

## Appendix B

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

Product Name: Wireless Speaker

Trade Mark: N/A

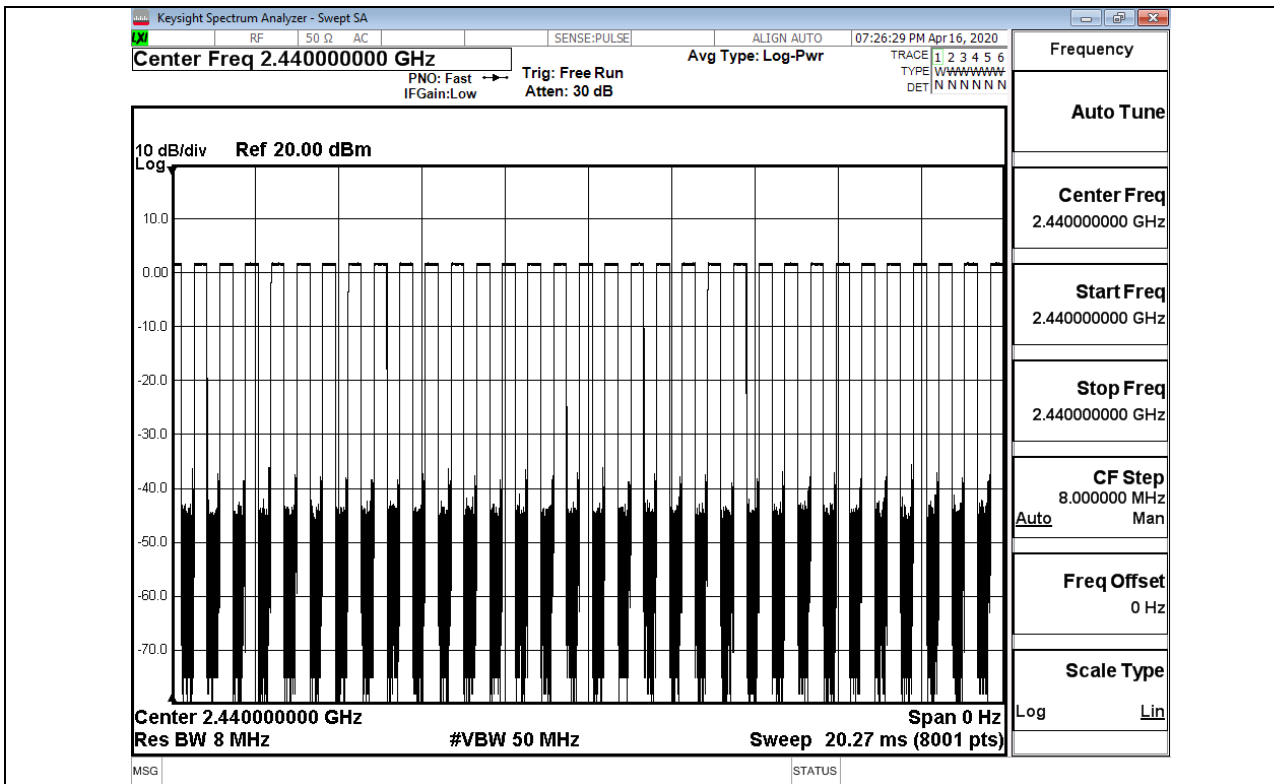
Test Model: HT-1316

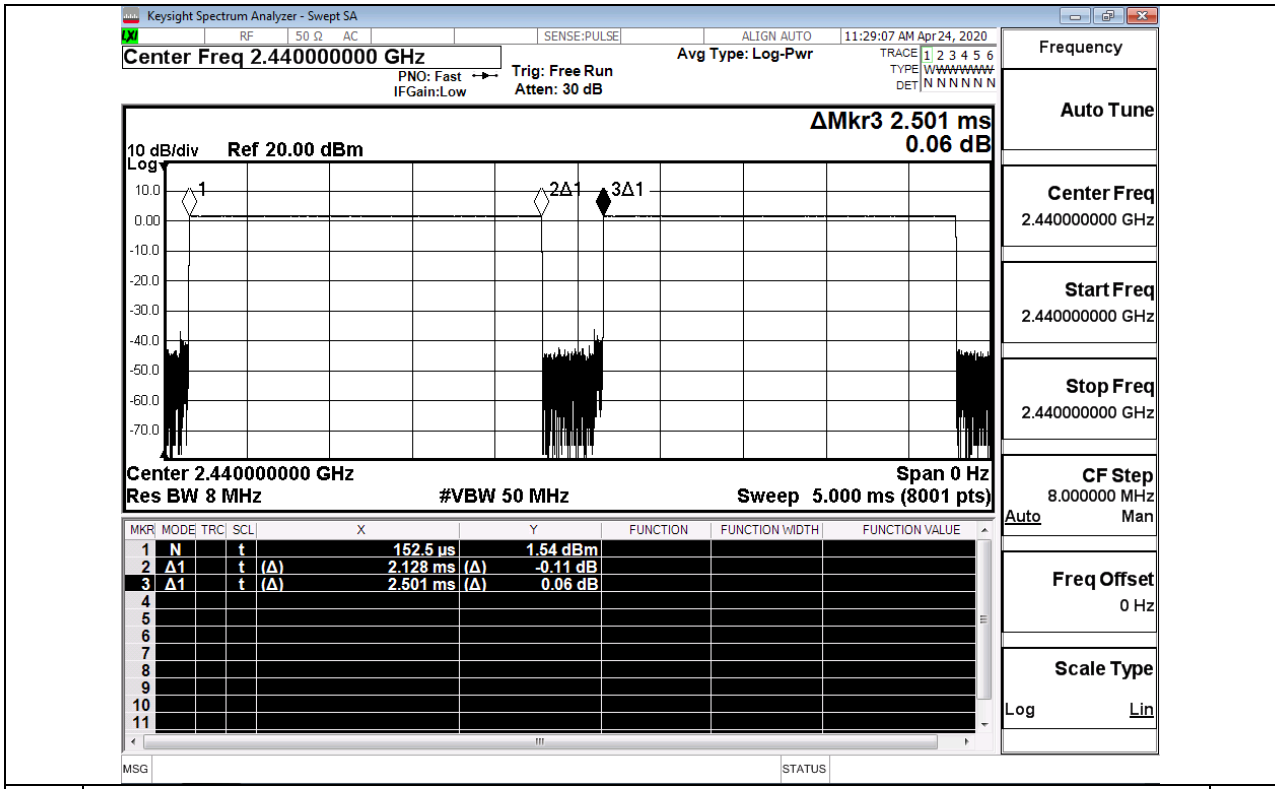
#### Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	CHUANG WANG
Supervised by:	Jayden.Zhuo

#### B.1 Duty Cycle

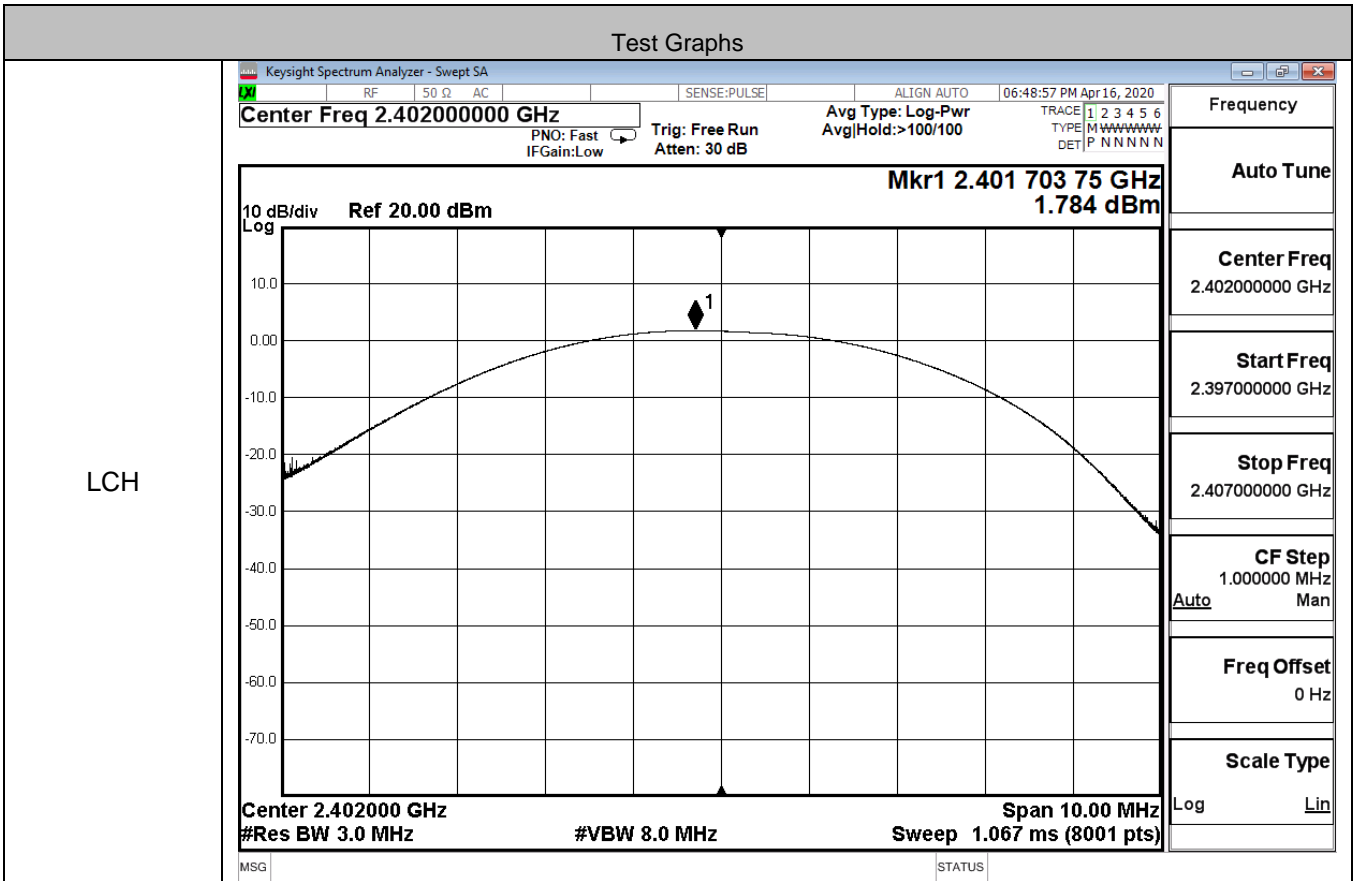
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	85.09	PASS



