

Appendix A

RF Test Data for BT V4.0(BT LE) (Conducted Measurement)

Product Name: Circular pendent lamp

Trade Mark: Menu

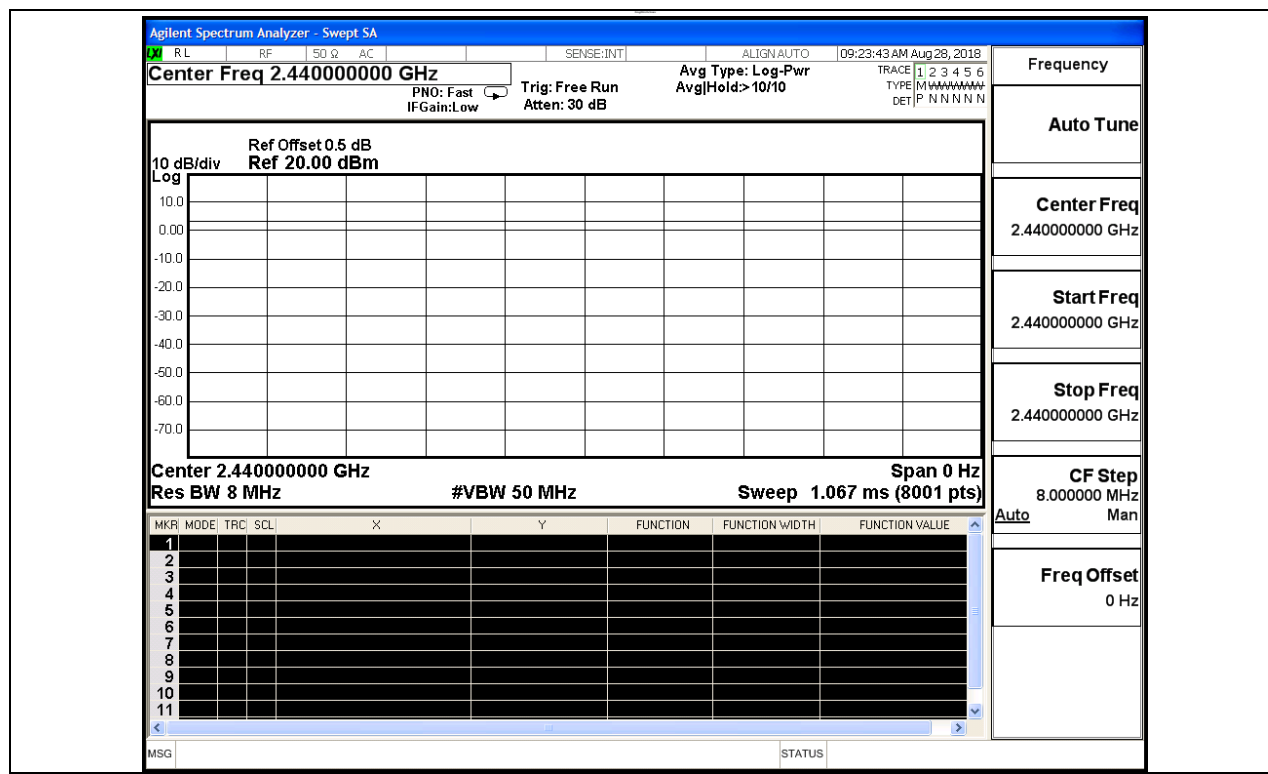
Test Model: 1680539

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	53.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

