

Appendix A

RF Test Data for BT LE V5.0(BDR/EDR) (Conducted Measurement)

Product Name: MONSTER BLUETOOTH HEADPHONES

Trade Mark: MONSTER

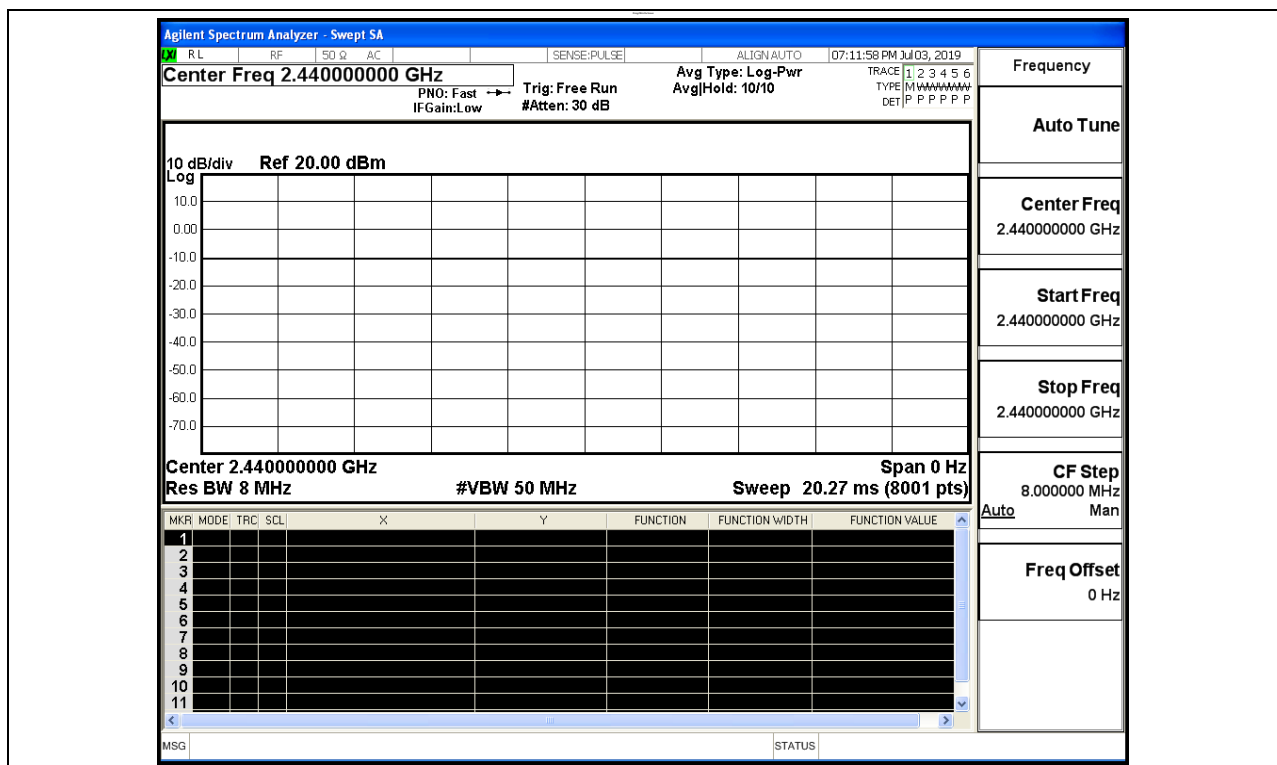
Test Model: 401901

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	LiHuan
Supervised by:	Wang.Chuang