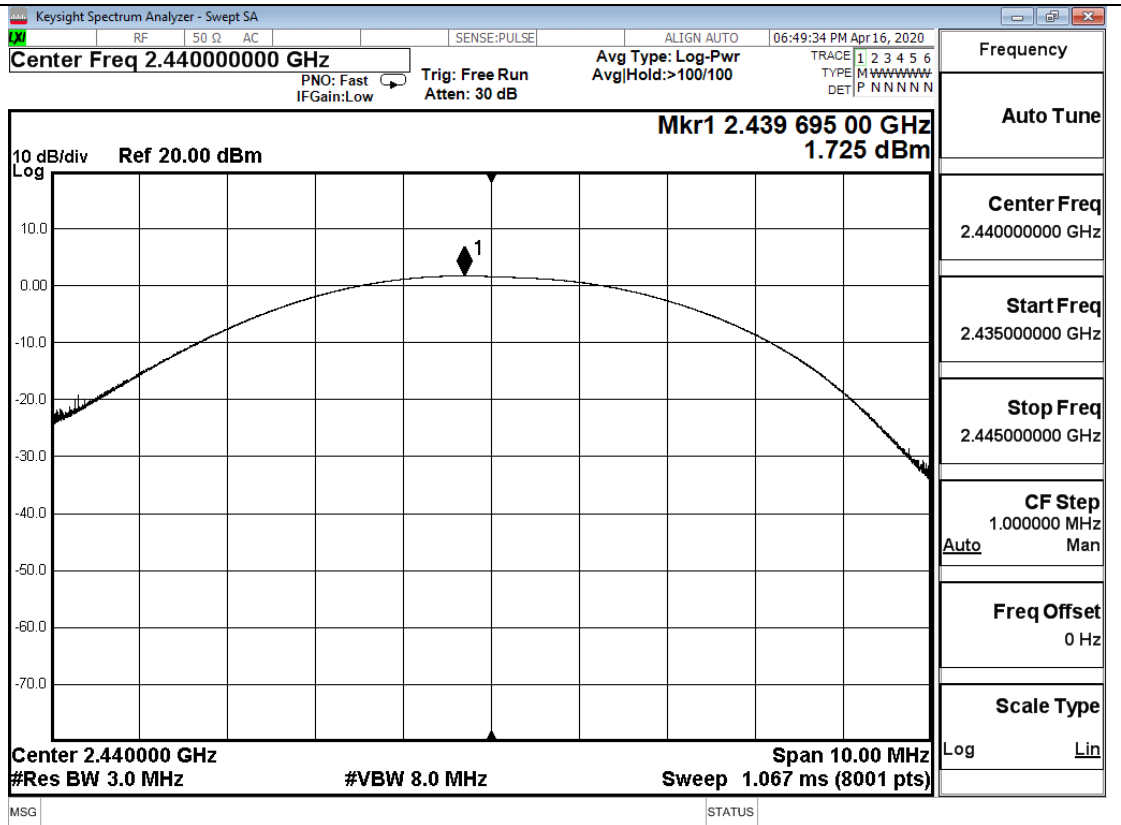


### B.2 Maximum Conducted Peak Output Power

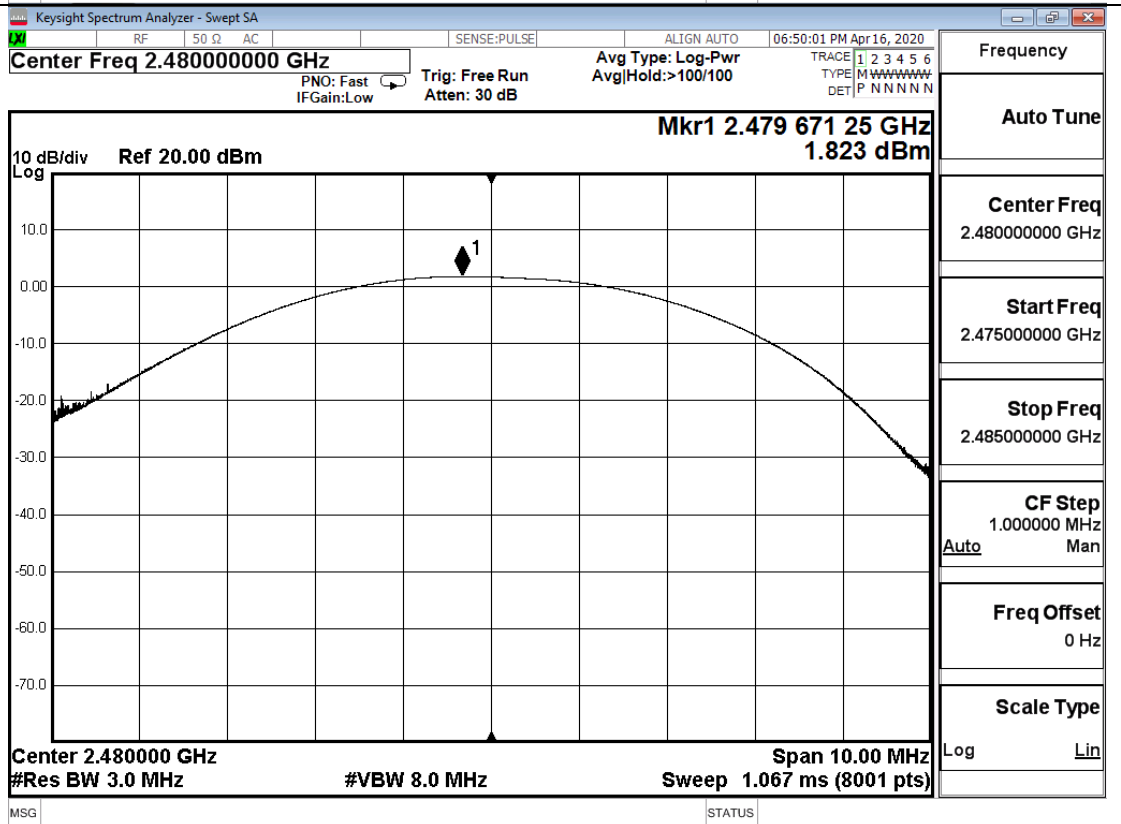
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.784	30	PASS
BT LE	MCH	1.725	30	PASS
BT LE	HCH	1.723	30	PASS



