

Appendix A

RF Test Data for BT 4.2(BLE) (Conducted Measurement)

Product Name: WTAB

Trade Mark: WiSilica

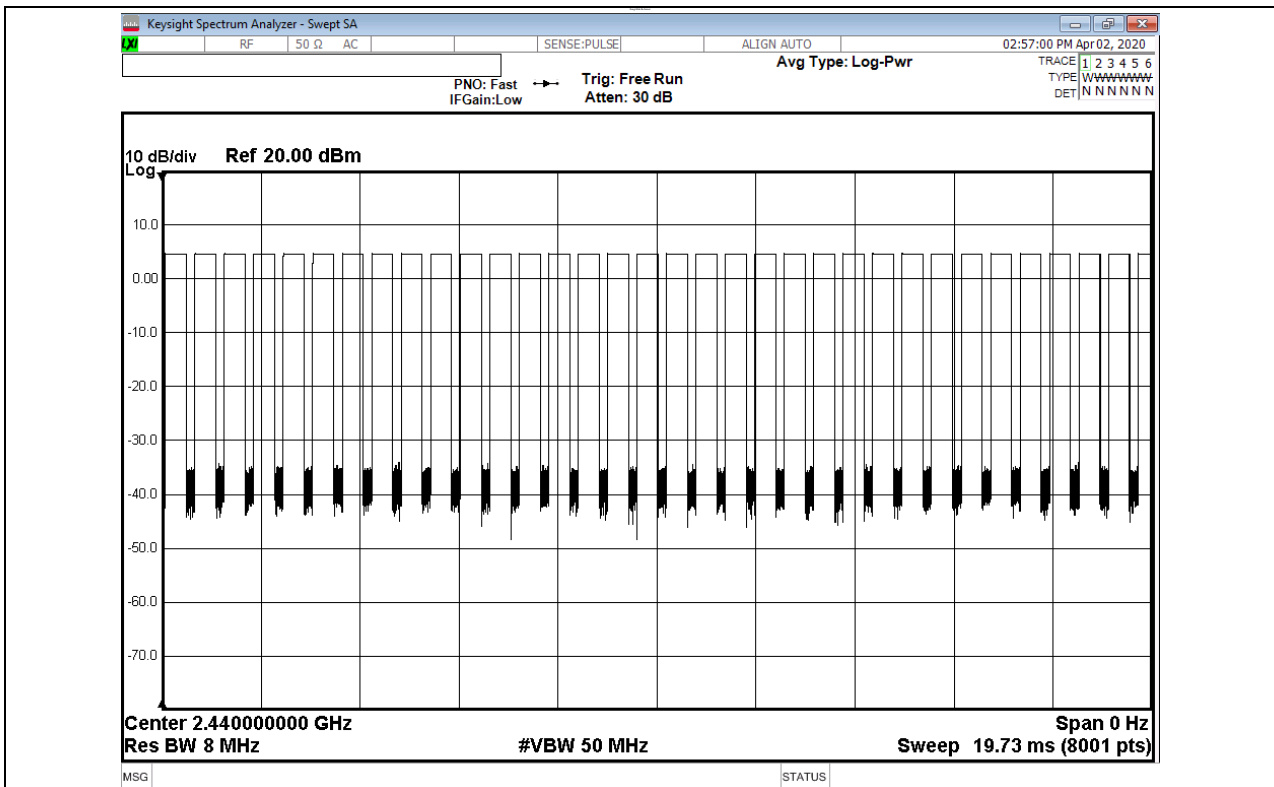
Test Model: WTAB

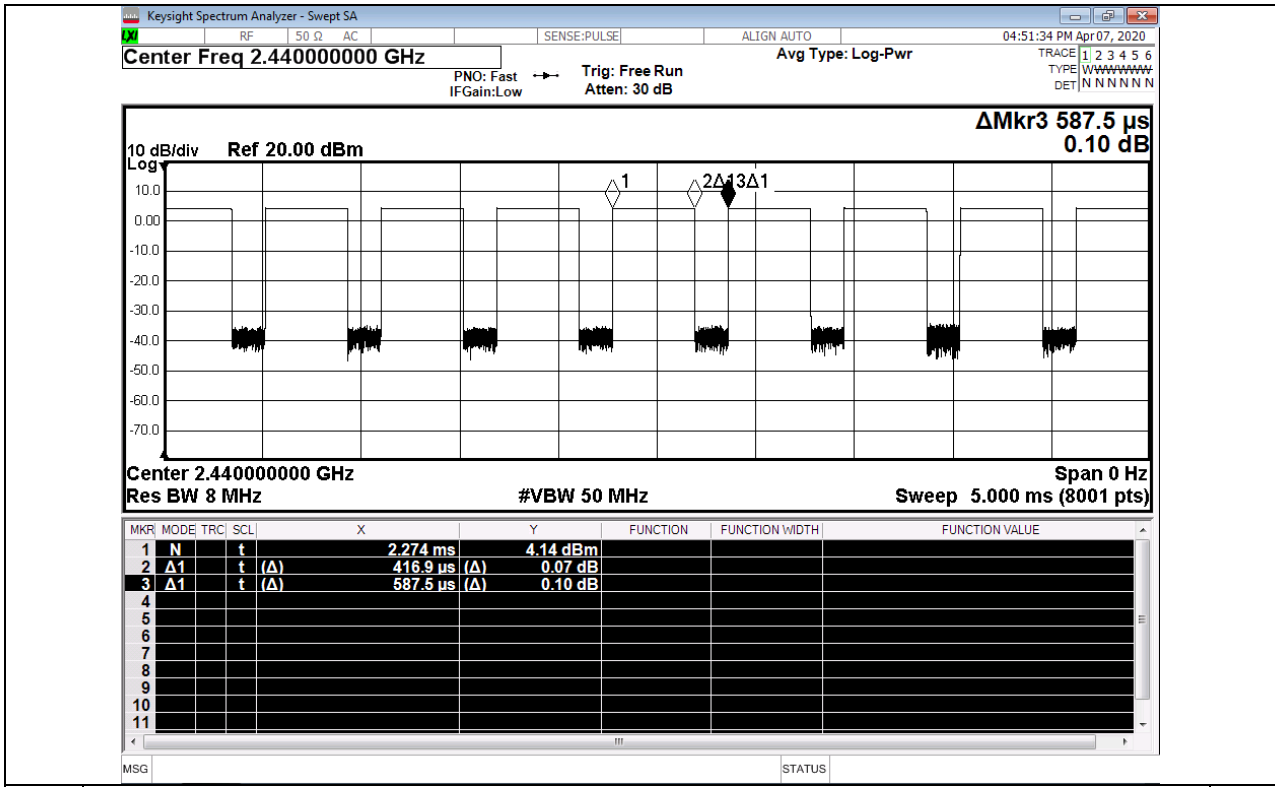
Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	CHUANG WANG
Supervised by:	JAYDEN ZHUO

A.1 Duty Cycle

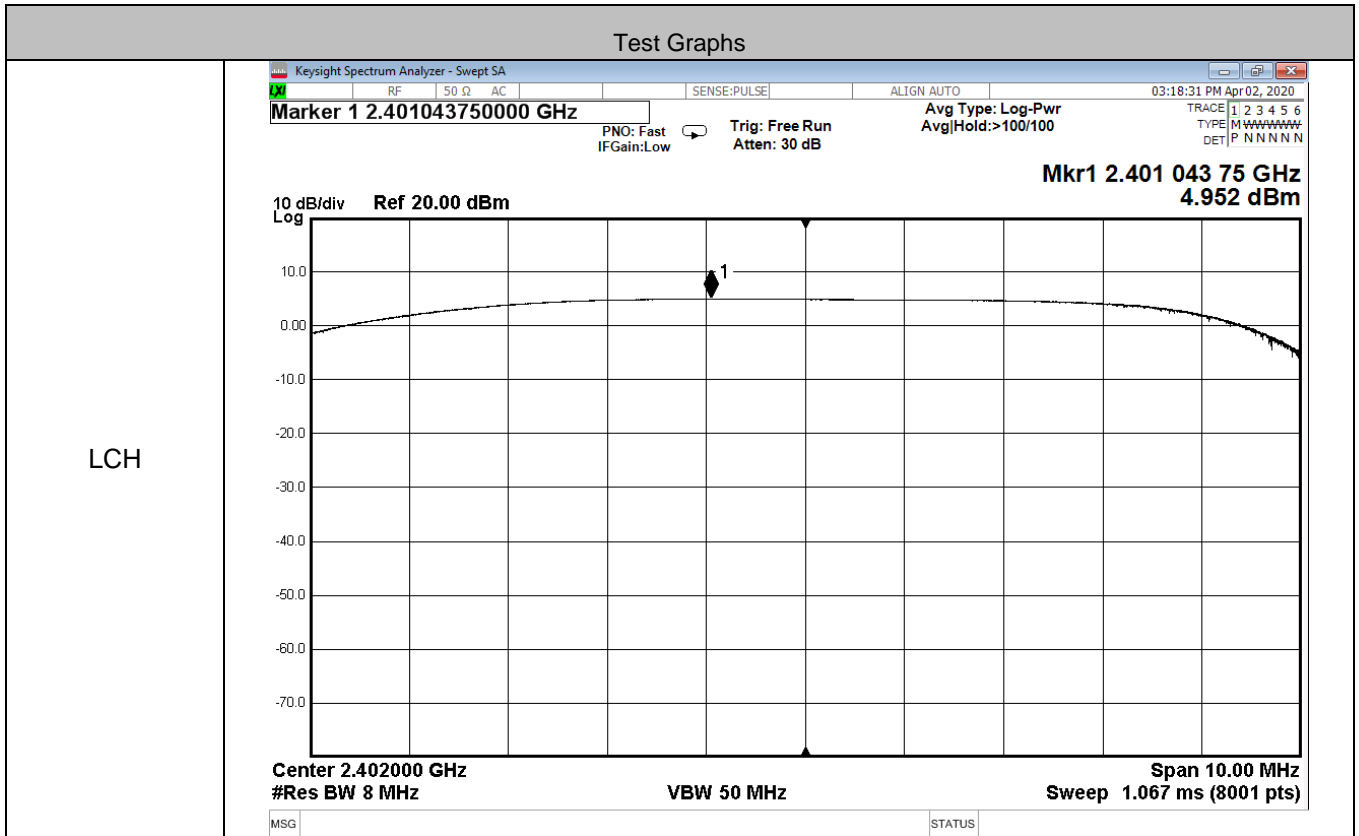
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	70.96	PASS



