

Appendix B

RF Test Data for BT 5.0(BLE) (Conducted Measurement)

Product Name: TWS Wireless Speaker

Trade Mark: N/A

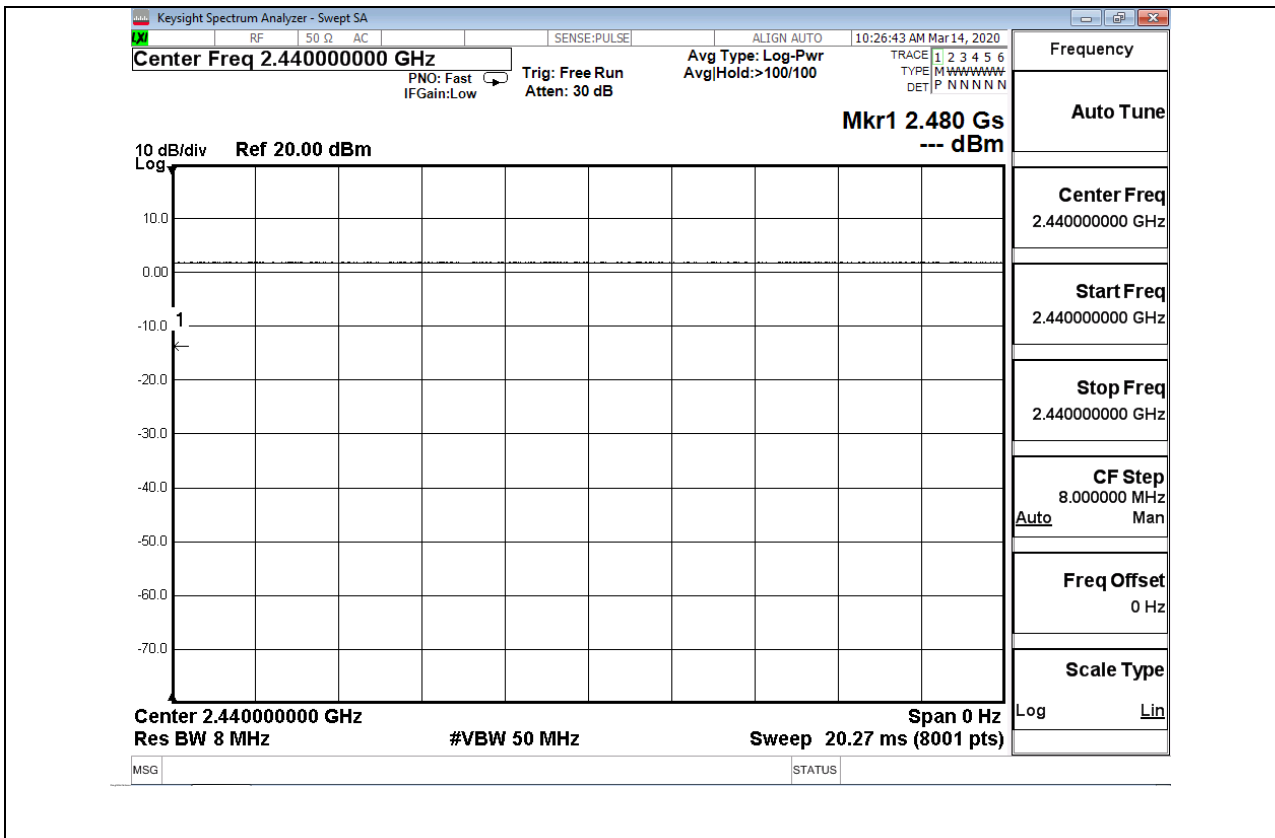
Test Model: HT-1315

Environmental Conditions

Temperature:	23.2 °C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	CHUANG WANG
Supervised by:	Jayden.Zhuo

