

Appendix A

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

Product Name: Wireless Blood Pressure Monitor

Trade Mark: N/A

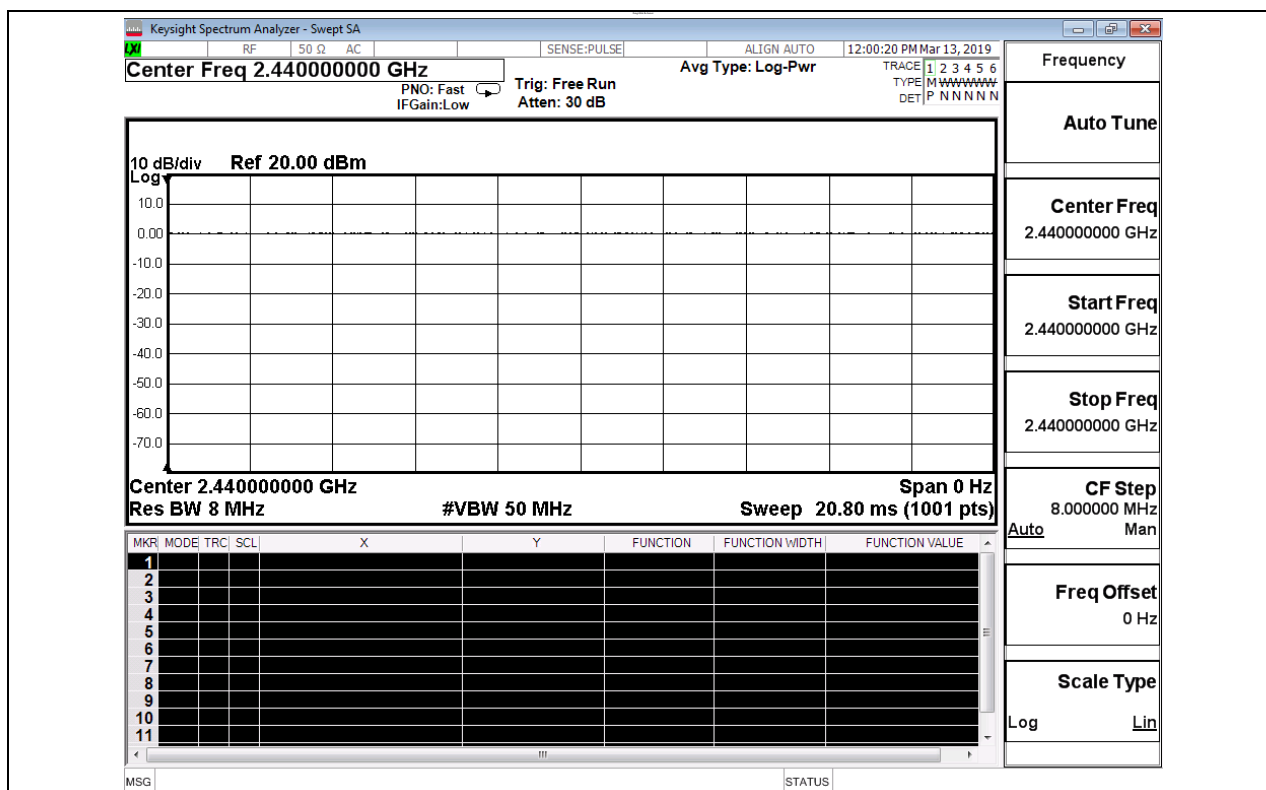
Test Model: KD-752

Environmental Conditions

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

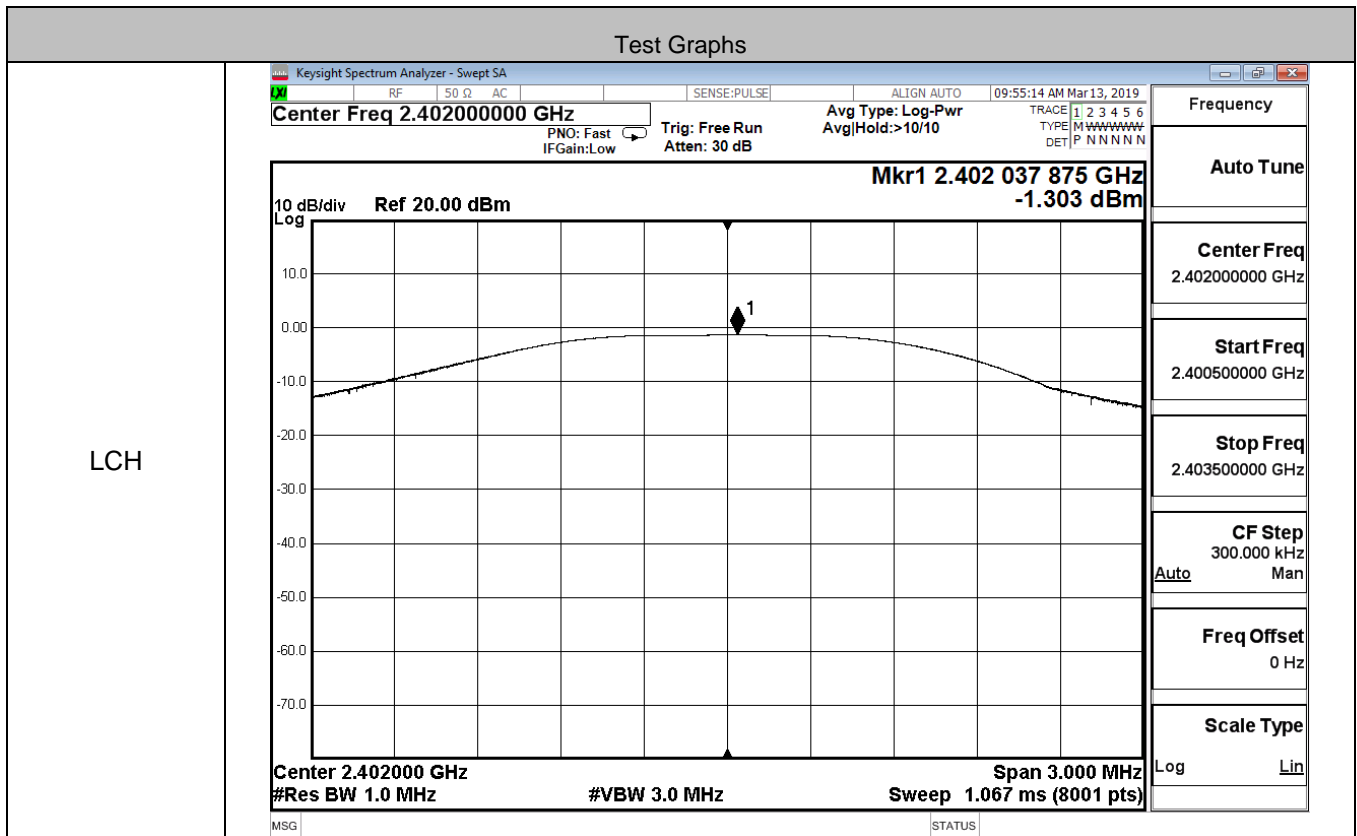
