Appendix A

RF Test Data for BT V5.0 (BLE) (Conducted Measurement)

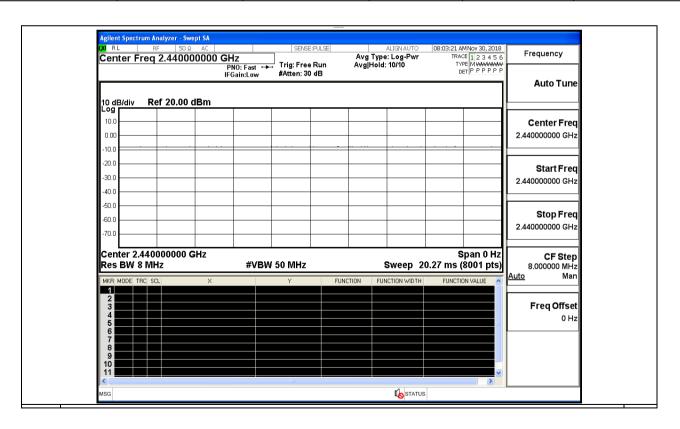
Product Name: Steplight Trade Mark: RING Test Model: 5LD1S8

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond.Lu
Supervised by:	Jayden.Zhuo

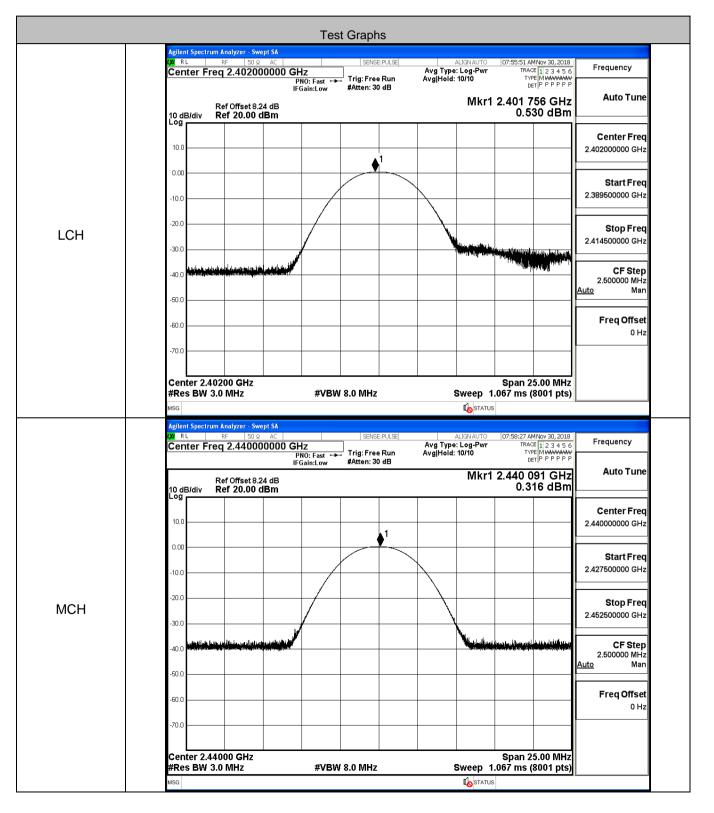
A.1 Duty Cycle

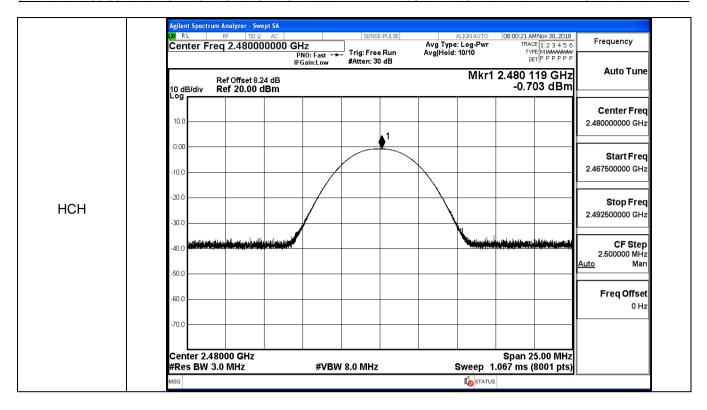
Test Mode	Data Rate	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	1M	2440	Ant1	100	PASS



