

Appendix B

RF Test Data for BT V4.2 (BT LE) (Conducted Measurement)

Product Name: Wireless Charger Car Kit

Trade Mark: N/A

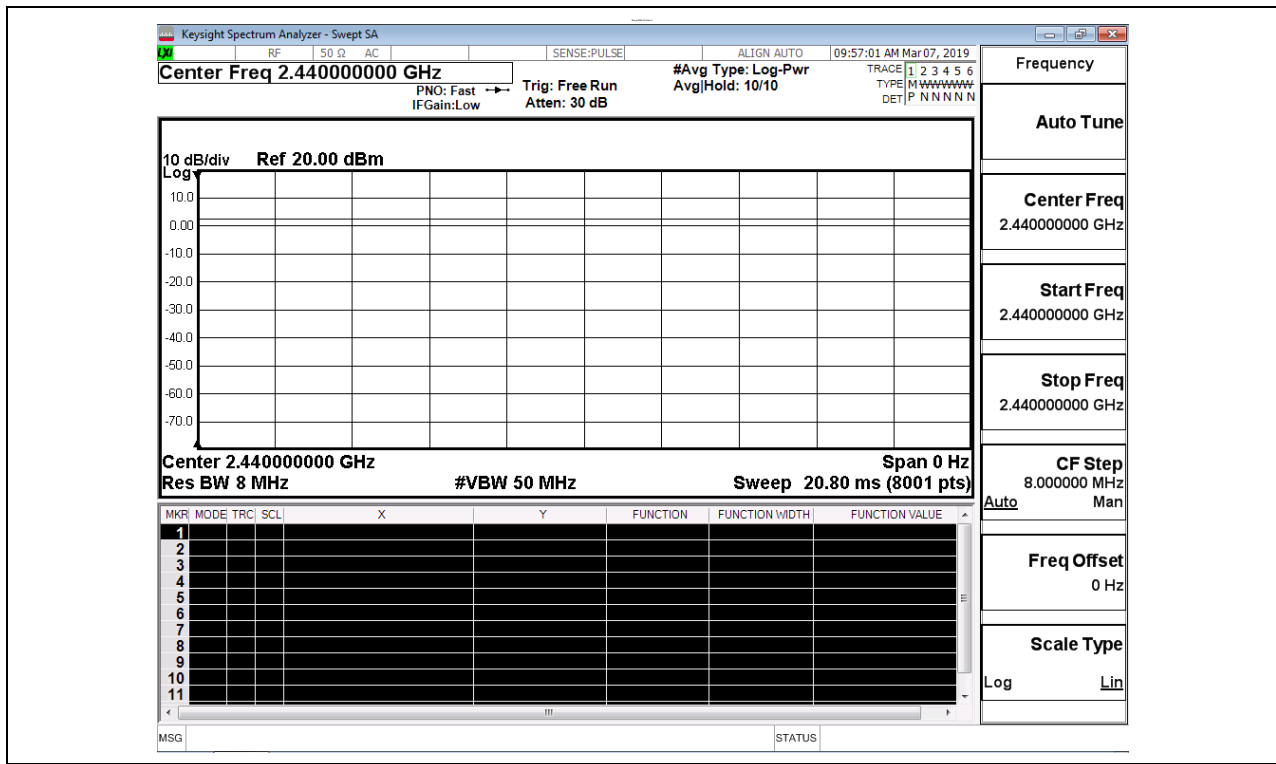
Test Model: FMT1200BT

Environmental Conditions

Temperature:	23.4 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Shane Wu
Supervised by:	Jayden.Zhuo

