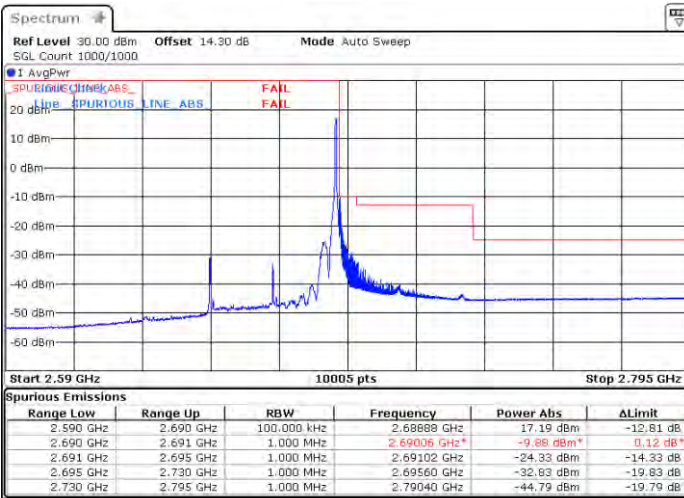




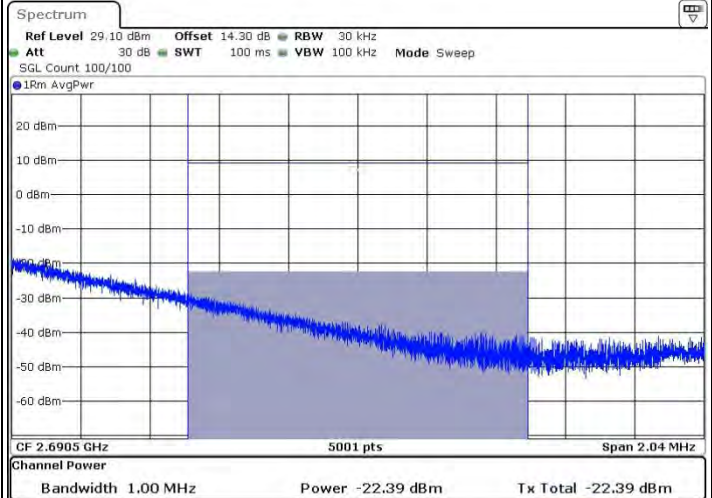
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB



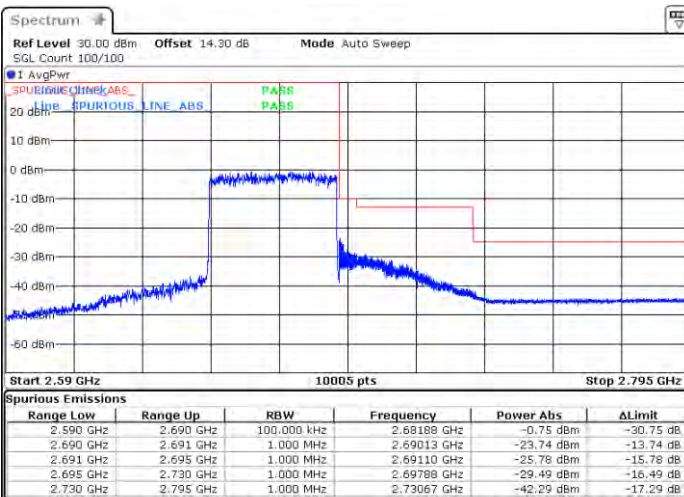
Date: 26.FEB.2021 14:04:31

Channel Power < -10dBm Pass



Date: 26.FEB.2021 14:03:38

Highest Band Edge / Full RB



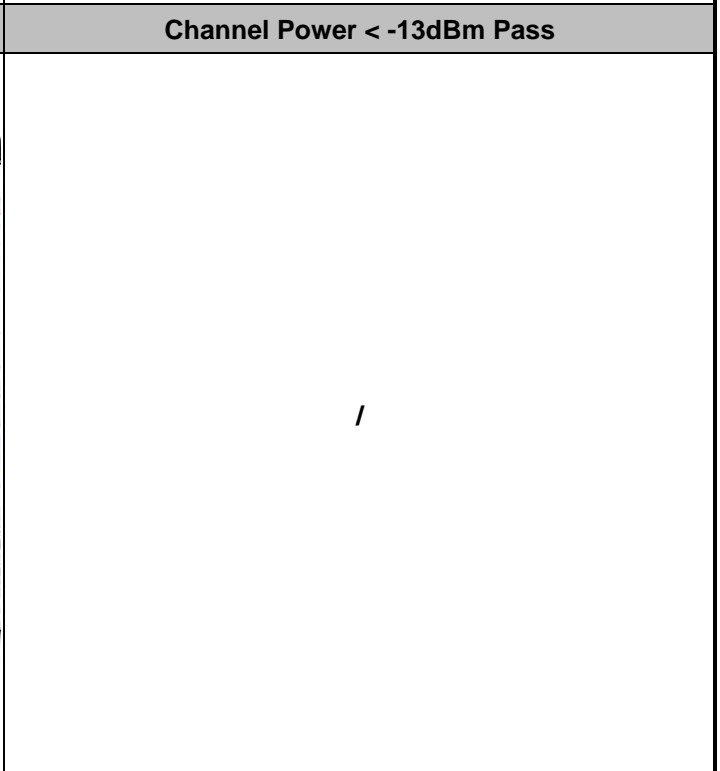
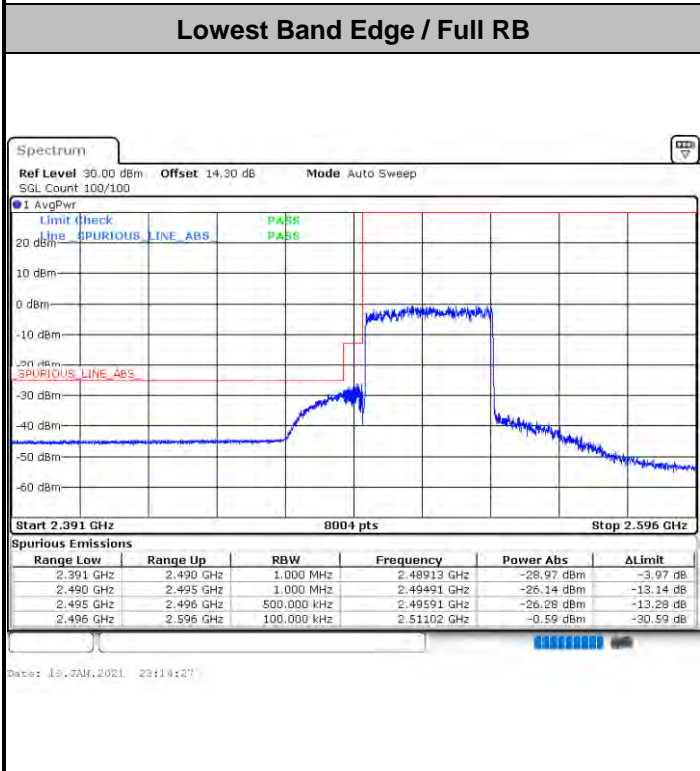
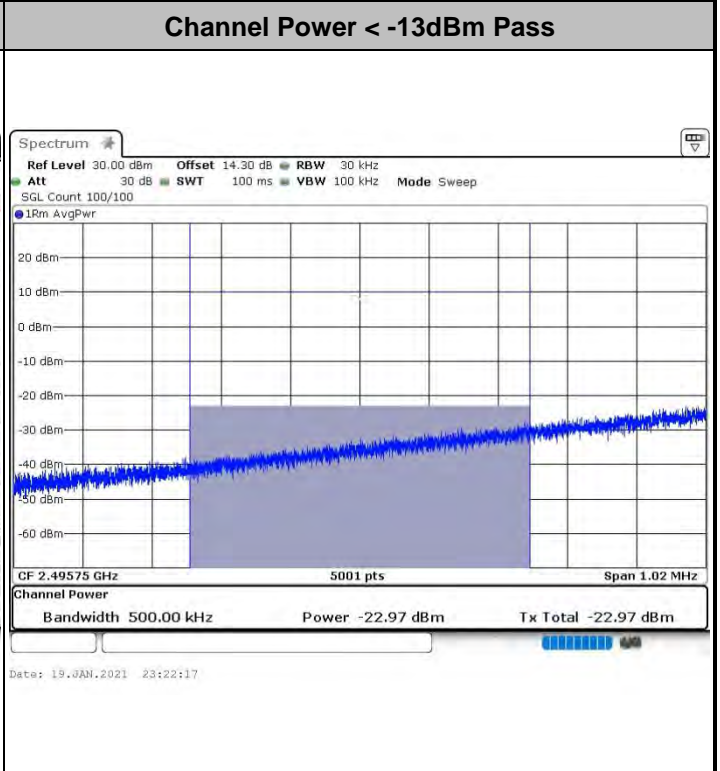
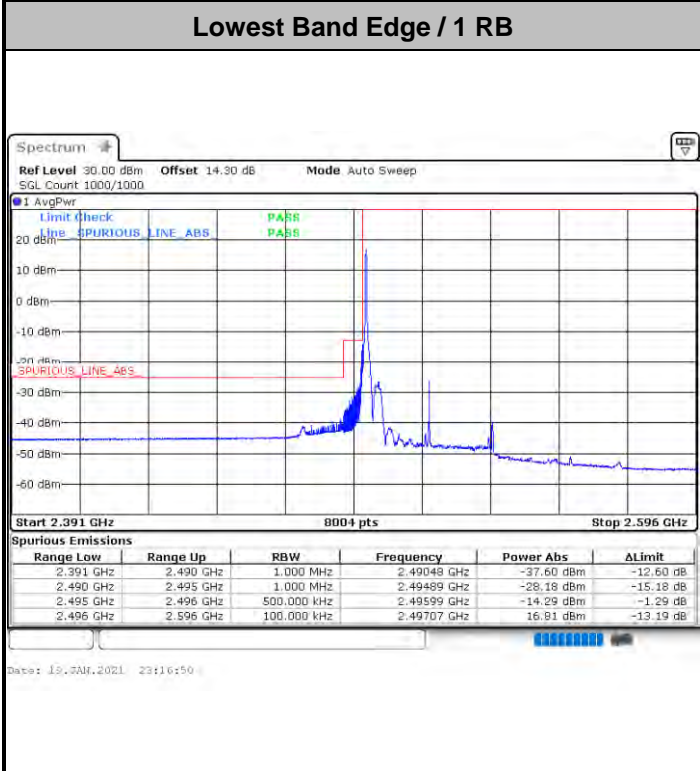
Date: 26.FEB.2021 14:00:16

Channel Power < -10dBm Pass

/



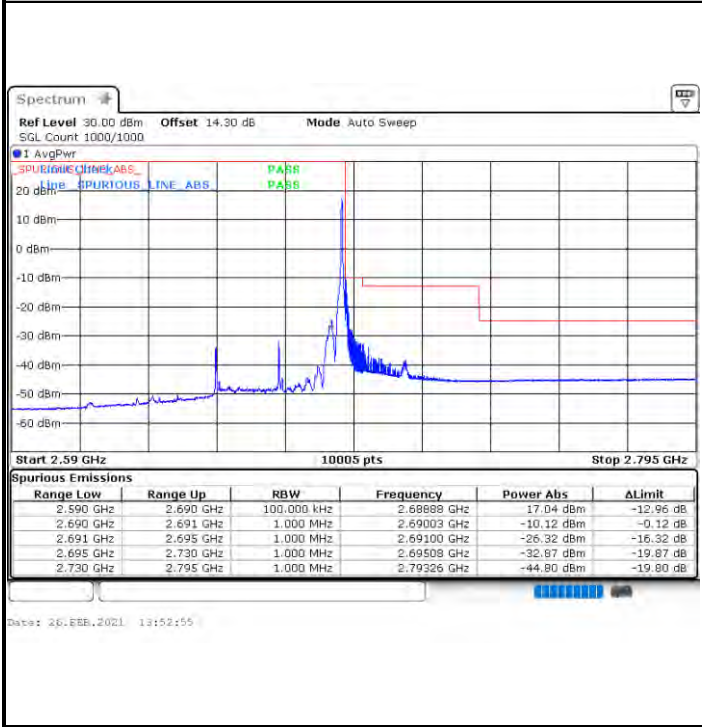
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)



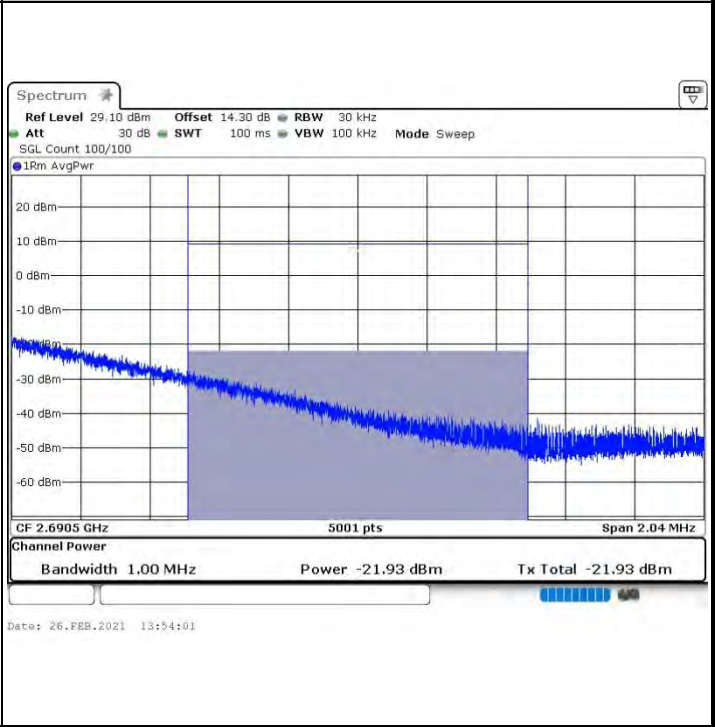


**FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)**

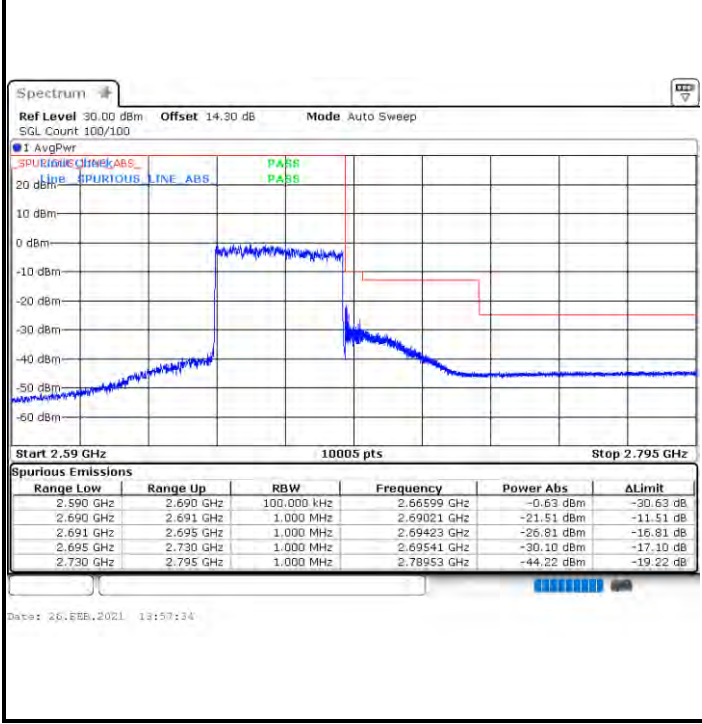
**Highest Band Edge / 1 RB**



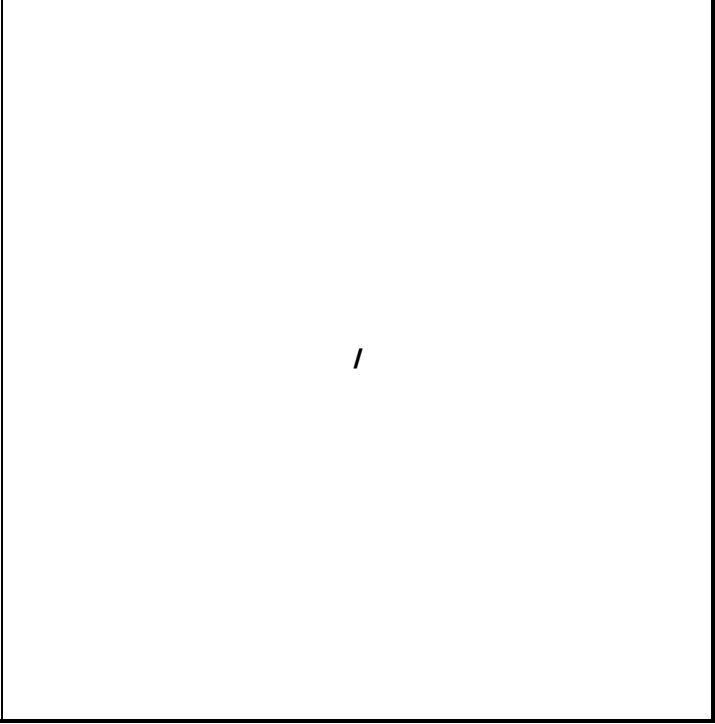
**Channel Power < -10dBm Pass**



**Highest Band Edge / Full RB**



**Channel Power < -10dBm Pass**

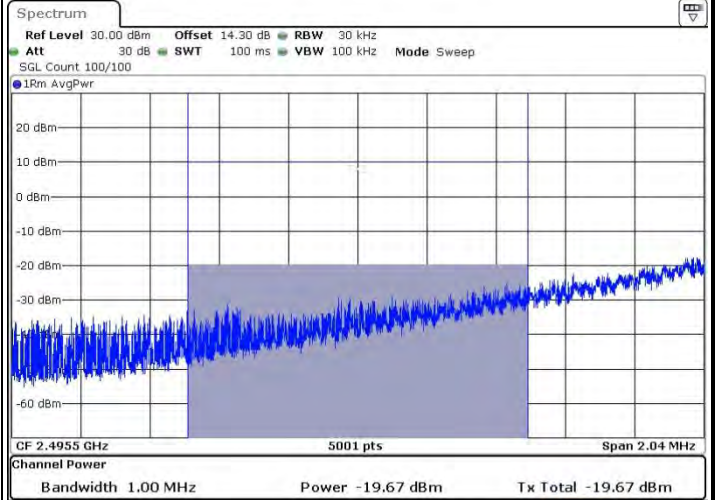
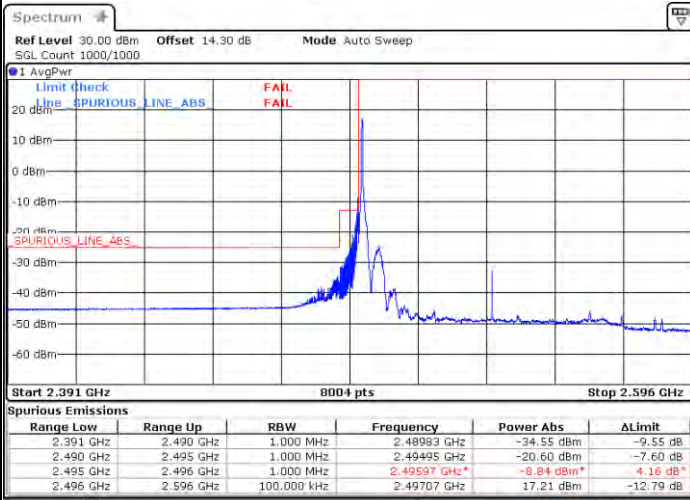




FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

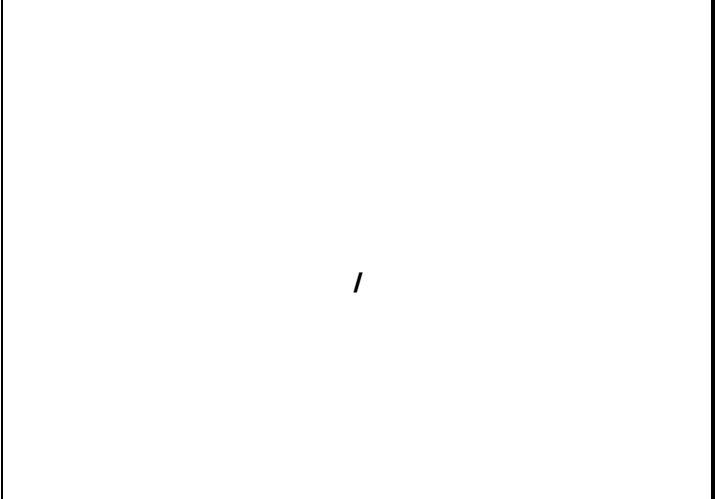
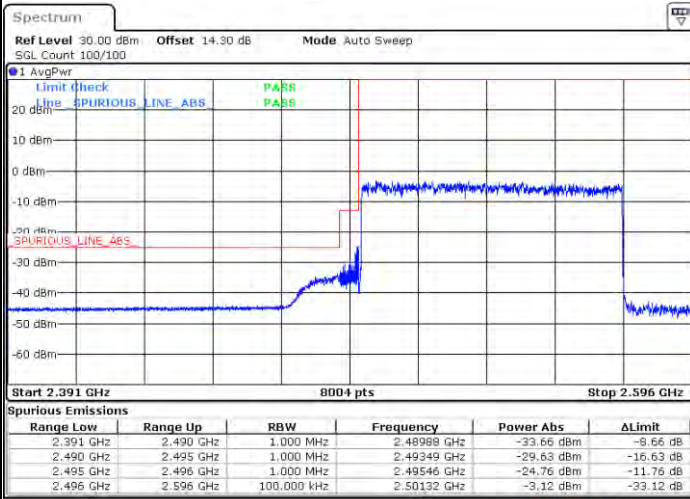
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

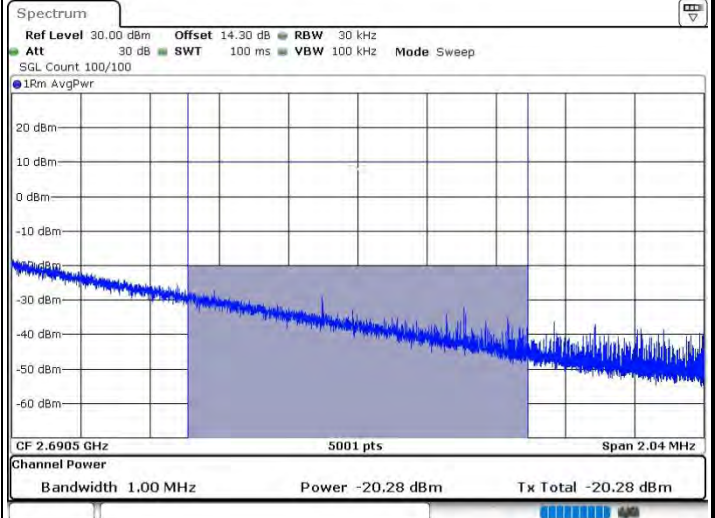
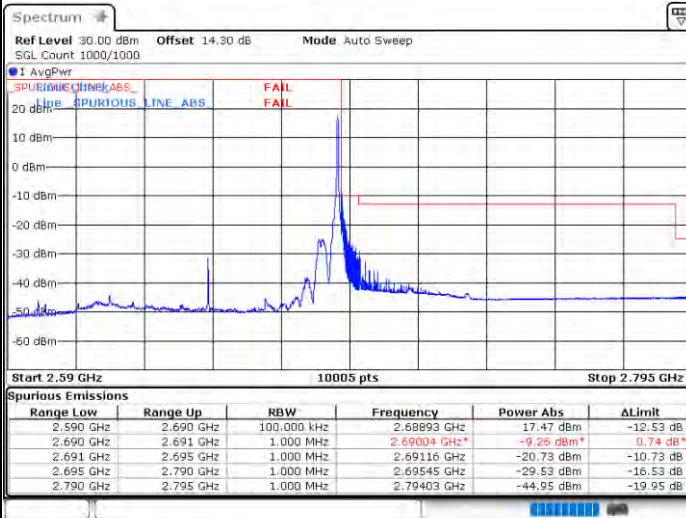




FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass

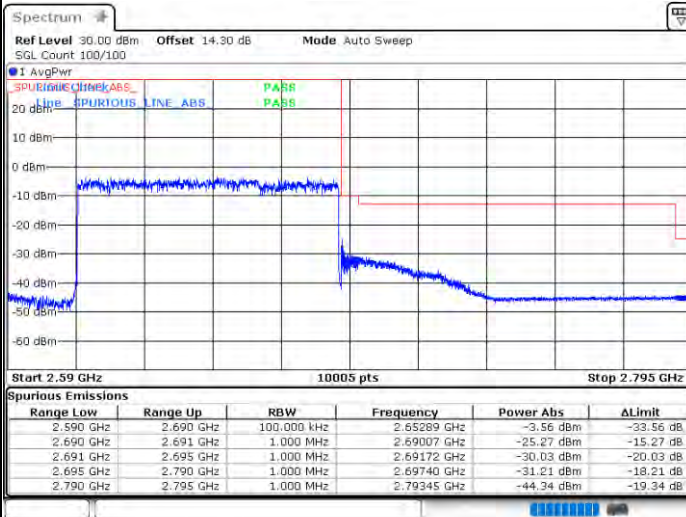


Date: 19.JAN.2021 19:16:50

Date: 19.JAN.2021 19:12:36

Highest Band Edge / Full RB

Channel Power < -10dBm Pass

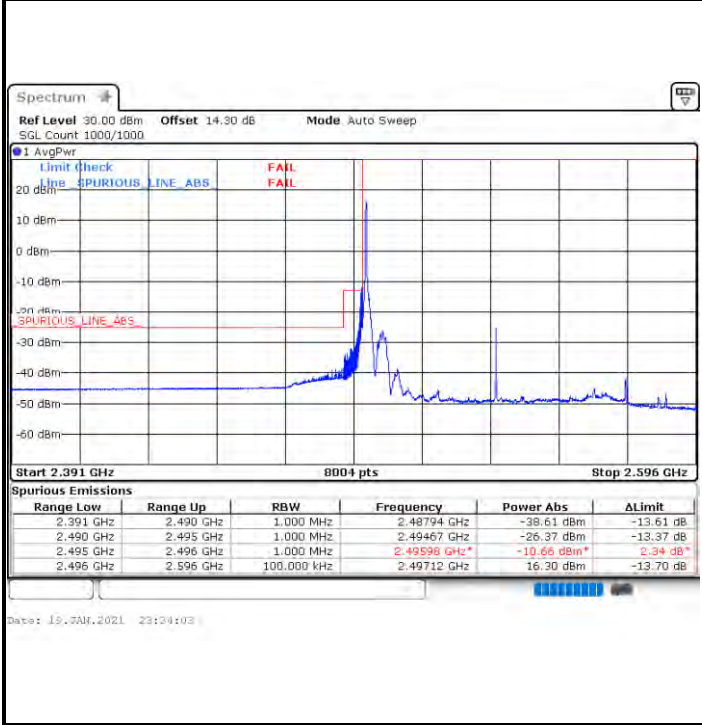


Date: 19.JAN.2021 19:19:03

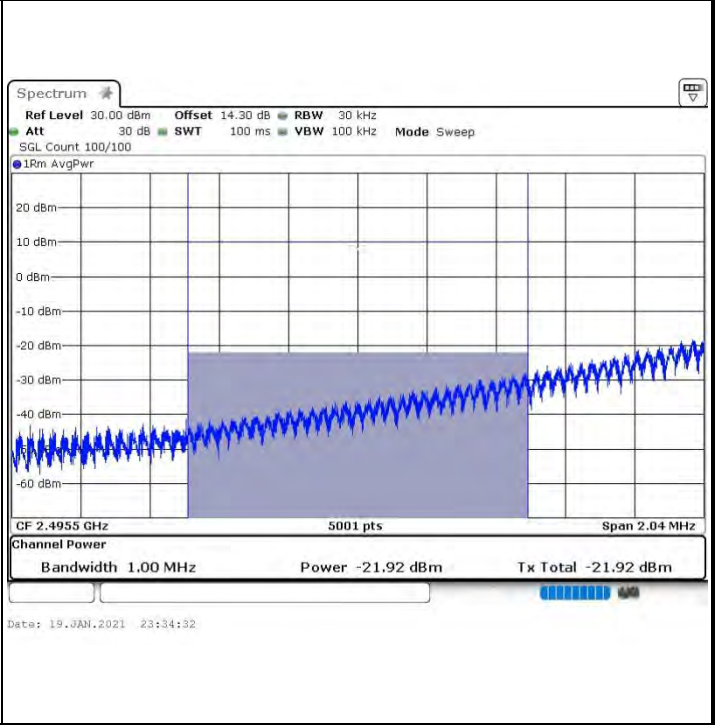


FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

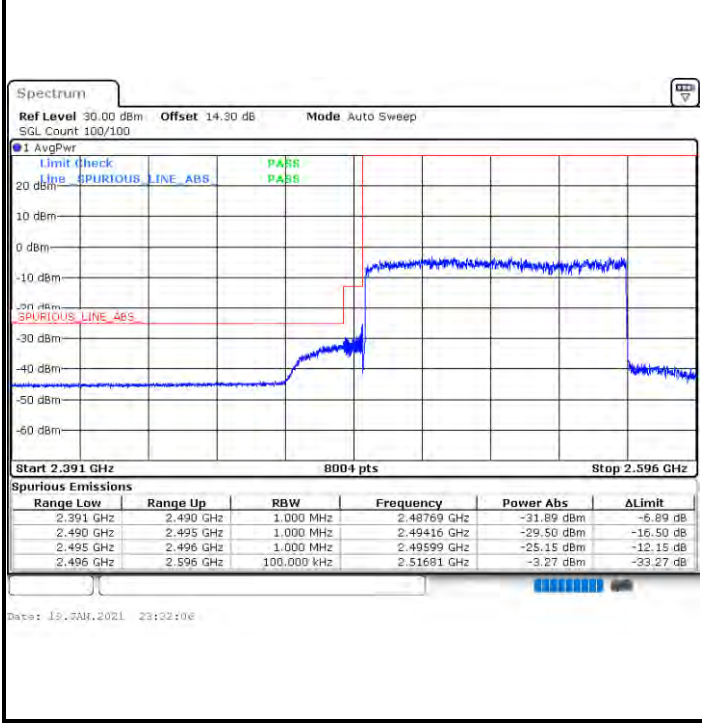
Lowest Band Edge / 1 RB



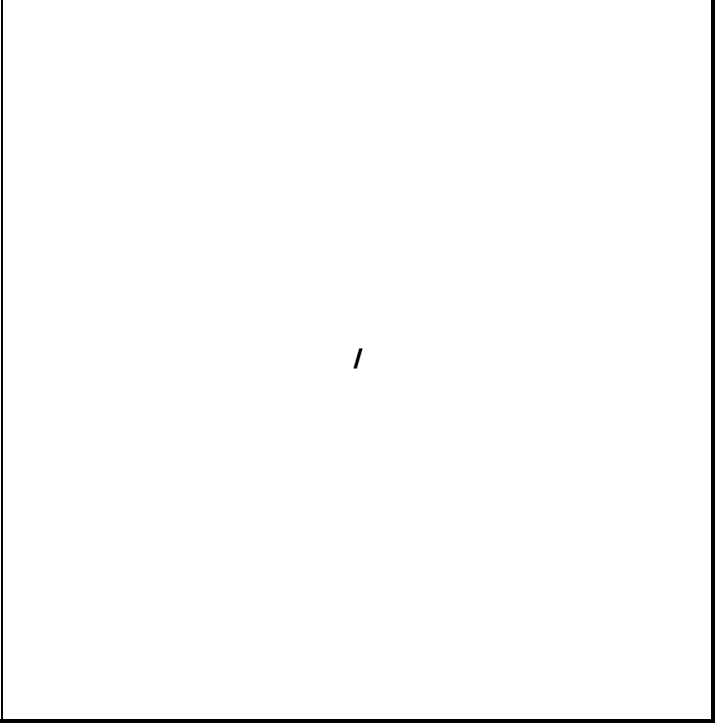
Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