A.1 Duty Cycle

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

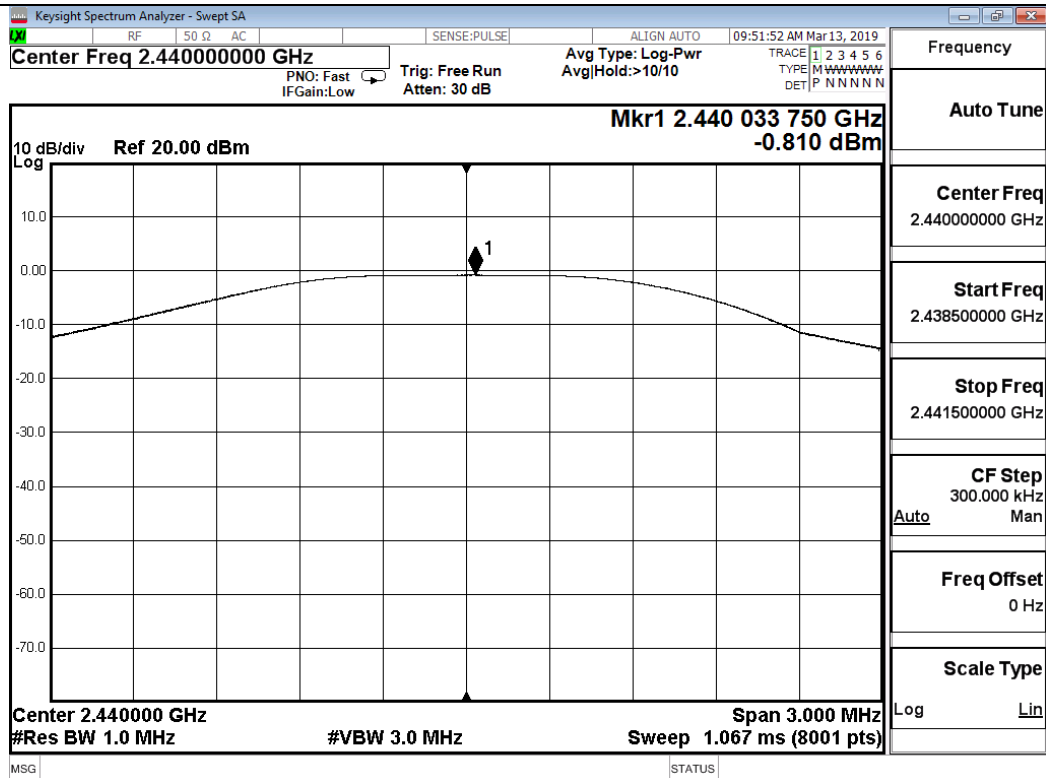


A.2 Maximum Conducted Peak Output Power

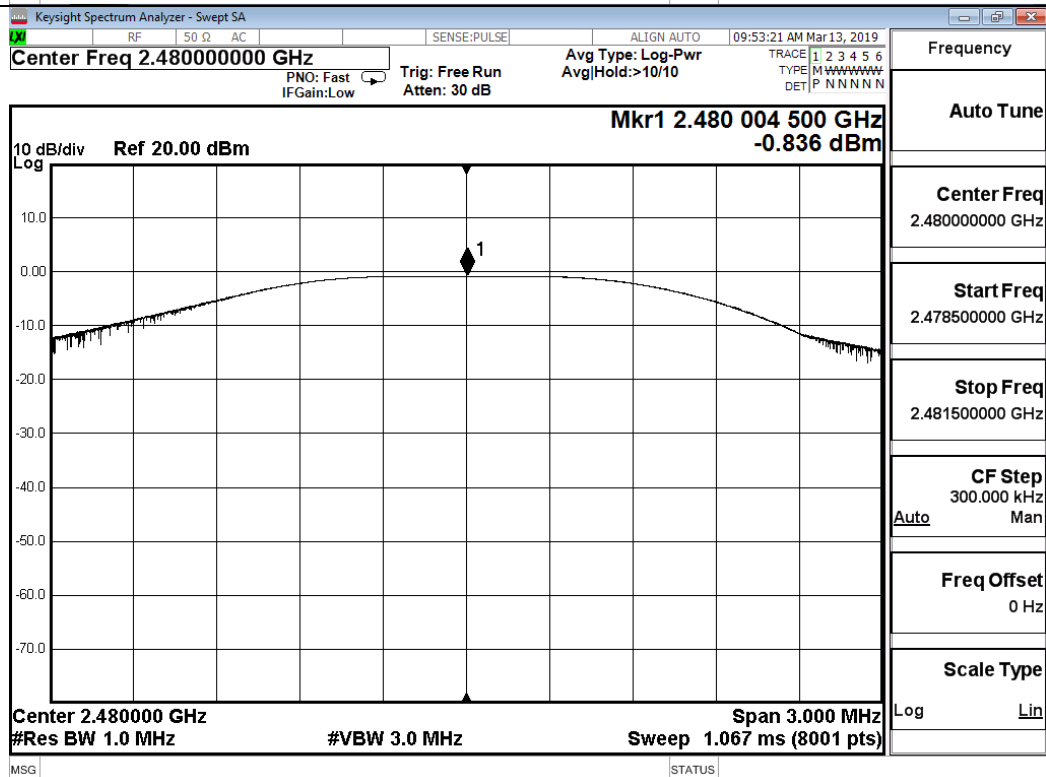
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.303	30	PASS
BT LE	MCH	-0.810	30	PASS
BT LE	HCH	-0.836	30	PASS



