

Appendix A

RF Test Data for BT V5.0 (BT 2LE) (Conducted Measurement)

Product Name: LYKOS 2in1 LED Light



Trade Mark:

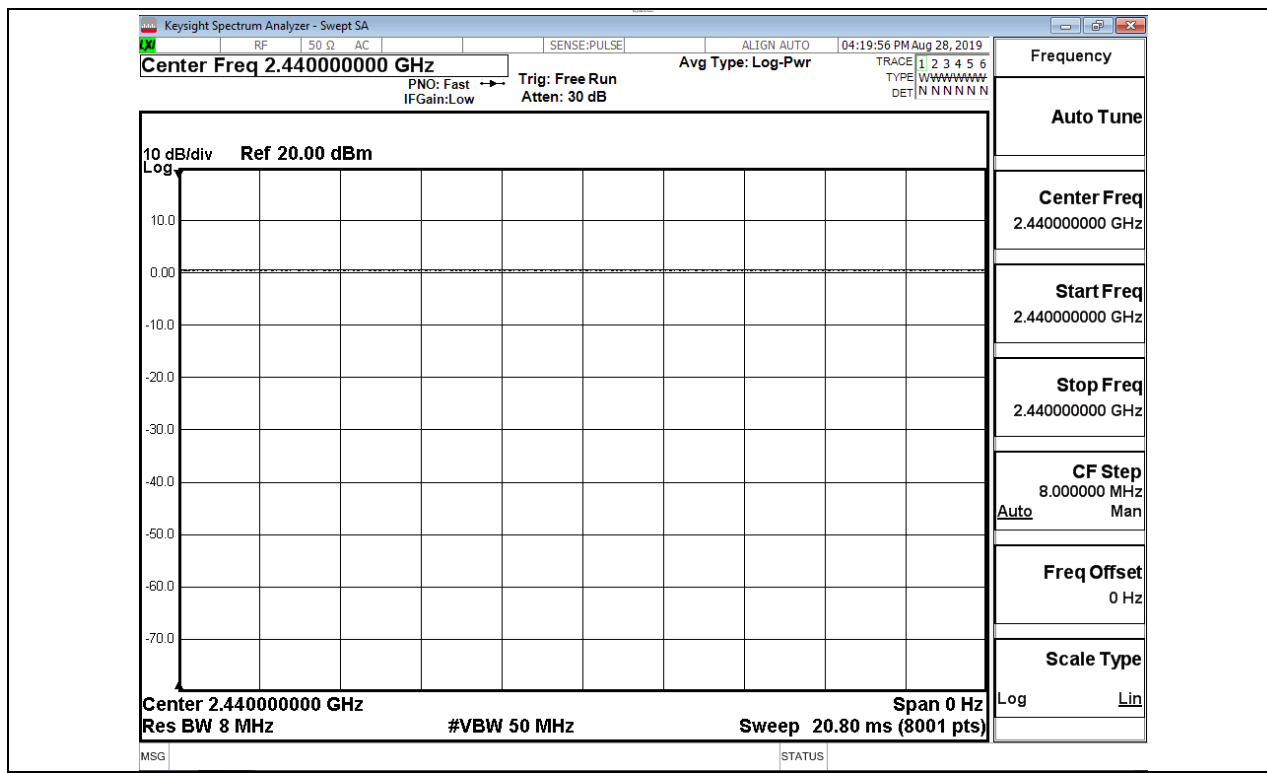
Test Model: MLLYKOS2IN1

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Jayden Zhuo

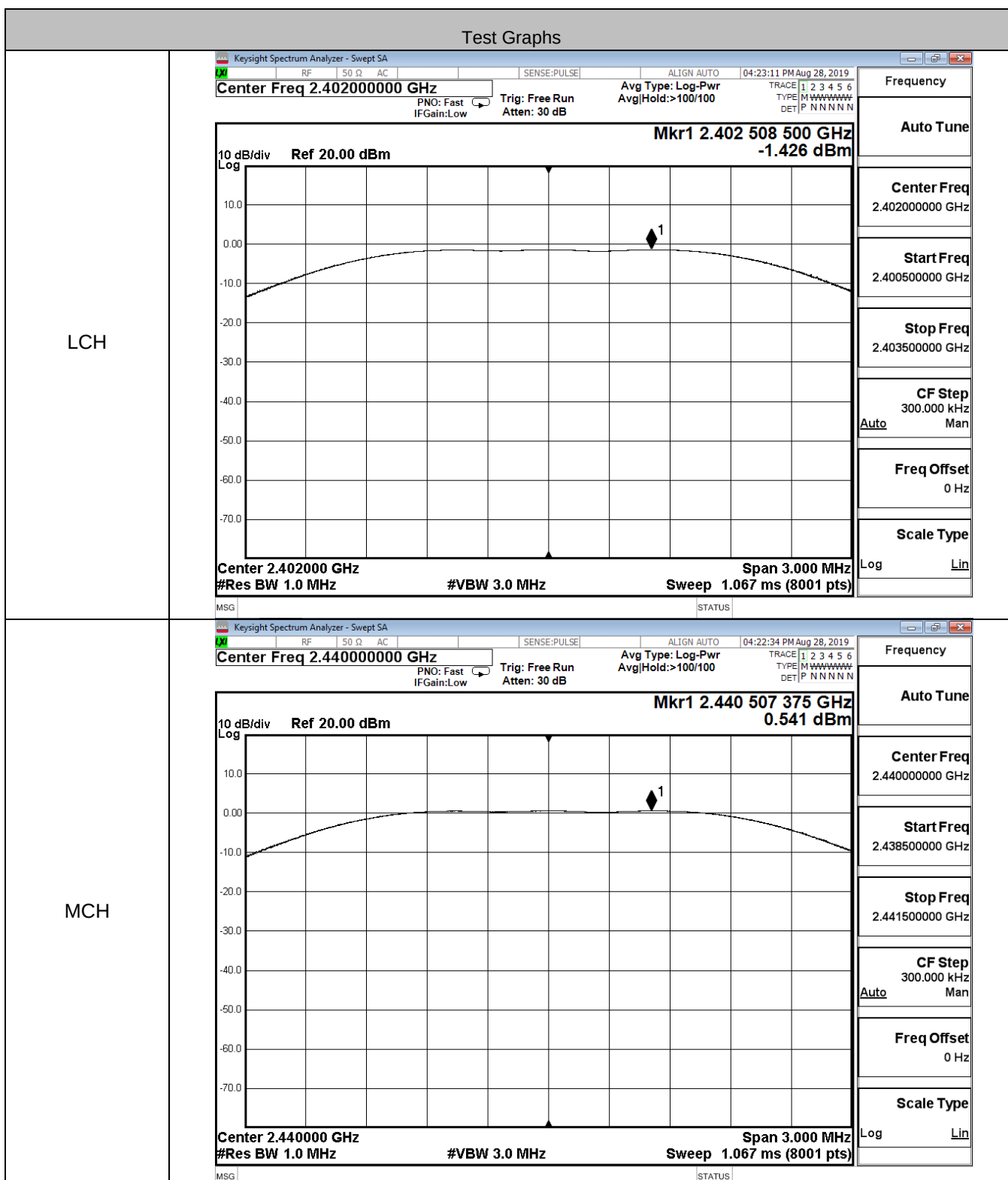
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT 2LE	2440	Ant1	100	PASS