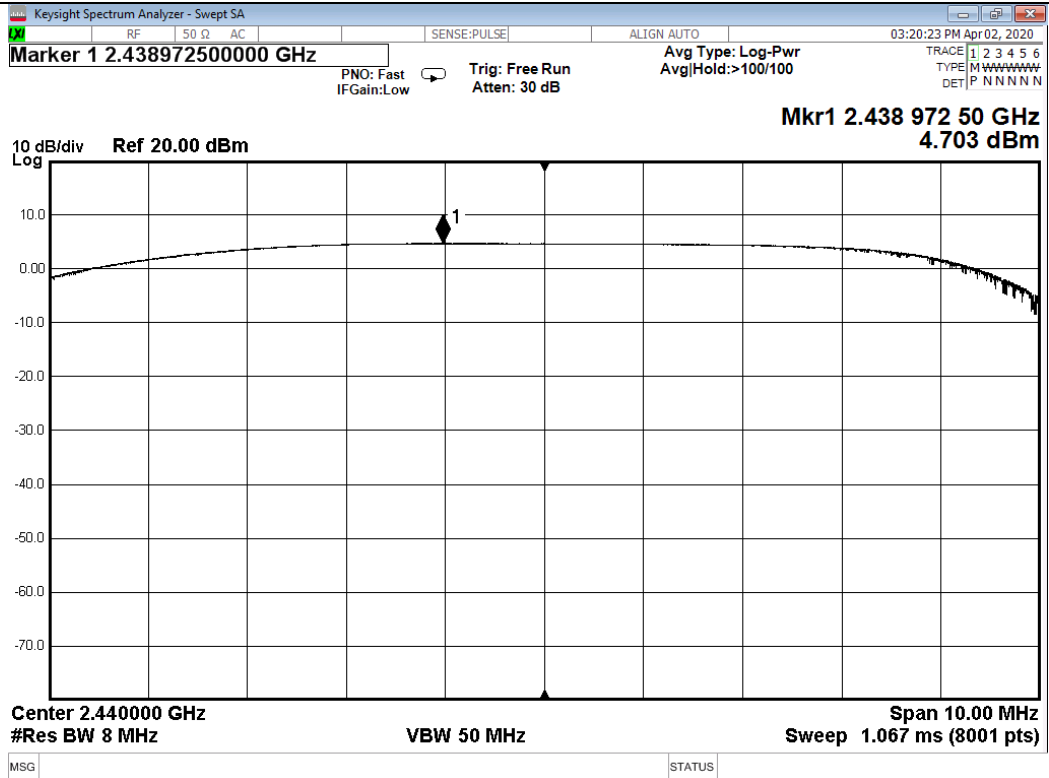


A.2 Maximum Conducted Peak Output Power

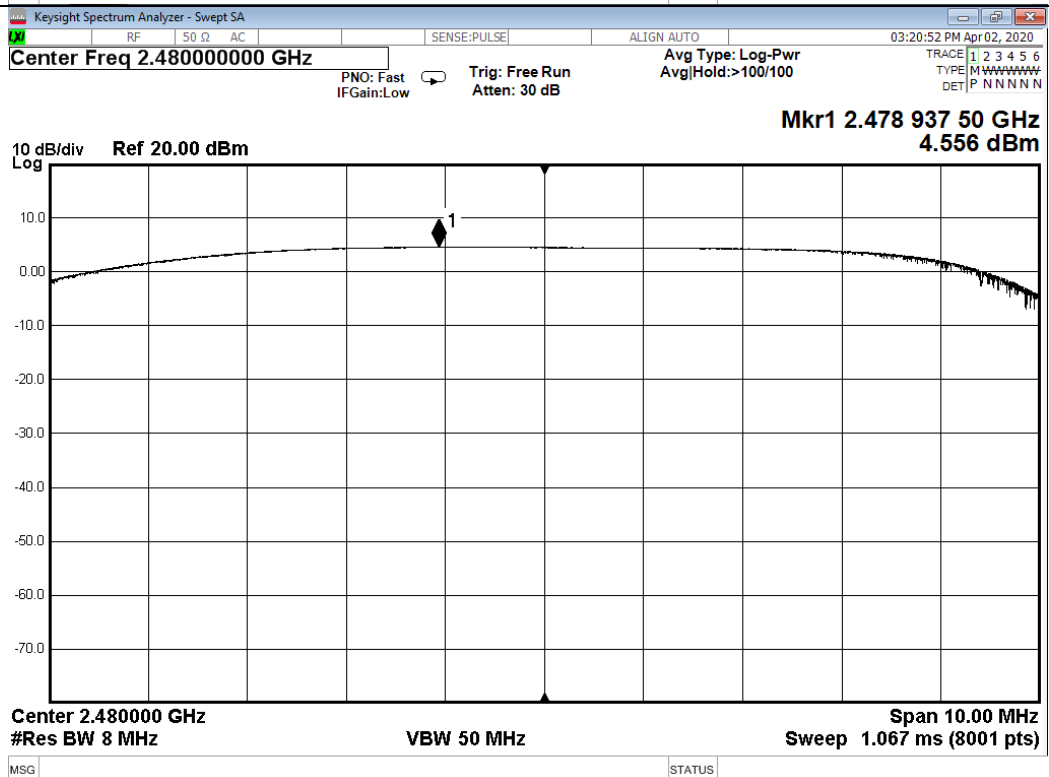
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.952	30	PASS
BT LE	MCH	4.703	30	PASS
BT LE	HCH	4.556	30	PASS



