

Appendix B

RF Test Data for BT V4.2 (BDR/EDR) (Conducted Measurement)

Product Name: Bluetooth Headset Bracelet

Trade Mark: BYS

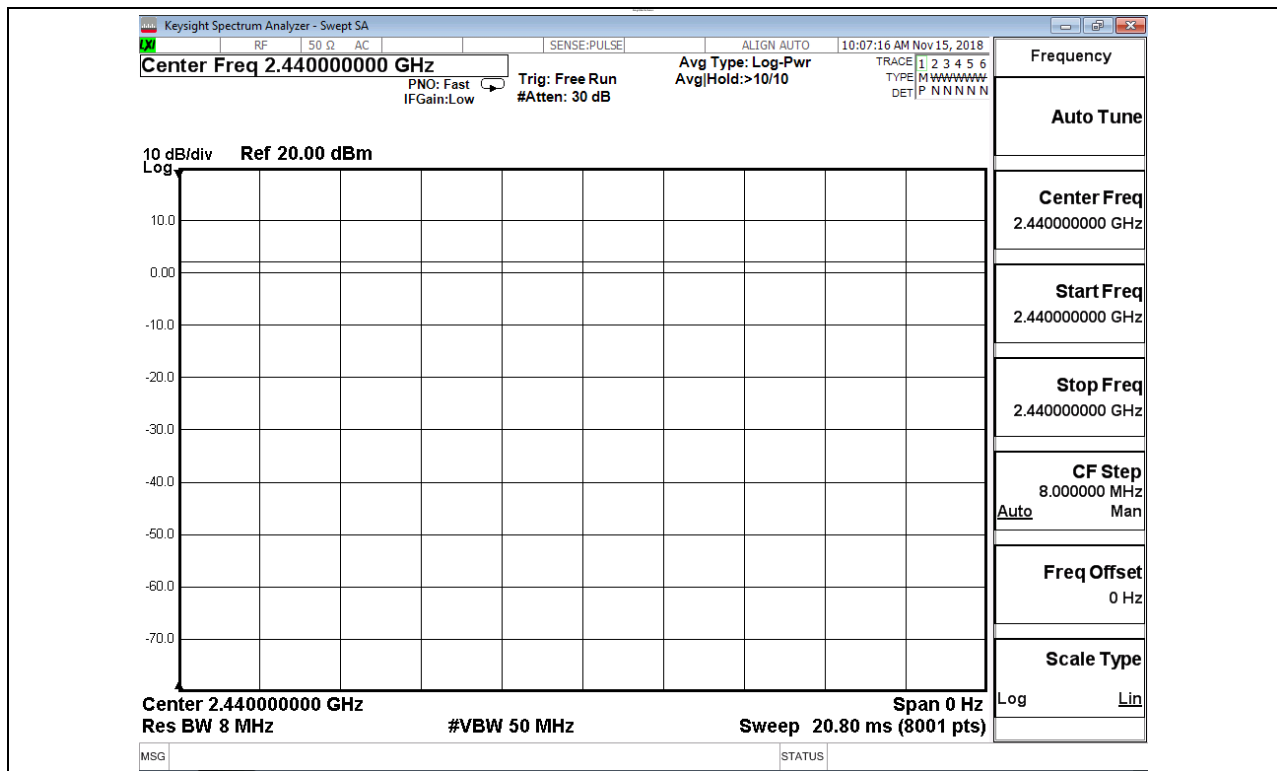
Test Model: BY51

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	54%
ATM Pressure:	100.0 kPa
Test Engineer:	Tom.Liu
Supervised by:	Jayden.Zhuo