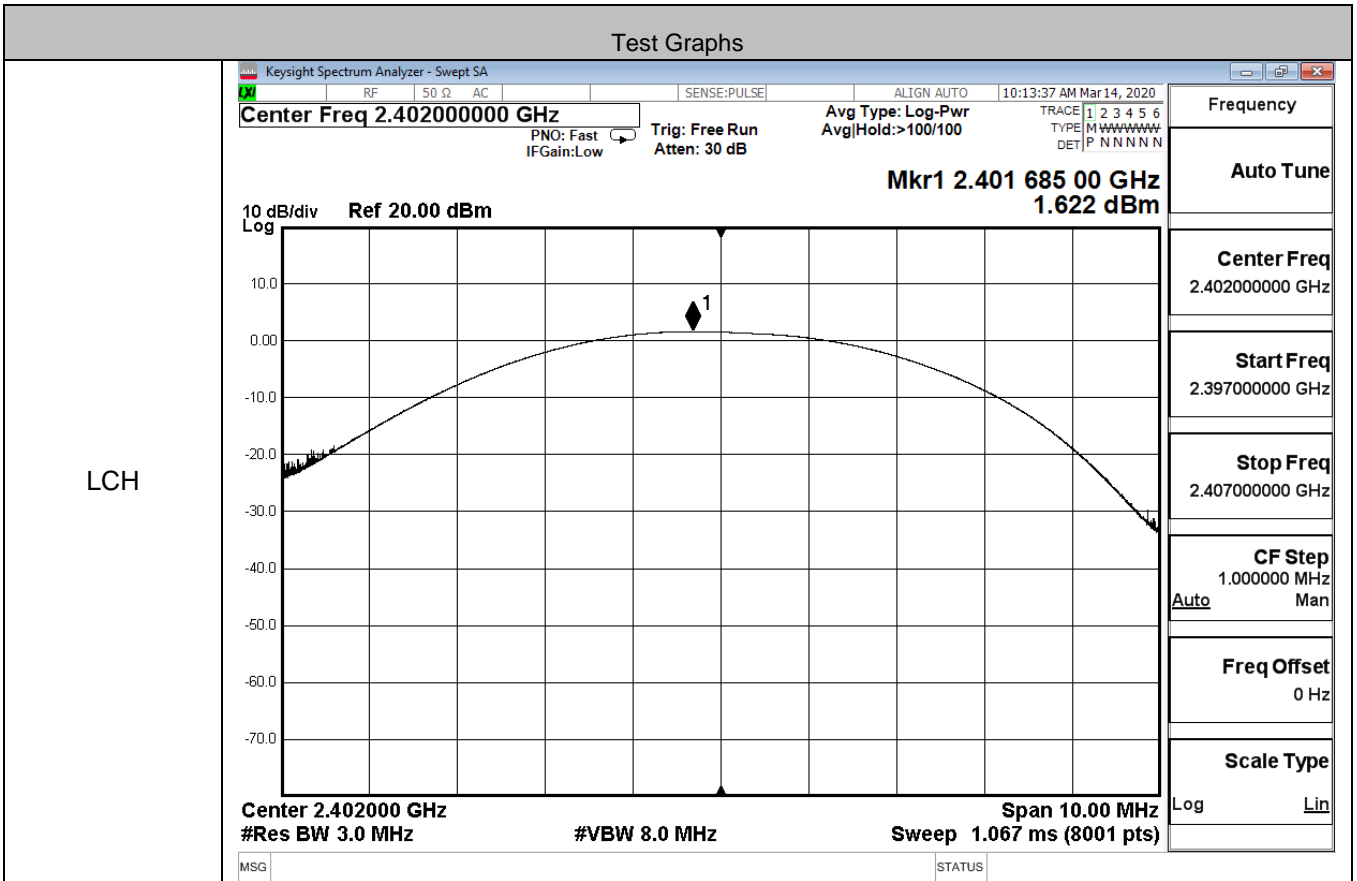
B.1 Duty Cycle

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

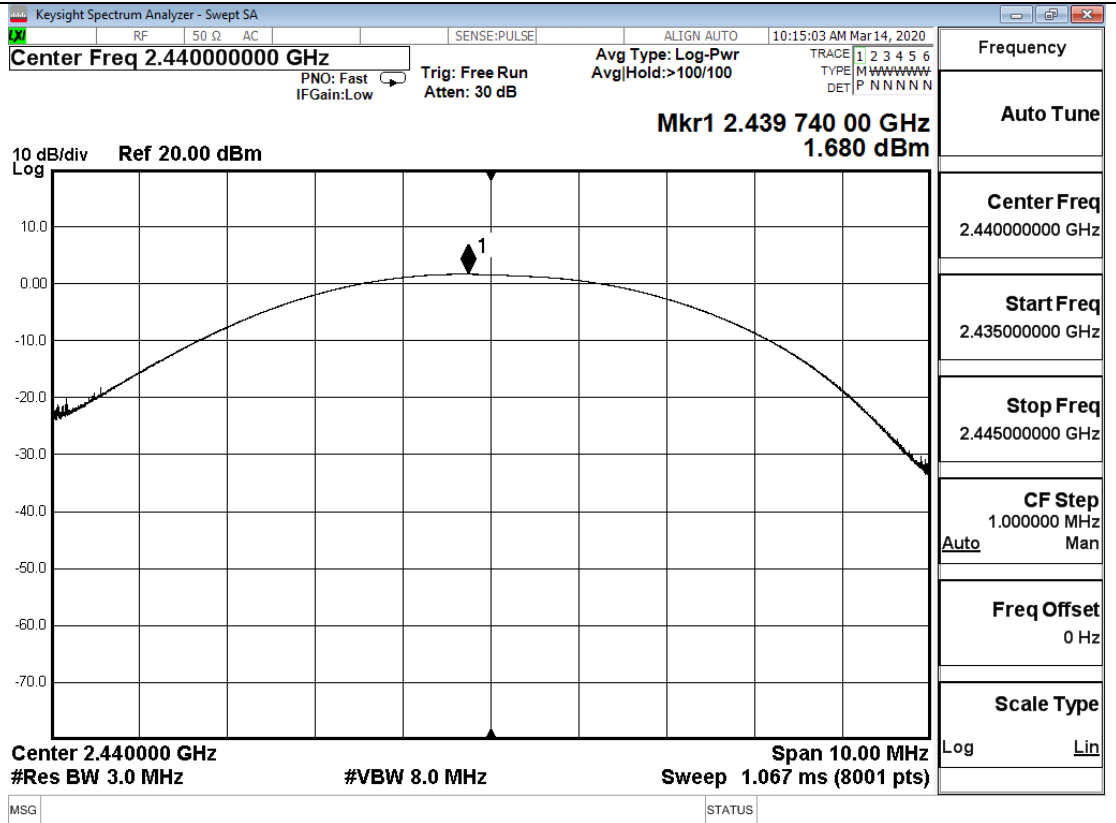


B.2 Maximum Conducted Peak Output Power

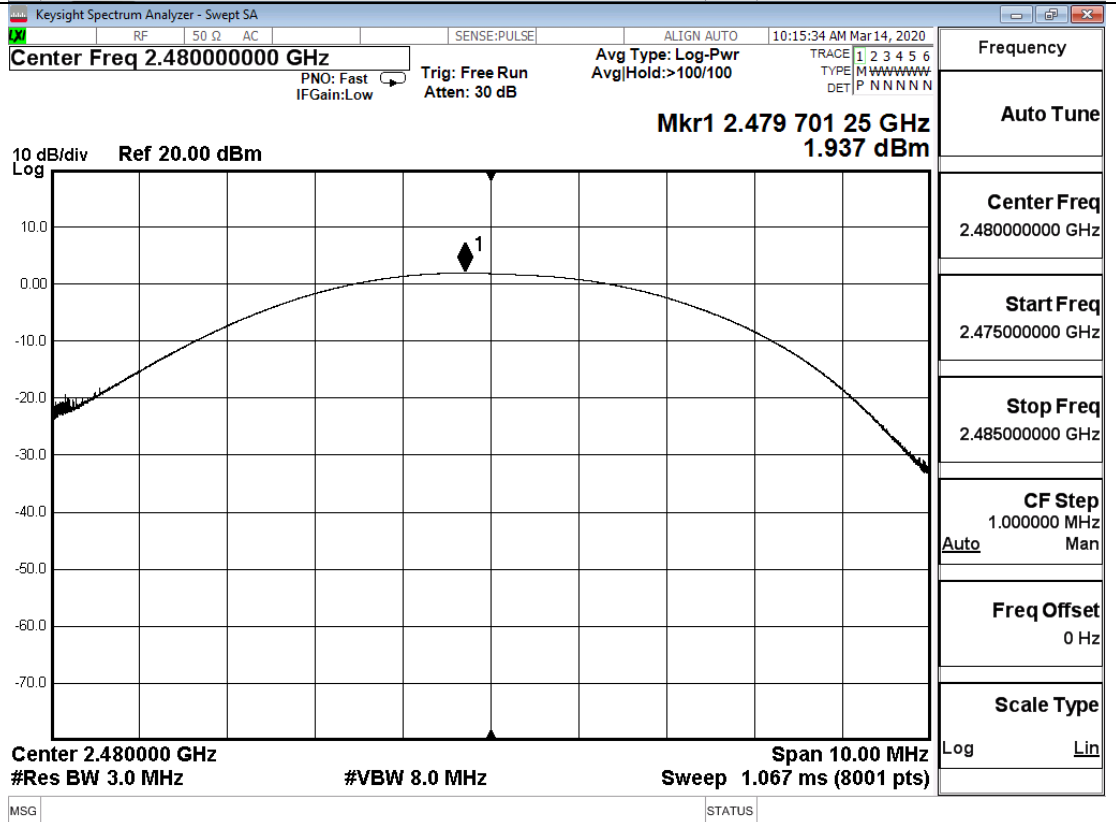
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.622	30	PASS
BT LE	MCH	1.680	30	PASS
BT LE	HCH	1.937	30	PASS



