

Appendix A

RF Test Data for BT 4.0 (BLE) (Conducted Measurement)

Product Name: Wireless Blood Pressure Monitor

Trade Mark: N/A

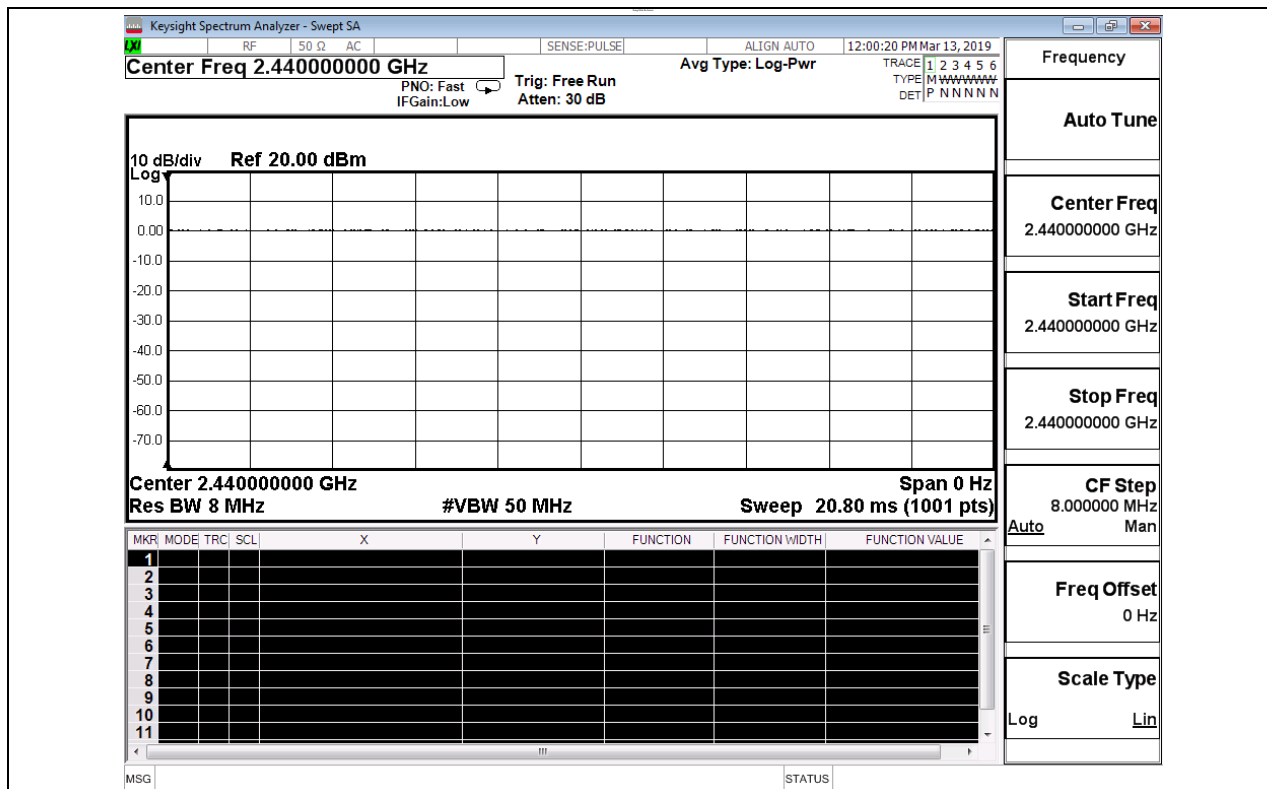
Test Model: KD-552

Environmental Conditions

Temperature:	24.1 ° C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	AKING JIN
Supervised by:	Jayden.Zhuo