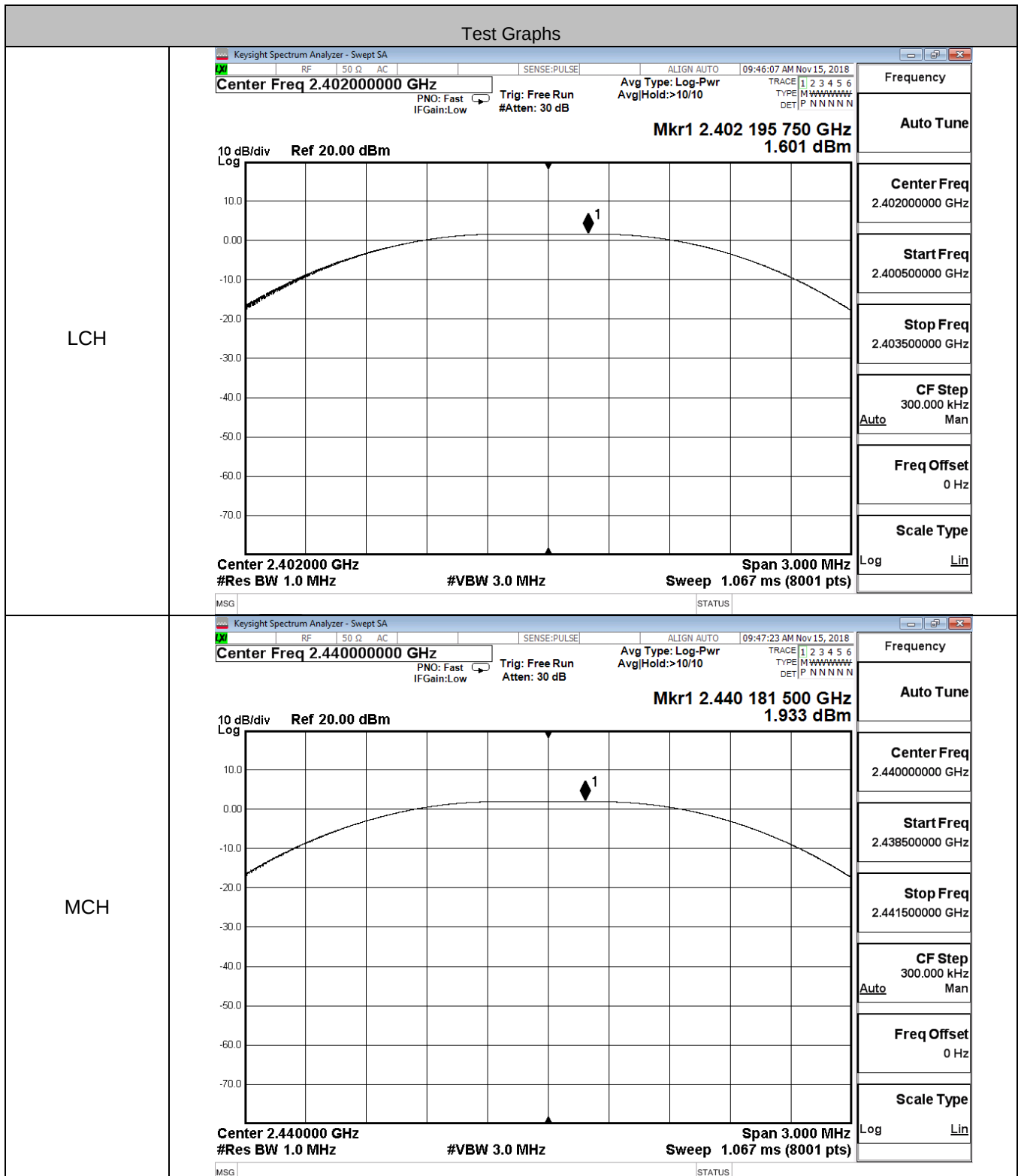
B.1 Duty Cycle

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

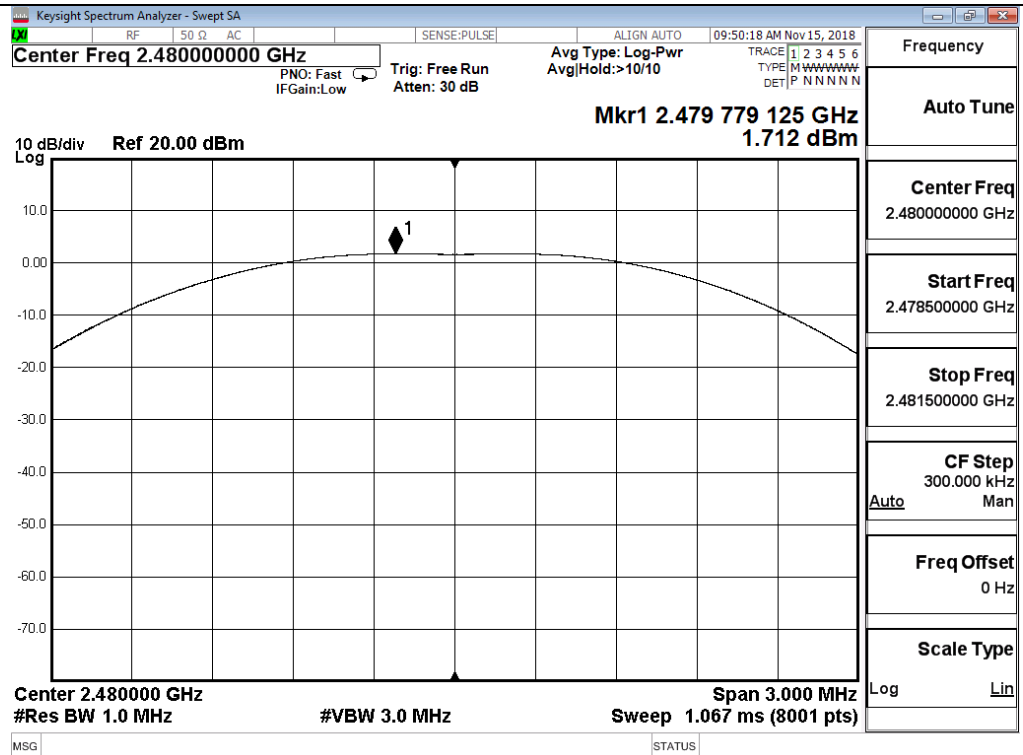


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.601	30	PASS
BT LE	MCH	1.933	30	PASS
BT LE	HCH	1.712	30	PASS