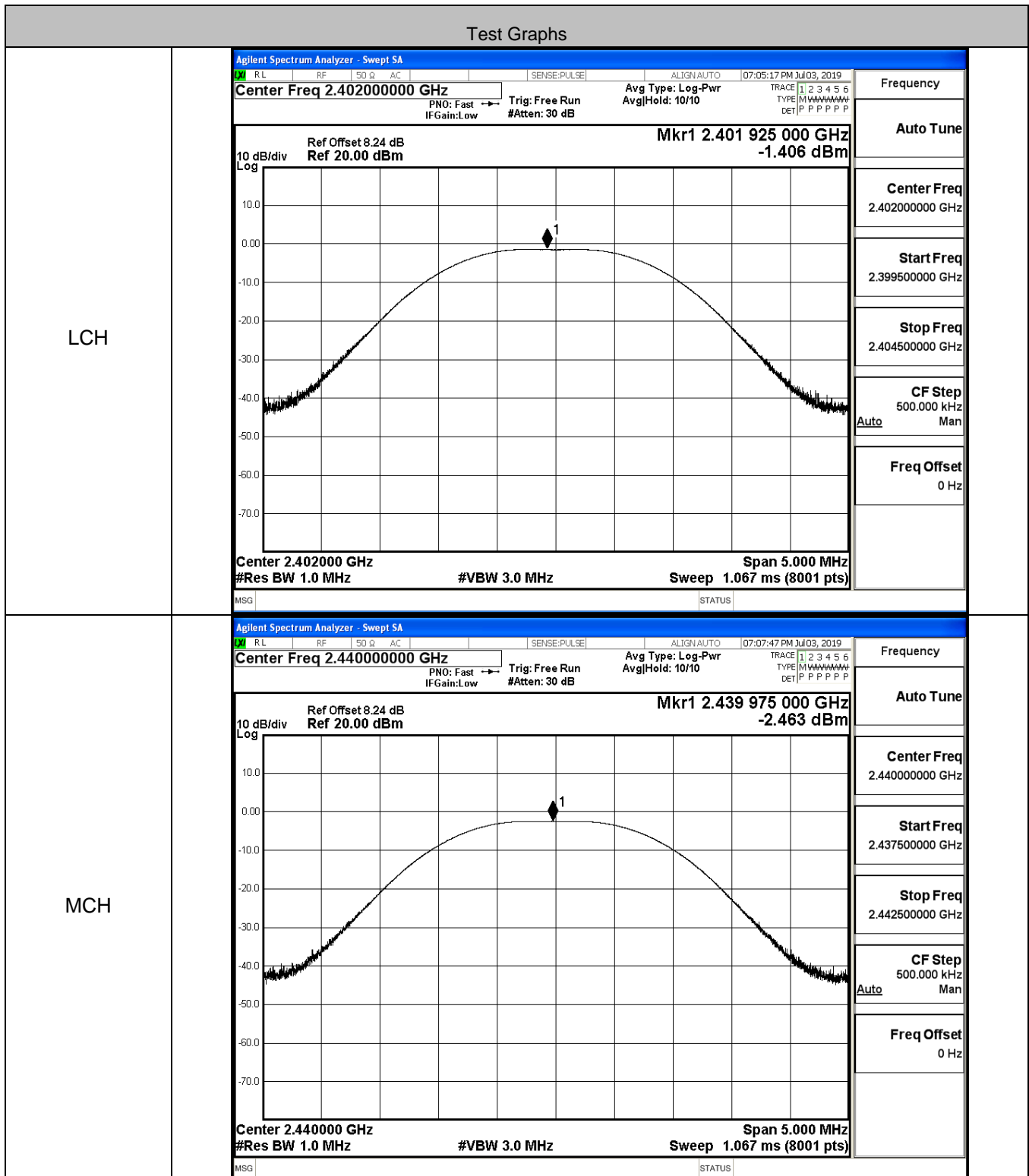
B.1 Duty Cycle

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

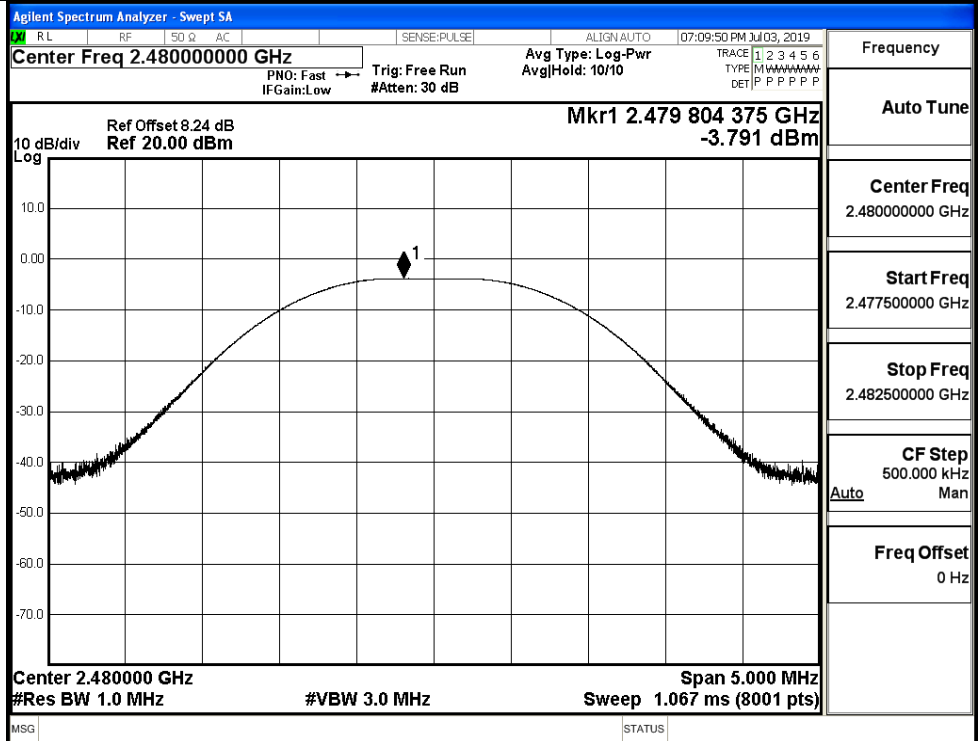


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.406	30	PASS
BT LE	MCH	-2.463	30	PASS
BT LE	HCH	-3.791	30	PASS