MCH

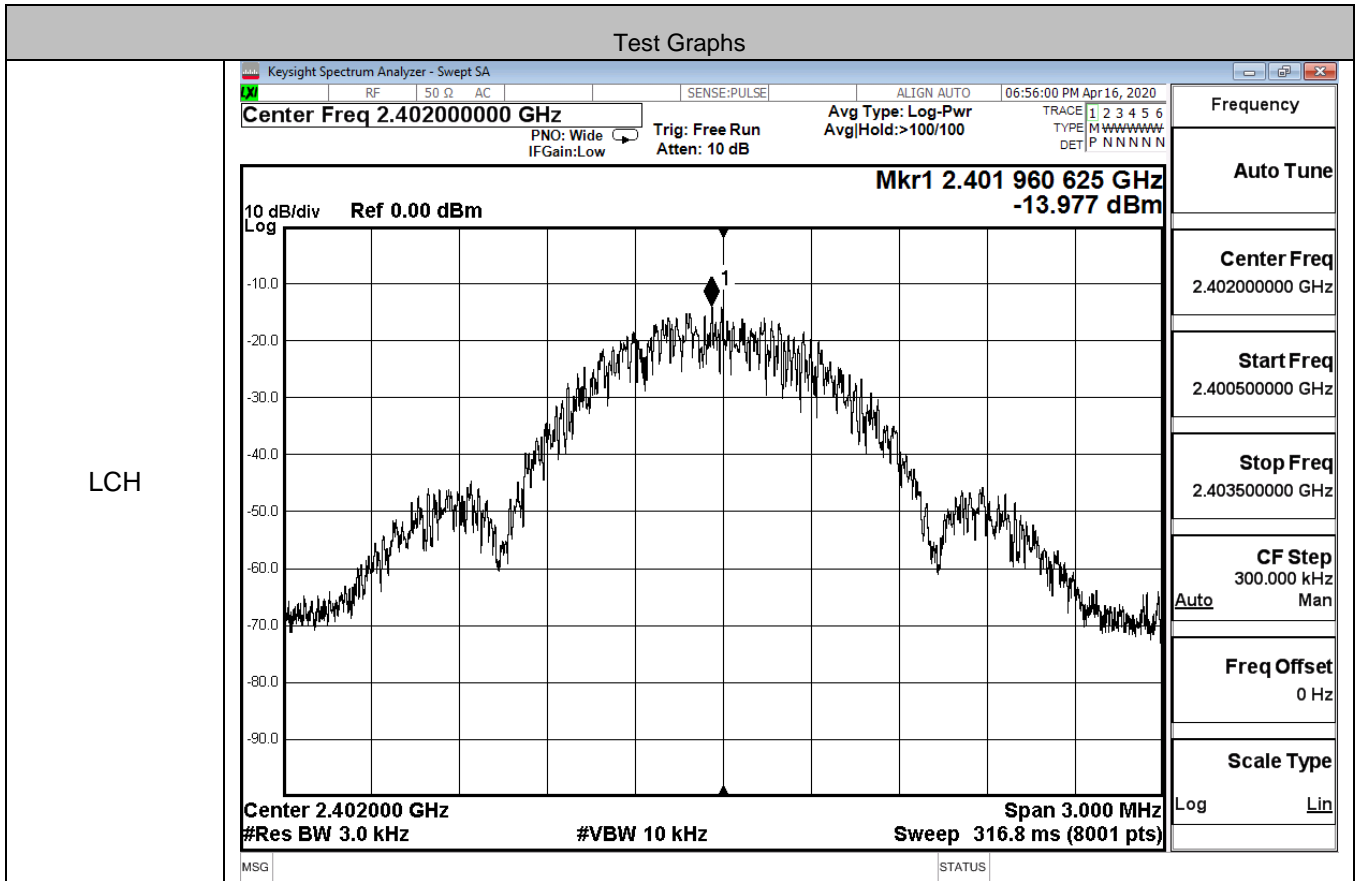


HCH

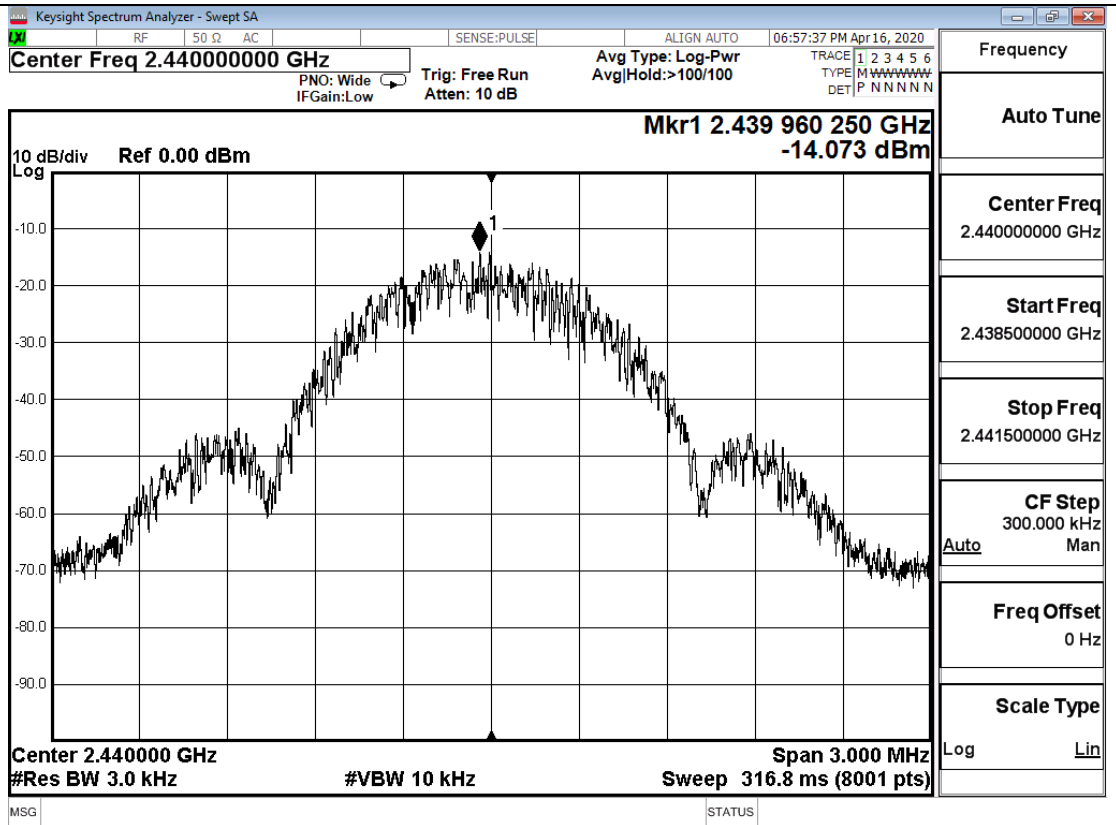


### B.3 Maximum Power Spectral Density

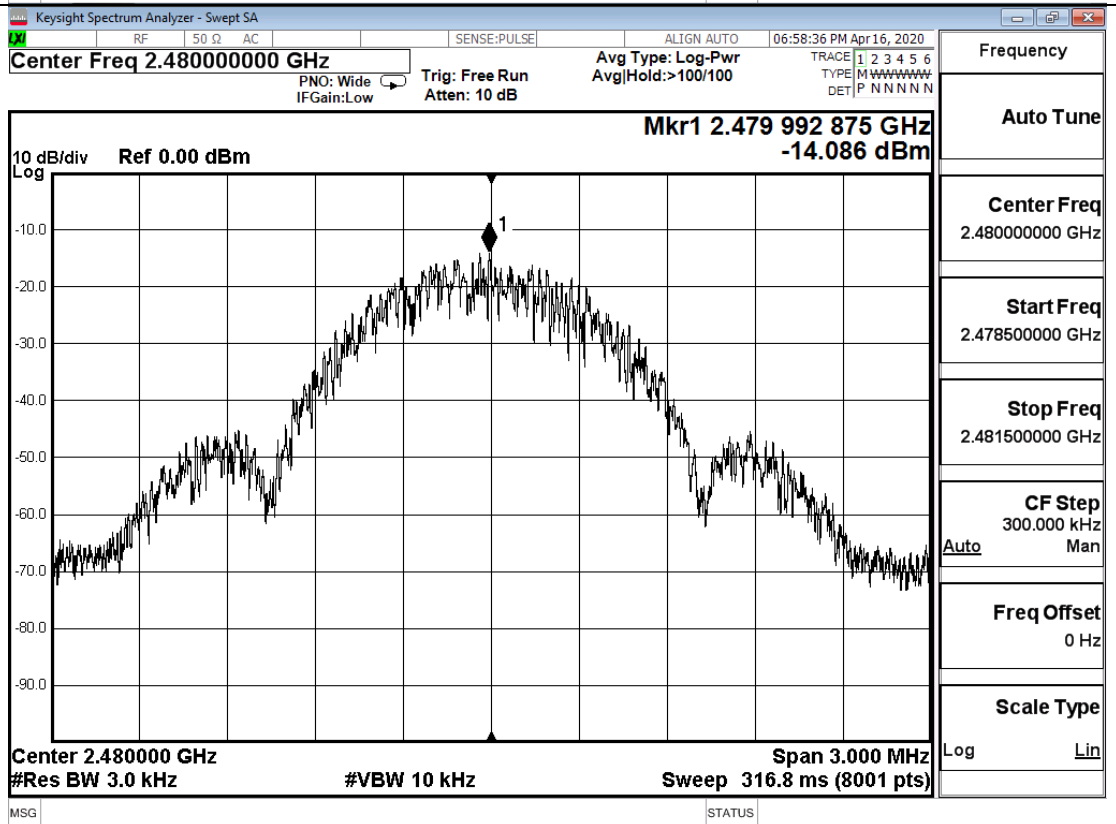
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.977	8	PASS
BT LE	MCH	-14.073	8	PASS
BT LE	HCH	-14.086	8	PASS