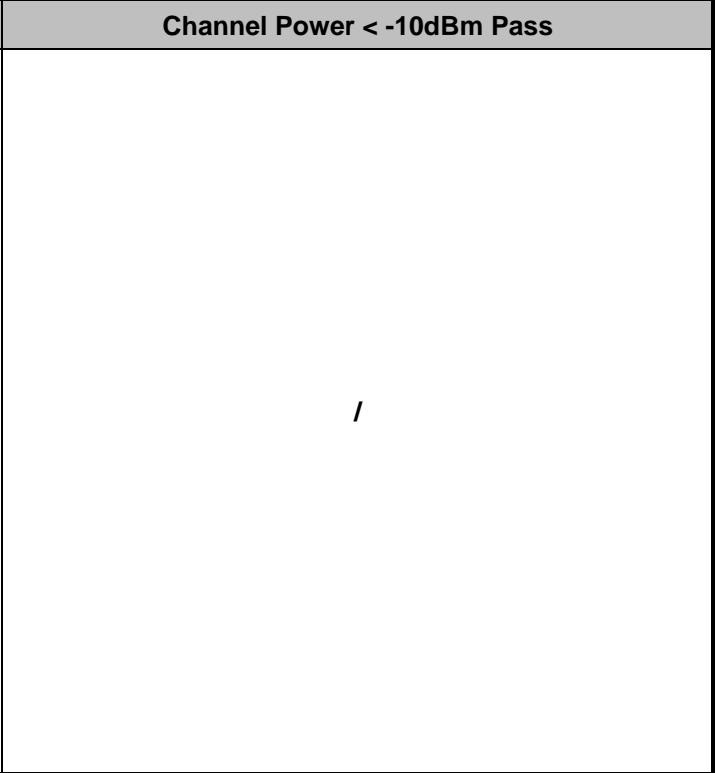
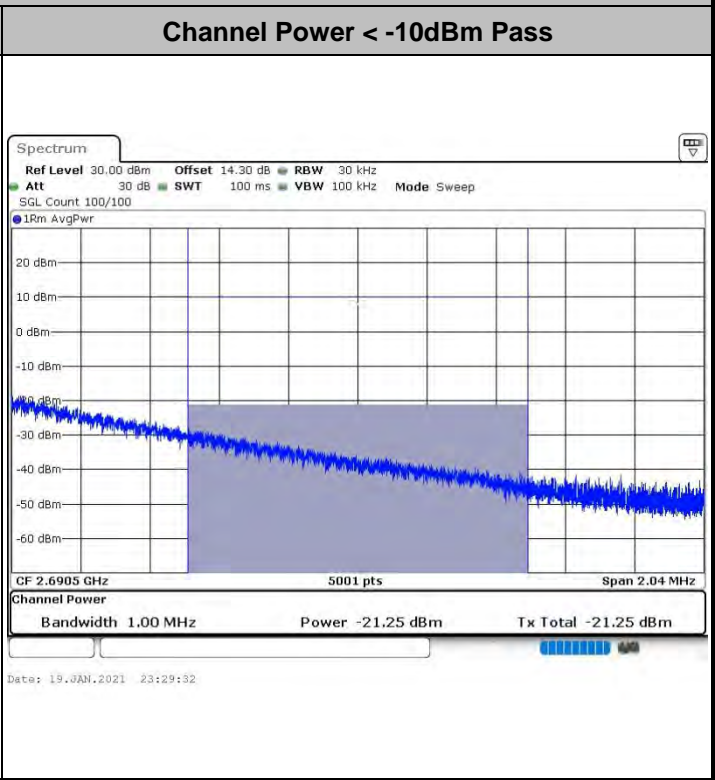
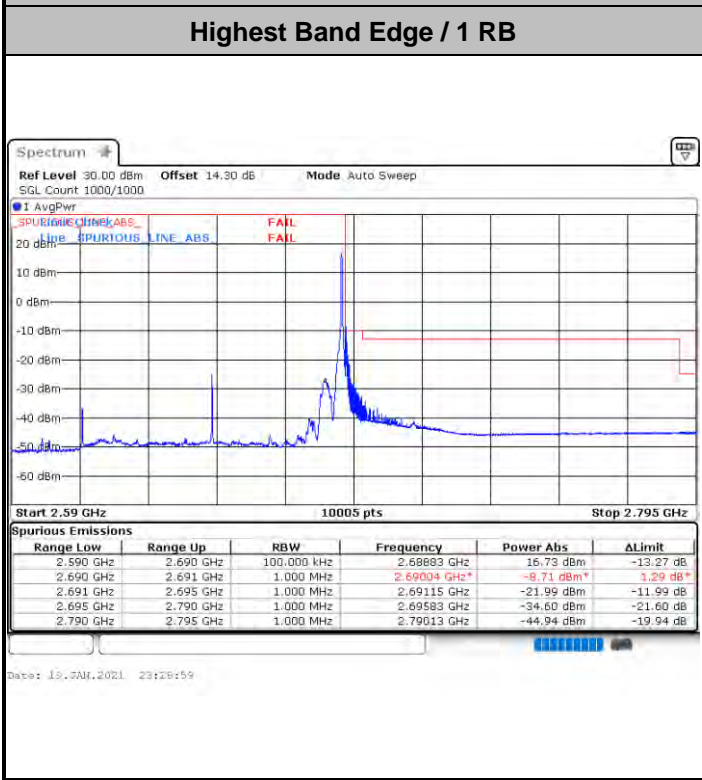


Channel Power < -13dBm Pass



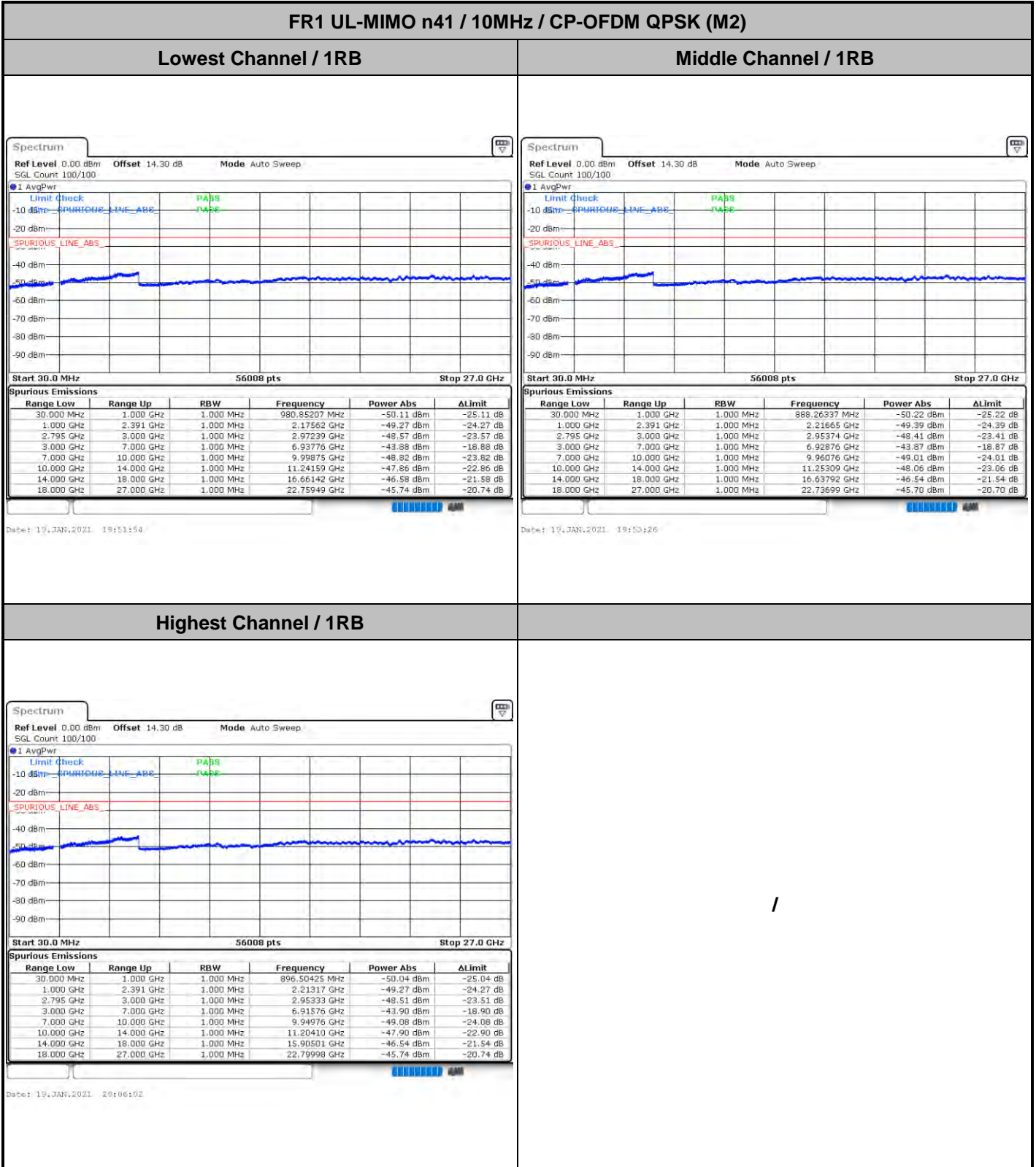


**FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)**





# Conducted Spurious Emission

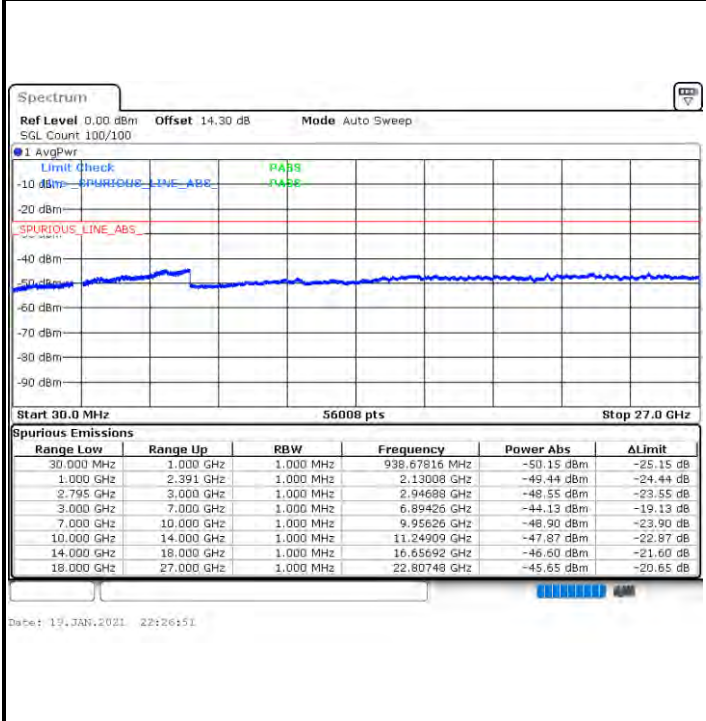




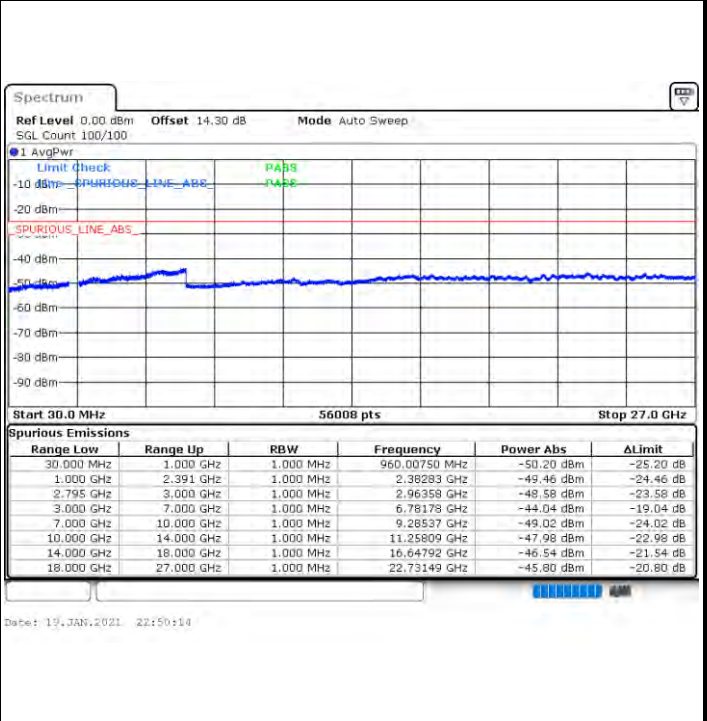


**FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)**

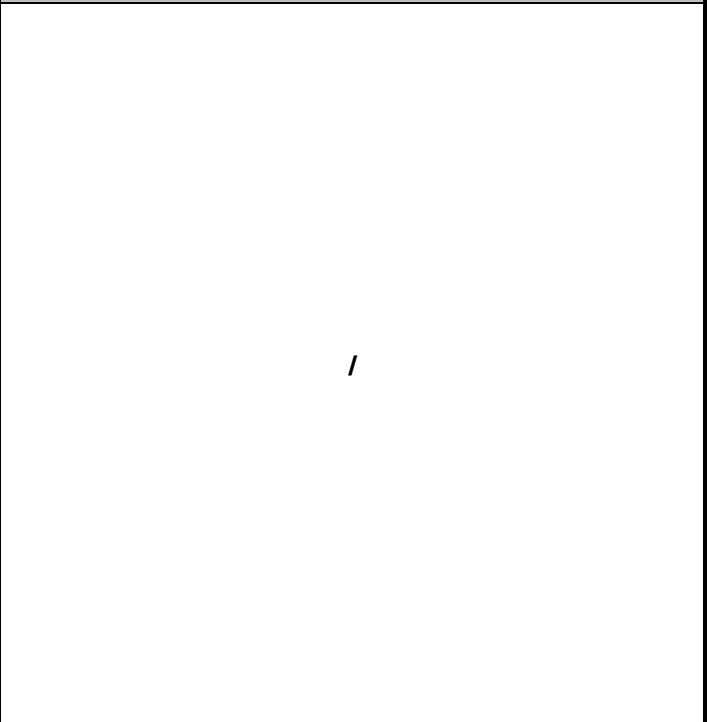
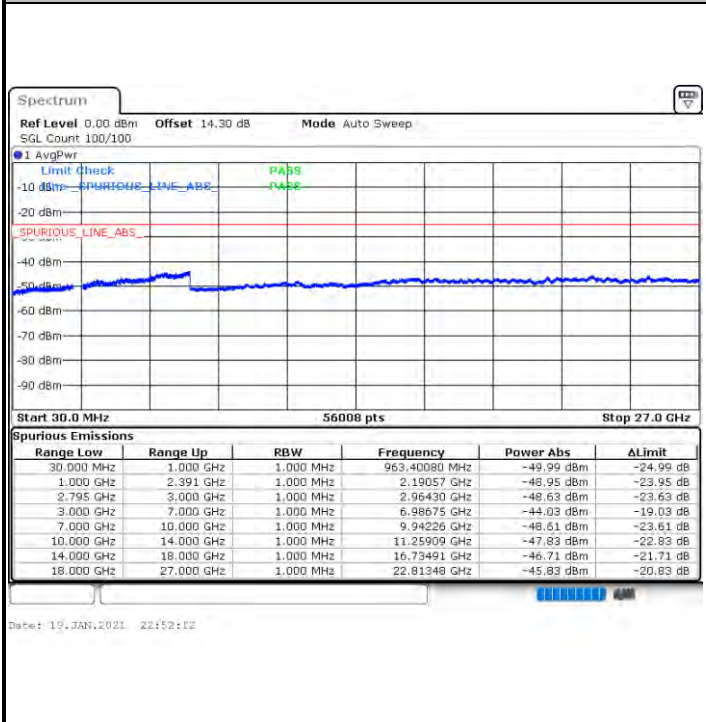
**Lowest Channel / 1RB**



**Middle Channel / 1RB**



**Highest Channel / 1RB**

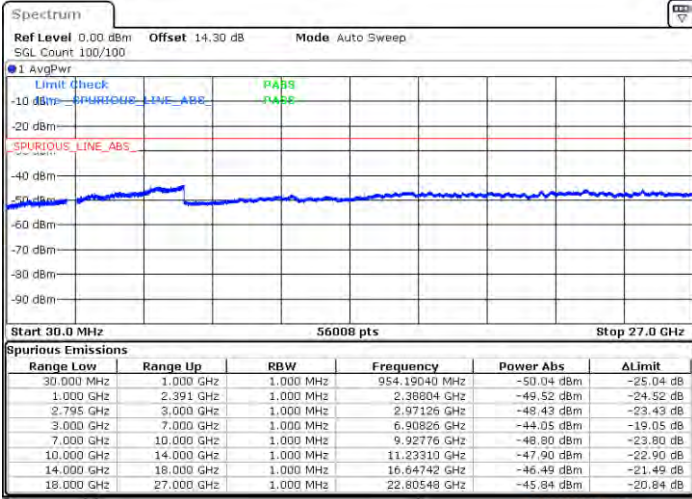




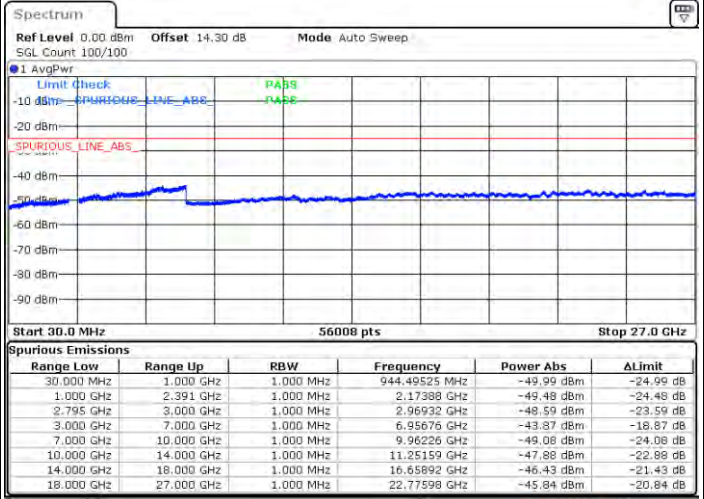
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

Middle Channel / 1RB

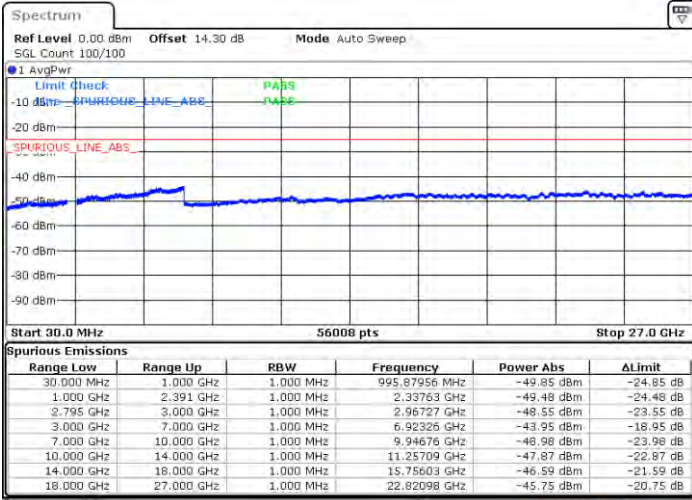


Date: 19, JAN, 2021 20:12:07



Date: 19, JAN, 2021 20:21:10

Highest Channel / 1RB

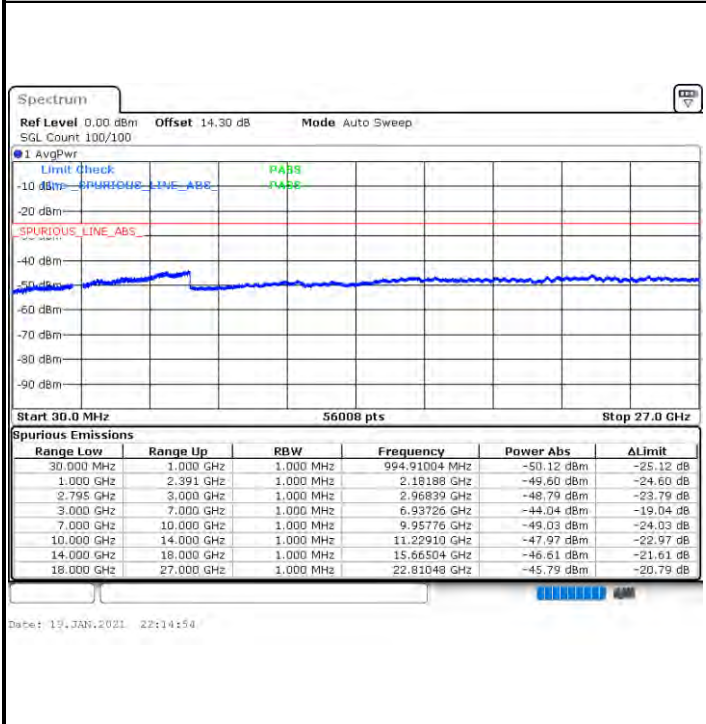


Date: 19, JAN, 2021 20:22:49

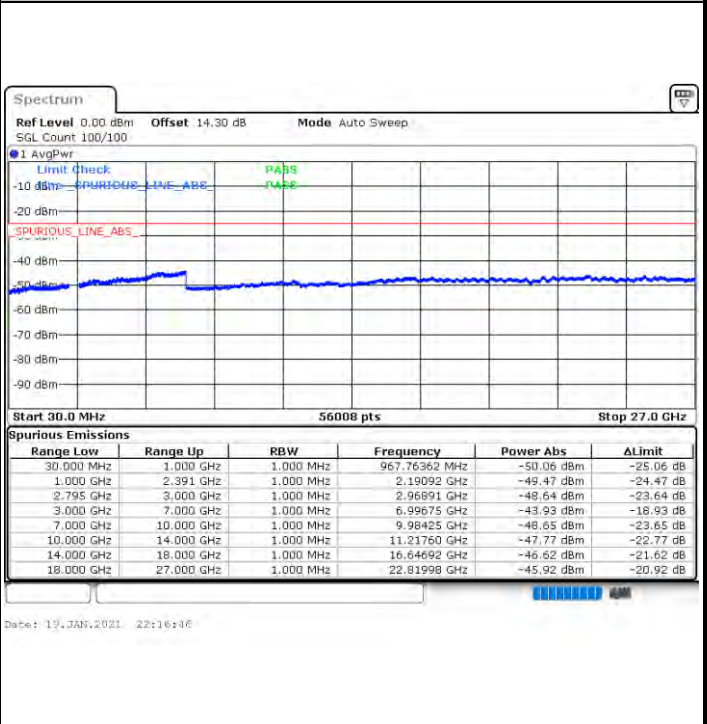


FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

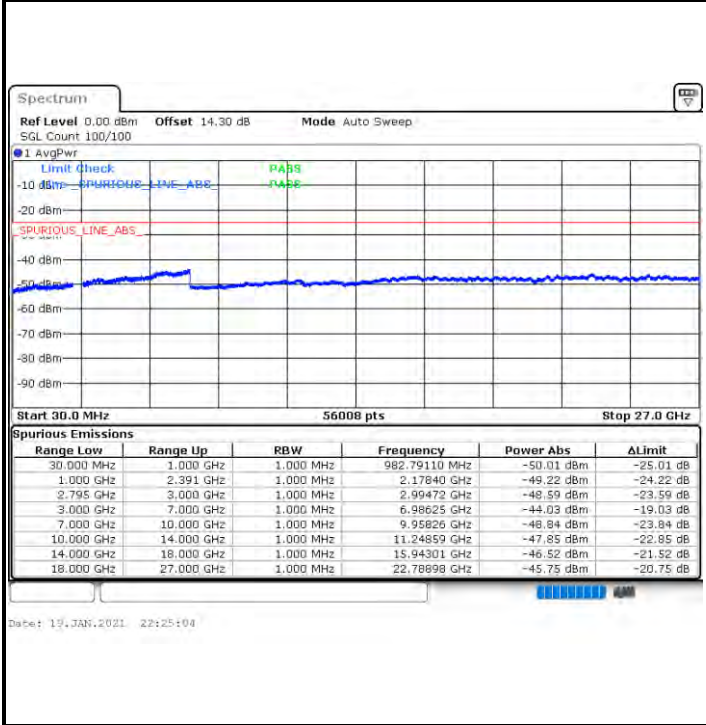
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB

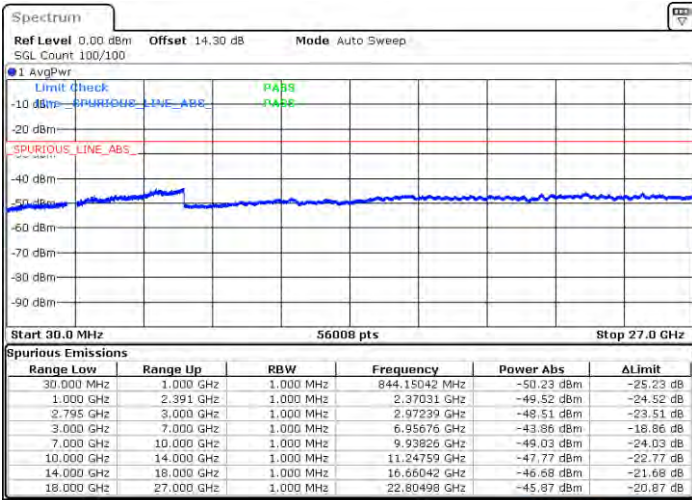




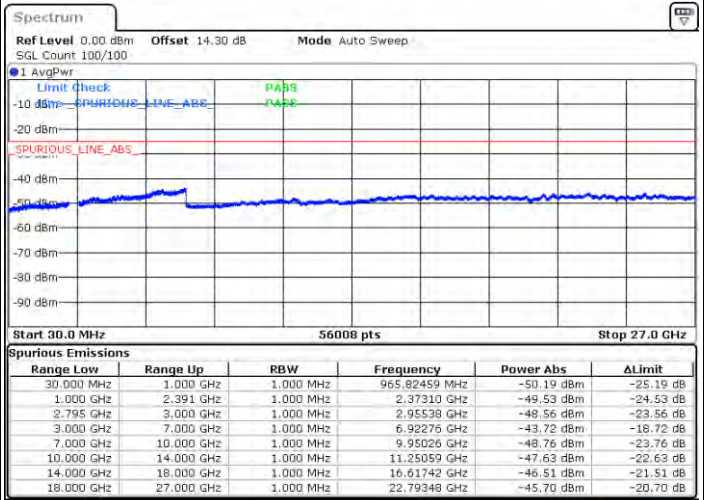
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

Middle Channel / 1RB

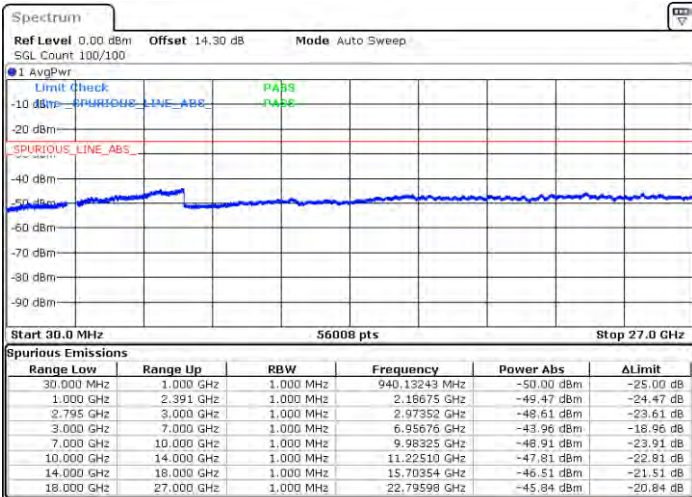


Date: 19, JAN, 2021 20:29:46



Date: 19, JAN, 2021 20:30:59

Highest Channel / 1RB



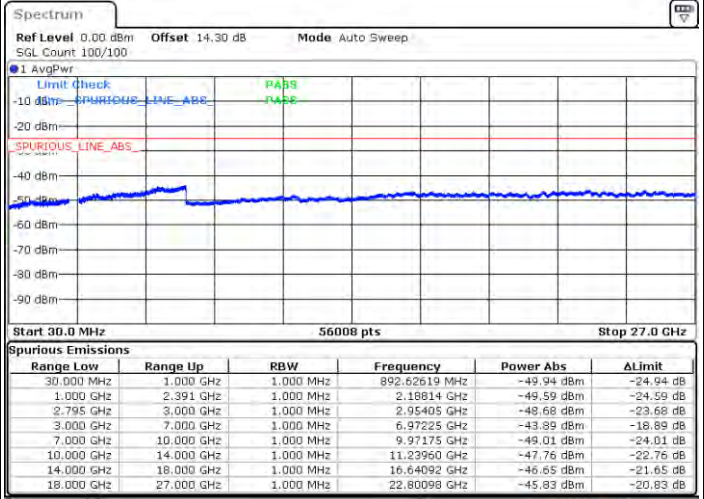
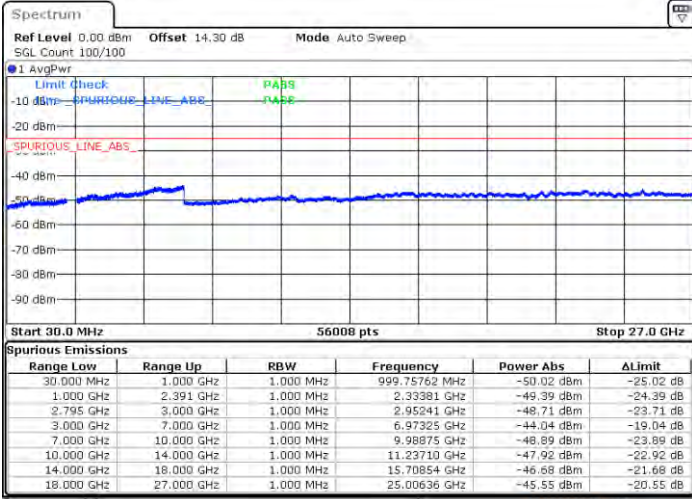
Date: 19, JAN, 2021 20:59:42



FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

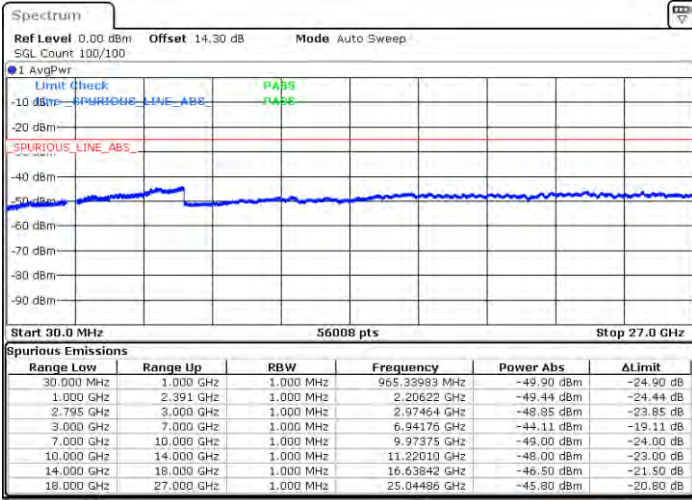
Middle Channel / 1RB



Date: 19, JAN, 2021 22:08:18

Date: 19, JAN, 2021 22:09:39

Highest Channel / 1RB



Date: 19, JAN, 2021 22:07:29



Frequency Stability

Test Conditions		NR UL-MIMO n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0025	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## 5G NR n41 NSA-SCS 15K

### Peak-to-Average Ratio

Mode	FR1 n41+41A / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.03	5.74	5.42	<b>PASS</b>
Middle CH	-	-	-	-	
Highest CH	3.57	4.06	5.74	5.33	



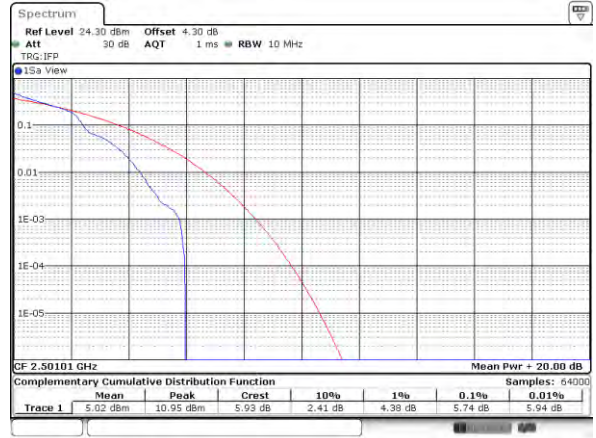
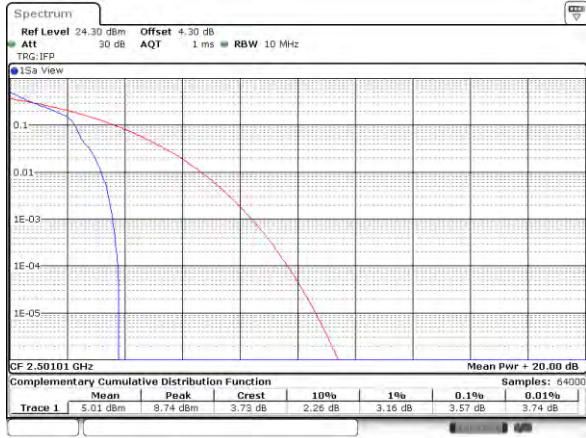
FR1 n41+41A / 10MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB

Lowest Channel / 1RB

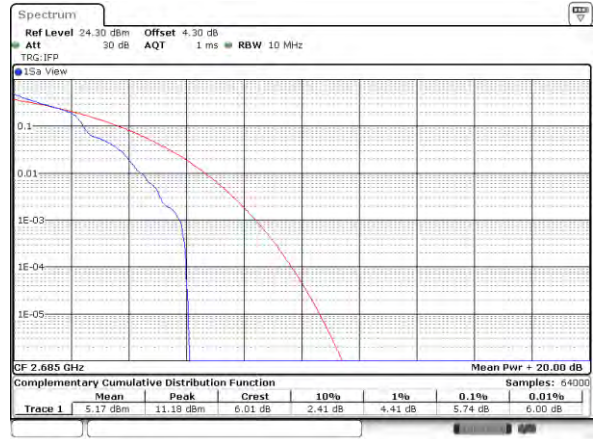
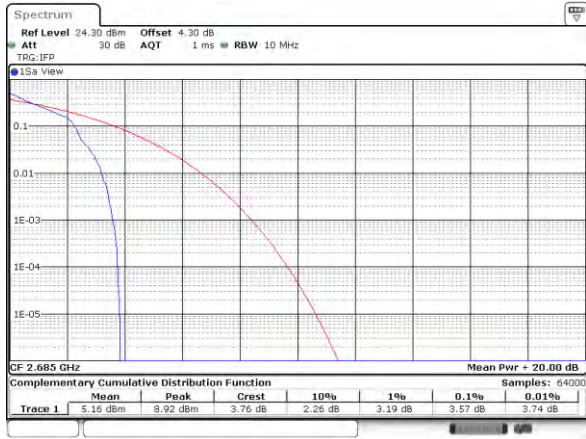