MCH

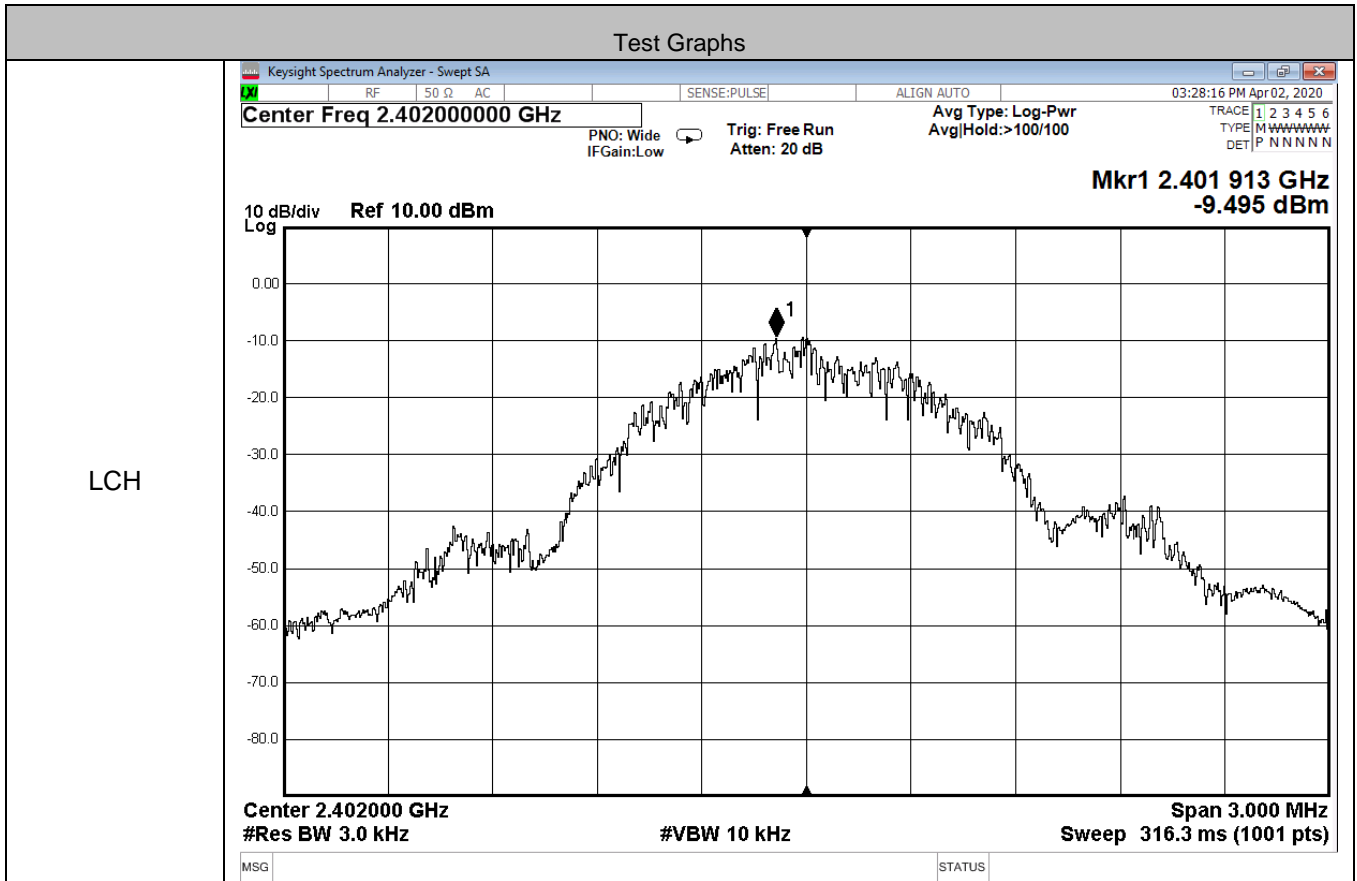


HCH

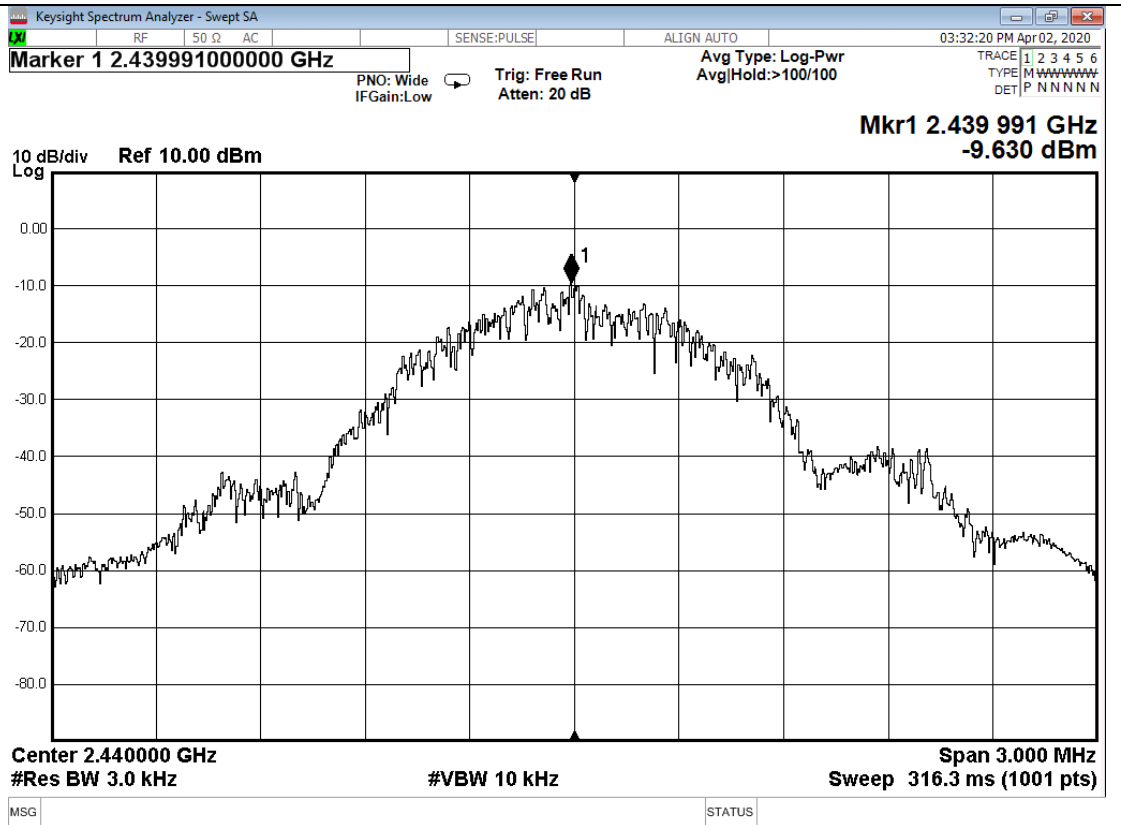


A.3 Maximum Power Spectral Density

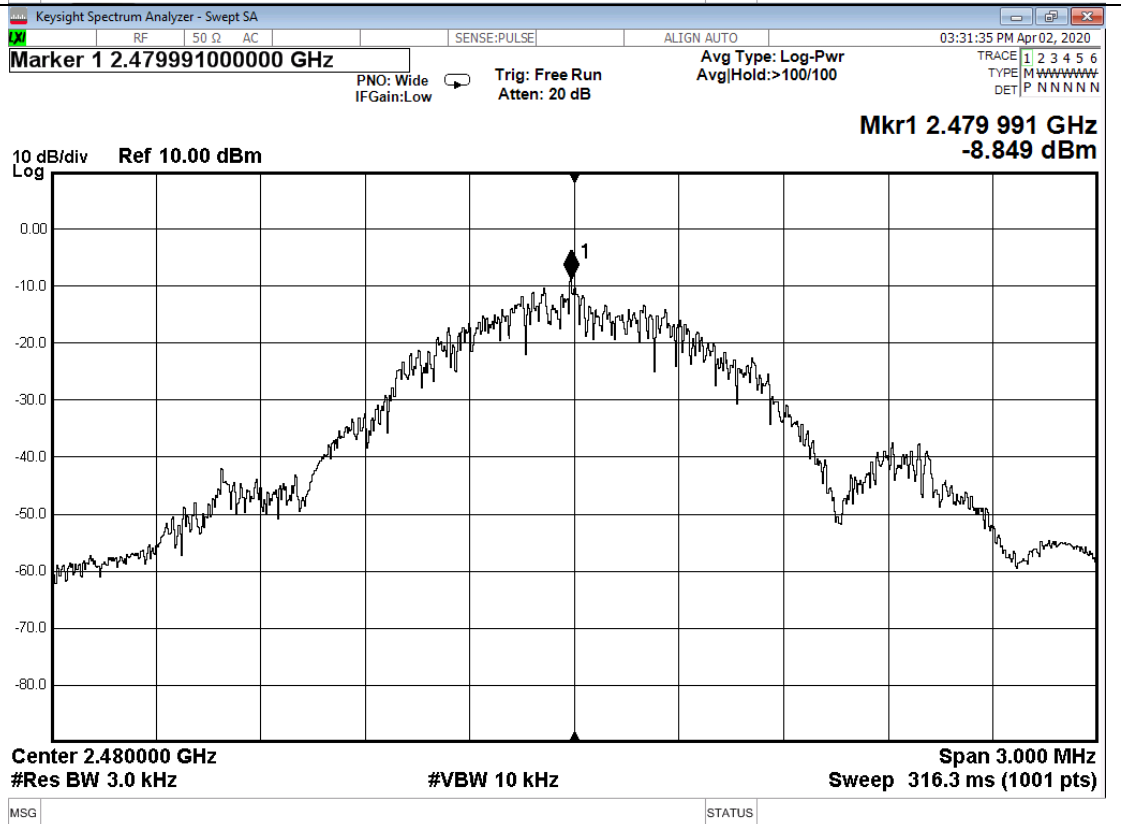
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-9.495	8	PASS
BT LE	MCH	-9.630	8	PASS
BT LE	HCH	-8.849	8	PASS