A.2 Maximum Conducted Peak Output Power

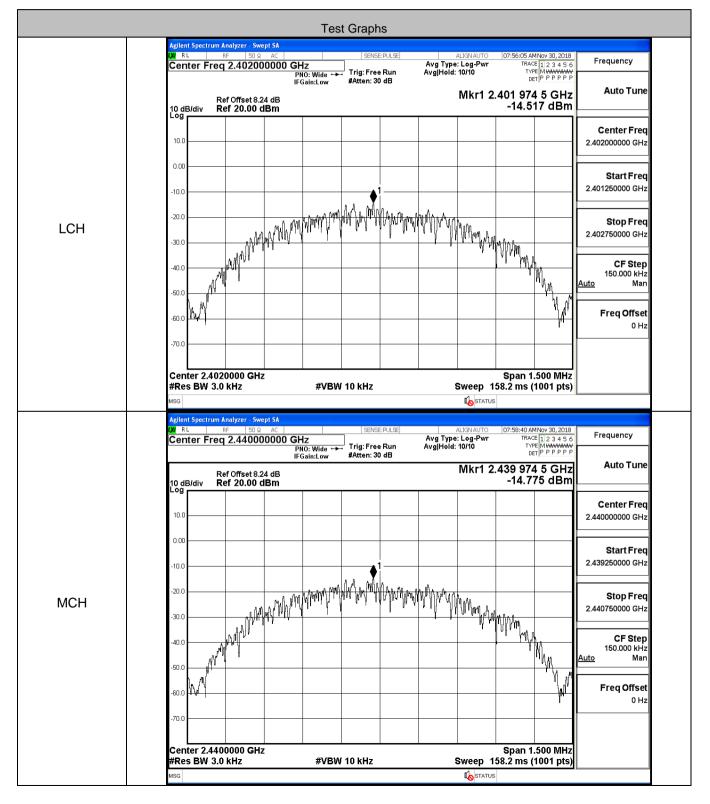
Mode	Data Rate	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	1M	LCH	0.530	30	PASS
BT LE	1M	MCH	0.316	30	PASS
BT LE	1M	HCH	-0.703	30	PASS



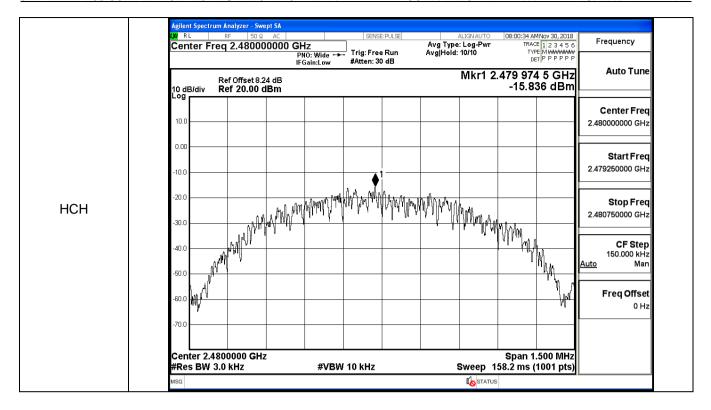


A.3 Maximum Power Spectral Density

Mode	Data Rate	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	1M	LCH	-14.517	8	PASS
BT LE	1M	MCH	-14.775	8	PASS
BT LE	1M	НСН	-15.836	8	PASS