MCH



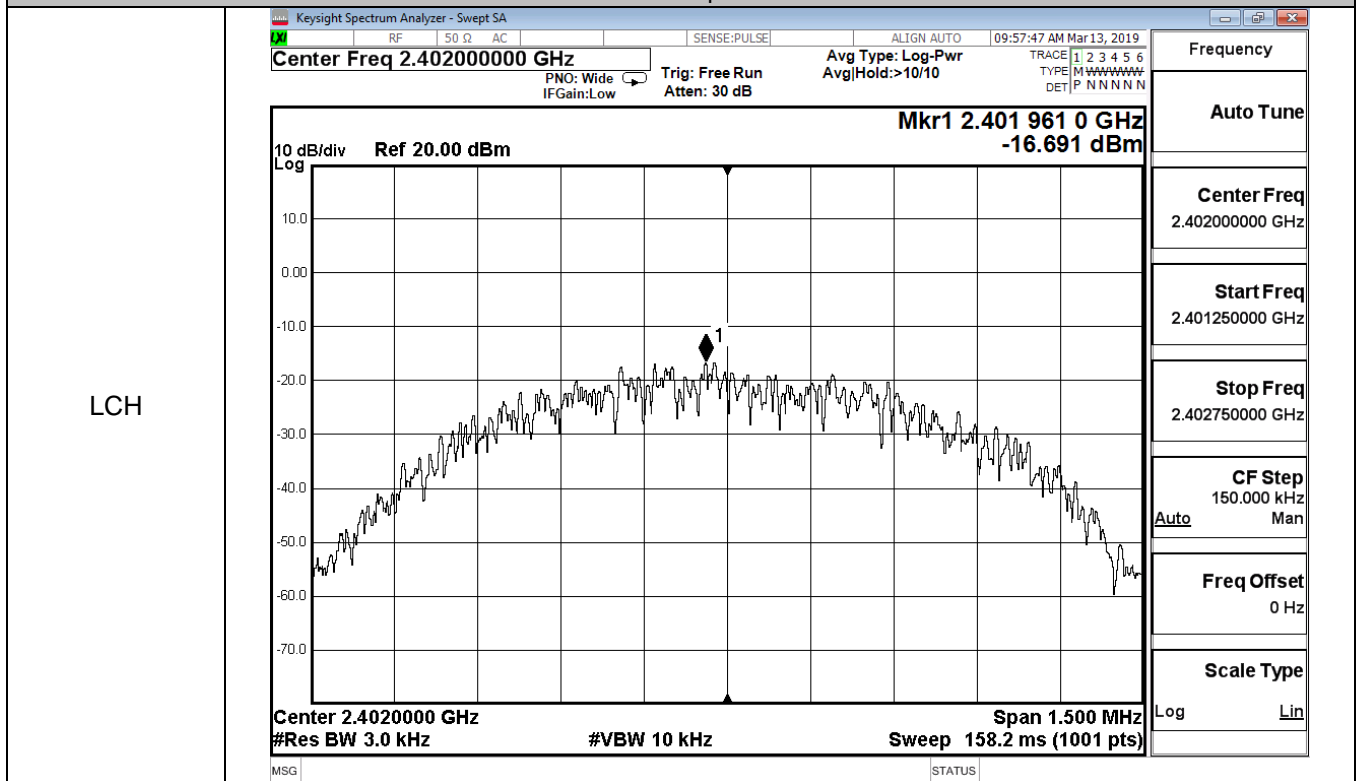
HCH



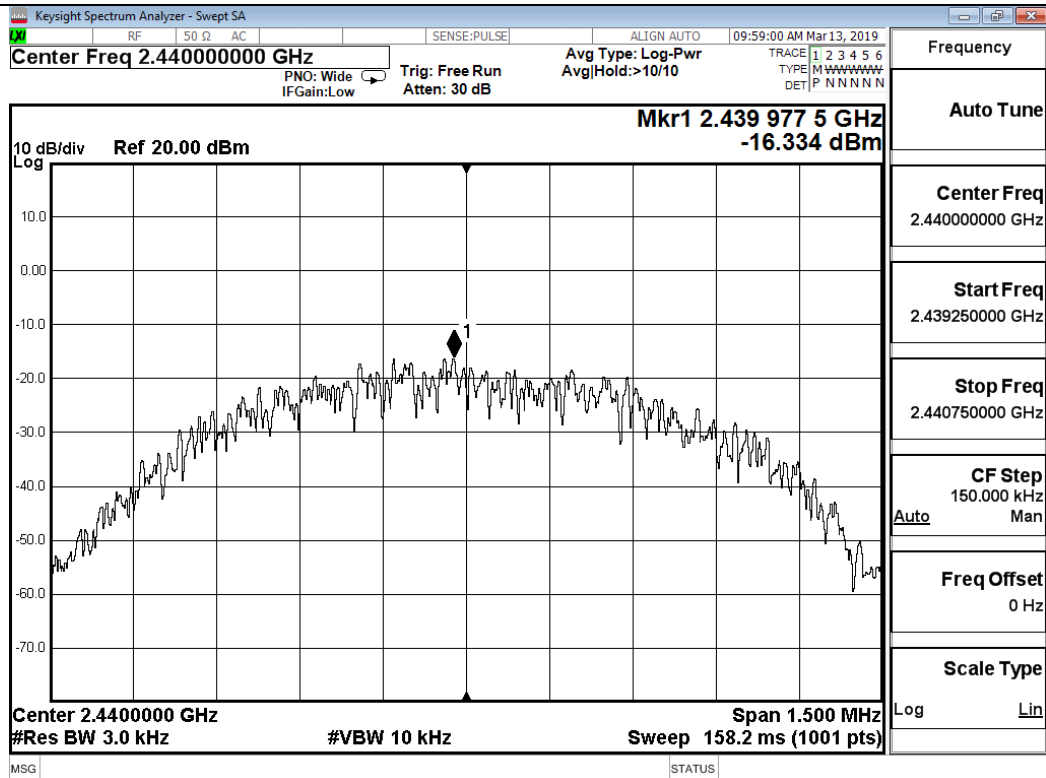
A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.691	8	PASS
BT LE	MCH	-16.334	8	PASS
BT LE	HCH	-16.385	8	PASS