HCH

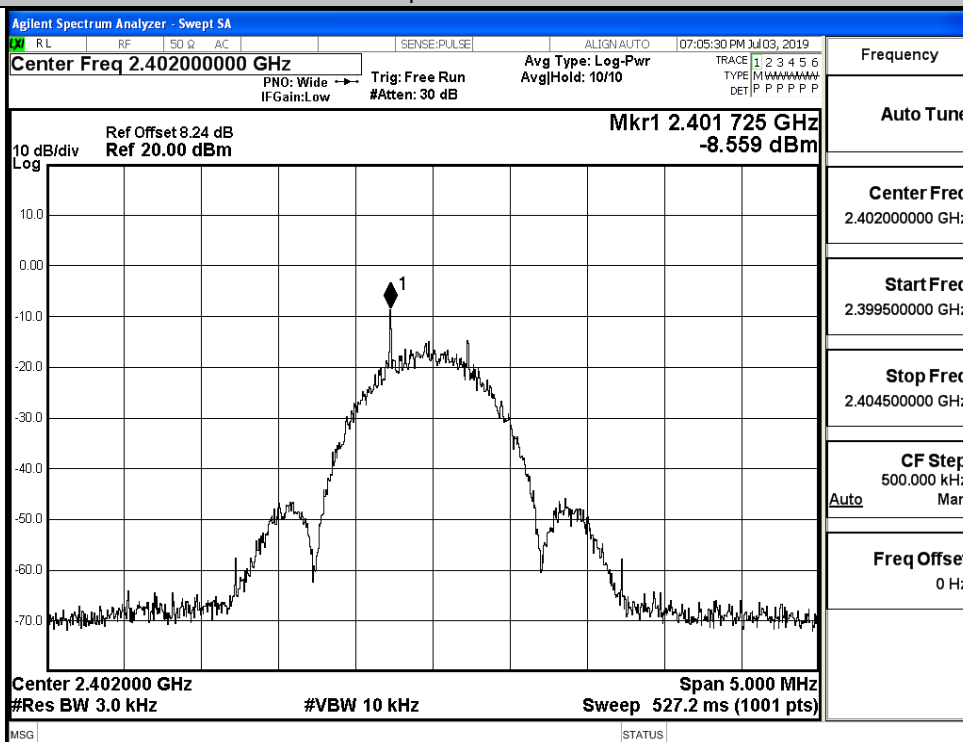


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-8.559	8	PASS
BT LE	MCH	-9.000	8	PASS
BT LE	HCH	-11.870	8	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.402000000 GHz