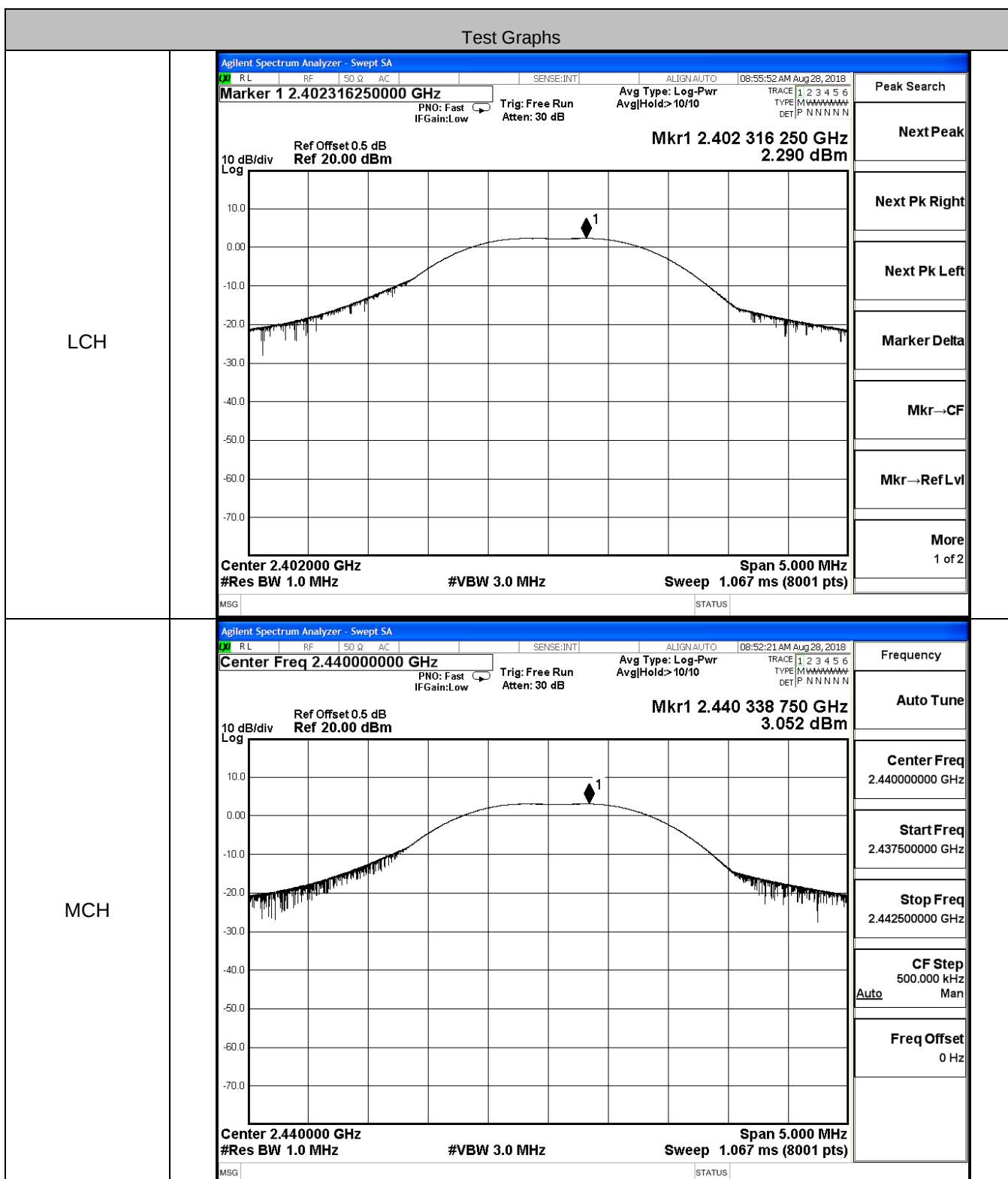
B.1 Duty Cycle

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

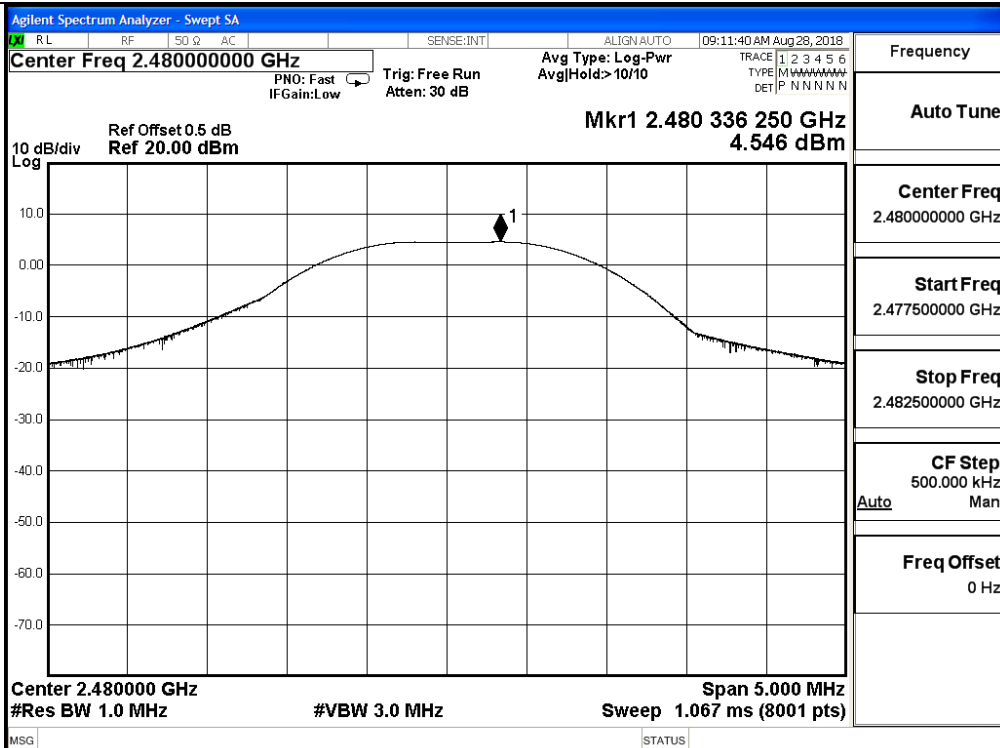


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.290	30	PASS
BT LE	MCH	3.052	30	PASS
BT LE	HCH	4.546	30	PASS