MCH

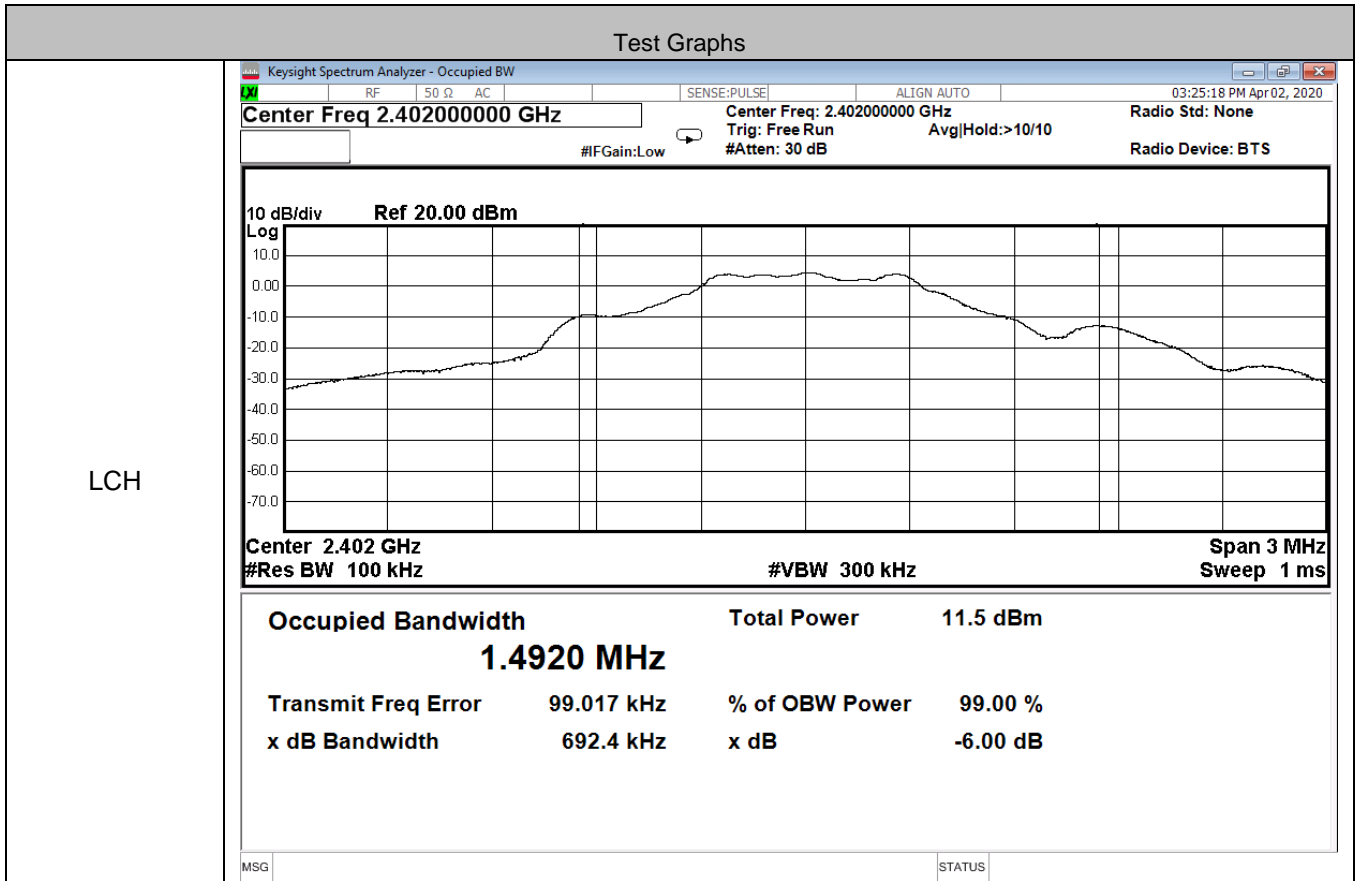


HCH

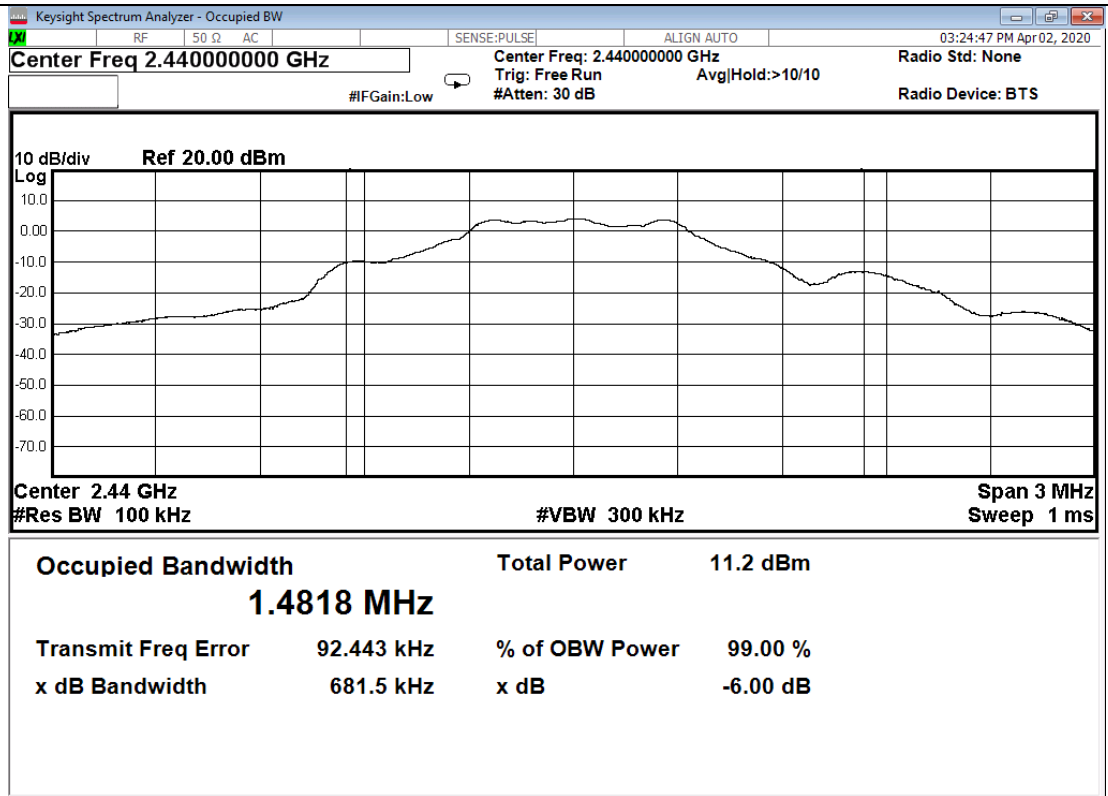


A.4 6dB Bandwidth and Occupied Bandwidth

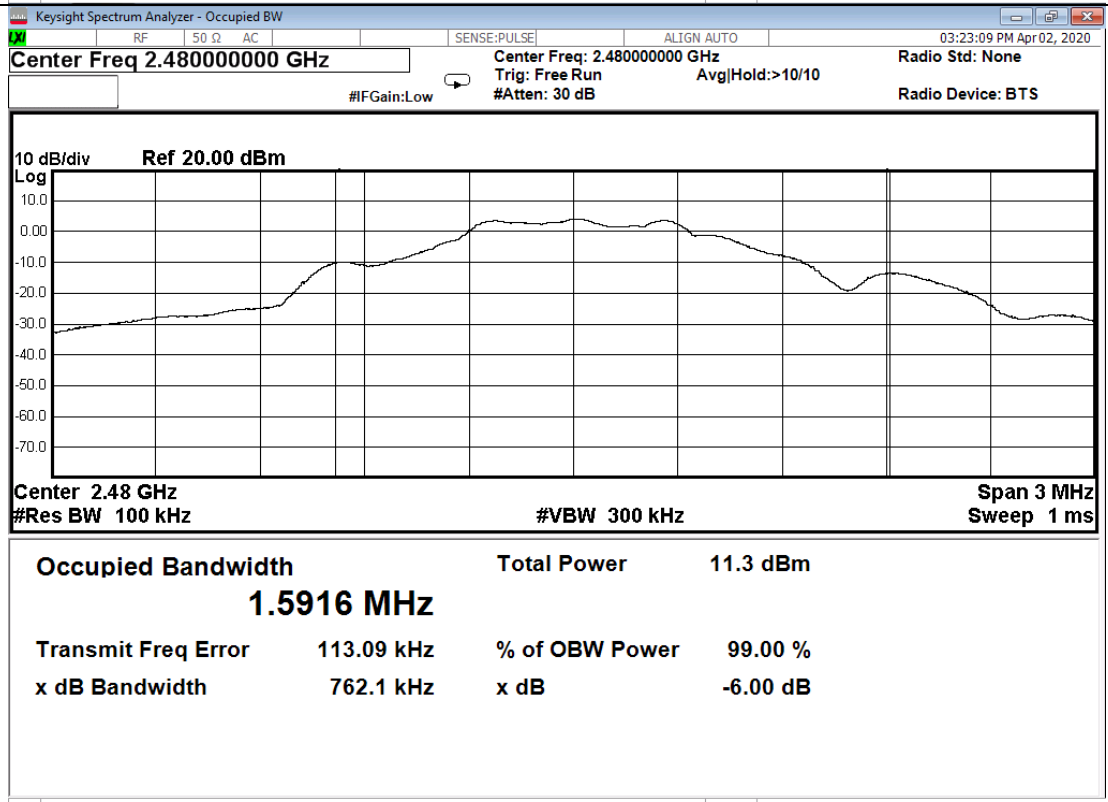
Mode	Channel	Occupied Bandwidth [MHz]	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.4920	0.6924	≥0.5	PASS
BT LE	MCH	1.4818	0.6815	≥0.5	PASS
BT LE	HCH	1.5916	0.7621	≥0.5	PASS