Date: 27.MAR.2021 00:15:07

Date: 27.MAR.2021 00:15:38

Highest Channel / 1 RB

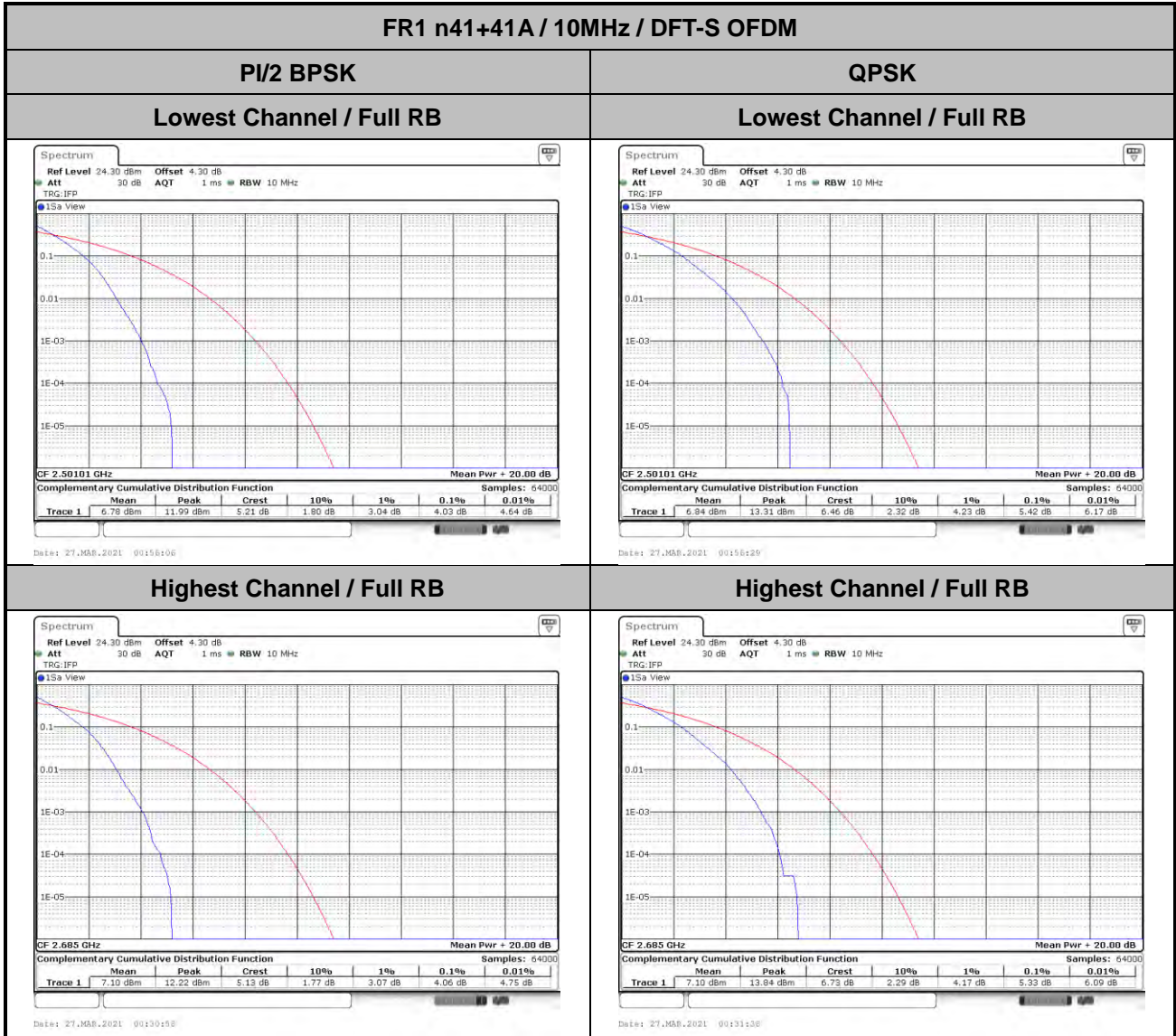
Highest Channel / 1 RB



Date: 27.MAR.2021 00:32:50

Date: 27.MAR.2021 00:32:06







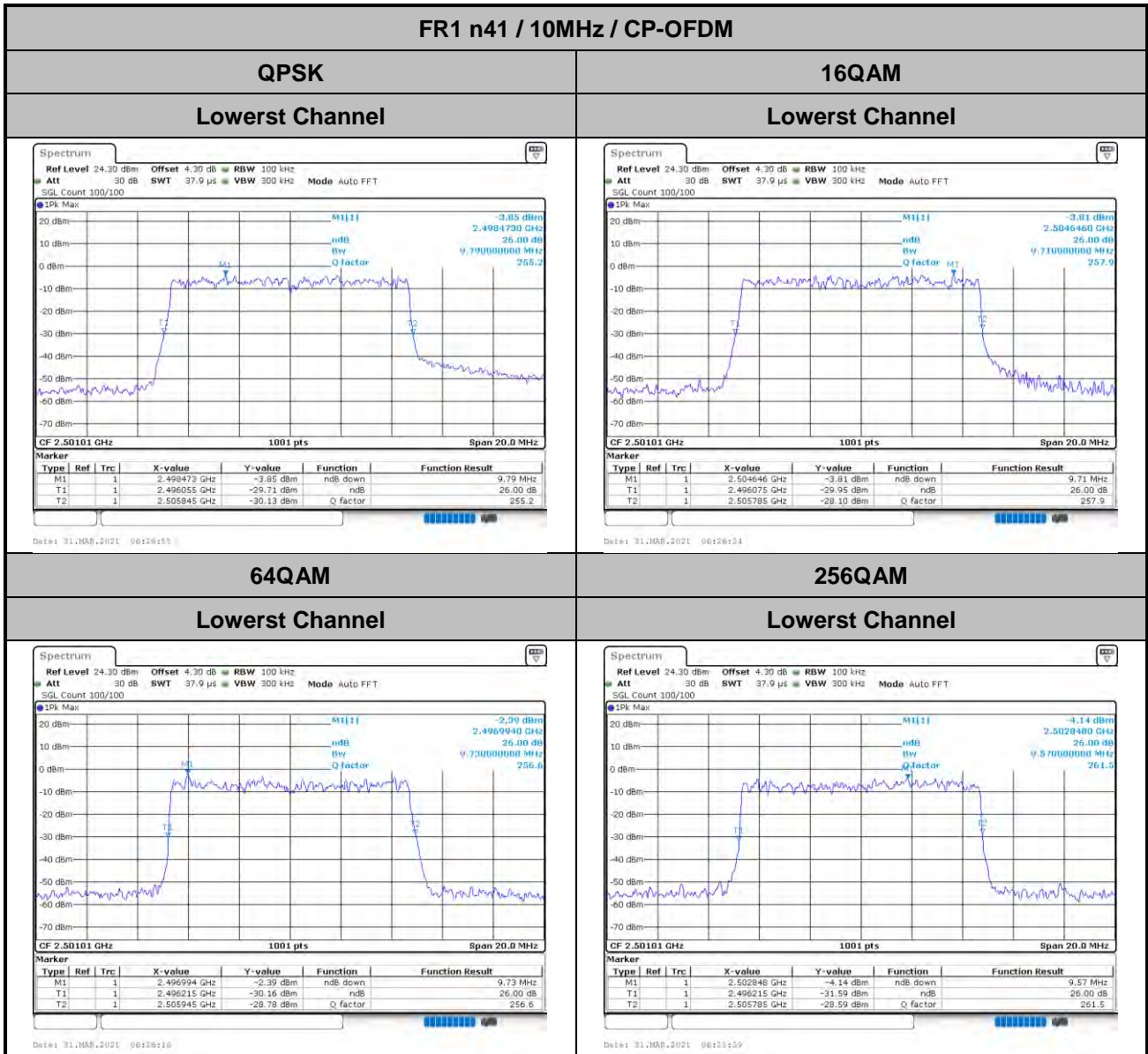
**26dB Bandwidth**

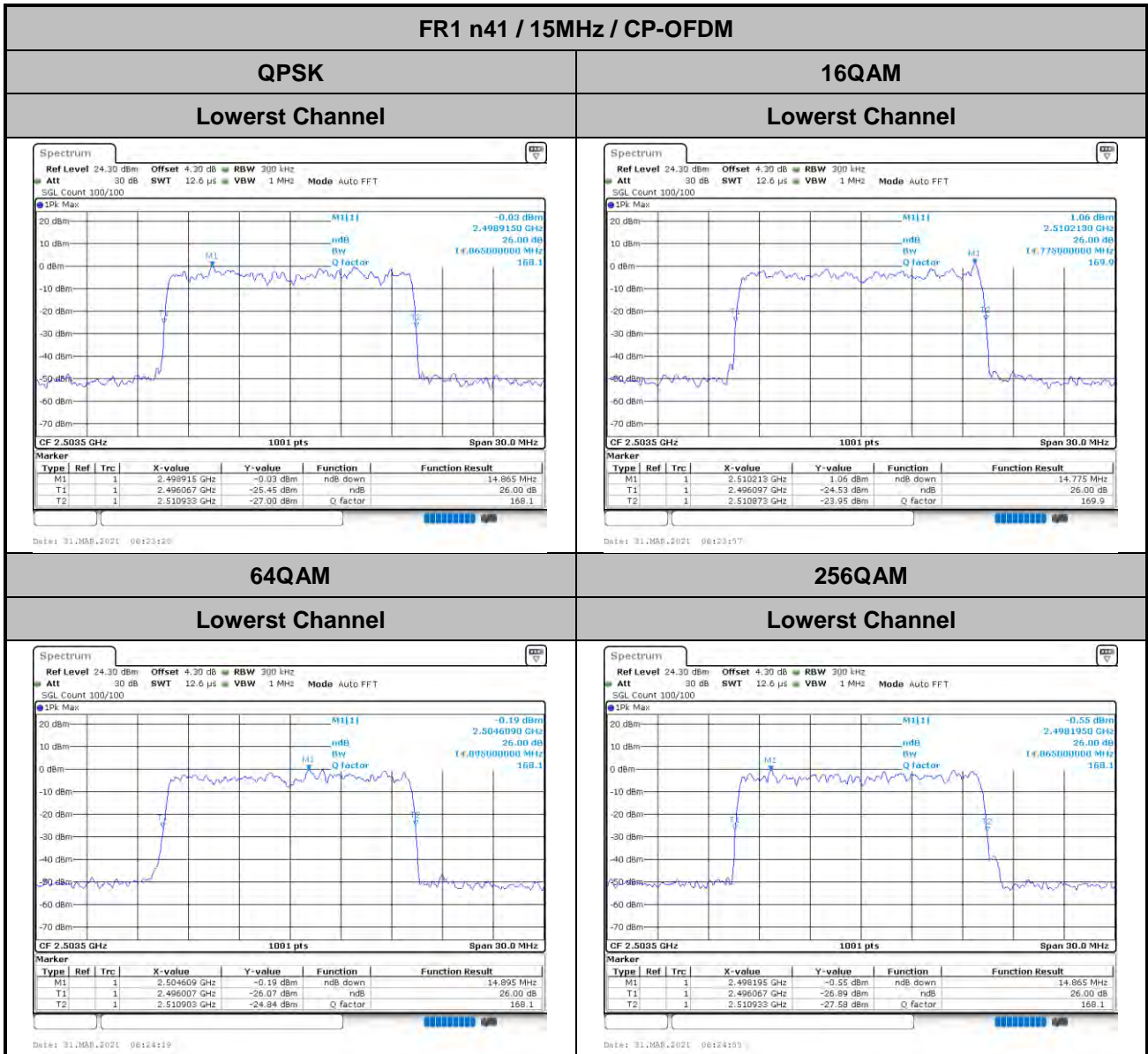
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.79	9.71	9.73	9.57				

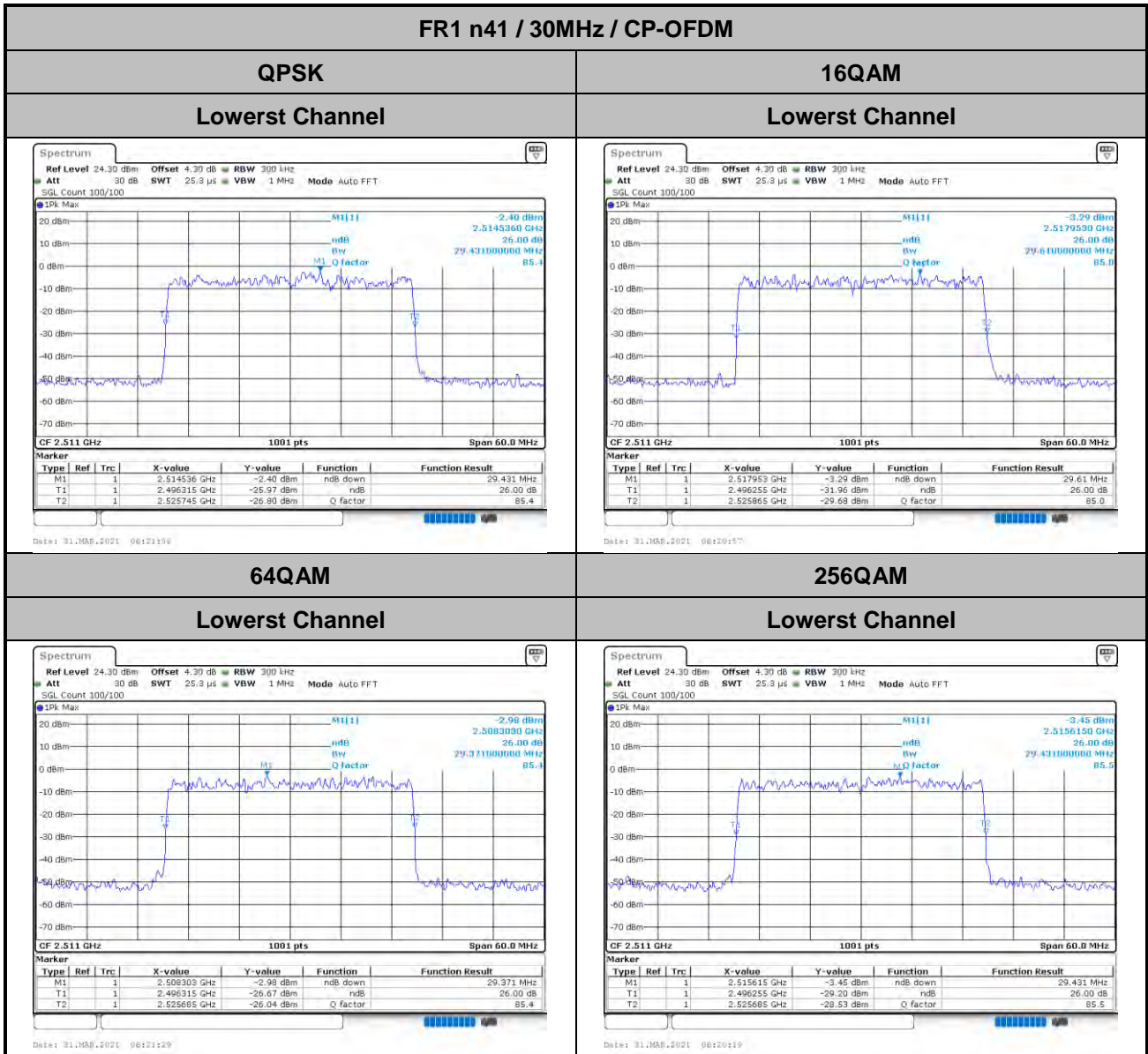
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.87	14.78	14.90	14.87				

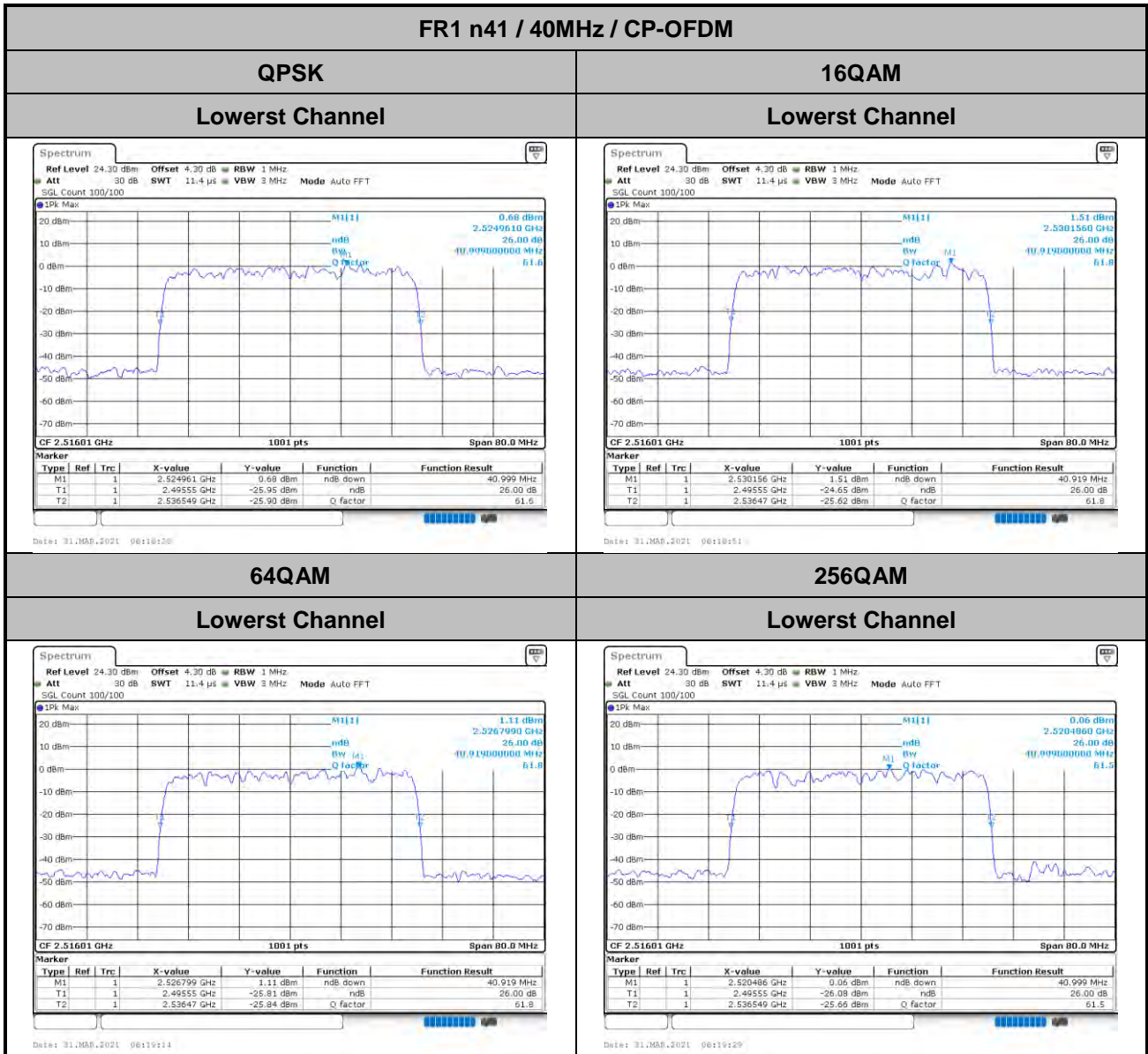
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	29.43	29.61	29.37	29.43				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	41.00	40.92	40.92	41.00				











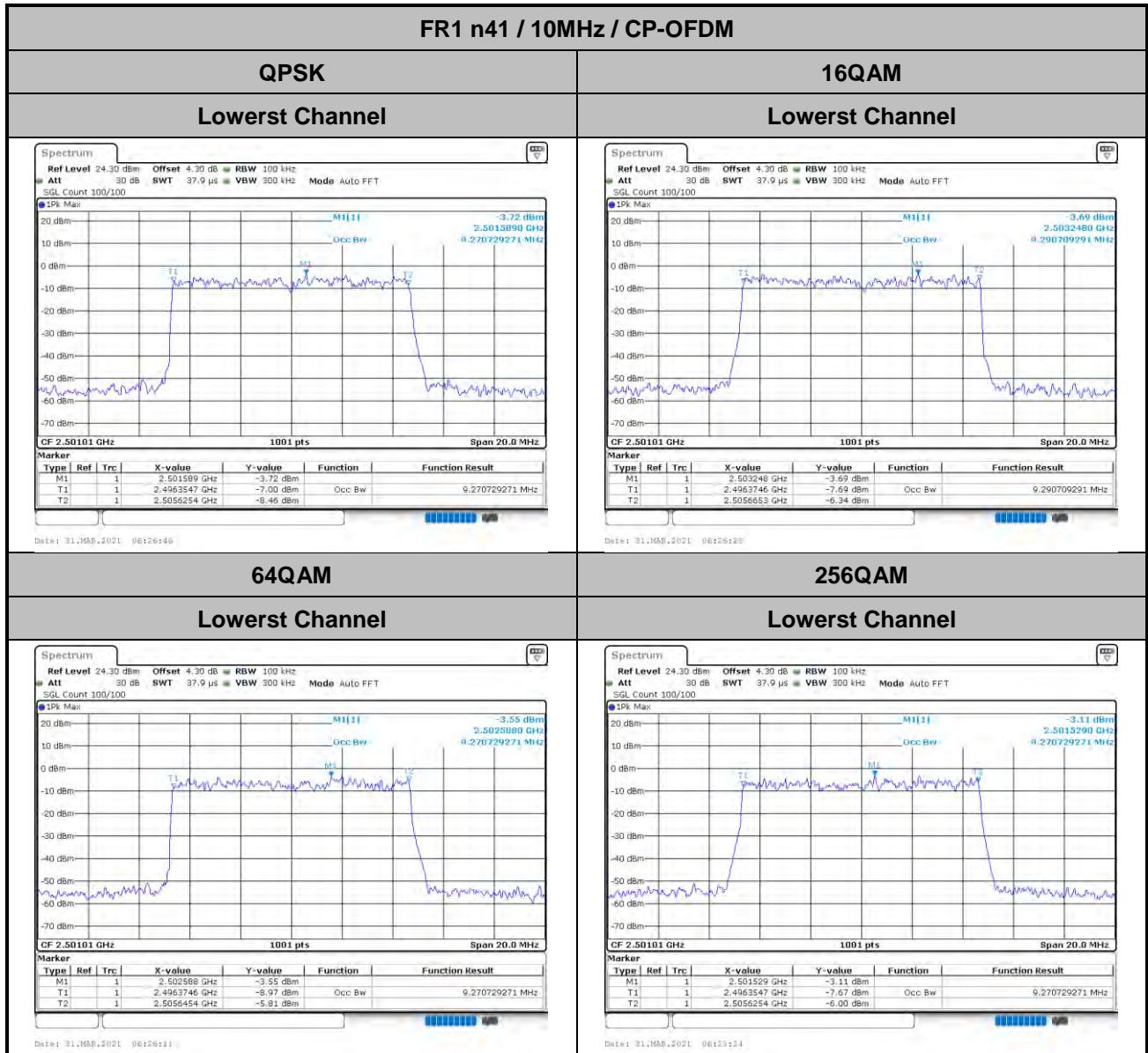
### Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.27	9.27				

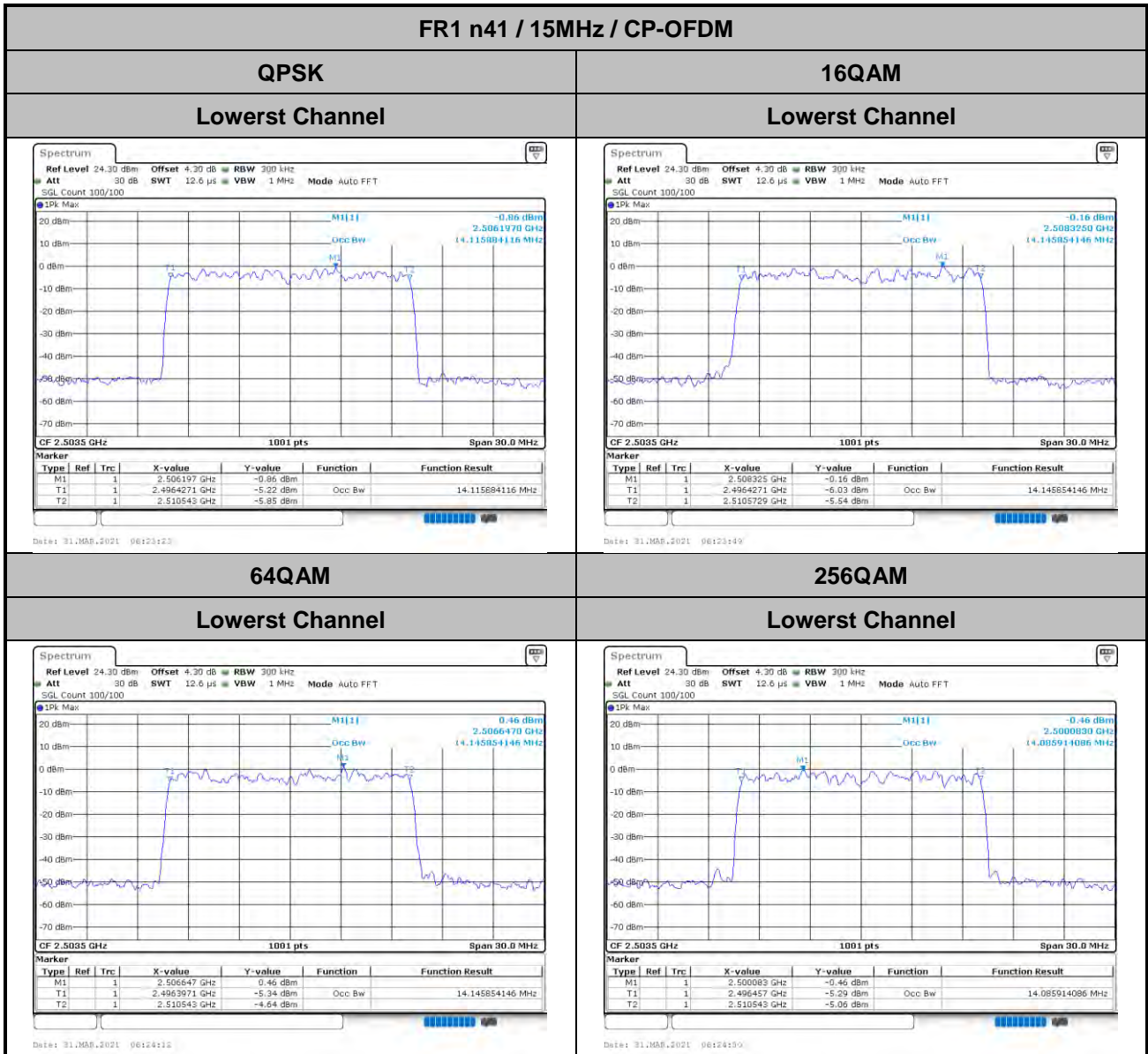
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.12	14.15	14.15	14.09				

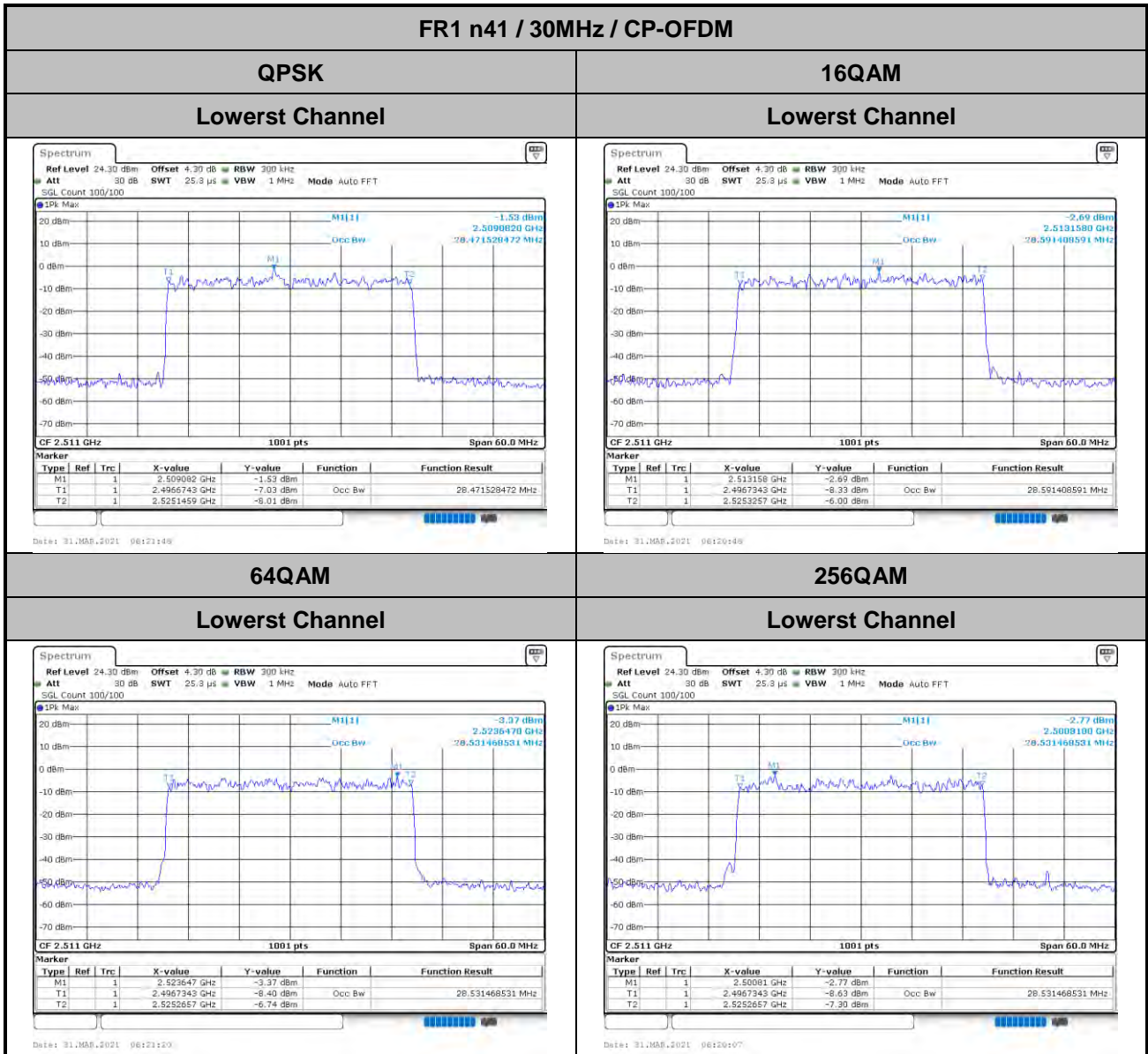
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.47	28.59	28.53	28.53				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.84	38.84	38.76	38.52				











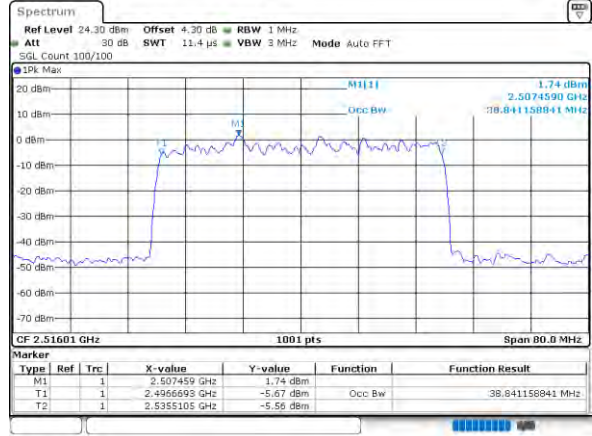
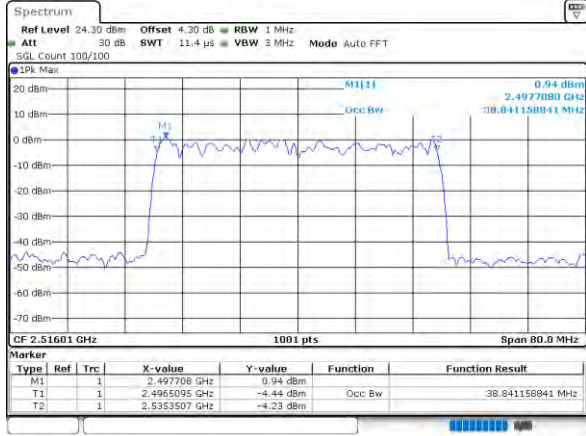
FR1 n41 / 40MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 31.MAR.2021 06:18:23

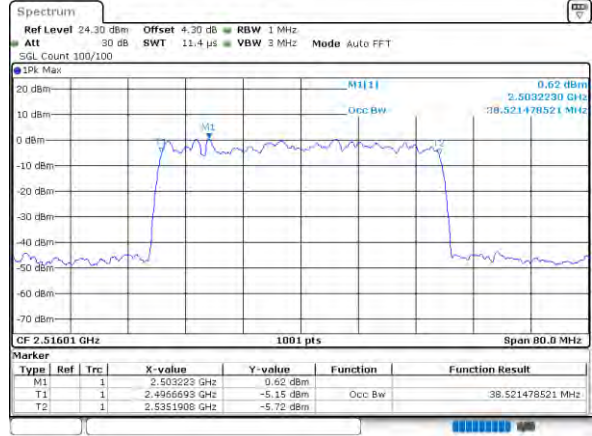
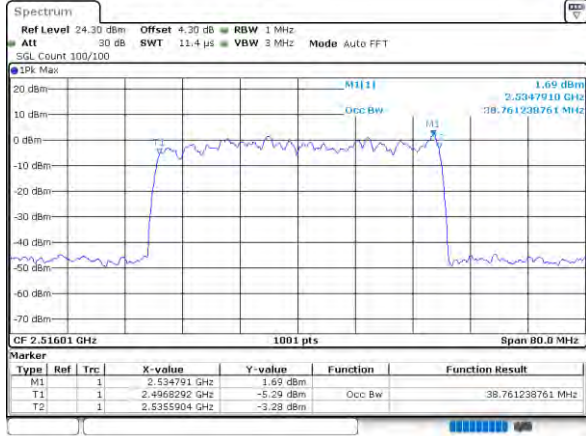
Date: 31.MAR.2021 06:18:46