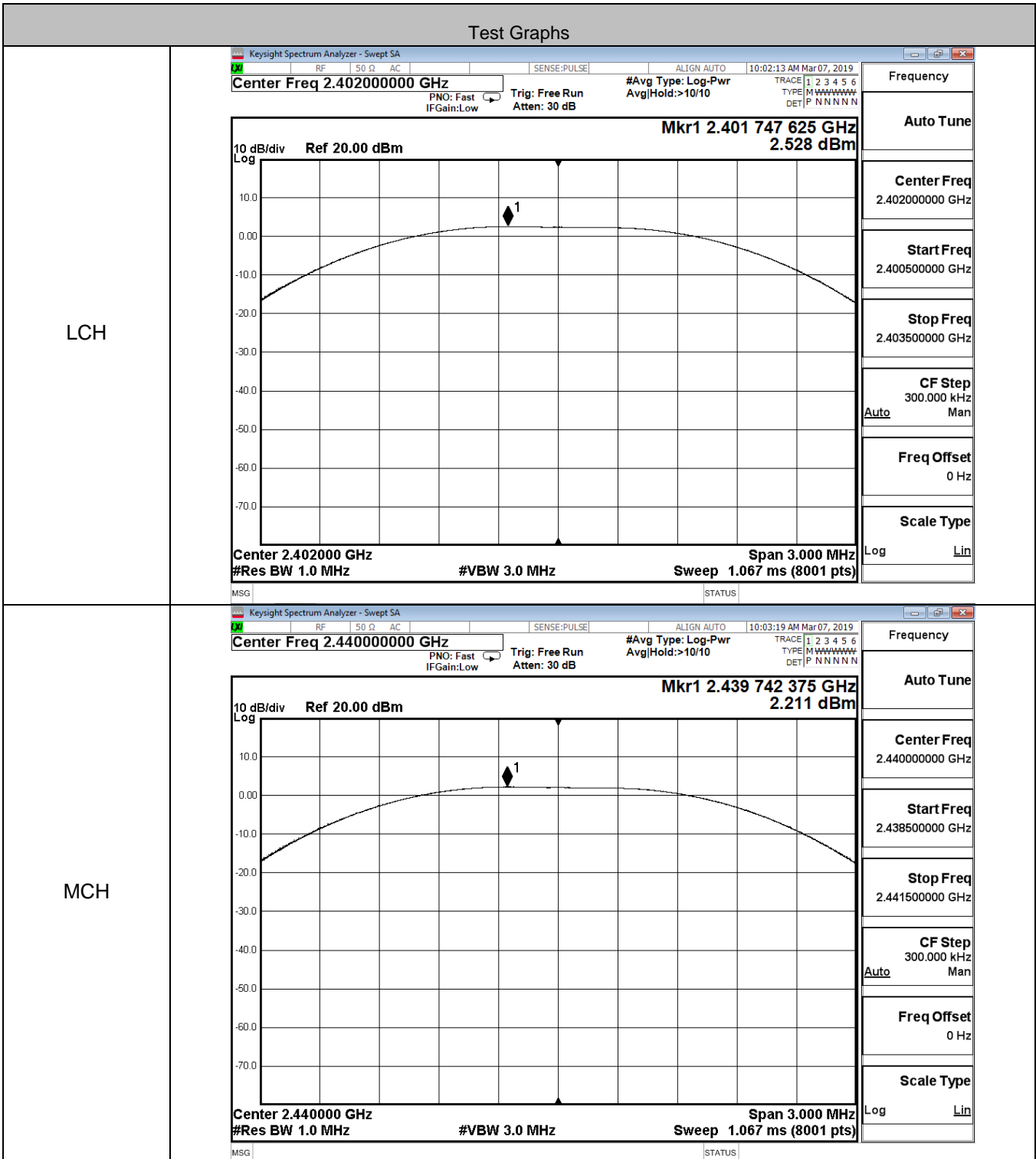
B.1 Duty Cycle

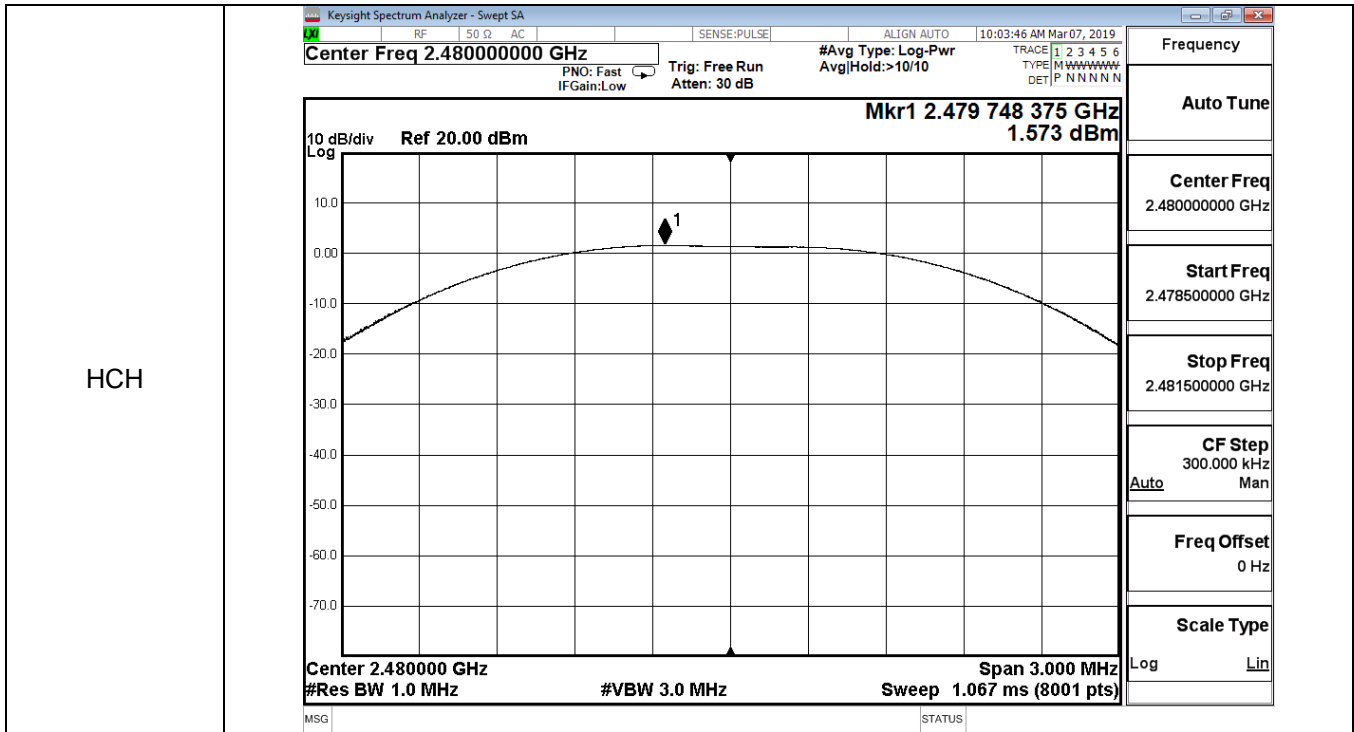
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