MCH

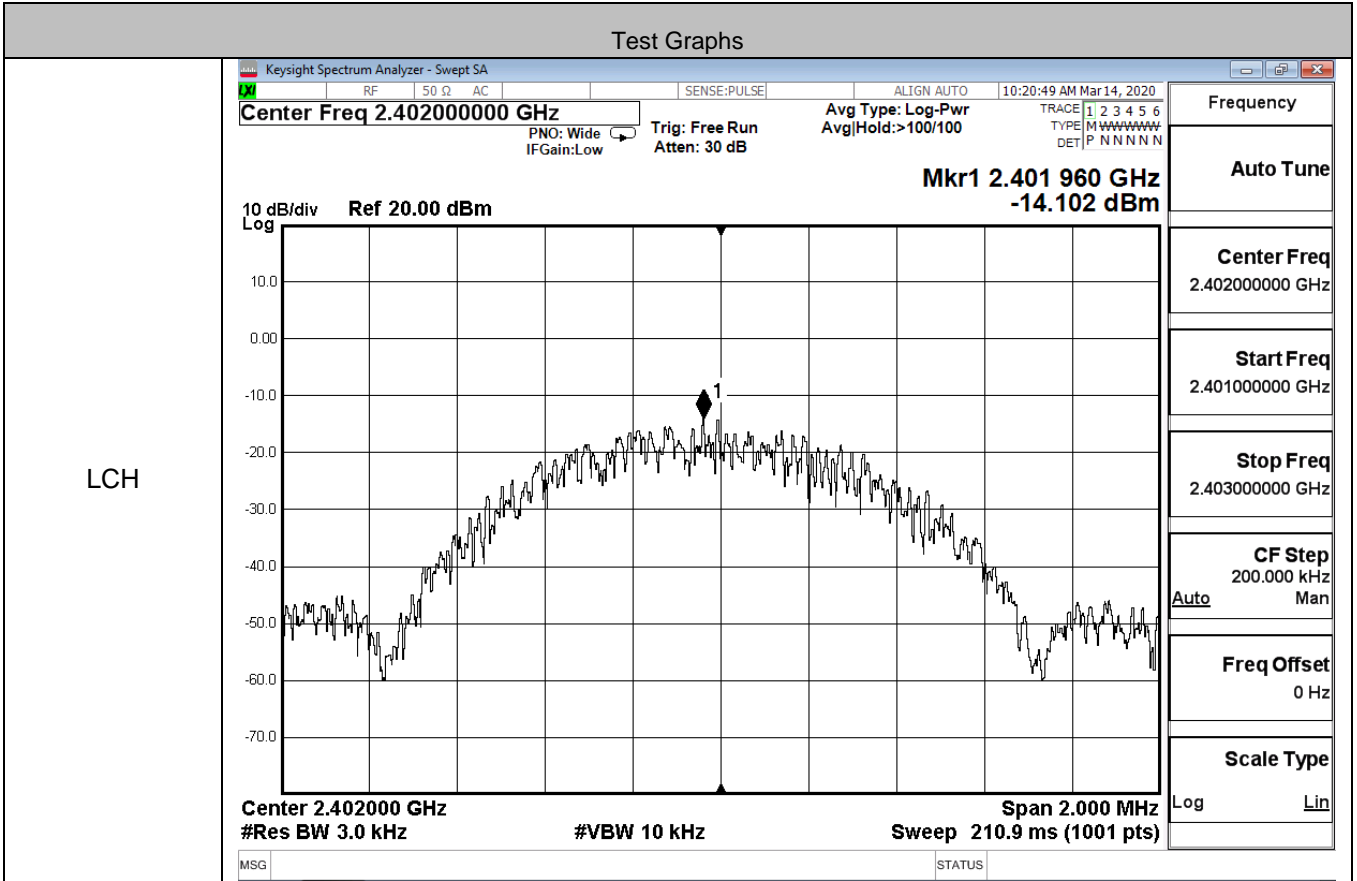


HCH

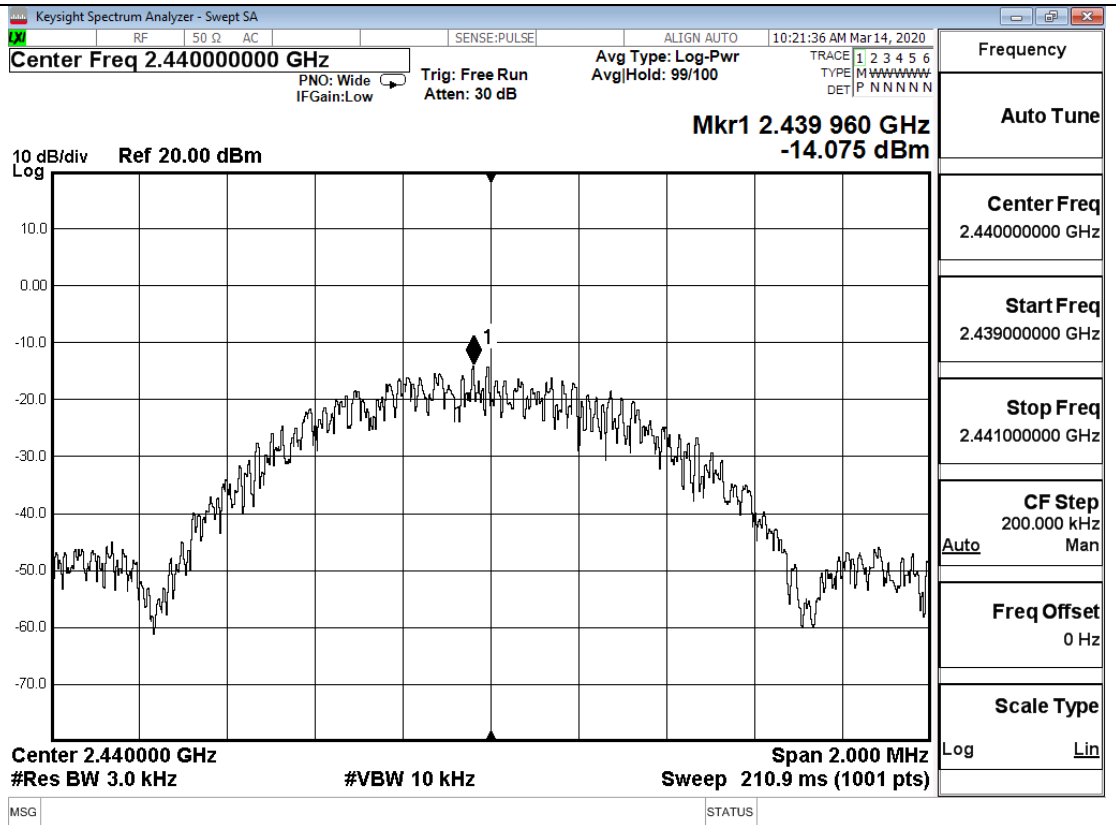


B.3 Maximum Power Spectral Density

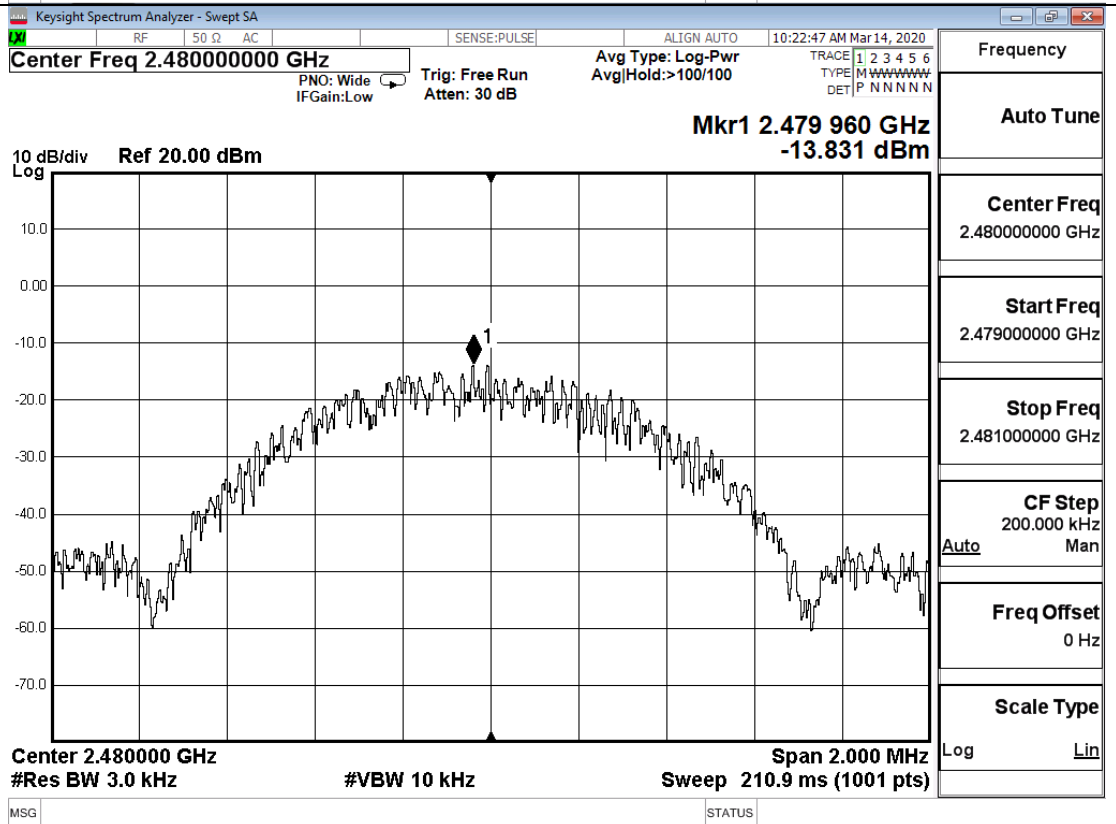
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.102	8	PASS
BT LE	MCH	-14.075	8	PASS
BT LE	HCH	-13.831	8	PASS