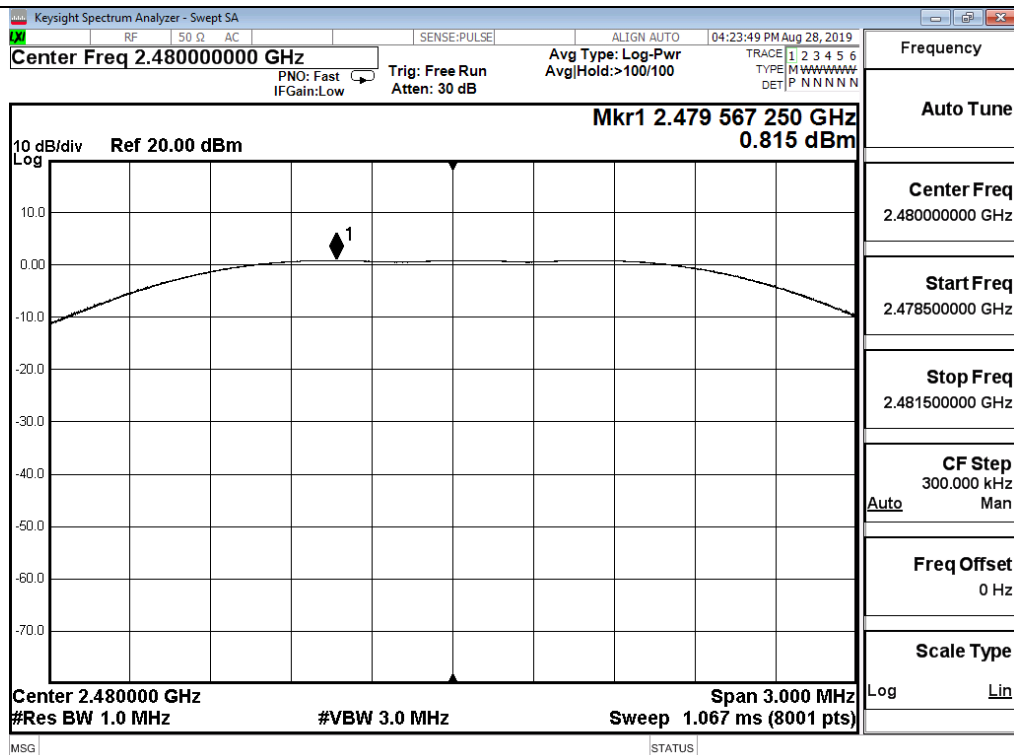


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-1.426	30	PASS
BT 2LE	MCH	0.541	30	PASS
BT 2LE	HCH	0.815	30	PASS



HCH

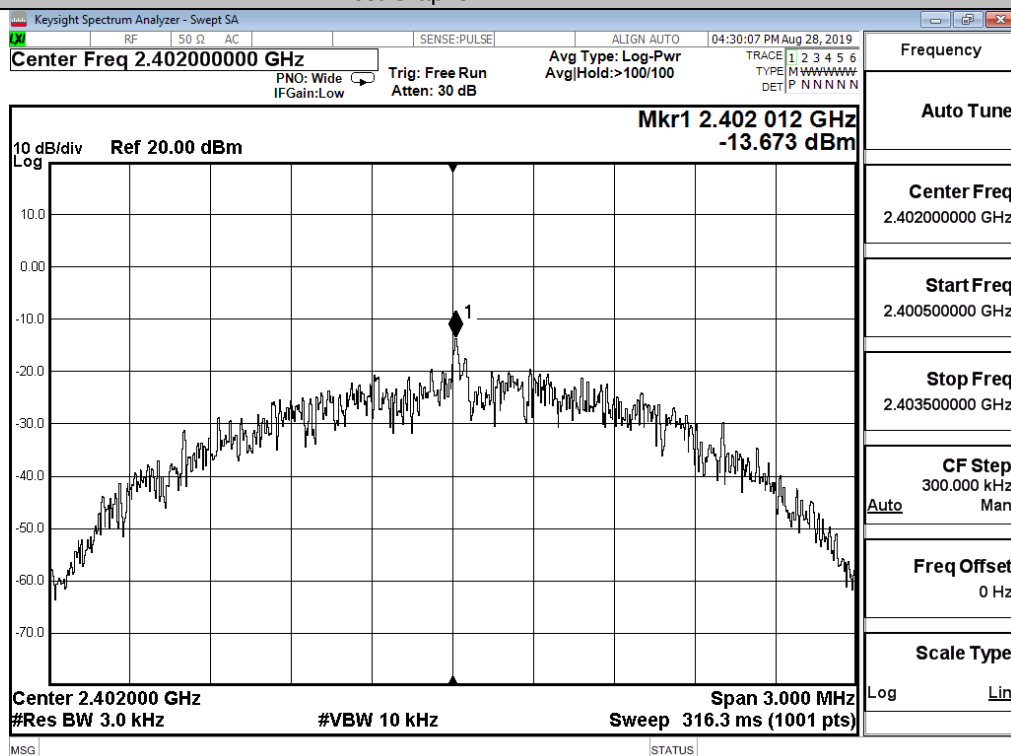


A.3 Maximum Power Spectral Density

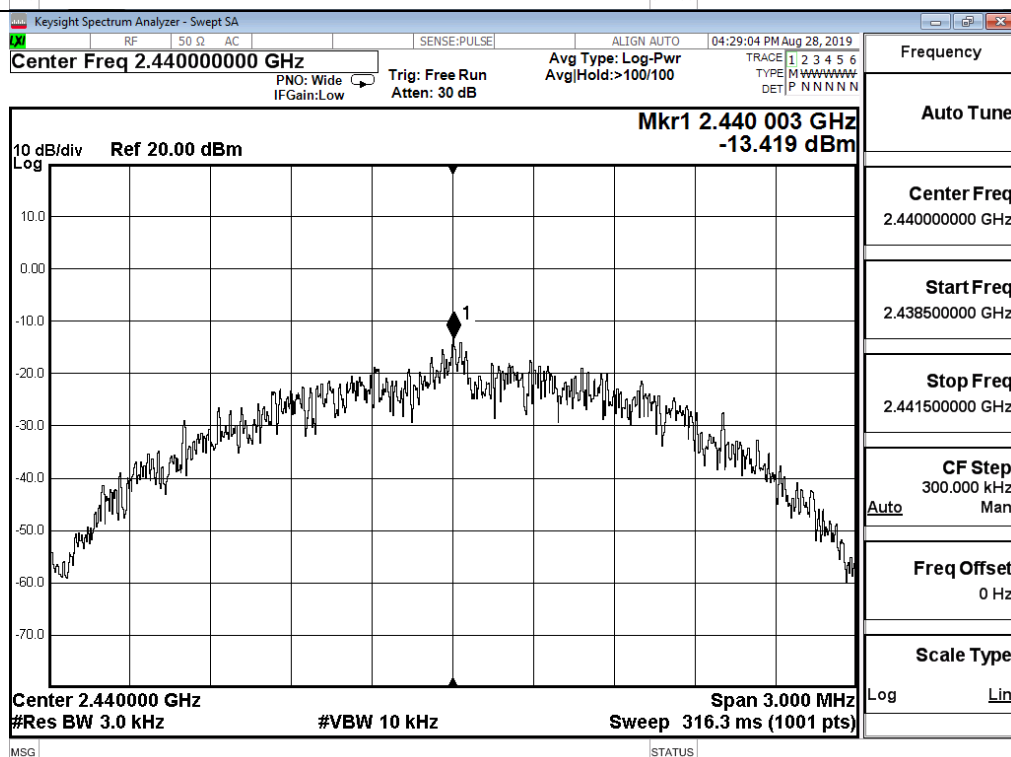
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT 2LE	LCH	-13.673	8	PASS
BT 2LE	MCH	-13.419	8	PASS
BT 2LE	HCH	-11.953	8	PASS