MCH

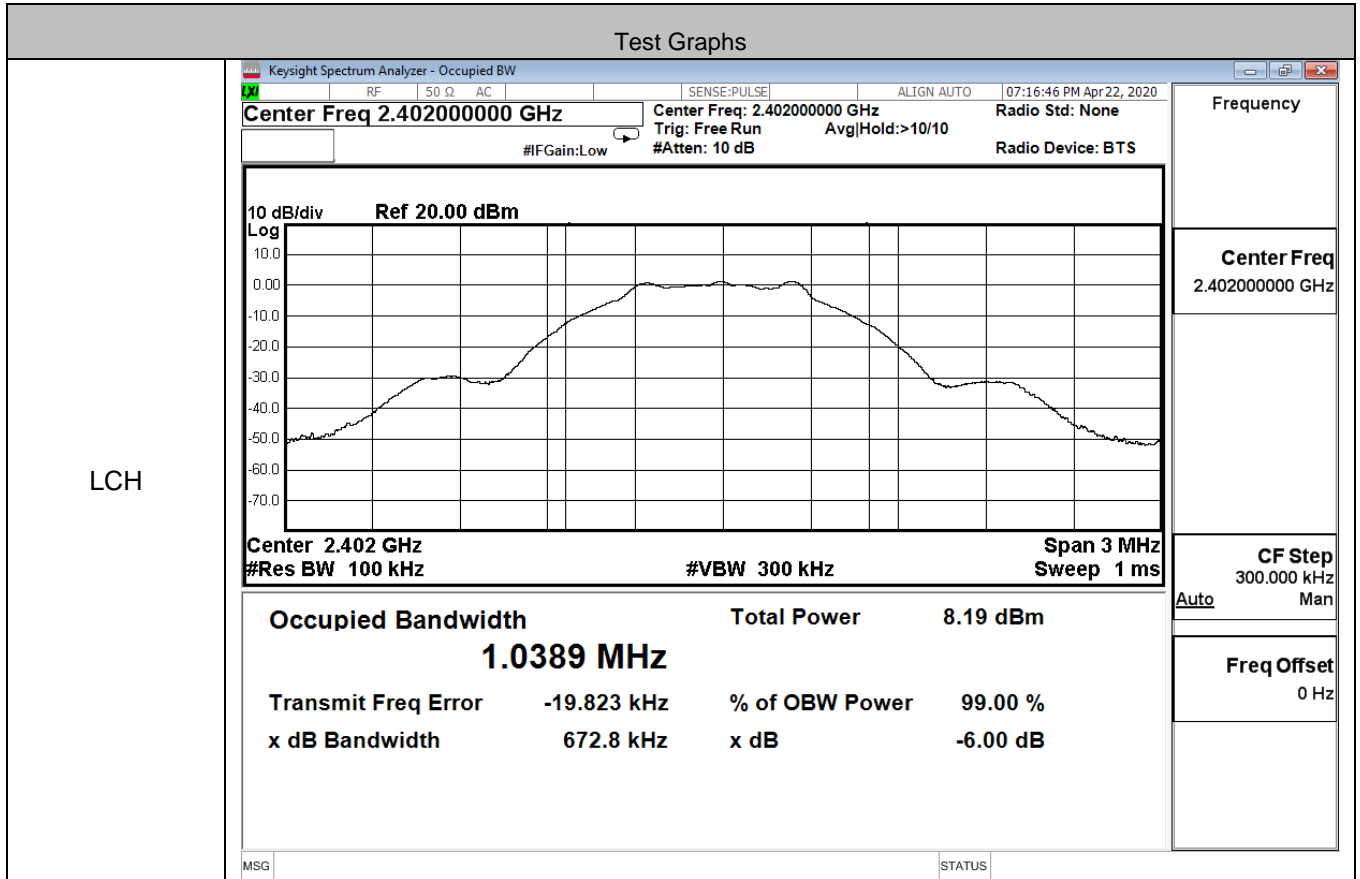


HCH

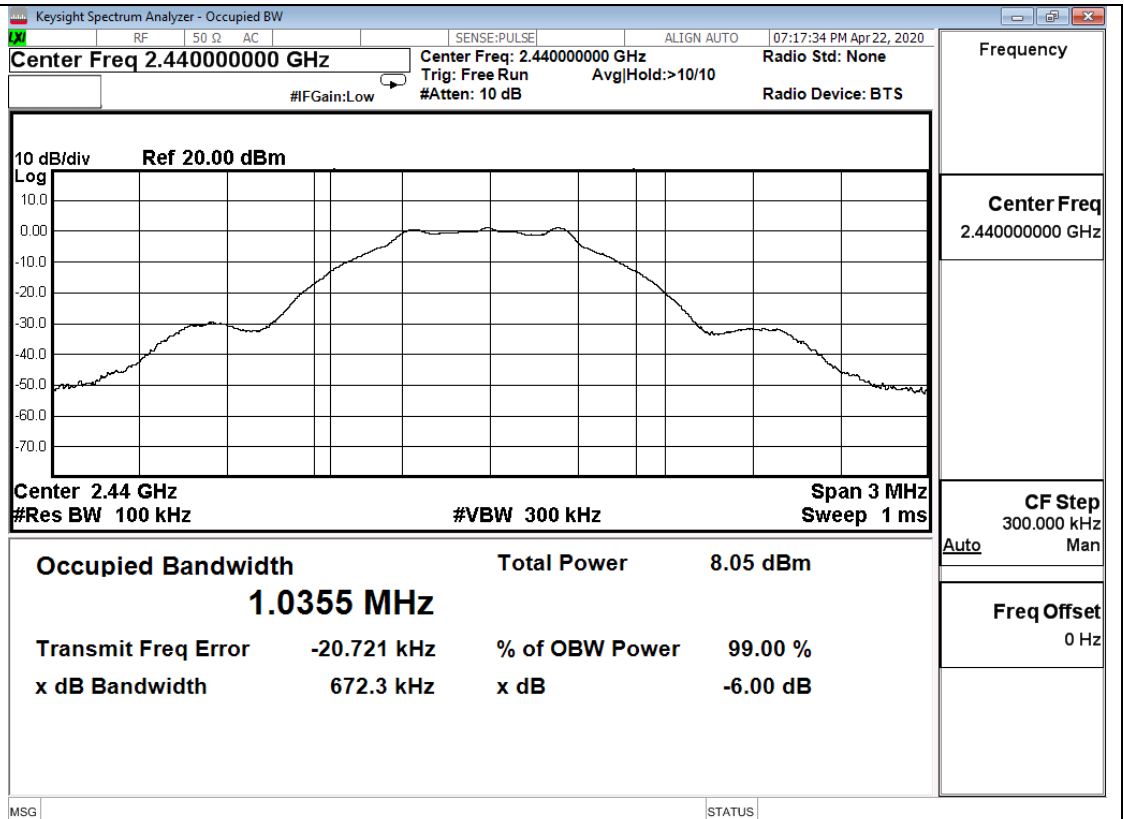


**B.4 6dB Bandwidth**

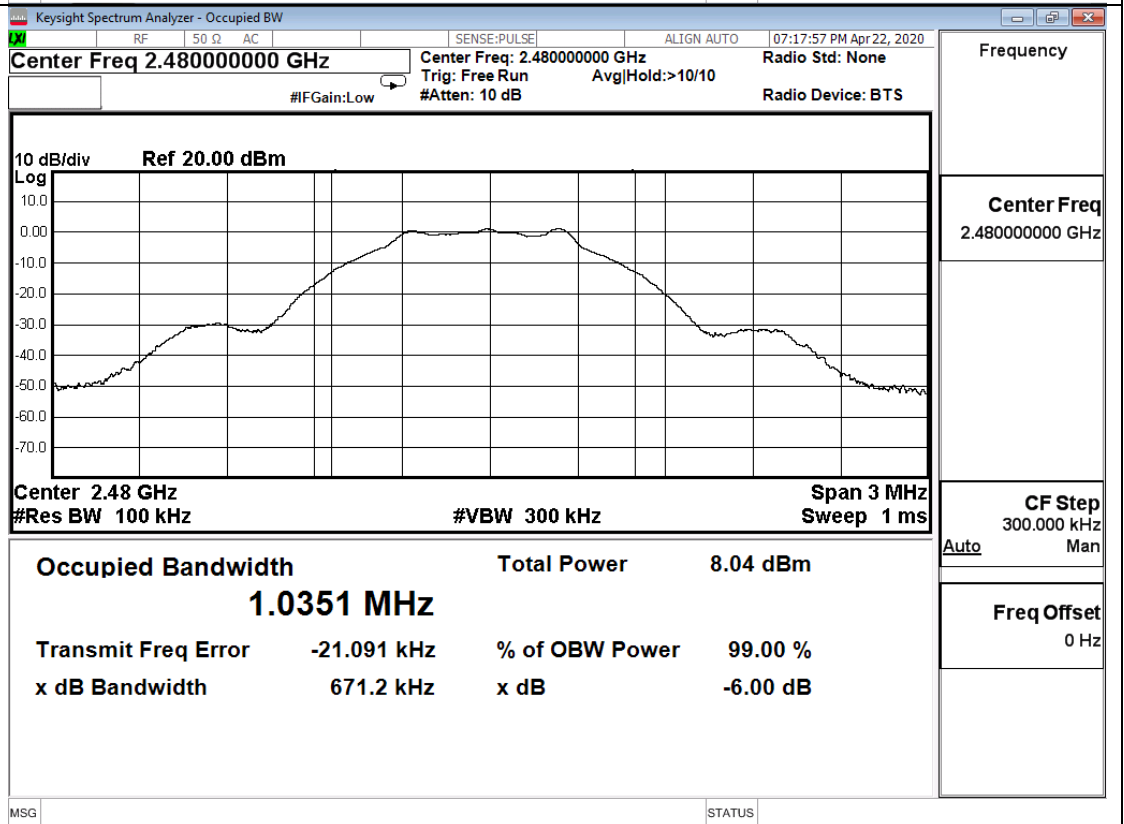
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6728	≥0.5	PASS
BT LE	MCH	0.6723	≥0.5	PASS
BT LE	HCH	0.6712	≥0.5	PASS