MCH

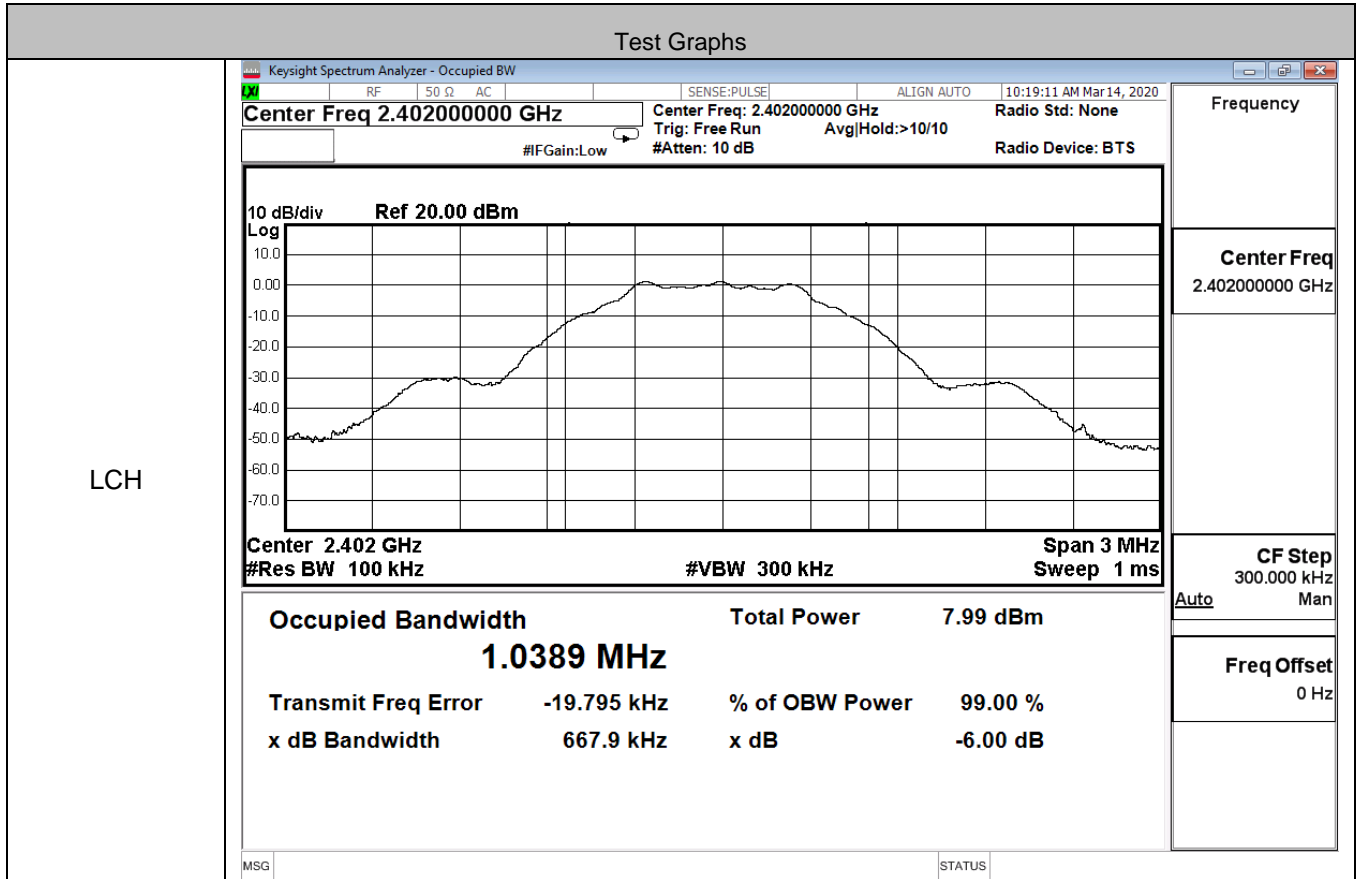


HCH

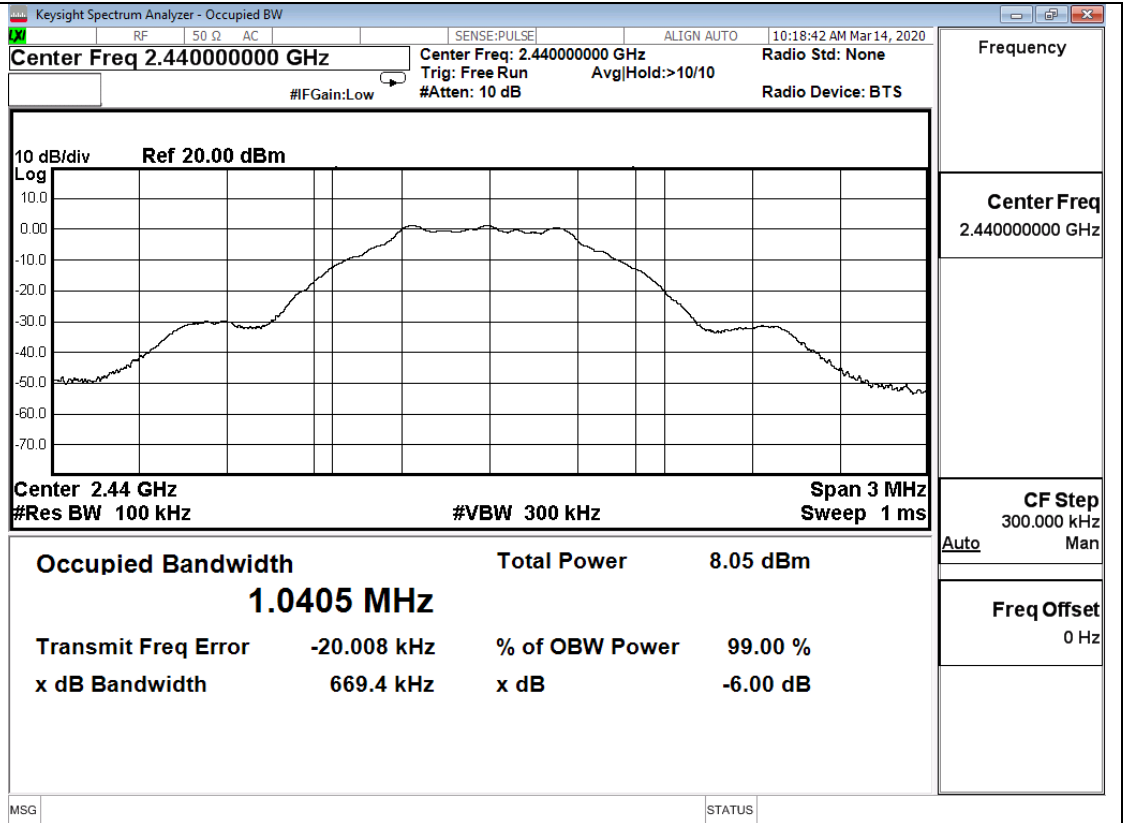


B.4 6dB Bandwidth

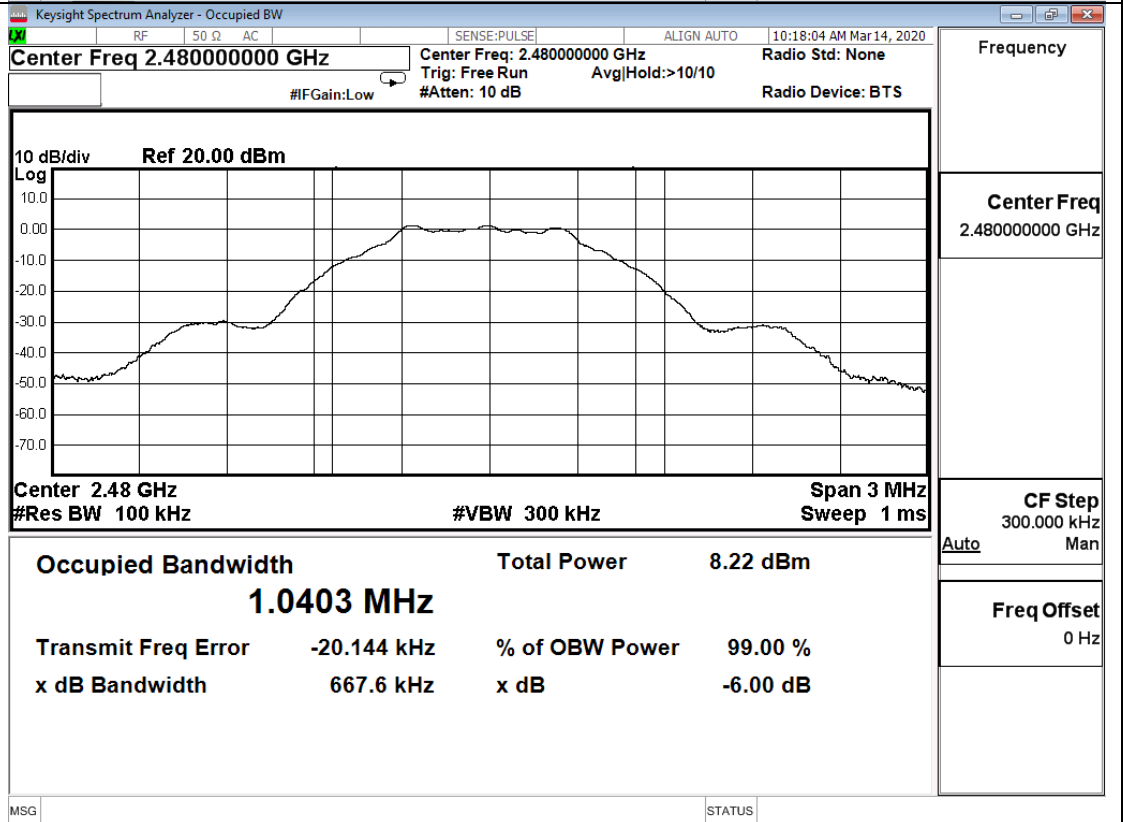
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6679	≥0.5	PASS
BT LE	MCH	0.6694	≥0.5	PASS
BT LE	HCH	0.6676	≥0.5	PASS