64QAM

256QAM

Lowerst Channel

Lowerst Channel

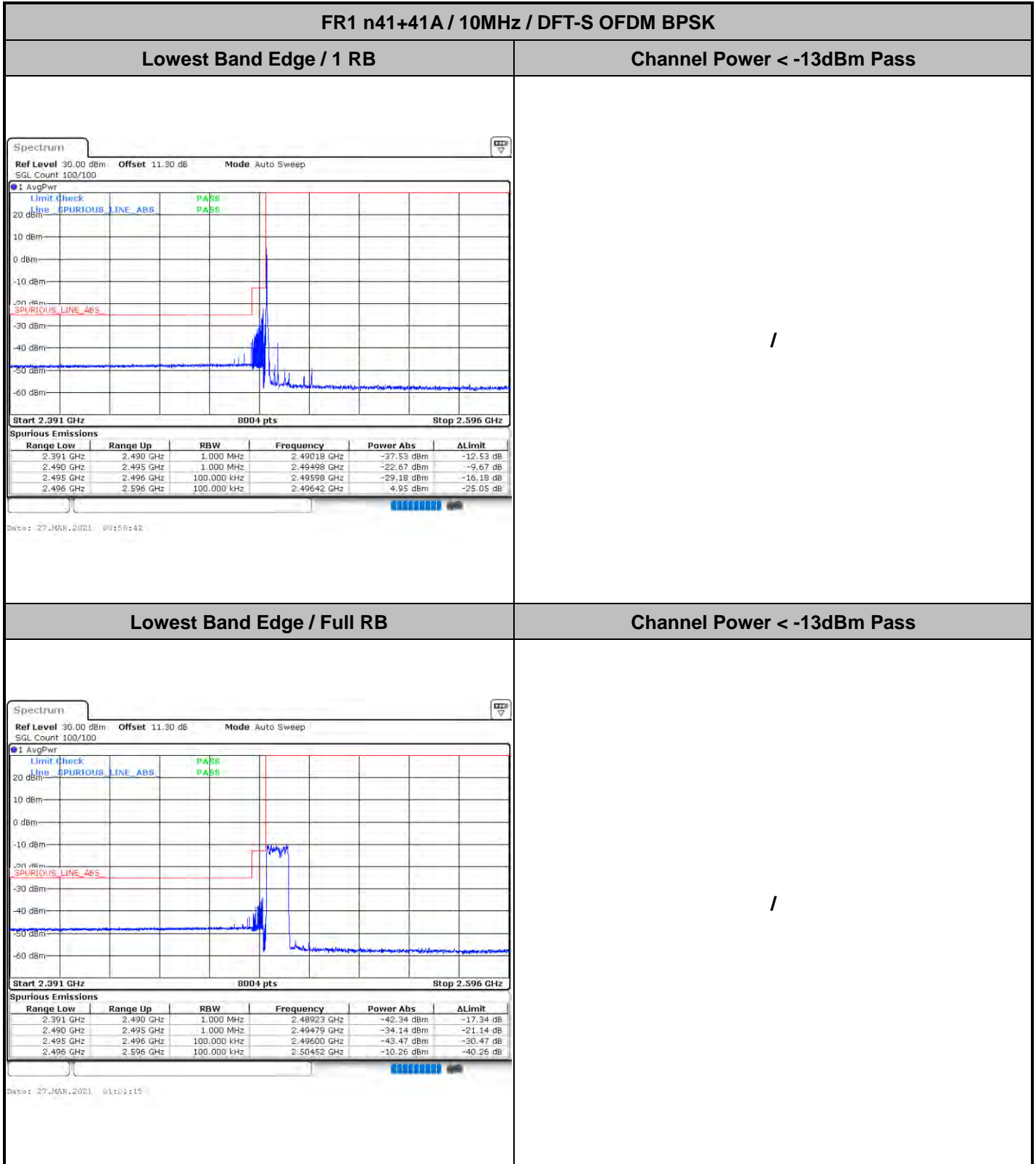


Date: 31.MAR.2021 06:19:09

Date: 31.MAR.2021 06:19:23

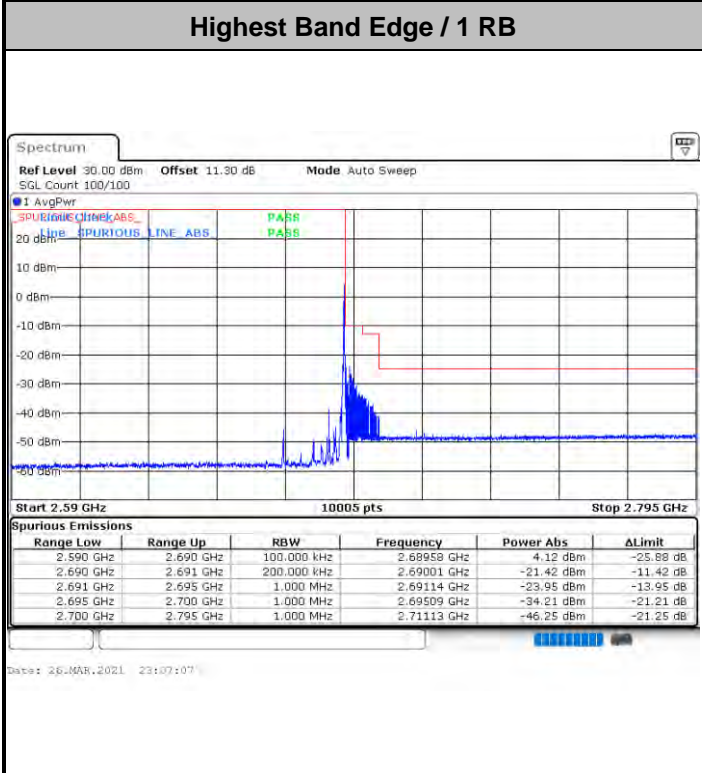


# Conducted Band Edge





FR1 n41+41A / 10MHz / DFT-S OFDM BPSK



**Channel Power < -13dBm Pass**

/



**Channel Power < -13dBm Pass**

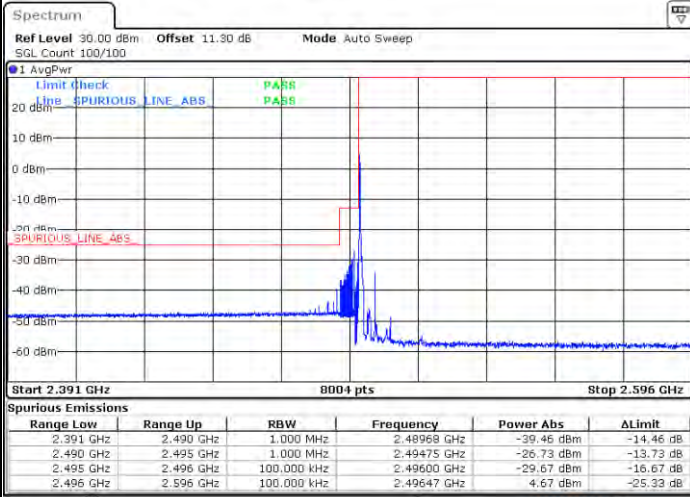
/



FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

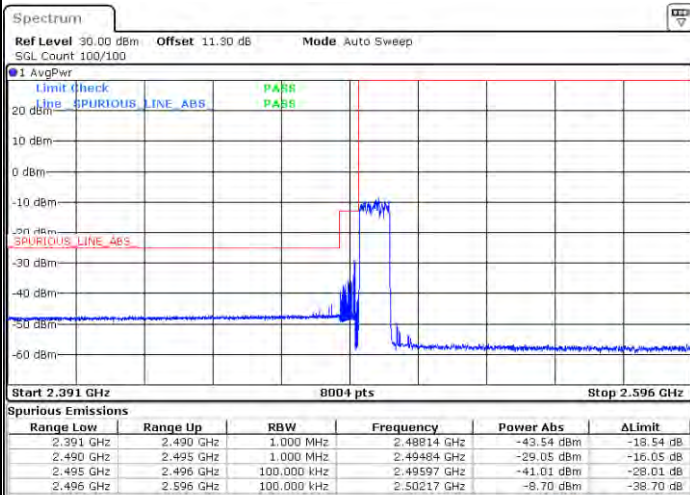
Channel Power < -13dBm Pass



Date: 27.MAR.2021 01:00:21

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



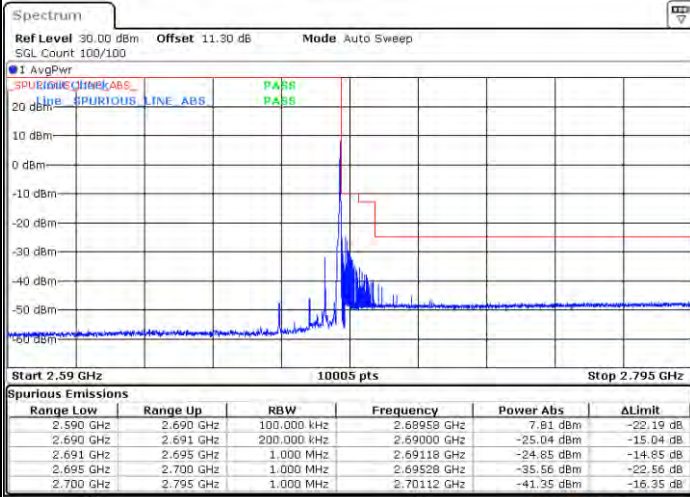
Date: 27.MAR.2021 01:00:56



FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass

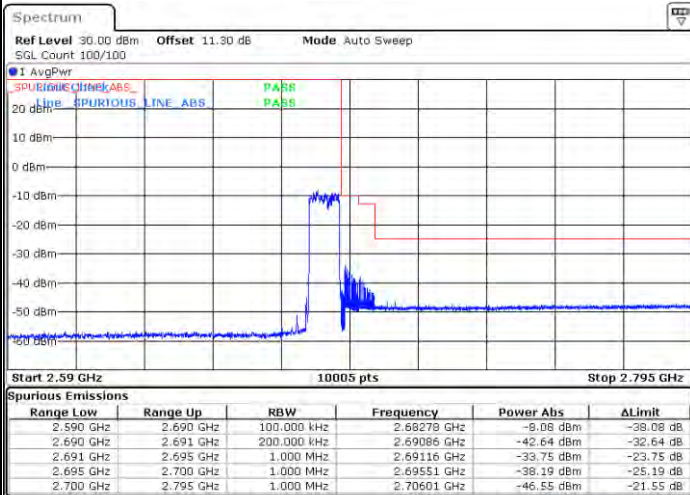


/

Date: 26-MAR-2021 23:06:53

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



/

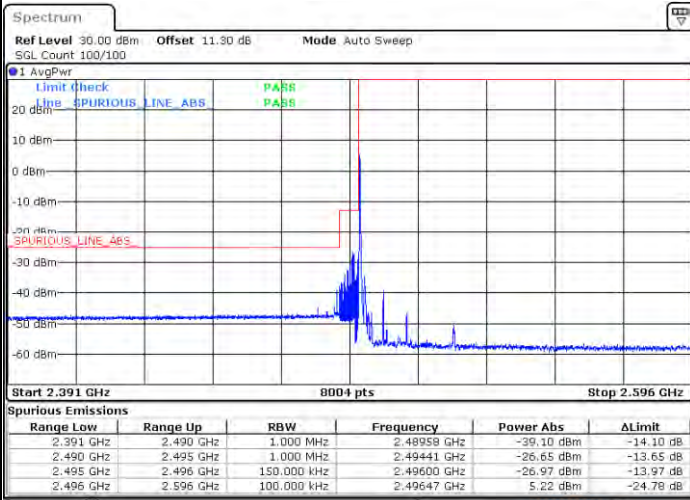
Date: 26-MAR-2021 23:06:34



FR1 n41+41A / 15MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

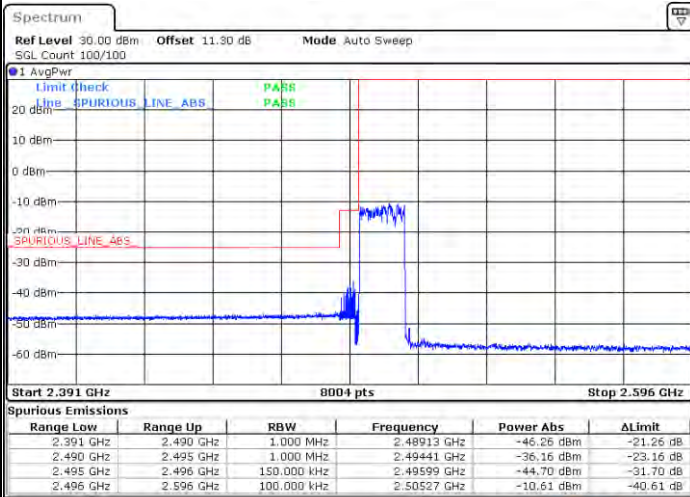
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



/

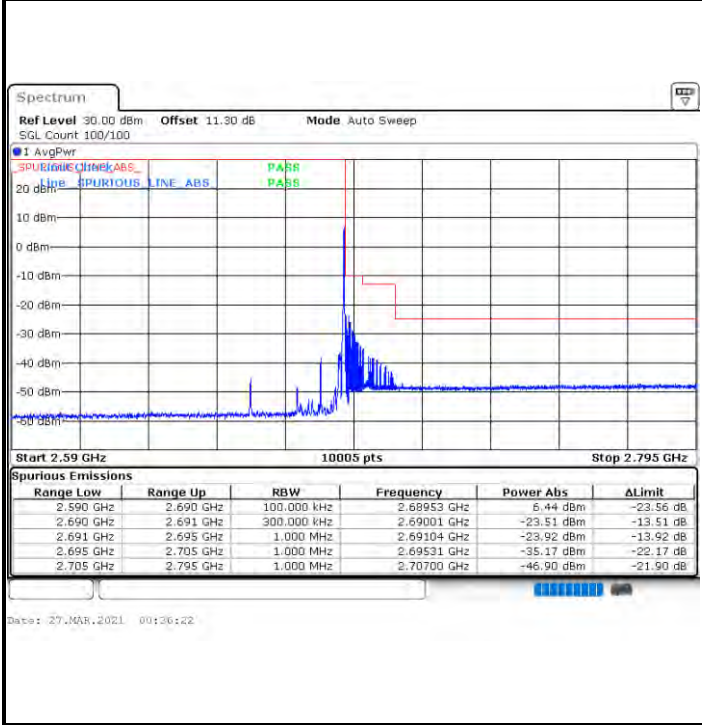




**FR1 n41+41A / 15MHz / DFT-S OFDM BPSK**

**Highest Band Edge / 1 RB**

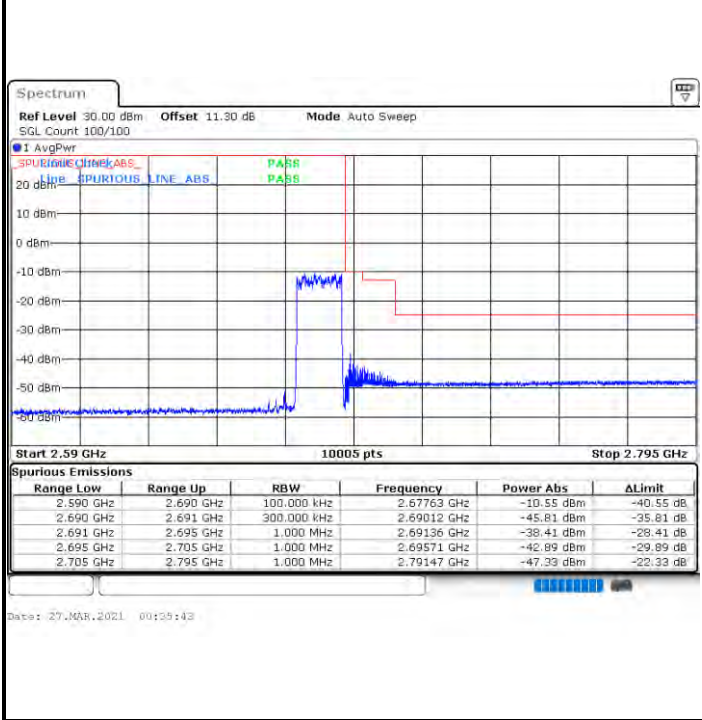
**Channel Power < -13dBm Pass**



/

**Highest Band Edge / Full RB**

**Channel Power < -13dBm Pass**



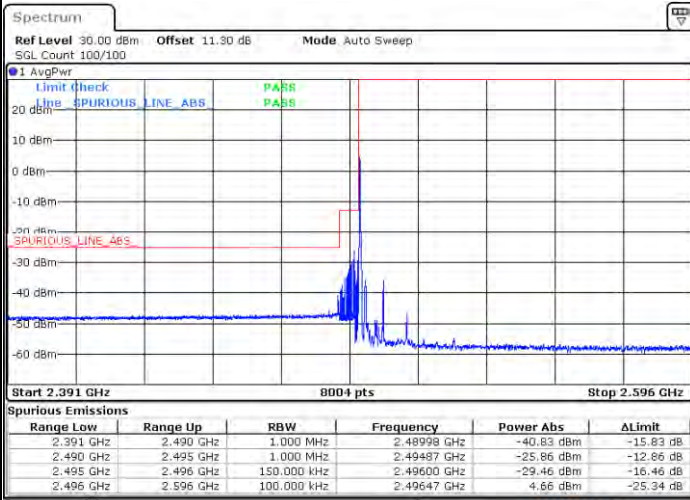
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FR1 n41+41A / 15MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

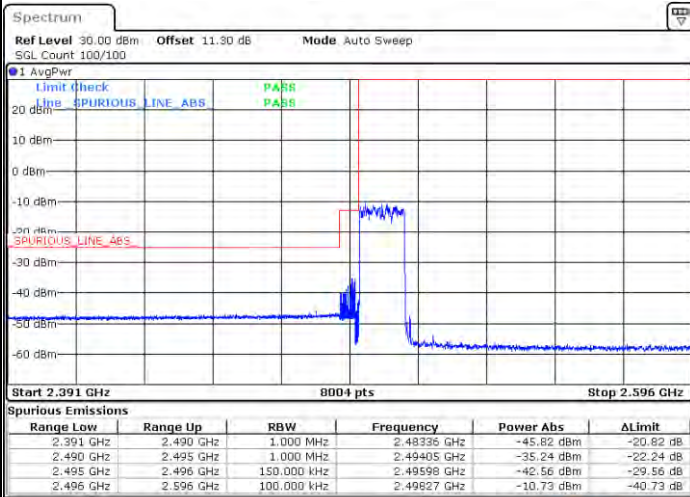
Channel Power < -13dBm Pass



Date: 27\_MAR\_2021 00:53:52

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



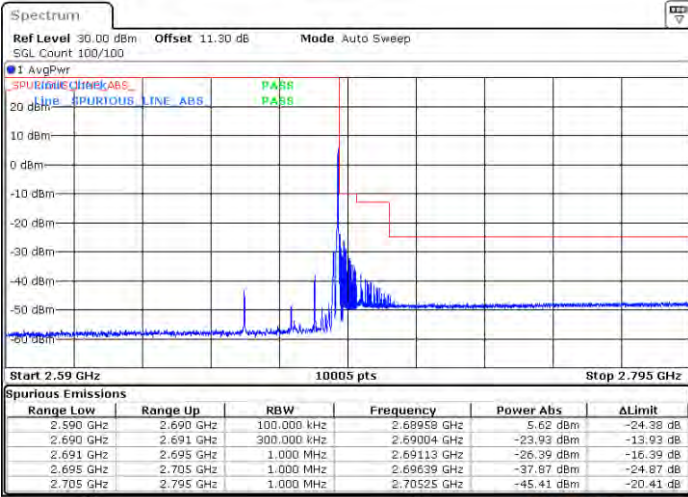
Date: 27\_MAR\_2021 00:50:18



FR1 n41+41A / 15MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

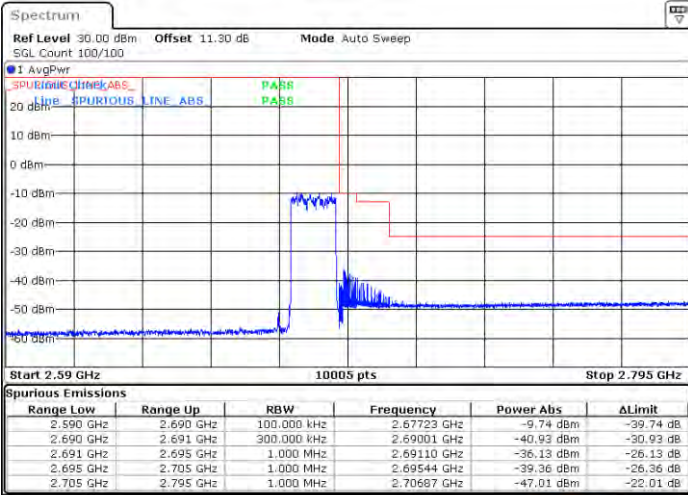
Channel Power < -13dBm Pass



Date: 27\_MAR\_2021 00:26:16

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



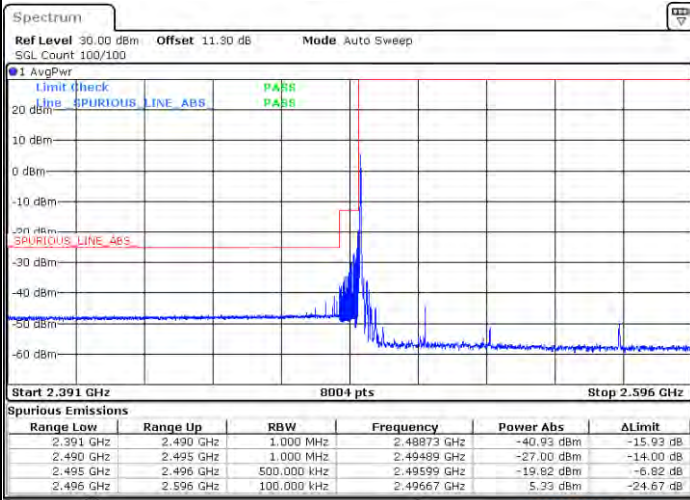
Date: 27\_MAR\_2021 00:26:44



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

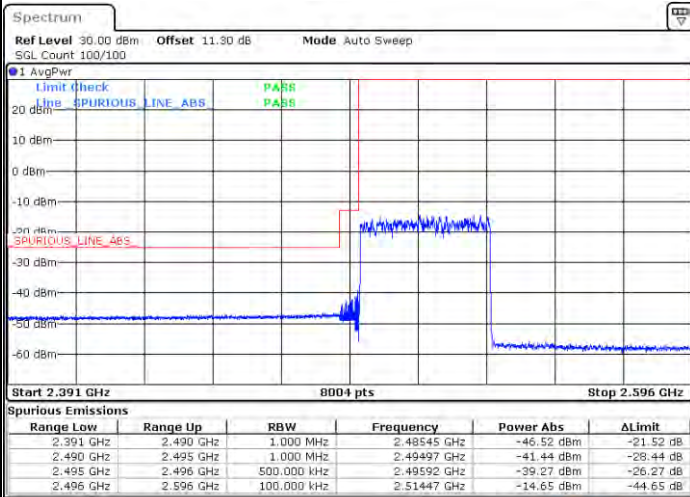
Channel Power < -13dBm Pass



Date: 27\_MAR\_2021 00:48:24

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



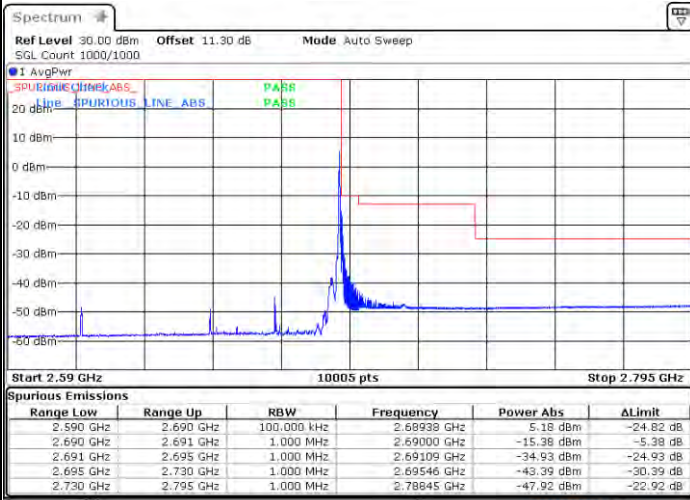
Date: 27\_MAR\_2021 00:48:08



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

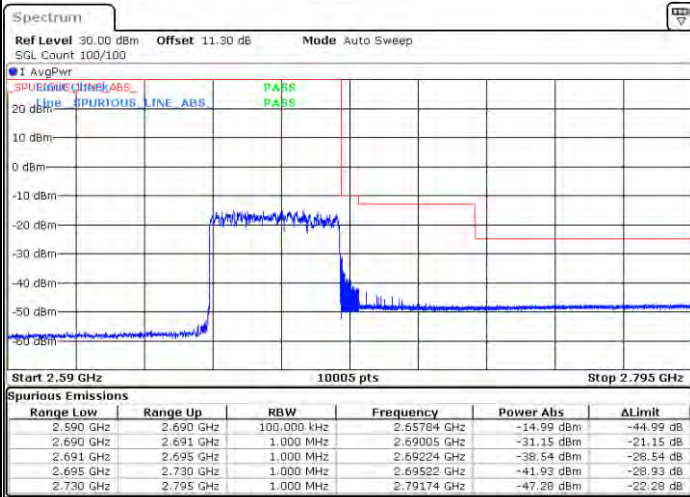
Channel Power < -13dBm Pass



Date: 27\_MAR\_2021 00:40:54

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



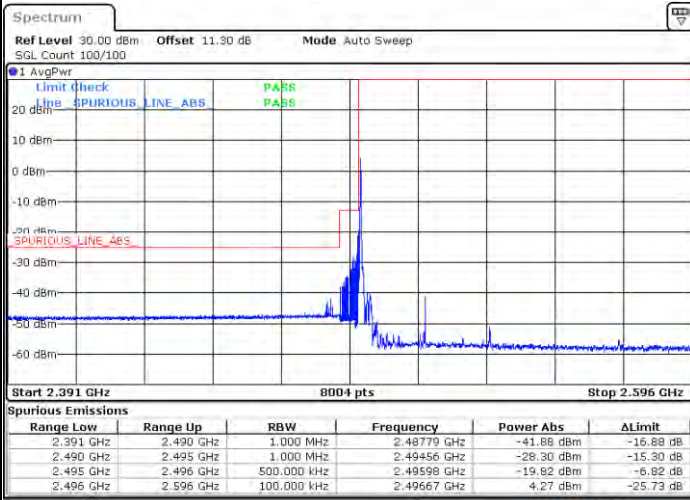
Date: 27\_MAR\_2021 00:40:00



FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

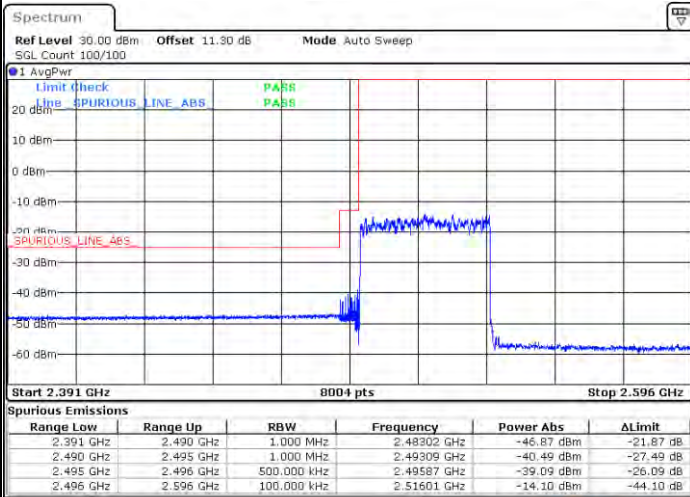
Channel Power < -13dBm Pass



Date: 27\_MAR\_2021 00:48:36

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



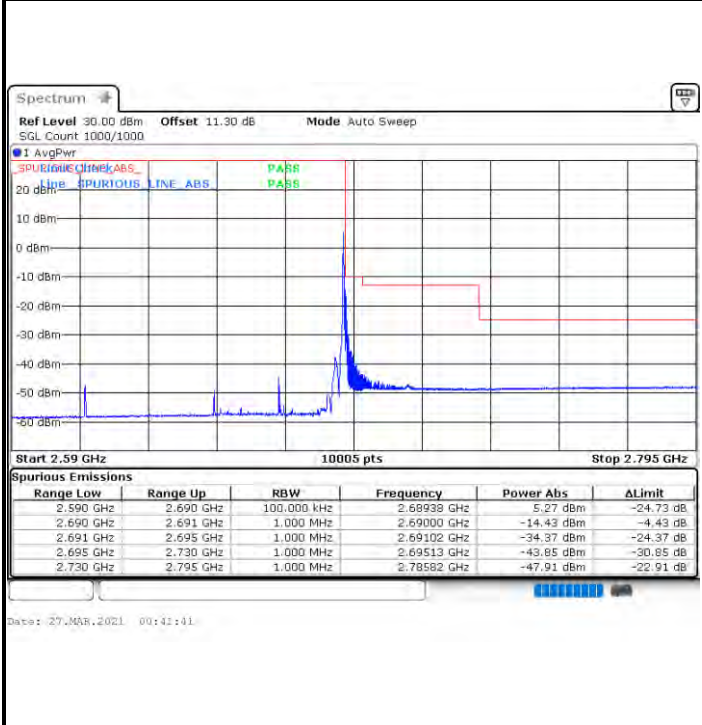
Date: 27\_MAR\_2021 00:46:34



**FR1 n41+41A / 40MHz / DFT-S OFDM QPSK**

**Highest Band Edge / 1 RB**

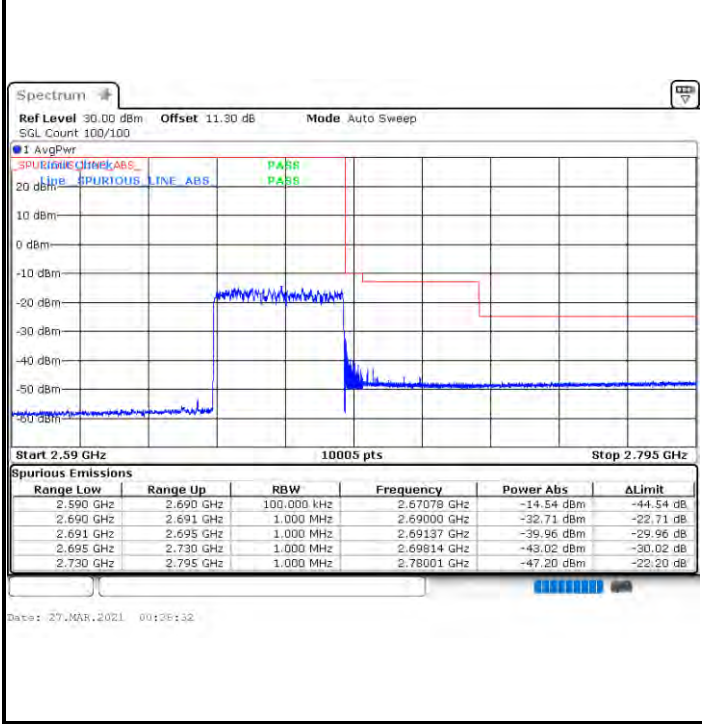
**Channel Power < -13dBm Pass**



/

**Highest Band Edge / Full RB**

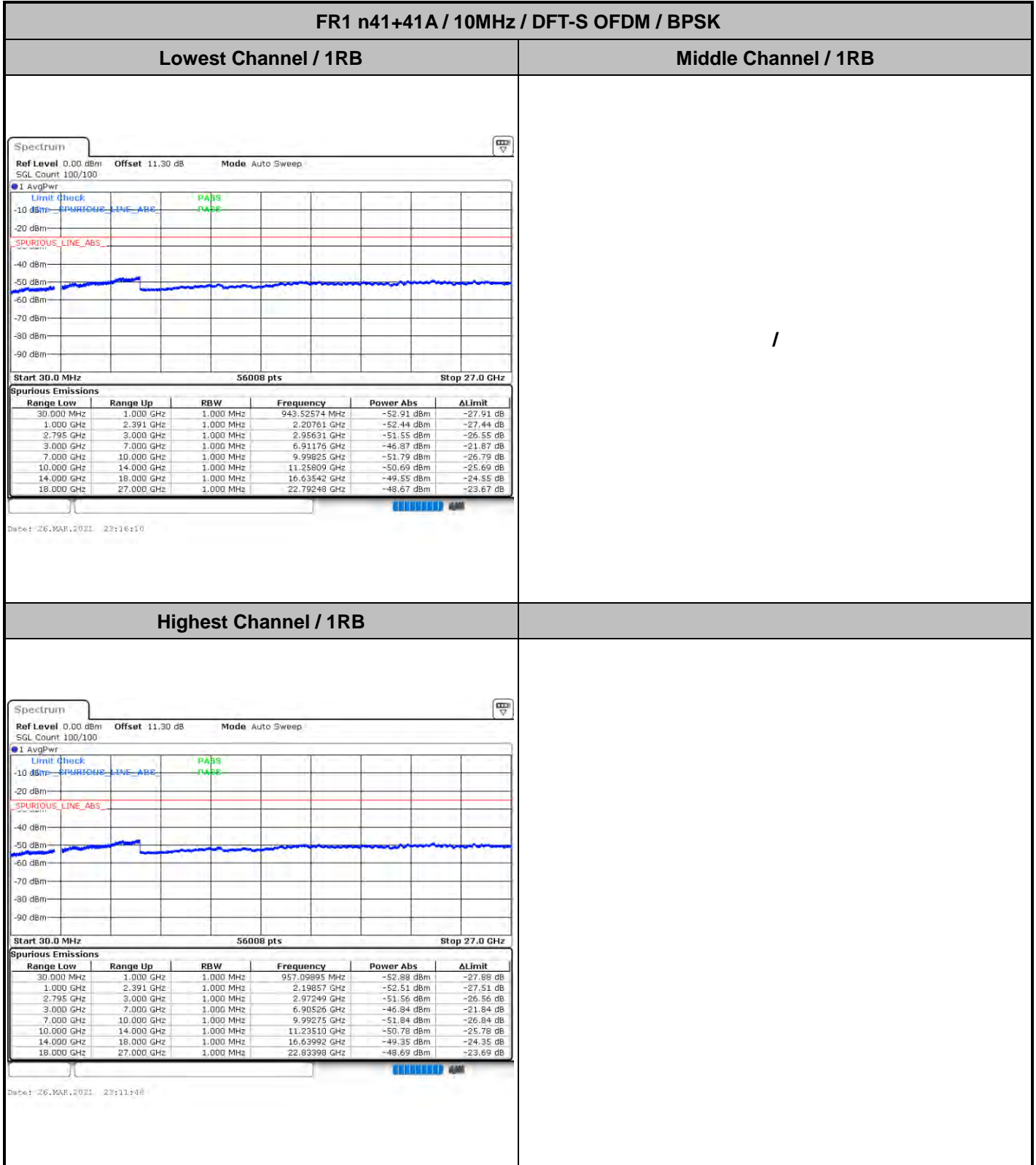
**Channel Power < -13dBm Pass**



/



# Conducted Spurious Emission



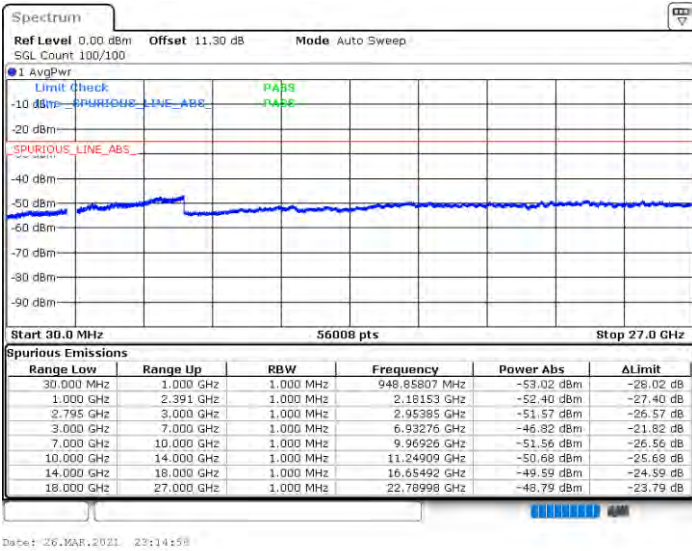




FR1 n41+41A / 10MHz / DFT-S OFDM / QPSK

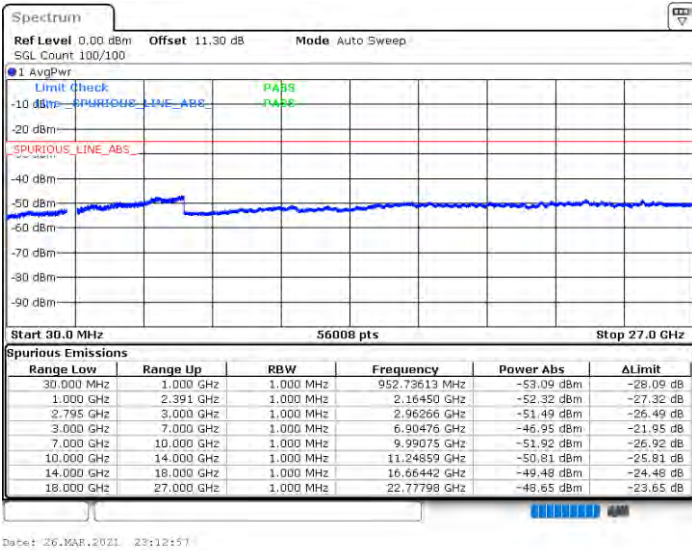
Lowest Channel / 1RB

Middle Channel / 1RB



/

Highest Channel / 1RB

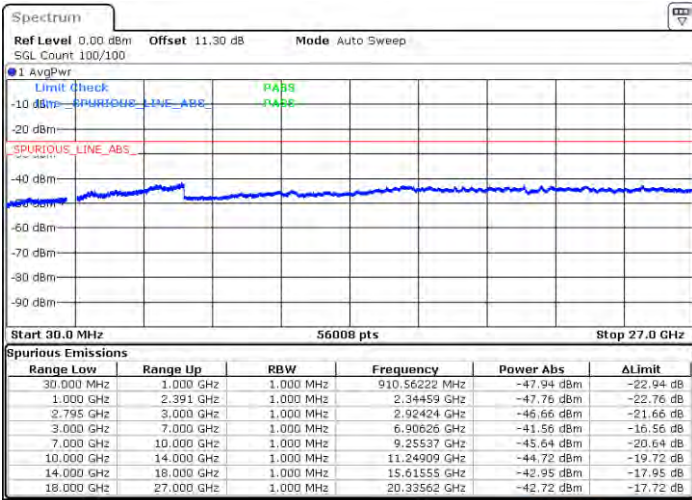




FR1 n41+41A / 15MHz / DFT-S OFDM / BPSK

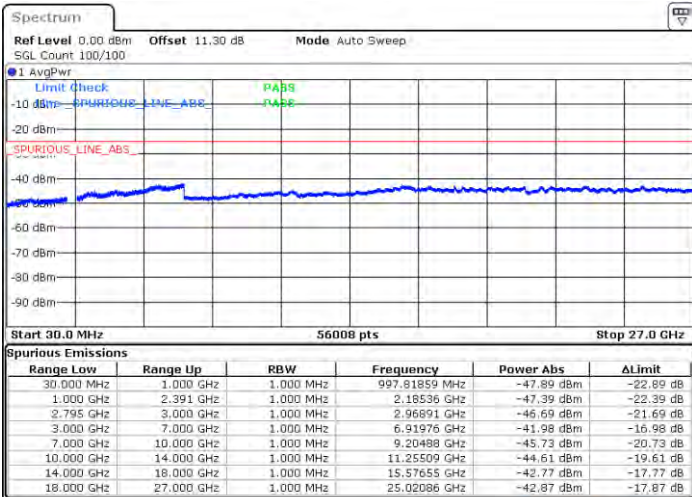
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 23:17:21