HCH

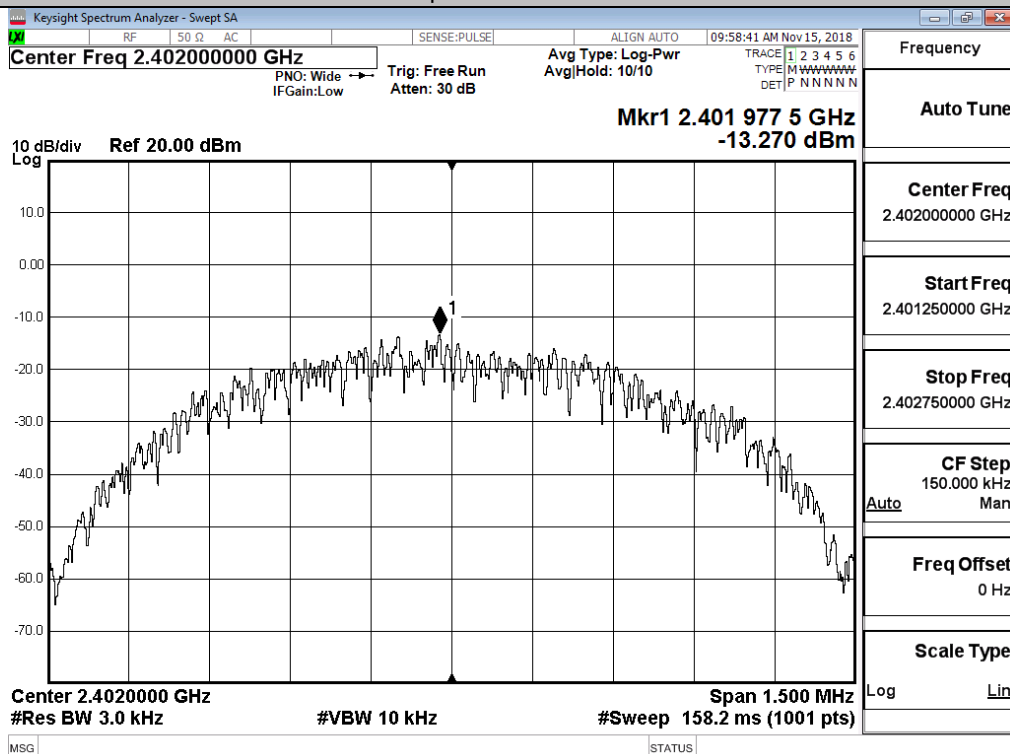


B.3 Maximum Power Spectral Density

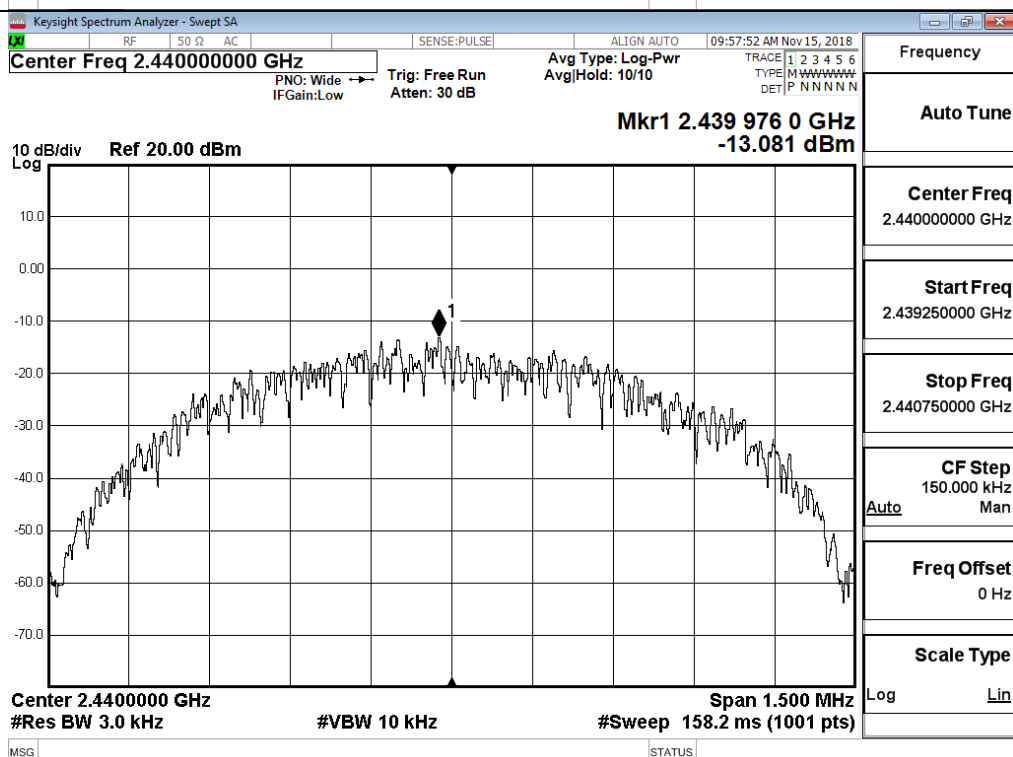
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.270	8	PASS
BT LE	MCH	-13.081	8	PASS
BT LE	HCH	-13.202	8	PASS