MCH



HCH

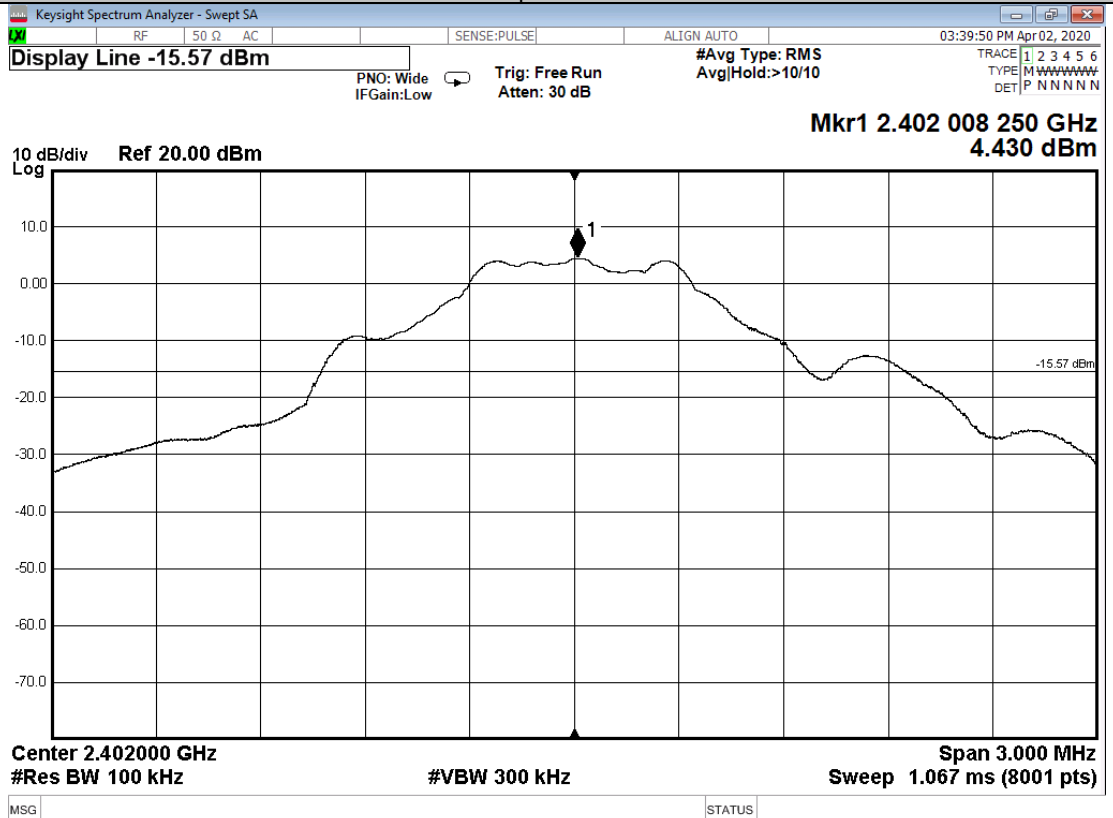


A.6 RF Conducted Spurious Emissions

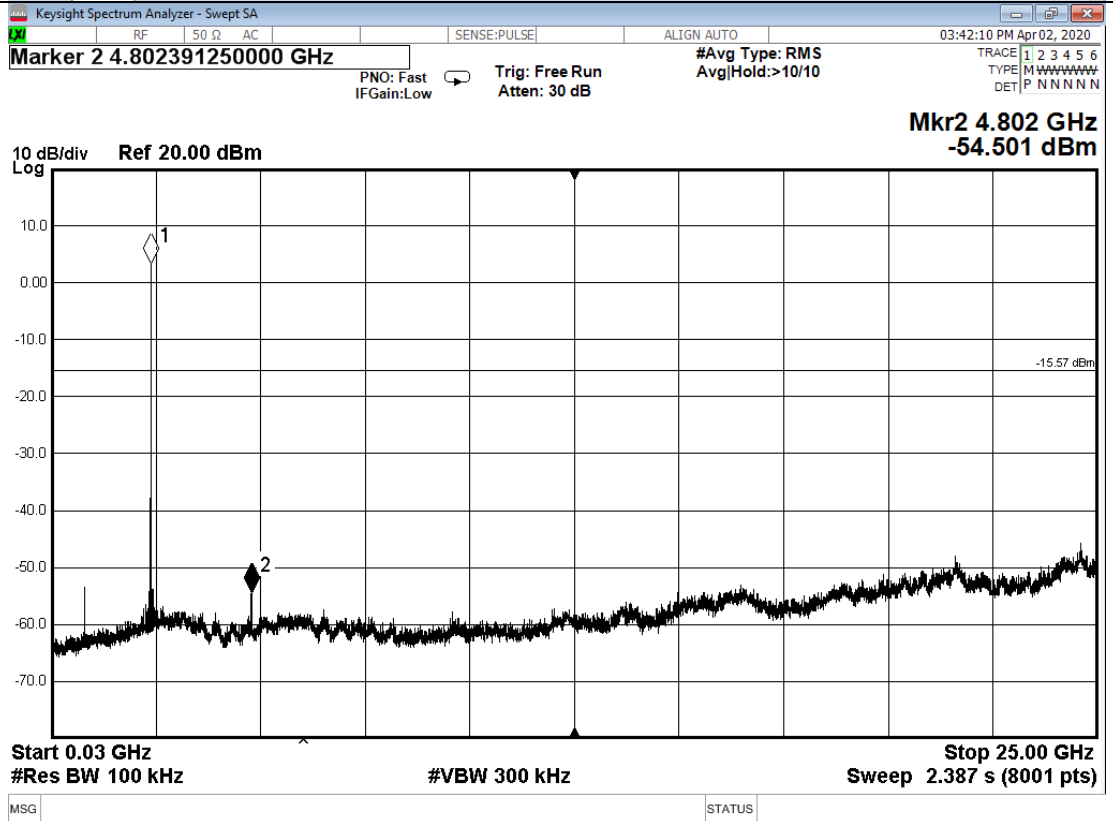
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.430	-54.501	-15.57	PASS
BT LE	MCH	4.138	-53.059	-15.86	PASS
BT LE	HCH	4.057	-51.777	-15.94	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