Highest Channel / 1RB

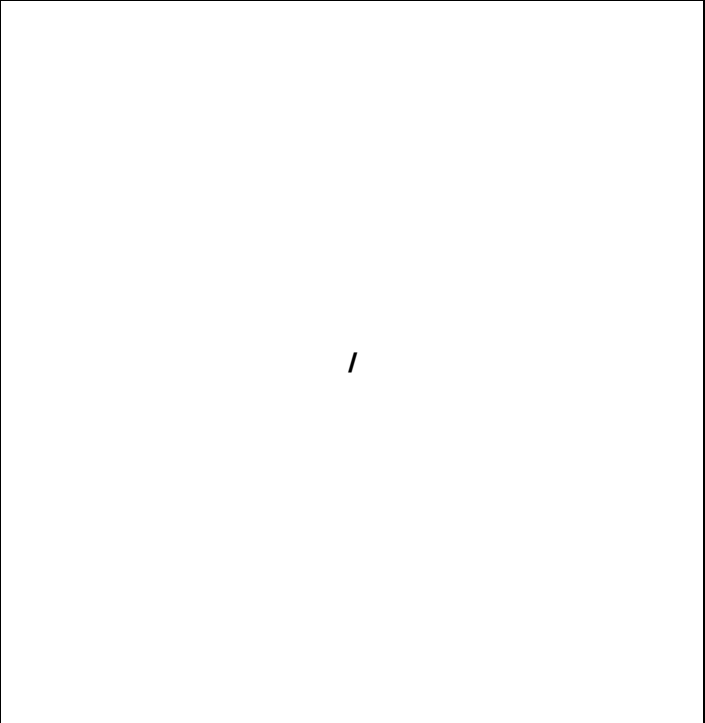
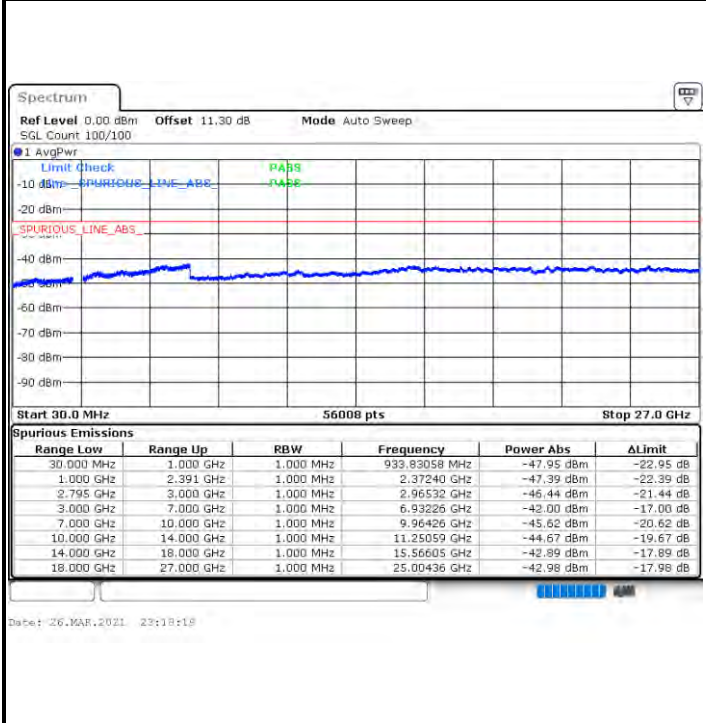


Date: 26.MAR.2021 23:20:20

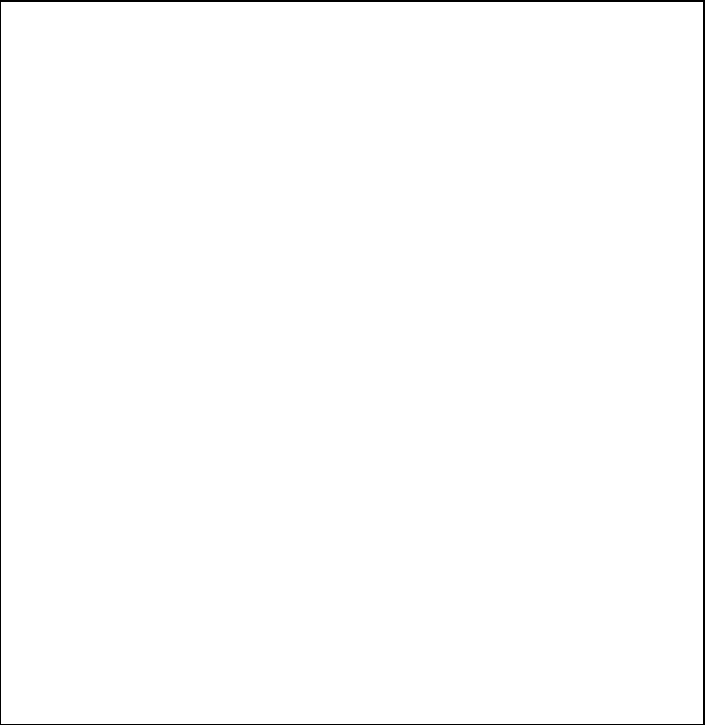
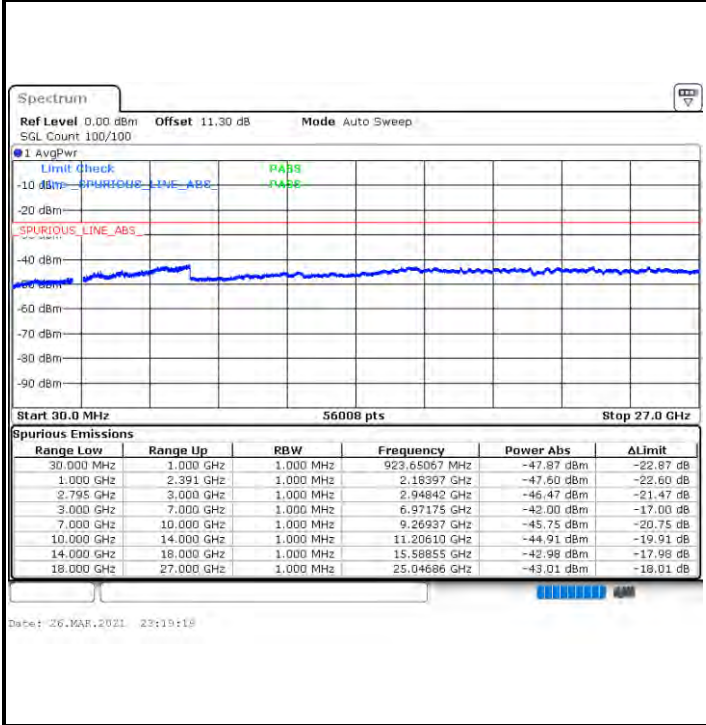


**FR1 n41+41A / 40MHz / DFT-S OFDM / QPSK**

<b>Lowest Channel / 1RB</b>	<b>Middle Channel / 1RB</b>
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**Highest Channel / 1RB**

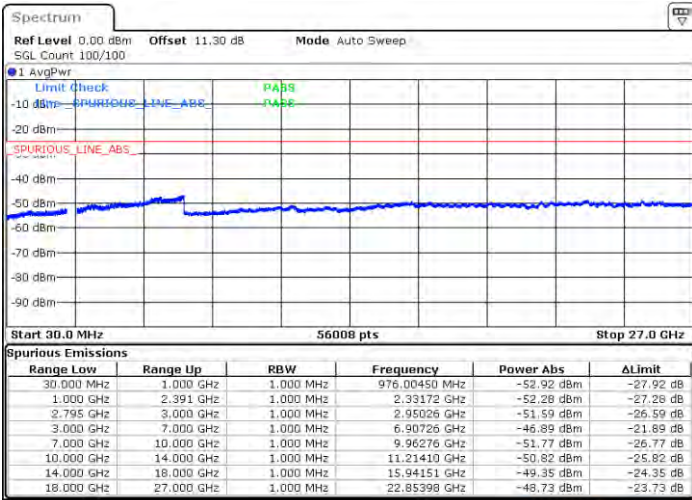




FR1 n41+41A / 40MHz / DFT-S OFDM / BPSK

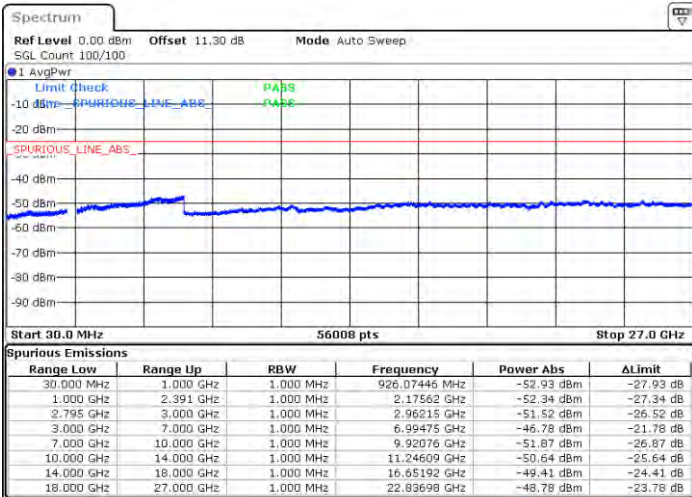
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 23:22:52

Highest Channel / 1RB



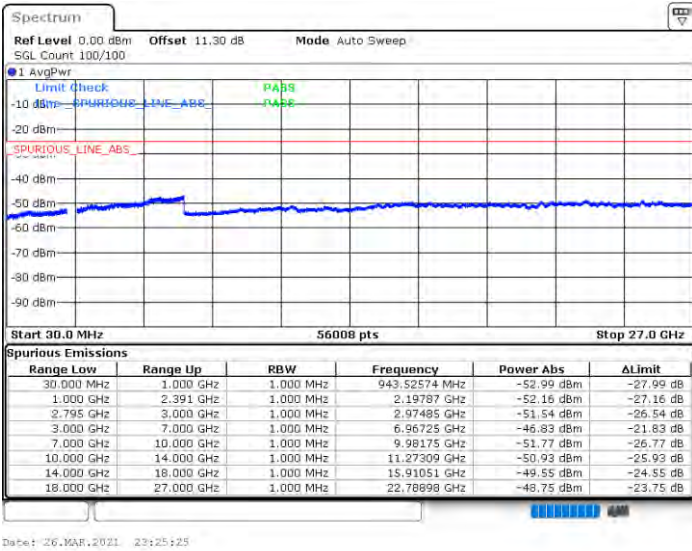
Date: 26.MAR.2021 23:27:50



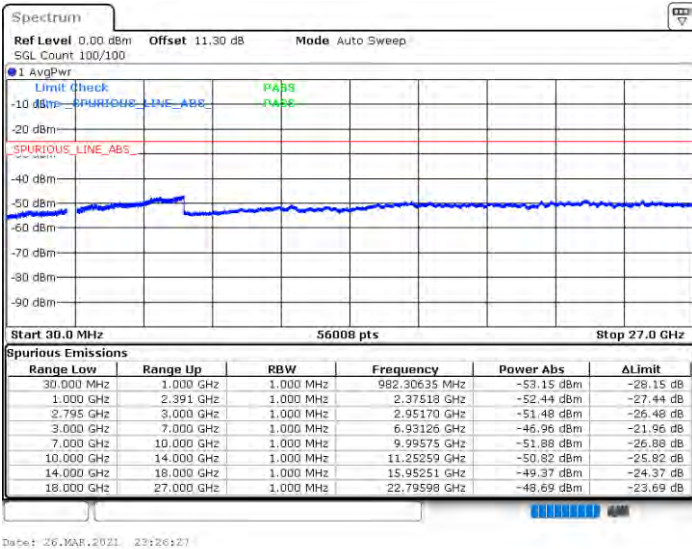
FR1 n41+41A / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB



Highest Channel / 1RB





### Frequency Stability

Test Conditions		NR n41+41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0003	

**Note:**

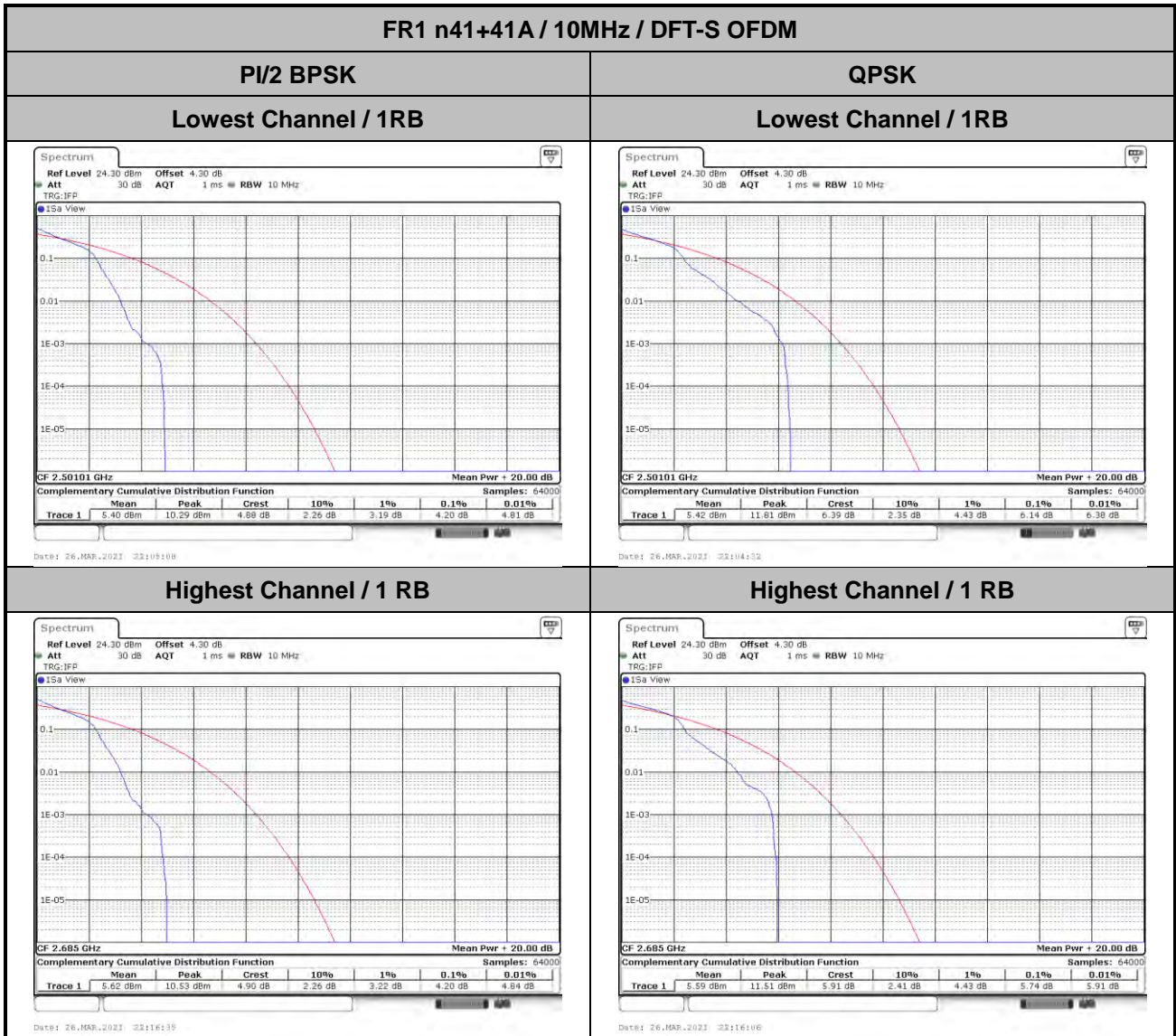
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



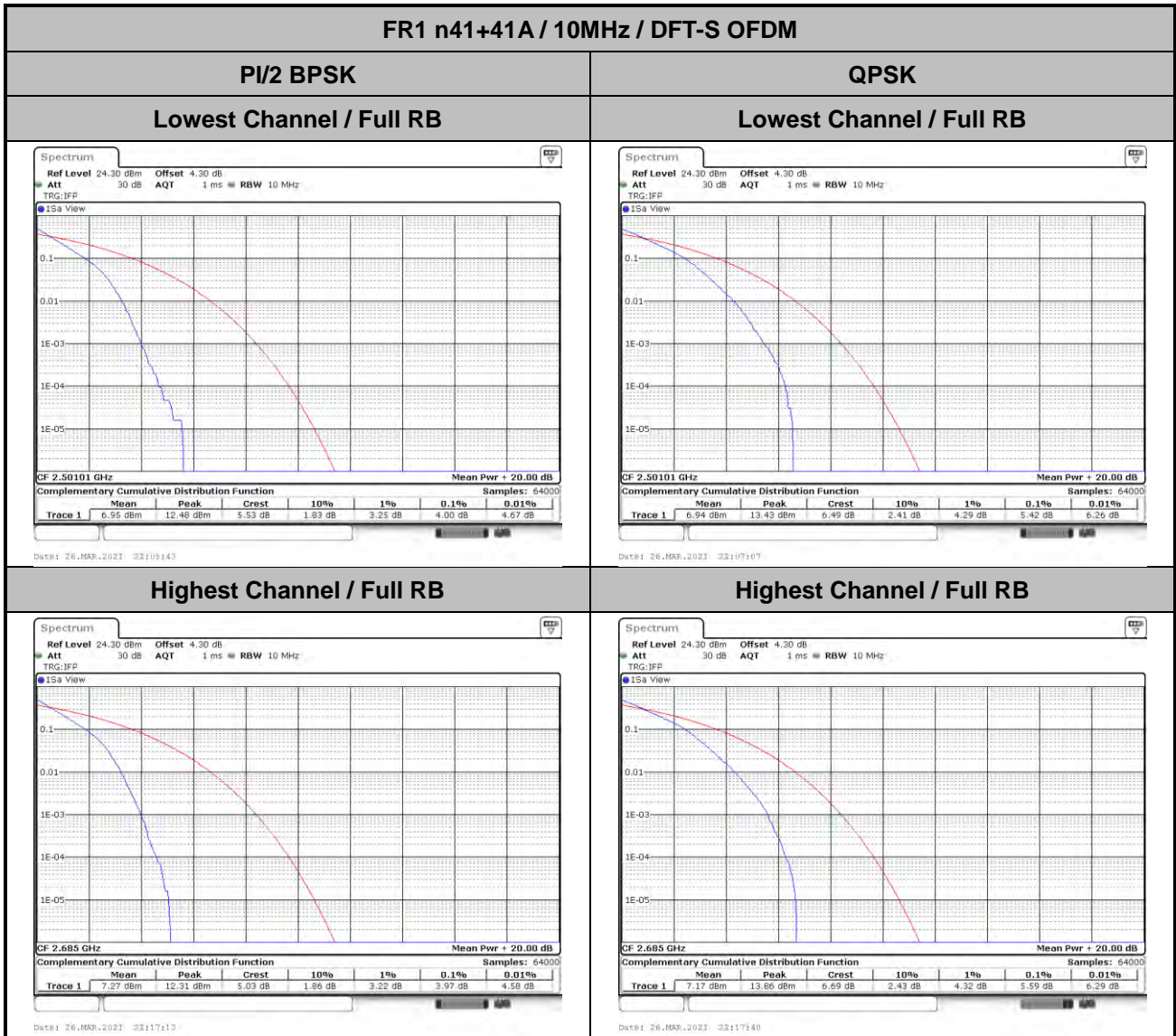
## 5G NR n41 NSA-SCS 30K

### Peak-to-Average Ratio

Mode	FR1 n41+41A / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.20	4.00	6.14	5.42	<b>PASS</b>
Middle CH	-	-	-	-	
Highest CH	4.20	3.97	5.74	5.59	









26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.37	9.13				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.27	14.75	14.30	14.48				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.95	29.13	29.07	28.83				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	40.2	40.04	40.2	40.12				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	49.75	49.75	49.75	49.75				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	79.92	79.92	79.76	79.92				



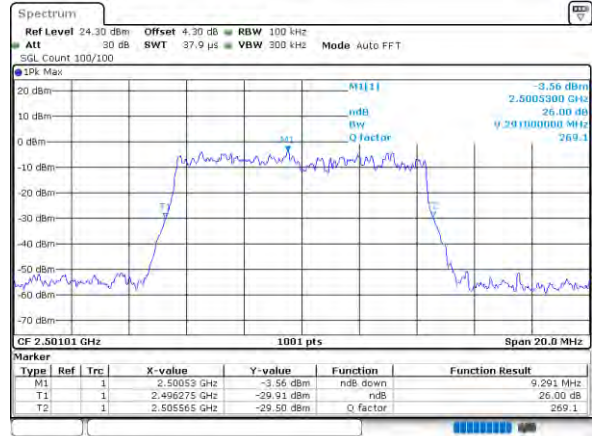
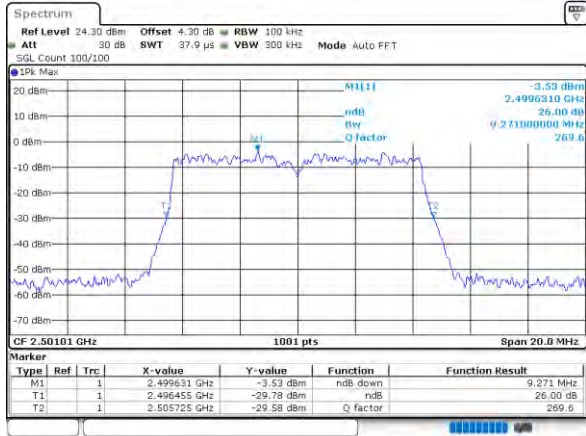
FR1 n41 / 10MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 30\_MAR\_2021 17:35:10

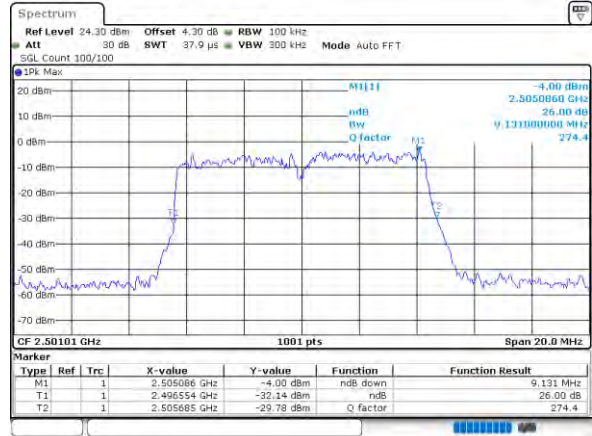
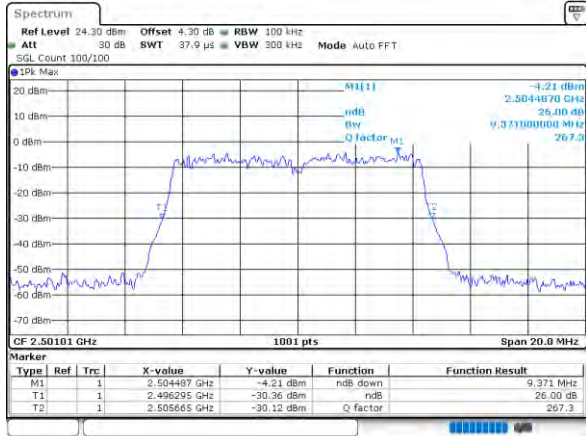
Date: 30\_MAR\_2021 17:29:52