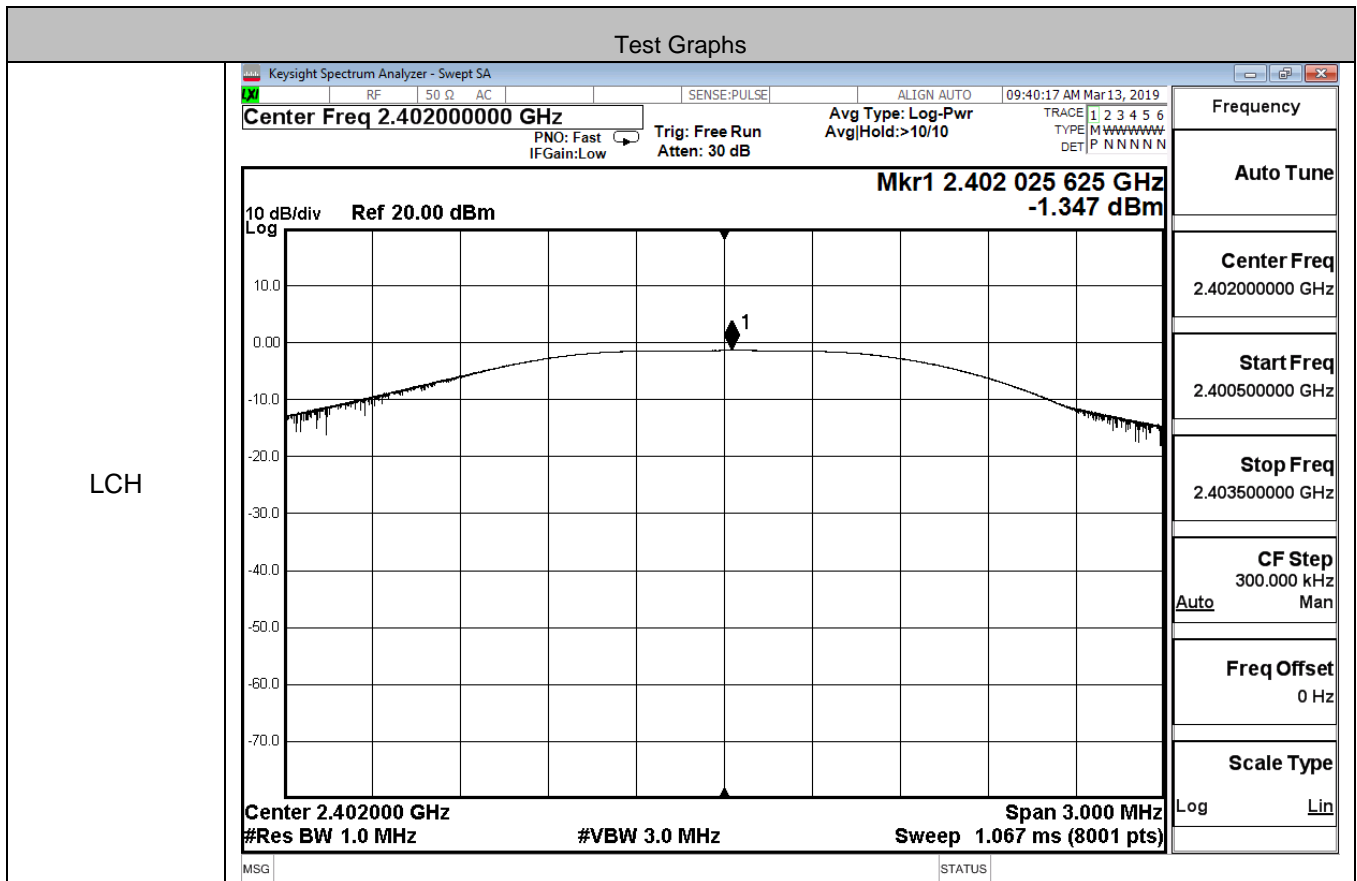
A.1 Duty Cycle

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

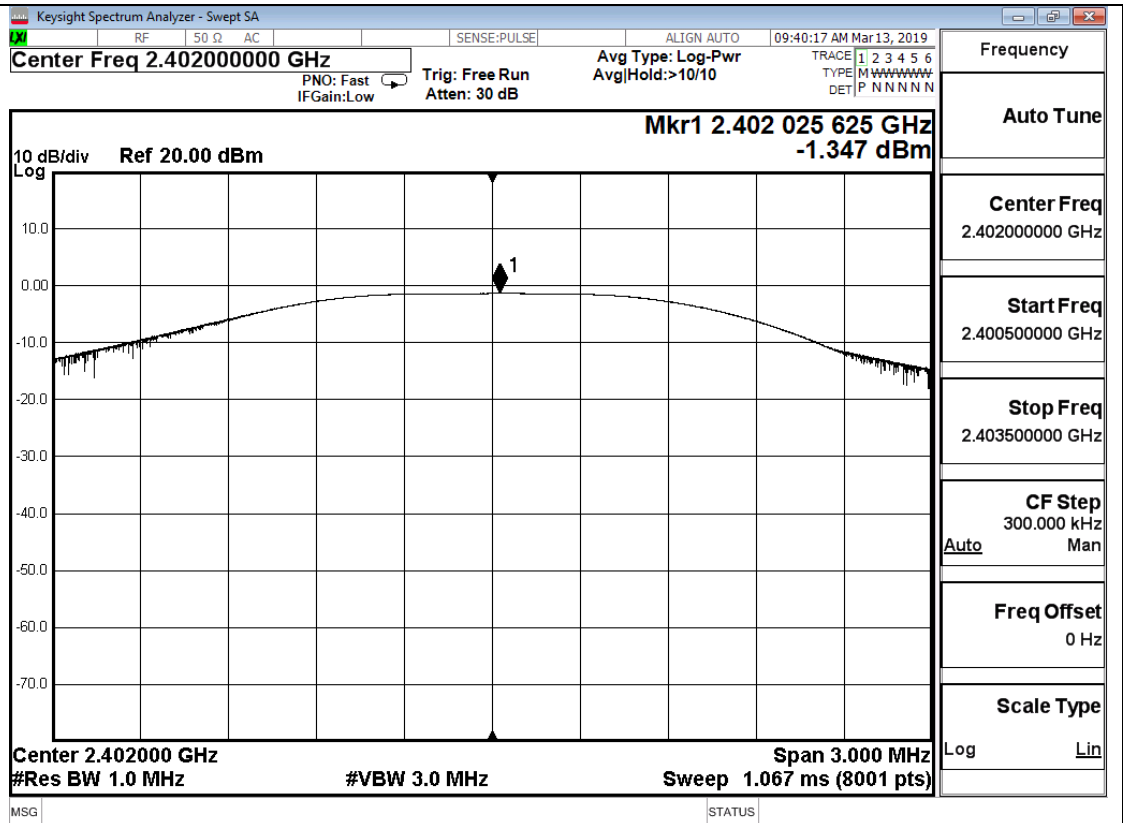


A.2 Maximum Conducted Peak Output Power

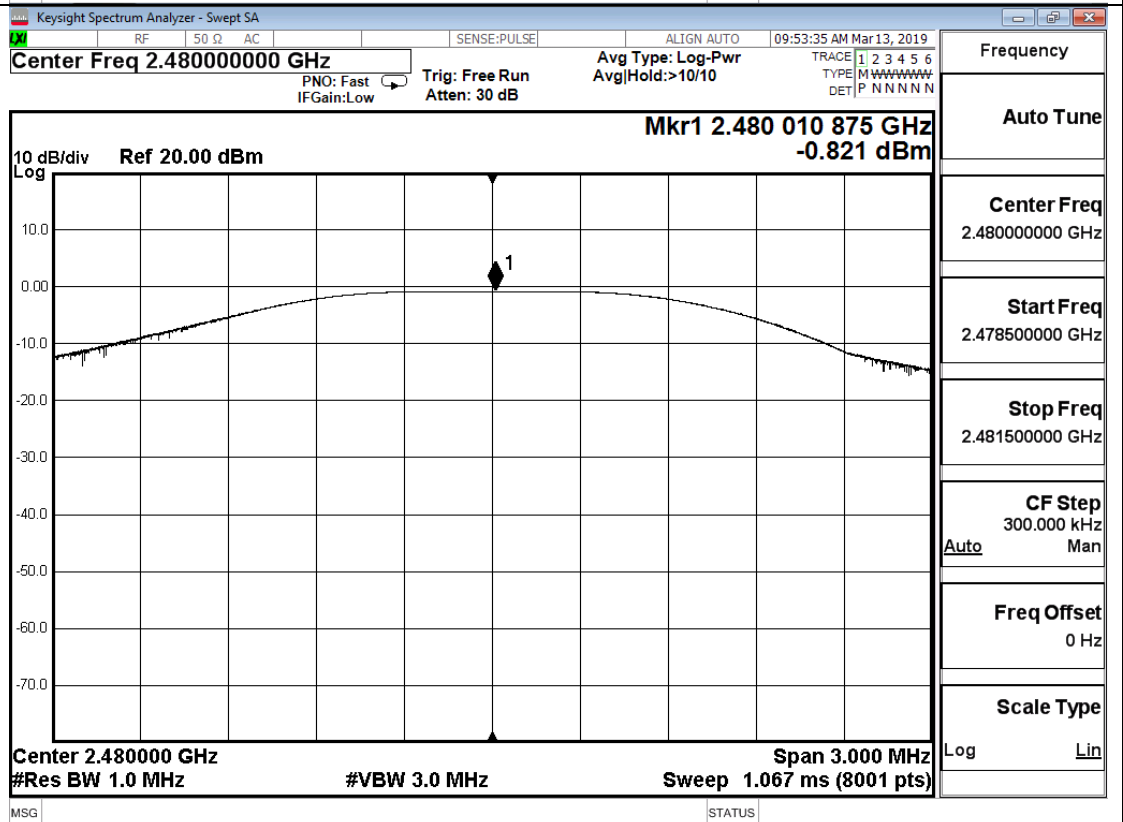
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.347	30	PASS
BT LE	MCH	-1.347	30	PASS
BT LE	HCH	-0.821	30	PASS