Start Freq

2.399500000 GHz

Stop Freq

2.404500000 GHz

CF Step

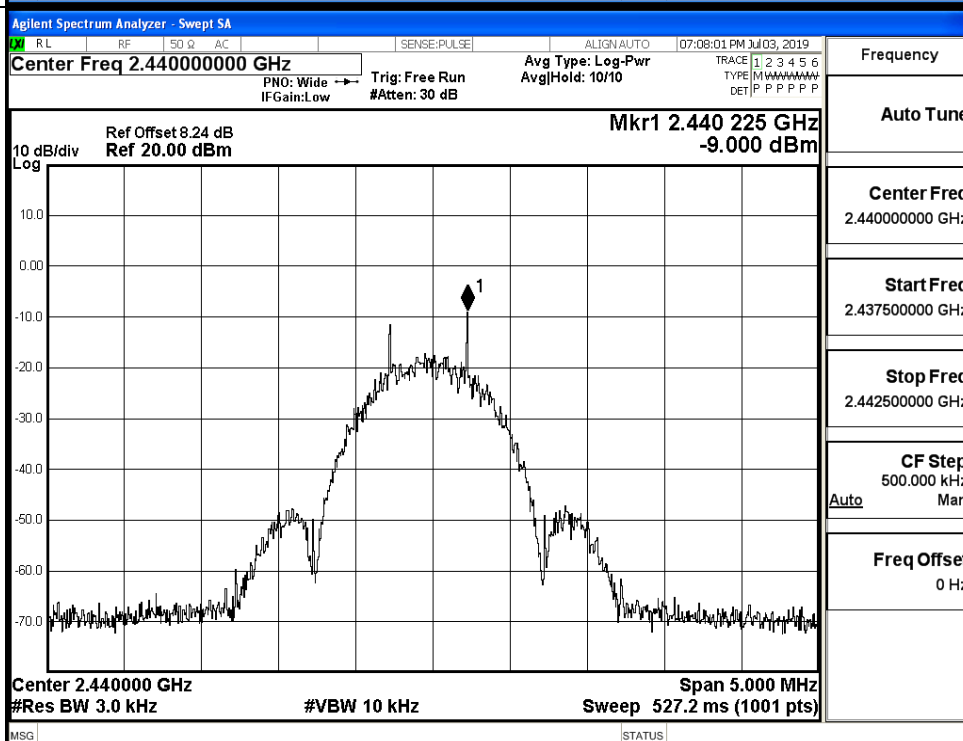
500.000 kHz

Auto

Freq Offset

0 Hz

MCH



Frequency

Auto Tune

Center Freq

2.440000000 GHz

Start Freq

2.437500000 GHz

Stop Freq

2.442500000 GHz

CF Step

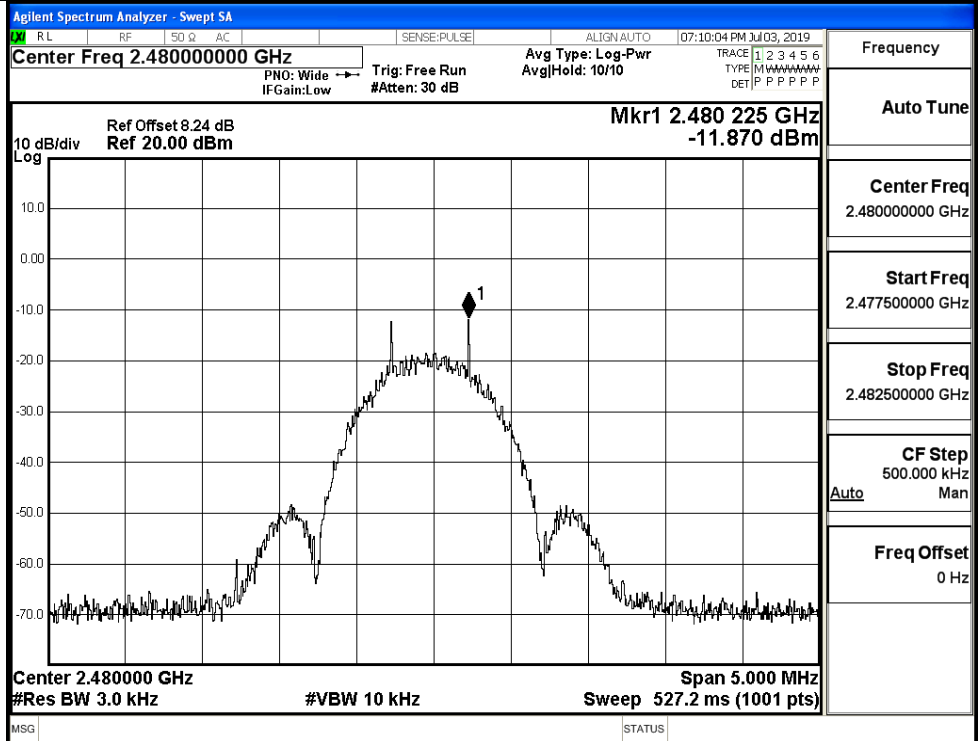
500.000 kHz

Auto

Freq Offset

0 Hz

HCH

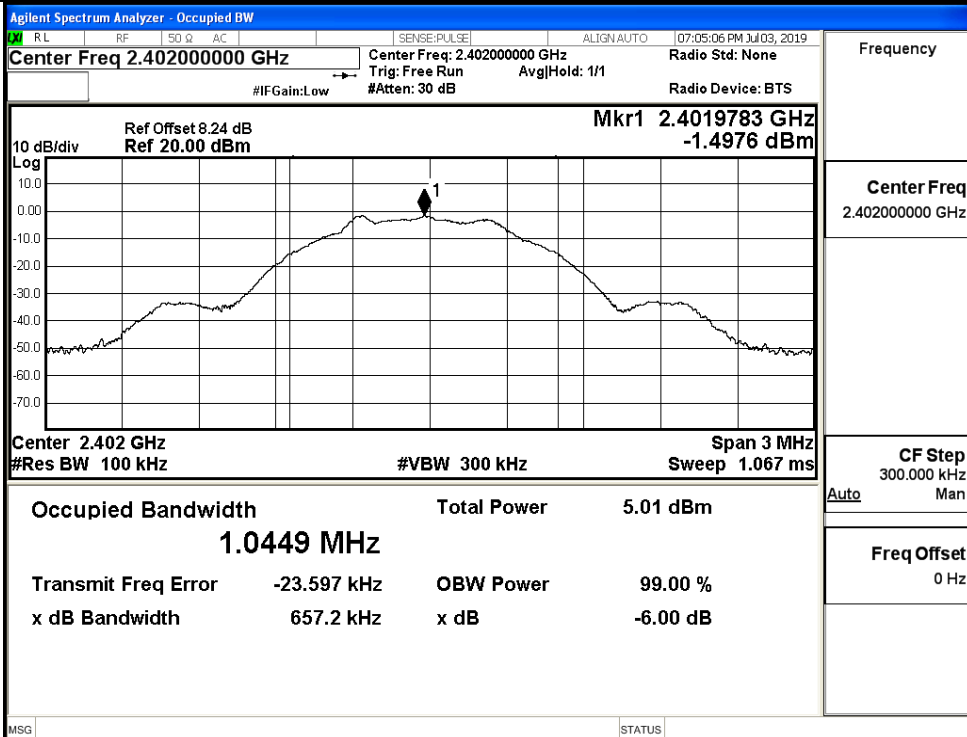


B.4 6dB Bandwidth

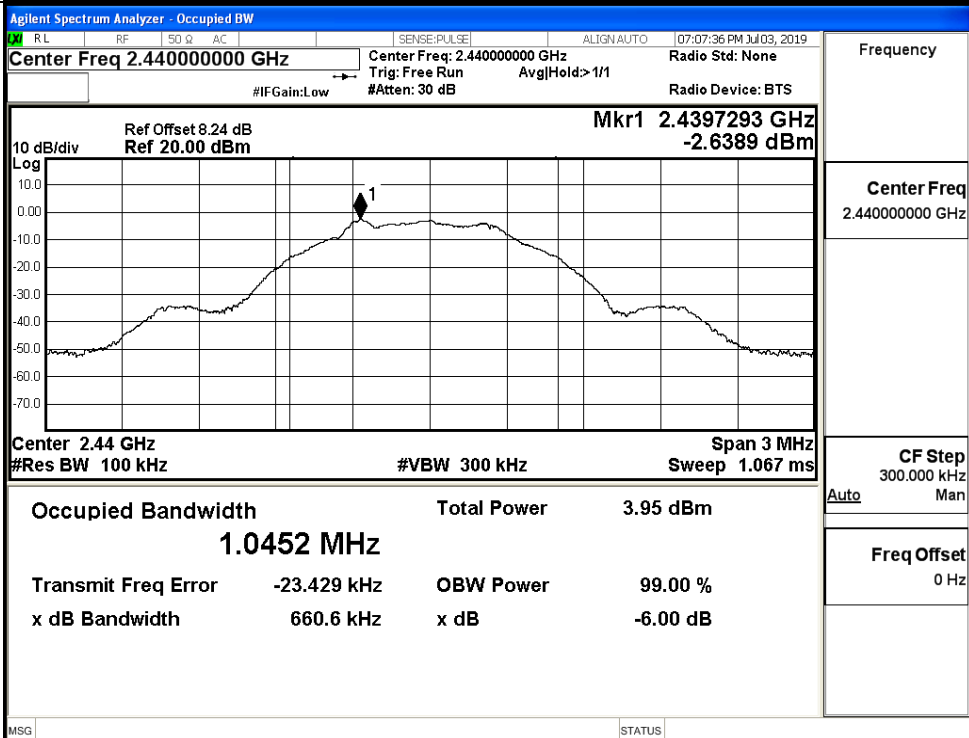
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6572	≥ 0.5	PASS
BT LE	MCH	0.6606	≥ 0.5	PASS
BT LE	HCH	0.6581	≥ 0.5	PASS