Test Graphs

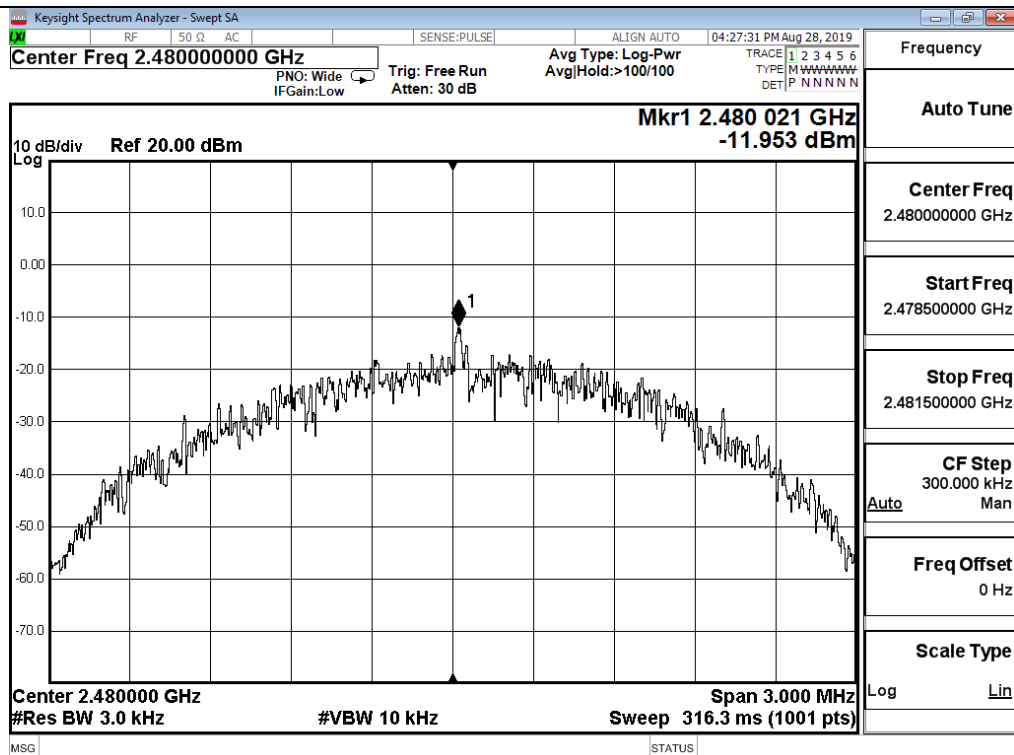
LCH



MCH



HCH

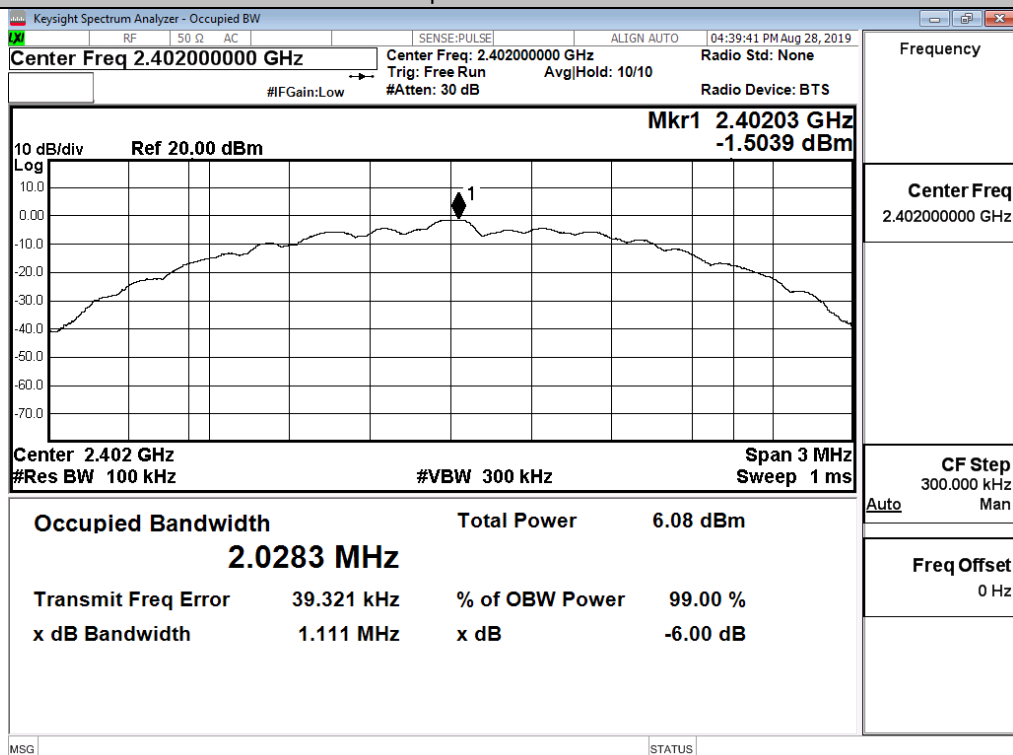


A.4 6dB Bandwidth

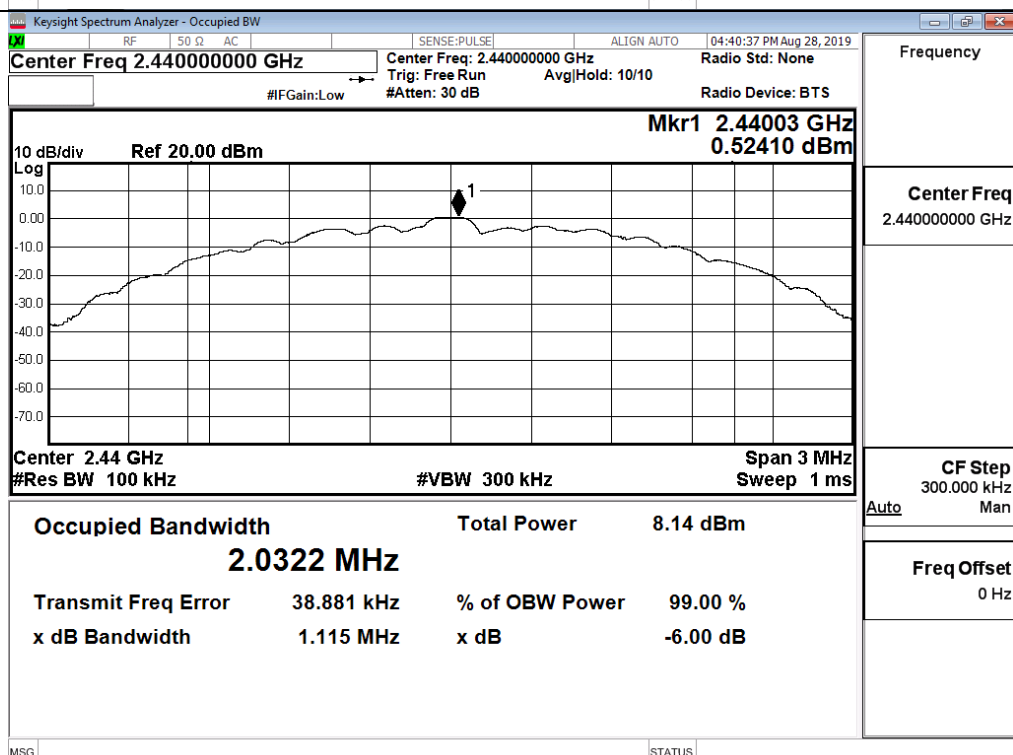
Mode	Channel	6dB Bandwidth [MHz]	6dB Bandwidth Limit [MHz]	Verdict
BT 2LE	LCH	1.111	≥ 0.5	PASS
BT 2LE	MCH	1.115	≥ 0.5	PASS
BT 2LE	HCH	1.110	≥ 0.5	PASS

