



EMC Test Data

Client: Techicolor	Job Number: JD100835
Model: H44-100	T-Log Number: T100900
	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:	Yes
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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.



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FCC MPE Calculation

Use: General

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	RF4CE	4.5	-	3.0	7.5	0.006	3	1	0.006	7.50
2401 - 2483.5	CCK	-	22.1	3.1	25.2	0.331	11	0		
2401 - 2483.5	OFDM	-	23.5	3.1	26.6	0.457				
5150 - 5250	OFDM	-	21.8	2.88	24.7	0.294	4	0	0.000	-
5250 - 5350	OFDM	-	21.5	2.88	24.4	0.274	4	0	0.000	-
5470 - 5725	OFDM	-	21.7	3.6	25.3	0.337	11	0	0.000	-
5725 - 5850	OFDM	-	22.0	4.6	26.6	0.455	5	1	0.455	26.58
Totals:								2	0.461	26.63

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

Note - output power represents the worse case including production tolerances