64QAM

256QAM

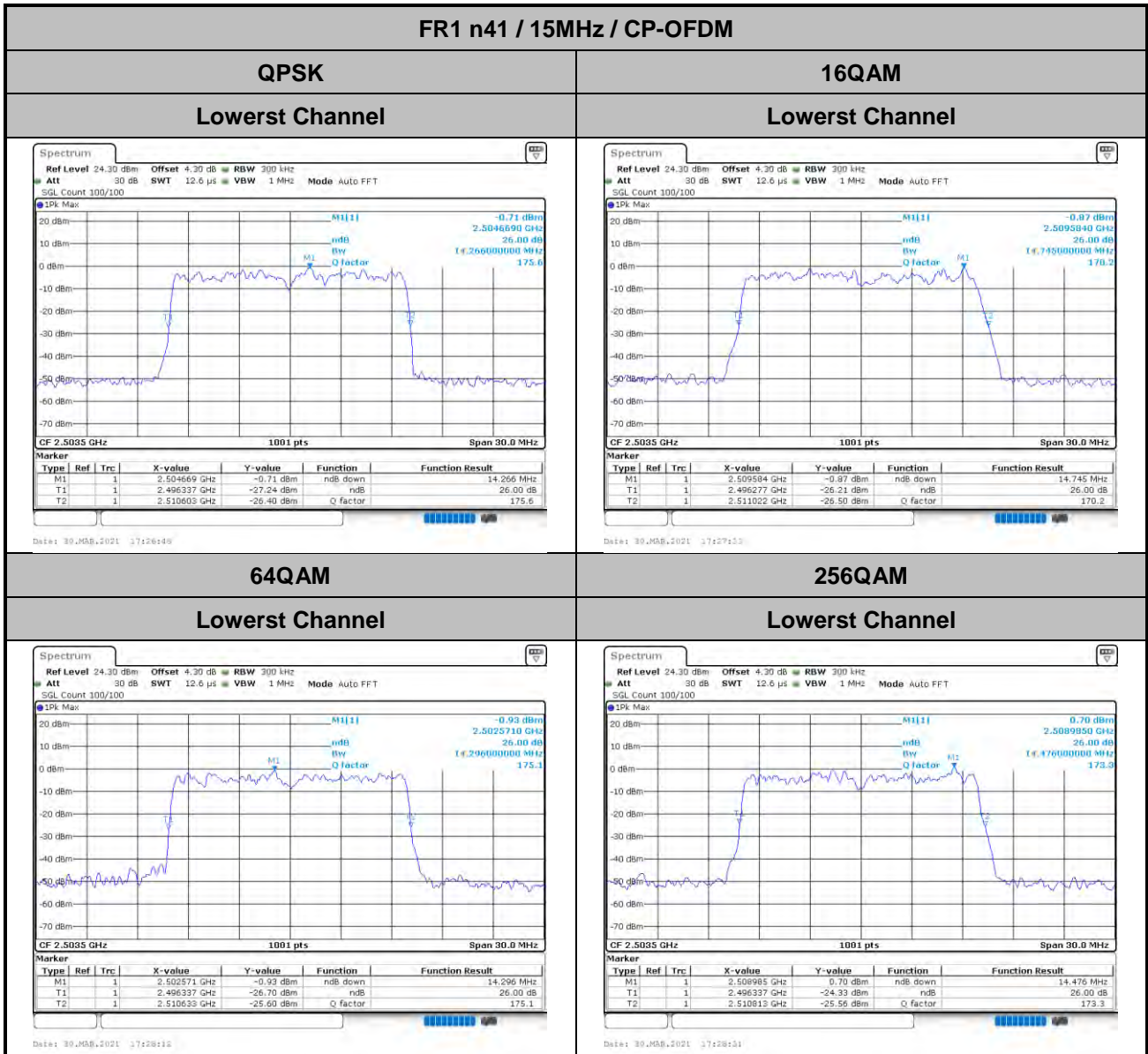
Lowerst Channel

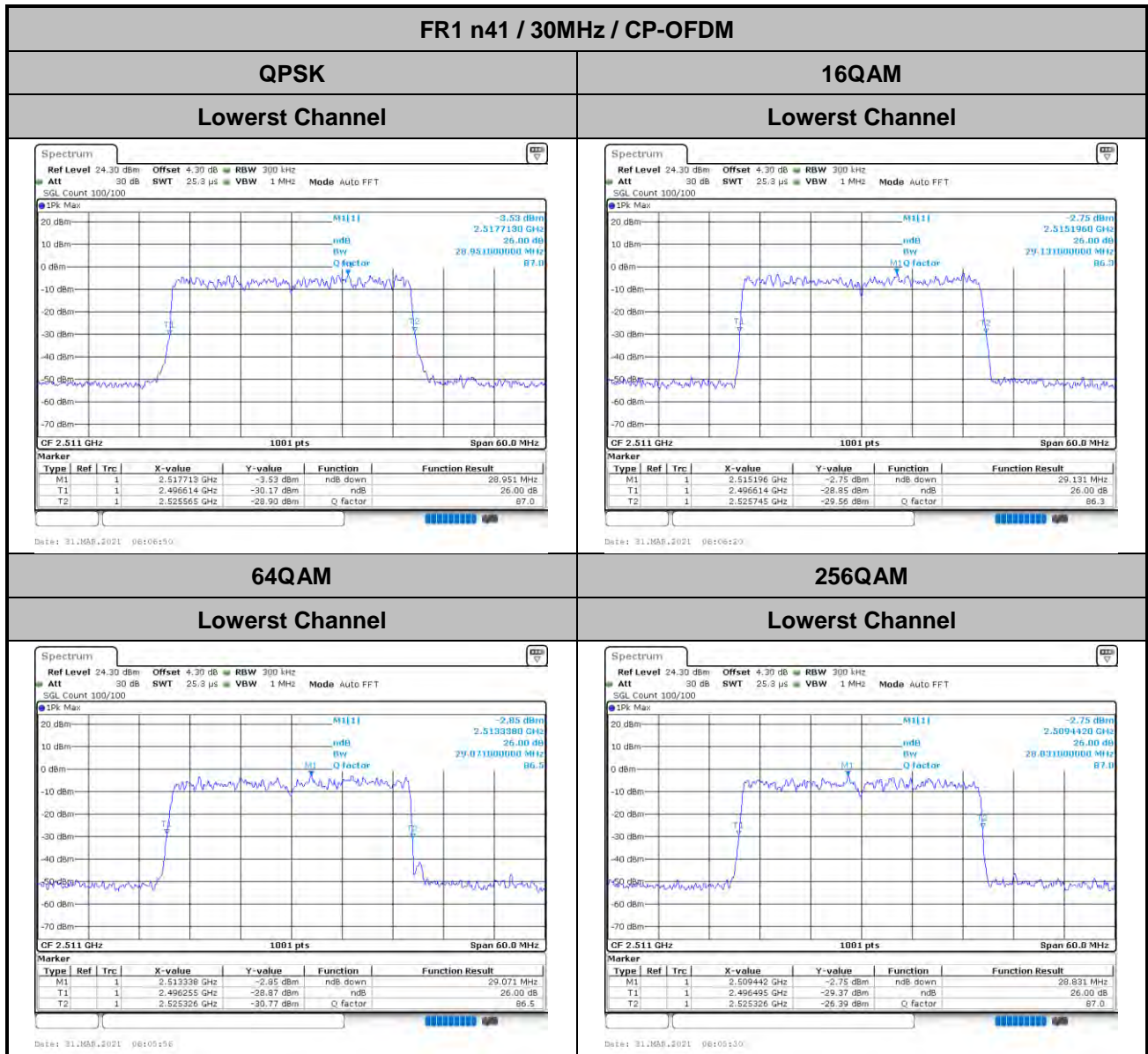
Lowerst Channel

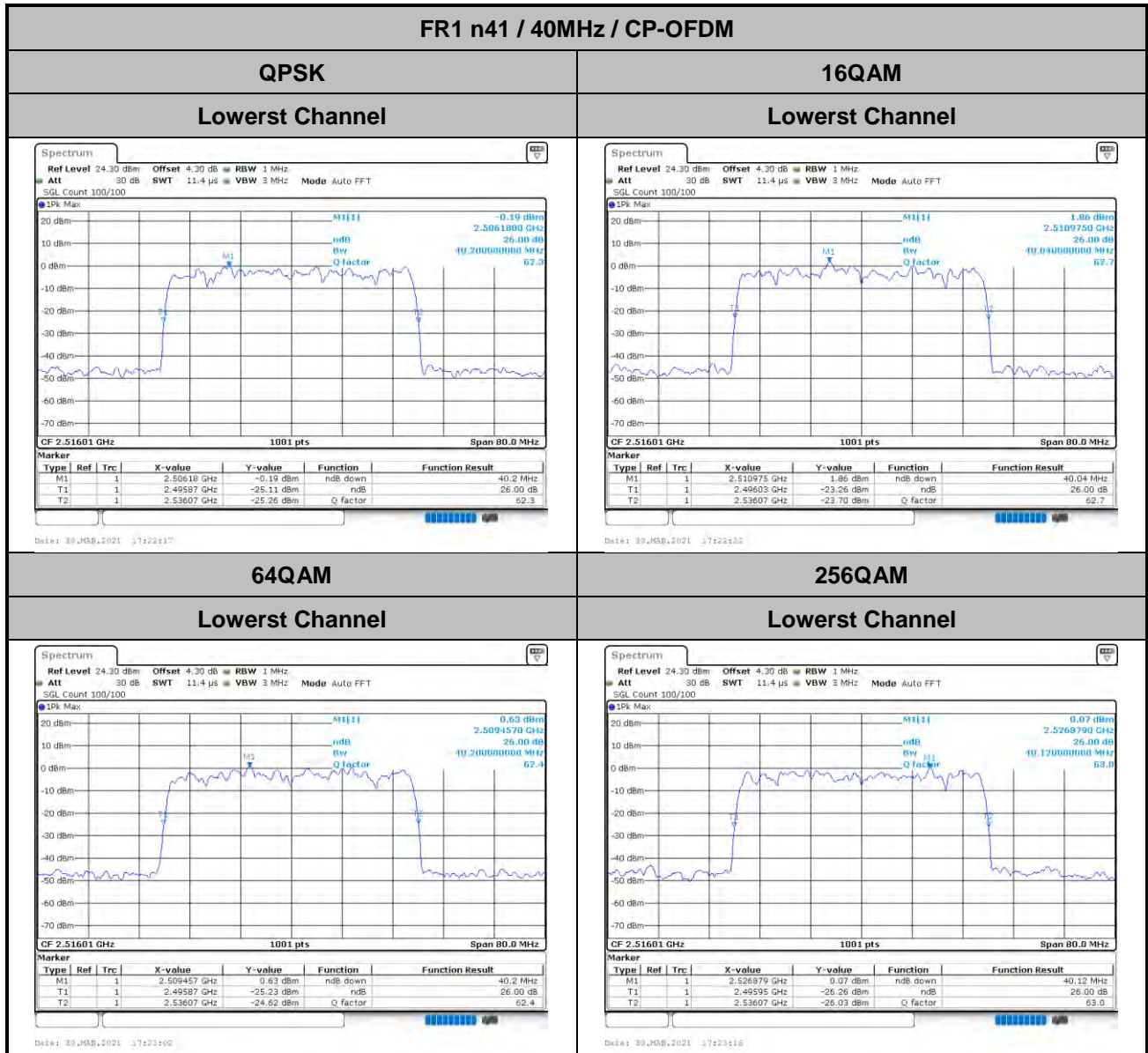


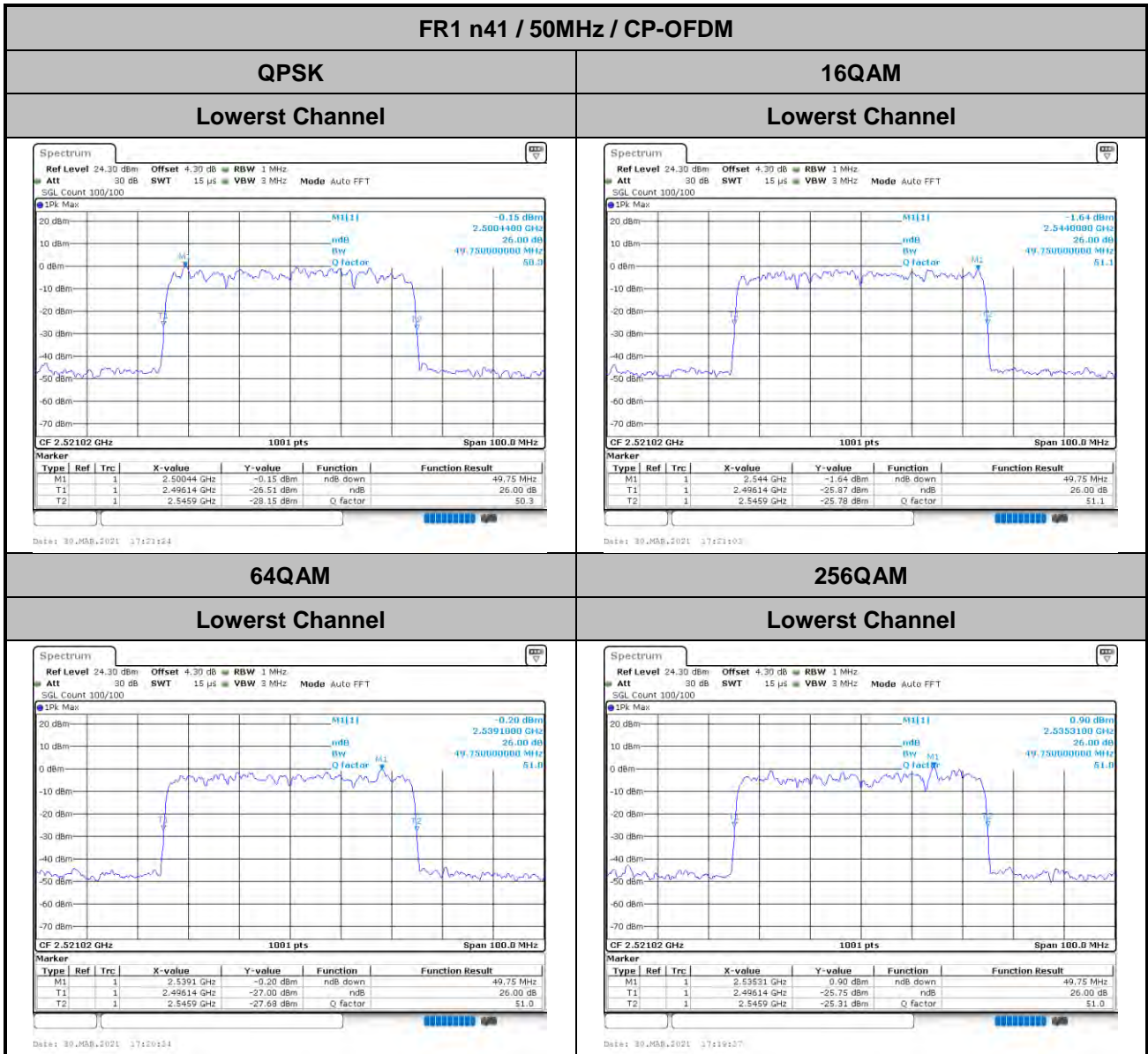
Date: 30\_MAR\_2021 17:29:20

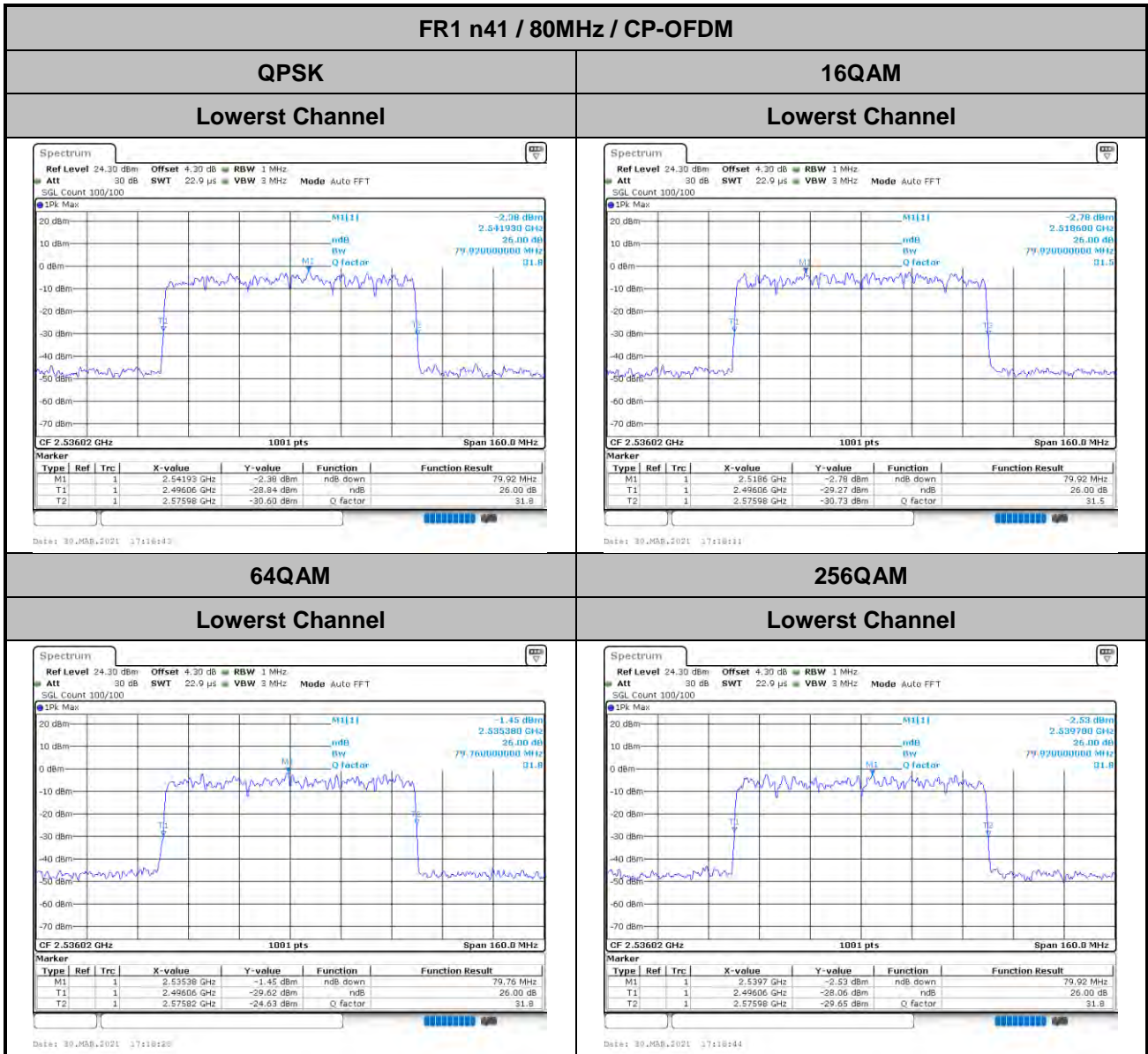
Date: 30\_MAR\_2021 17:29:06















### Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	8.57	8.57	8.57	8.53				

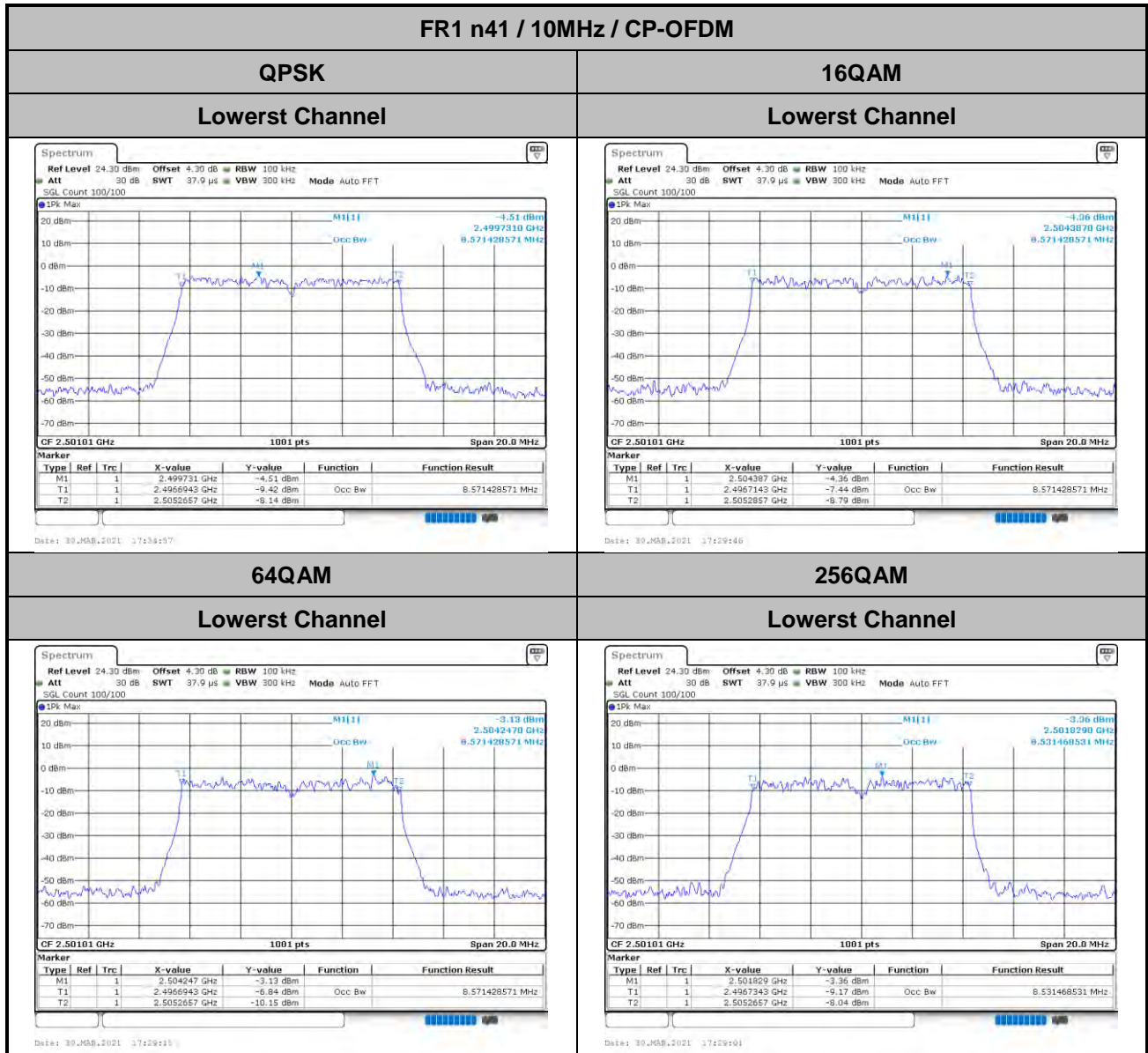
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	13.58	13.49	13.55	13.52				

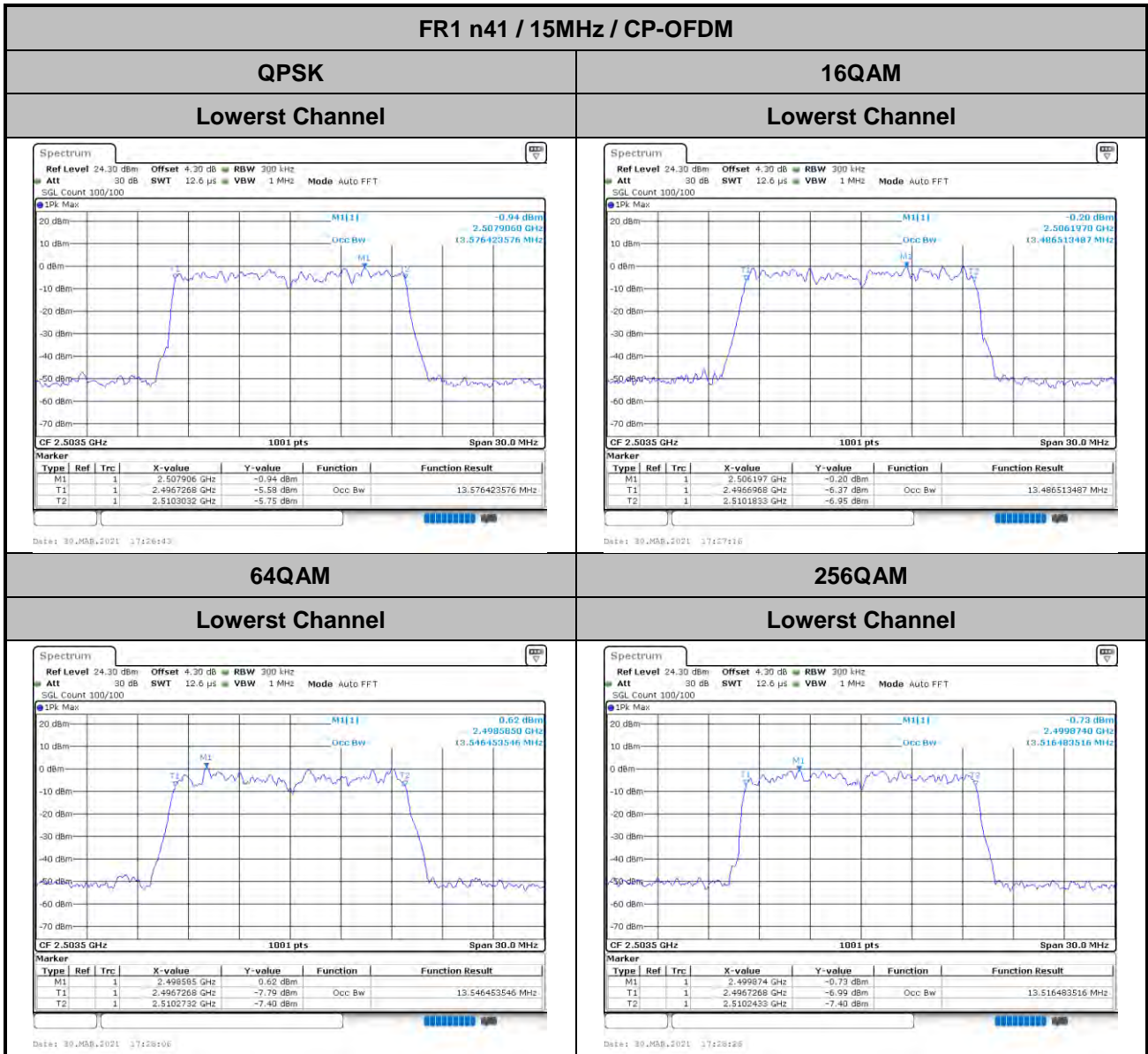
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	27.81	27.87	27.75	27.75				

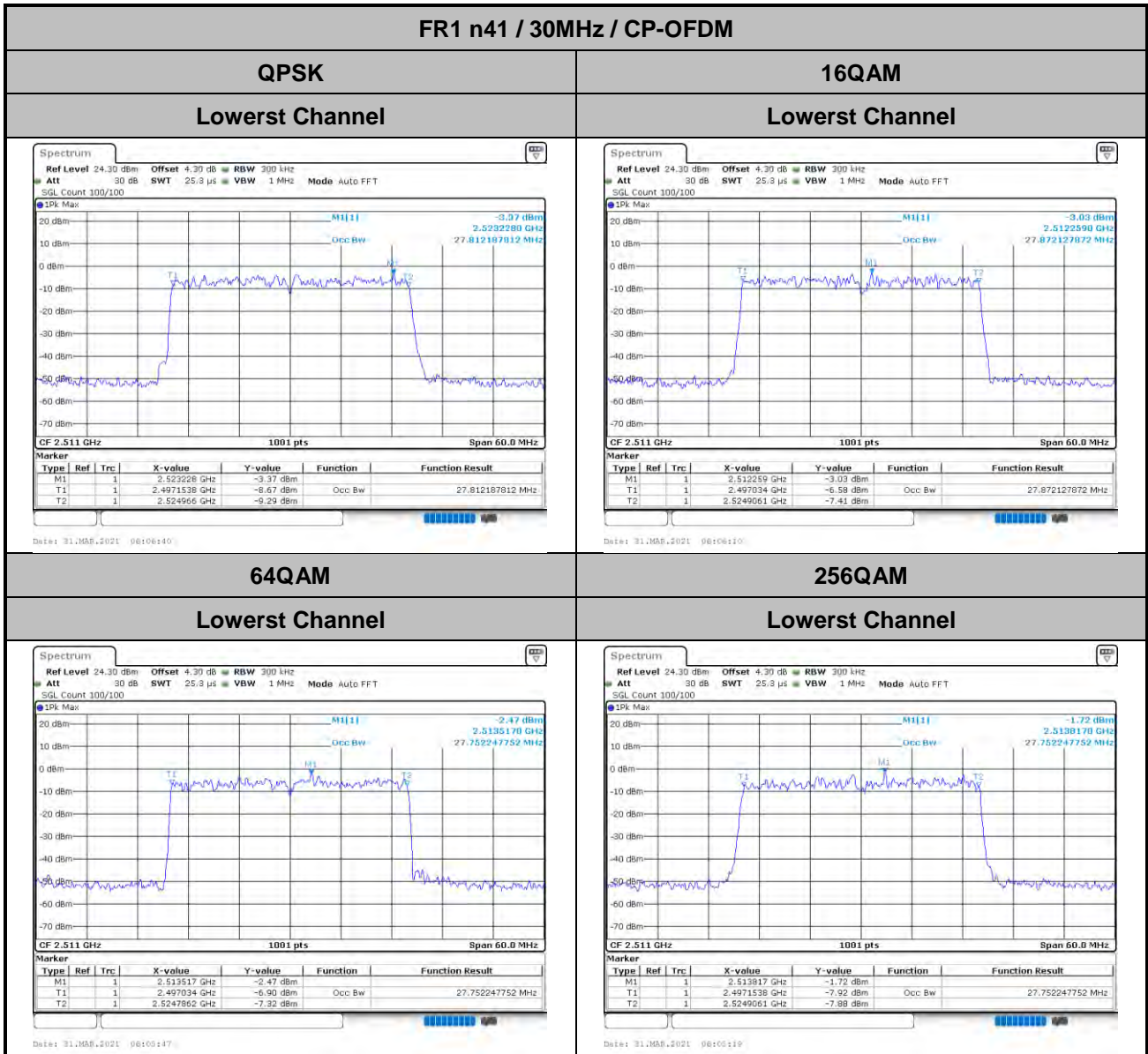
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.12	37.80	37.88	37.72				

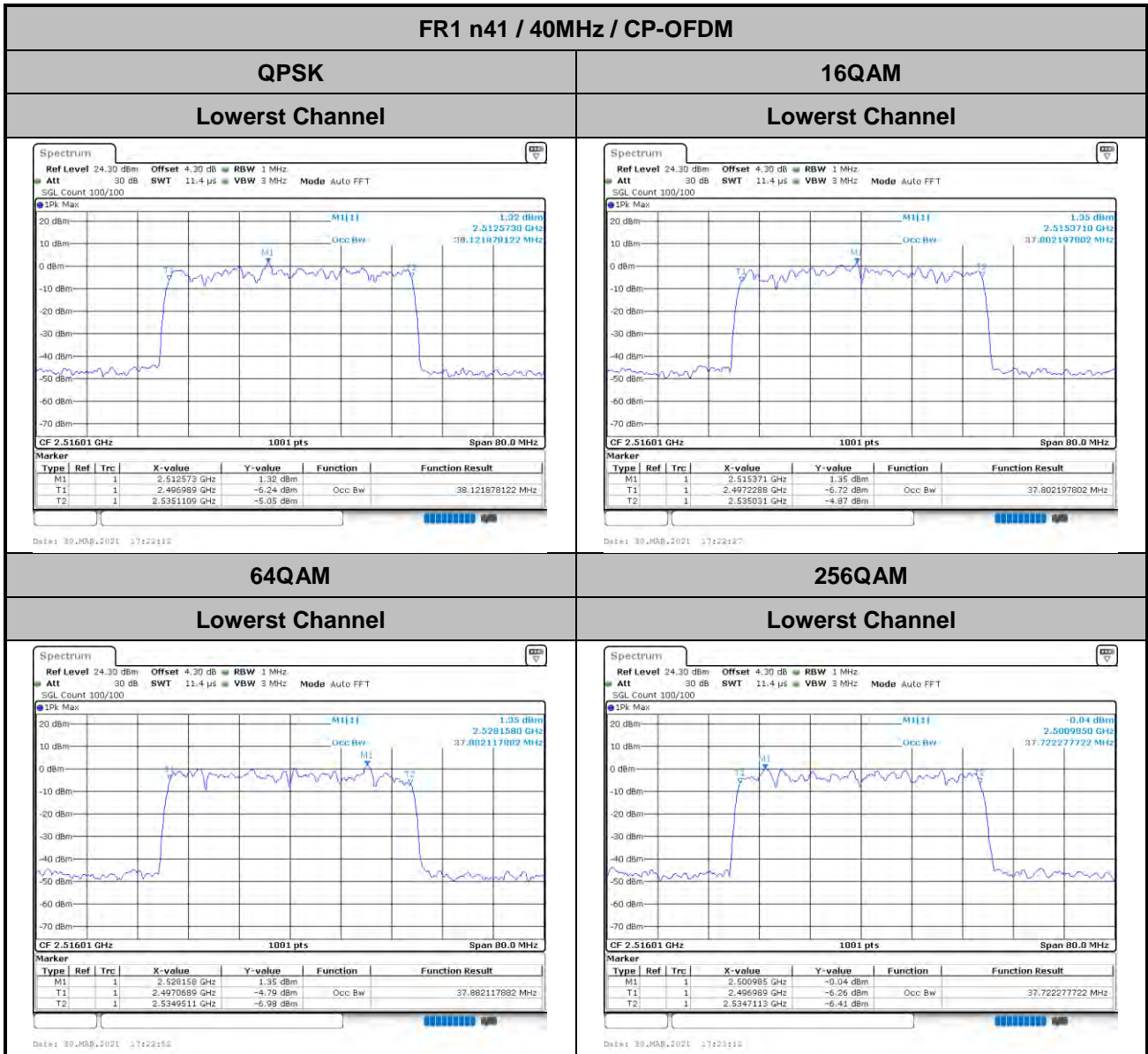
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	47.65	47.35	47.65	47.85				

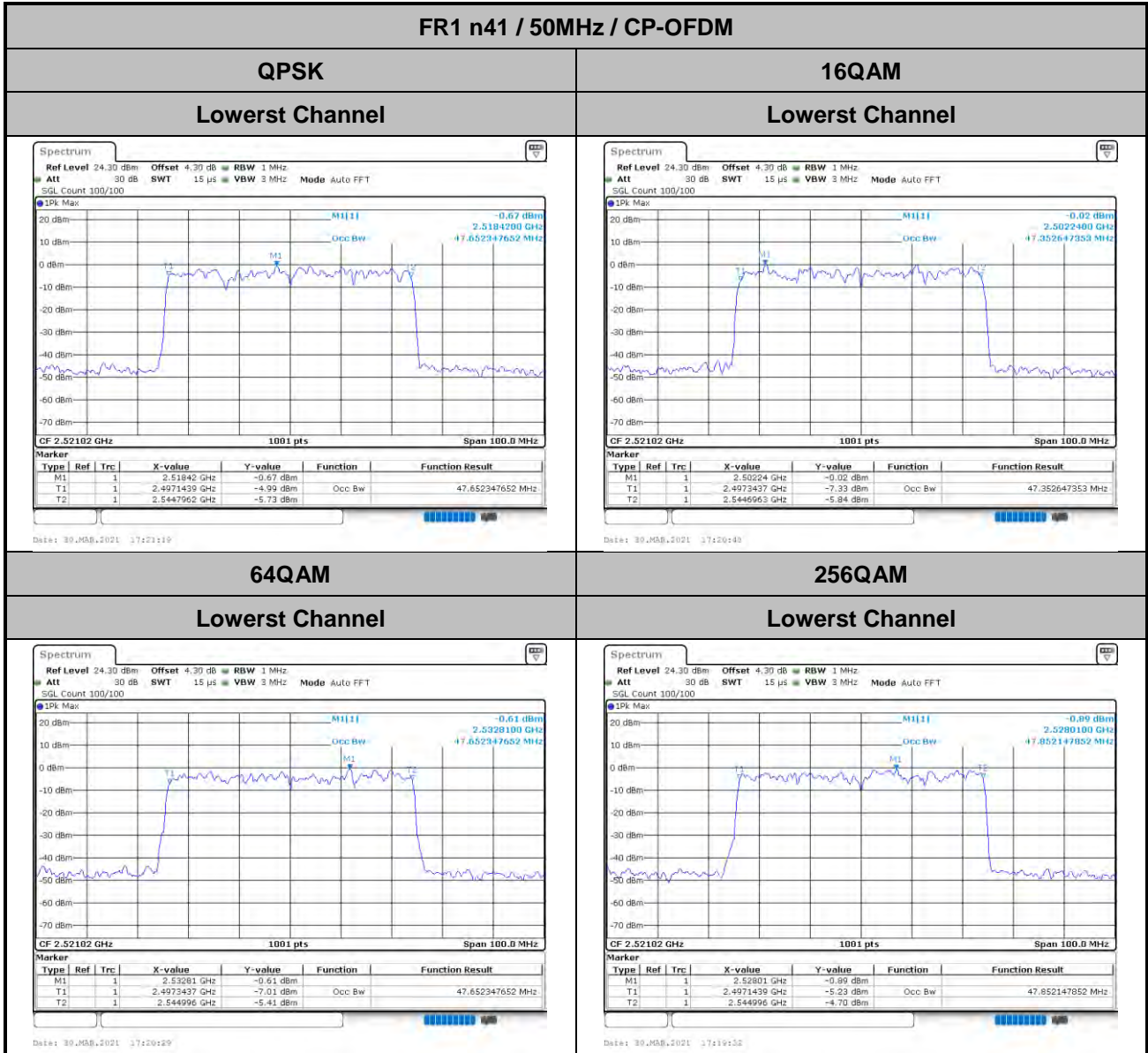
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	77.36	77.52	77.20	77.36				