B.2 Maximum Conducted Peak Output Power

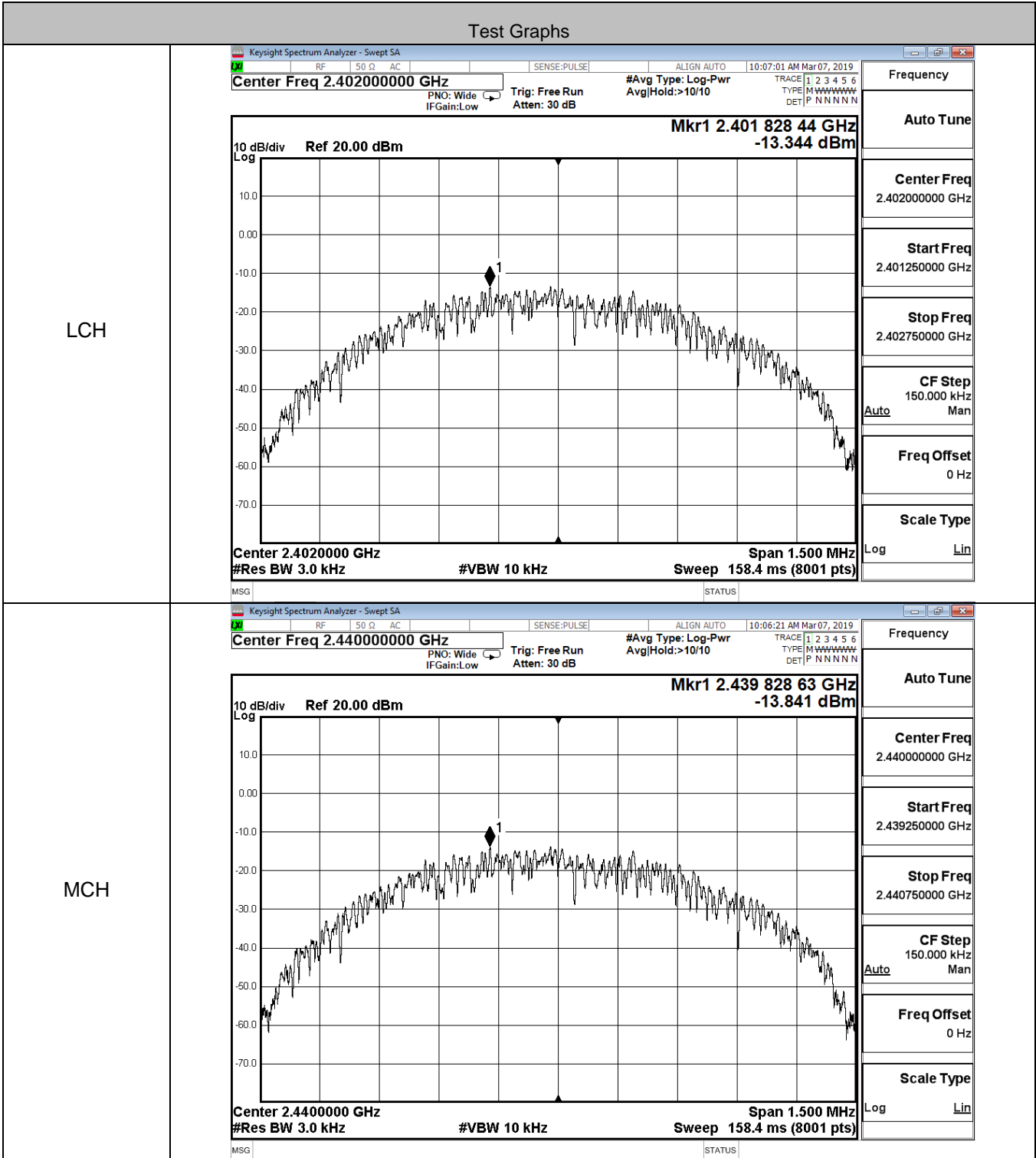
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.528	30	PASS
BT LE	MCH	2.211	30	PASS
BT LE	HCH	1.573	30	PASS



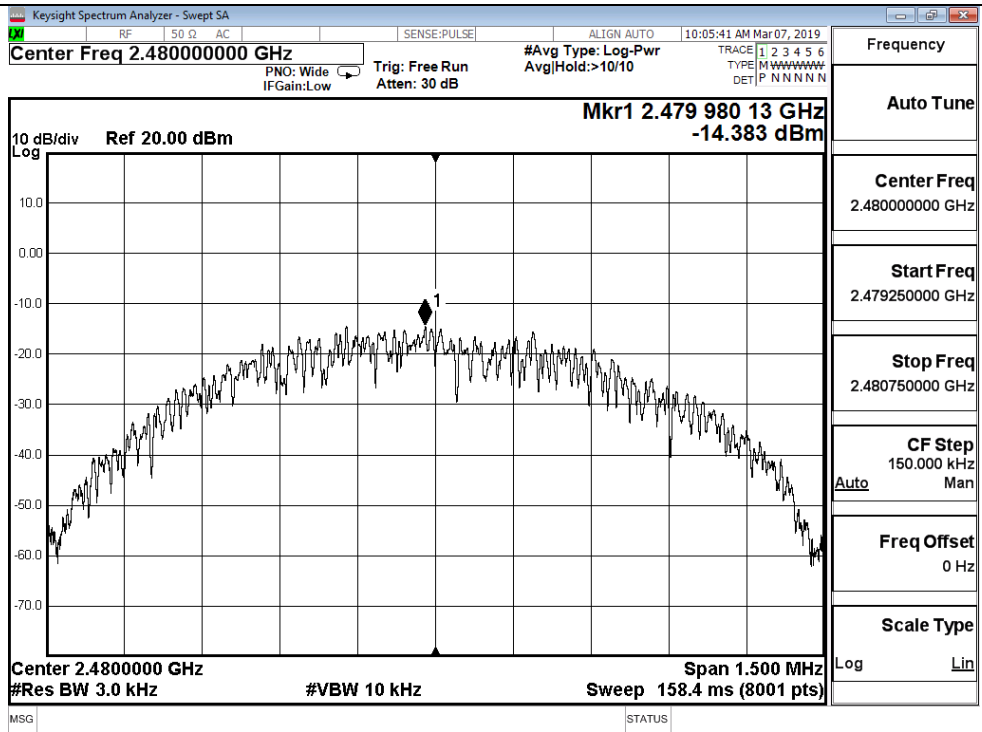


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.344	8	PASS
BT LE	MCH	-13.841	8	PASS
BT LE	HCH	-14.383	8	PASS