Test Graphs

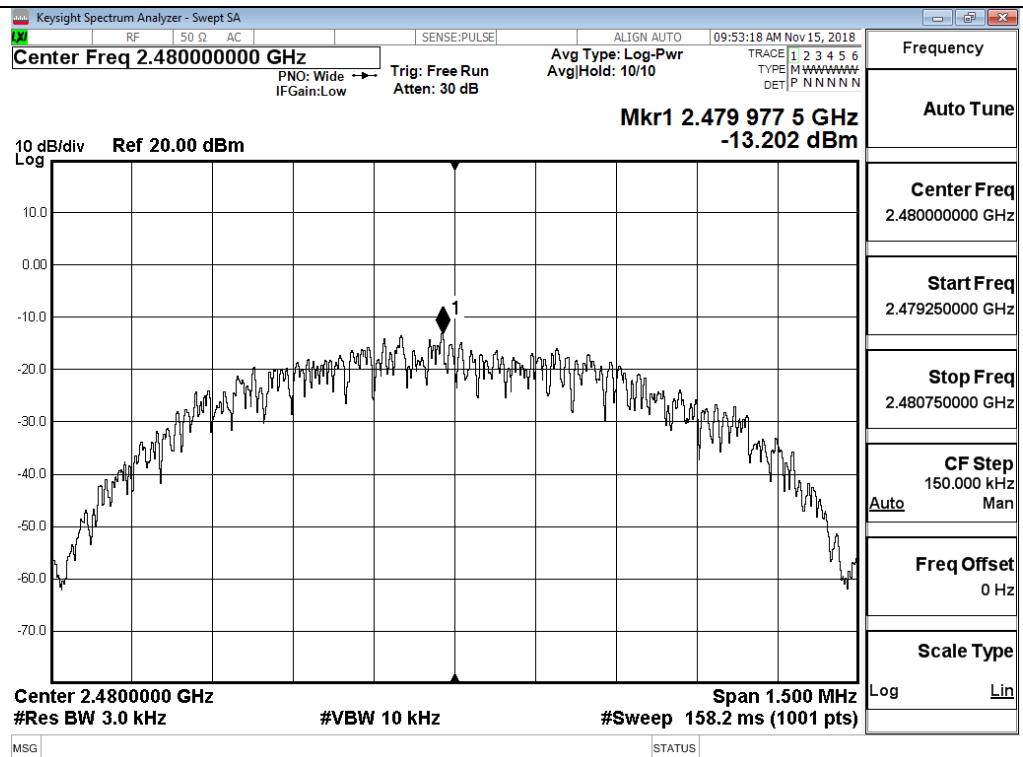
LCH



MCH



HCH

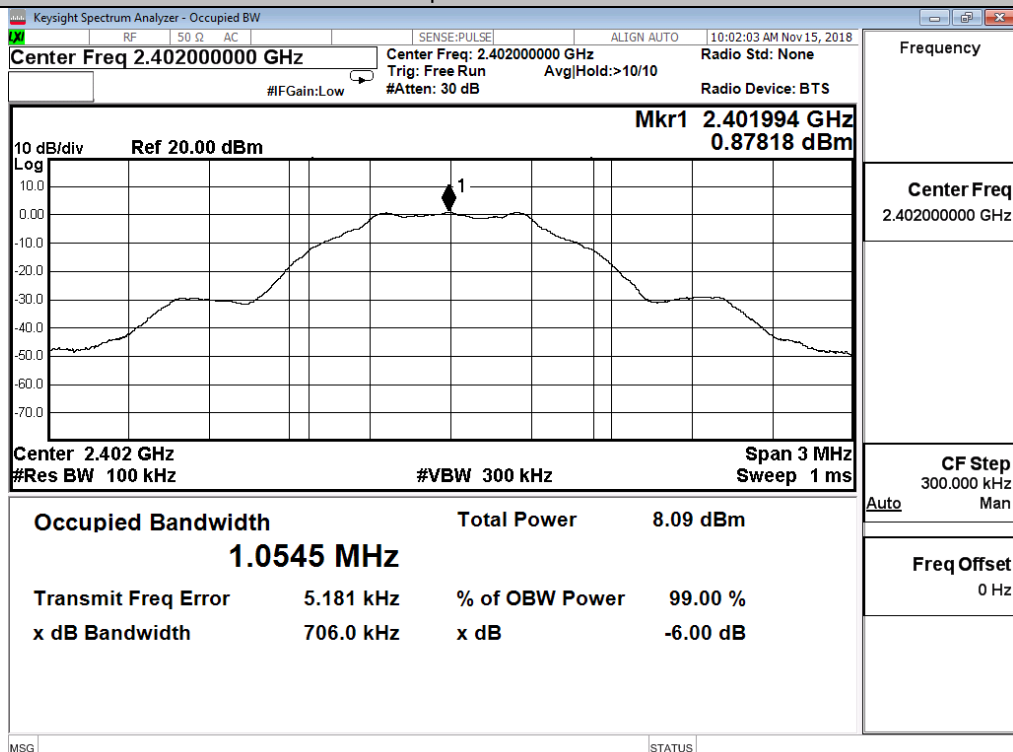


B.4 6dB Bandwidth

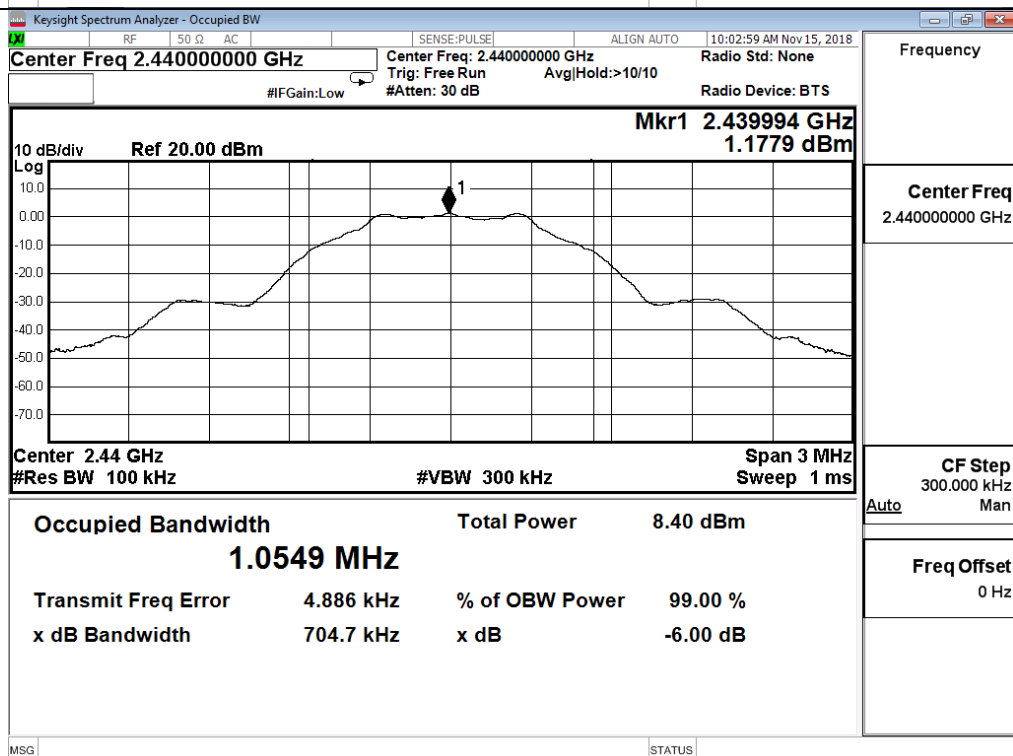
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7060	≥ 0.5	PASS
BT LE	MCH	0.7047	≥ 0.5	PASS
BT LE	HCH	0.6961	≥ 0.5	PASS