Test Graphs

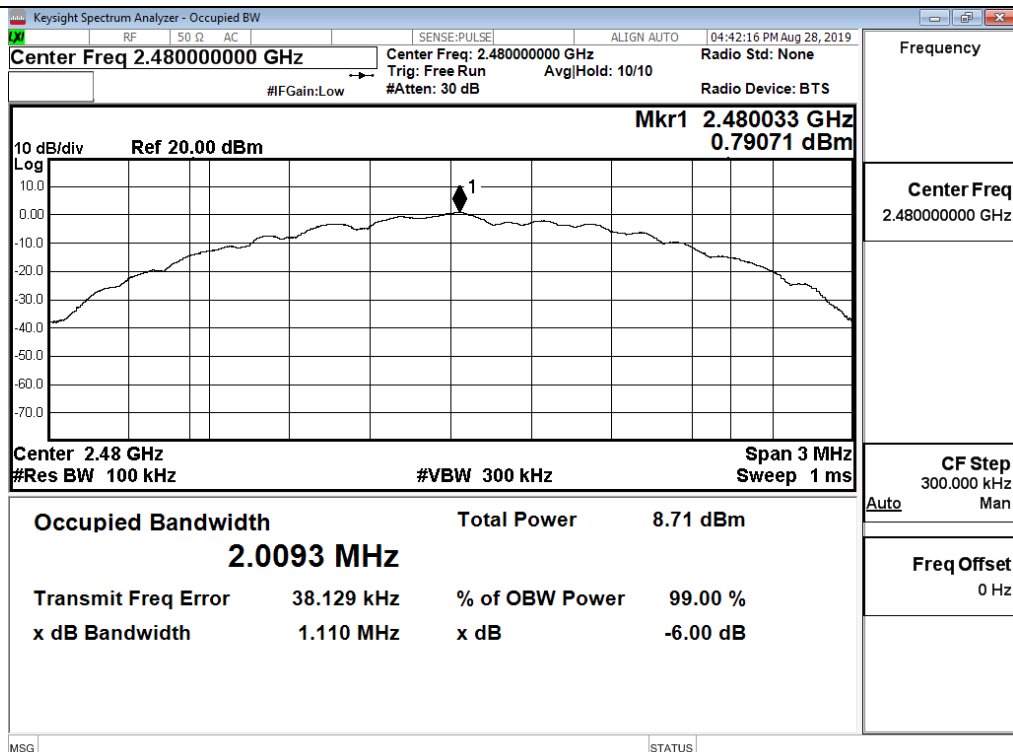
LCH



MCH



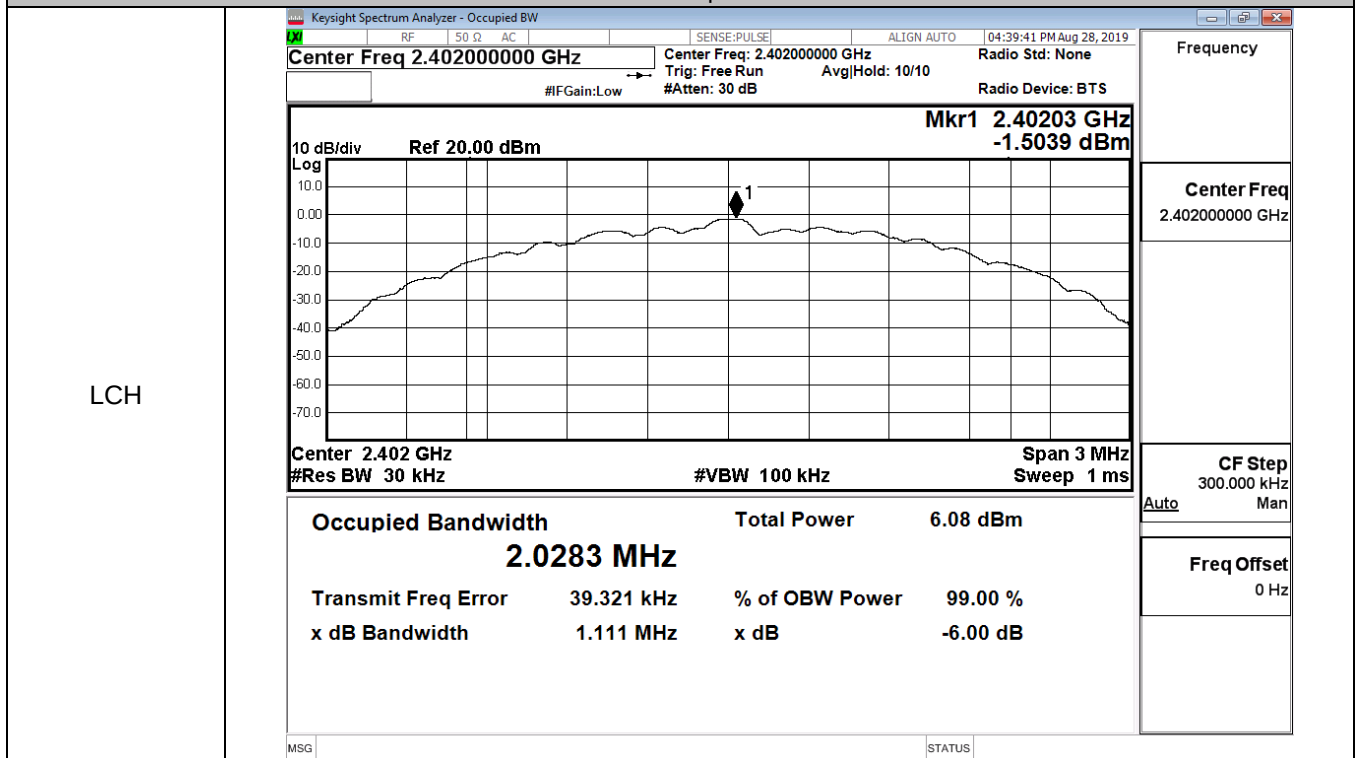
HCH



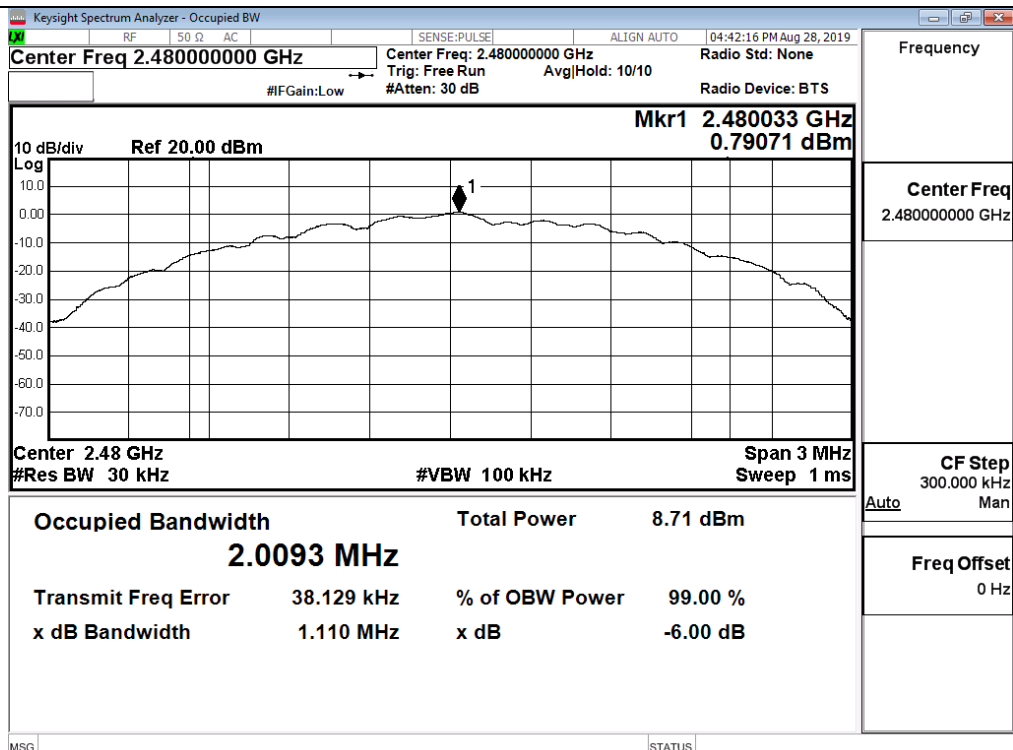
A.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth (99%)[MHz]	Occupied Bandwidth Limit [MHz]	Verdict
BT 2LE	LCH	2.0283	--	PASS
BT 2LE	MCH	2.0322	--	PASS
BT 2LE	HCH	2.0093	--	PASS