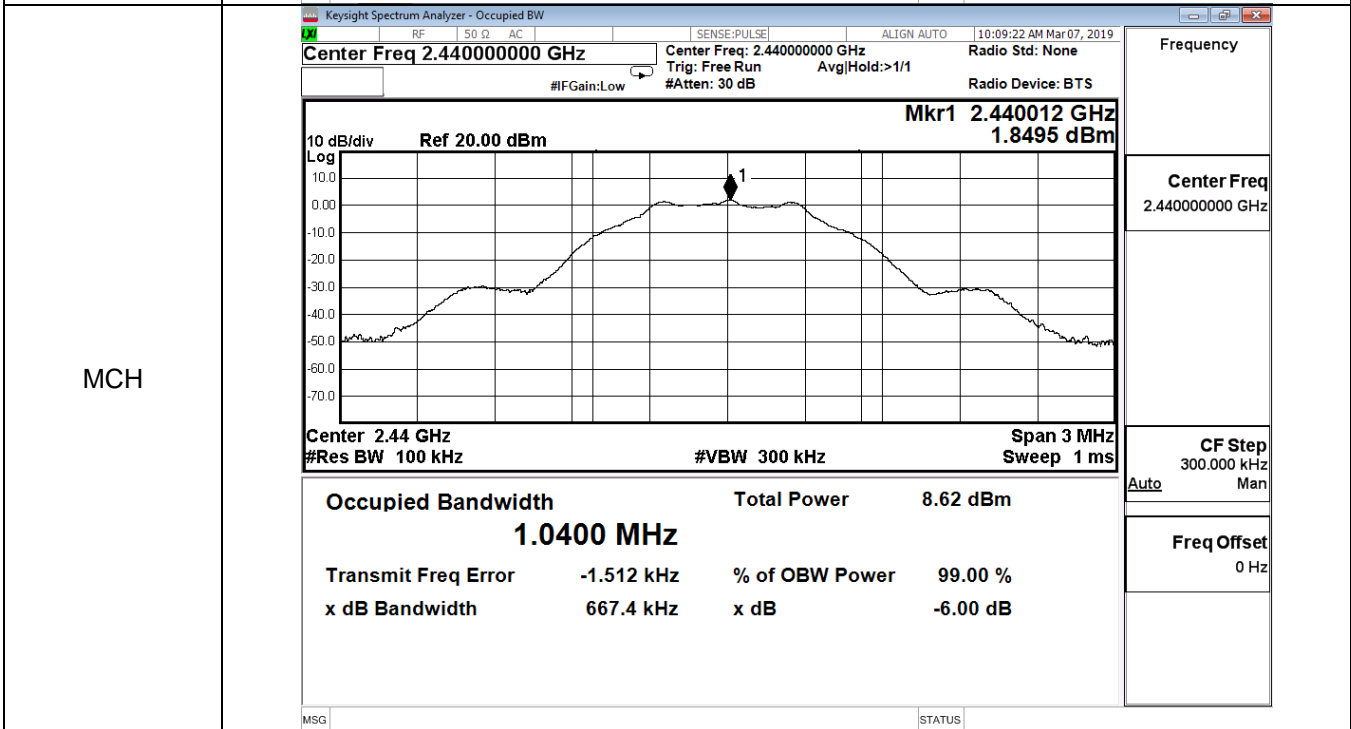
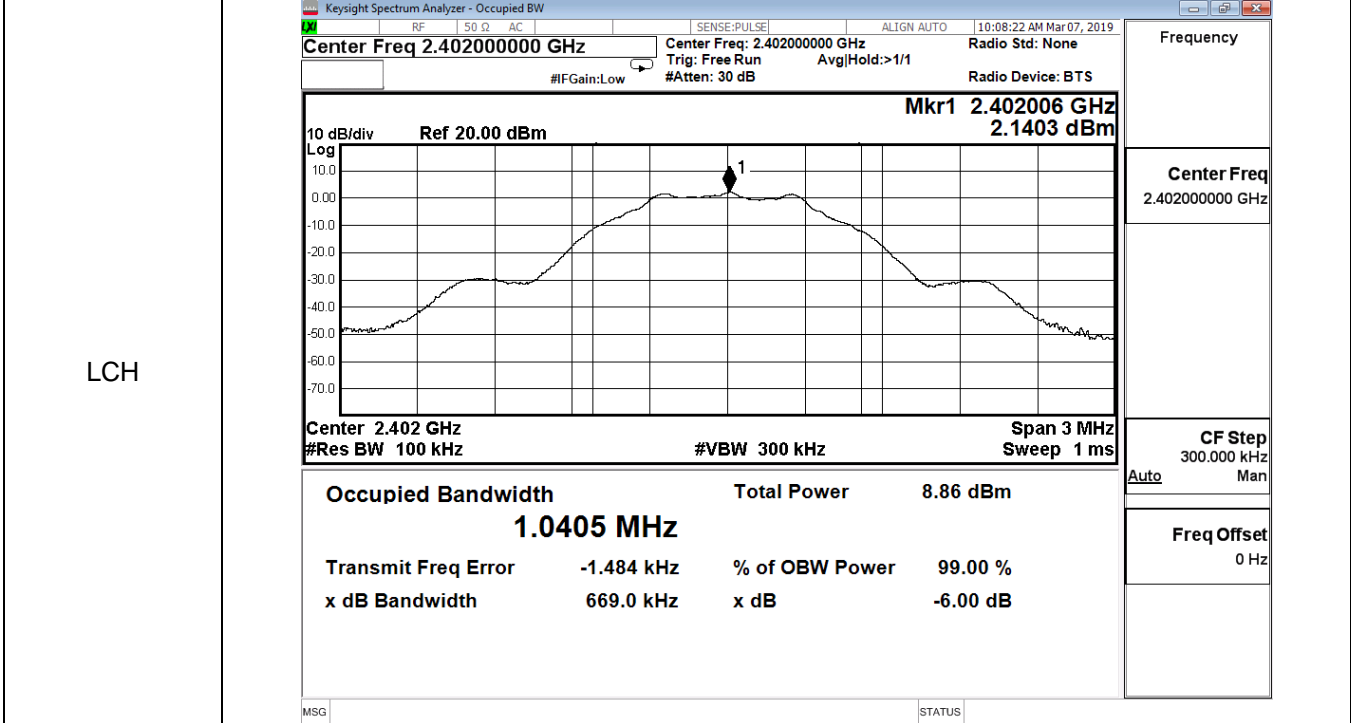
HCH



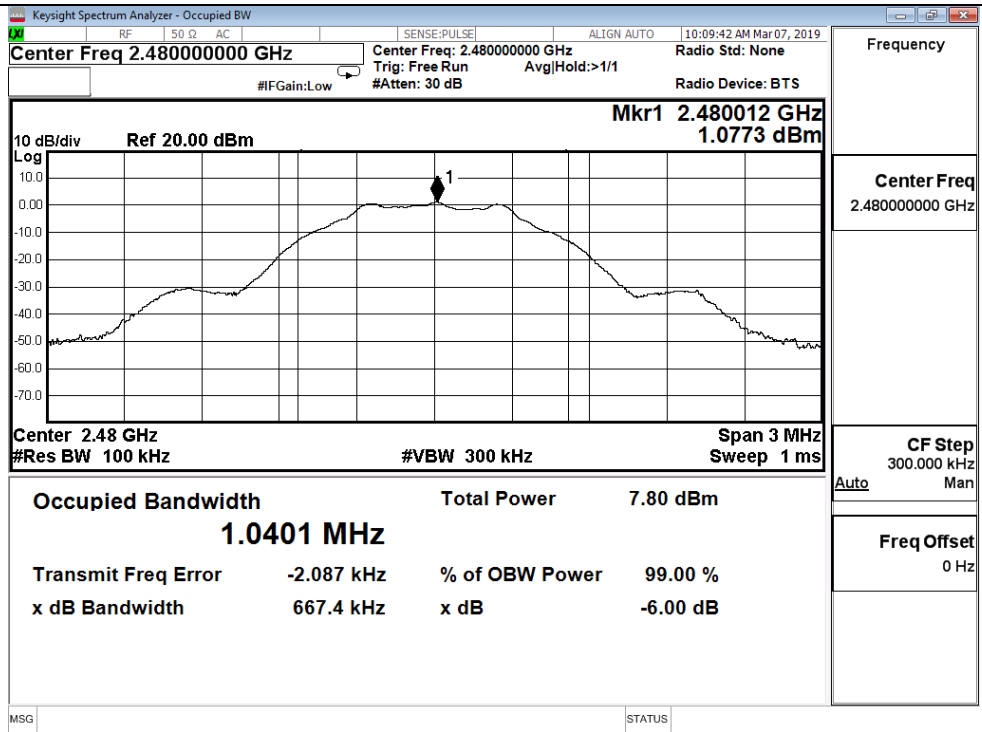
B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6690	≥0.5	PASS
BT LE	MCH	0.6674	≥0.5	PASS
BT LE	HCH	0.6674	≥0.5	PASS