MCH



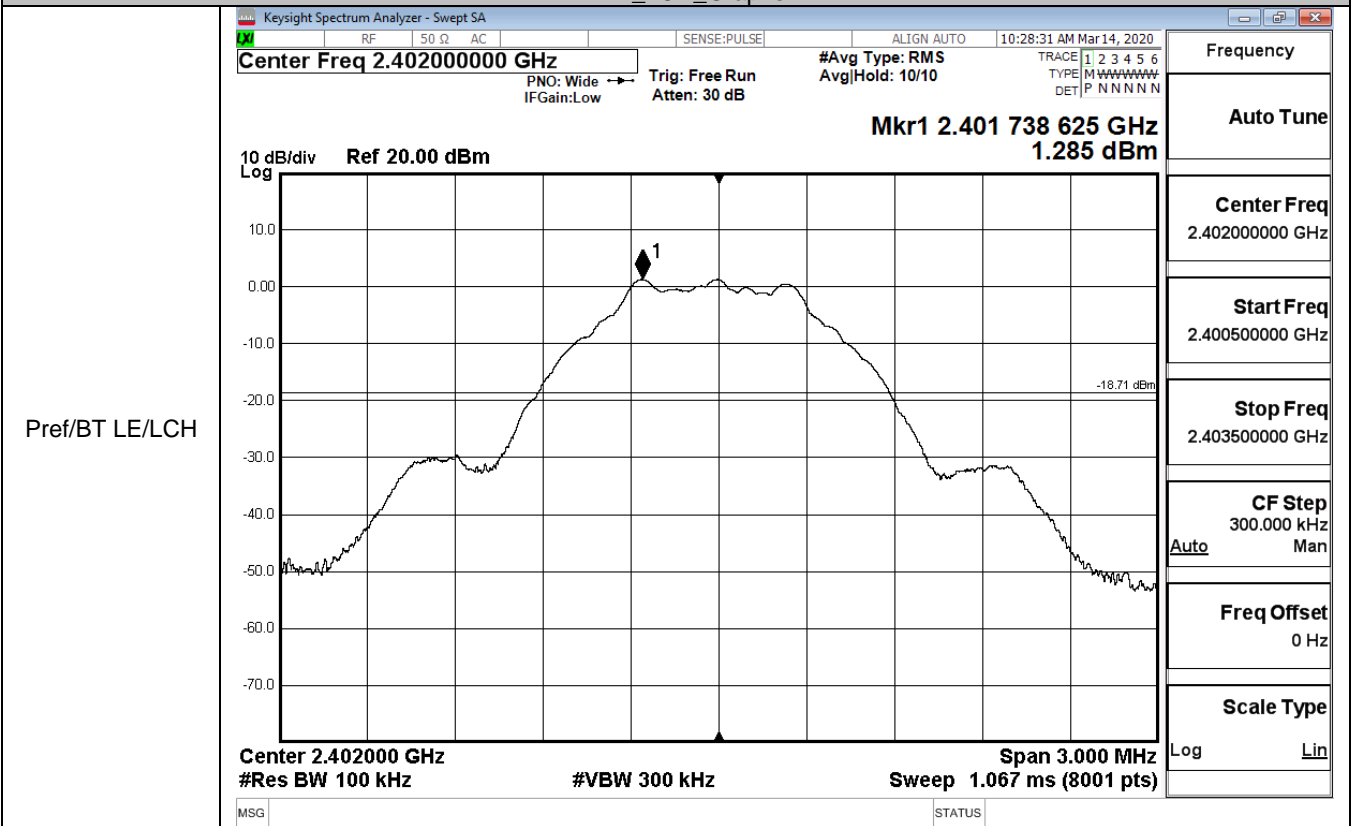
HCH



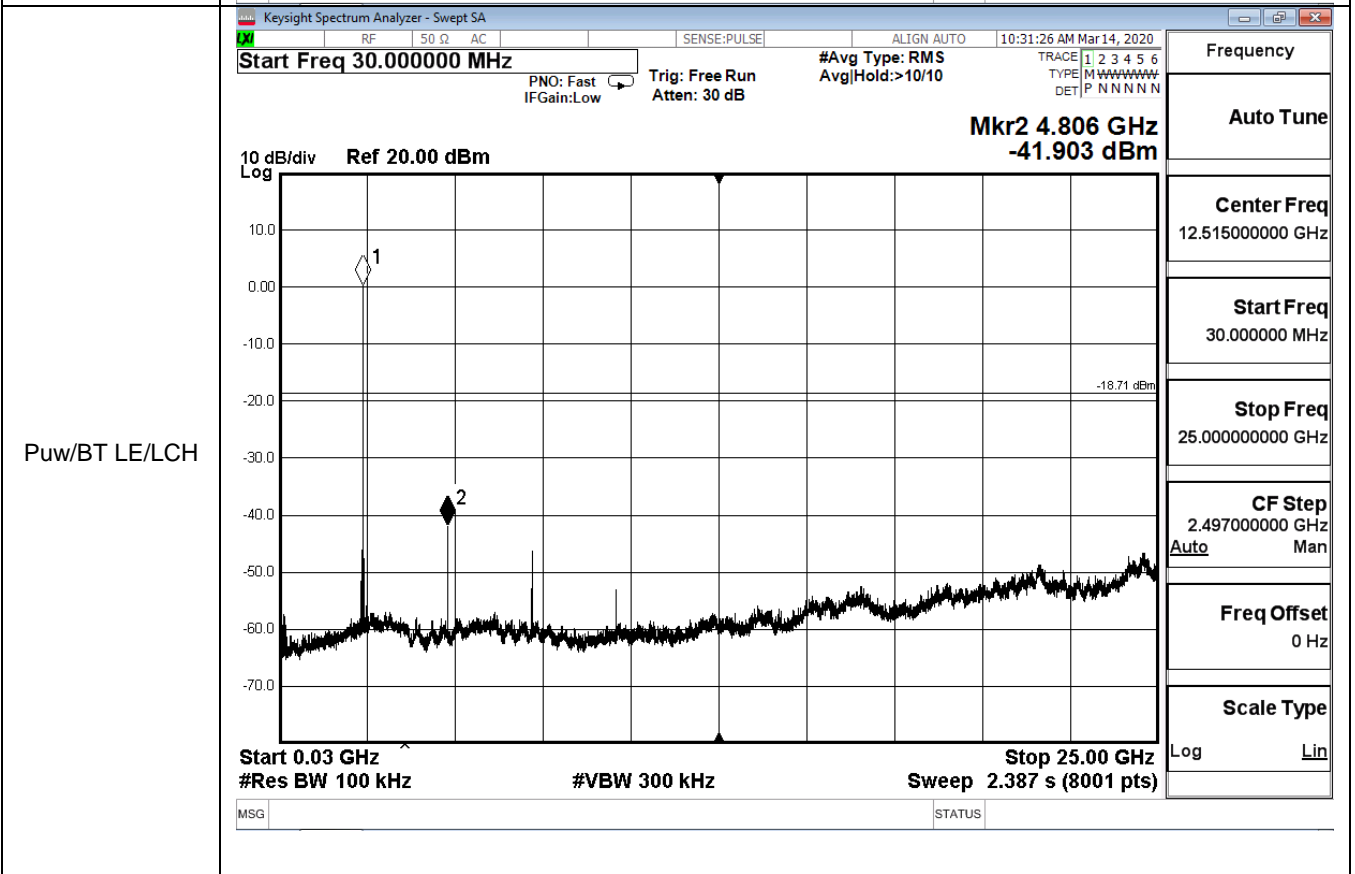
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.285	-41.903	-18.72	PASS
BT LE	MCH	1.378	-40.629	-18.62	PASS
BT LE	HCH	1.621	-40.312	-18.38	PASS