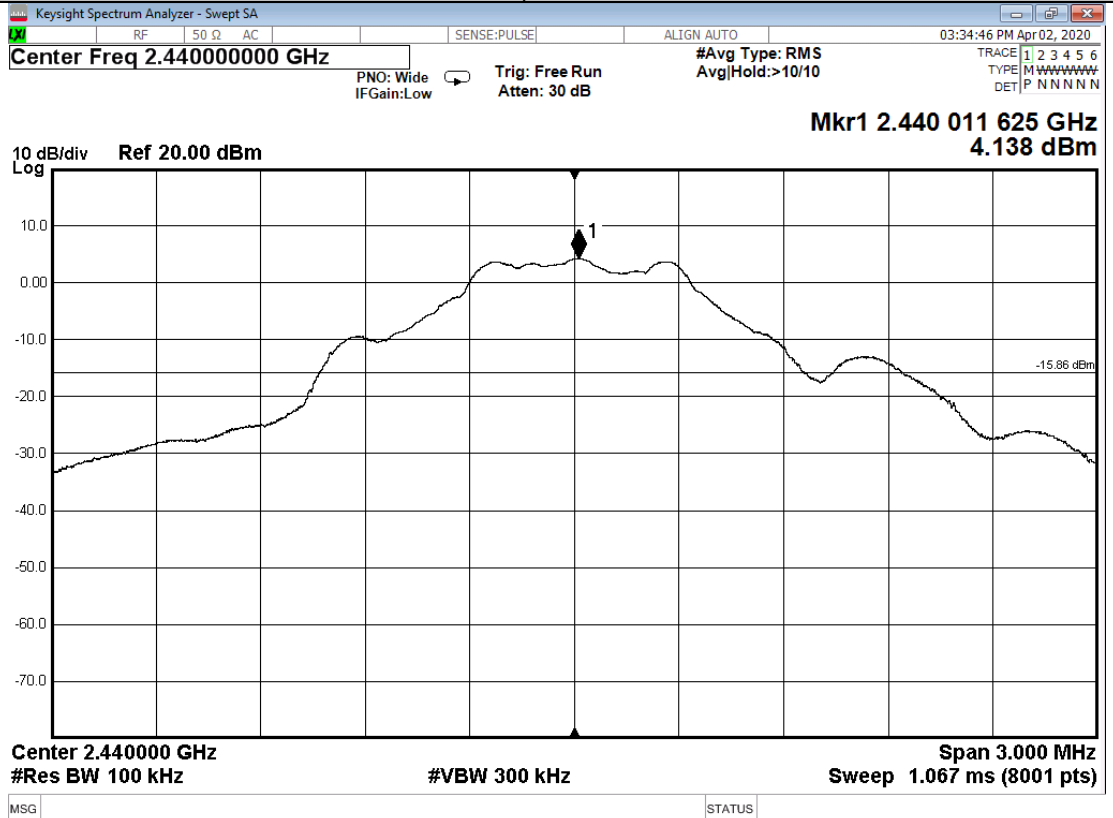


Puw/BT LE/LCH

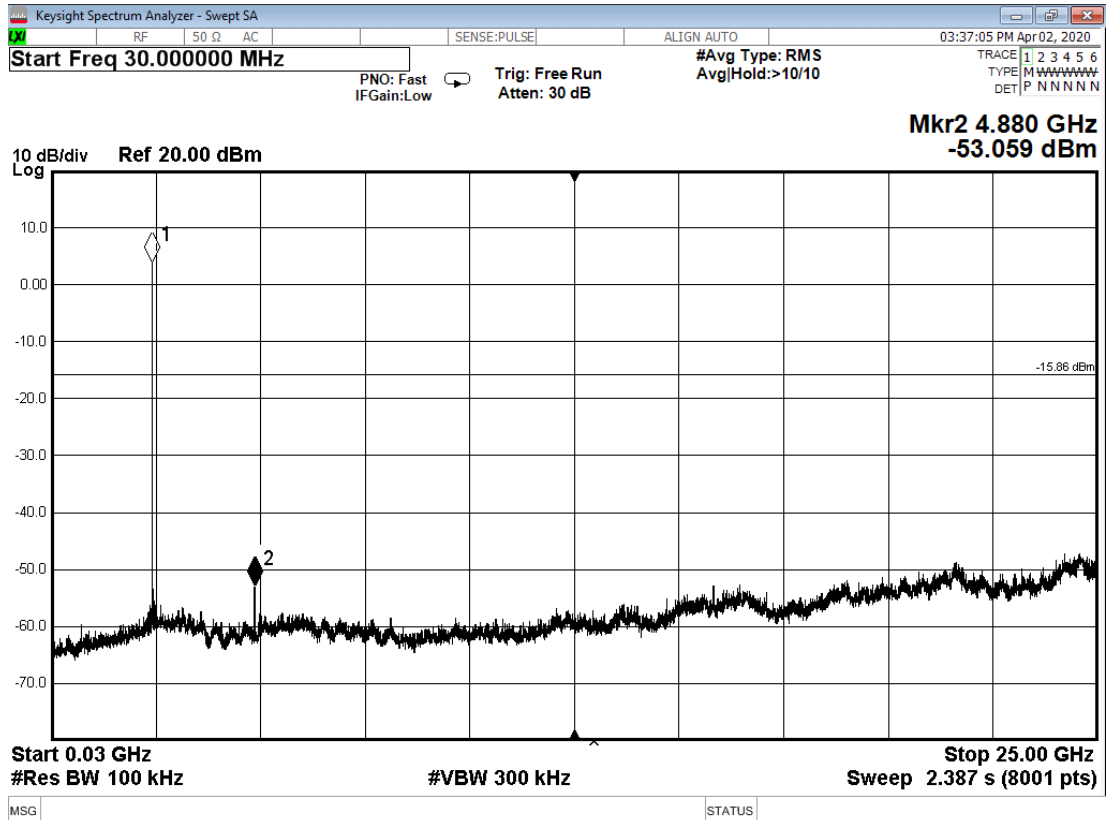


BT LE_MCH_Graphs

Pref/BT LE/MCH

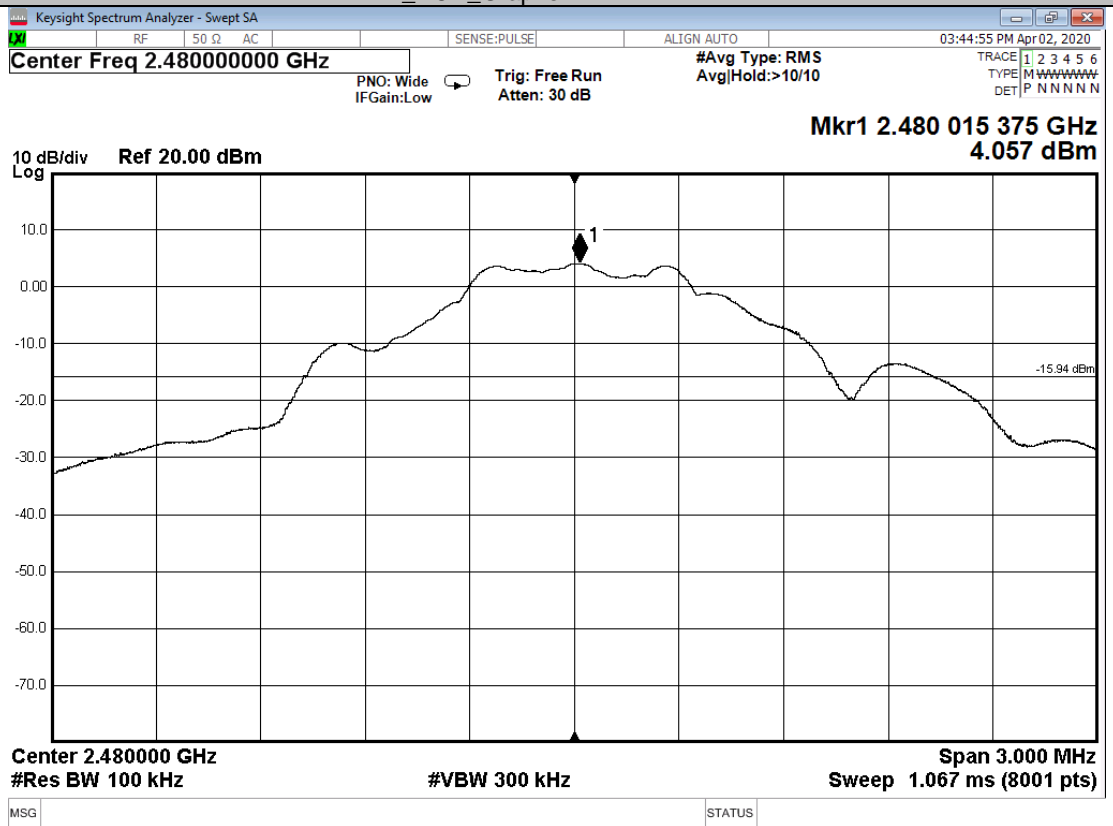


Puw/BT LE/MCH

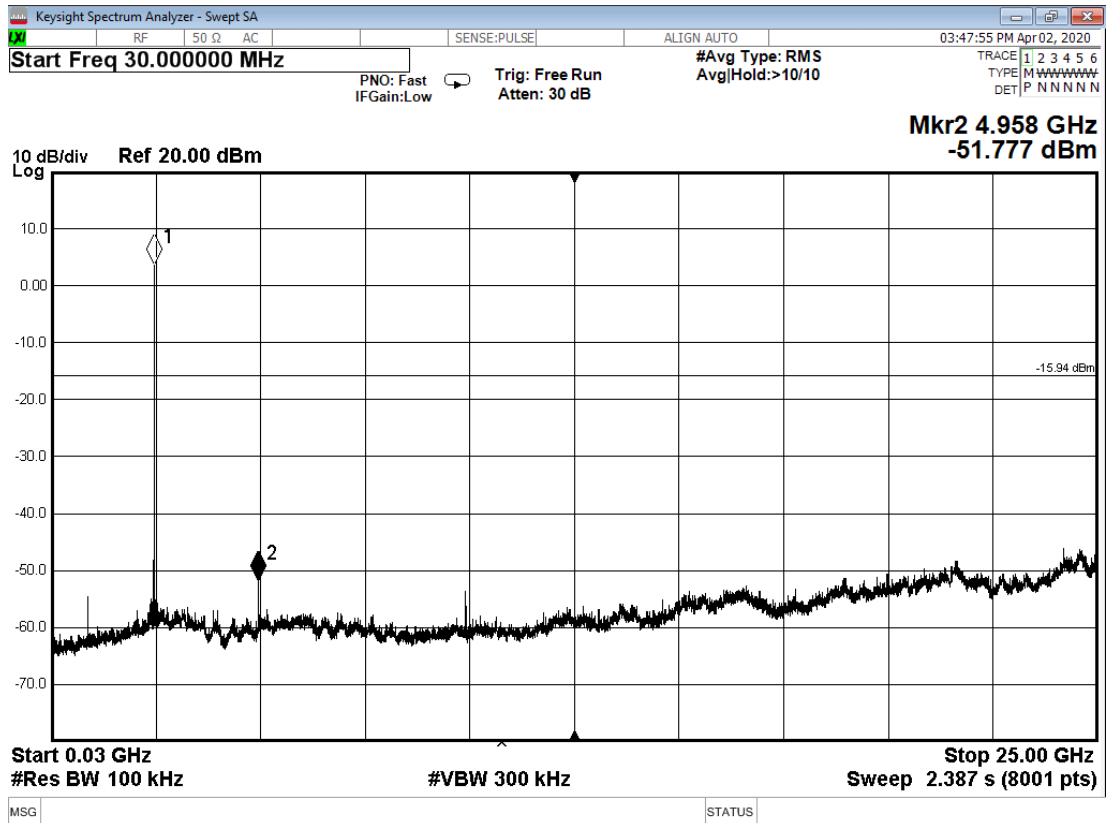