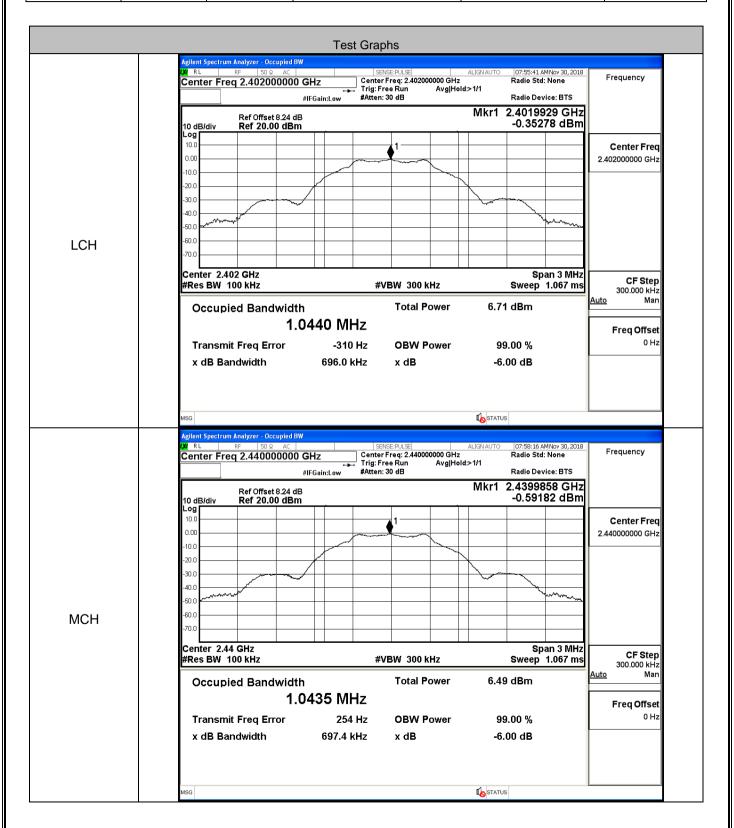
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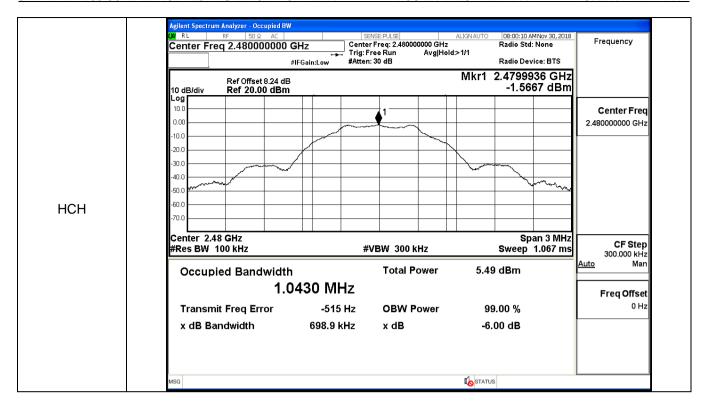


FCC ID: 2AEUPBHADB001

A.4 6dB Bandwidth

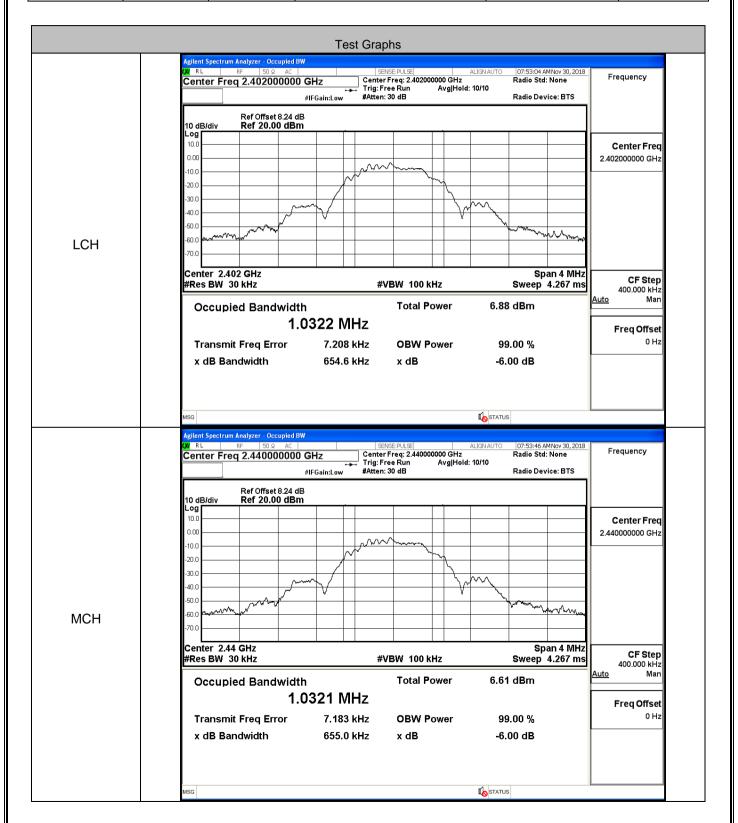
Mode	Data Rate	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict	
BT LE	1M	LCH	0.6960	≥0.5	PASS	
BT LE	1M	MCH	0.6974	≥0.5	PASS	
BT LE	1M	HCH	0.6989	≥0.5	PASS	