BT LE_LCH_Graphs



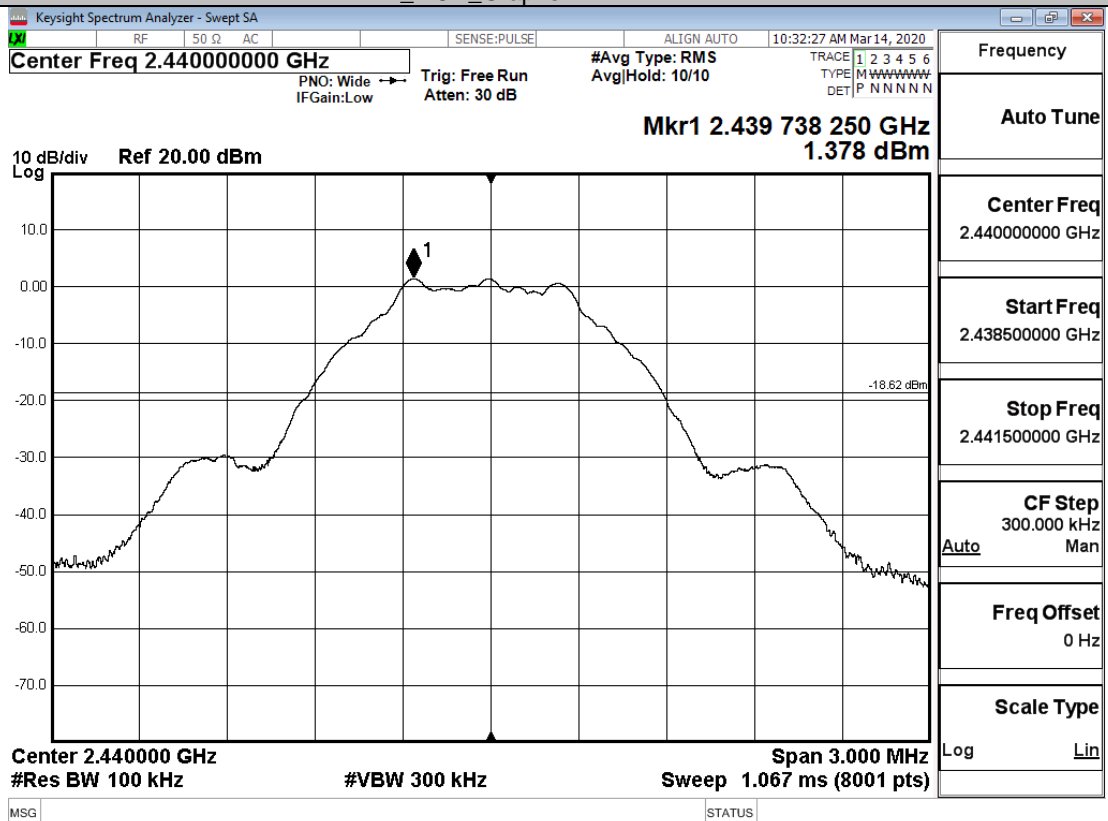
Pref/BT LE/LCH



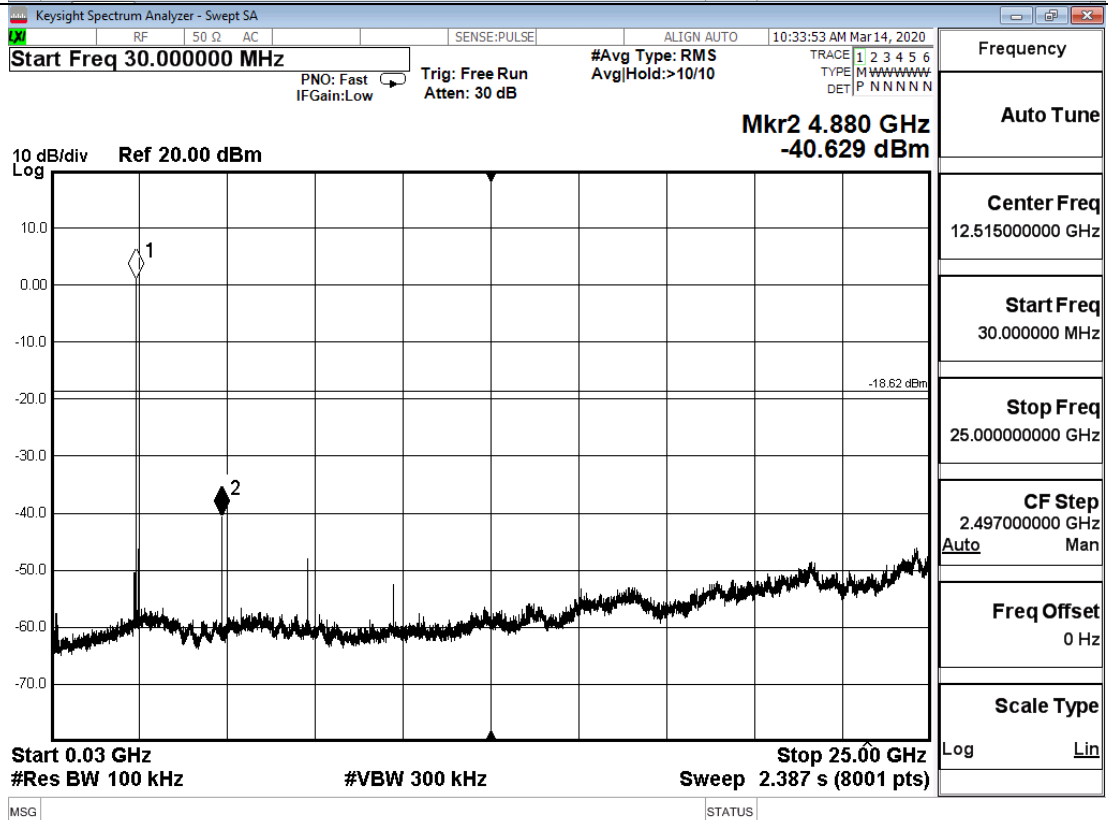
Puw/BT LE/LCH

BT LE_MCH_Graphs

Pref/BT LE/MCH

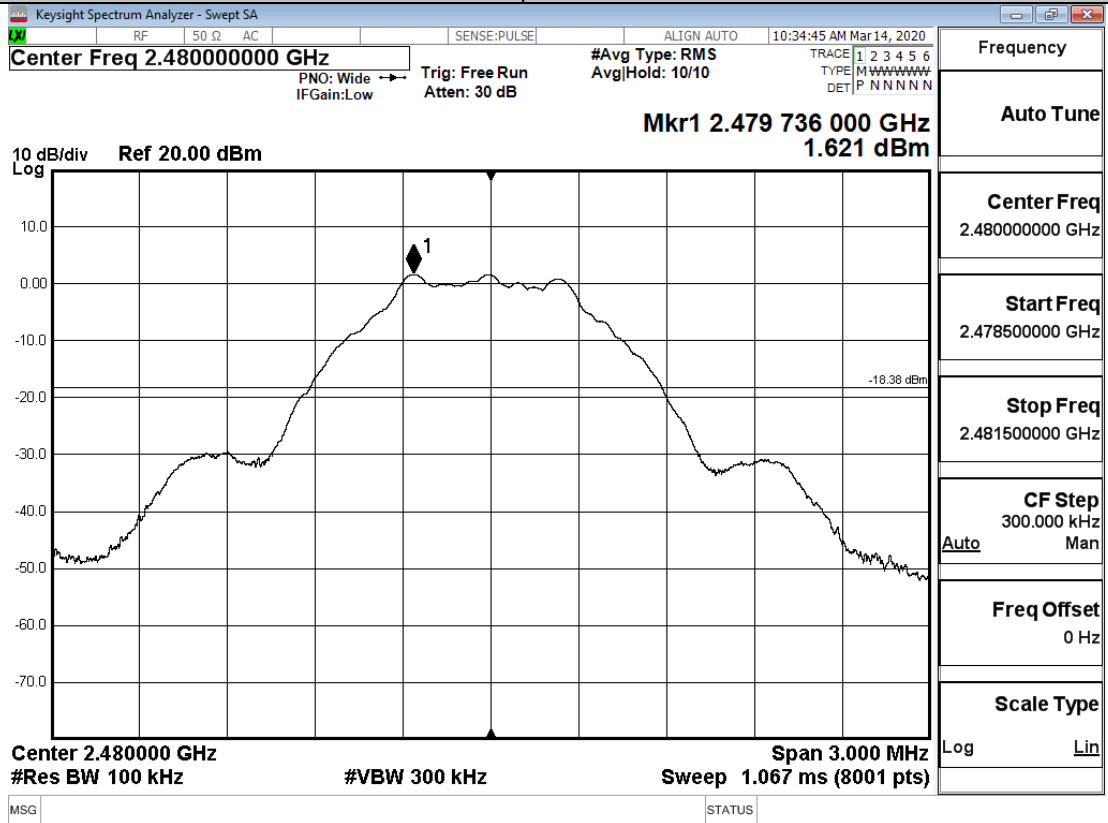


Puw/BT LE/MCH

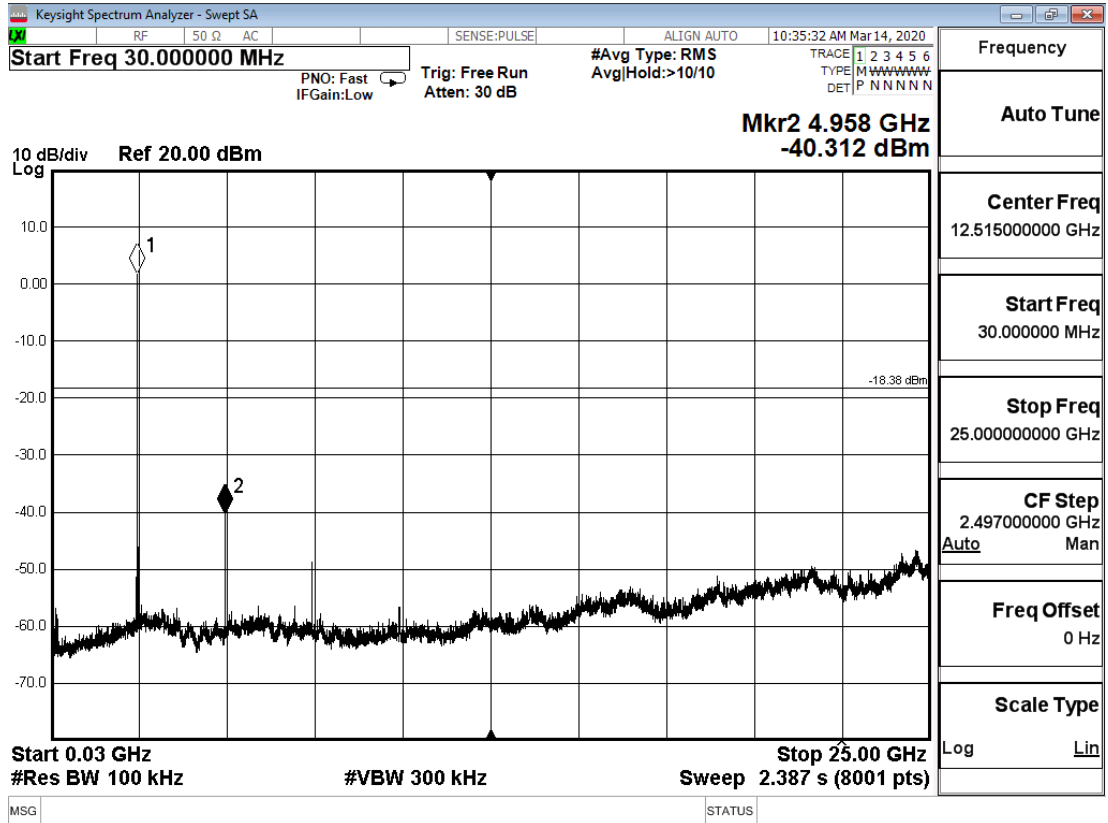