Test Graphs

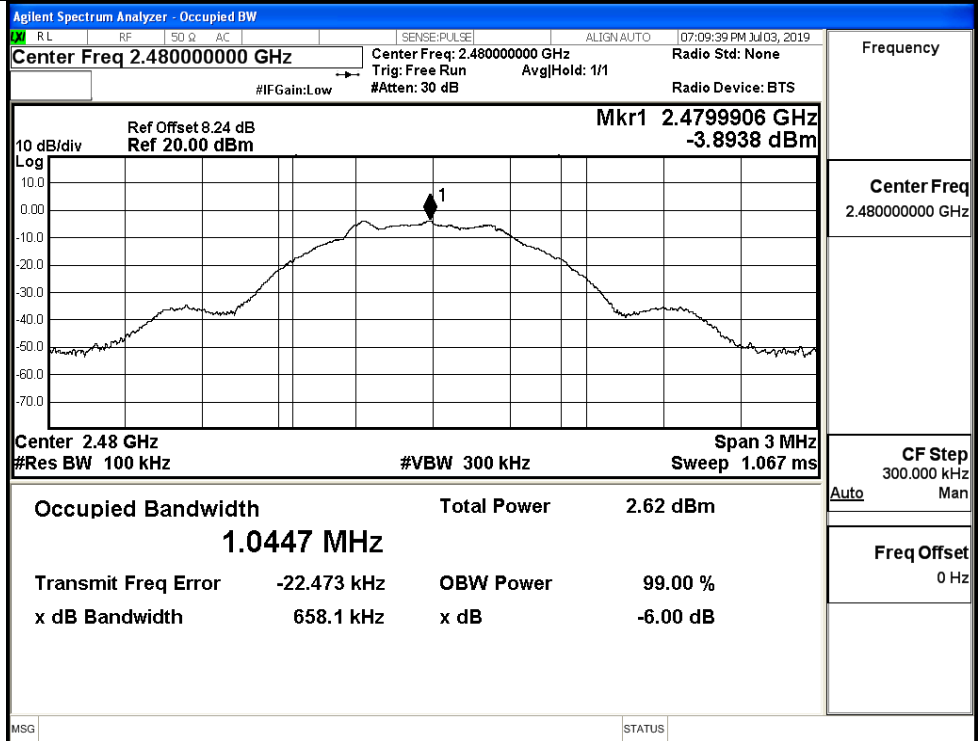
LCH



MCH



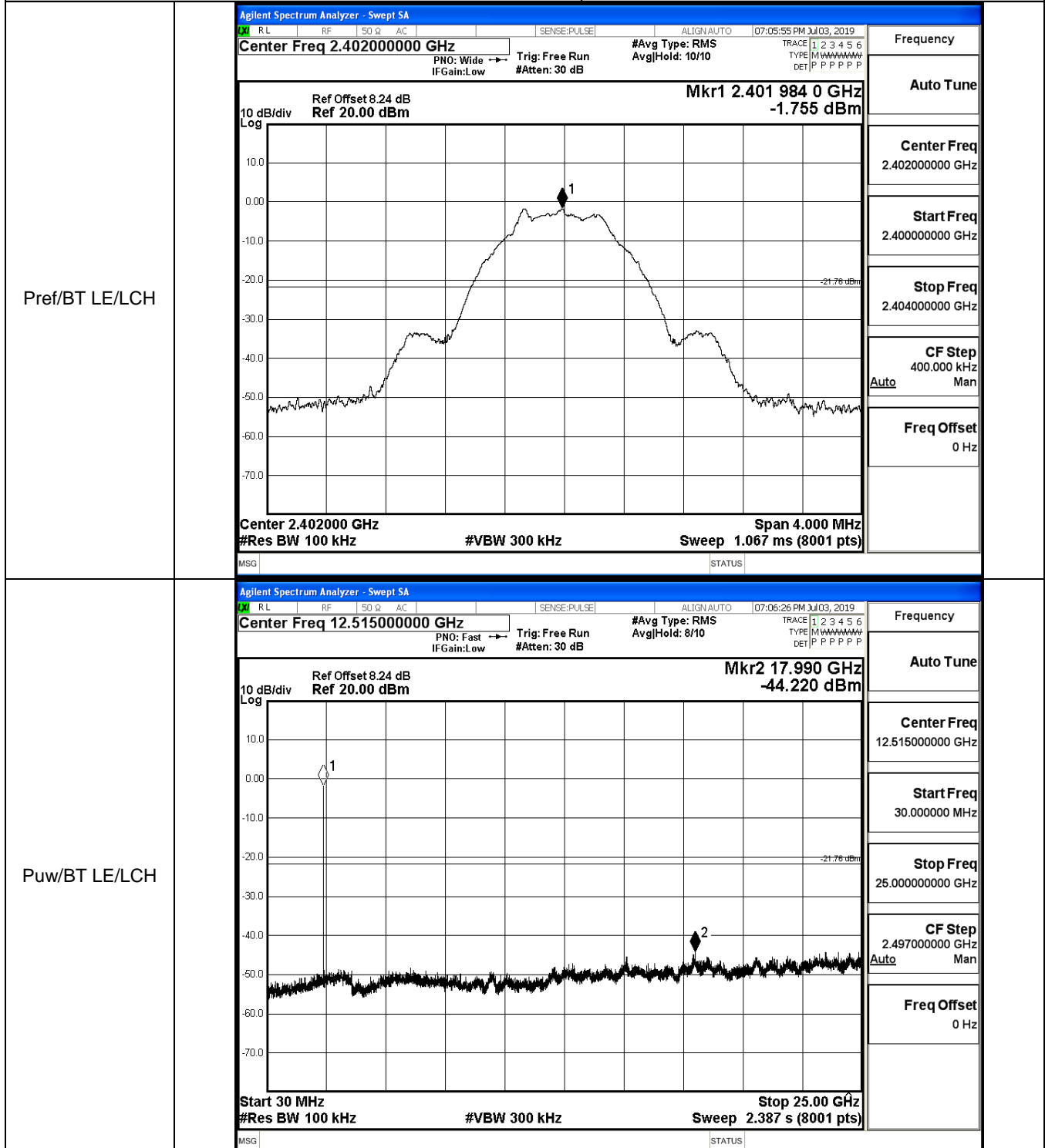
HCH



B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.755	-44.220	-21.755	PASS
BT LE	MCH	-2.598	-44.102	-22.598	PASS
BT LE	HCH	-4.238	-43.917	-24.238	PASS

