

Client:	Topcon Positioning Systems	Job Number:	J90758
Model:	HiPer GA	T-Log Number:	T88703
Contact:	Ferdinand Riodique	Account Manager:	Deepa Shetty
Standard:	FCC Part 90	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: 2/20/2013

Test Engineer: Deniz Demirci

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.

Use: General

Antenna: 2.5dBi

For 300-1500 MHz single transmitters

Freq. MHz	EUT Power		Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²
	dBm	mW*						
410.0000	28.40	691.8	0	2.5	28.4	1230.27	0.245	0.273
450.0125	28.74	748.2	0	2.5	28.7	1330.45	0.265	0.300
469.9875	28.72	744.7	0	2.5	28.7	1324.34	0.263	0.313