Test Graphs

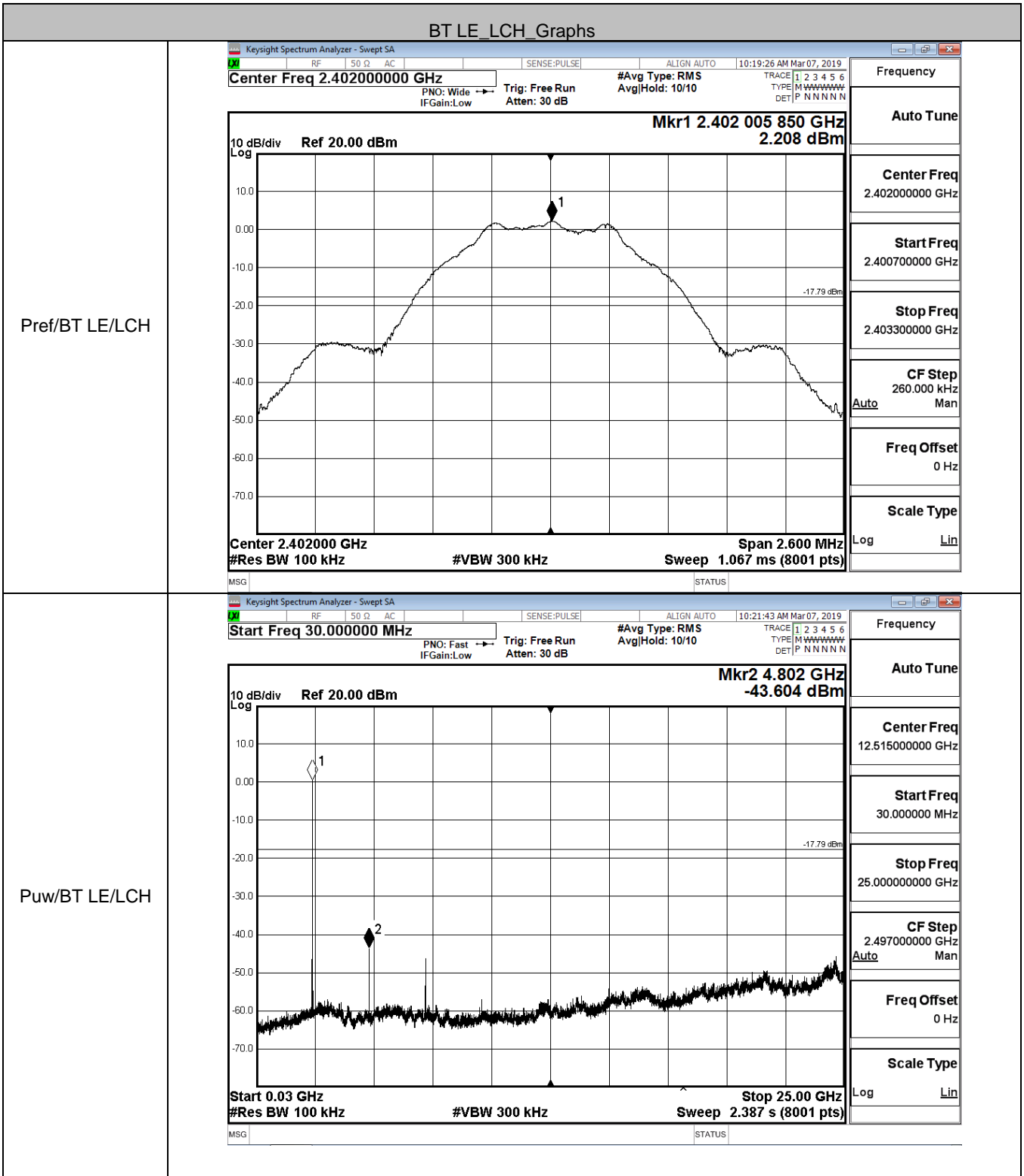


HCH



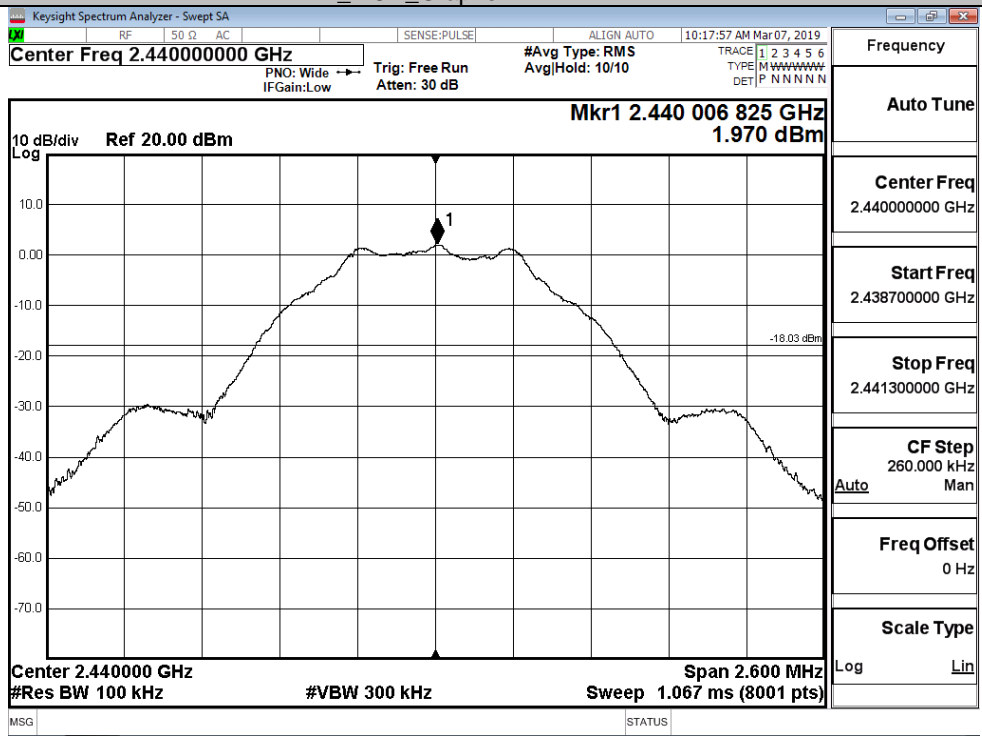
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.208	-43.604	-17.792	PASS
BT LE	MCH	1.970	-46.618	-18.030	PASS
BT LE	HCH	1.073	-49.939	-18.927	PASS