MCH



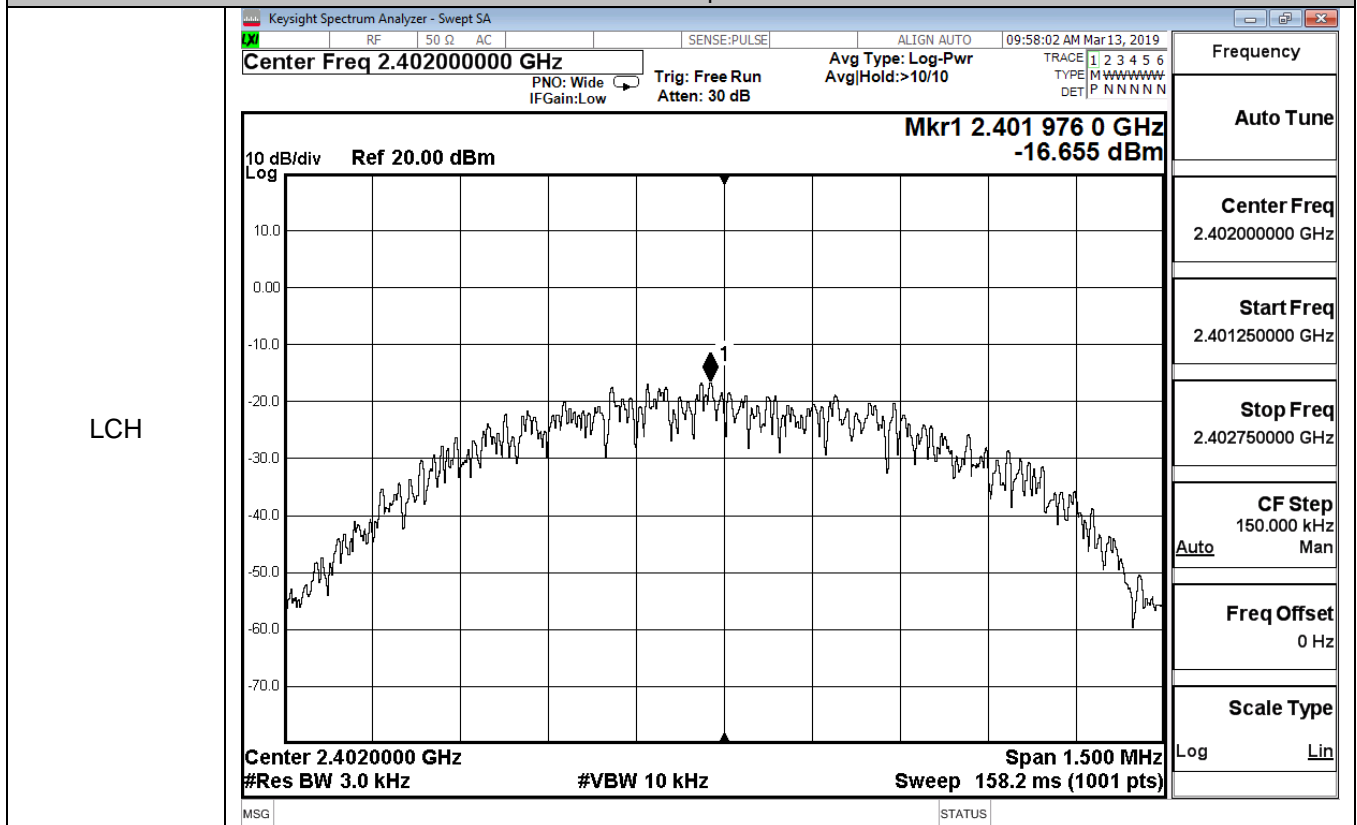
HCH



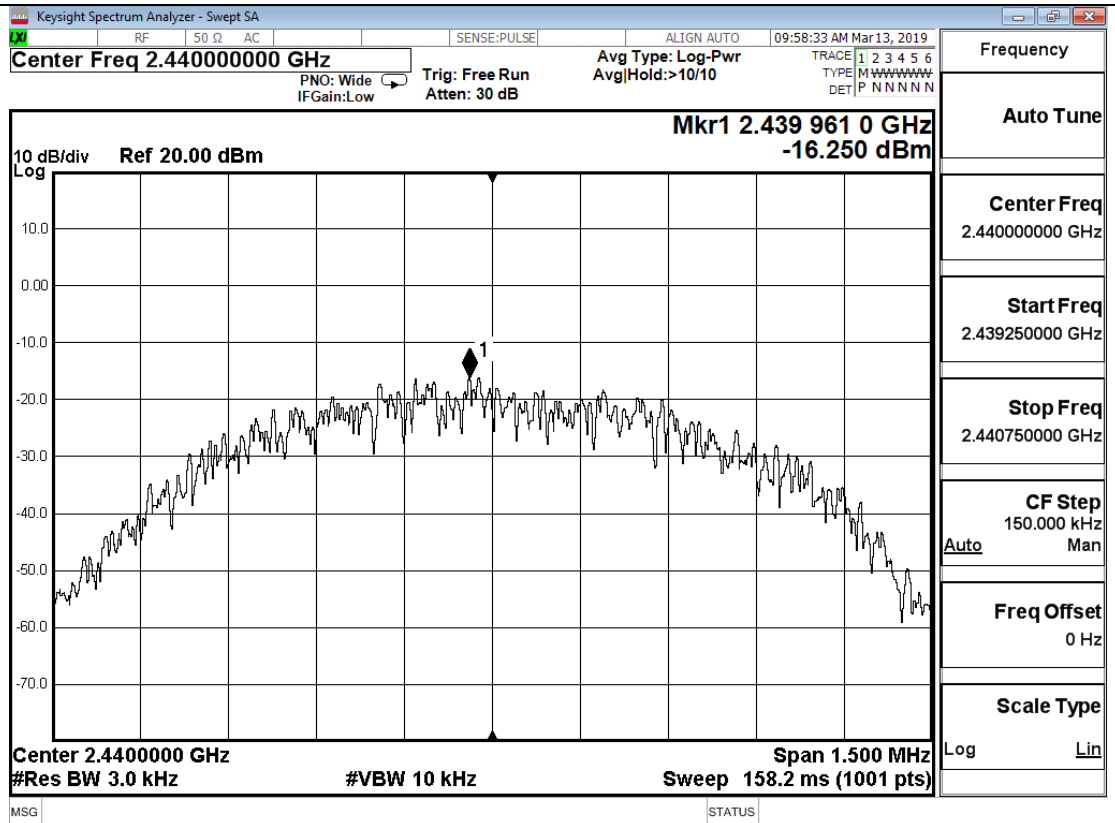
A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.655	8	PASS
BT LE	MCH	-16.250	8	PASS
BT LE	HCH	-16.398	8	PASS

