

EMC Test Data

THE ENGINEER SOCIES						
Client:	Techicolor	Job Number:	JD100835			
Model:	LIAA 100	T-Log Number:	T100900			
	H44-100	Project Manager:	Christine Krebill			
Contact:	Austin Moore	Project Coordinator:	-			
Standard:	FCC 15.247	Class:	N/A			

Maximum Permissible Exposure

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 3/10/2016 Test Engineer: Mark Hill

General Test Configuration

Calculation uses the free space transmission formula:

 $S = (PG)/(4 \pi d^2)$

Where: S is power density (W/m²), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

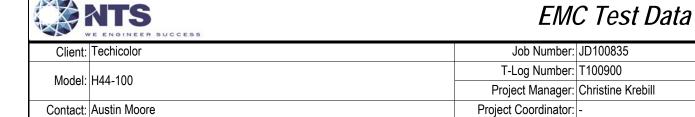
Device complies with Power Density requirements at 20cm separation:	es
30paration.	

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.



FCC MPE Calculation

Standard: FCC 15.247

FUU	MPE	Calculation	
Heo.		General	

Use:	General									
Band	Mode	Output Power		Antenna EIRP		Channels	Channels	Total EIRP		
		Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 -	RF4CE	4.5	-	3.0	7.5	0.006	3	1		
2483.5										
2401 -	I (:(:K	_	22.1	3.1	25.2	0.331	11		0.006	7.50
2483.5	OOK		<i>LL</i> .1	0.1	20.2	0.001		1 0		
2401 -	OFDM	_	23.5	3.1	26.6	0.457	11			
2483.5	OI DIVI	-	20.0	5.1	20.0	0.437				
5150 -	OFDM	_	21.8	2.88	24.7	0.294	4	0	0.000	
5250	OFDIVI	-	21.0	2.00	24.7	0.234	4	U	0.000	-
5250 -	OFDM		21.5	2.88	24.4	0.274	4	0	0.000	
5350	OFDM	-	21.0	2.00	24.4	0.274	4	U	0.000	-
5470 -	OFDM		04.7	3.6	25.3	0.227	11	0	0.000	
5725	OFDM	-	21.7	3.0	25.3	0.337	11	0	0.000	-
5725 -	OFDM		22.0	4.6	26.6	0.455	5	1	0.455	26.58
5850	OFDM	-	22.0	4.0	20.0	0.400	5		0.400	20.50
							Totals:	2	0.461	26.63

Power Density (S)	MPE Limit
at 20 cm	at 20 cm
mW/cm ²	mW/cm ²
0.092	1.000

Class: N/A

Note - output power represents the worse case including production tolerances