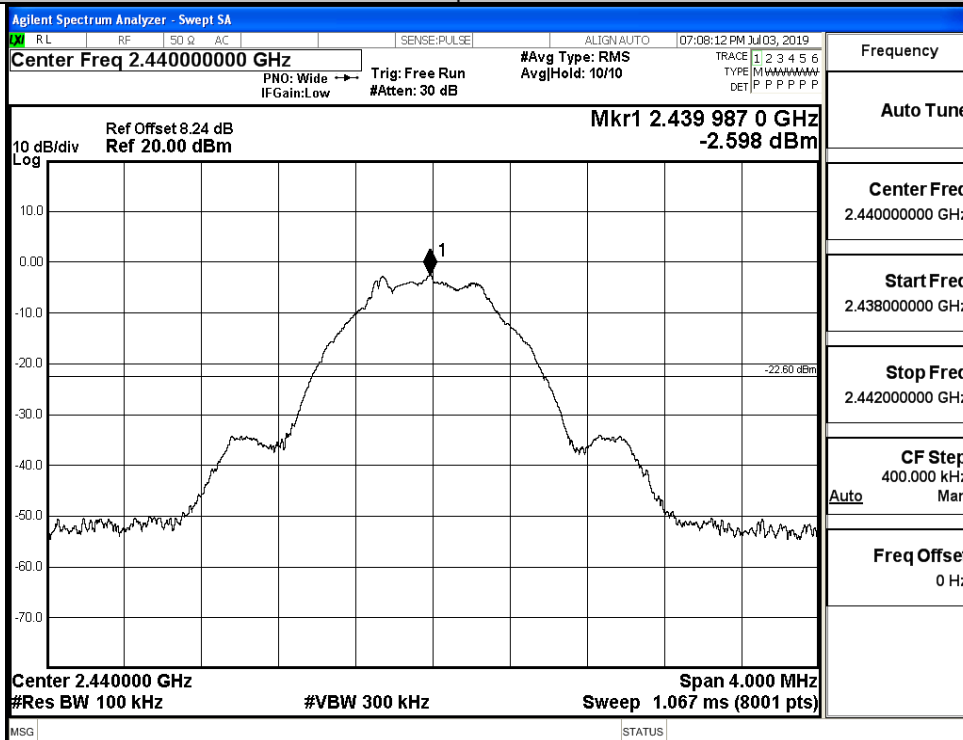
BT LE_LCH_Graphs



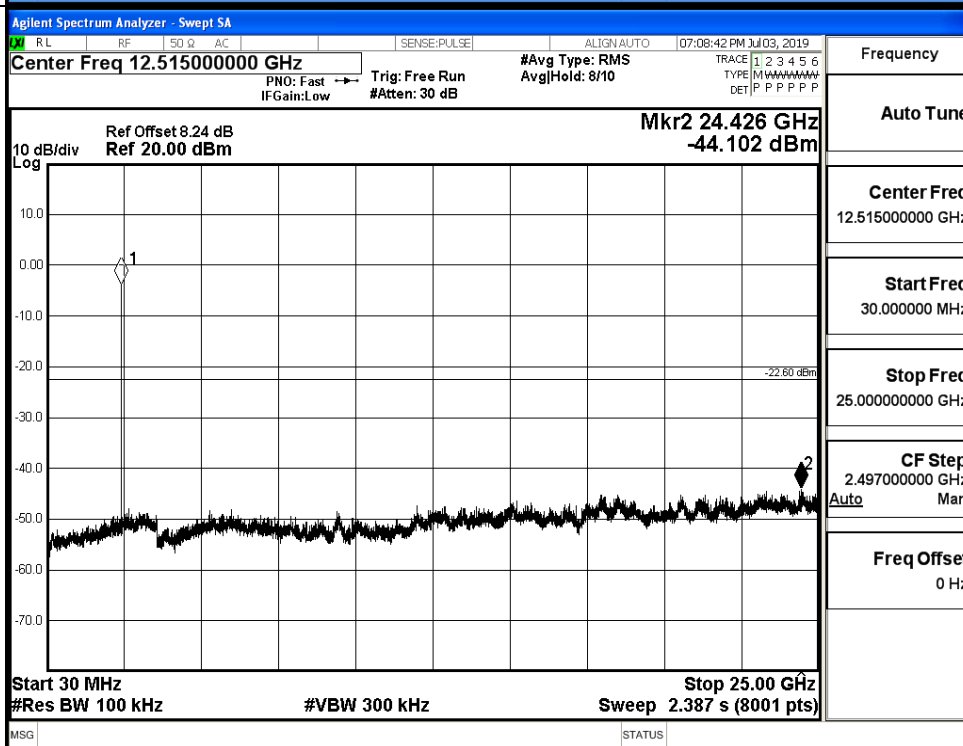
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BT LE_MCH_Graphs