BT LE_HCH_Graphs

Pref/BT LE/HCH

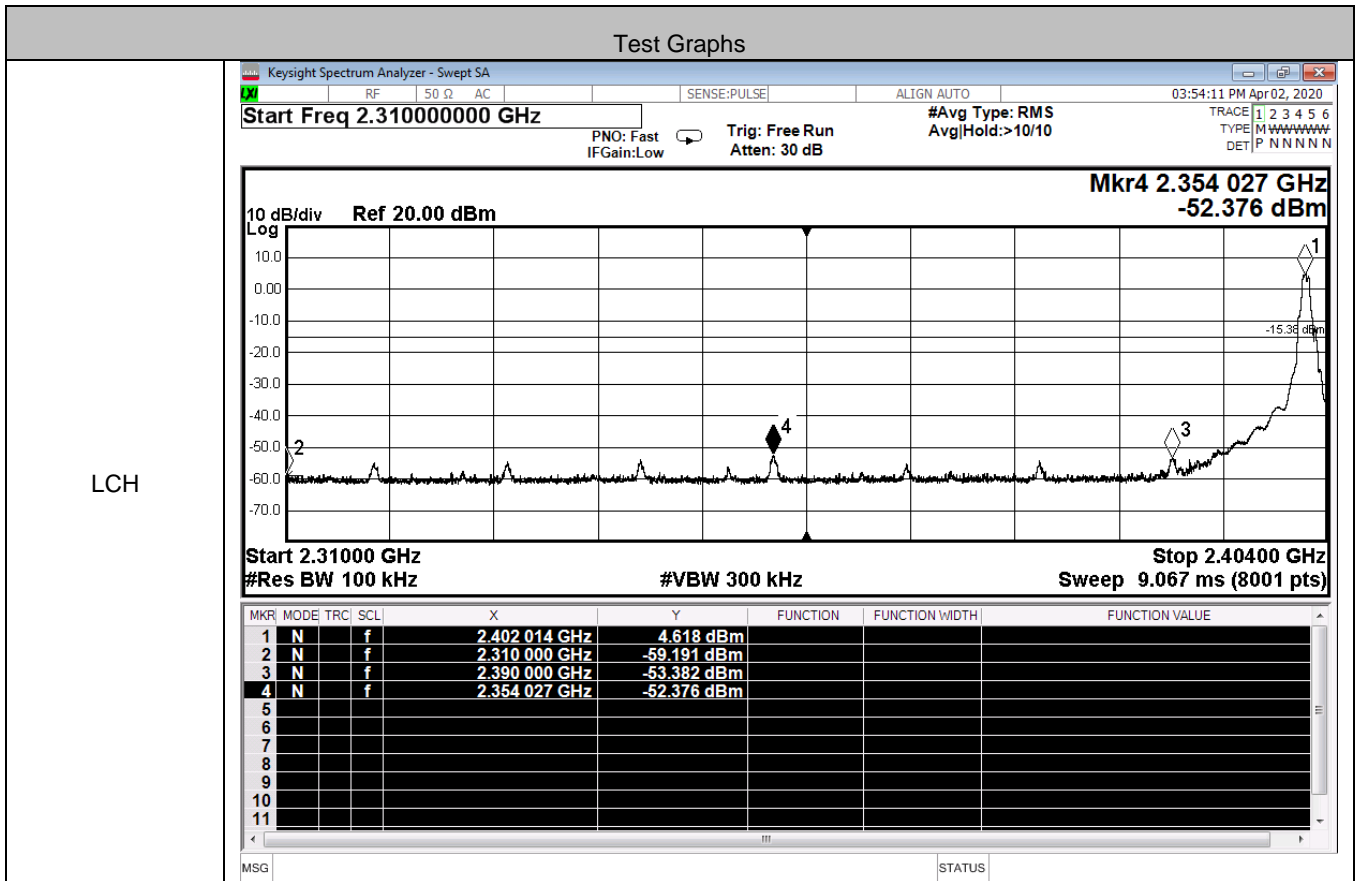


Puw/BT LE/HCH

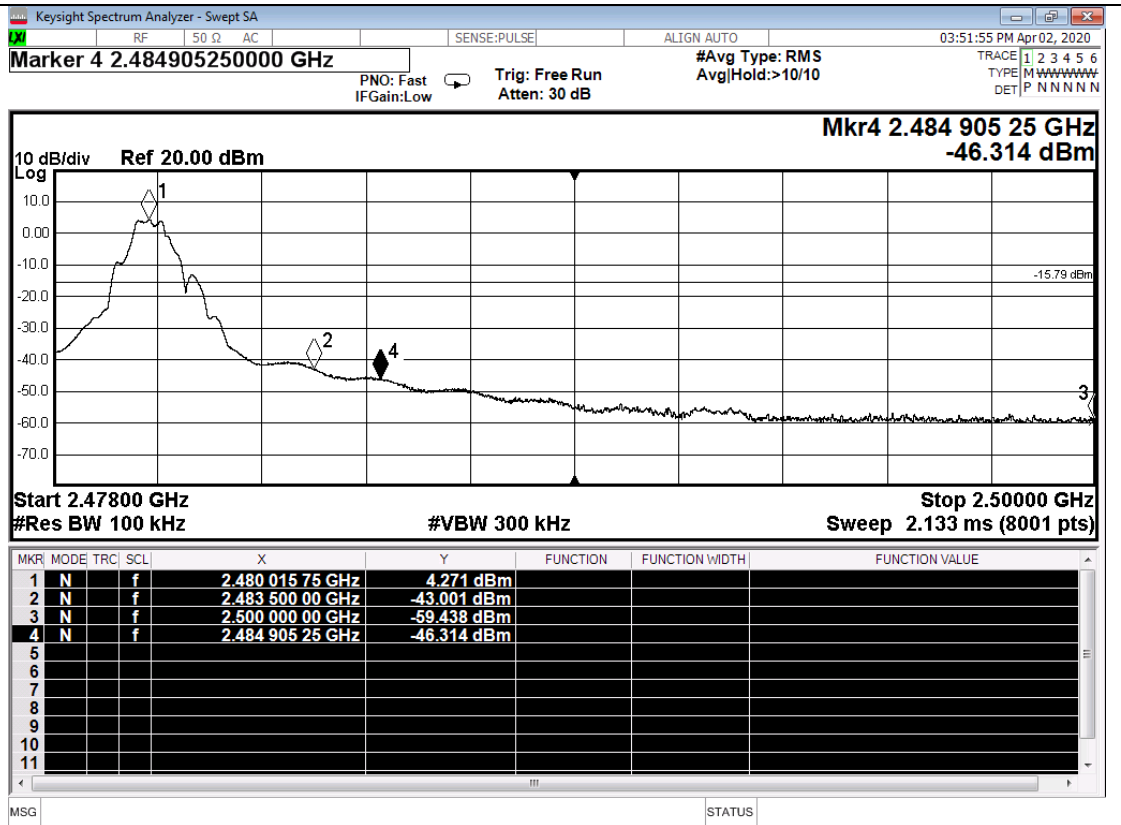


A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.618	-52.376	-15.38	PASS
BT LE	HCH	4.271	-43.001	-15.73	PASS