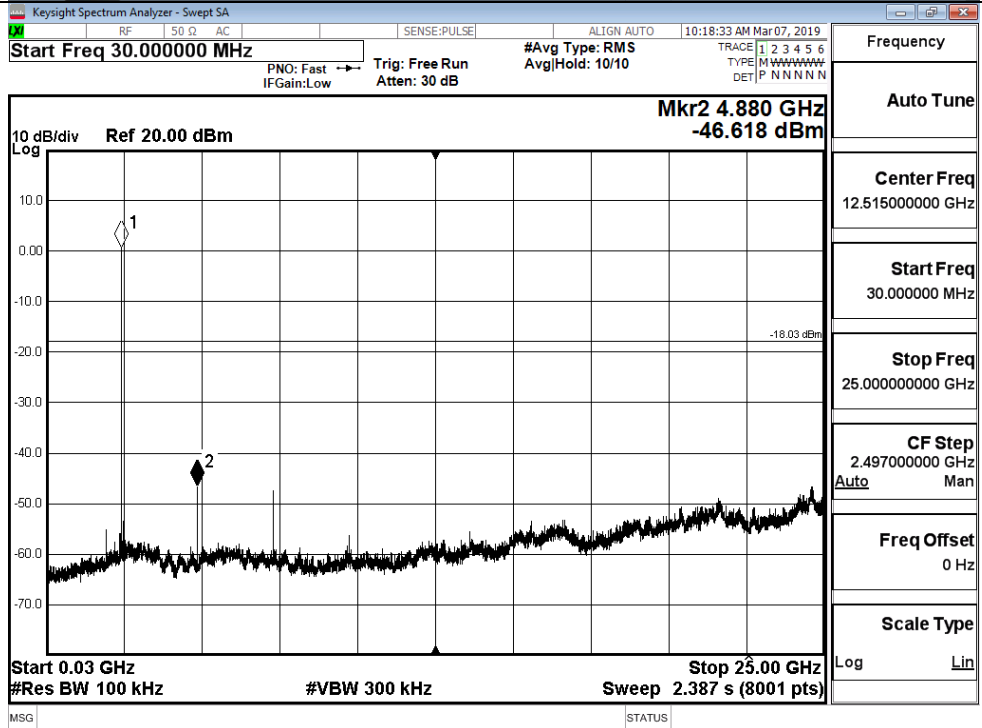


BT LE_MCH_Graphs

Pref/BT LE/MCH

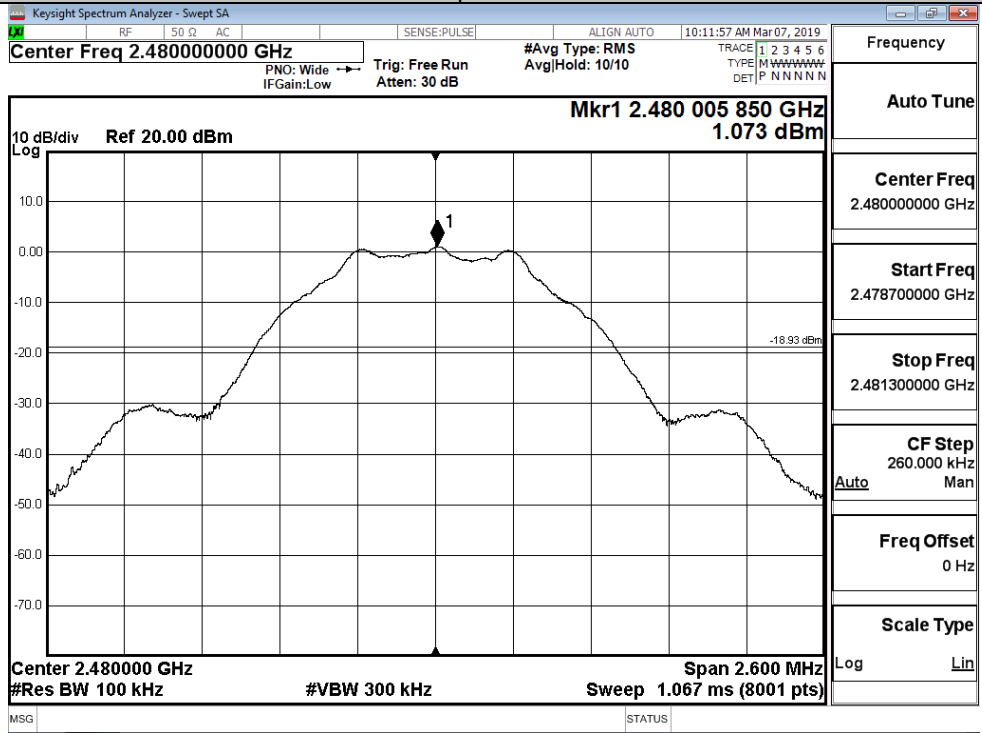


Puw/BT LE/MCH

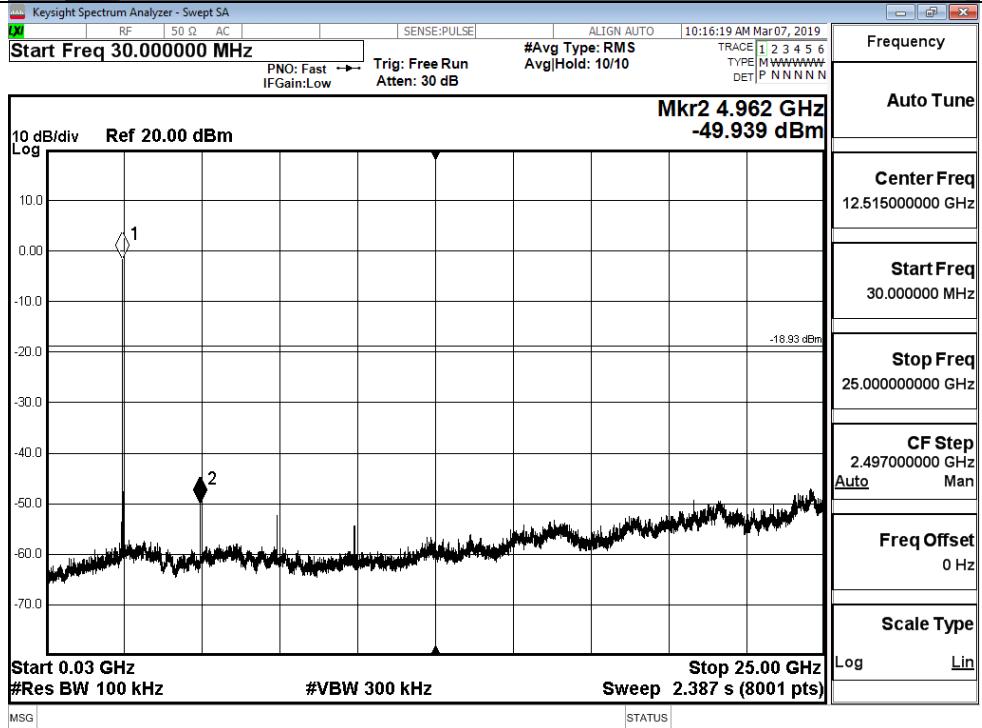


BT LE_HCH_Graphs

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	2.124	-35.171	-17.876	PASS
BT LE	HCH	1.650	-49.417	-18.350	PASS

Test Graphs

LCH

Frequency	Auto Tune