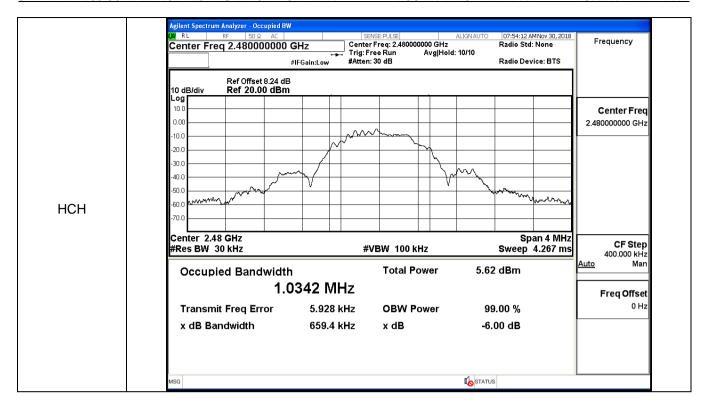




A.5 Occupied Bandwidth

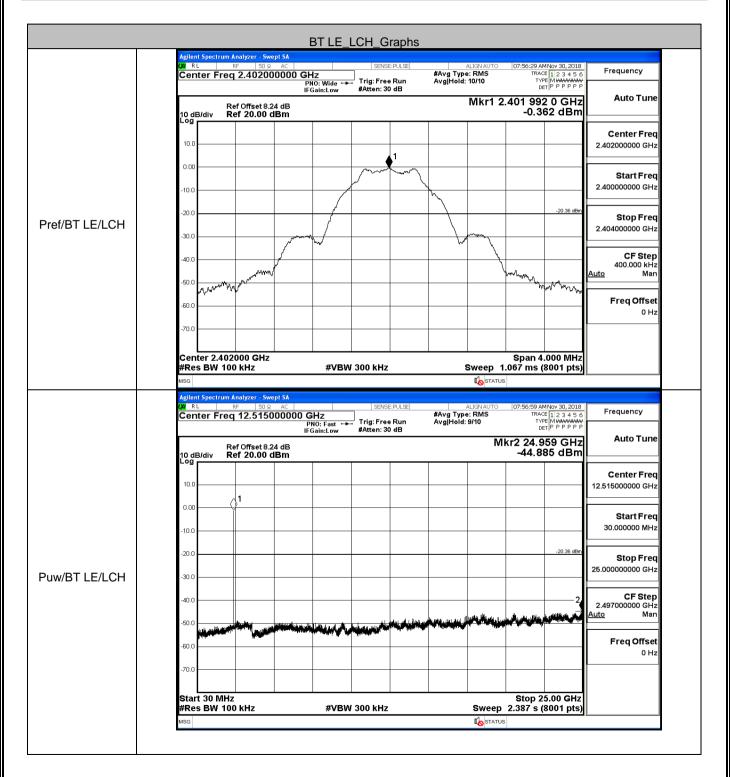
Mode	Data Rate	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	1M	LCH	1.0322	No Limit	PASS
BT LE	1M	MCH	1.0321	No Limit	PASS
BT LE	1M	HCH	1.0342	No Limit	PASS