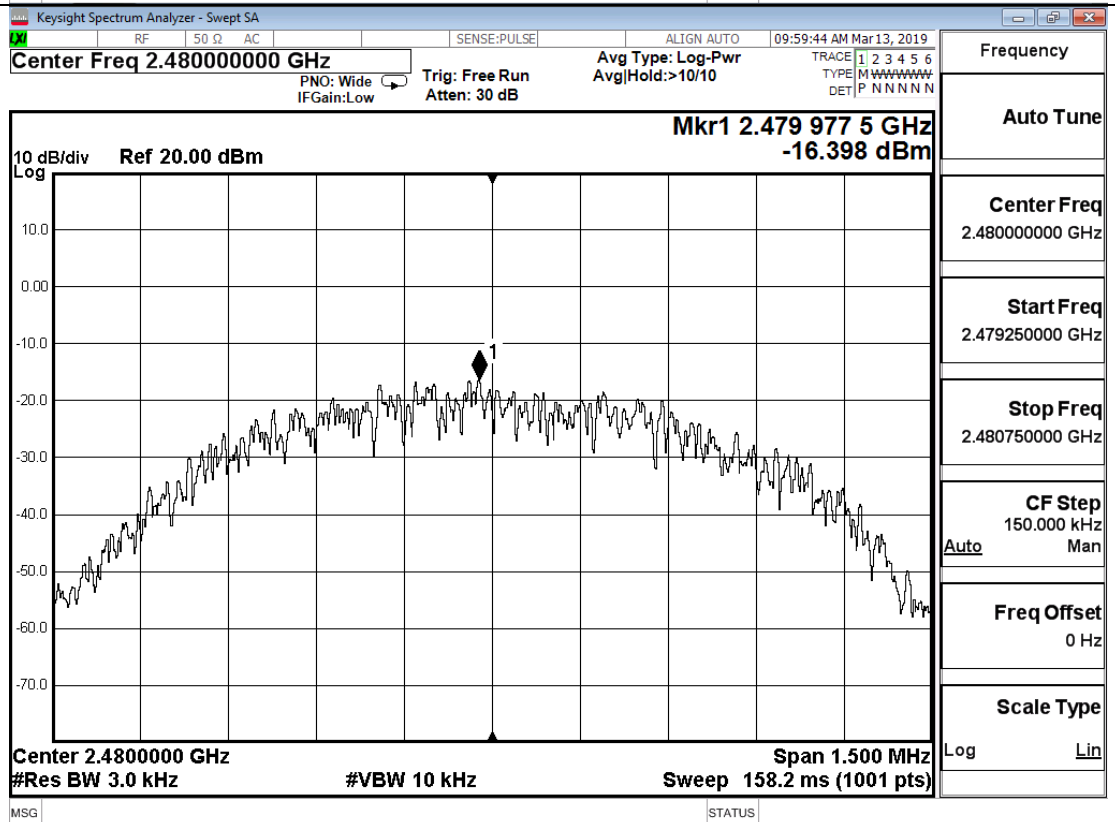
Test Graphs



MCH

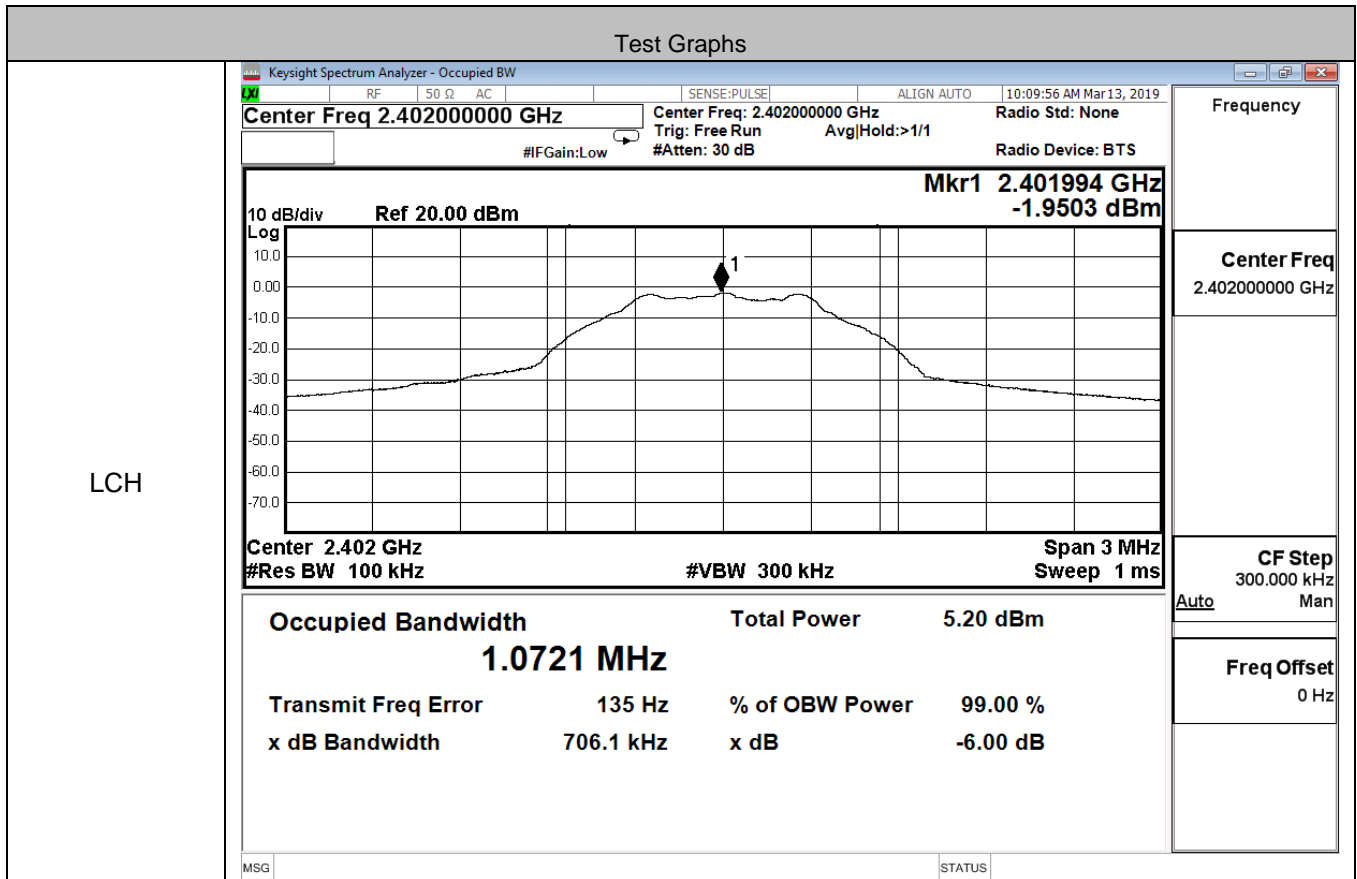


HCH

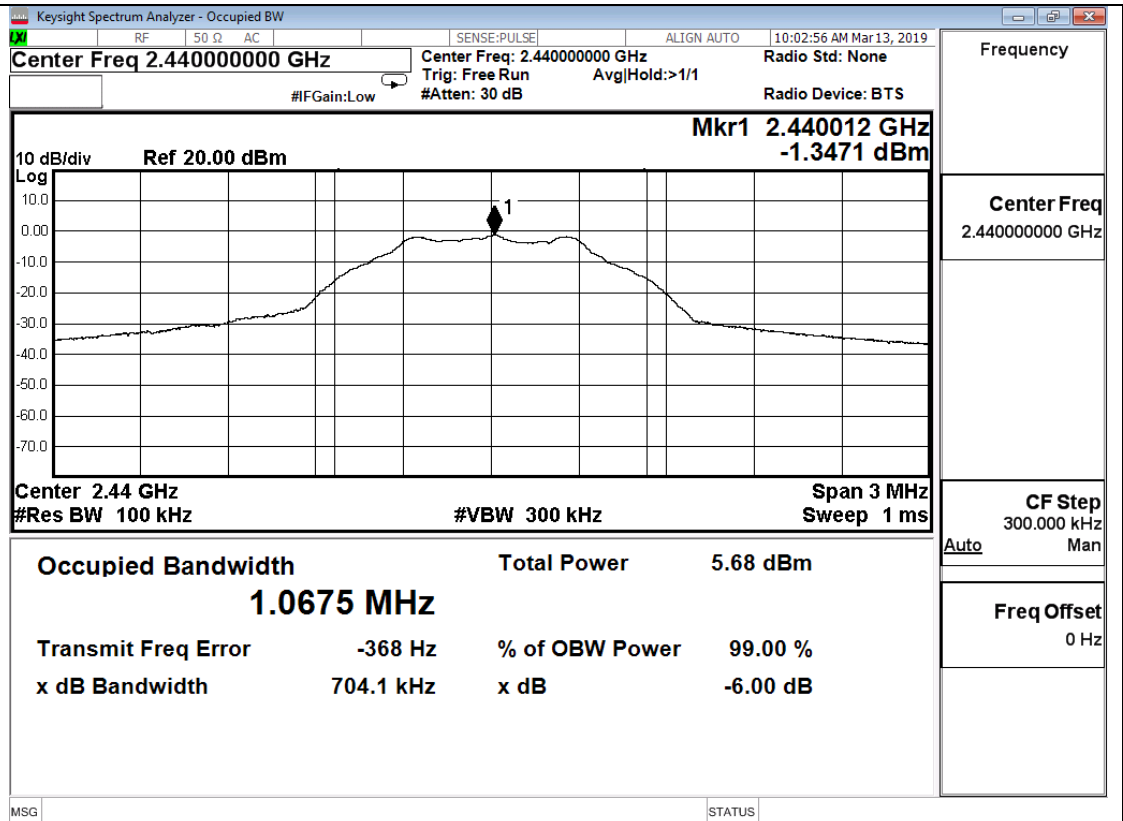


A.4 6dB Bandwidth

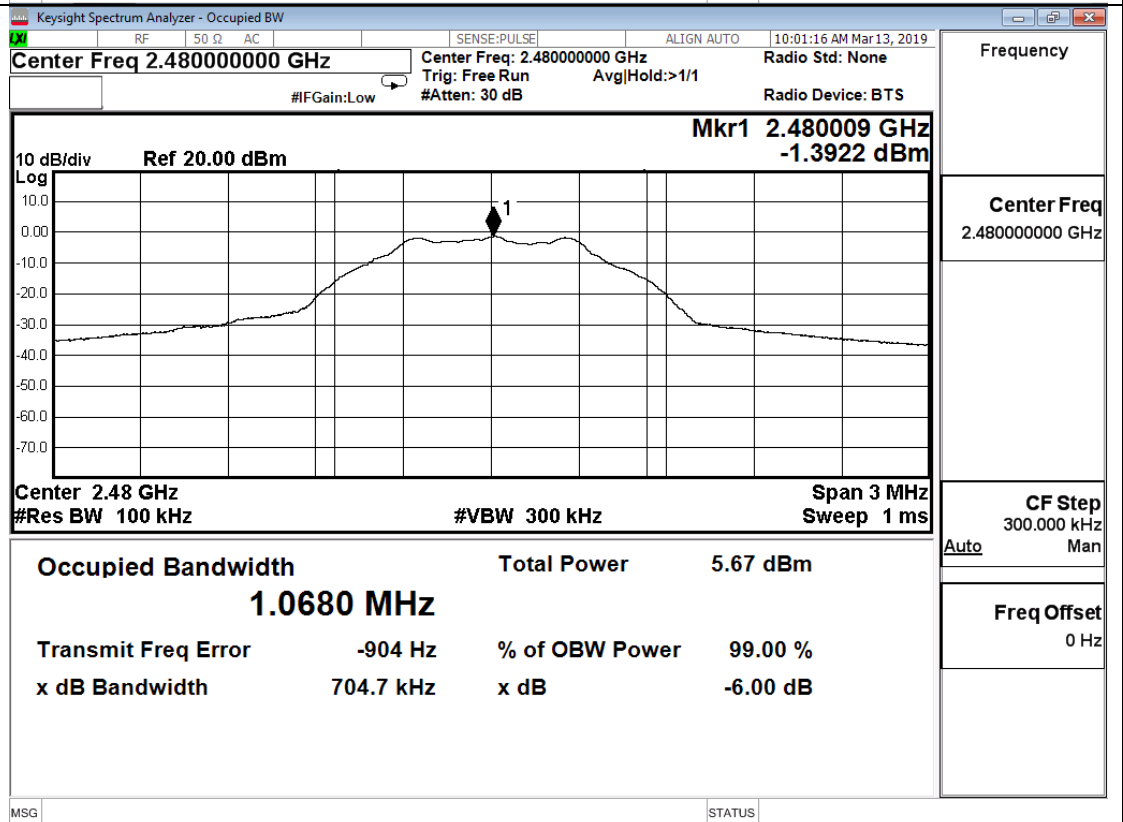
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7061	≥0.5	PASS
BT LE	MCH	0.7041	≥0.5	PASS
BT LE	HCH	0.7047	≥0.5	PASS