Pref/BT LE/MCH

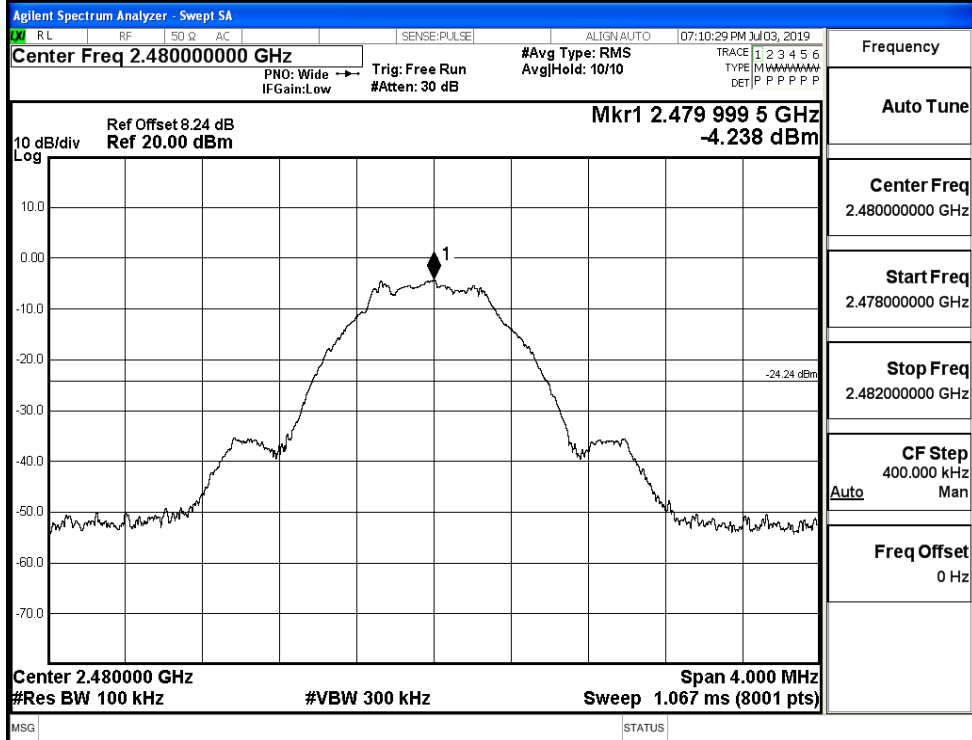


Puw/BT LE/MCH

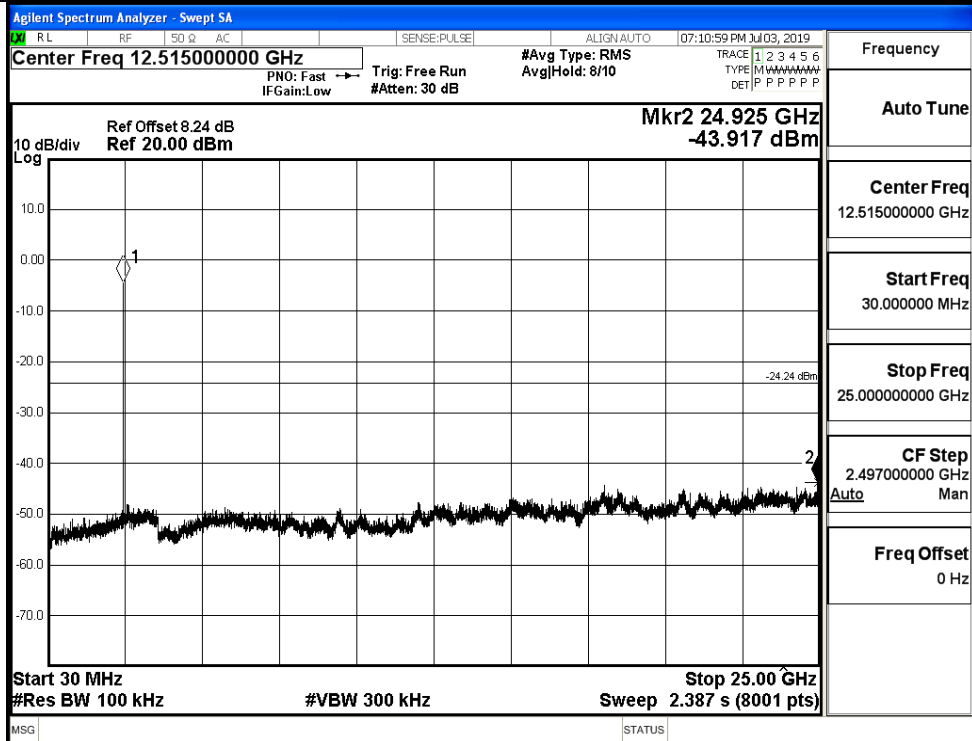


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

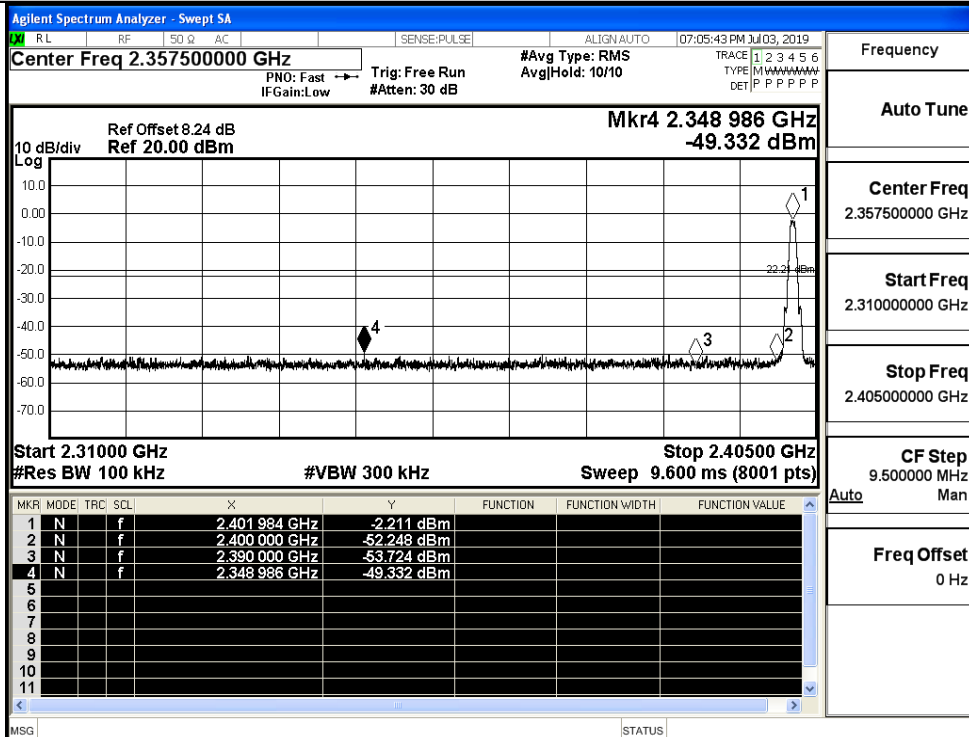


B.6 Band-edge for RF Conducted Emissions