MCH



HCH



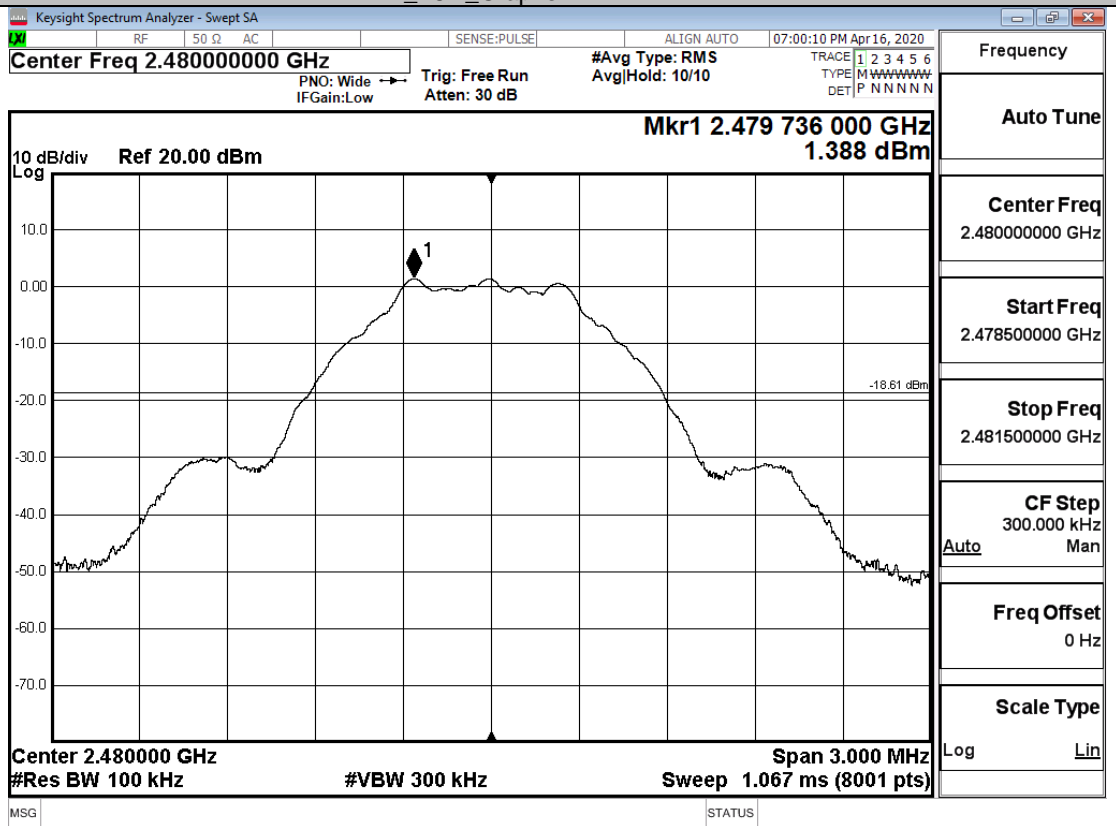


## B.5 RF Conducted Spurious Emissions

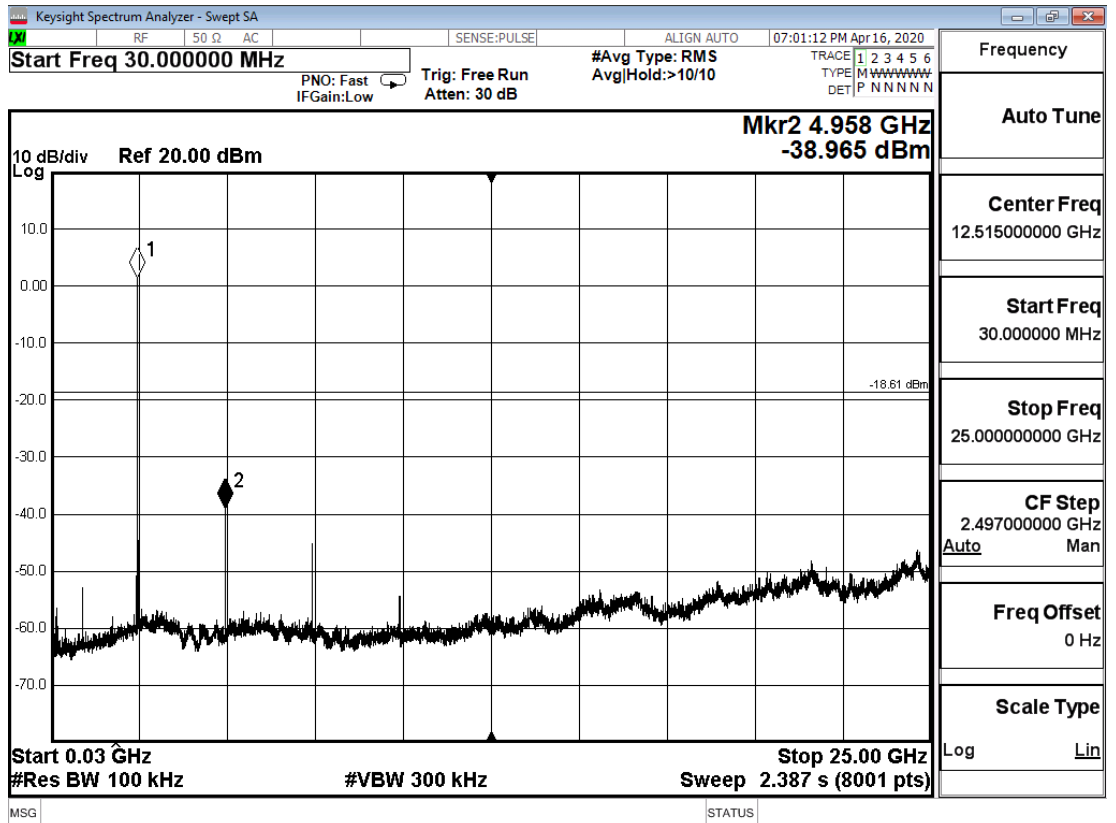
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.388	-38.965	-18.61	PASS
BT LE	MCH	1.278	-39.235	-18.72	PASS
BT LE	HCH	1.411	-40.541	-18.59	PASS