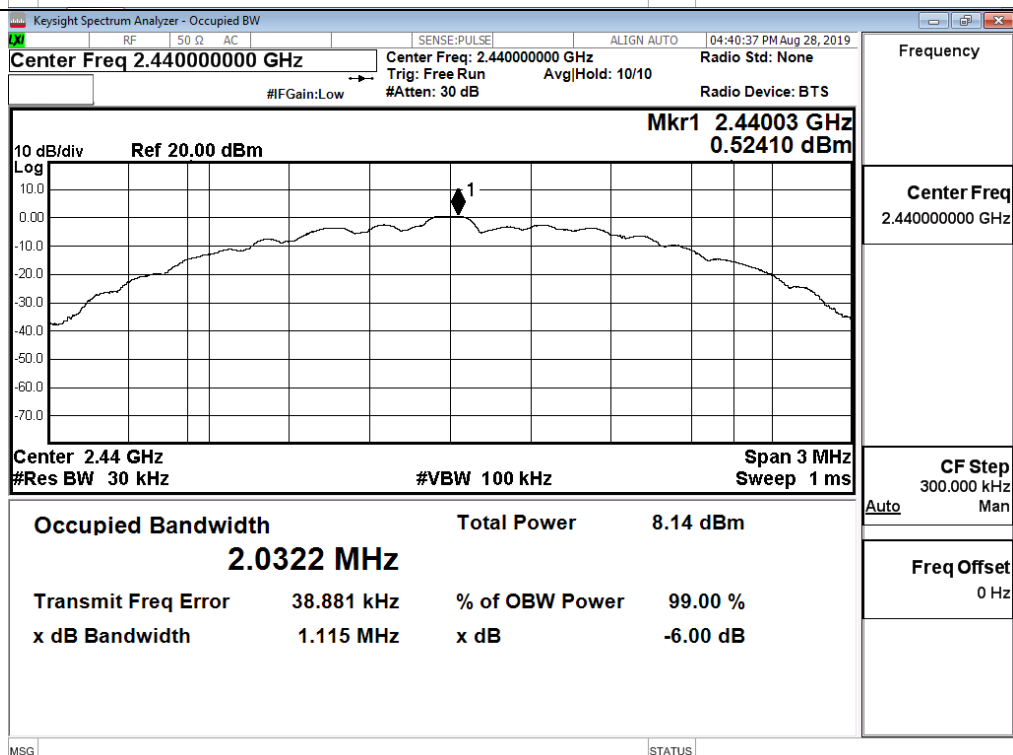
Test Graphs



MCH

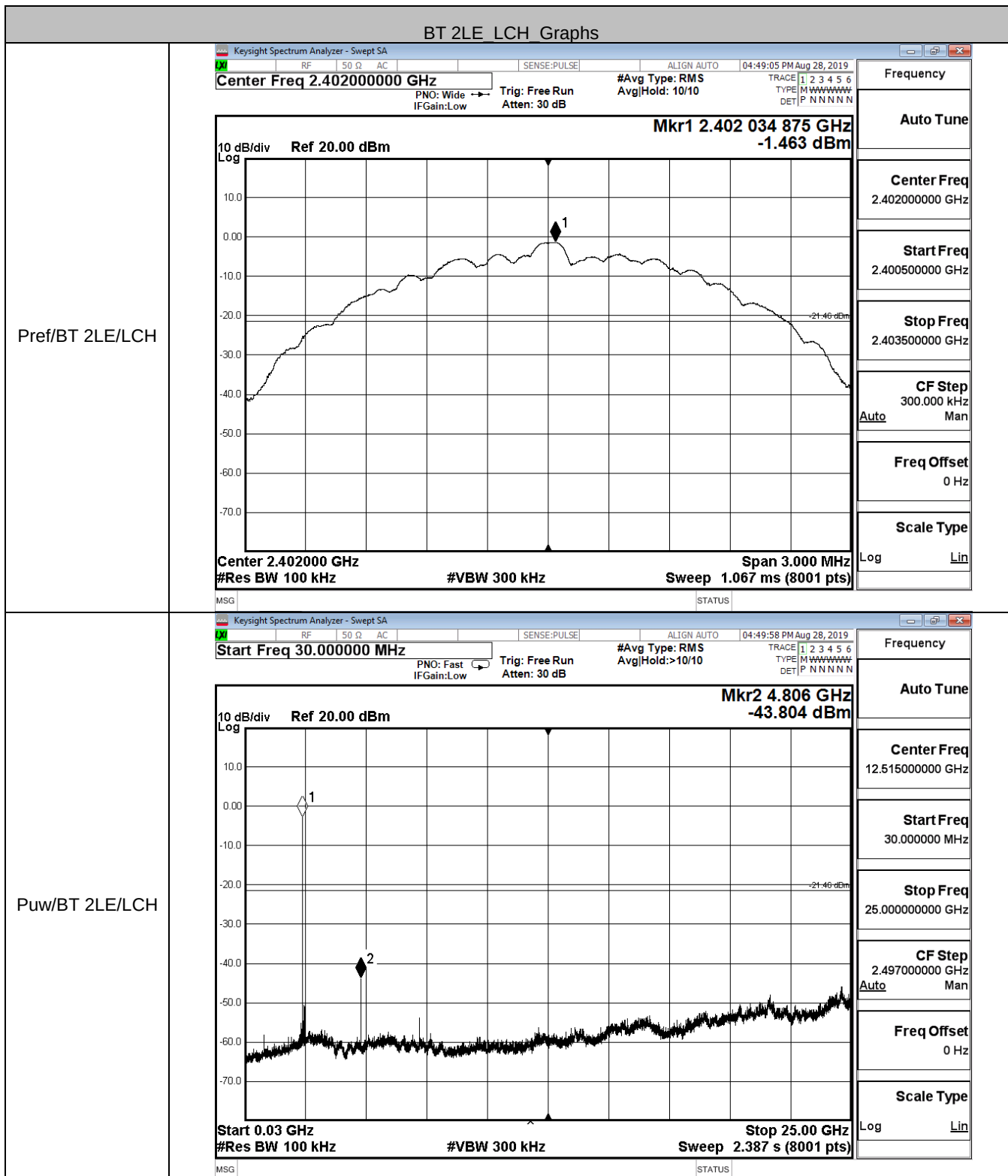


HCH

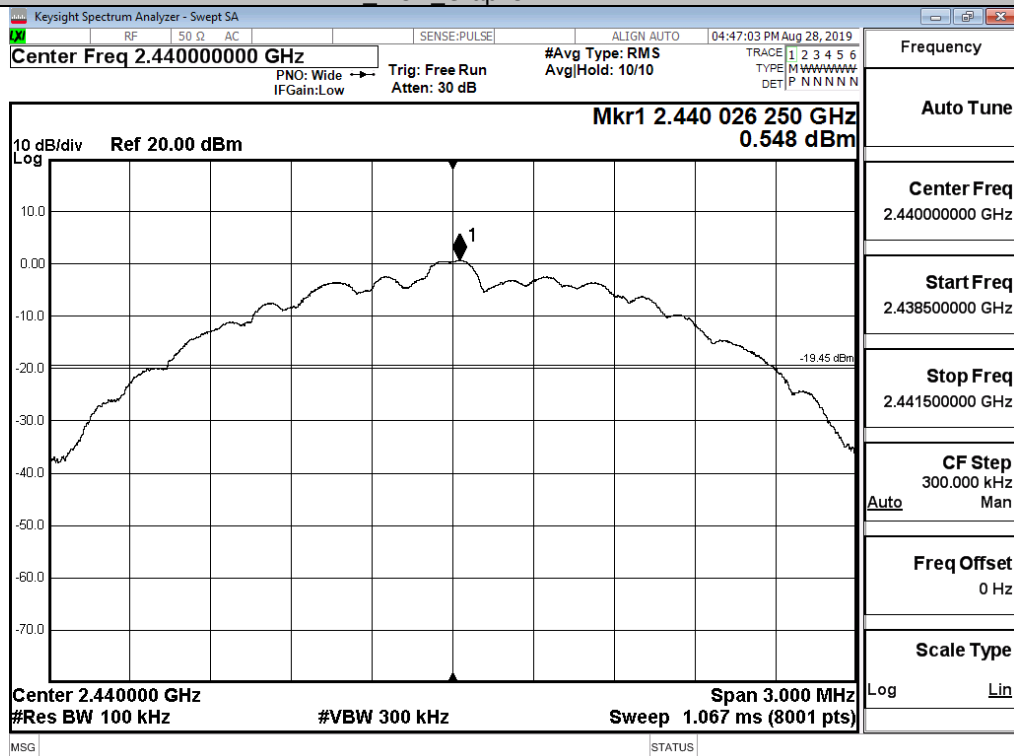
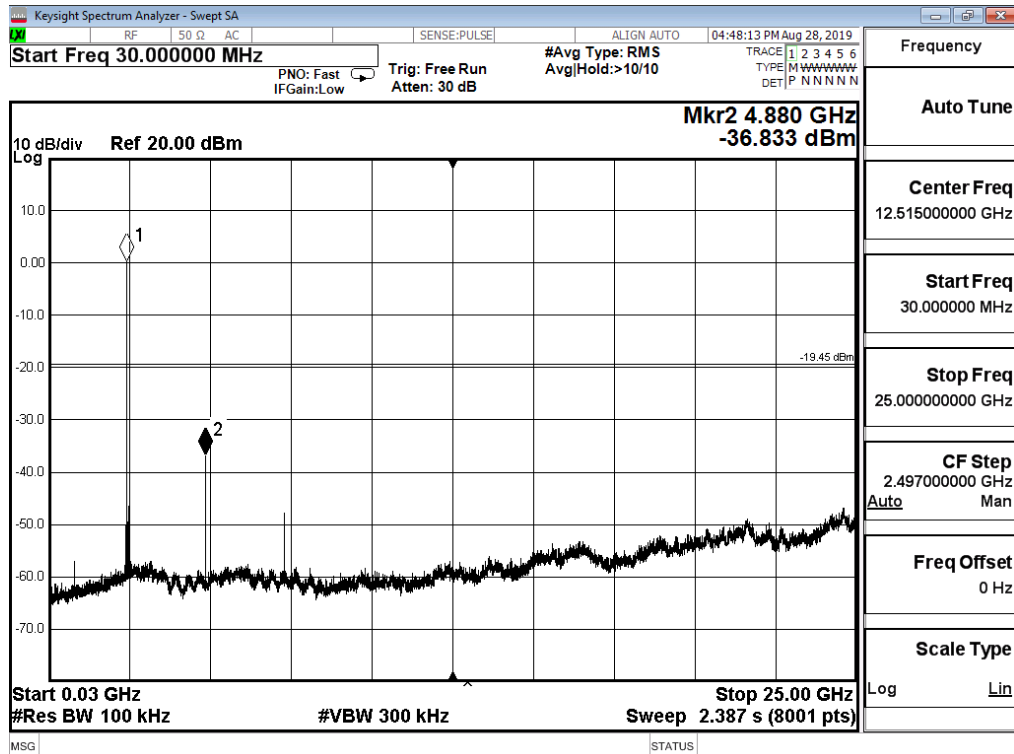