Center Freq	2.357000000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.404000000 GHz
CF Step	9.400000 MHz
Freq Offset	0 Hz
Scale Type	Log

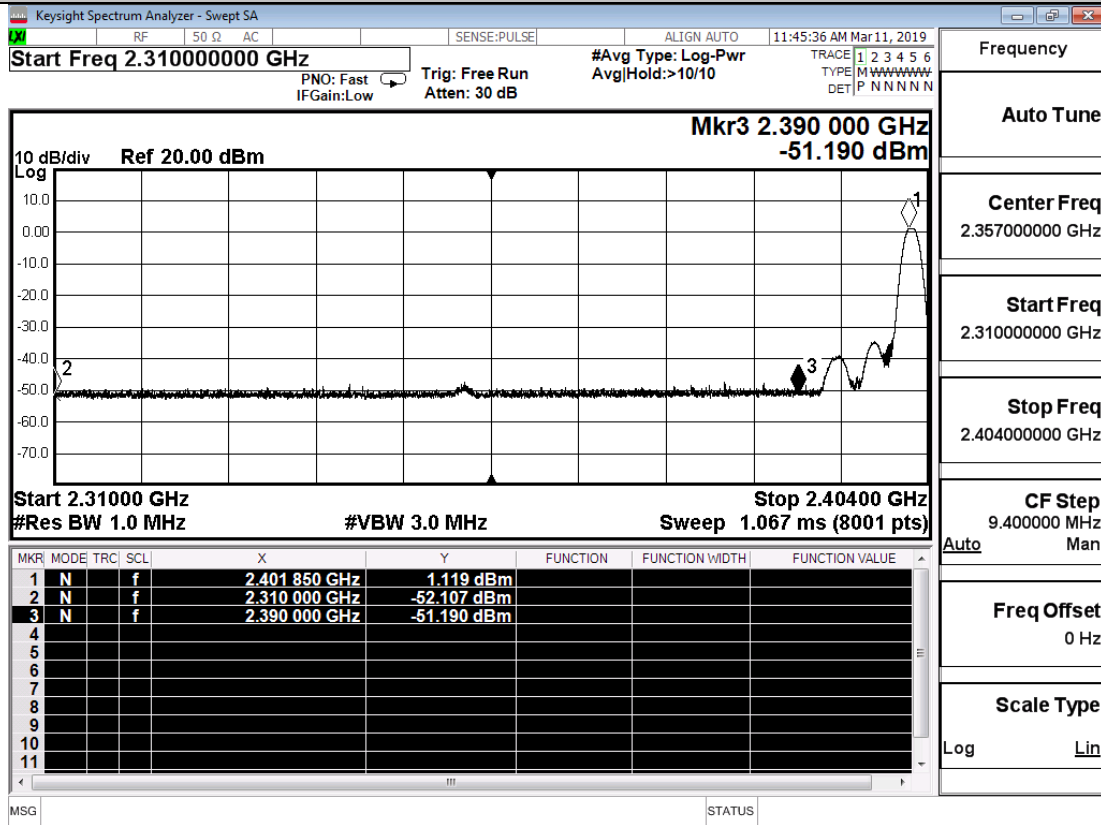
HCH

Frequency	Auto Tune
Center Freq	2.489000000 GHz
Start Freq	2.478000000 GHz
Stop Freq	2.500000000 GHz
CF Step	2.200000 MHz
Freq Offset	0 Hz
Scale Type	Log