BT LE\_LCH\_Graphs

Pref/BT LE/LCH

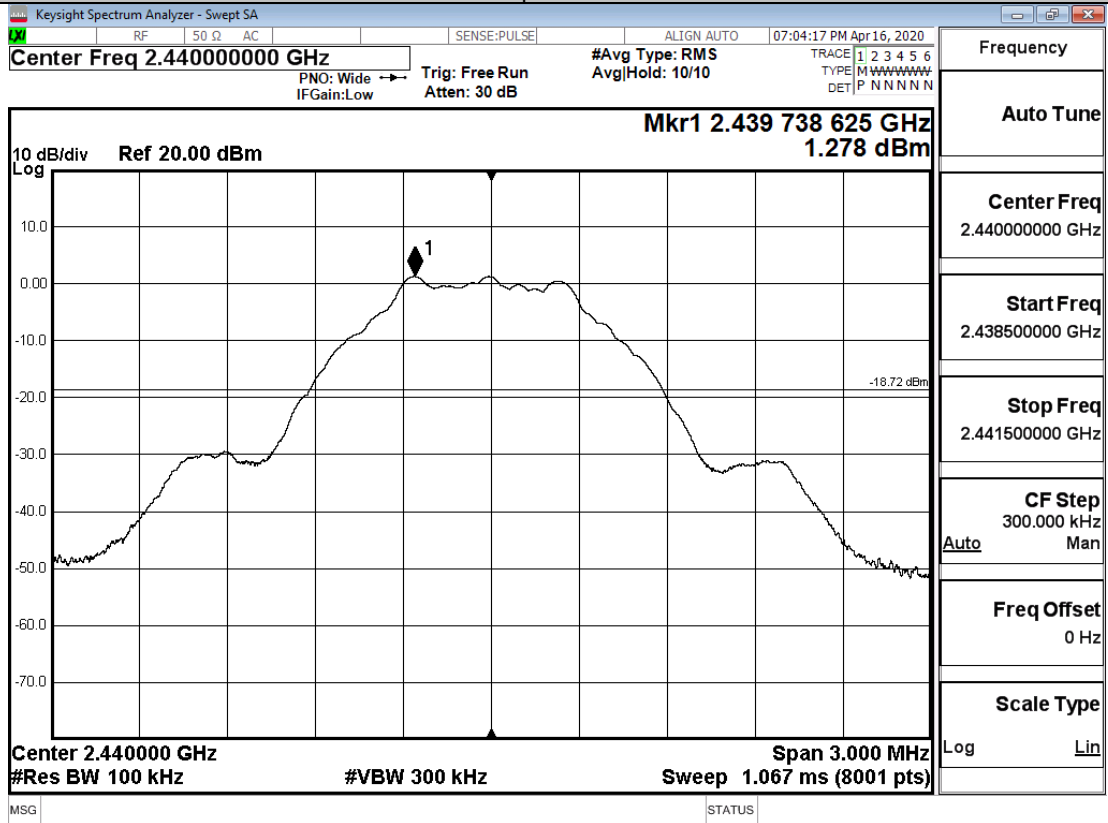


Puw/BT LE/LCH

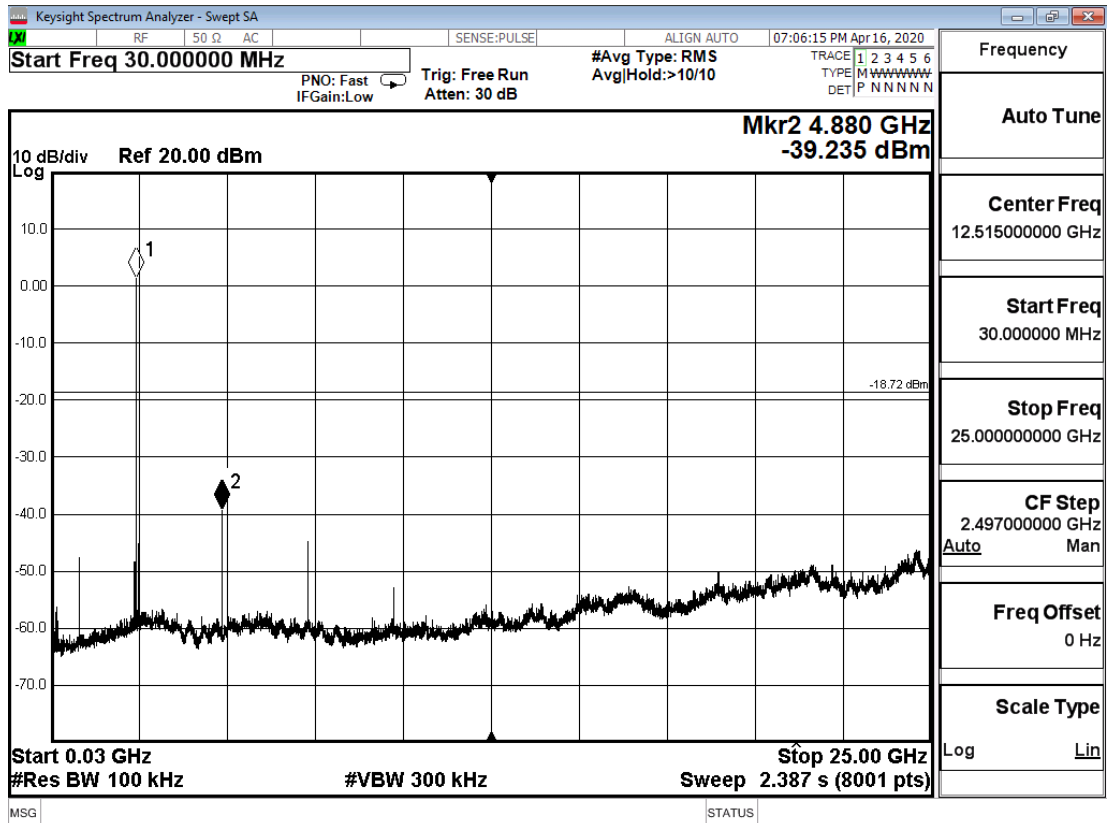


BT LE\_MCH\_Graphs

Pref/BT LE/MCH

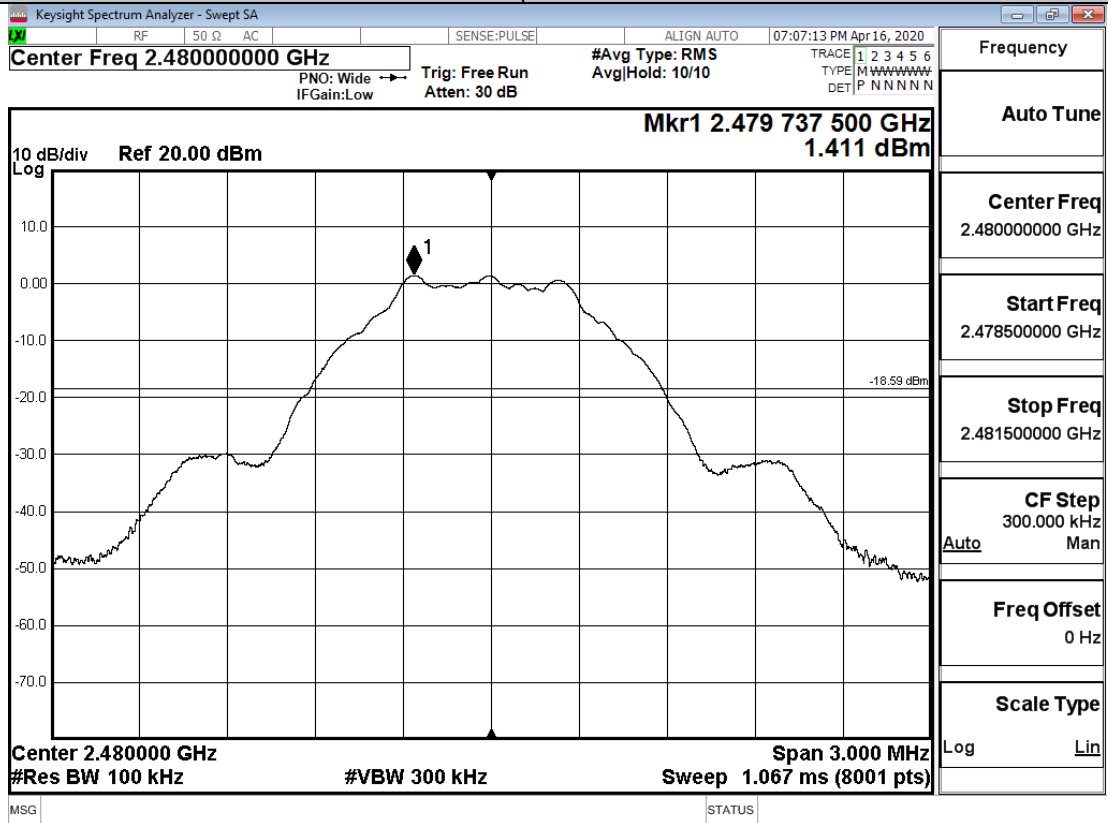


Puw/BT LE/MCH

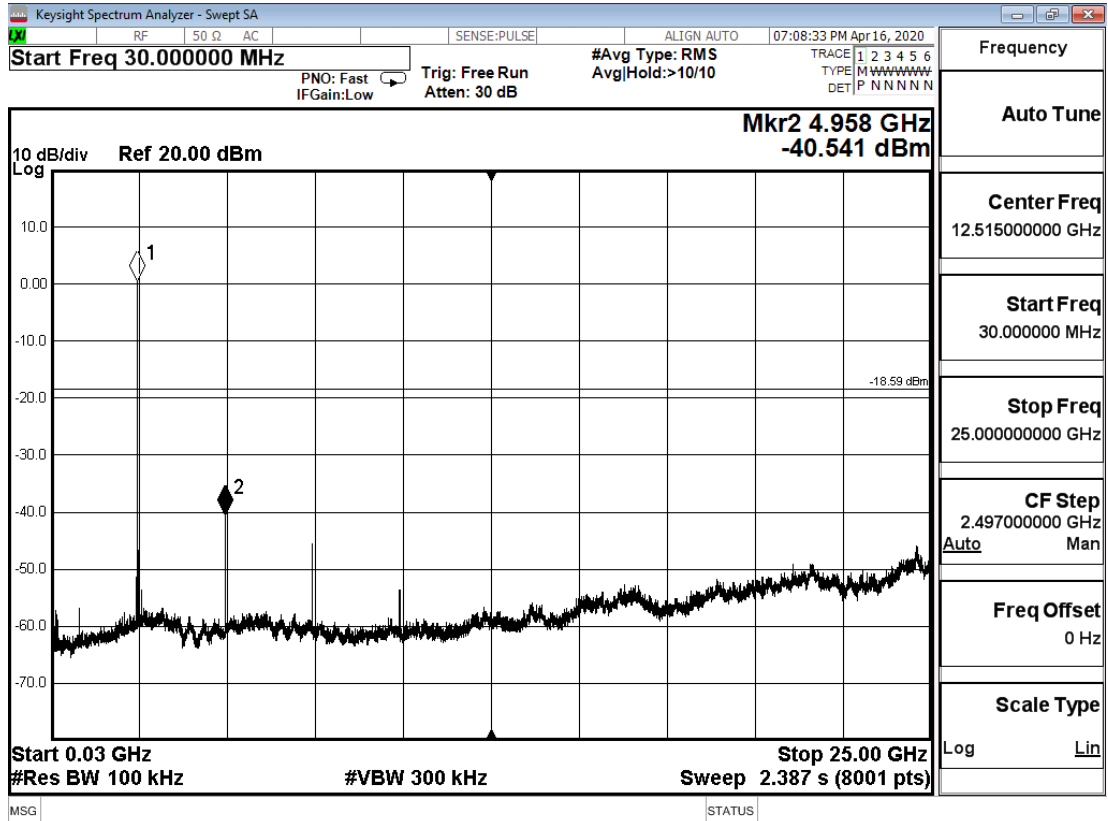