A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-1.643	-43.804	-21.46	PASS
BT 2LE	MCH	0.548	-36.833	-19.45	PASS
BT 2LE	HCH	0.726	-36.235	-19.27	PASS

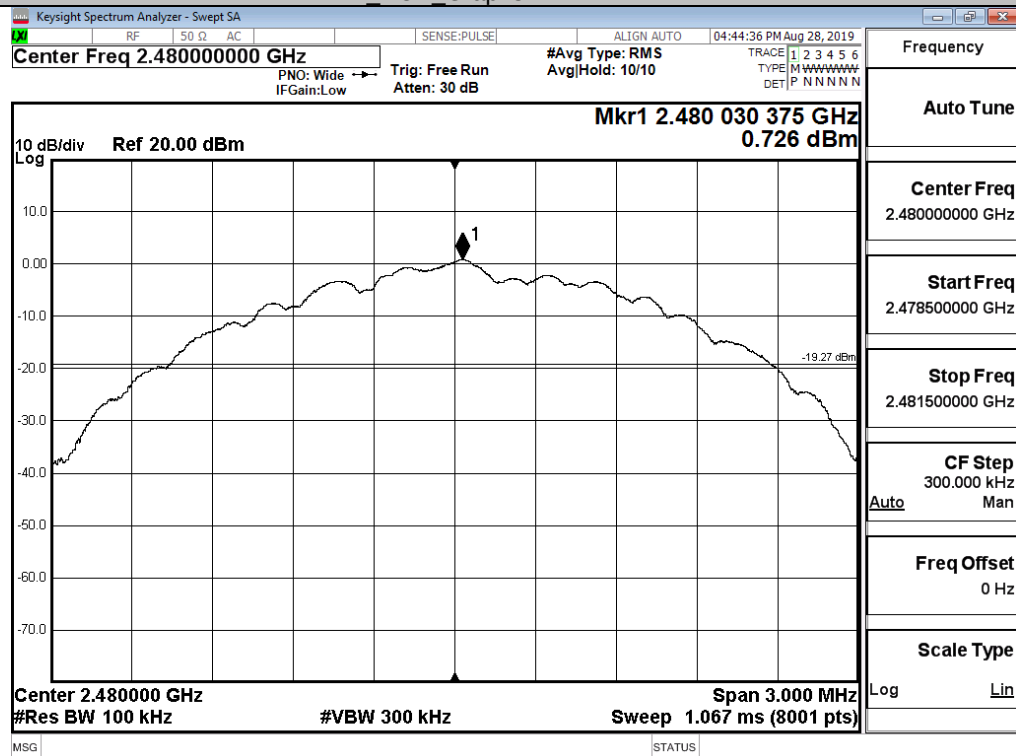
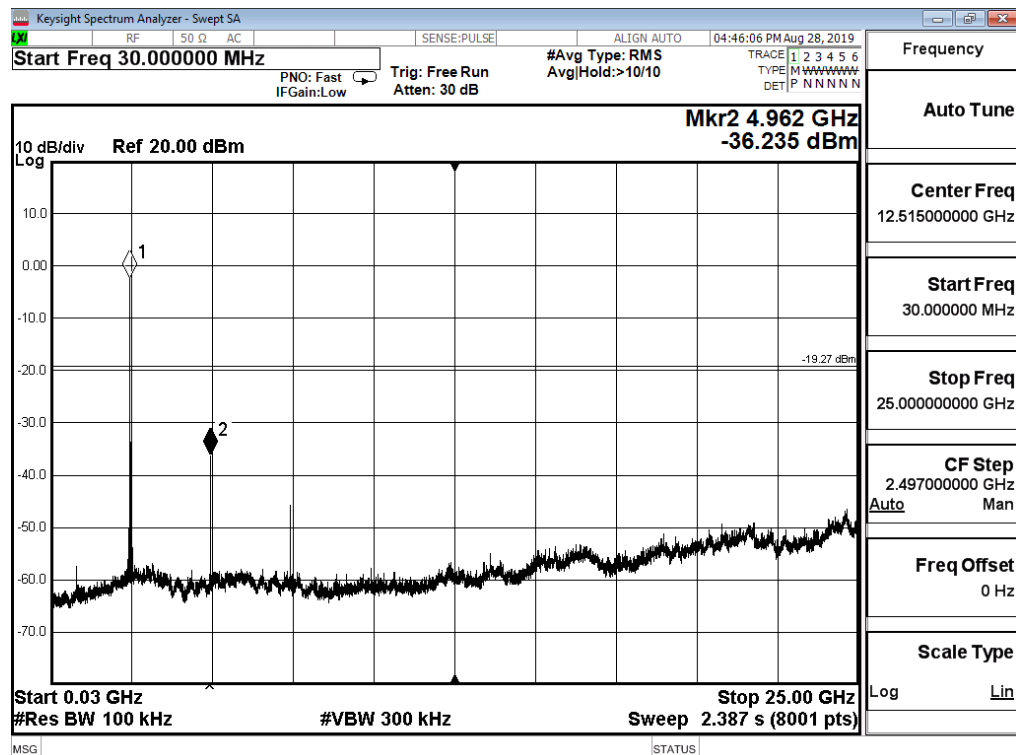