HCH

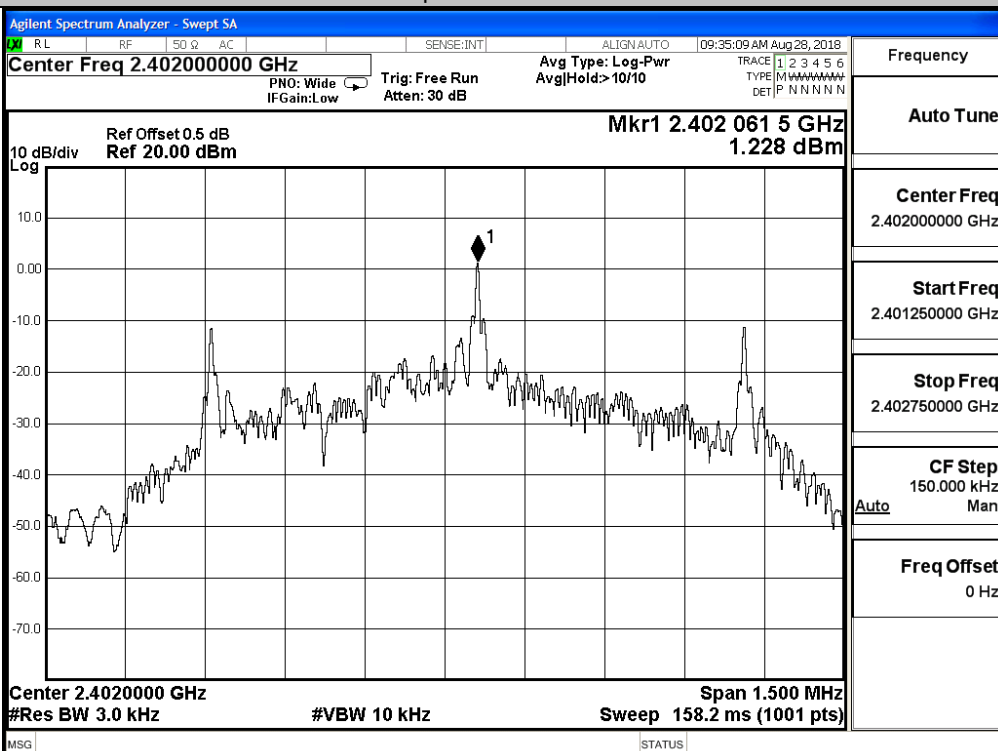


B.3 Maximum Power Spectral Density

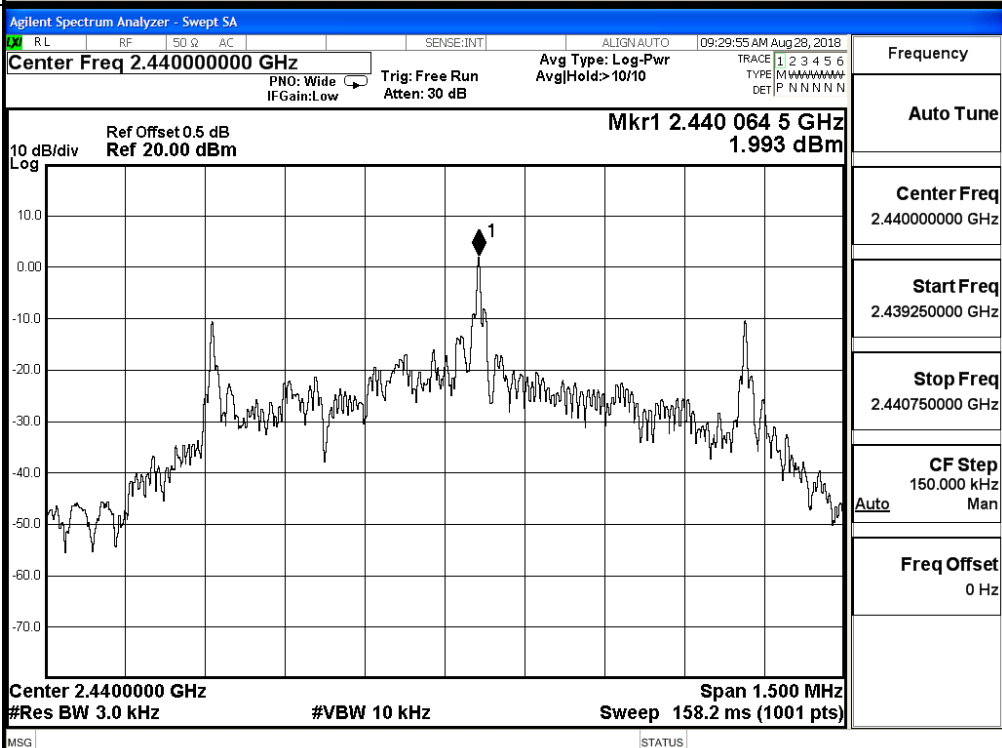
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	1.228	8	PASS
BT LE	MCH	1.993	8	PASS
BT LE	HCH	3.498	8	PASS

