Client:	Xirrus	Job Number:	JD100919
Model:	XR-520H	T-Log Number:	T101155
		Project Manager:	Christine Krebill
Contact:	Paul Zahara	Project Coordinator:	-
Standard:	FCC 15.407	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

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: 5/11/2016

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/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 26cm separation:	Yes

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.

Notes

Power values pulled from original (4/16/2014) MPE exhibit (worse case EIRP combination) and C2PC (6/17/2015) MPE exhibit

Assessment distance of 26cm from user's manual

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FCC MPE Calculation

Use: General

Individual module operation

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 26 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
2400 - 2483.5	26.2	416.9	0	9.8	26.2	3981.07	0.469	1.000
5150 - 5250	14.1	25.8	0	8.8	14.1	195.88	0.023	1.000
5250 - 5350	22.2	167.5	0	8.8	22.2	1270.57	0.150	1.000
5470 - 5725	23.5	221.3	0	8.8	23.5	1678.80	0.198	1.000
5725 - 5850	27.2	524.8	0	8.8	27.2	3981.07	0.469	1.000

Simultaneous operation

Freq. MHz	% of limit	Total % of limit
2400 - 2483.5	46.9%	93.7%
5725 - 5850	46.9%	