MCH



HCH

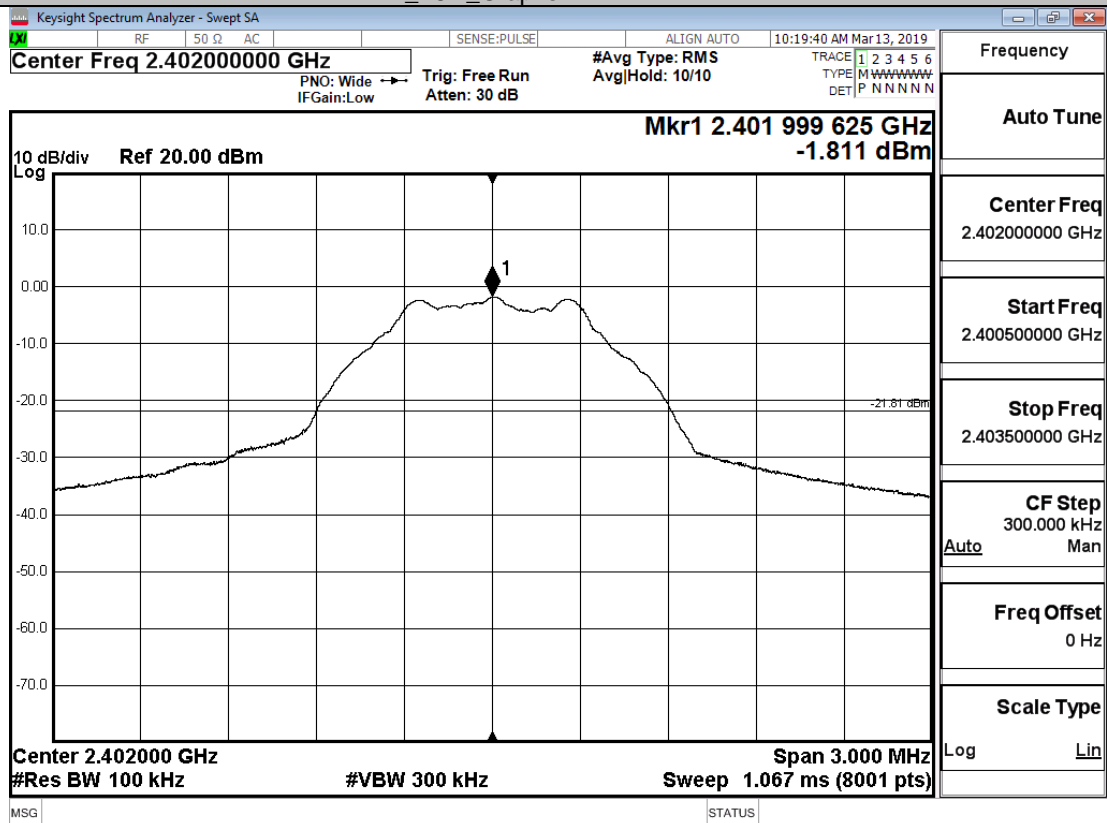


A.5 RF Conducted Spurious Emissions

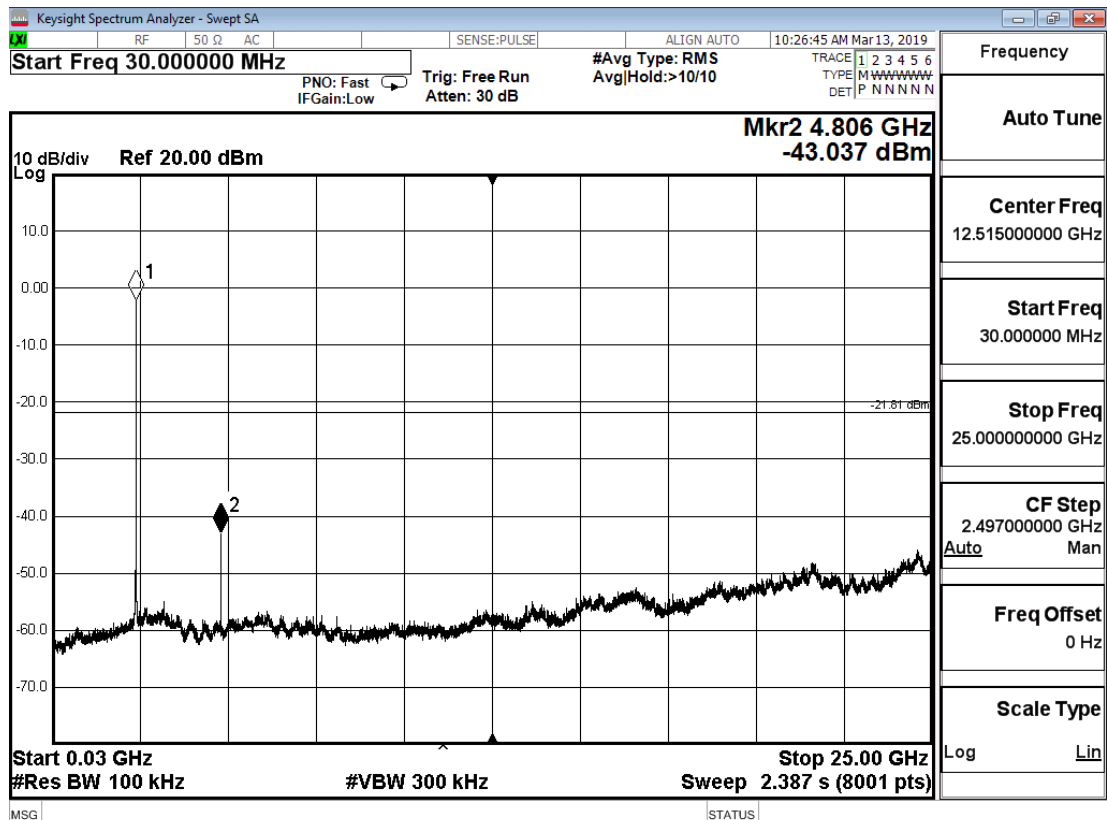
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.811	-43.037	-21.81	PASS
BT LE	MCH	-1.267	-43.223	-21.27	PASS
BT LE	HCH	-1.350	-46.571	-21.35	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