Test Graphs

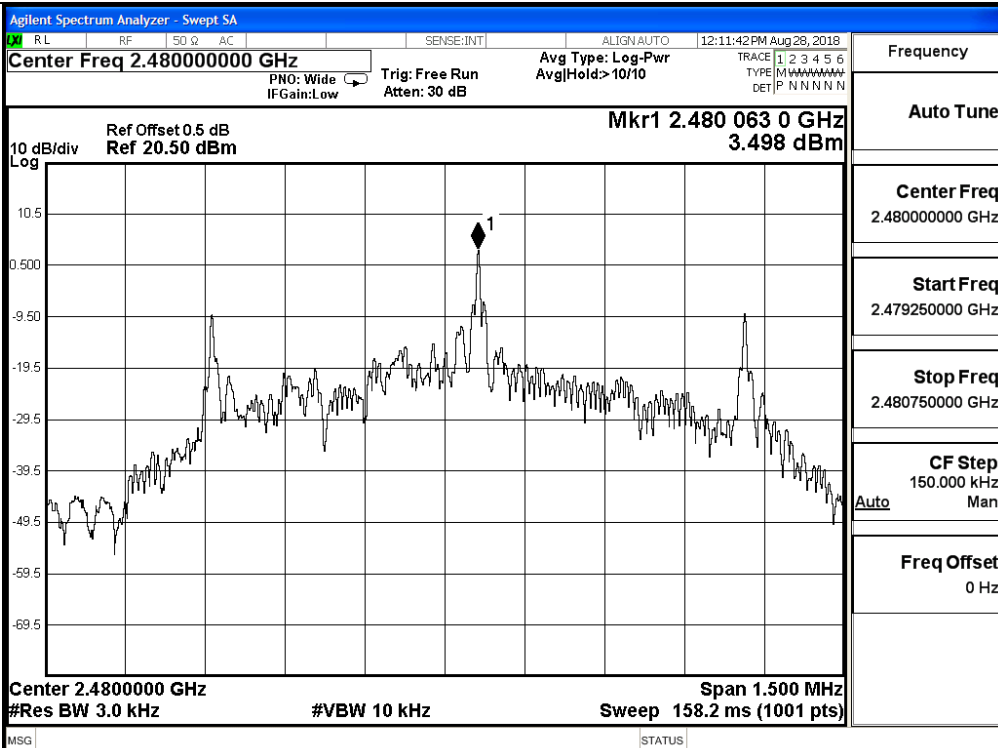
LCH



MCH



HCH

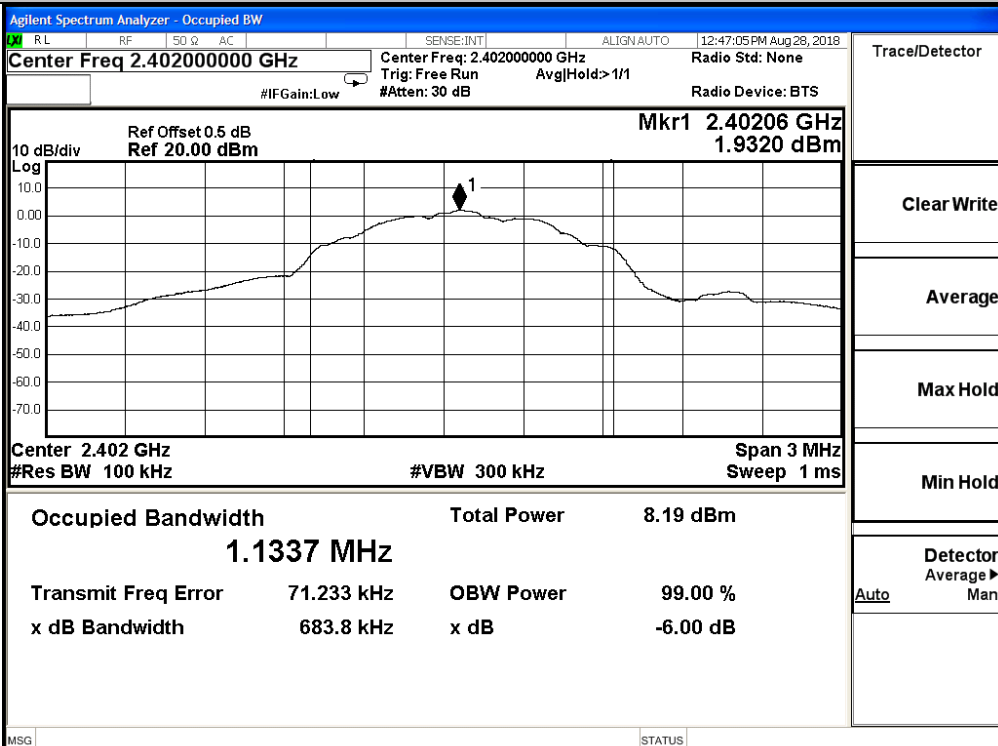


B.4 6dB Bandwidth

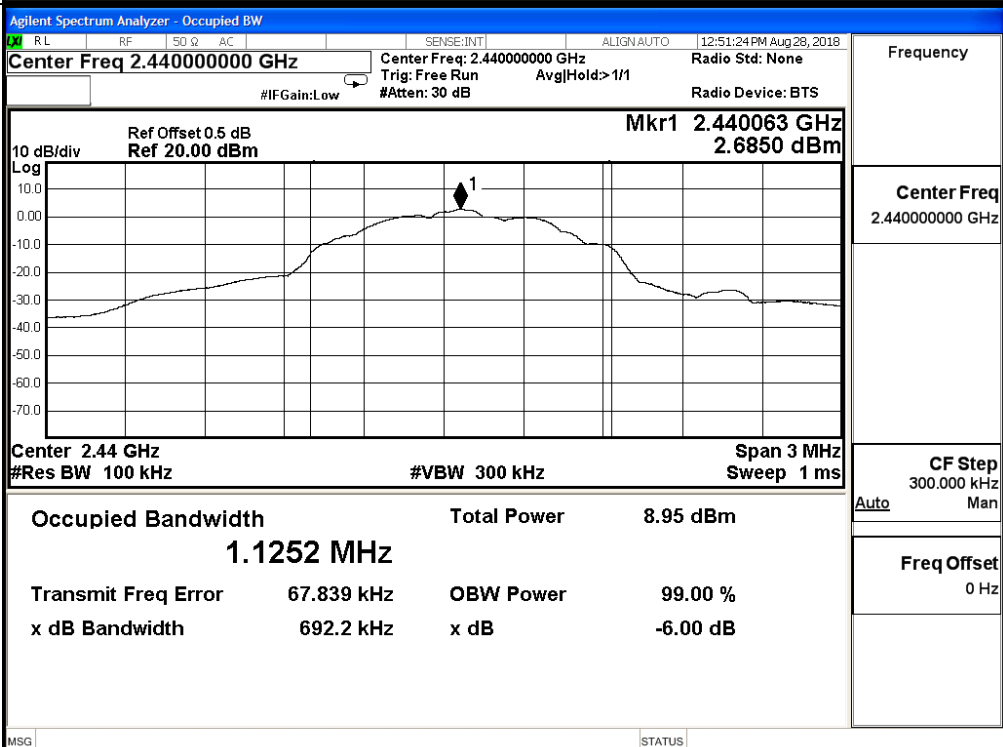
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6838	≥ 0.5	PASS
BT LE	MCH	0.6922	≥ 0.5	PASS
BT LE	HCH	0.6887	≥ 0.5	PASS