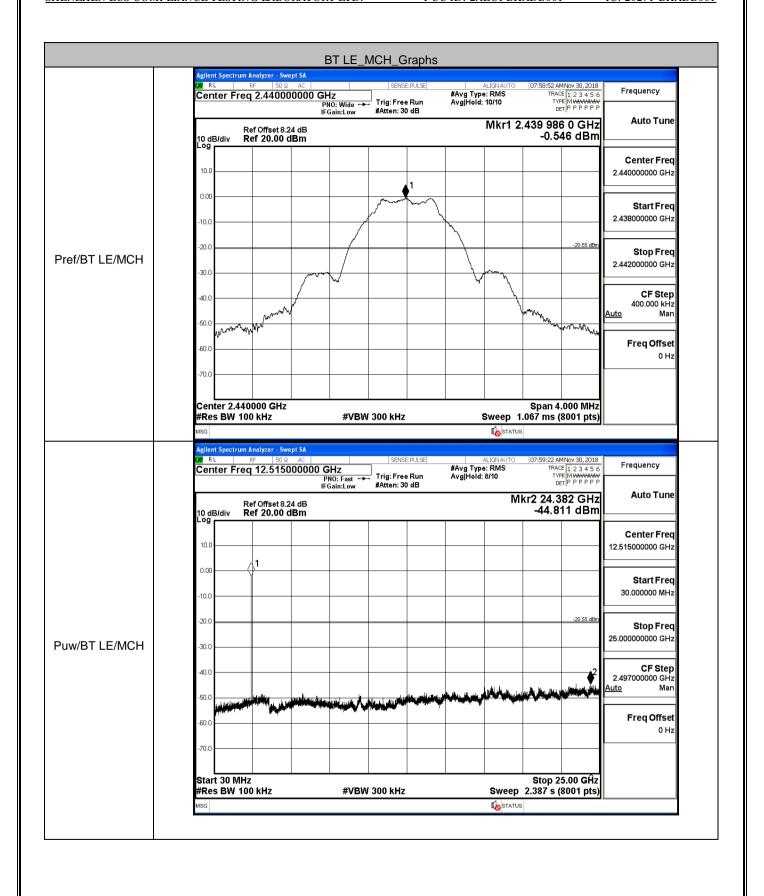


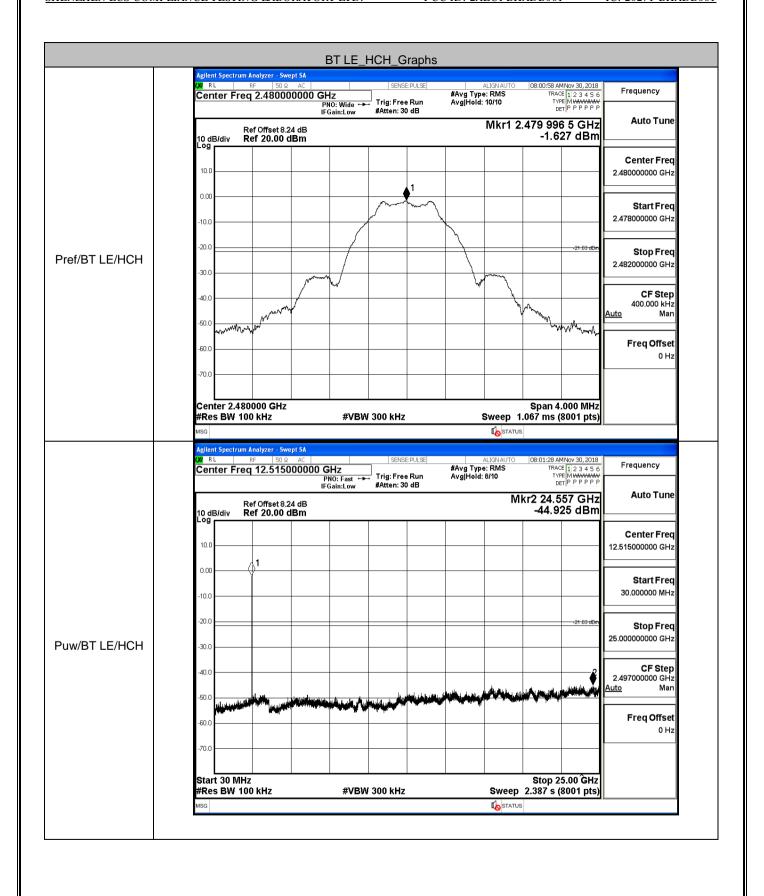


A.6 RF Conducted Spurious Emissions

Mode	Data Rate	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	1M	LCH	-0.362	-44.885	-20.362	PASS
BT LE	1M	MCH	-0.546	-44.811	-20.546	PASS
BT LE	1M	НСН	-1.627	-44.925	-21.627	PASS