B.7 Restrict-band band-edge measurements

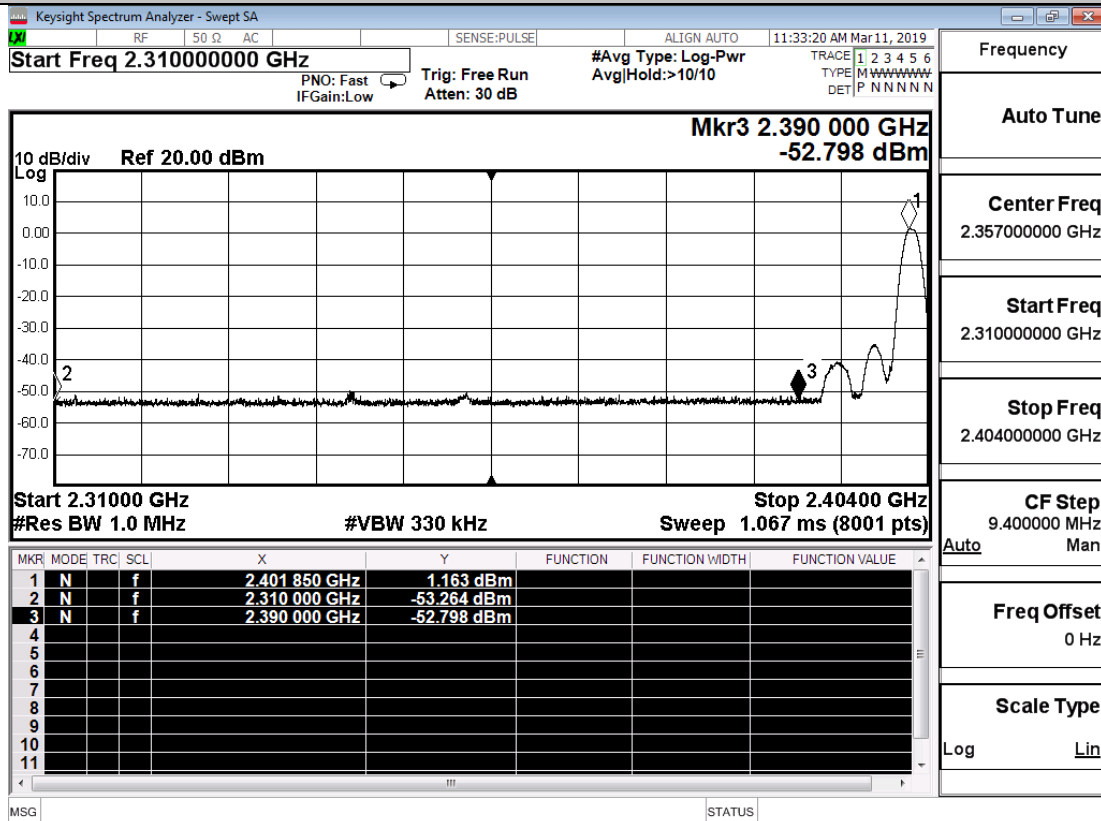
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdi
BT LE	2402	Ant1	2310.0	-52.107	2.0	0	45.153	PEAK	74	PASS
		Ant1	2310.0	-53.264	2.0	0	43.996	AV	54	PASS
		Ant1	2390.0	-51.190	2.0	0	46.070	PEAK	74	PASS
		Ant1	2390.0	-52.798	2.0	0	44.462	AV	54	PASS
	2480	Ant1	2483.5	-41.769	2.0	0	55.491	PEAK	74	PASS
		Ant1	2483.5	-43.501	2.0	0	53.759	AV	54	PASS
		Ant1	2500.0	-50.666	2.0	0	46.594	PEAK	74	PASS
		Ant1	2500.0	-54.336	2.0	0	42.924	AV	54	PASS

Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



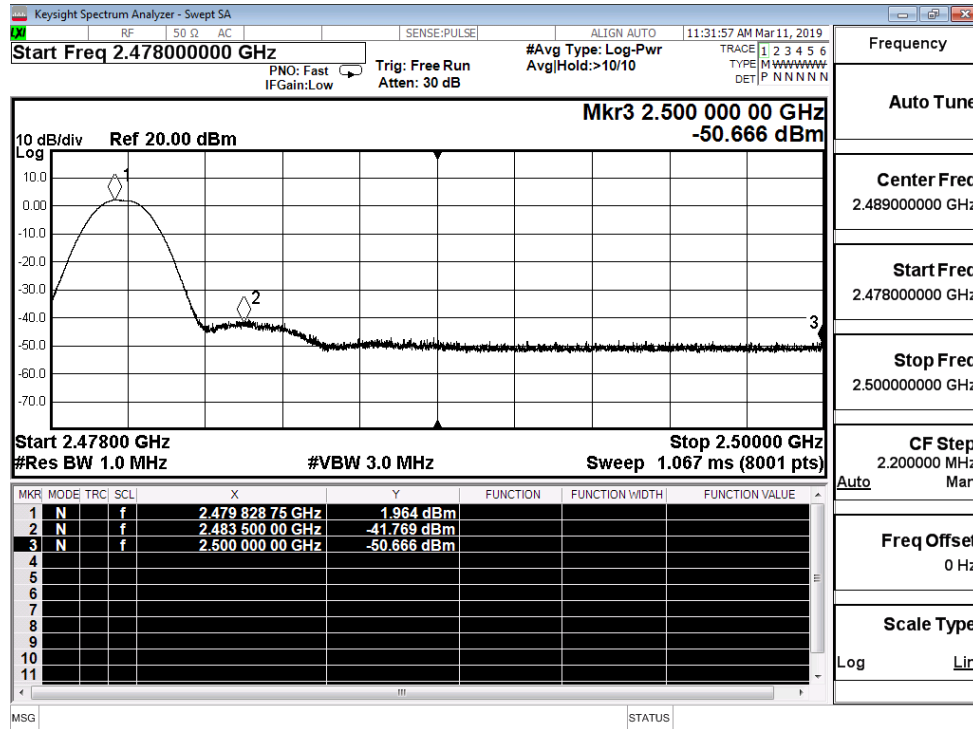
Frequency
Auto Tune
Center Freq 2.357000000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.404000000 GHz
CF Step 9.400000 MHz
Auto
Freq Offset 0 Hz
Scale Type Log Lin

Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Frequency
Auto Tune
Center Freq 2.357000000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.404000000 GHz
CF Step 9.400000 MHz
Auto
Freq Offset 0 Hz
Scale Type Log Lin

Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2480_Ant1_AV