BT LE\_HCH\_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

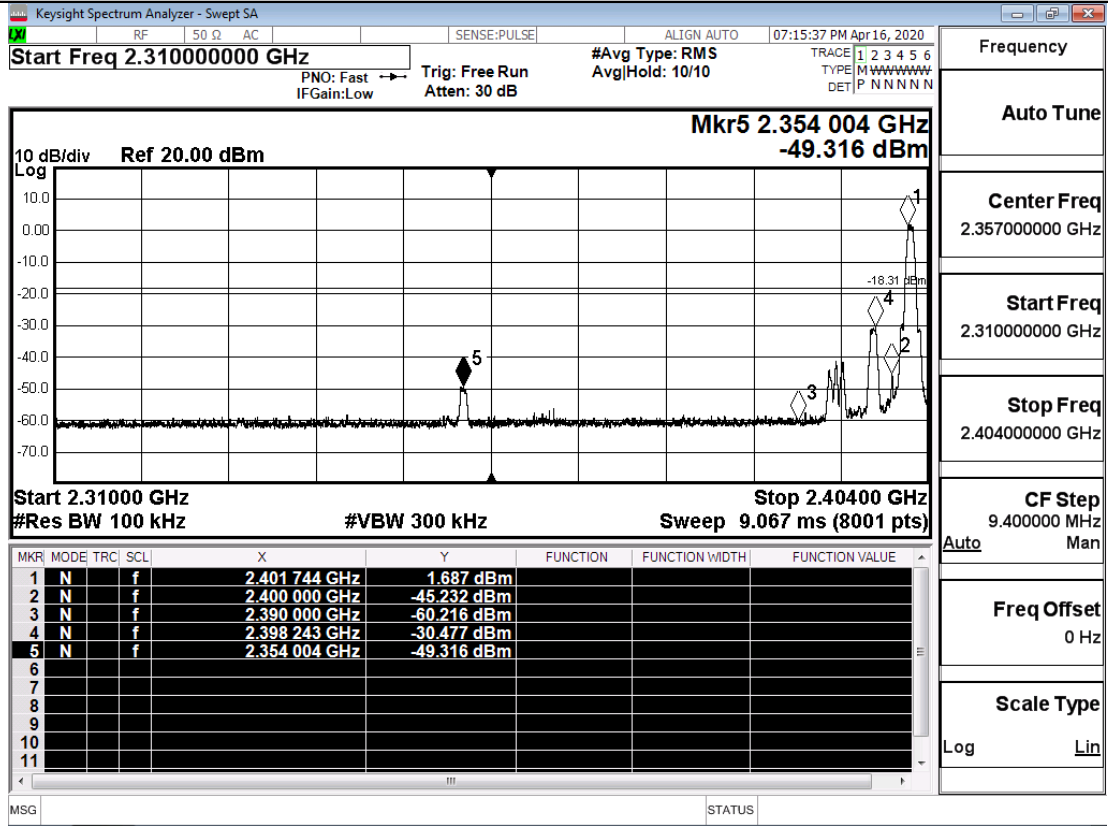


### B.6 Band-edge for RF Conducted Emissions

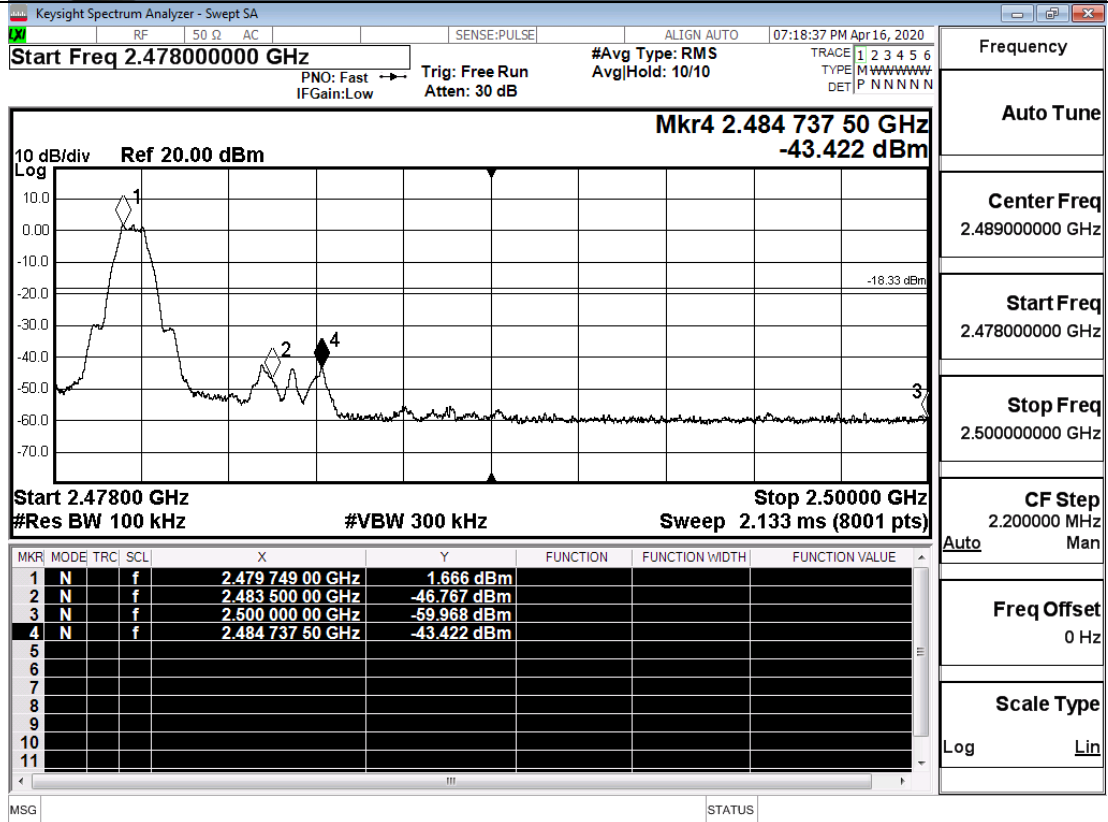
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.687	-30.477	-18.31	PASS
BT LE	HCH	1.666	-43.422	-18.33	PASS