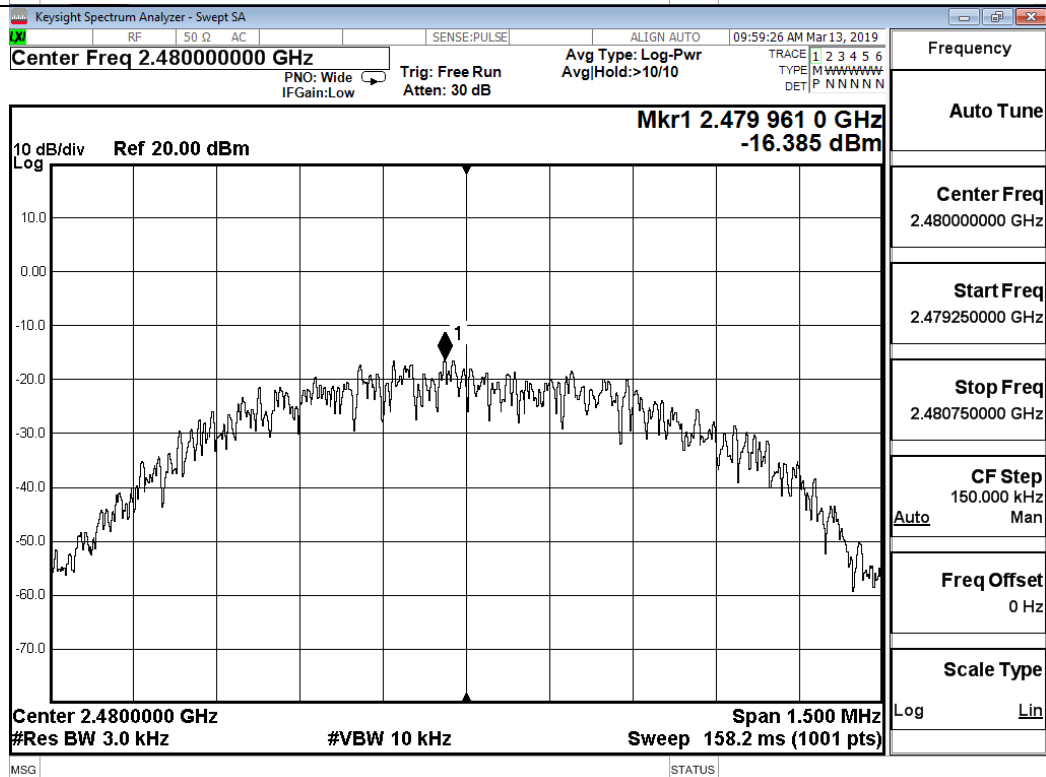
Test Graphs



MCH



HCH

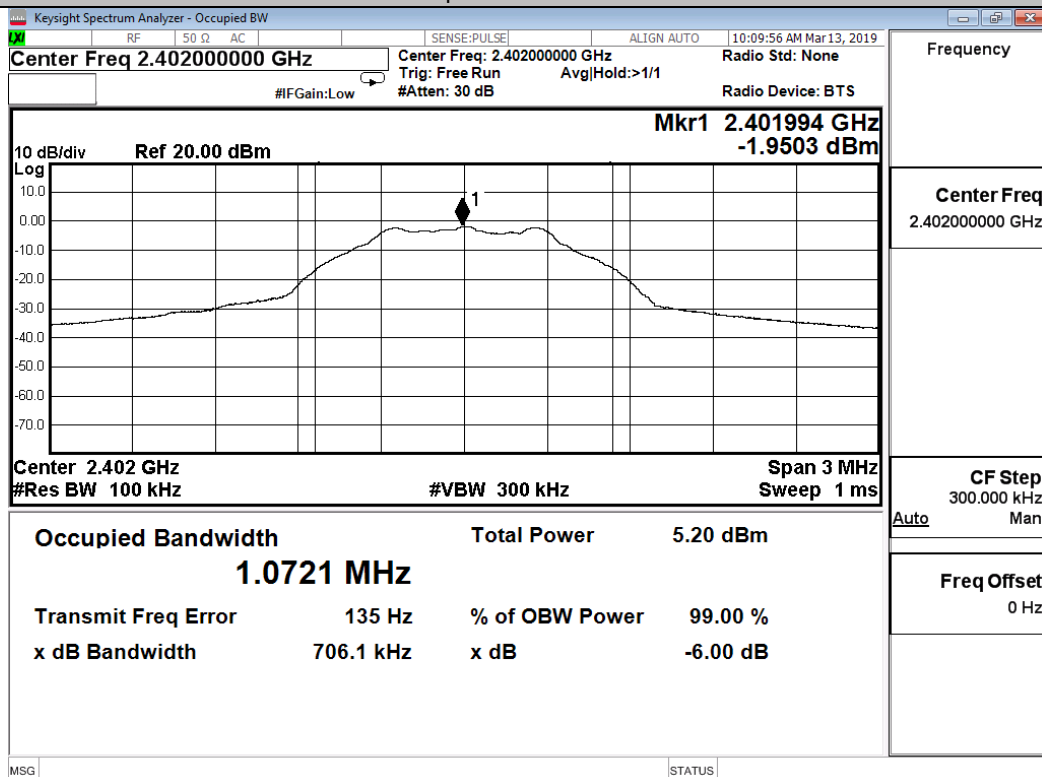


A.4 6dB Bandwidth

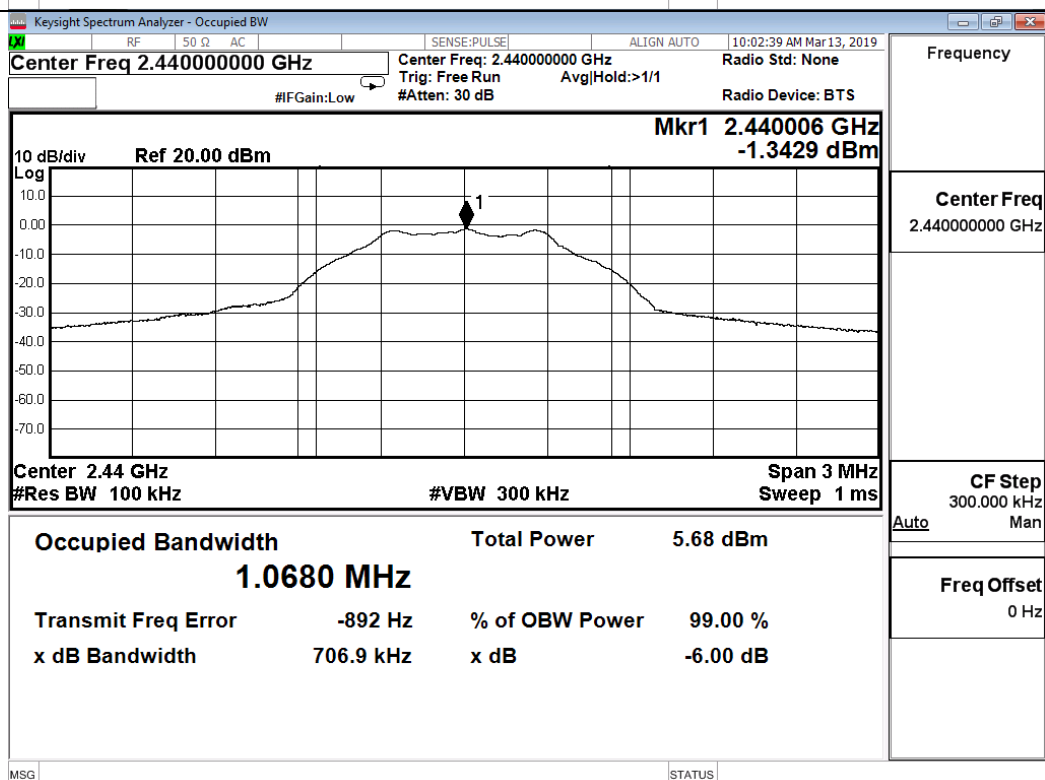
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.7061	≥ 0.5	PASS
BT LE	MCH	0.7069	≥ 0.5	PASS
BT LE	HCH	0.7138	≥ 0.5	PASS