Test Graphs

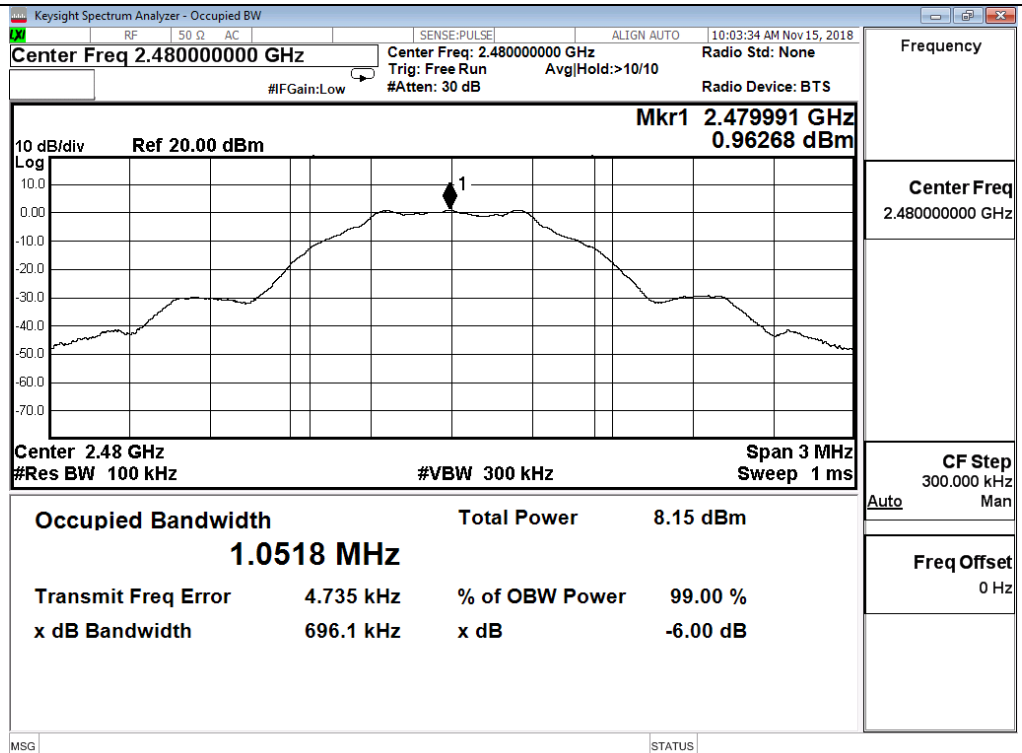
LCH



MCH



HCH

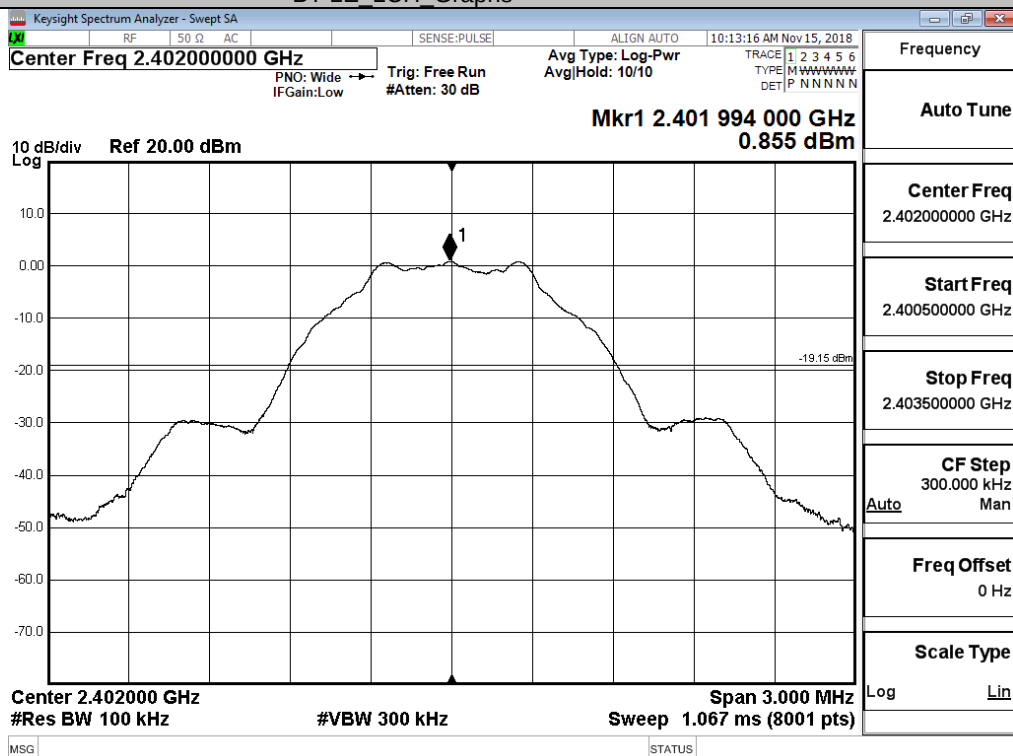


B.5 RF Conducted Spurious Emissions

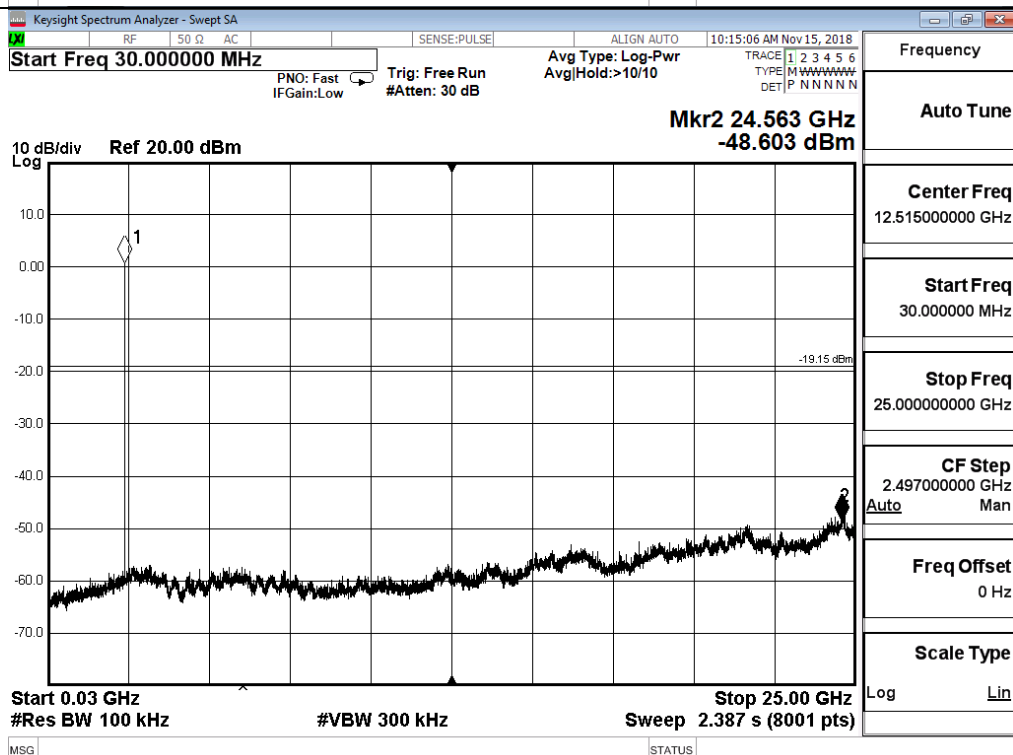
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.855	-48.603	-19.15	PASS
BT LE	MCH	1.091	-48.716	-18.91	PASS
BT LE	HCH	0.827	-49.252	-19.17	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