Test Graphs

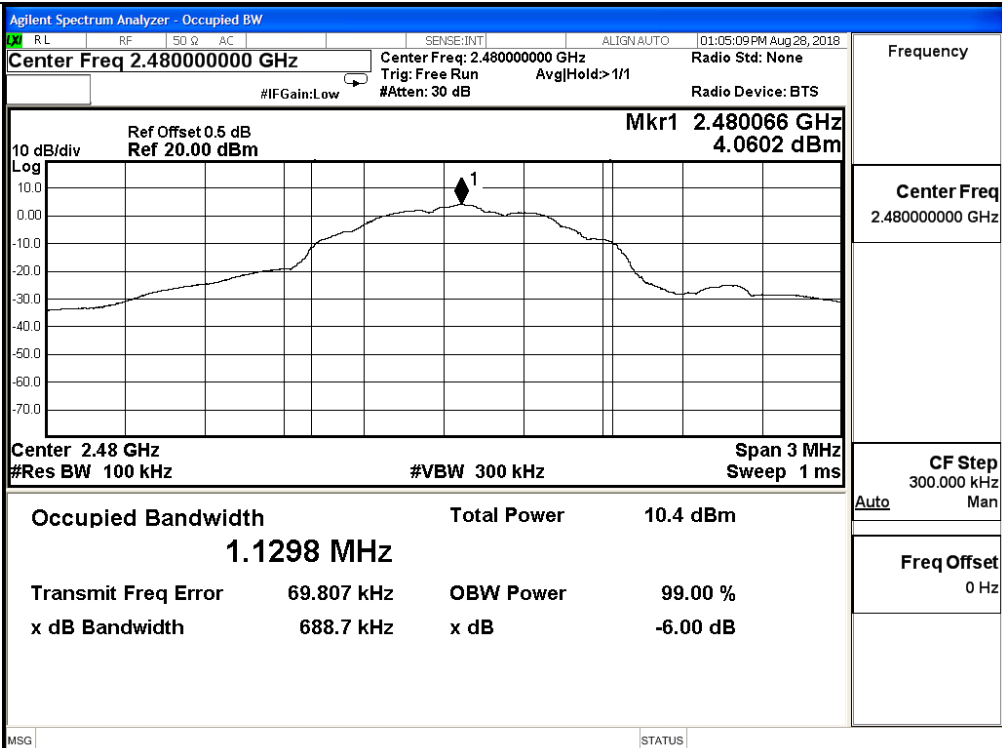
LCH



MCH



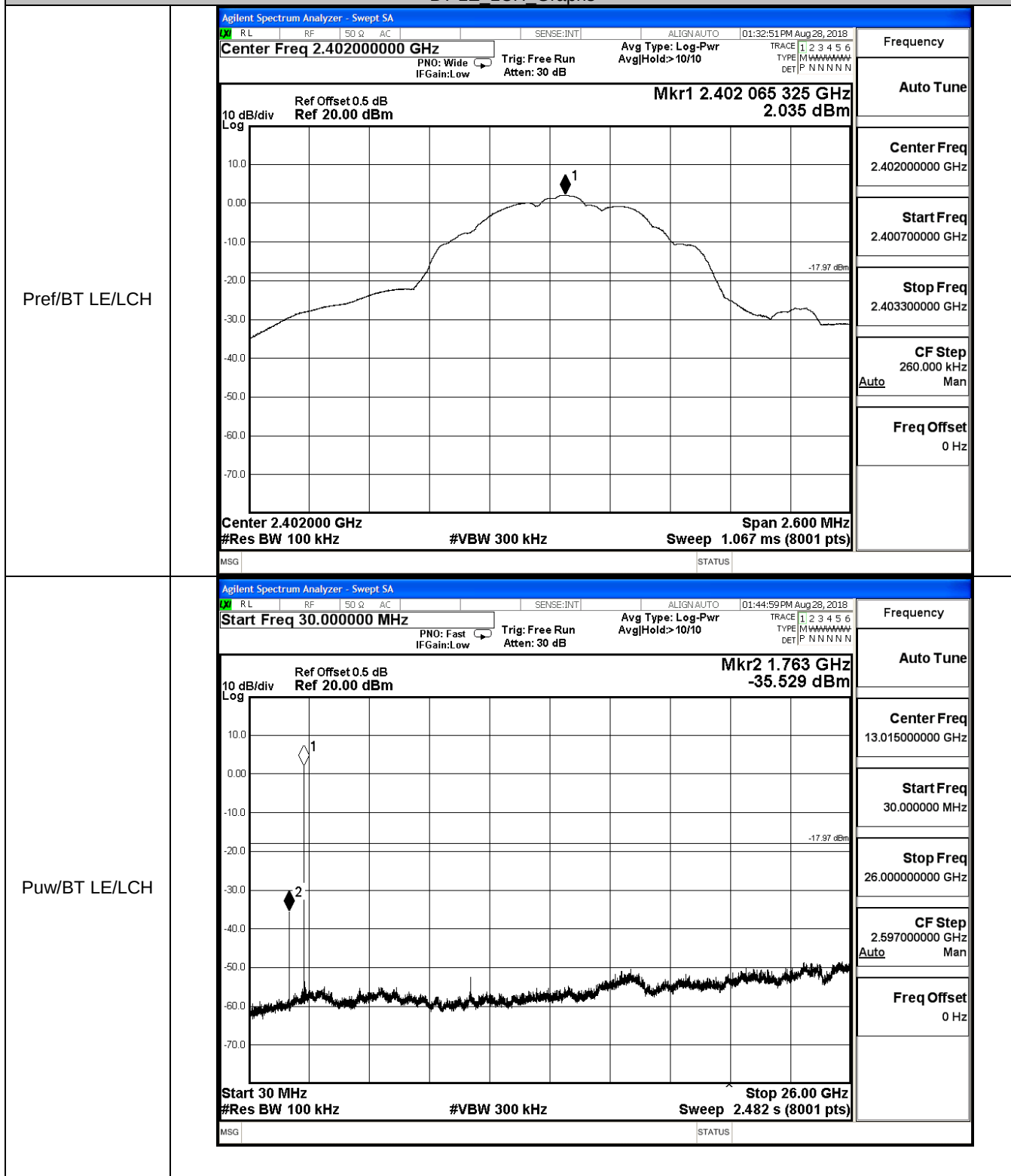
HCH



B.5 RF Conducted Spurious Emissions

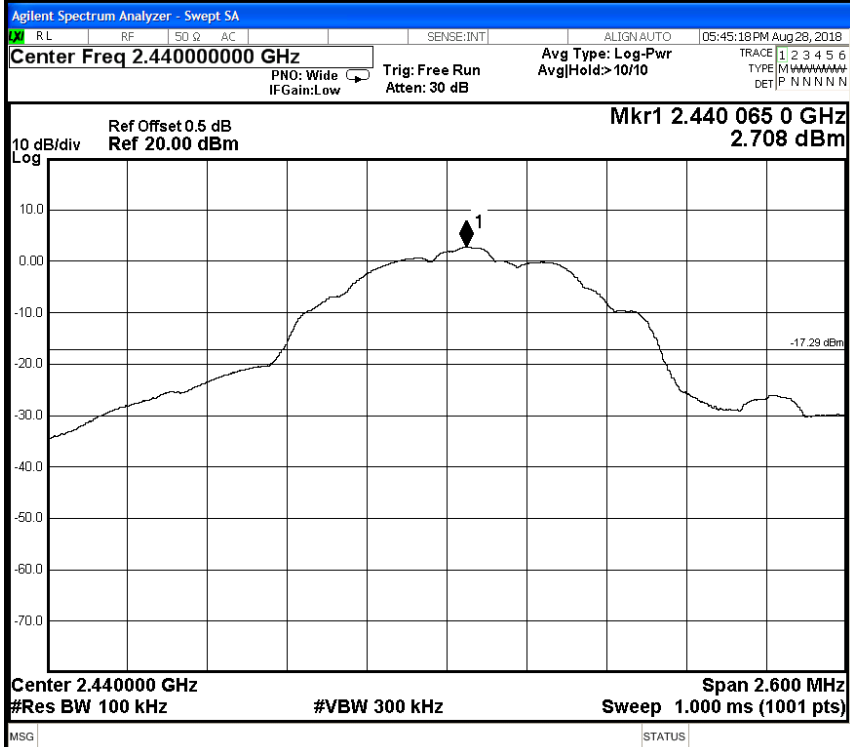
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.035	-35.529	-17.97	PASS
BT LE	MCH	2.708	-50.212	-17.29	PASS