Test Graphs

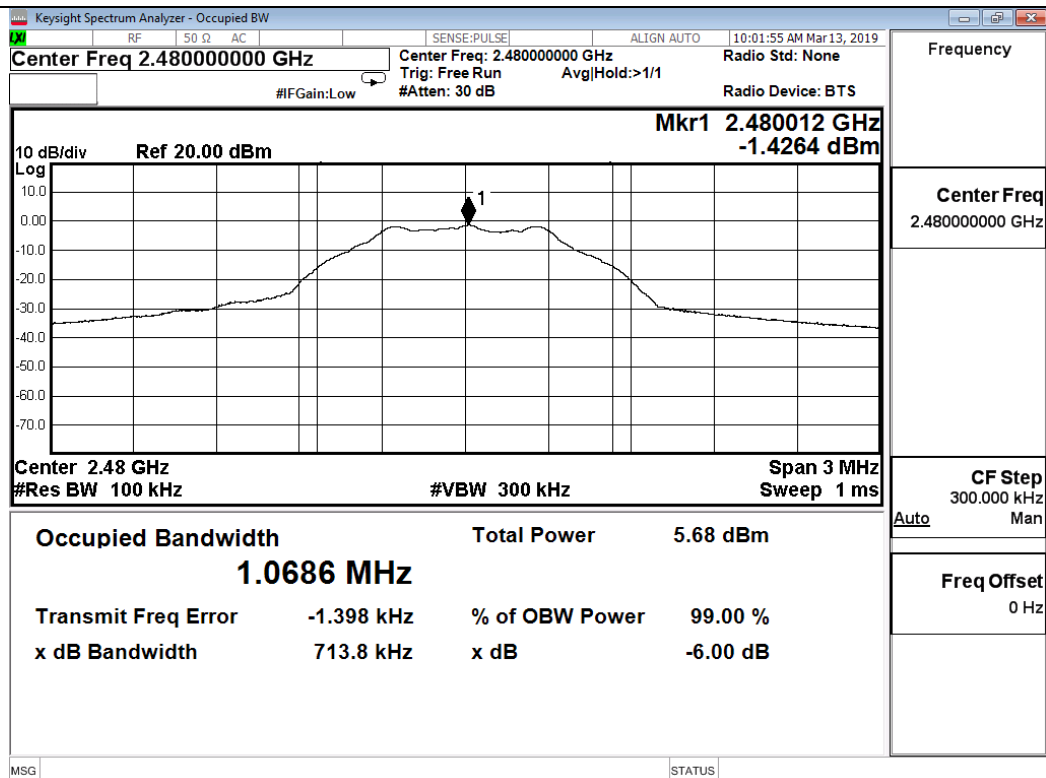
LCH



MCH



HCH

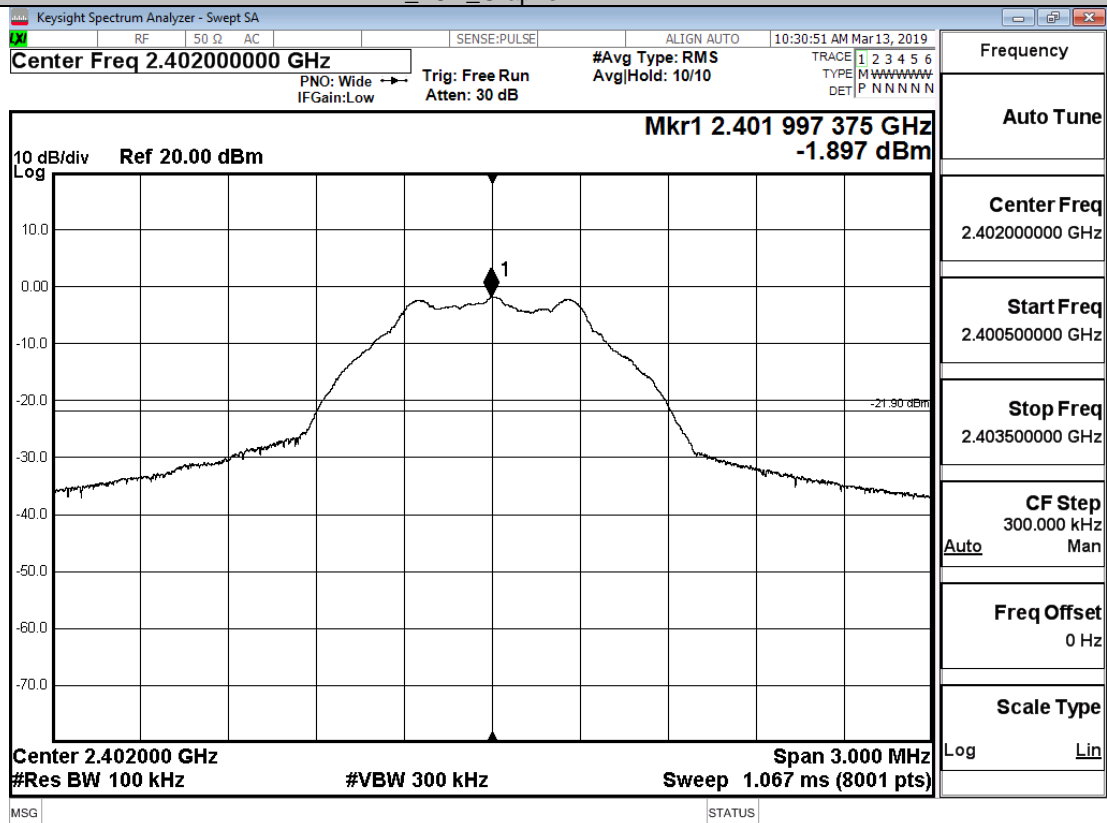


A.5 RF Conducted Spurious Emissions

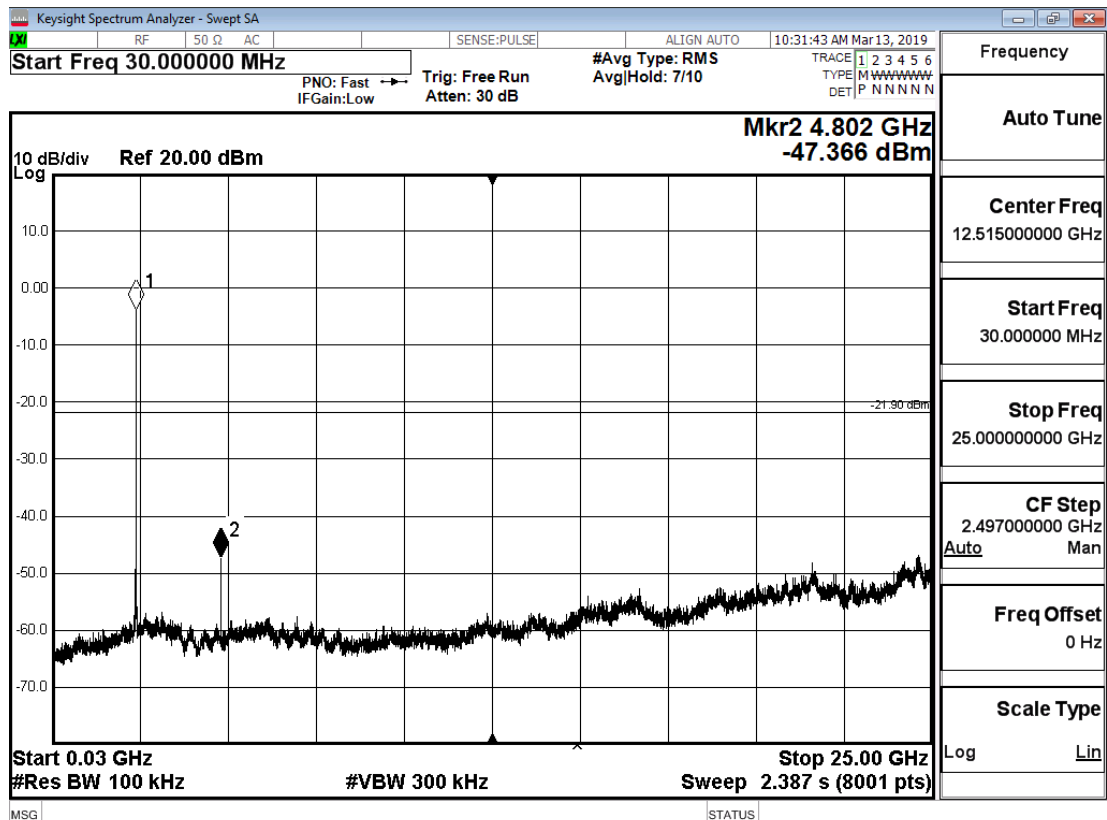
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.897	-47.366	-21.90	PASS
BT LE	MCH	-1.280	-46.137	-21.28	PASS
BT LE	HCH	-1.325	-46.322	-21.33	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