Test Graphs

LCH



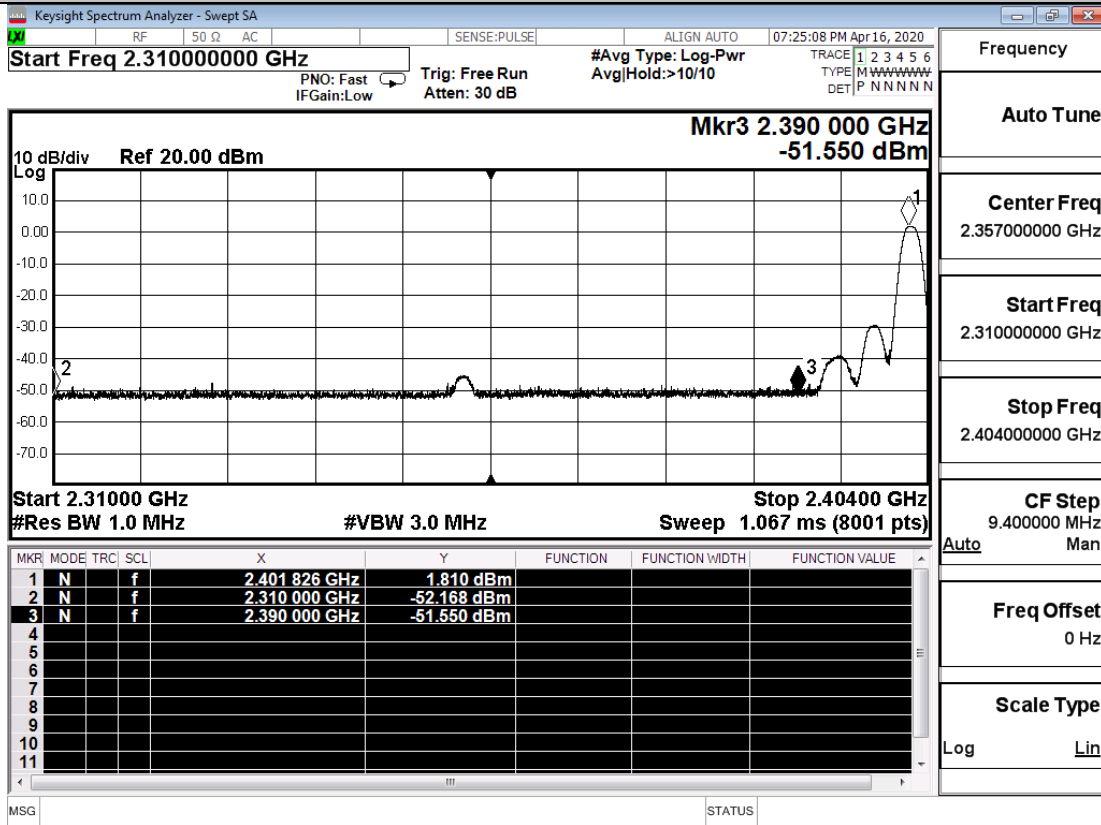
HCH



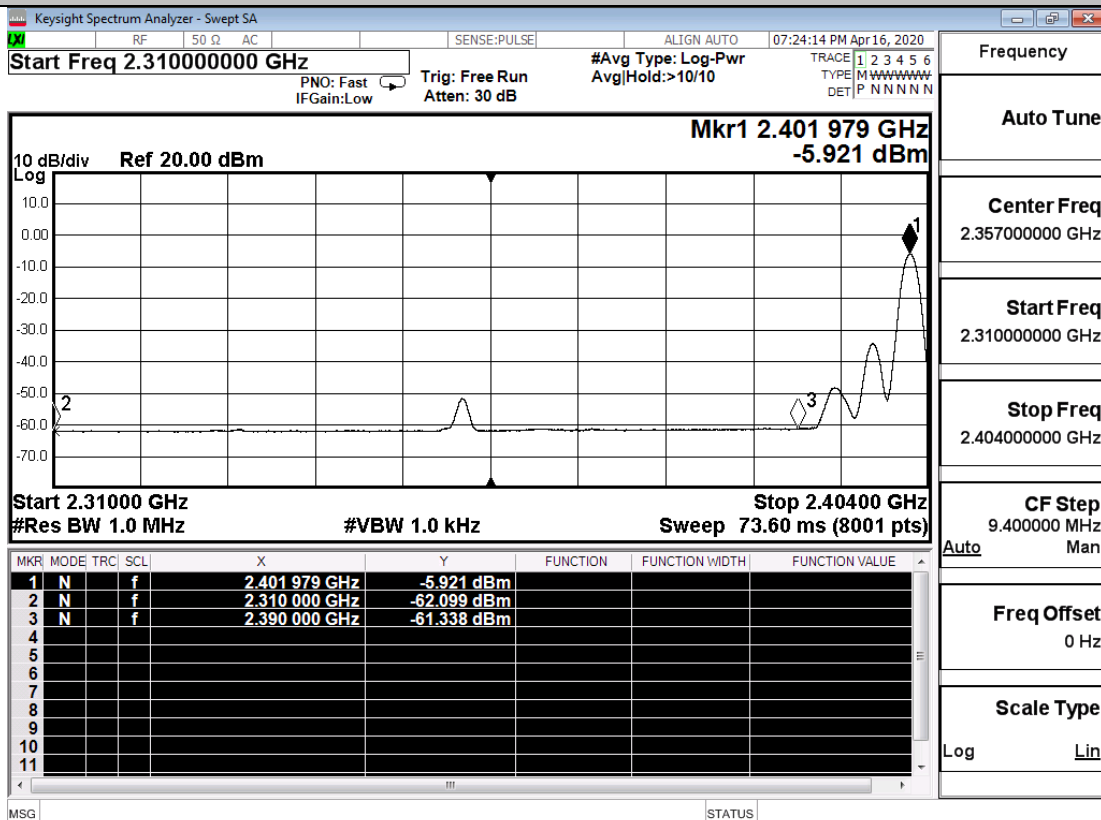
**B.7 Restrict-band band-edge measurements**

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	-52.168	2.00	0	45.06	PEAK	74	PASS
		Ant1	2310.0	-62.099	2.00	0	35.13	AV	54	PASS
		Ant1	2390.0	-51.550	2.00	0	45.68	PEAK	74	PASS
		Ant1	2390.0	-61.338	2.00	0	35.89	AV	54	PASS
	2480	Ant1	2483.5	-39.787	2.00	0	57.44	PEAK	74	PASS
		Ant1	2483.5	-49.446	2.00	0	47.78	AV	54	PASS
		Ant1	2500.0	-50.419	2.00	0	46.81	PEAK	74	PASS
		Ant1	2500.0	-61.366	2.00	0	35.86	AV	54	PASS

Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_PEAK

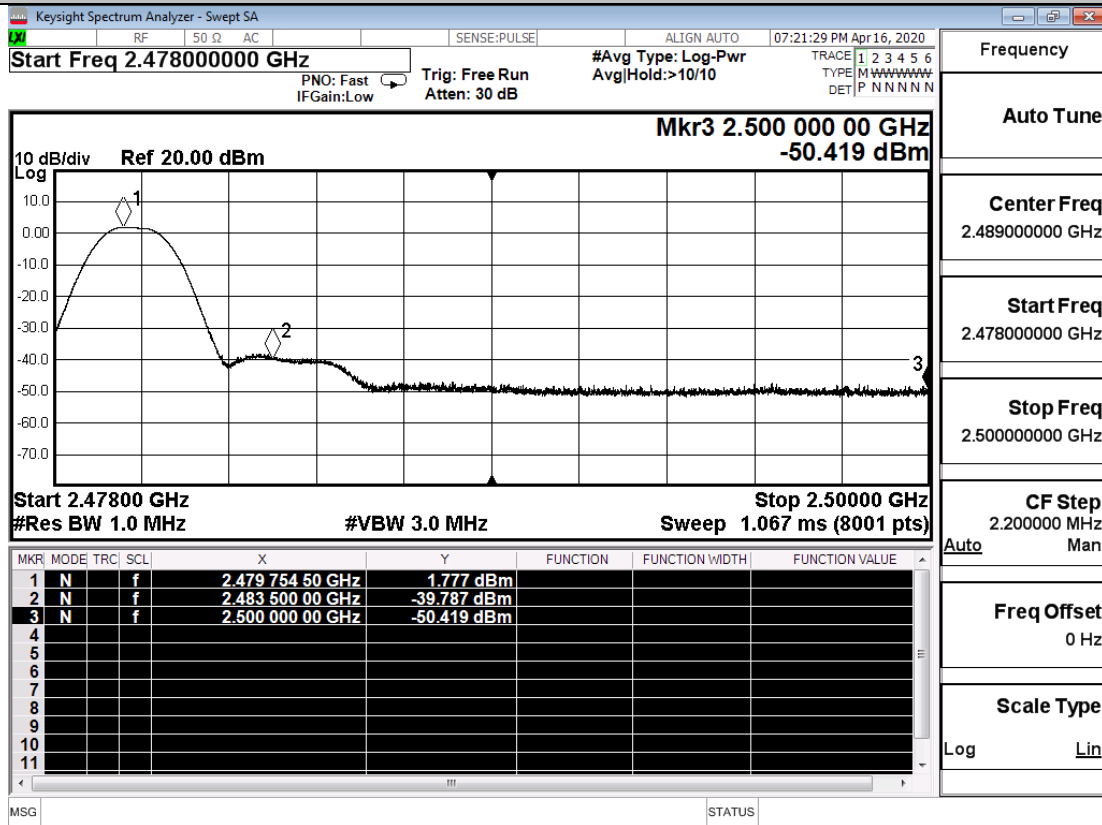


Restrict-band band-edge measurements\_BT LE\_2402\_Ant1\_AV





Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_PEAK



Restrict-band band-edge measurements\_BT LE\_2480\_Ant1\_AV