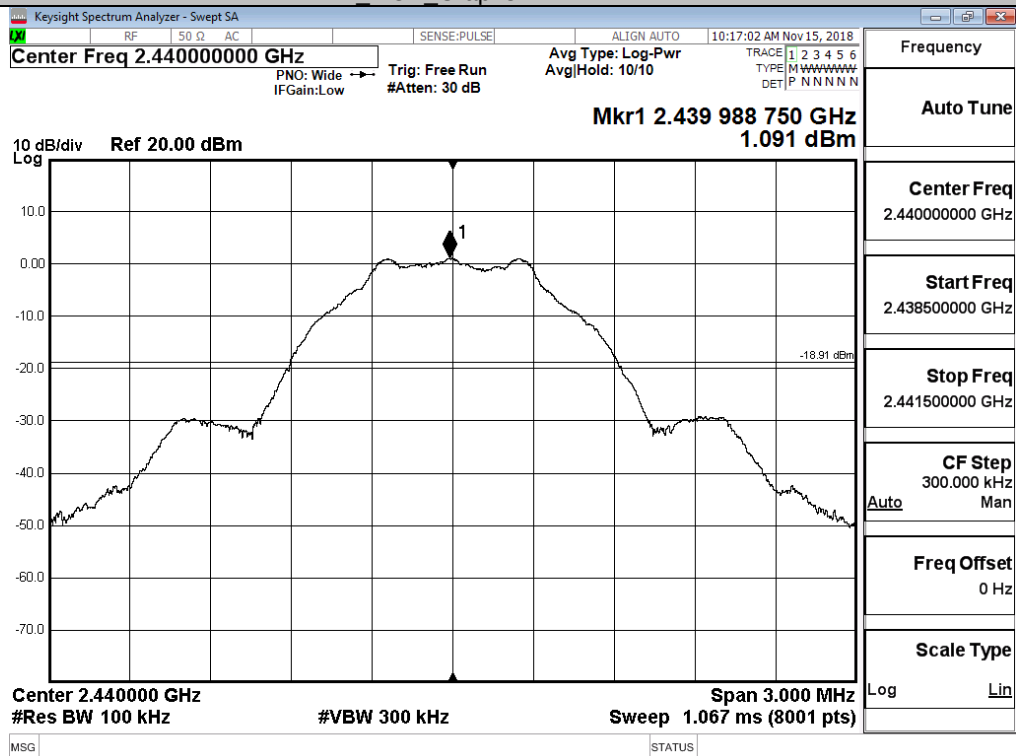


Puw/BT LE/LCH

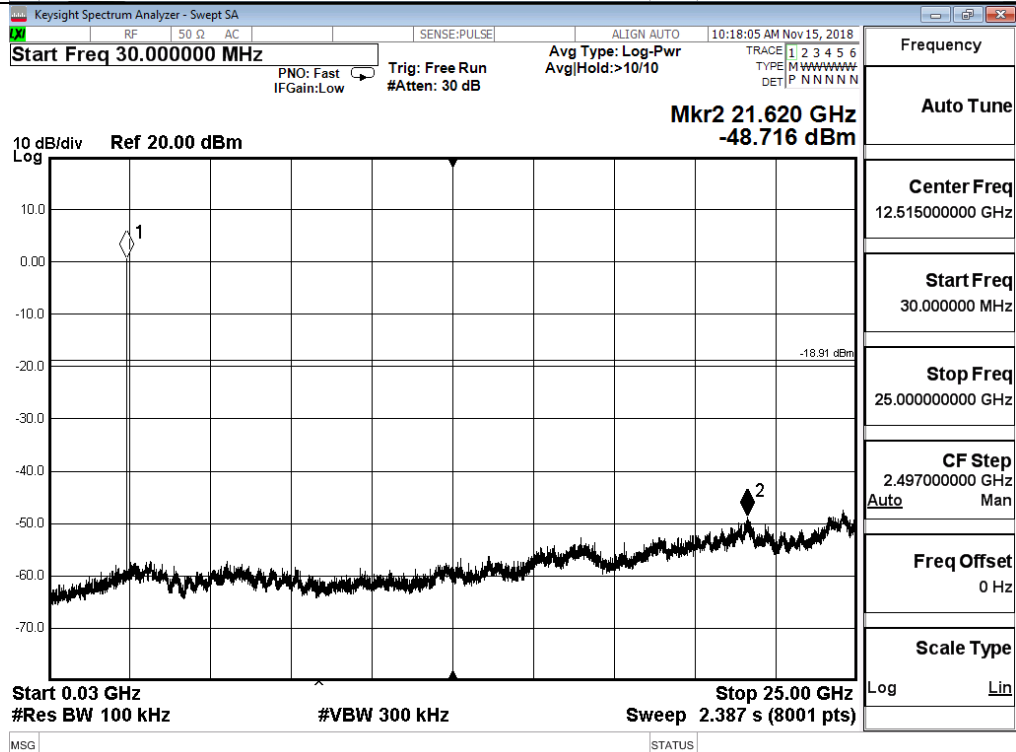


BT LE MCH Graphs

Pref/BT LE/MCH

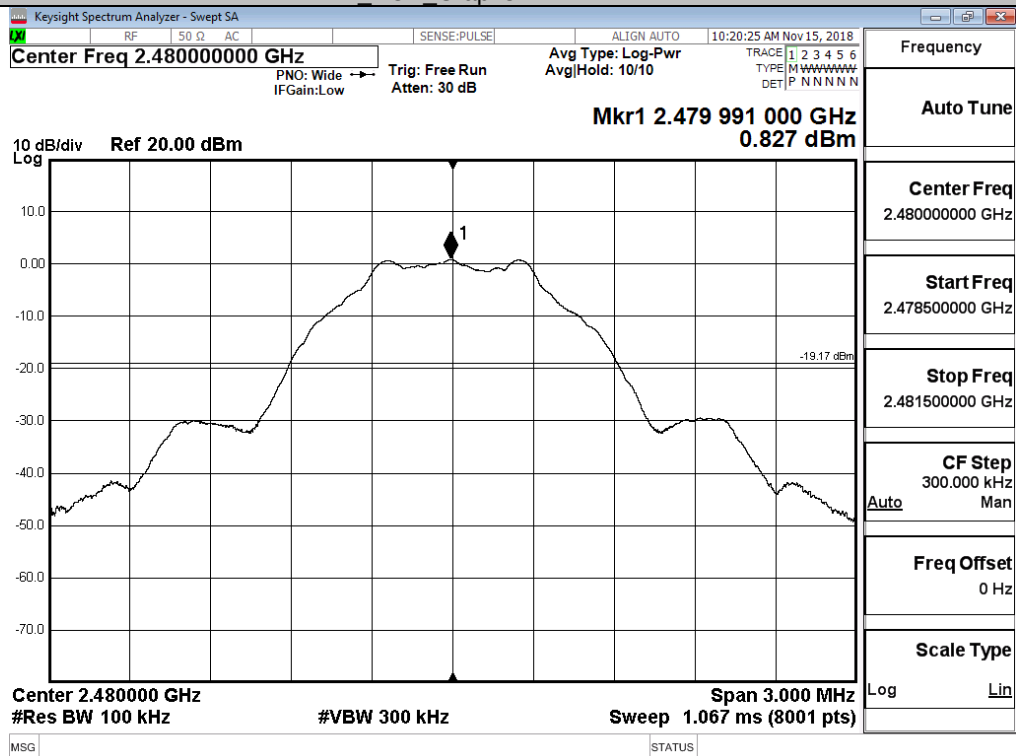


Puw/BT LE/MCH

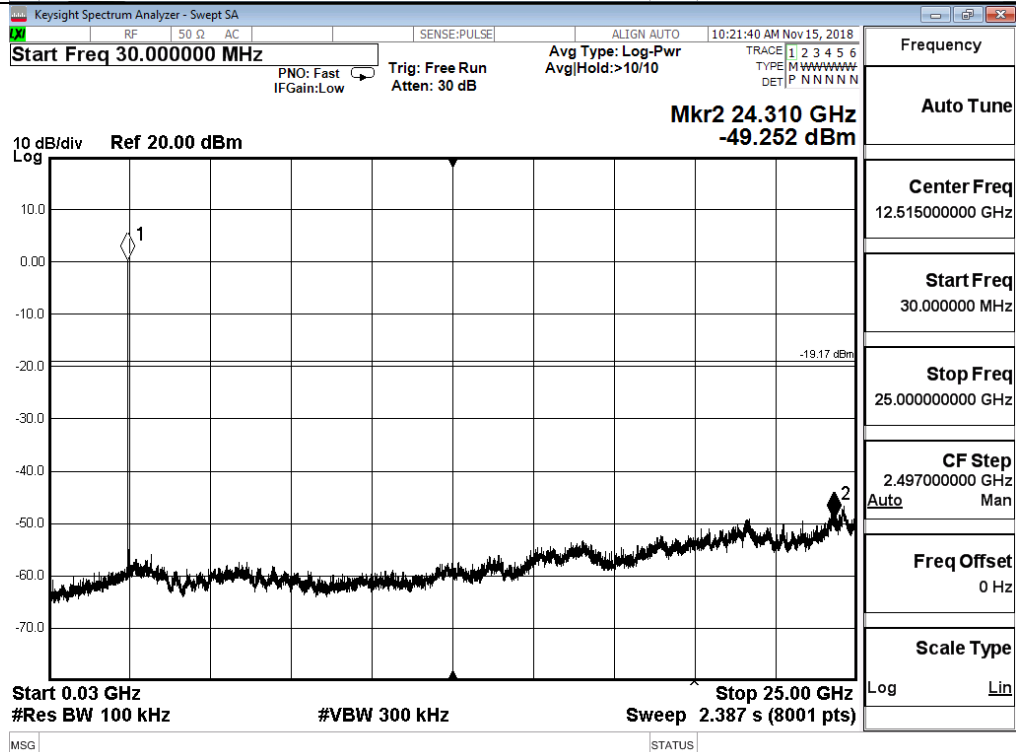


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