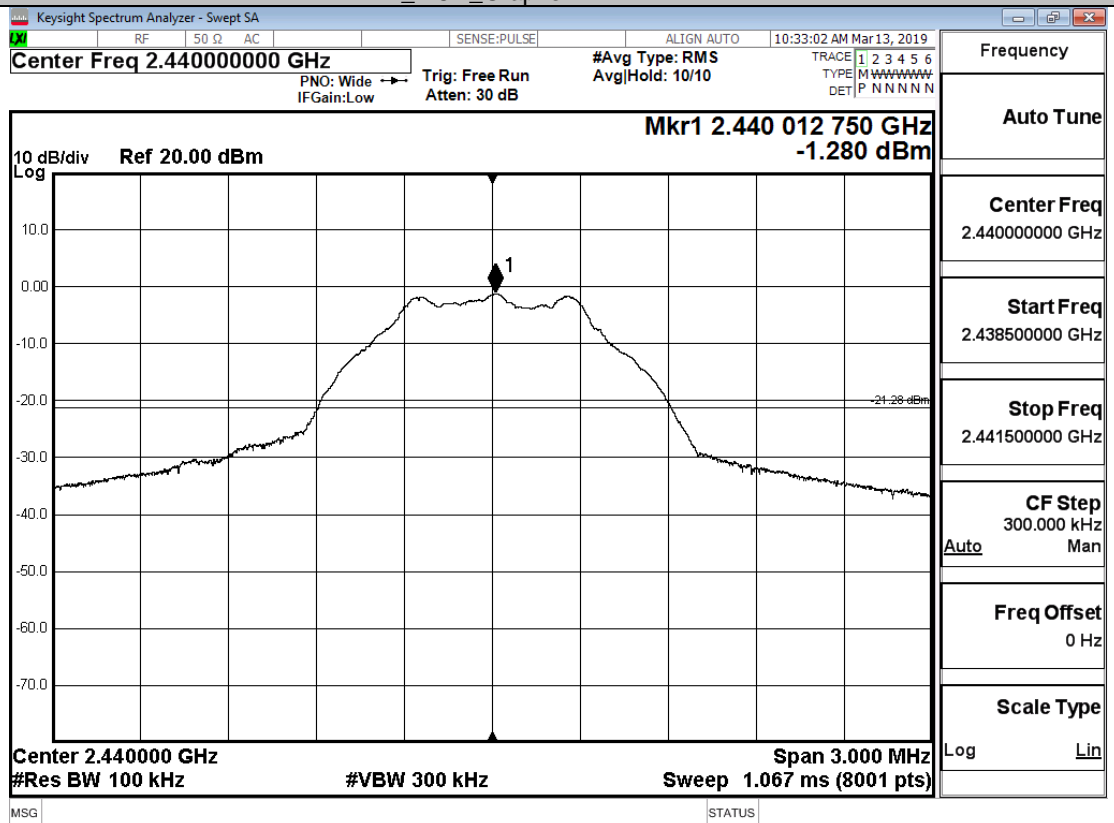


Puw/BT LE/LCH

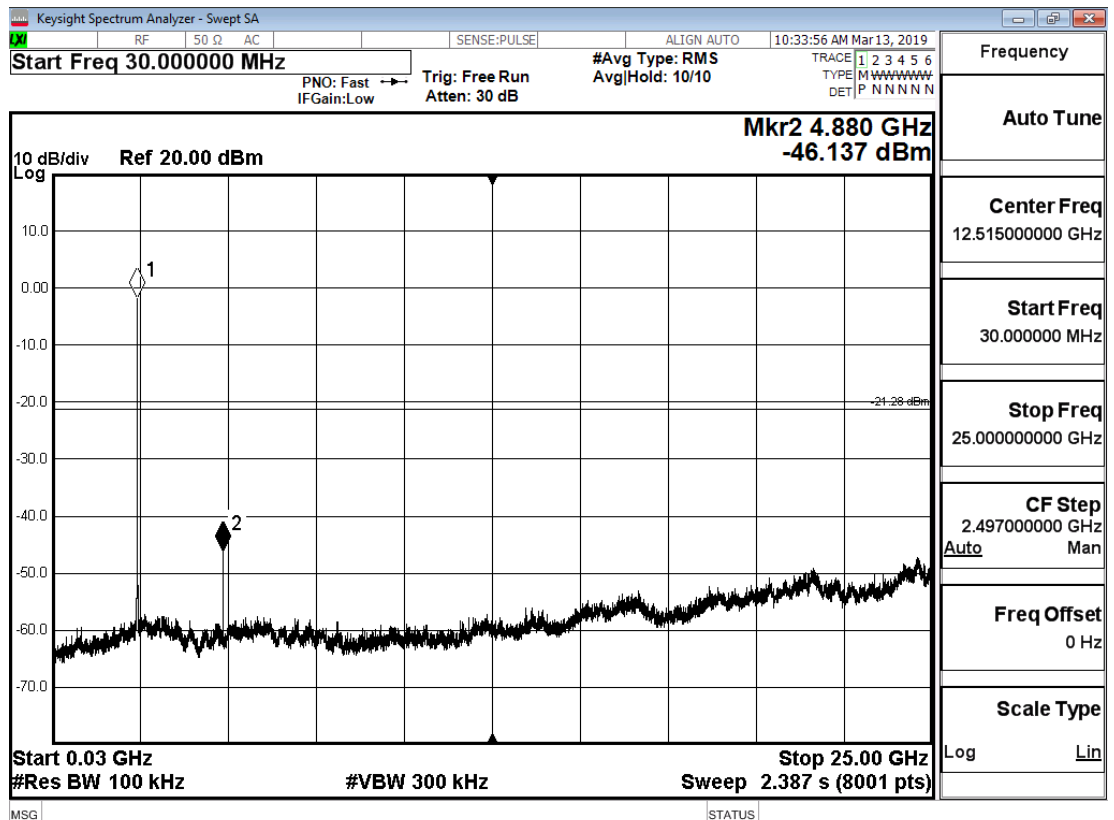


BT LE_MCH_Graphs

Pref/BT LE/MCH

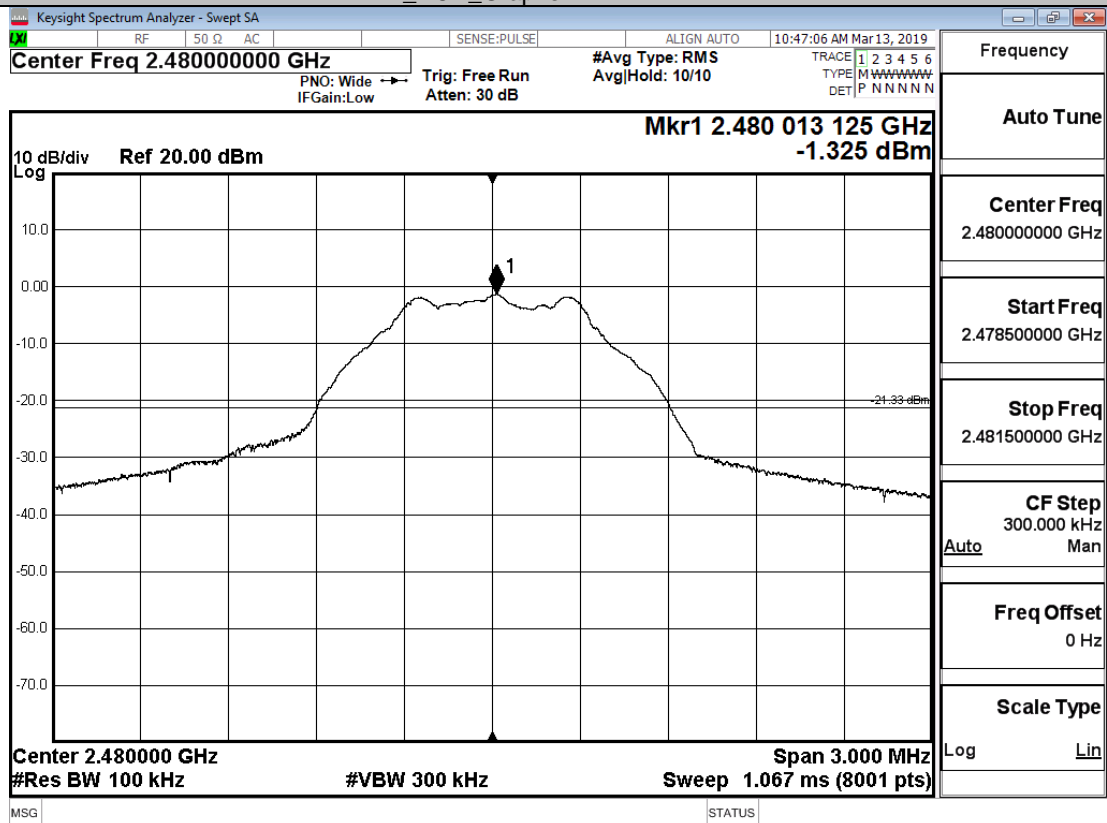


Puw/BT LE/MCH

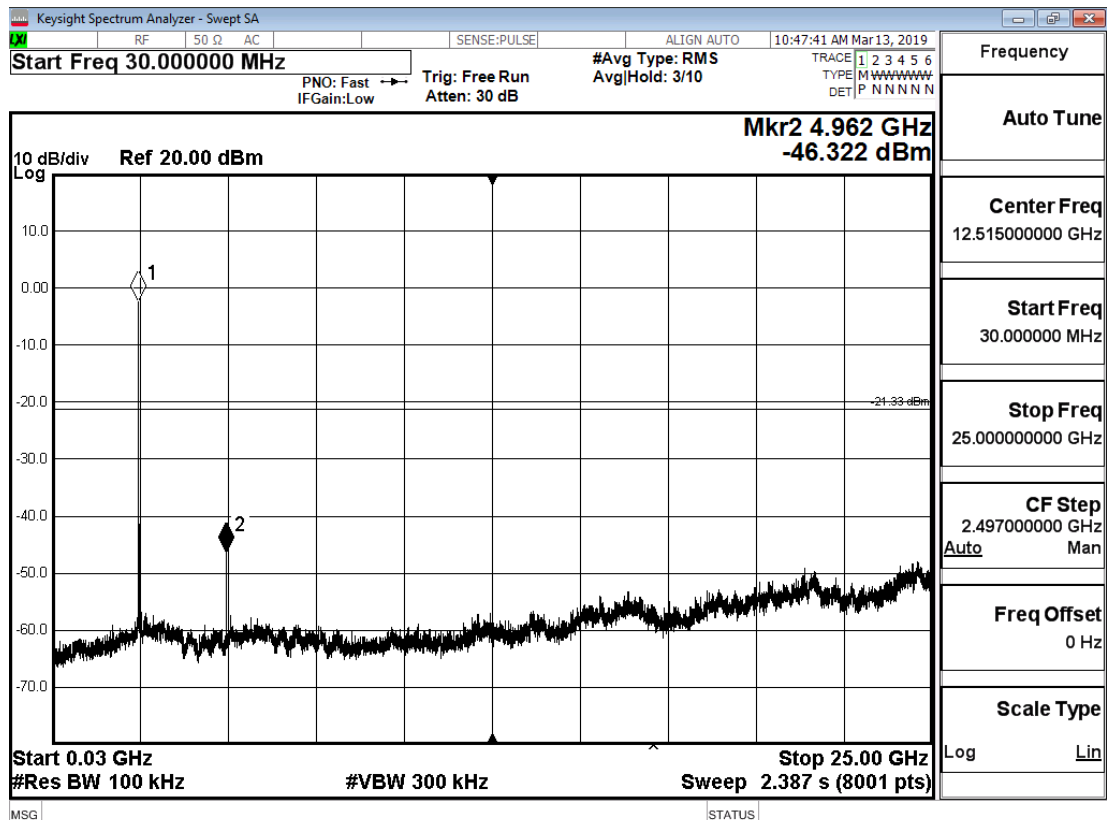


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