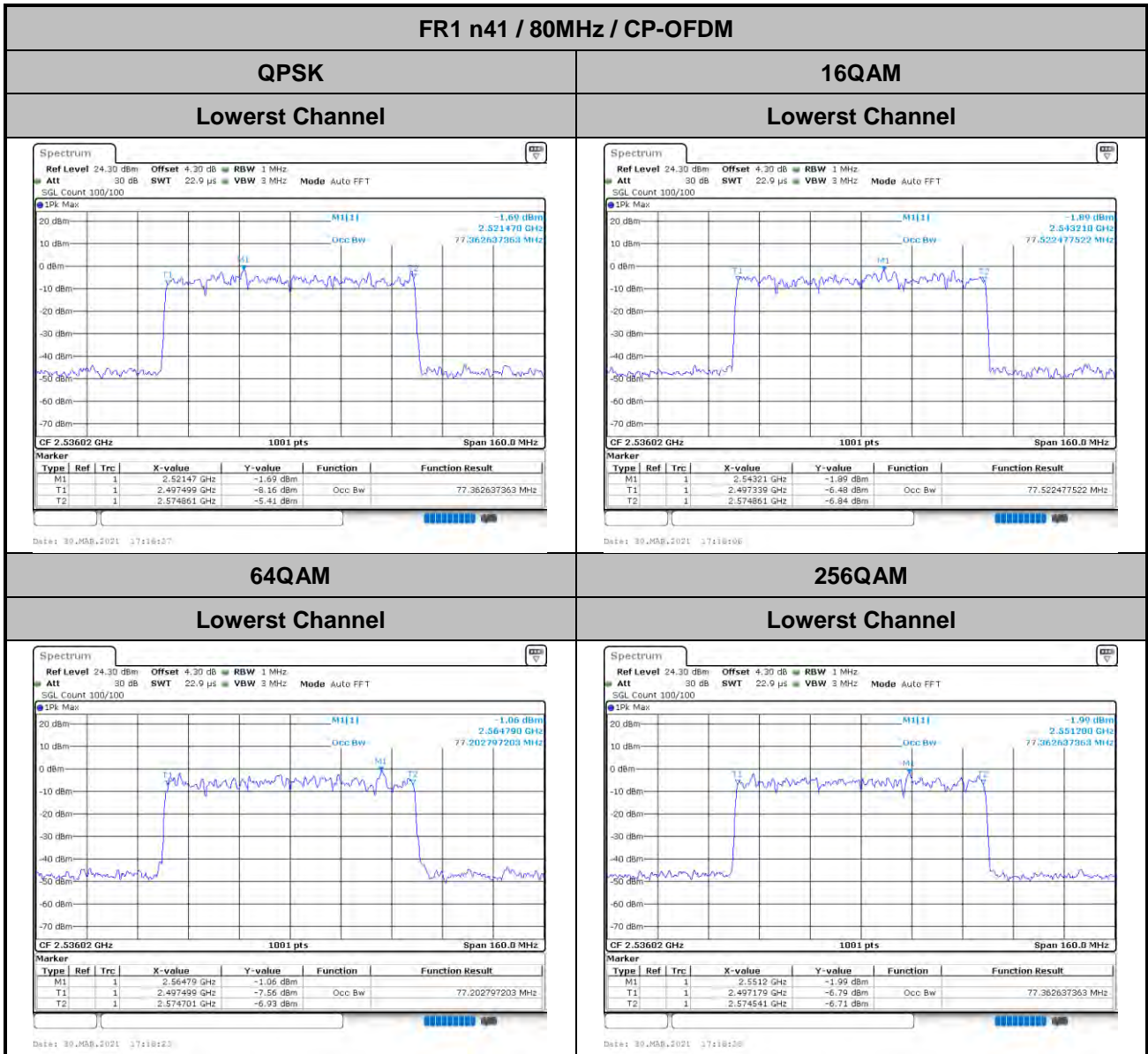






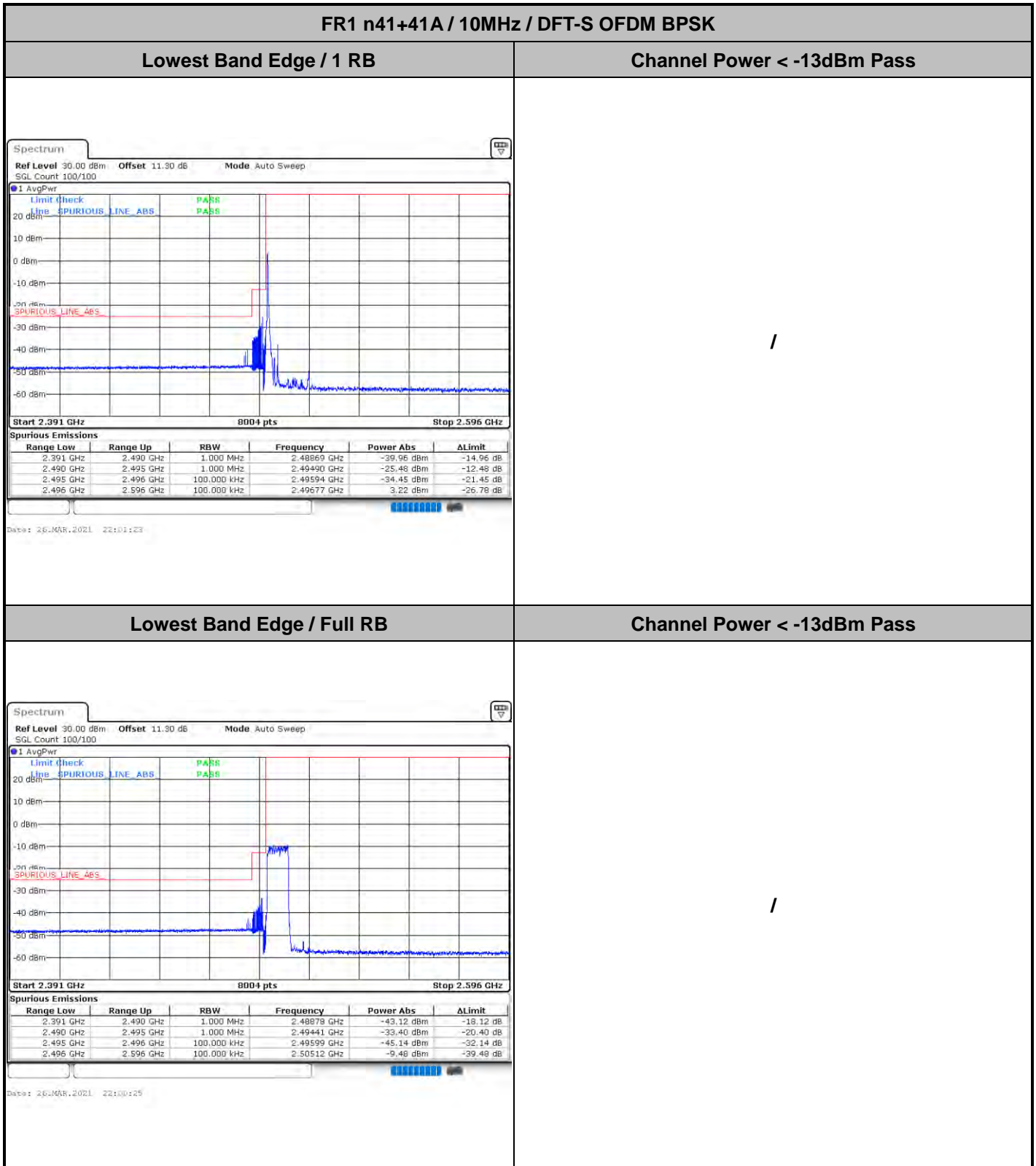








# Conducted Band Edge



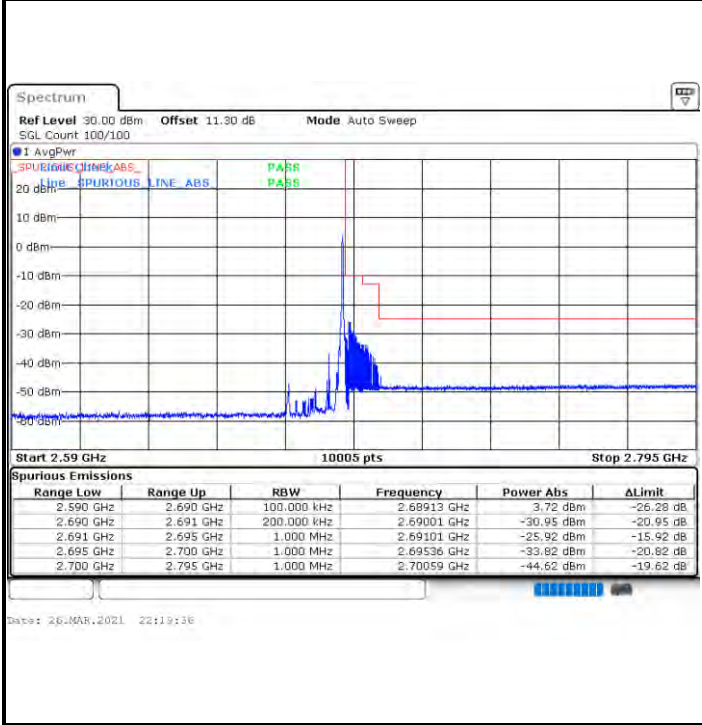




**FR1 n41+41A / 10MHz / DFT-S OFDM BPSK**

**Highest Band Edge / 1 RB**

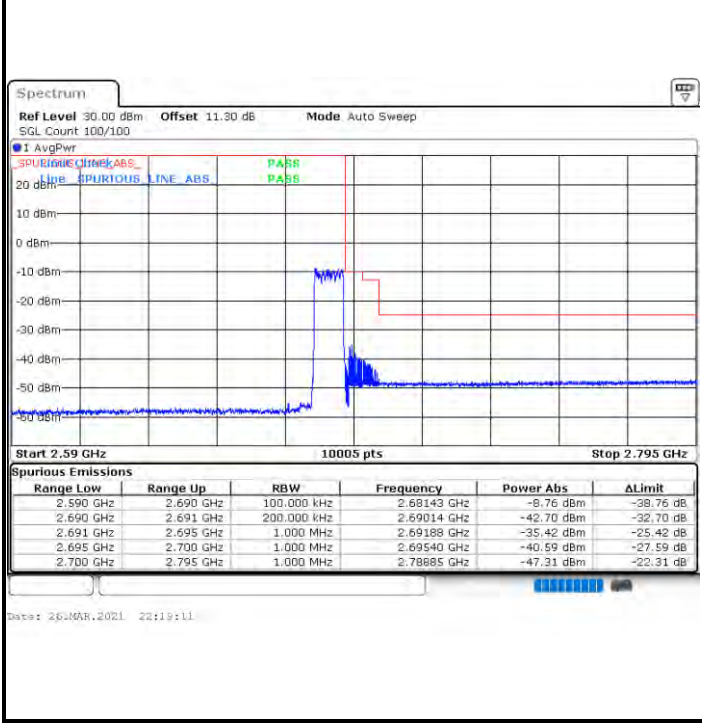
**Channel Power < -13dBm Pass**



/

**Highest Band Edge / Full RB**

**Channel Power < -13dBm Pass**



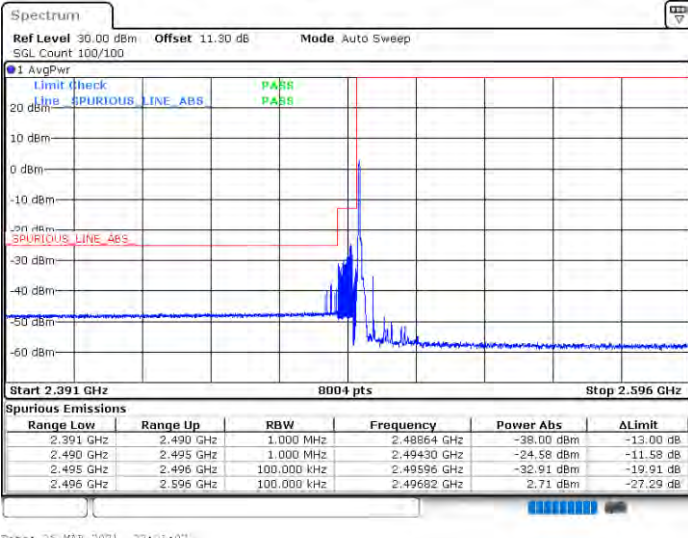
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FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

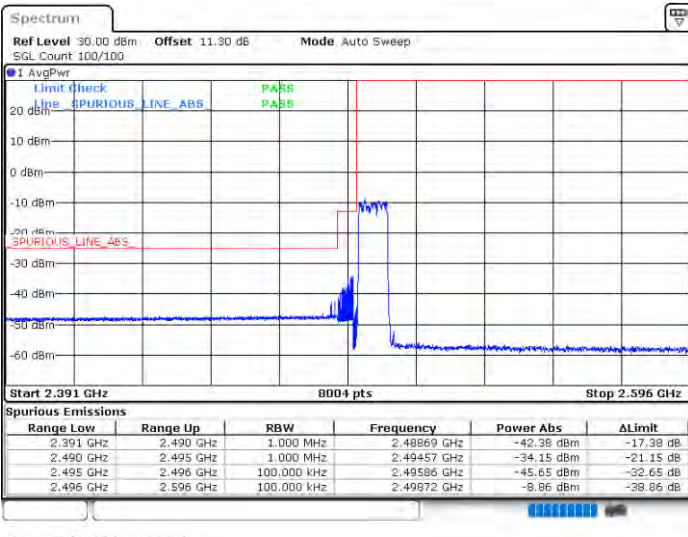
Channel Power < -13dBm Pass



Date: 26-MAR-2021 22:01:07

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



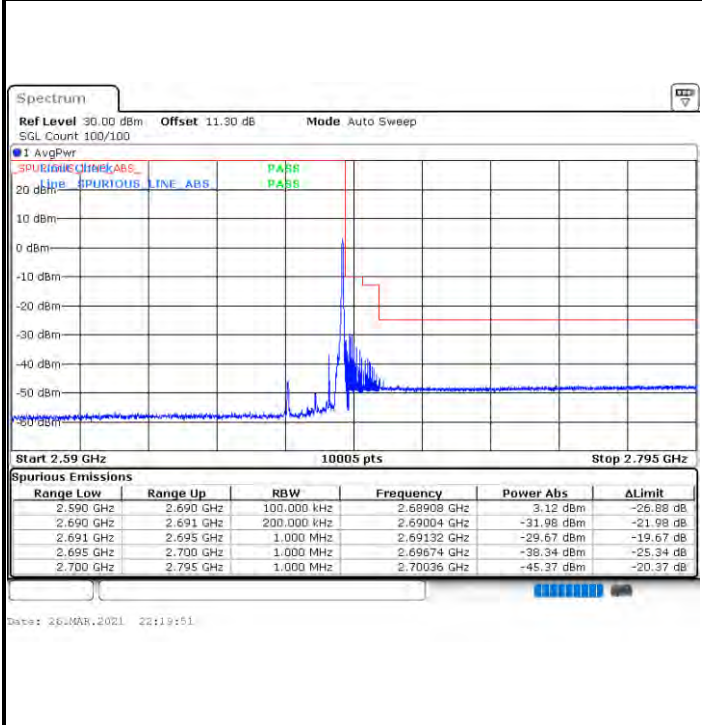
Date: 26-MAR-2021 22:00:44



**FR1 n41+41A / 10MHz / DFT-S OFDM QPSK**

**Highest Band Edge / 1 RB**

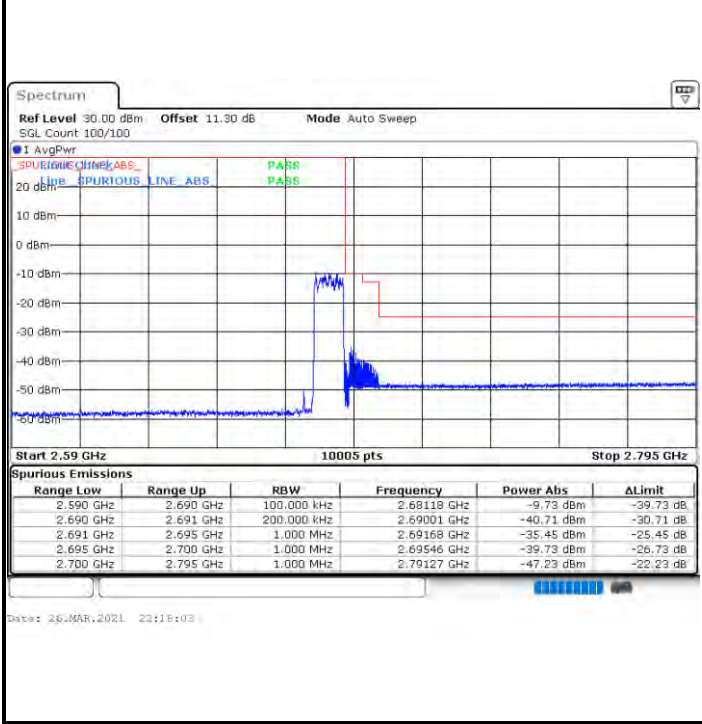
**Channel Power < -13dBm Pass**



/

**Highest Band Edge / Full RB**

**Channel Power < -13dBm Pass**



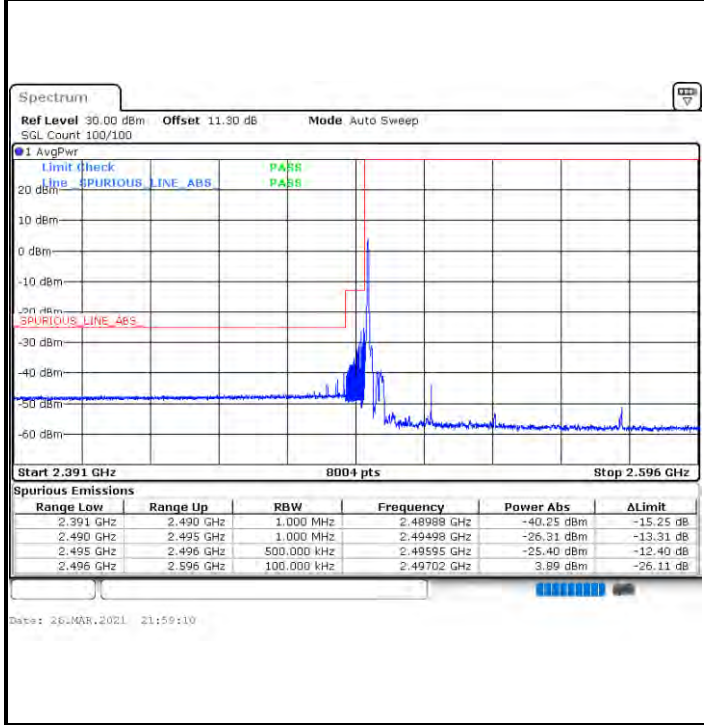
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**FR1 n41+41A / 40MHz / DFT-S OFDM BPSK**

**Lowest Band Edge / 1 RB**

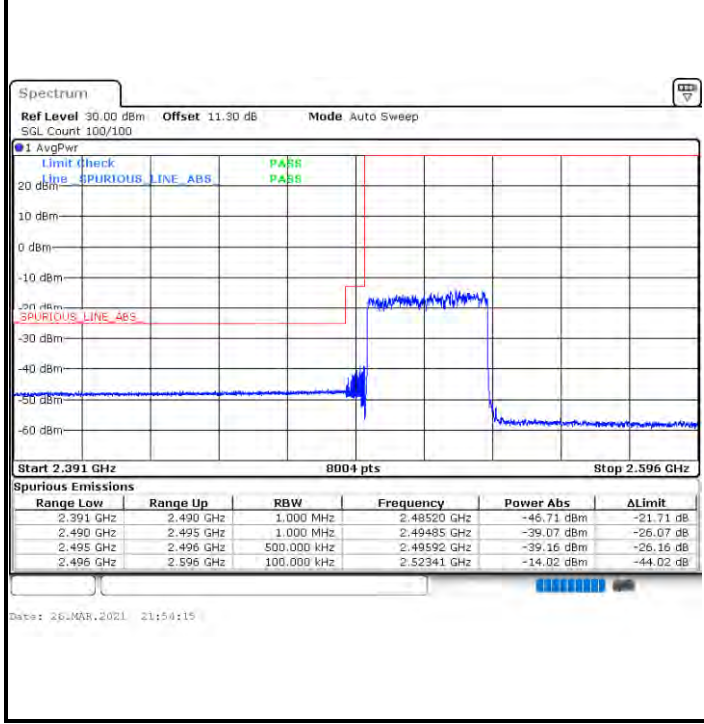
**Channel Power < -13dBm Pass**



/

**Lowest Band Edge / Full RB**

**Channel Power < -13dBm Pass**



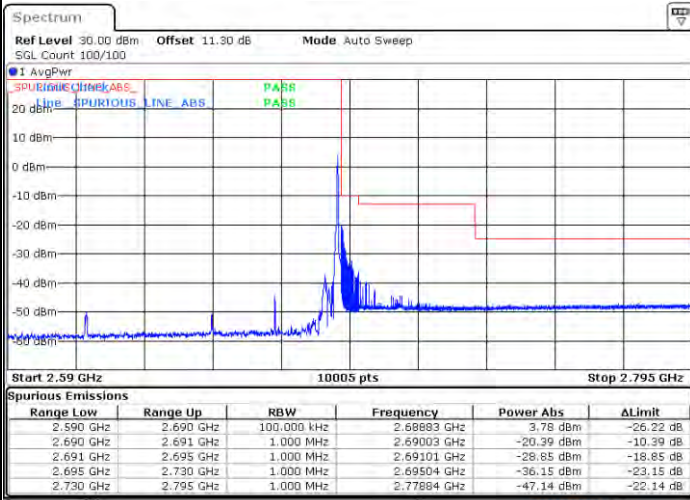
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FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

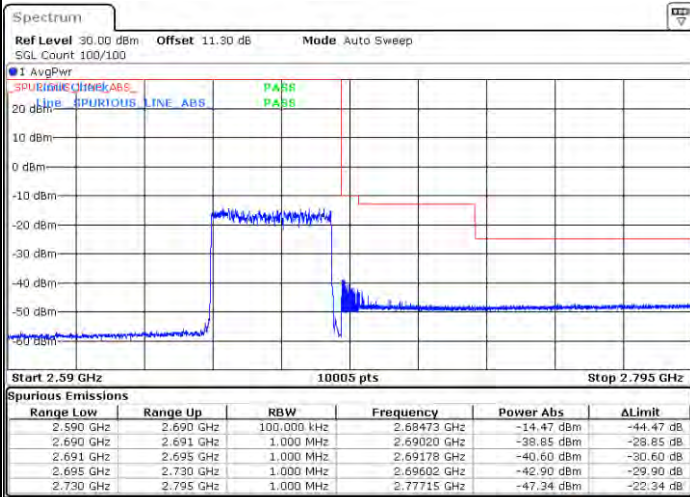
Channel Power < -13dBm Pass



Date: 26-MAR-2021 22:27:43

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



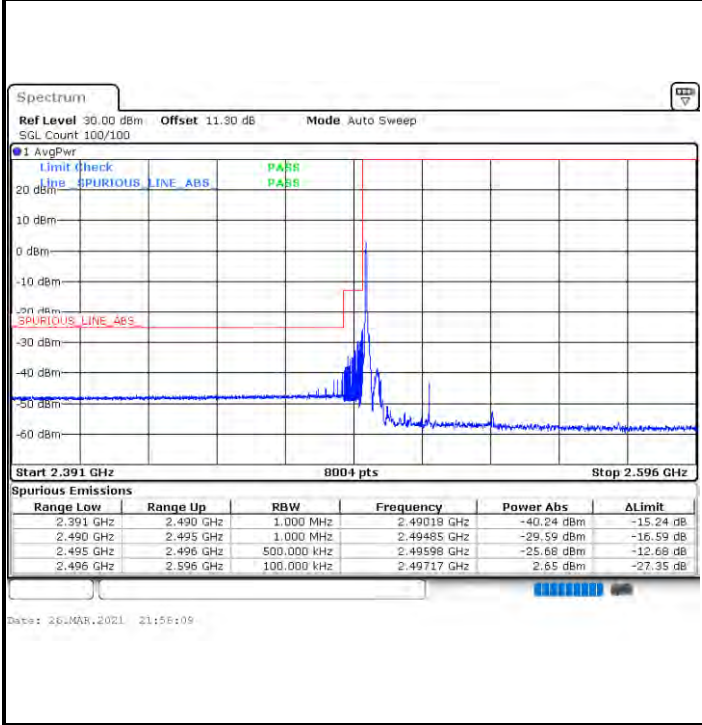
Date: 26-MAR-2021 22:28:02



FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

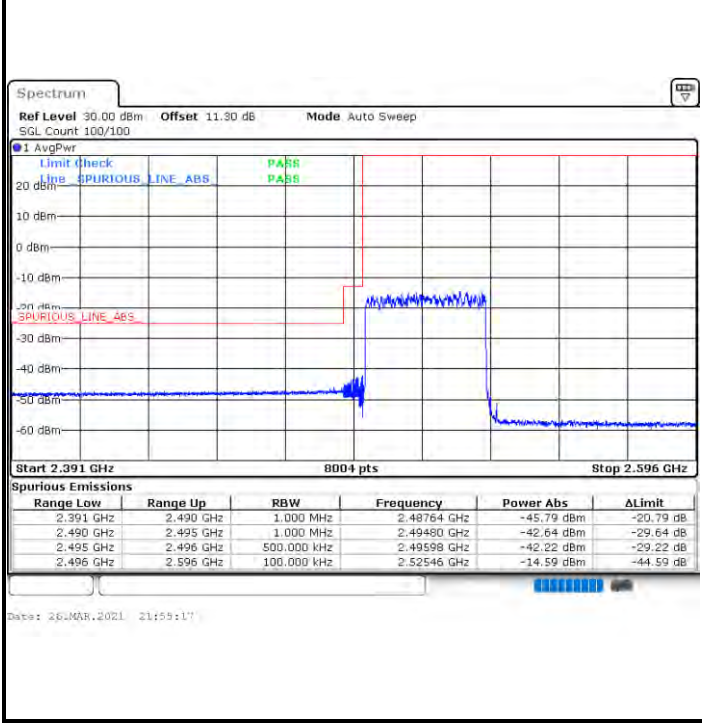
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



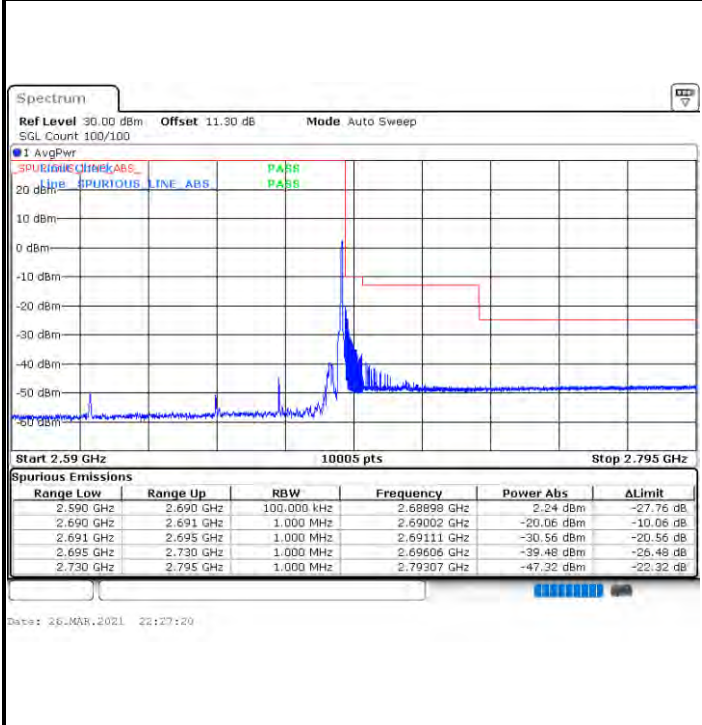
/



**FR1 n41+41A / 40MHz / DFT-S OFDM QPSK**

**Highest Band Edge / 1 RB**

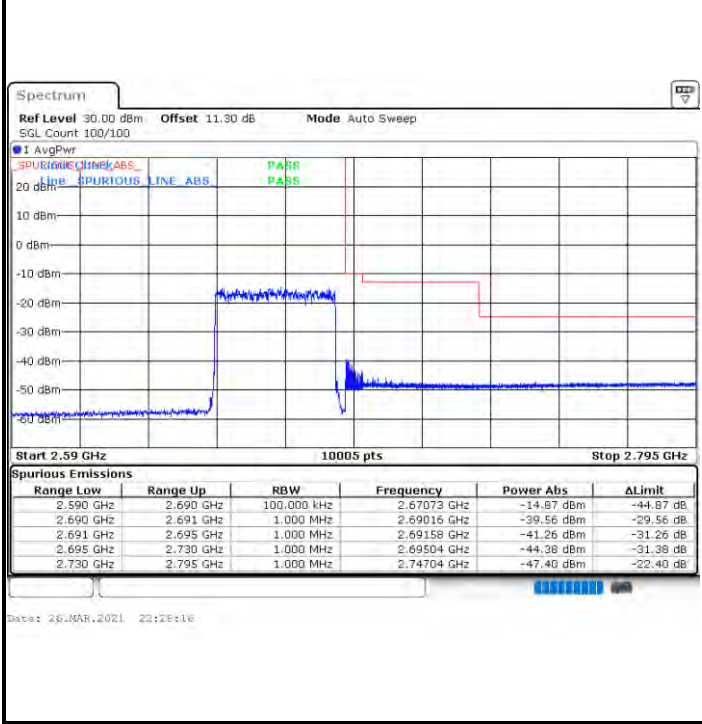
**Channel Power < -13dBm Pass**



/

**Highest Band Edge / Full RB**

**Channel Power < -13dBm Pass**



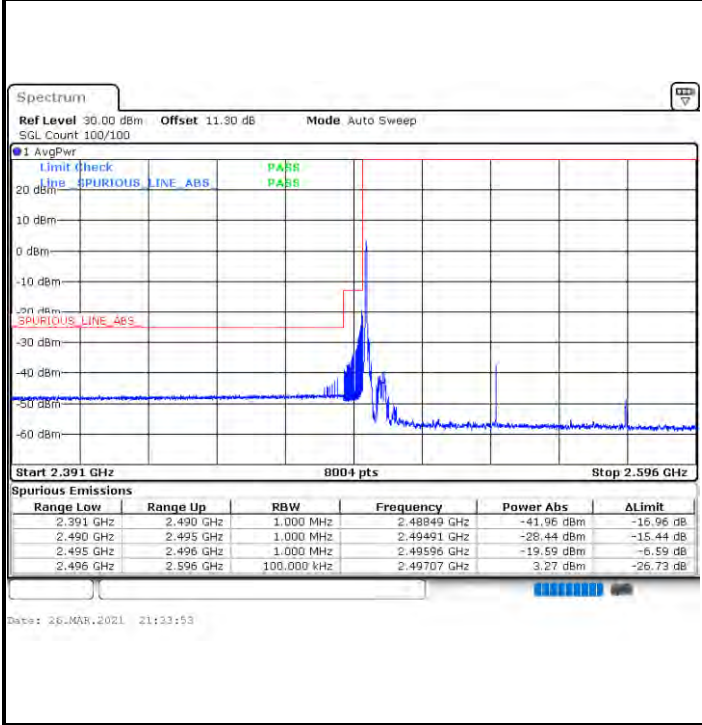
/



FR1 n41+41A / 80MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

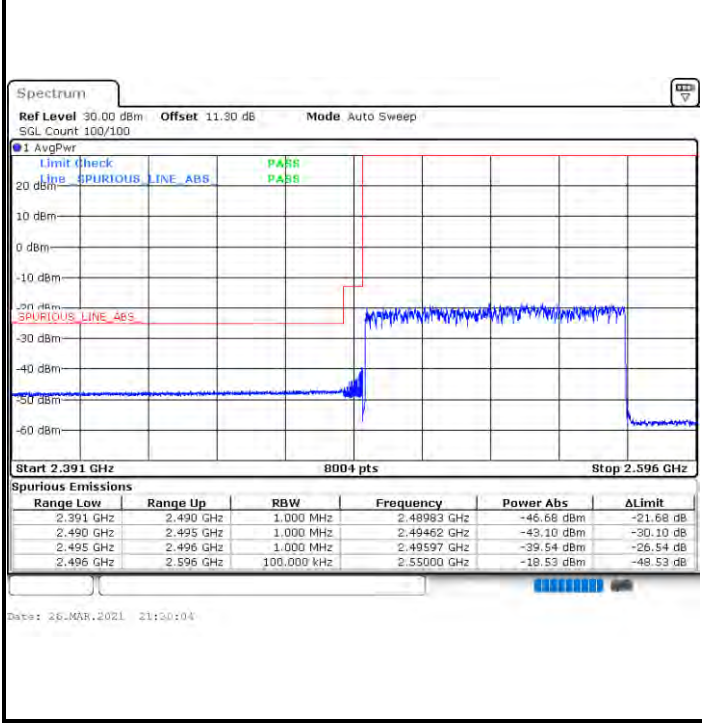
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



/

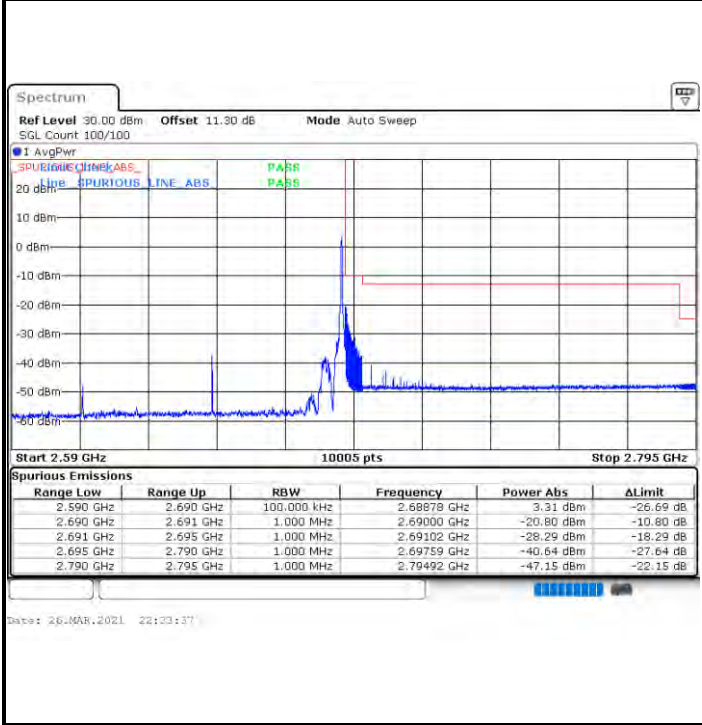




FR1 n41+41A / 80MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

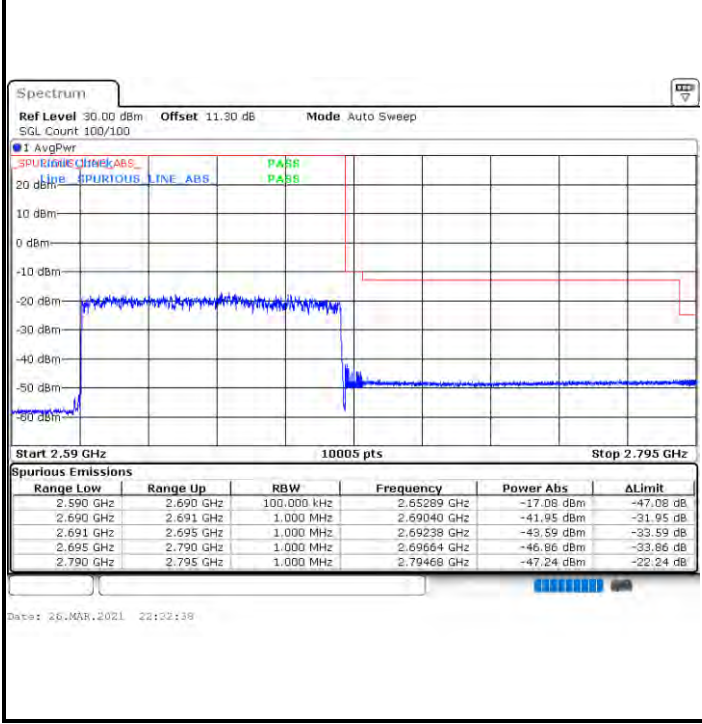
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



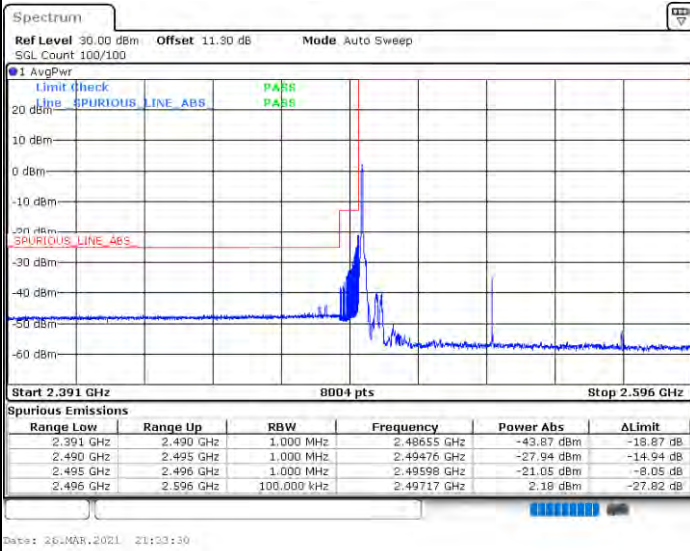
/



FR1 n41+41A / 80MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

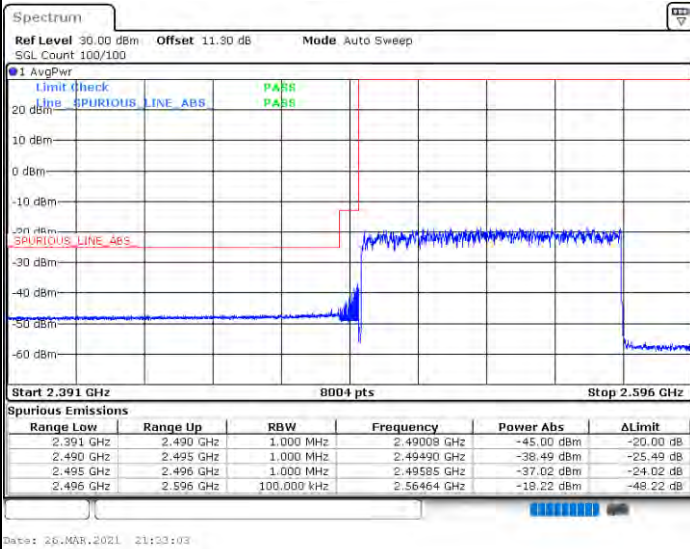
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