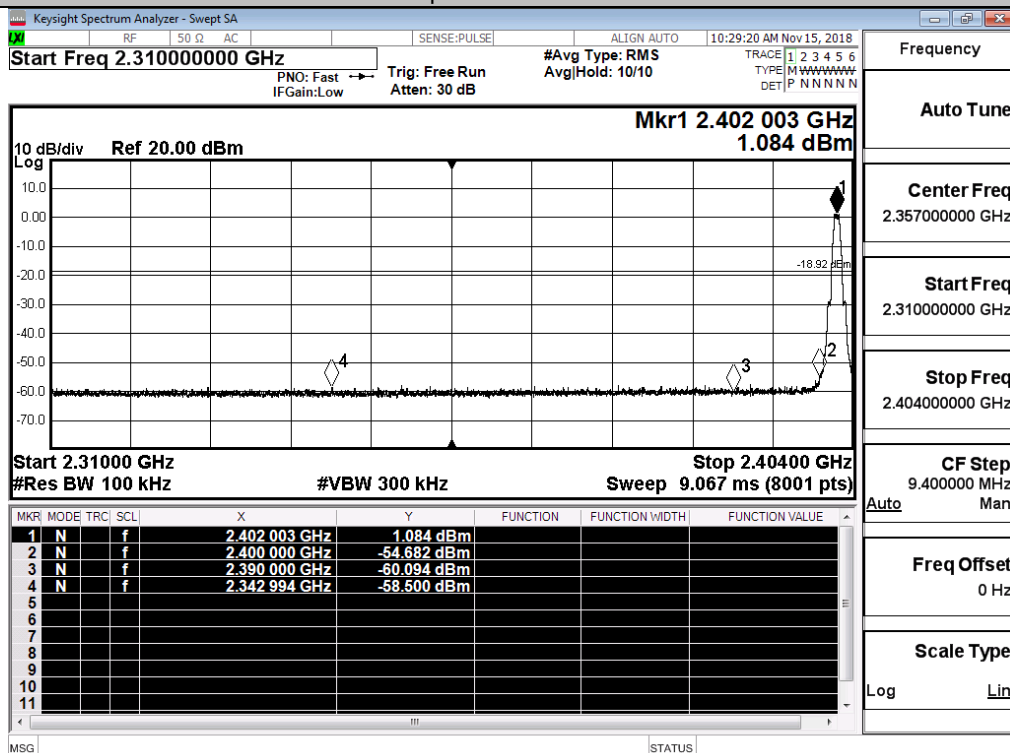


B.6 Band-edge for RF Conducted Emissions

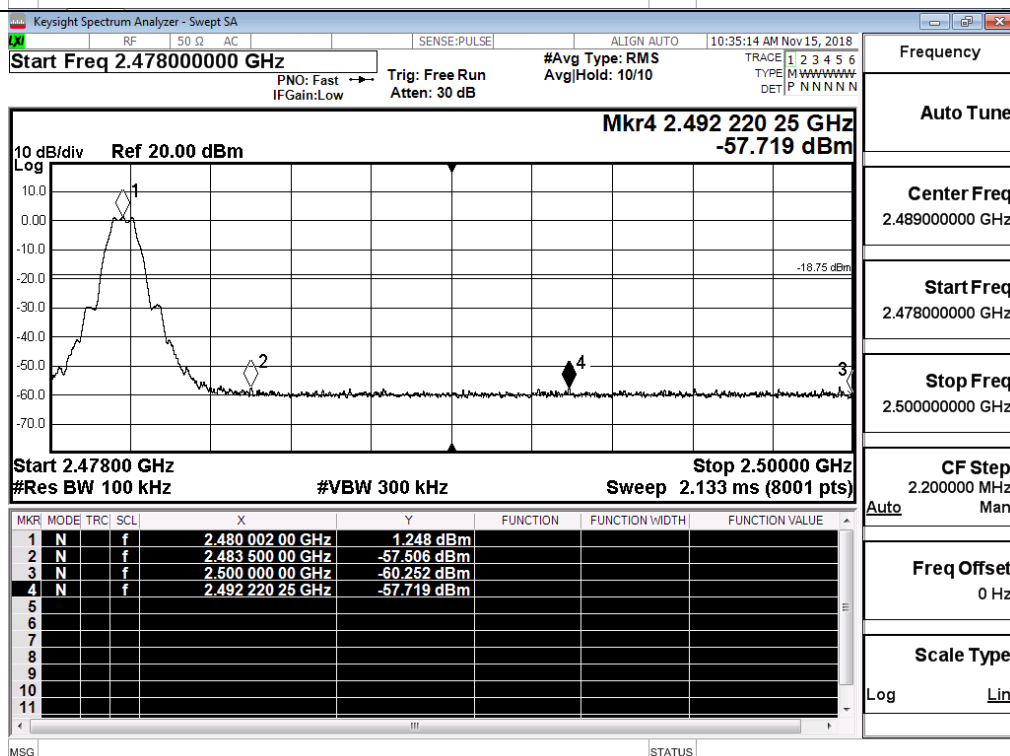
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.084	-58.500	-18.92	PASS
BT LE	HCH	1.248	-57.719	-18.75	PASS

Test Graphs

LCH



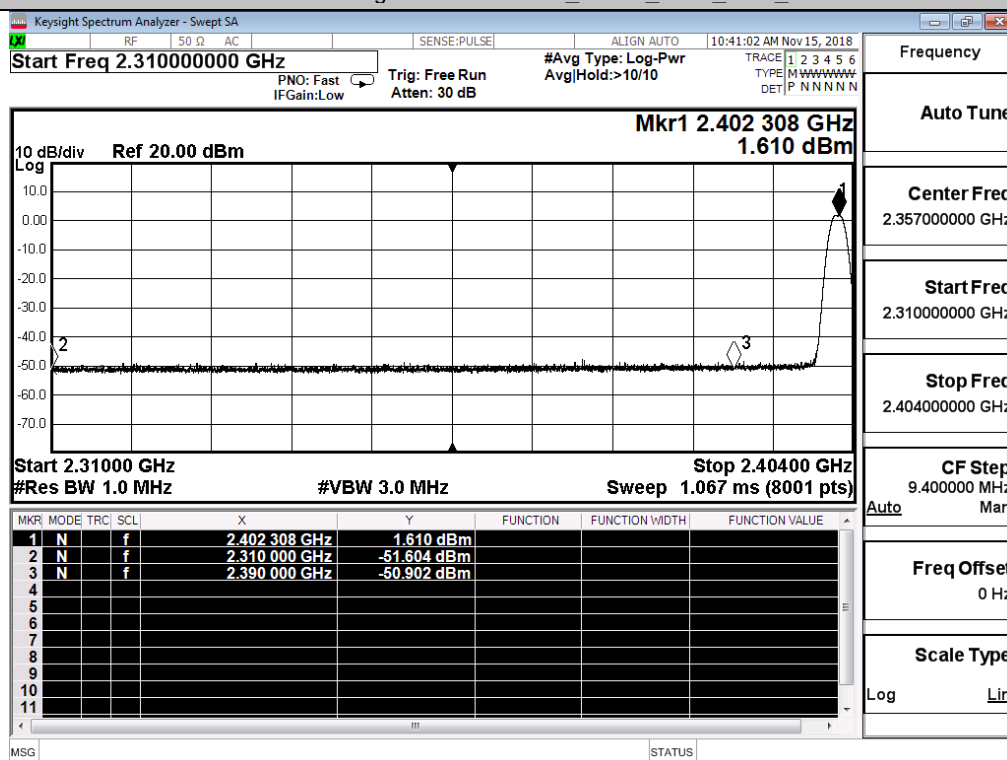
HCH



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	-51.604	2.0	0	45.66	PEAK	74	PASS
		Ant1	2390.0	-50.902	2.0	0	46.36	PEAK	74	PASS
	2480	Ant1	2483.5	-49.623	2.0	0	47.64	PEAK	74	PASS
		Ant1	2500.0	-51.055	2.0	0	46.21	PEAK	74	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK