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

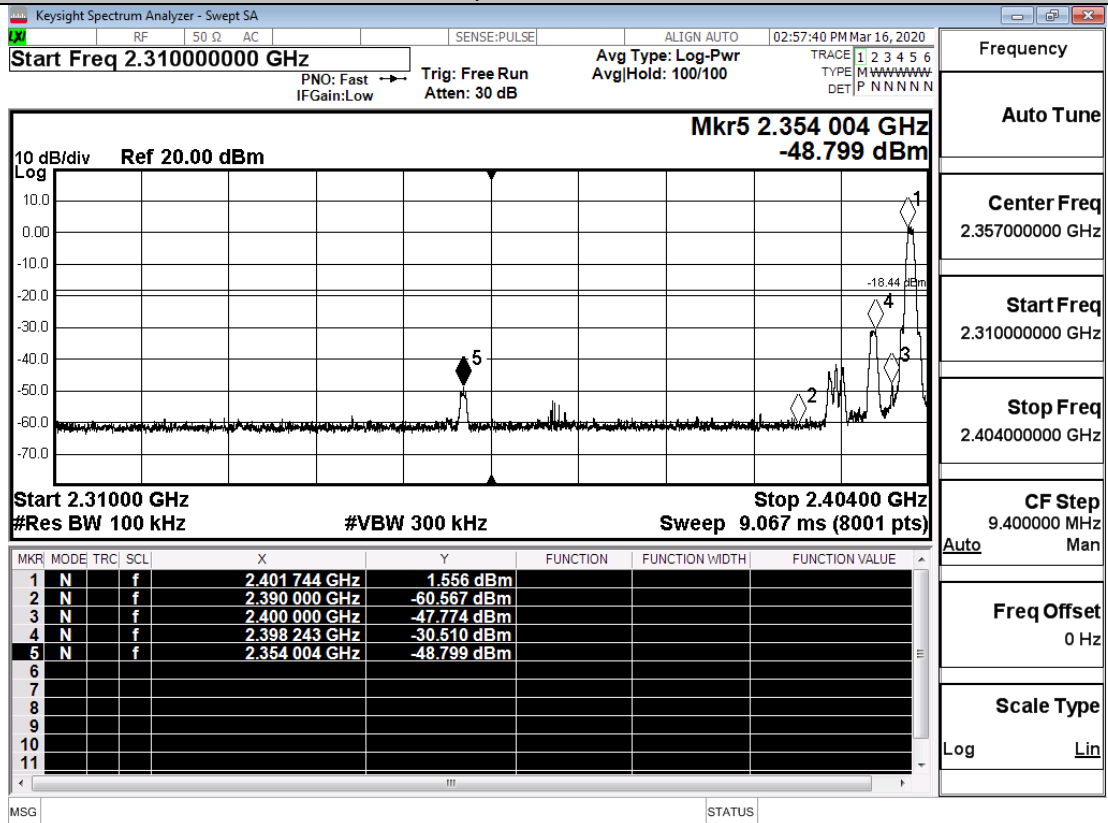


B.6 Band-edge for RF Conducted Emissions

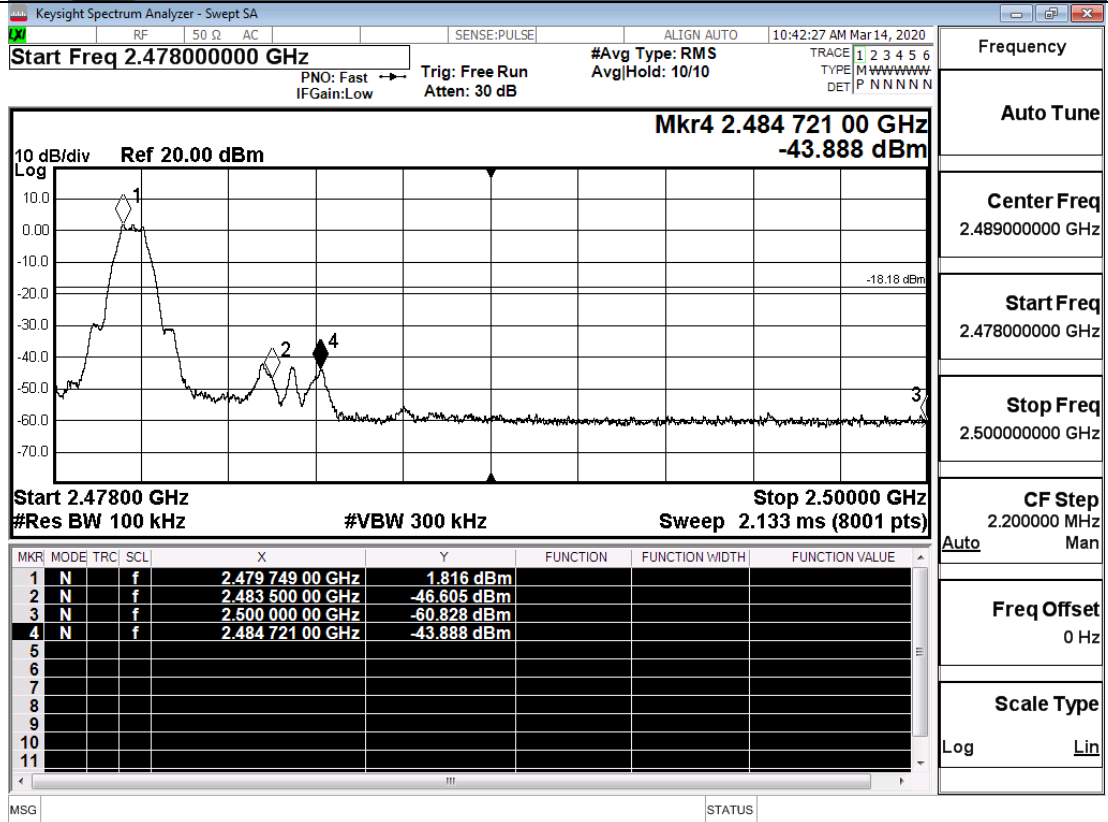
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.556	-30.510	-18.44	PASS
BT LE	HCH	1.816	-43.888	-18.18	PASS

Test Graphs

LCH



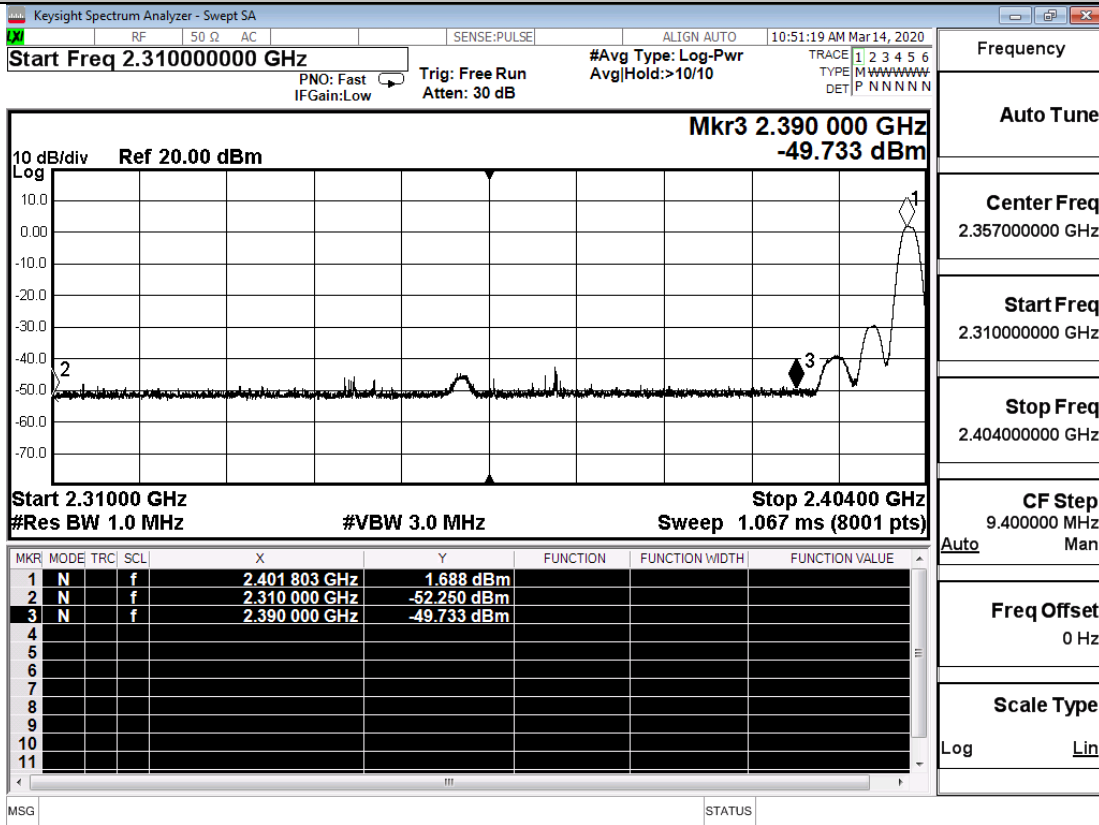
HCH



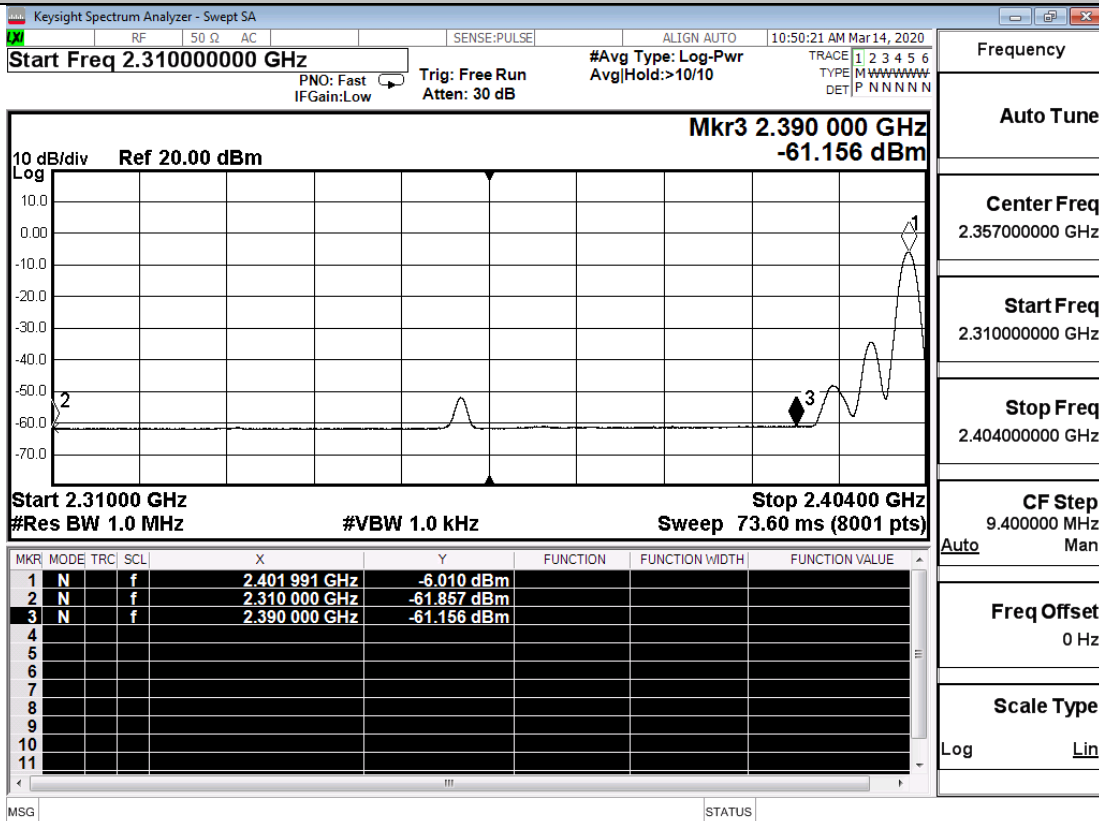
B.7 Restrict-band band-edge measurements

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	-52.250	2.00	0	44.98	PEAK	74	PASS
		Ant1	2310.0	-61.857	2.00	0	35.37	AV	54	PASS
		Ant1	2390.0	-49.733	2.00	0	47.50	PEAK	74	PASS
		Ant1	2390.0	-61.156	2.00	0	36.07	AV	54	PASS
	2480	Ant1	2483.5	-39.329	2.00	0	57.90	PEAK	74	PASS
		Ant1	2483.5	-49.402	2.00	0	47.83	AV	54	PASS
		Ant1	2500.0	-51.119	2.00	0	46.11	PEAK	74	PASS
		Ant1	2500.0	-61.083	2.00	0	36.15	AV	54	PASS

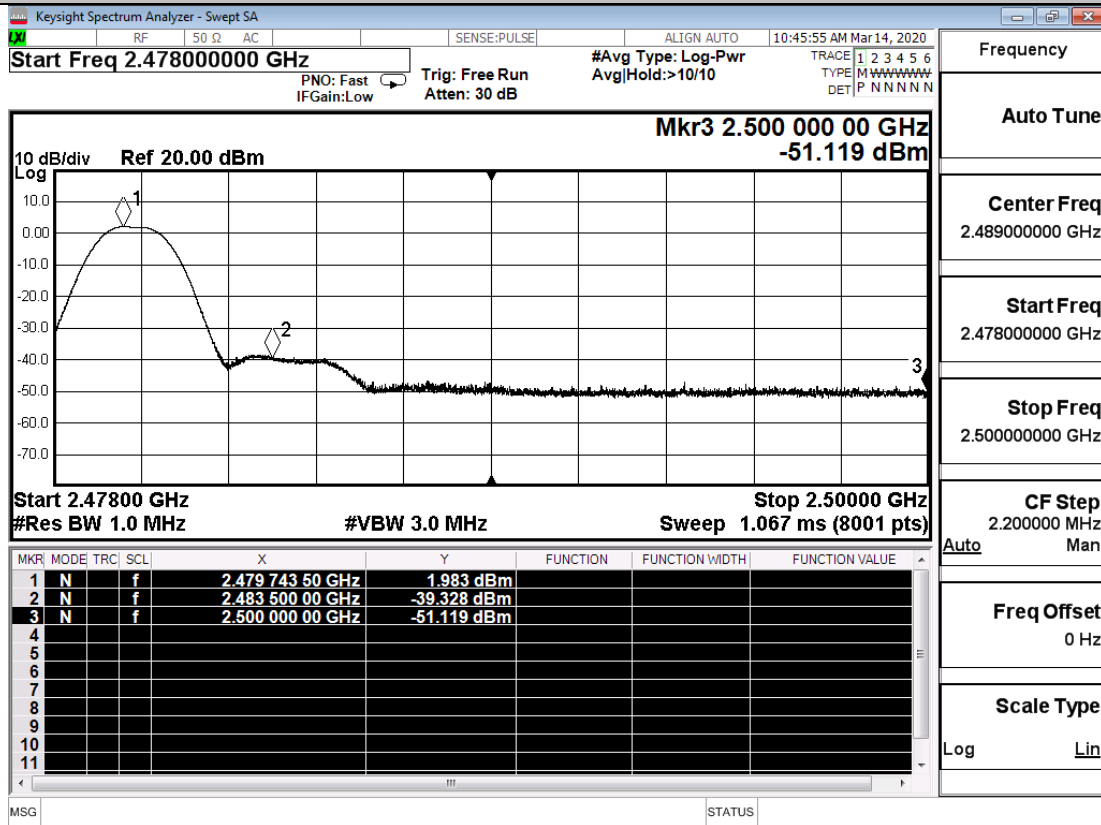
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