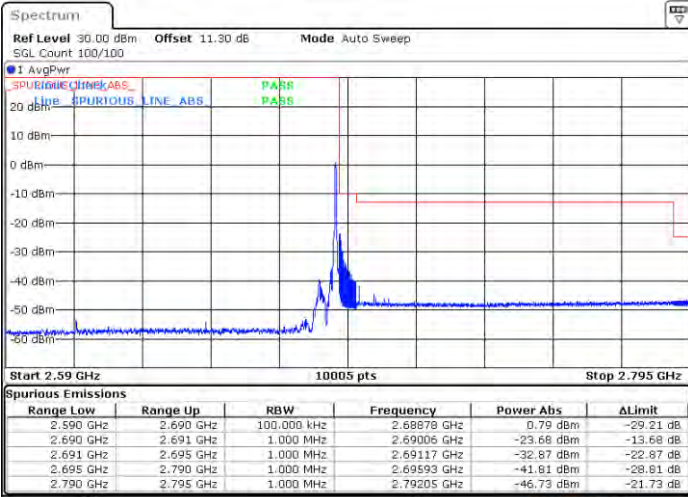
/



FR1 n41+41A / 80MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

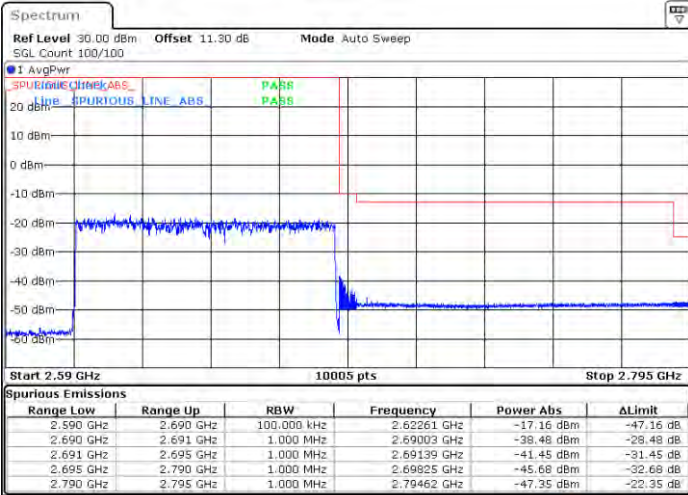
Channel Power < -13dBm Pass



Date: 25.MAR.2021 04:33:59

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 26.MAR.2021 22:31:02

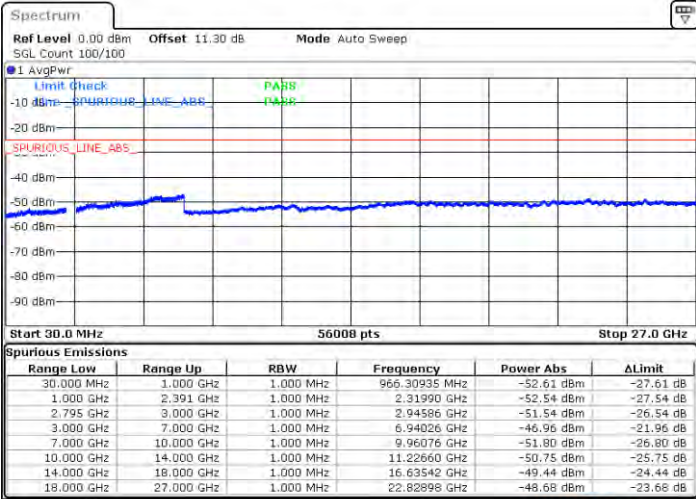


# Conducted Spurious Emission

FR1 n41+41A / 10MHz / DFT-S OFDM / BPSK

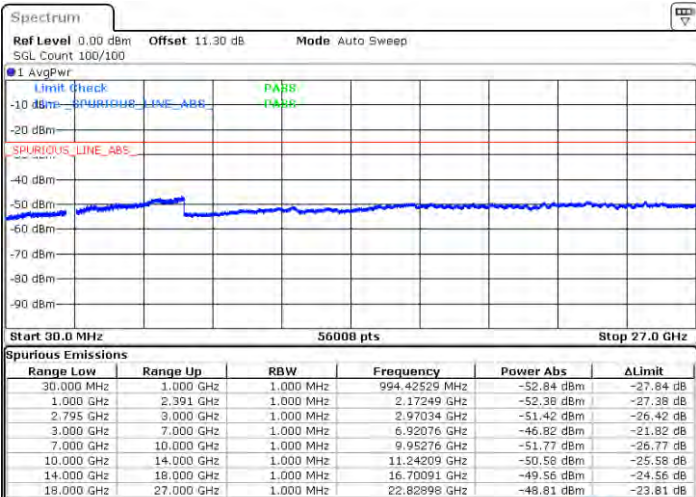
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 22:02:25

Highest Channel / 1RB

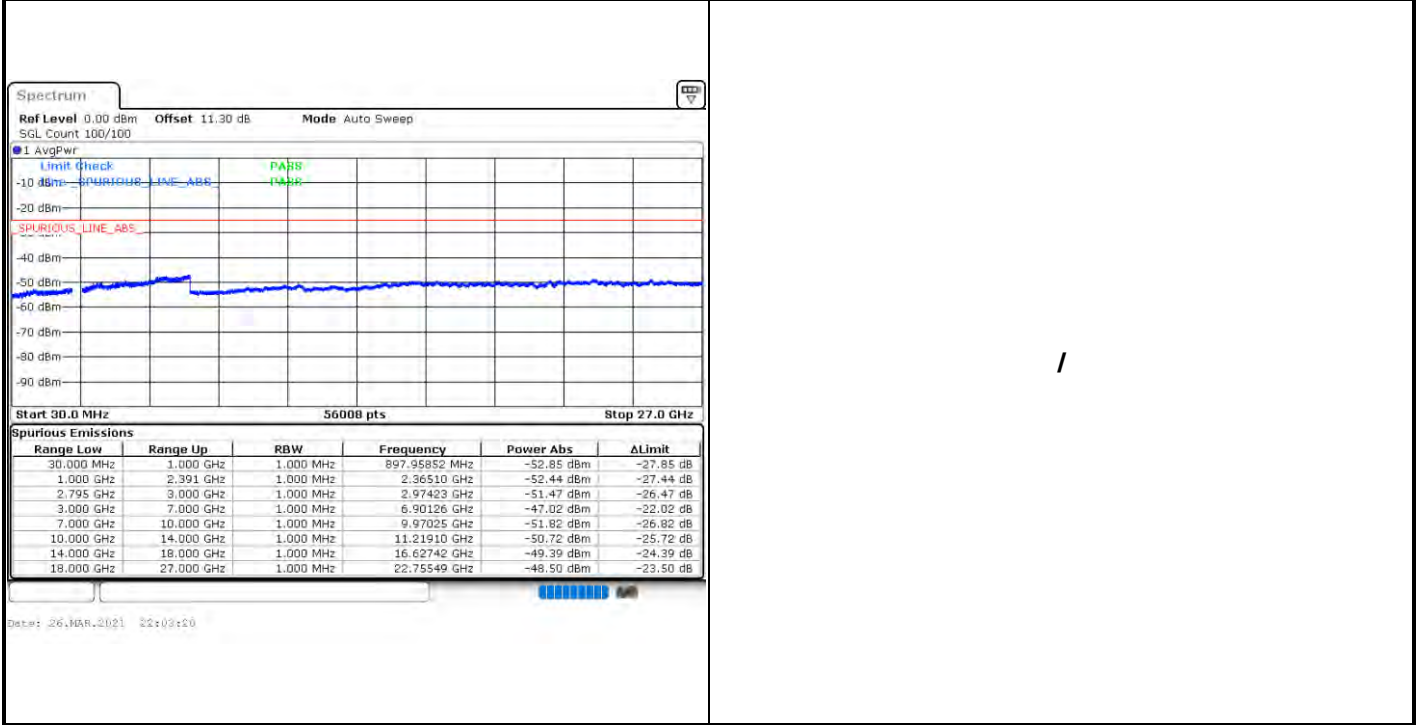


Date: 26.MAR.2021 22:22:07

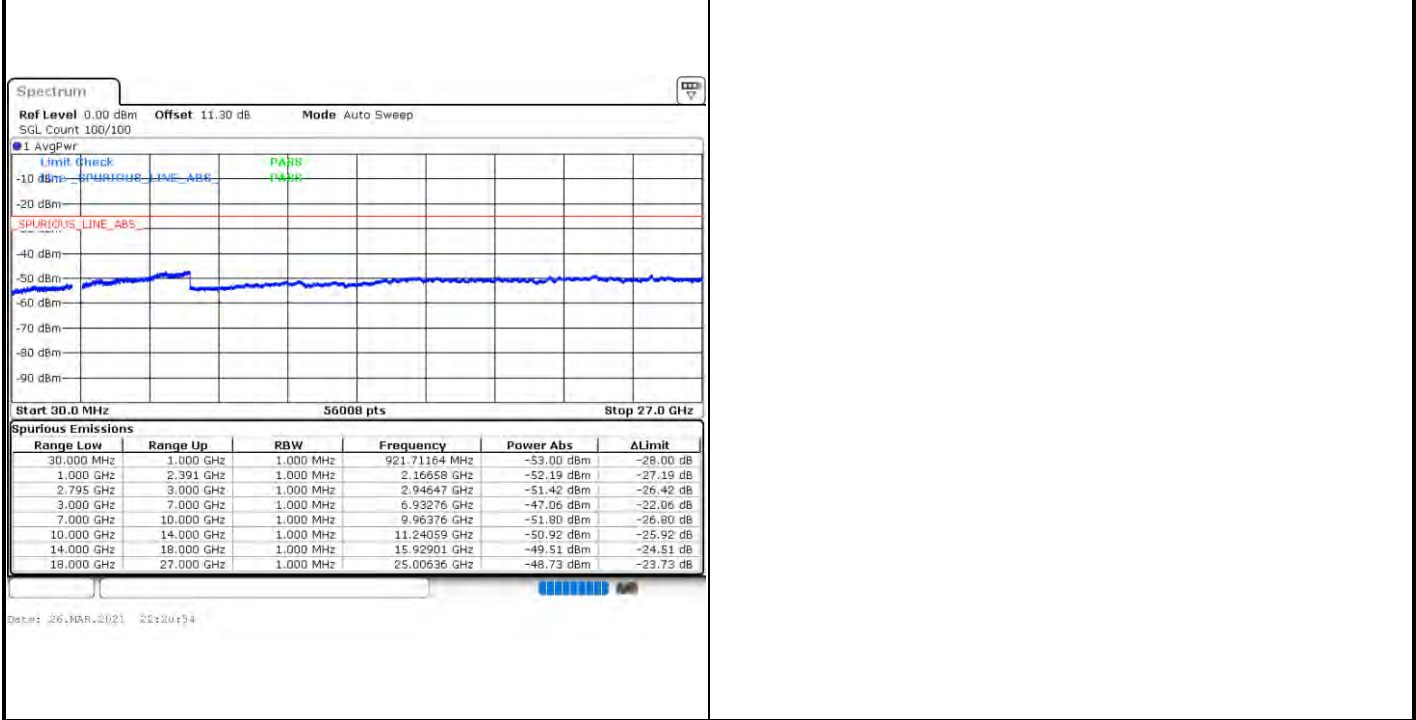


**FR1 n41+41A / 10MHz / DFT-S OFDM / QPSK**

<b>Lowest Channel / 1RB</b>	<b>Middle Channel / 1RB</b>
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**Highest Channel / 1RB**

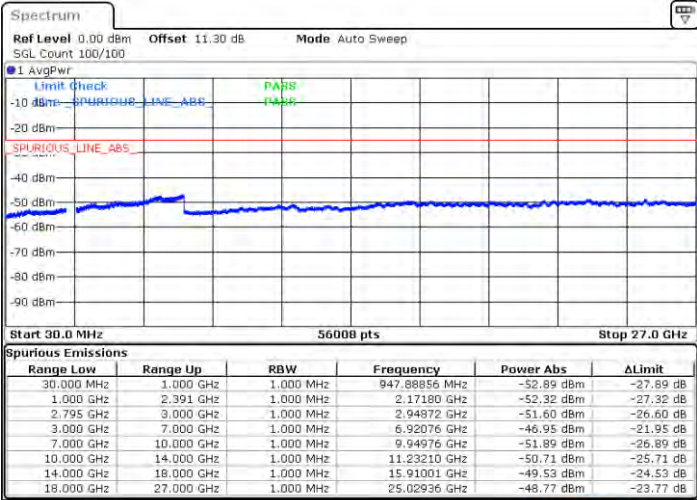




FR1 n41+41A / 40MHz / DFT-S OFDM / BPSK

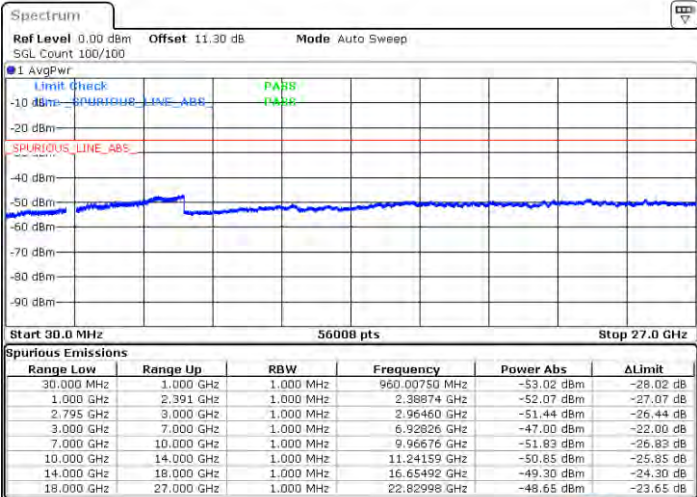
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 21:57:04

Highest Channel / 1RB

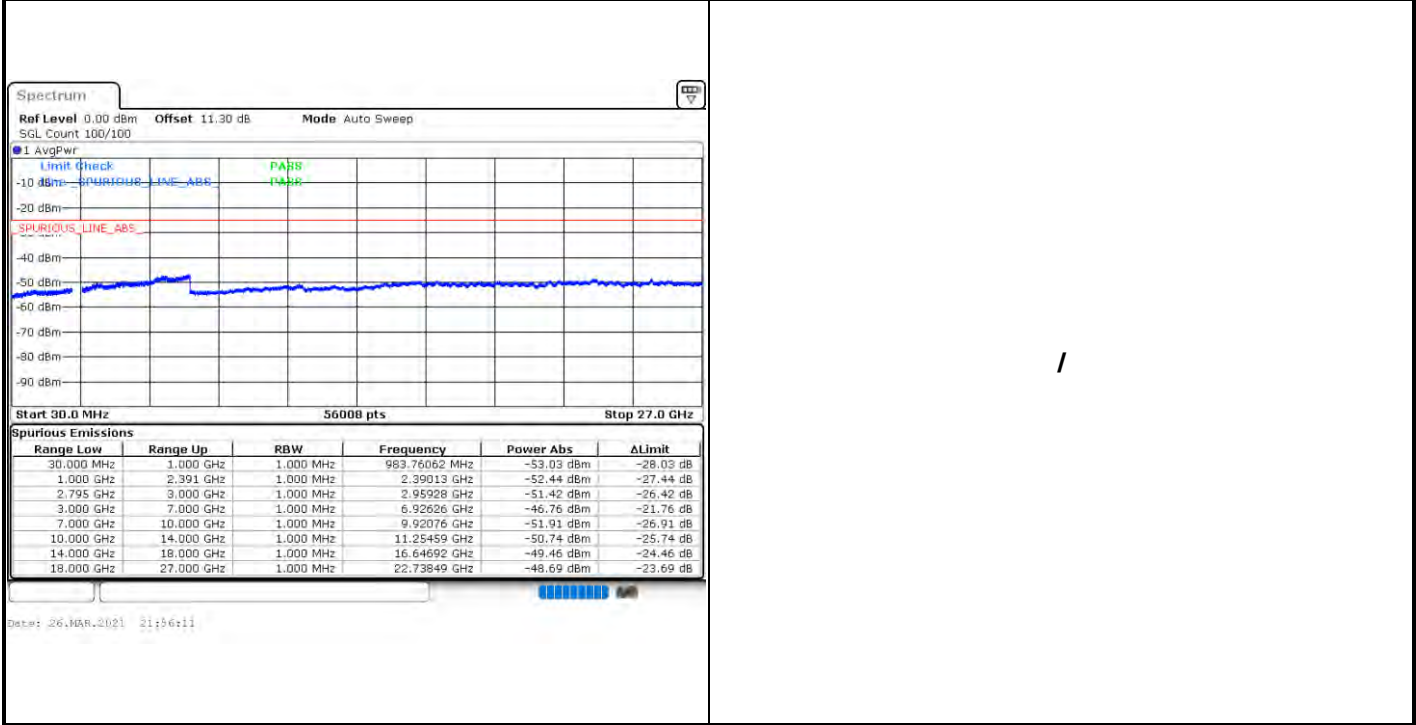


Date: 26.MAR.2021 22:23:40

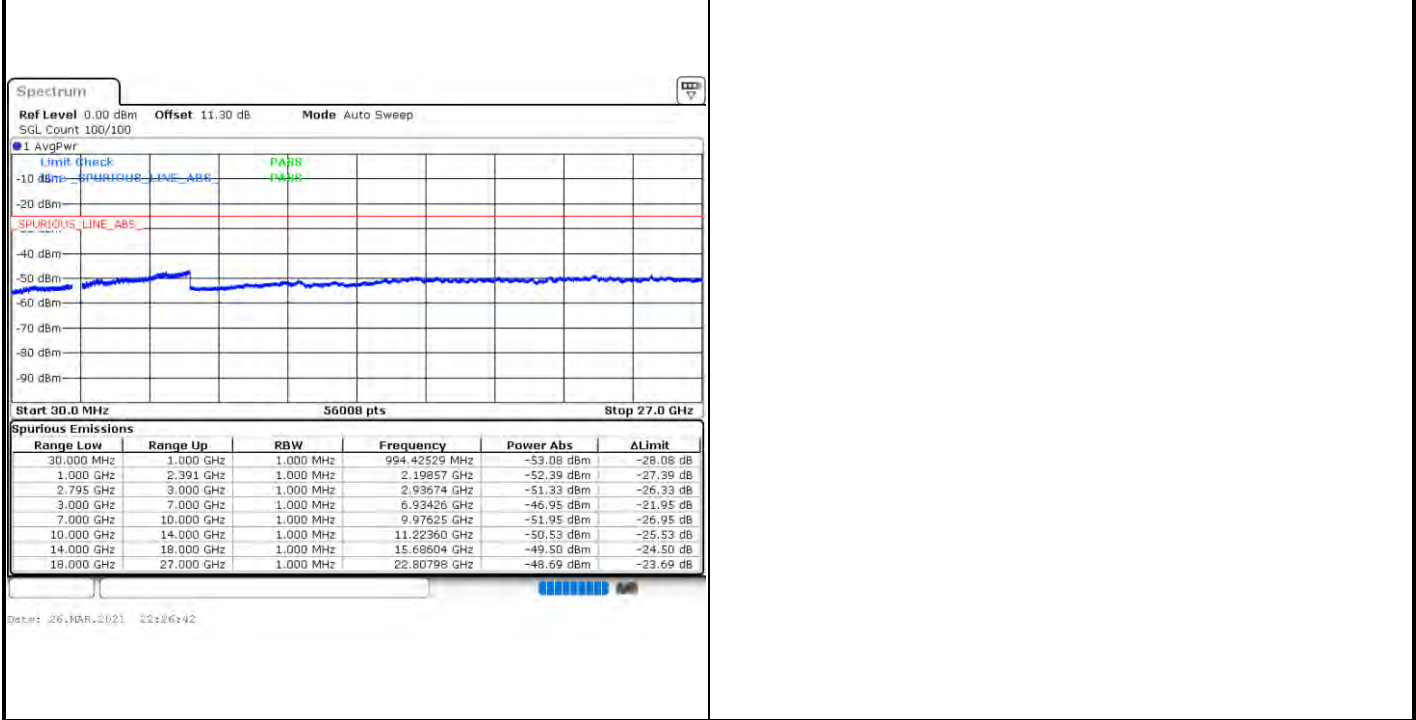


**FR1 n41+41A / 40MHz / DFT-S OFDM / QPSK**

<b>Lowest Channel / 1RB</b>	<b>Middle Channel / 1RB</b>
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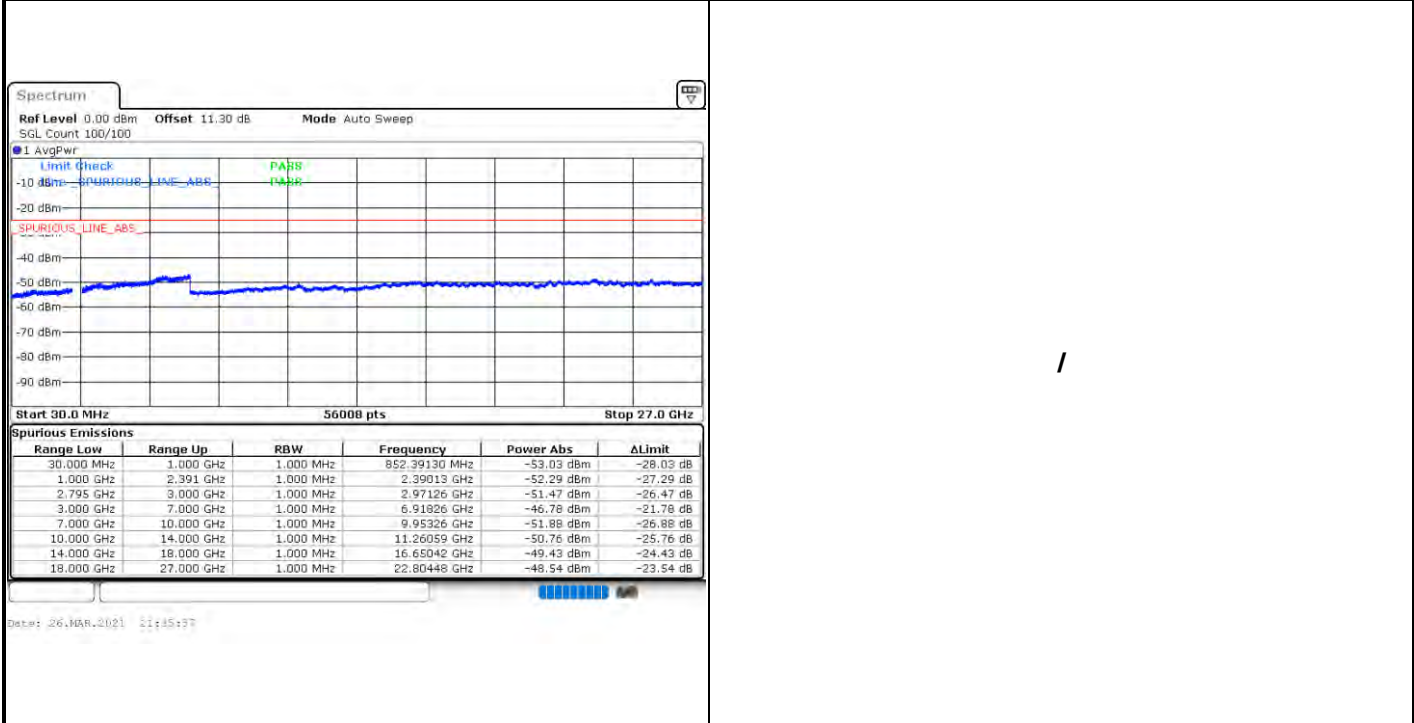
**Highest Channel / 1RB**



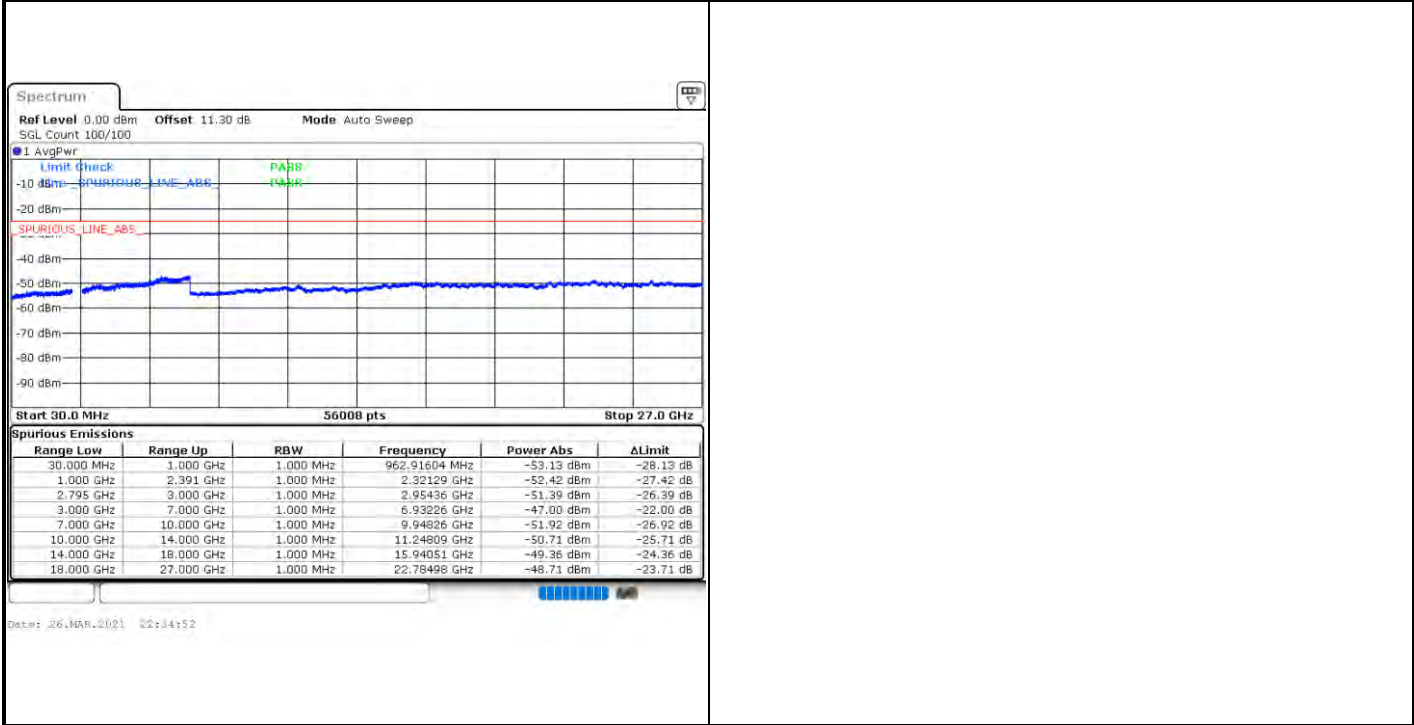


**FR1 n41+41A / 80MHz / DFT-S OFDM / BPSK**

<b>Lowest Channel / 1RB</b>	<b>Middle Channel / 1RB</b>
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**Highest Channel / 1RB**



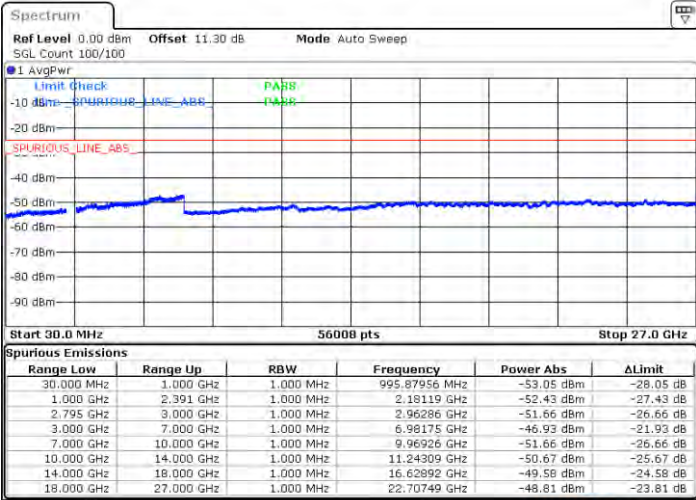




FR1 n41+41A / 80MHz / DFT-S OFDM / QPSK

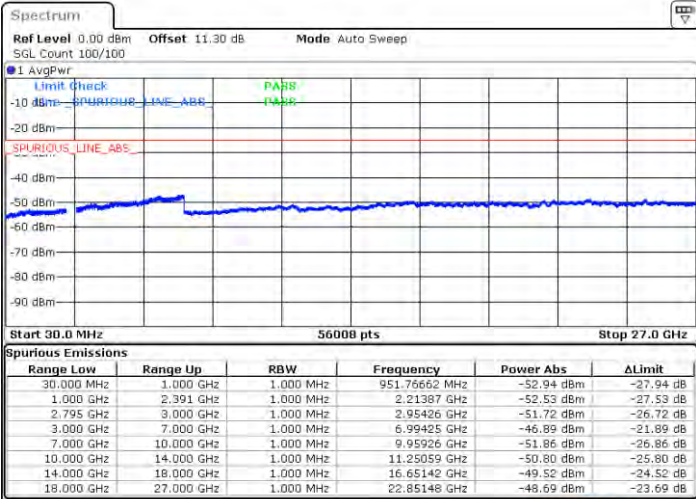
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 22:37:09

Highest Channel / 1RB



Date: 26.MAR.2021 22:36:02



### Frequency Stability

Test Conditions		NR n41+41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0006	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0014	

**Note:**

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# 5G NR n71 SA

## Peak-to-Average Ratio

Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.45	4.12	5.68	5.39	<b>PASS</b>
Middle CH	3.28	3.80	4.84	4.99	
Highest CH	3.62	4.06	5.65	5.22	



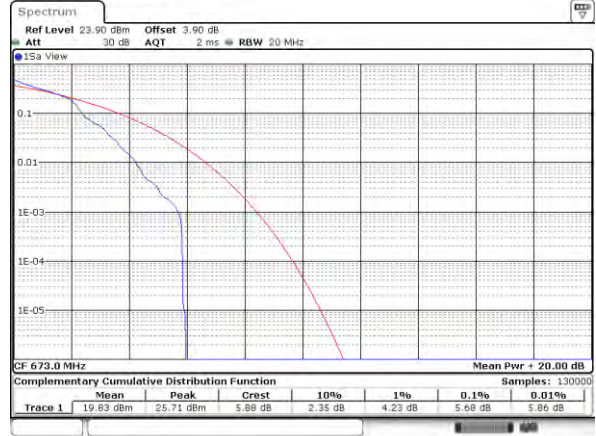
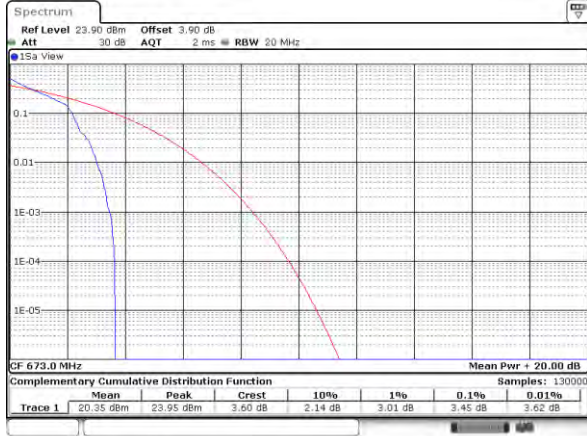
FR1 n71 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

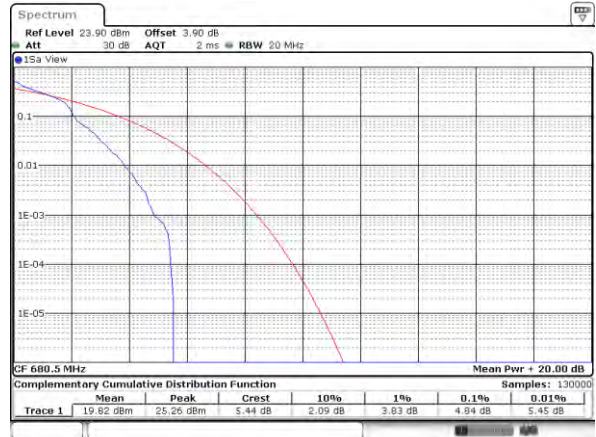
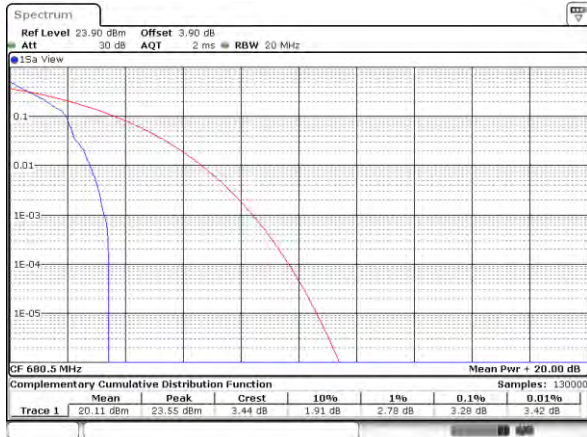
Lowest Channel / 1RB

Lowest Channel / 1RB



Middle Channel / 1 RB

Middle Channel / 1 RB



Highest Channel / 1 RB

Highest Channel / 1 RB