BT LE	HCH	4.120	-49.833	-15.88	PASS

BT LE LCH Graphs



BT LE MCH Graphs

Pref/BT LE/MCH

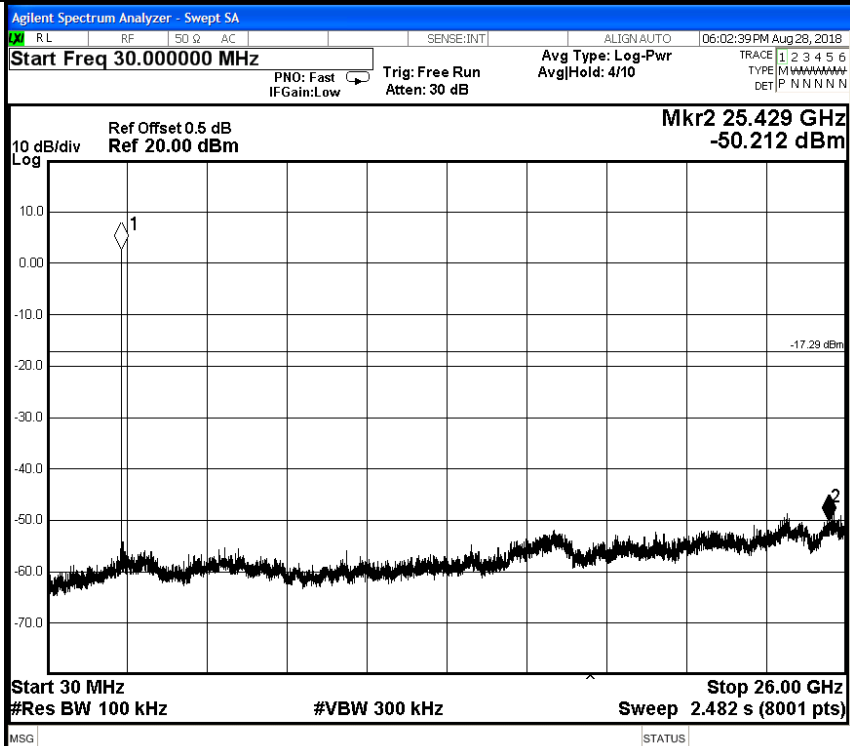


Frequency

Auto Tune

Center Freq
2.44000000 GHzStart Freq
2.438700000 GHzStop Freq
2.441300000 GHzCF Step
260.000 kHz
Auto ManFreq Offset
0 Hz