BT 2LE_MCH_Graphs

Pref/BT
2LE/MCHPuw/BT
2LE/MCH

BT 2LE_HCH_Graphs

Pref/BT 2LE/HCH

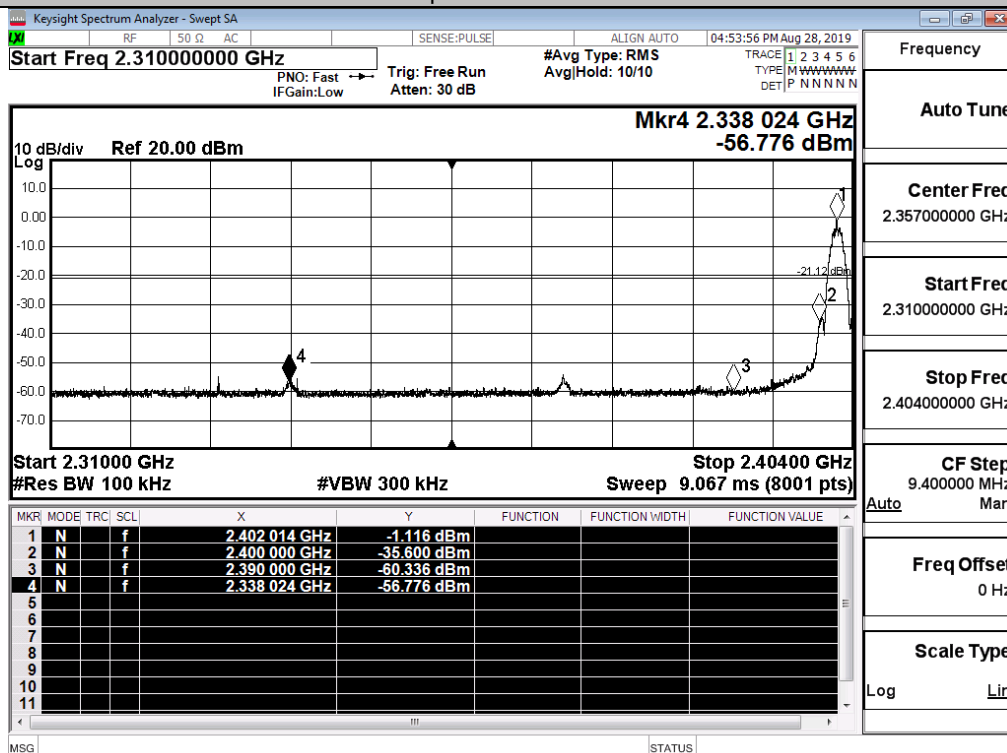
Puw/BT
2LE/HCH

A.7 Band-edge for RF Conducted Emissions

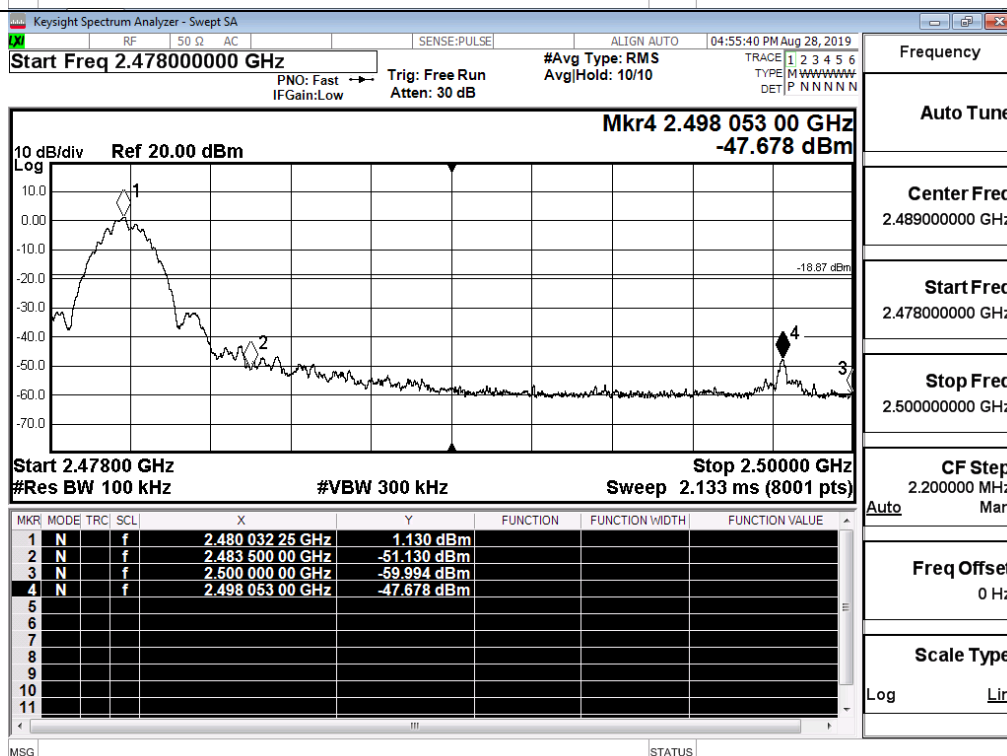
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT 2LE	LCH	-1.116	-56.776	-21.12	PASS
BT 2LE	HCH	1.130	-47.678	-18.67	PASS

