

Client: Tivo	Job Number: J90461
Model: TCD846500	T-Log Number: T90833
	Project Manager: Sheareen Jacobs
Contact: Jim Inokuchi	Project Coordinator: -
Standard: FCC Part 15B	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: 7/5/2013

Test Engineer: David Bare

General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (W/m^2), 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, 13.6 cm
If not, required separation distance (in cm):	-

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.



EMC Test Data

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Use: General

Band		Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2412 - 2462	Module	28.3	-	5.3	33.7	2.323	11	1	2.323	33.66
2425 - 2475	EUT	1.6	-	2.0	3.6	0.002	3	1	0.002	3.60
Totals:								2	2.325	33.66

Band		Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2425 - 2475	EUT	1.6	-	2.0	3.6	0.002	3	1	0.002	3.60
5180 - 5240	Module	17.0	-	6.3	23.3	0.214	3	1	0.214	23.30
Totals:								2	0.216	23.35

Band		Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2425 - 2475	EUT	1.6	-	2.0	3.6	0.002	3	1	0.002	3.60
5260 - 5320	Module	18.3	-	6.6	24.9	0.309	3	1	0.309	24.90
Totals:								2	0.311	24.93

Band		Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2425 - 2475	EUT	1.6	-	2.0	3.6	0.002	3	1	0.002	3.60
5500 - 5700	Module	18.1	-	6.7	24.8	0.302	3	1	0.302	24.80
Totals:								2	0.304	24.83



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Band		Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2425 - 2475	EUT	1.6	-	2.0	3.6	0.002	3	1	0.002	3.60
5725 - 5850	Module	25.9	-	6.4	32.3	1.698	5	1	1.698	32.30
Totals:								2	1.701	32.31

Maximum From Above	Power Density at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²	Distance where S <= MPE Limit cm
	0.463	1.000	13.6cm