Puw/BT LE/MCH



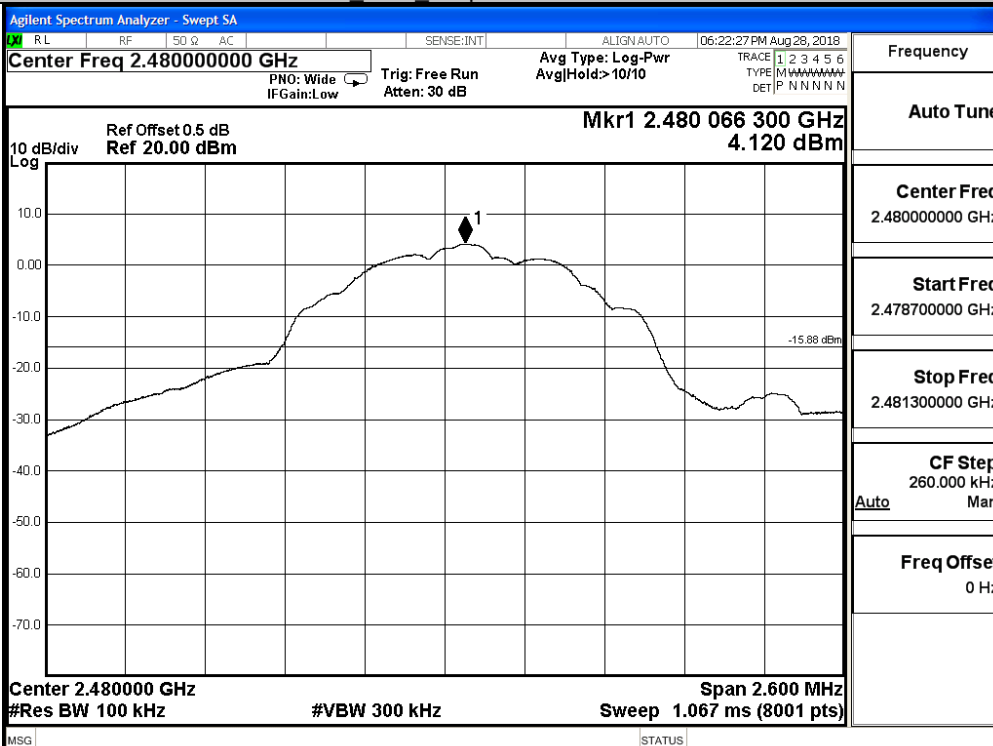
Frequency

Auto Tune

Center Freq
13.015000000 GHzStart Freq
30.000000 MHzStop Freq
26.000000000 GHzCF Step
2.597000000 GHz
Auto ManFreq Offset
0 Hz