Test Graphs

LCH



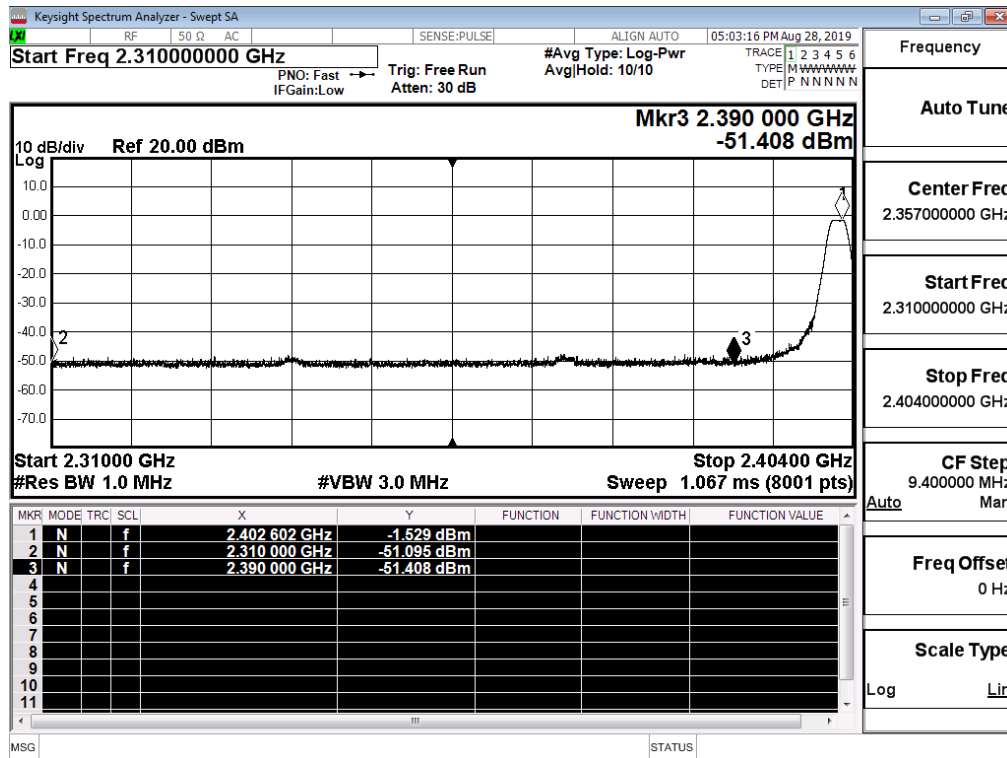
HCH



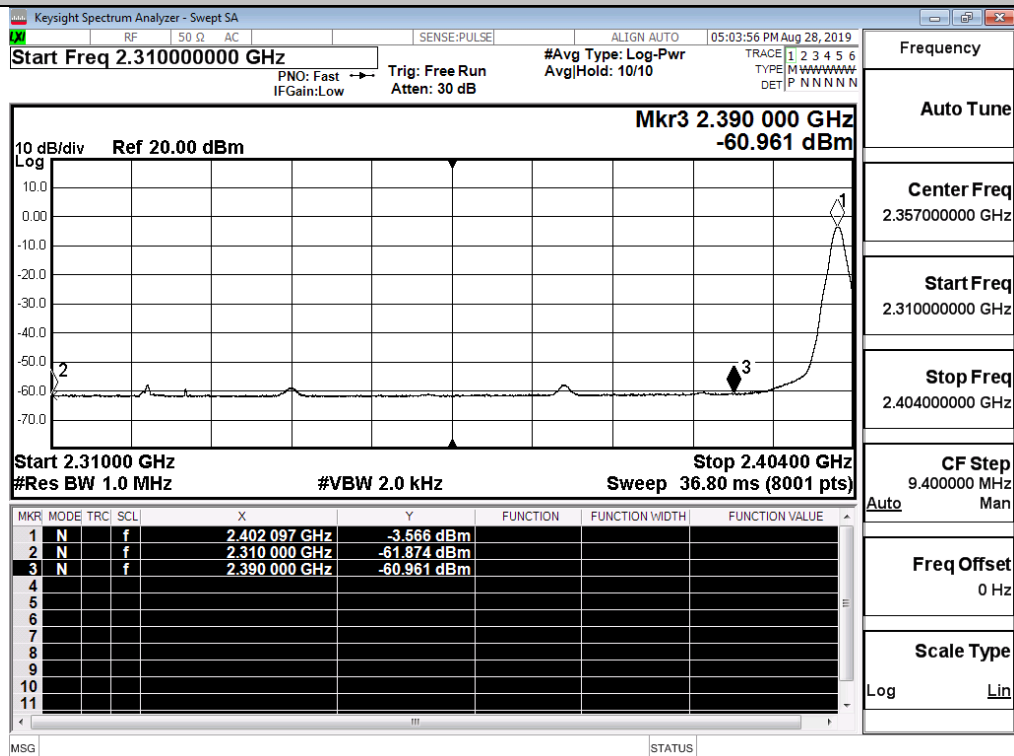
A.8 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT 2LE	2402	Ant1	2310.0	-51.095	2.0	0	46.17	PEAK	74	PASS
		Ant1	2310.0	-61.874	2.0	0	35.39	AV	54	PASS
		Ant1	2390.0	-51.408	2.0	0	45.85	PEAK	74	PASS
		Ant1	2390.0	-60.961	2.0	0	36.30	AV	54	PASS
	2480	Ant1	2483.5	-35.247	2.0	0	62.01	PEAK	74	PASS
		Ant1	2483.5	-49.380	2.0	0	47.88	AV	54	PASS
		Ant1	2500.0	-51.065	2.0	0	46.20	PEAK	74	PASS
		Ant1	2500.0	-60.896	2.0	0	36.36	AV	54	PASS

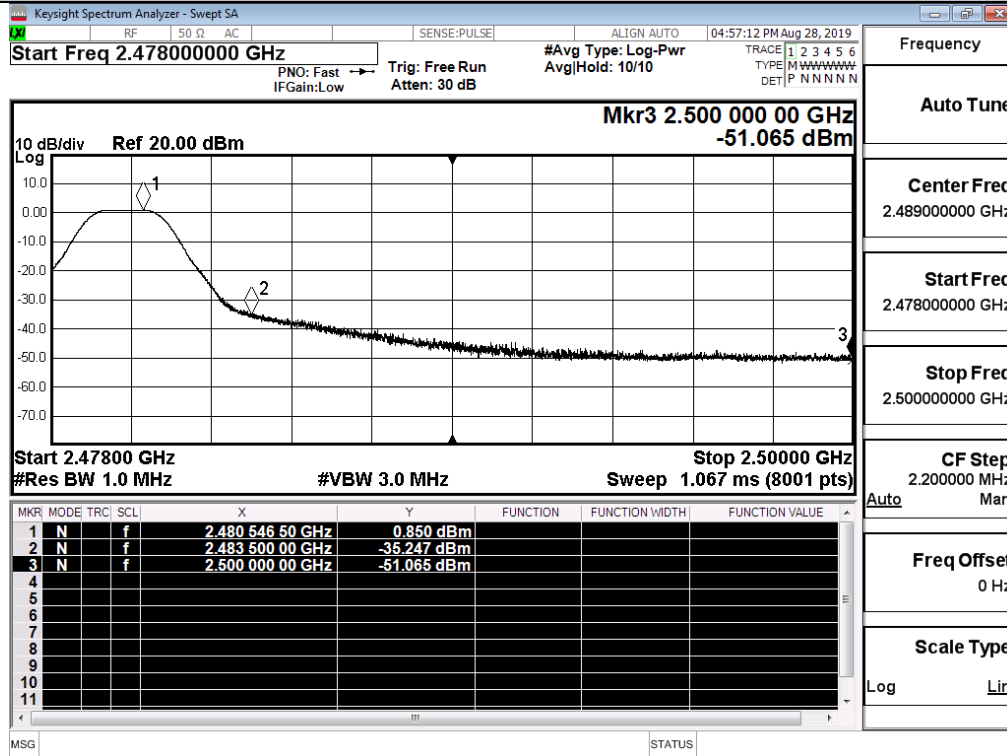
Restrict-band band-edge measurements_BT 2LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT 2LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT 2LE_2480_Ant1_AV