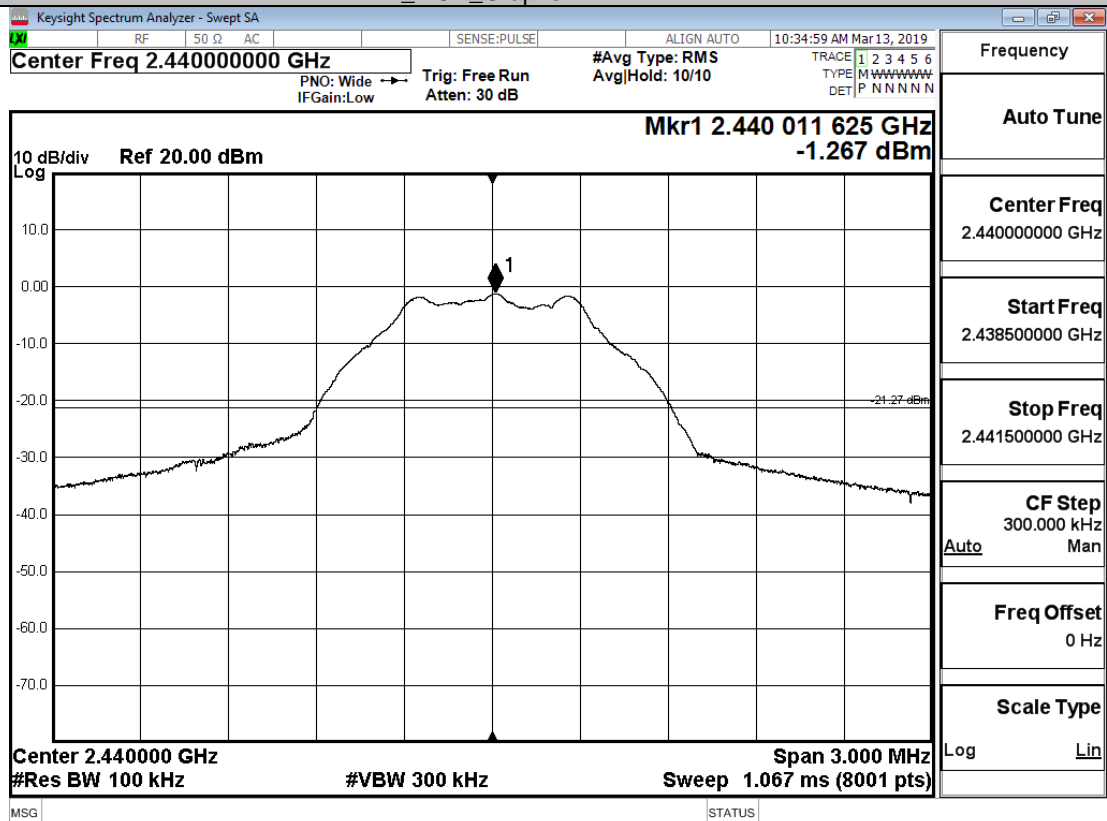


Puw/BT LE/LCH

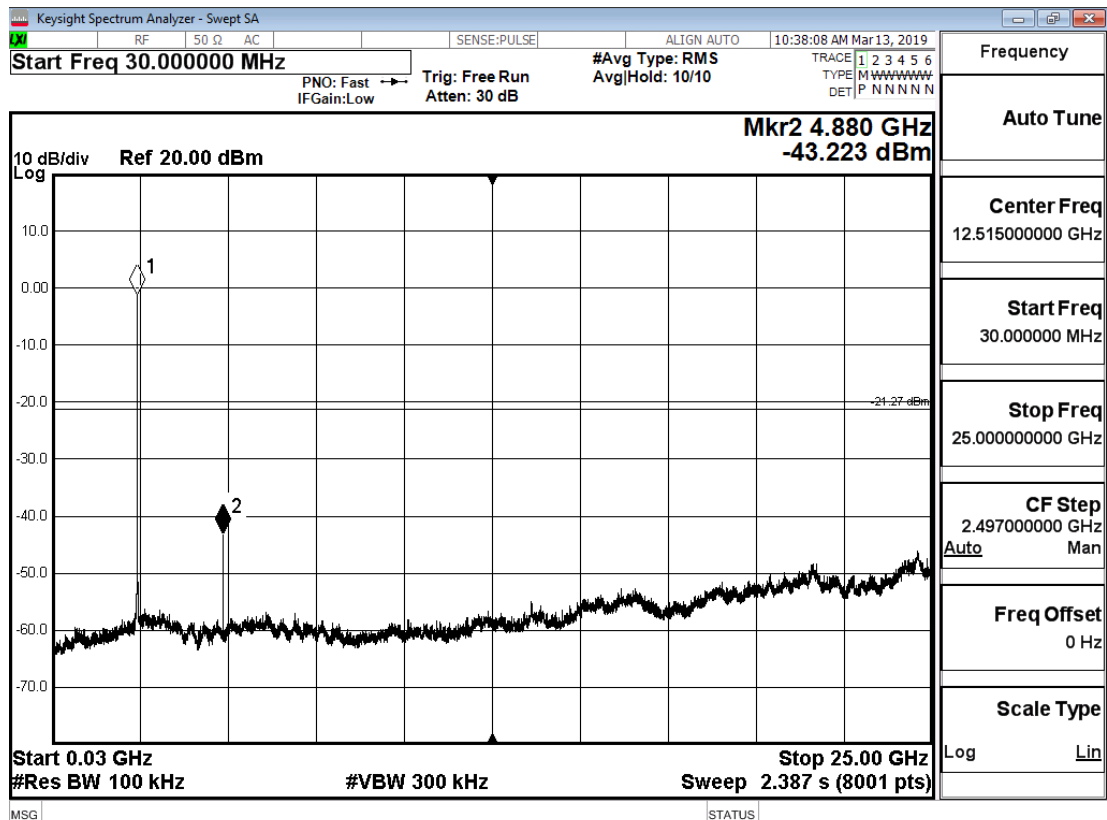


BT LE_MCH_Graphs

Pref/BT LE/MCH

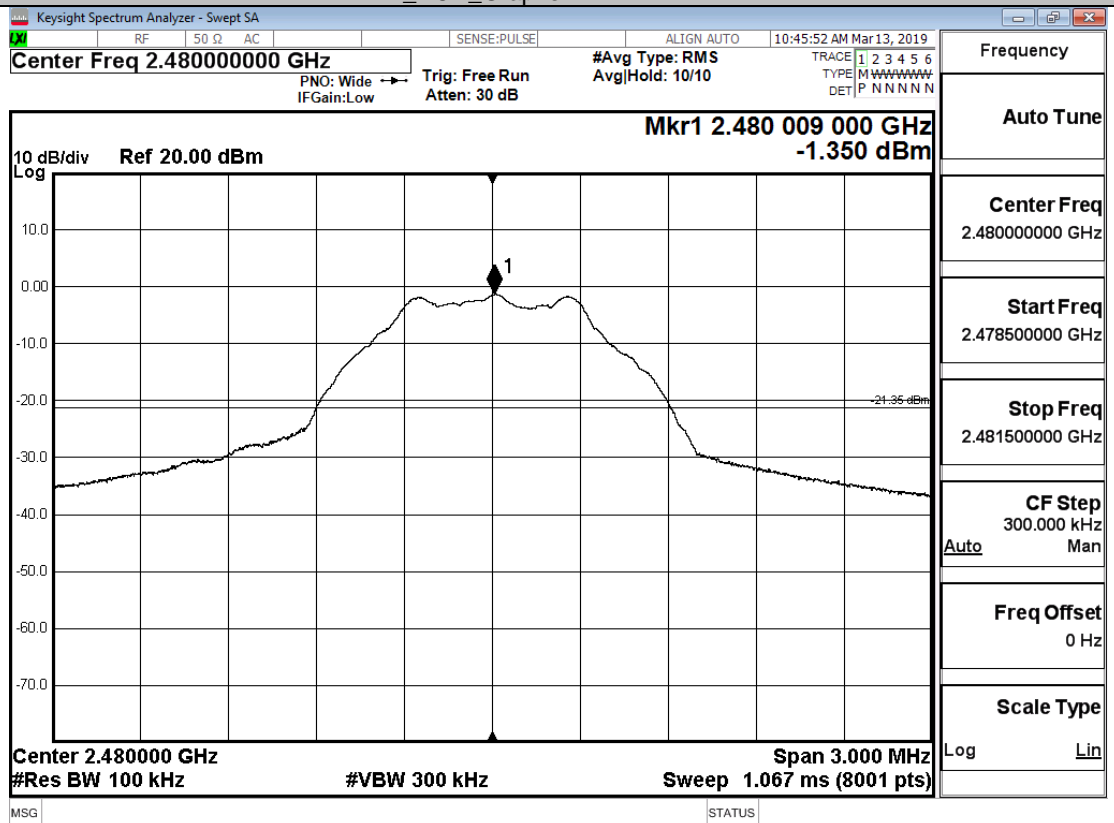


Puw/BT LE/MCH

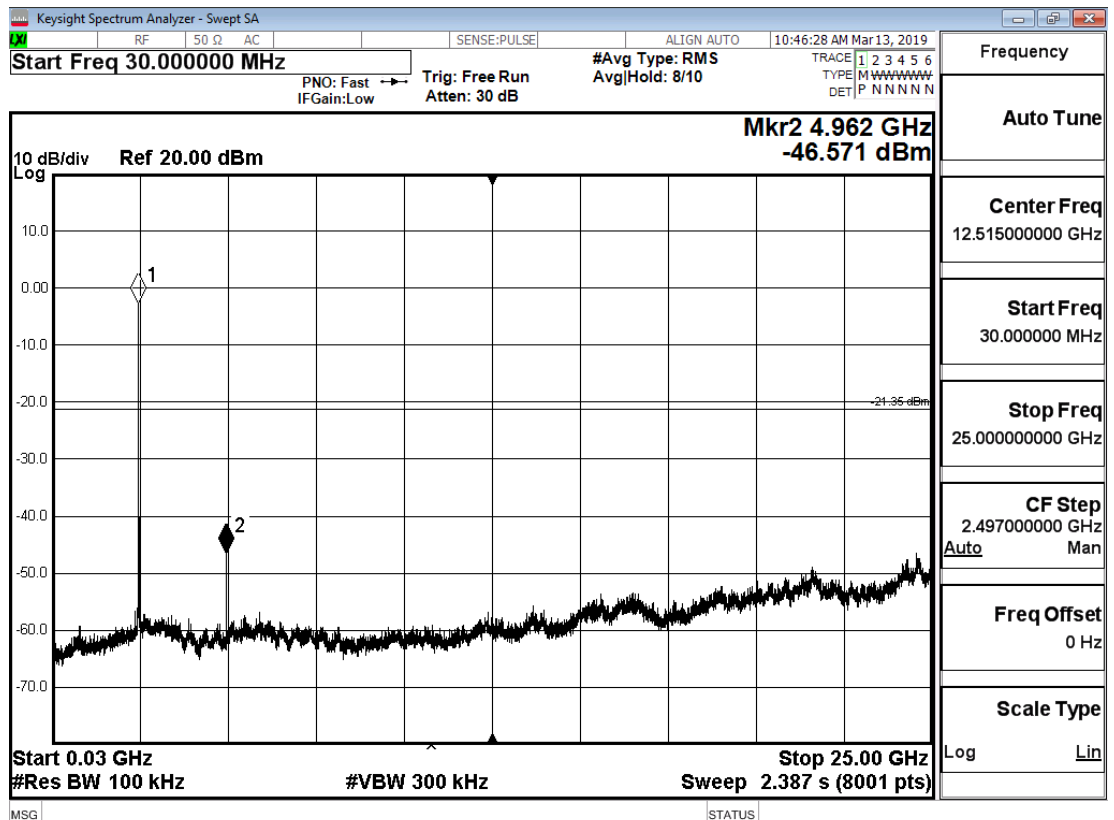