BT LE HCH Graphs

Pref/BT LE/HCH



PuW/BT LE/HCH

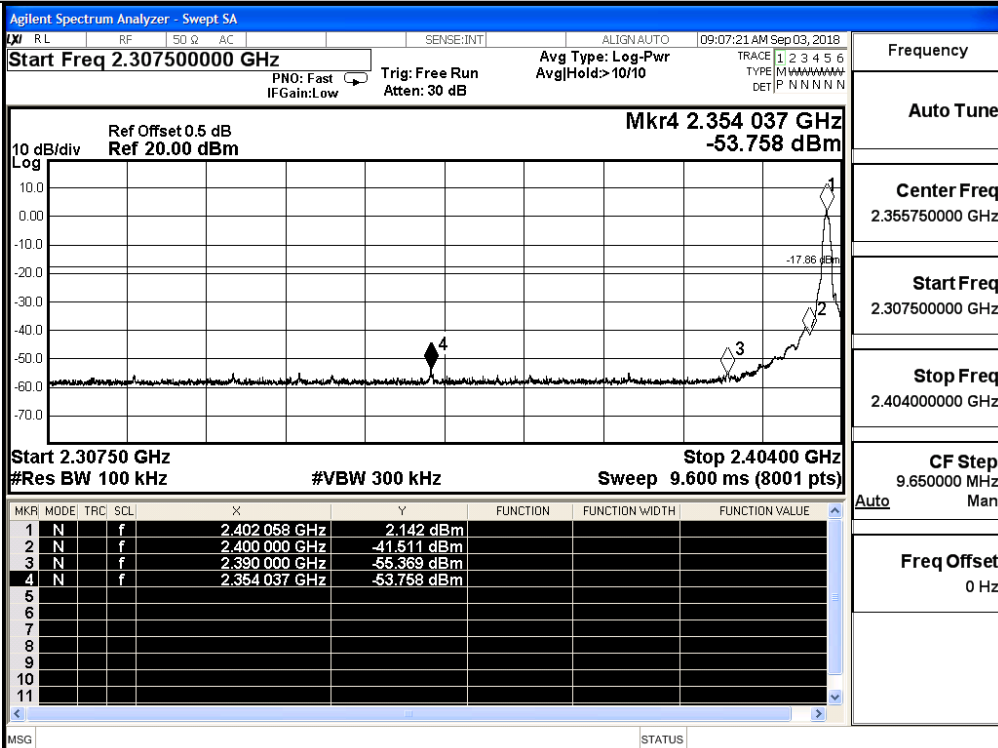


B.6 Band-edge for RF Conducted Emissions

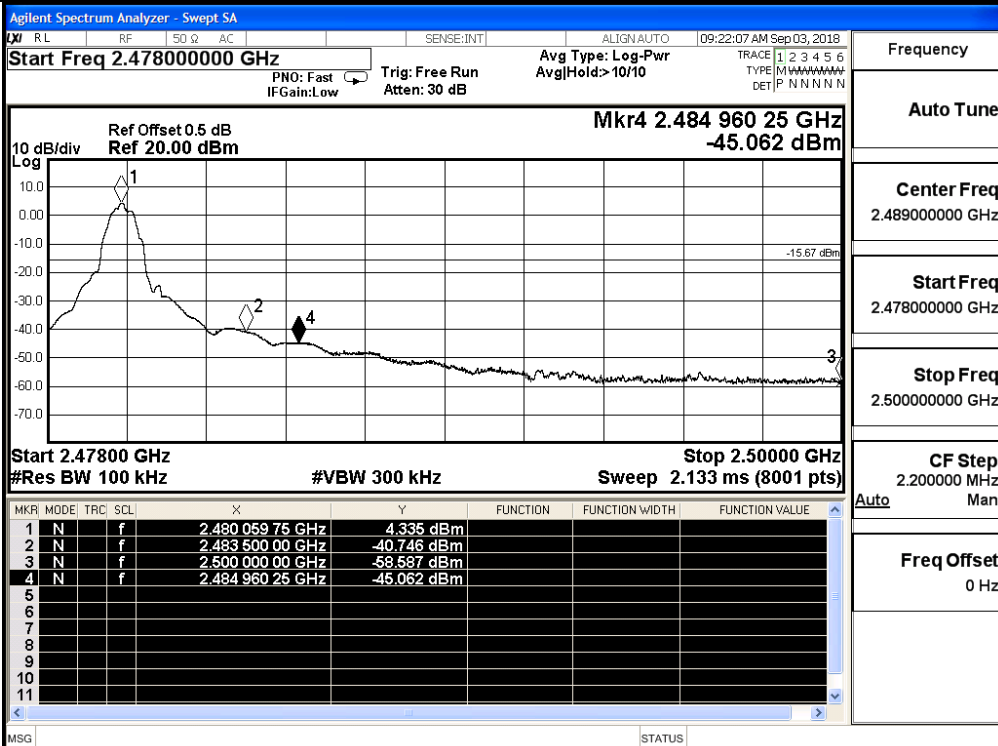
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.142	-53.758	-17.86	PASS
BT LE	HCH	4.335	-45.062	-15.67	PASS

Test Graphs

LCH



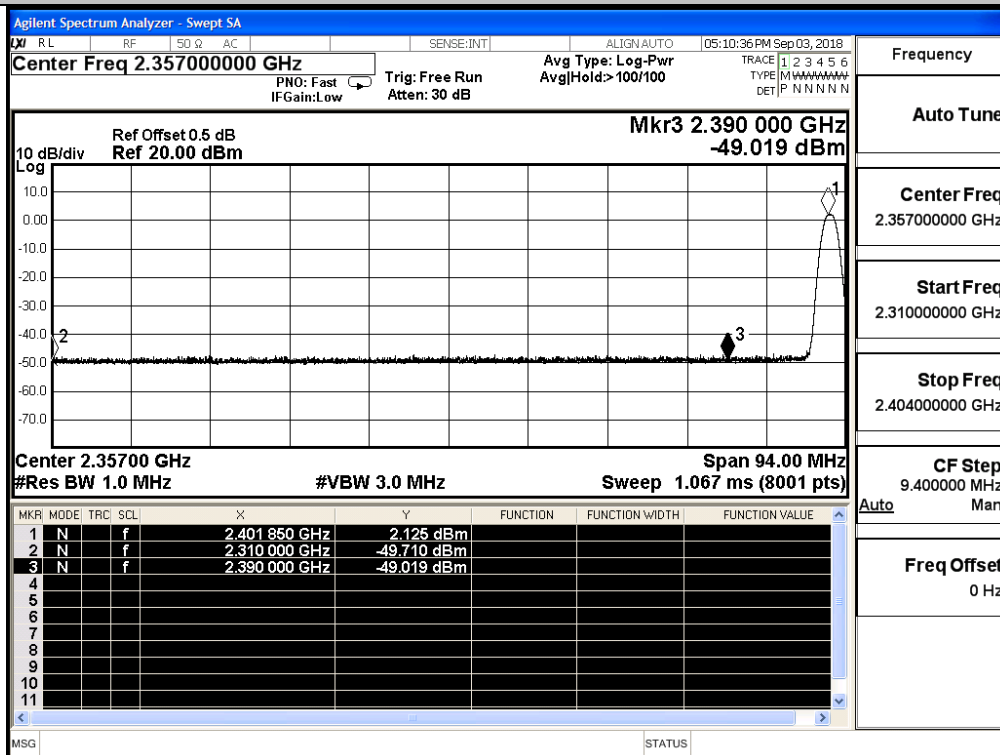
HCH



B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-49.710	2.0	0	47.55	PEAK	74	PASS
		Ant1	2390.0	-49.019	2.0	0	48.24	PEAK	74	PASS
	2480	Ant1	2483.5	-45.512	2.0	0	51.75	PEAK	74	PASS
		Ant1	2500.0	-49.807	2.0	0	47.45	PEAK	74	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK