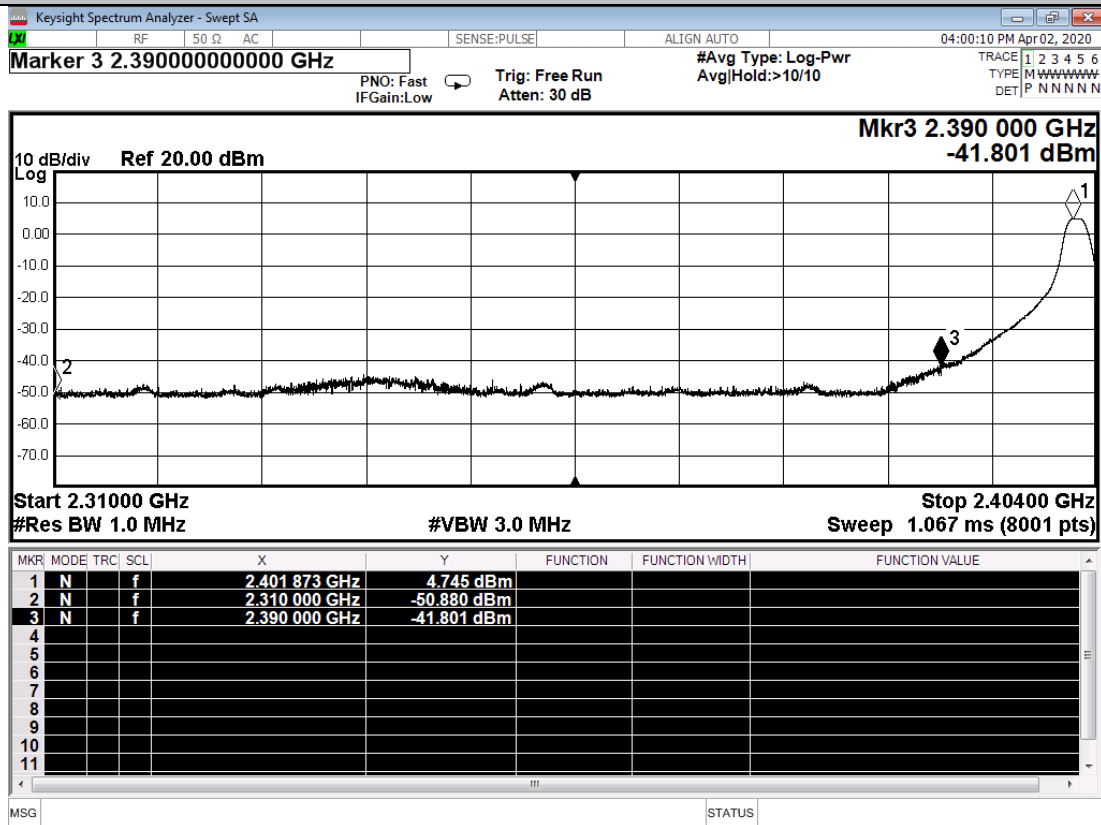
HCH



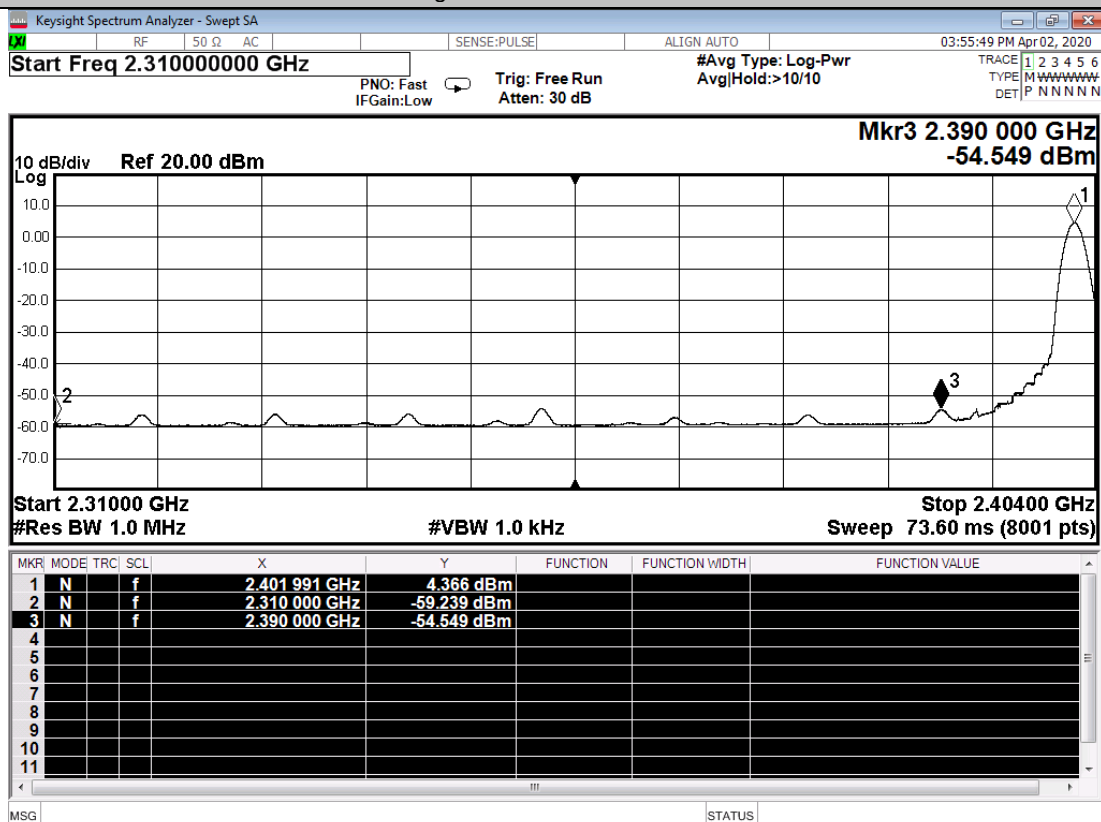
A.8 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-50.880	2.0	0	46.35	PEAK	74	PASS
		Ant1	2310.0	-59.239	2.0	0	37.99	AV	54	PASS
		Ant1	2390.0	-41.801	2.0	0	55.43	PEAK	74	PASS
		Ant1	2390.0	-54.549	2.0	0	42.68	AV	54	PASS
	2480	Ant1	2483.5	-24.209	2.0	0	73.02	PEAK	74	PASS
		Ant1	2483.5	-30.506	2.0	0	38.63	AV	54	PASS
		Ant1	2500.0	-49.789	2.0	0	47.44	PEAK	74	PASS
		Ant1	2500.0	-52.961	2.0	0	36.21	AV	54	PASS

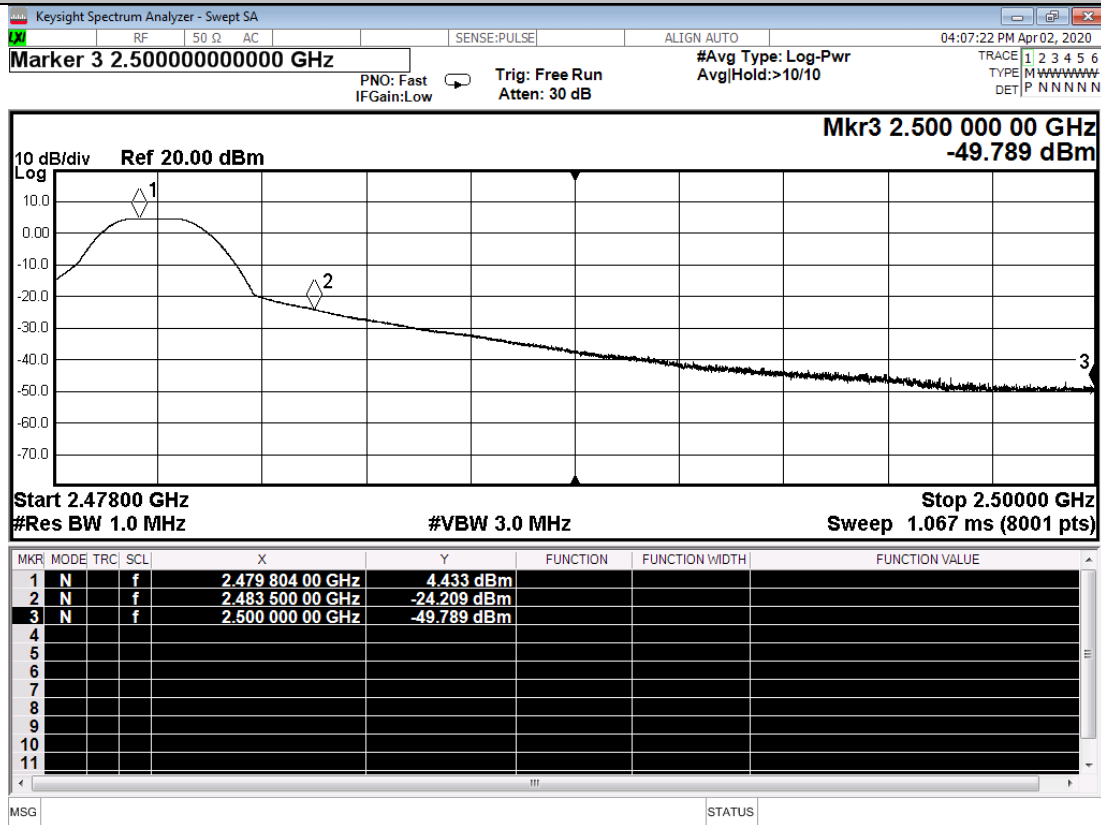
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