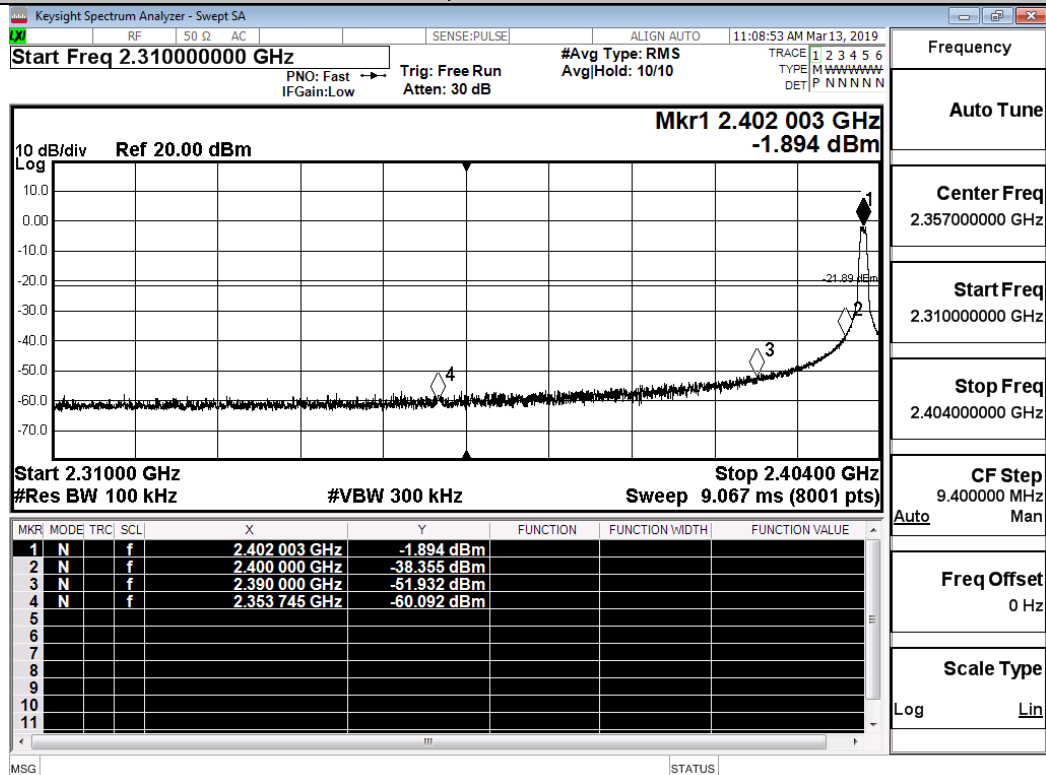


A.6 Band-edge for RF Conducted Emissions

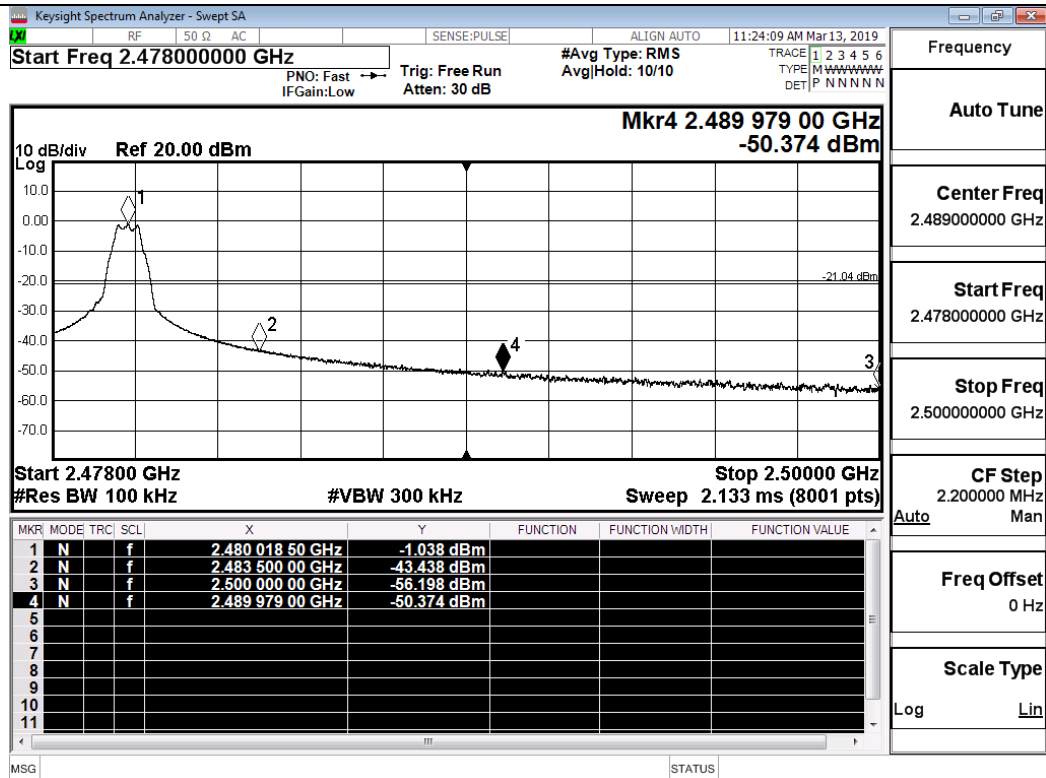
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.894	-38.355	-21.89	PASS
BT LE	HCH	-1.038	-43.438	-21.04	PASS