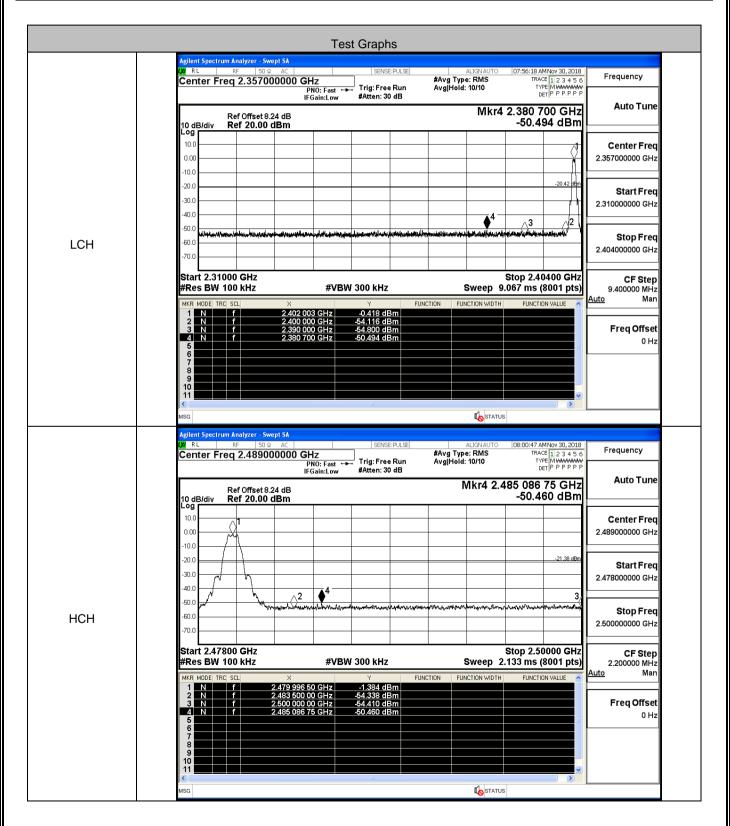






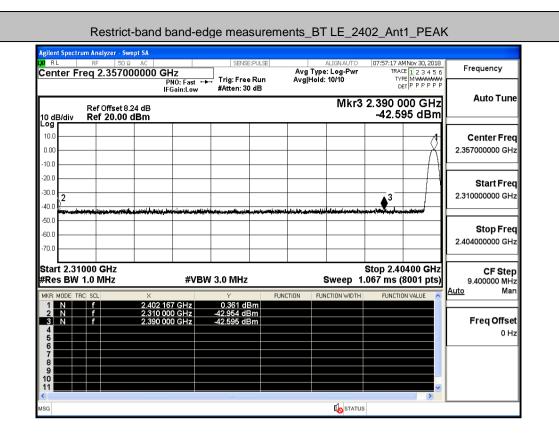
A.7 Band-edge for RF Conducted Emissions

Mode	Data Rate	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	1M	LCH	-0.418	-50.494	-20.42	PASS
BT LE	1M	HCH	-1.384	-50.460	-21.38	PASS

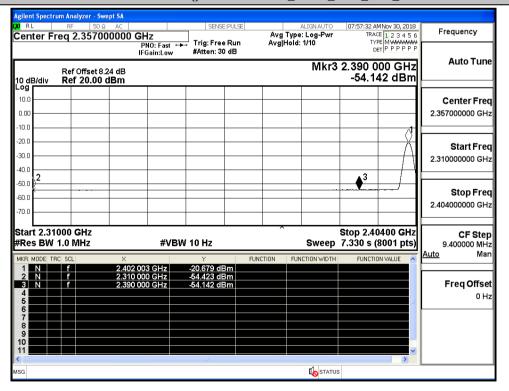


A.8 Restrict-band band-edge measurements

Test Mode	Data Rate	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/ m]	Verdict
			Ant1	2310.0	-42.95	2.0	0	52.30	PEAK	74	PASS
			Ant1	2310.0	-54.42	2.0	0	40.83	AV	54	PASS
	BT LE 1M	2402	Ant1	2390.0	-42.60	2.0	0	52.66	PEAK	74	PASS
			Ant1	2390.0	-54.14	2.0	0	41.12	AV	54	PASS
BT LE		1M	Ant1	2483.5	-43.12	2.0	0	52.14	PEAK	74	PASS
		Ant1	2483.5	-53.89	2.0	0	41.37	AV	54	PASS	
		2480	Ant1	2500.0	-43.80	2.0	0	51.46	PEAK	74	PASS
			Ant1	2500.0	-53.78	2.0	0	41.48	AV	54	PASS

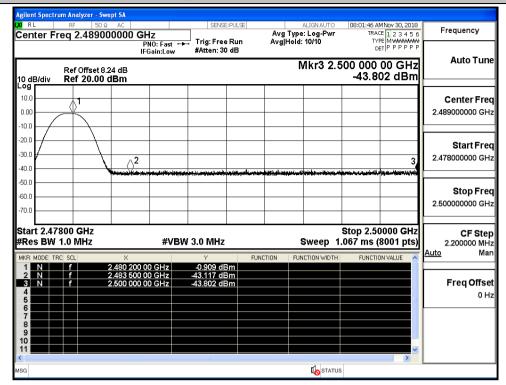


Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



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Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