BT LE_HCH_Graphs

Pref/BT LE/HCH



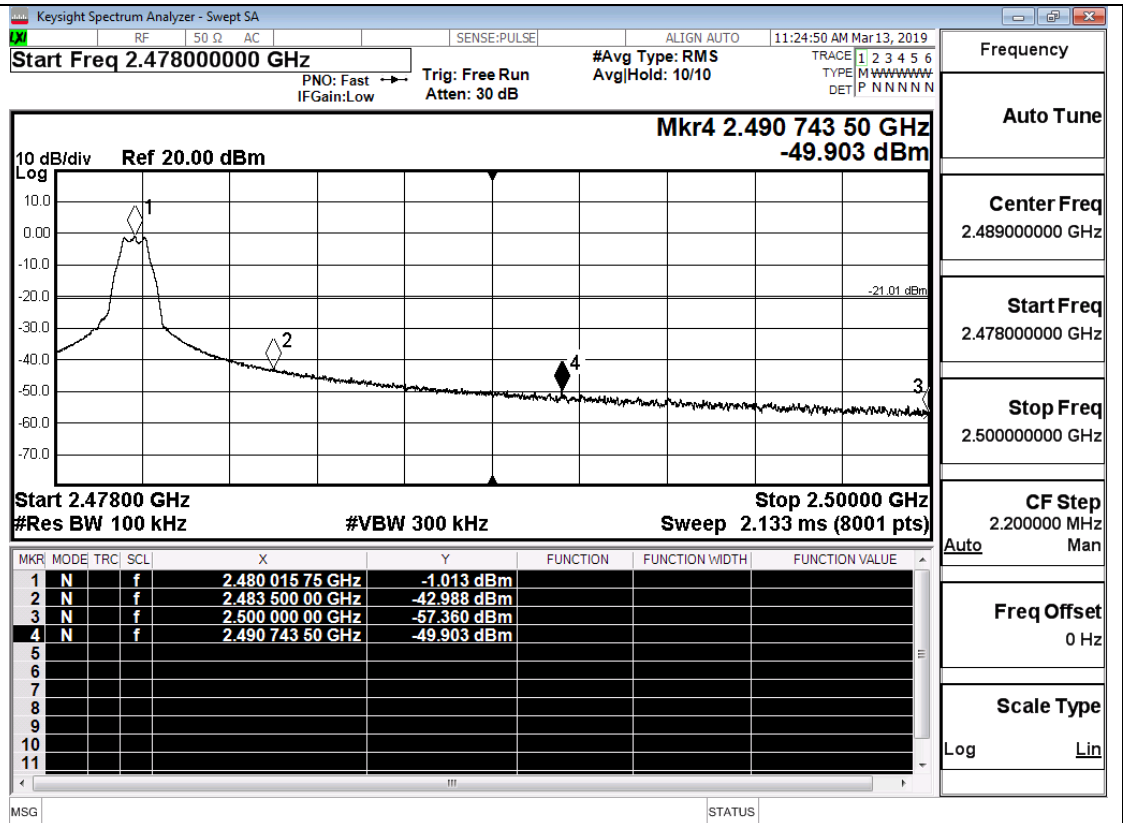
Puw/BT LE/HCH



Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.581	-38.169	-21.58	PASS
BT LE	HCH	-1.013	-42.988	-21.01	PASS