Test Graphs

LCH



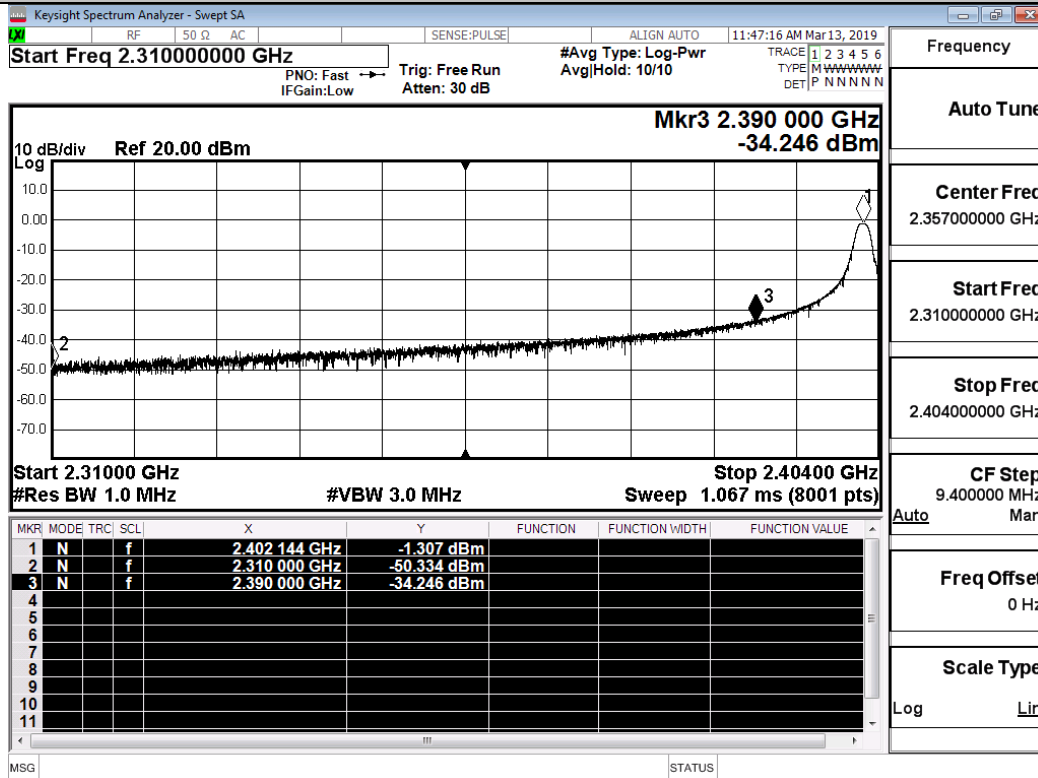
HCH



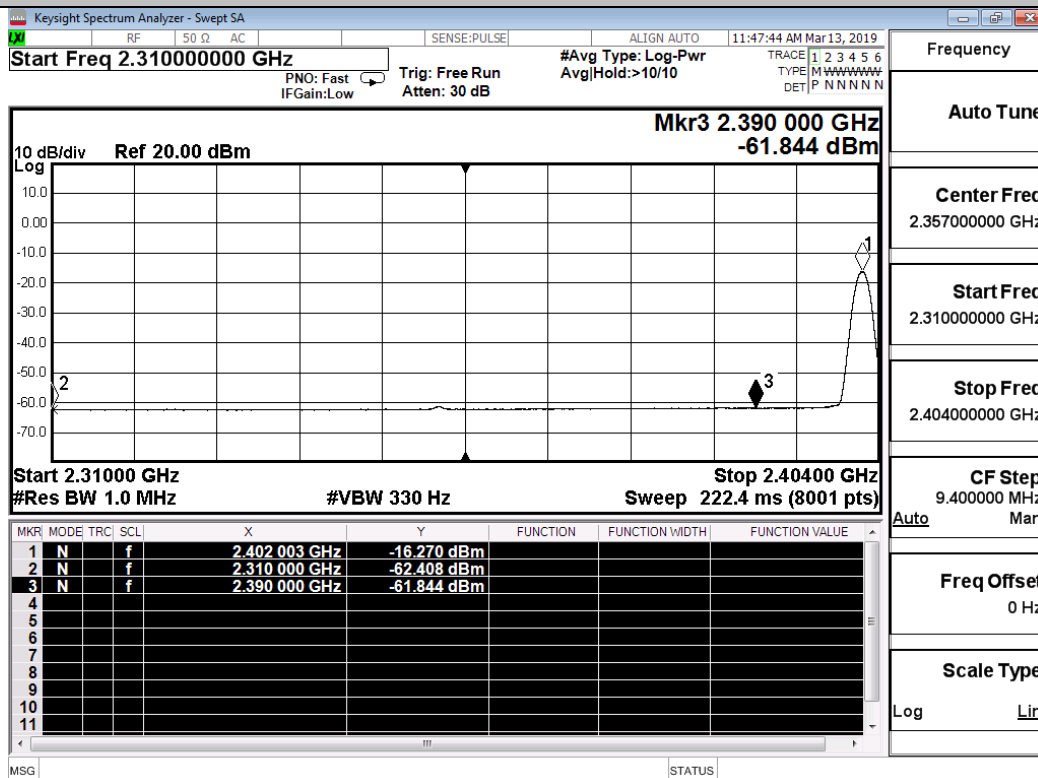
A.7 Restrict-band band-edge measurements

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	-50.334	2.00	0	46.90	PEAK	74	PASS
		Ant1	2310.0	-62.408	2.00	0	34.82	AV	54	PASS
		Ant1	2390.0	-34.246	2.00	0	62.98	PEAK	74	PASS
		Ant1	2390.0	-61.844	2.00	0	35.39	AV	54	PASS
	2480	Ant1	2483.5	-23.991	2.00	0	73.24	PEAK	74	PASS
		Ant1	2483.5	-60.855	2.00	0	36.38	AV	54	PASS
		Ant1	2500.0	-38.831	2.00	0	58.40	PEAK	74	PASS
		Ant1	2500.0	-61.434	2.00	0	35.80	AV	54	PASS

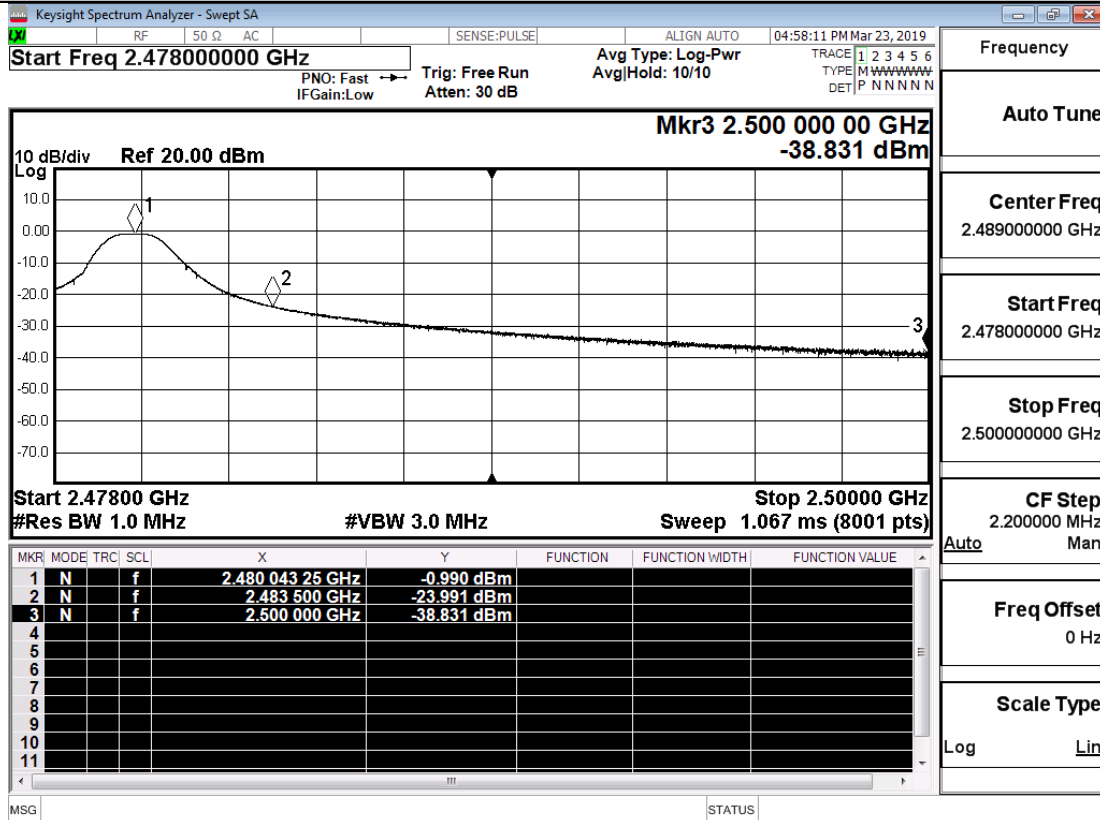
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