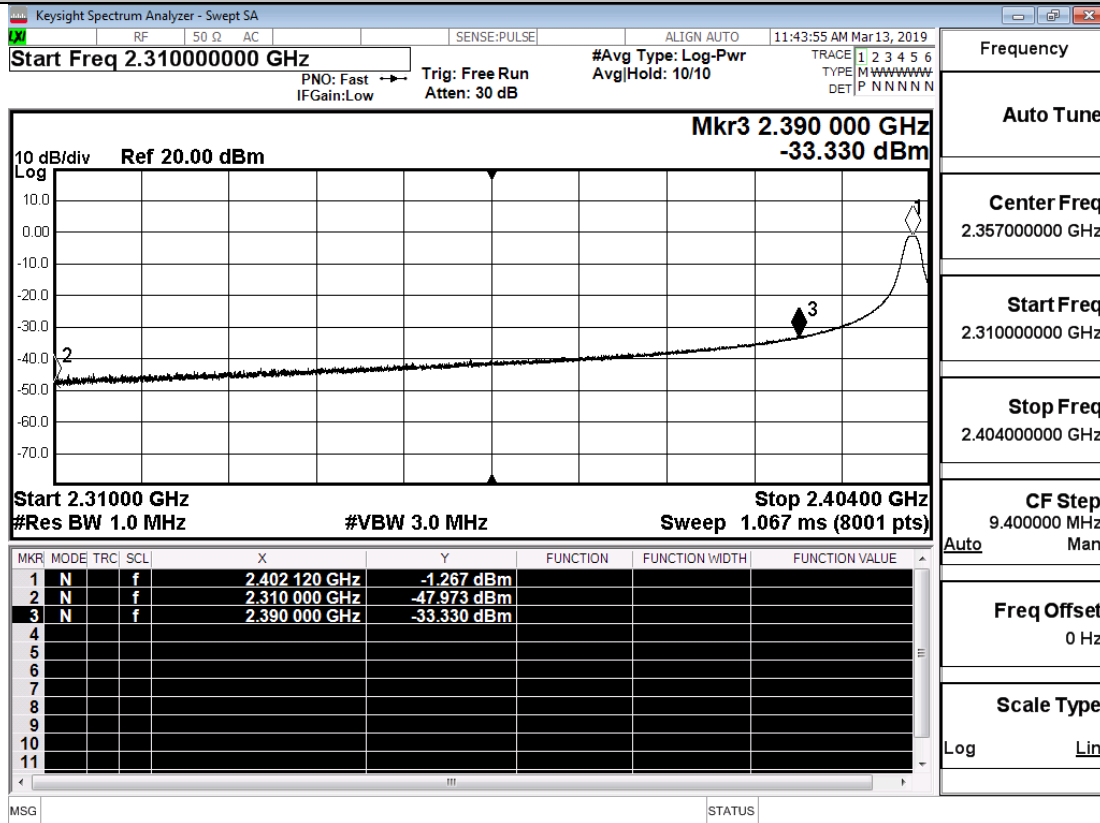
HCH



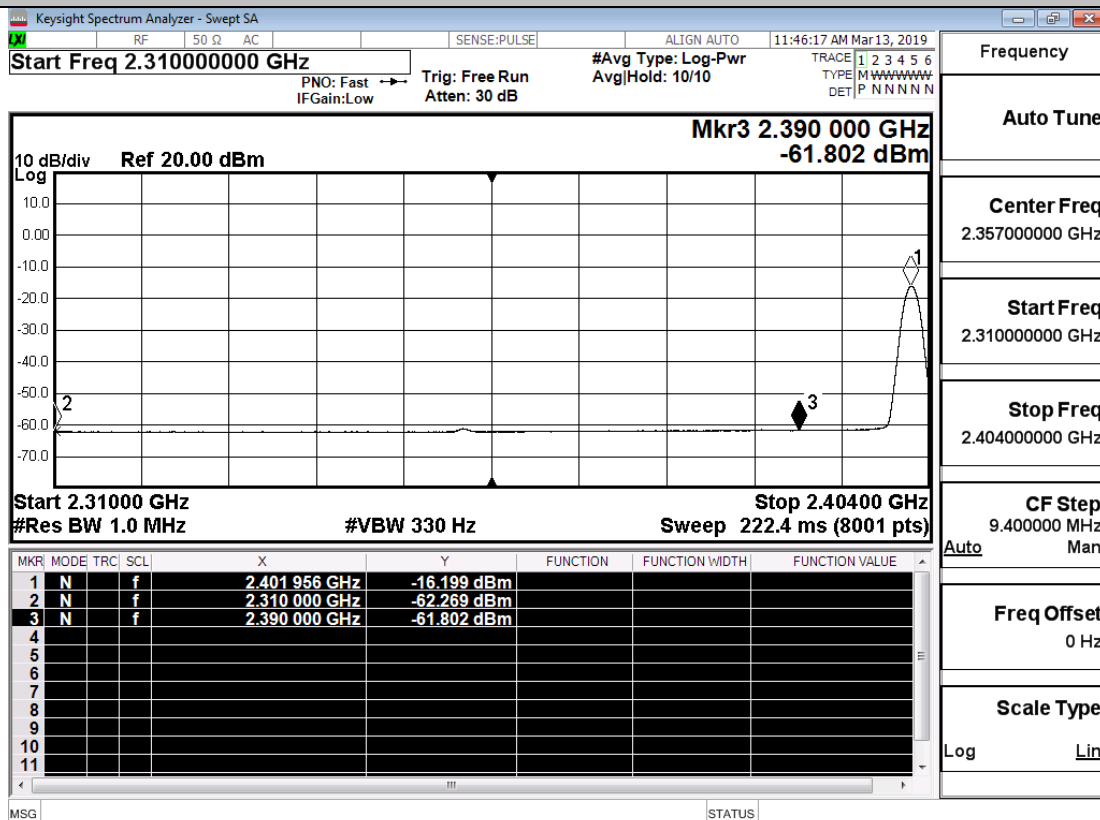
A.7 Restrict-band band-edge measurements

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	-47.973	2.00	0	49.26	PEAK	74	PASS
		Ant1	2310.0	-62.269	2.00	0	34.96	AV	54	PASS
		Ant1	2390.0	-33.330	2.00	0	63.90	PEAK	74	PASS
		Ant1	2390.0	-61.802	2.00	0	35.43	AV	54	PASS
	2480	Ant1	2483.5	-24.146	2.00	0	73.08	PEAK	74	PASS
		Ant1	2483.5	-60.920	2.00	0	36.31	AV	54	PASS
		Ant1	2500.0	-39.401	2.00	0	57.83	PEAK	74	PASS
		Ant1	2500.0	-61.509	2.00	0	35.72	AV	54	PASS

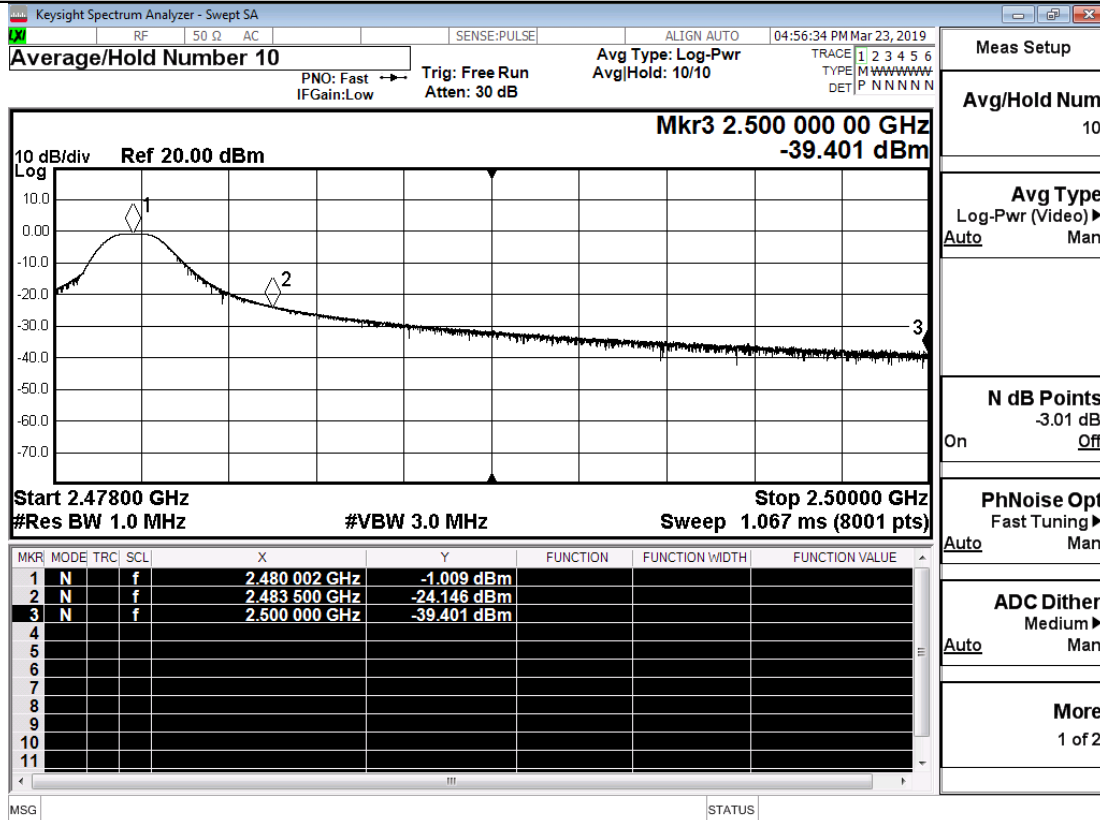
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