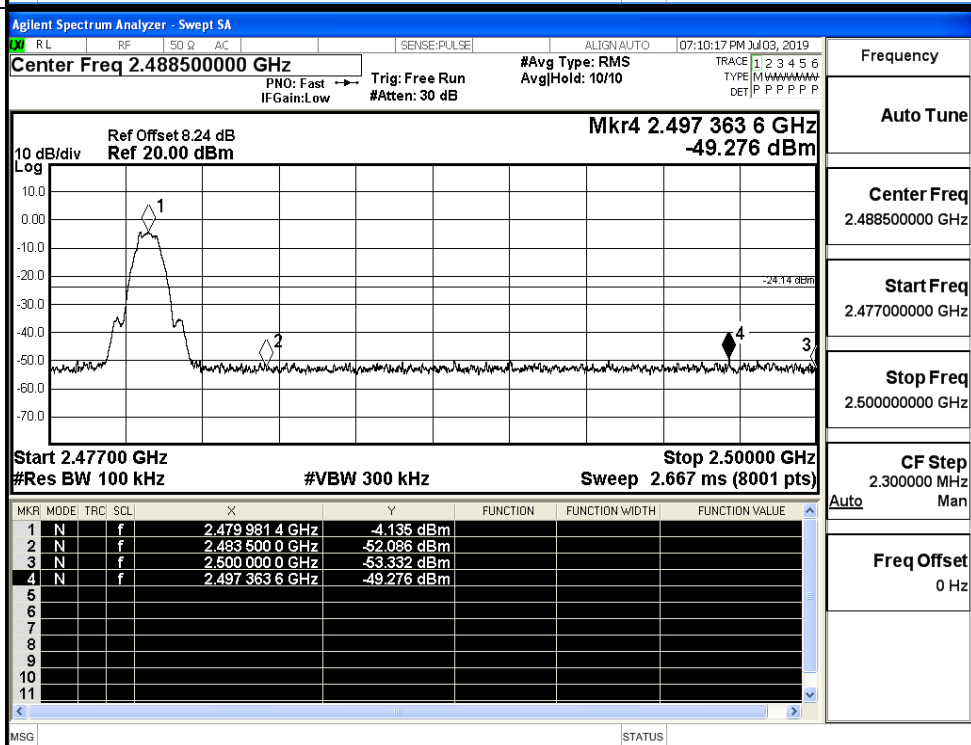
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.211	-49.332	-22.21	PASS
BT LE	HCH	-4.135	-49.276	-24.14	PASS

Test Graphs

LCH



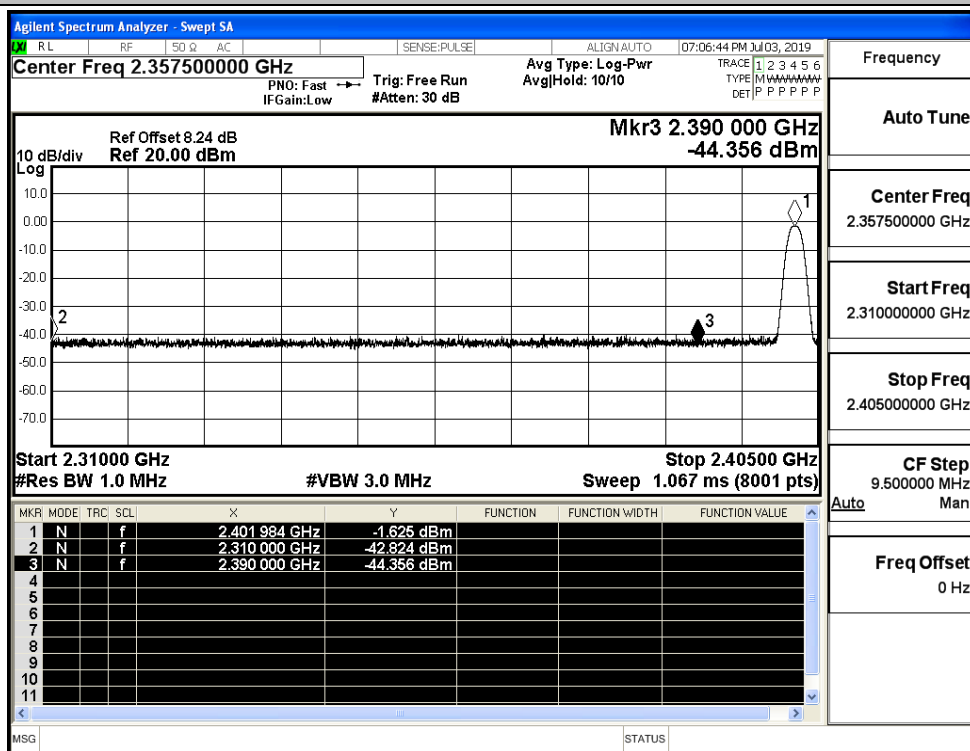
HCH



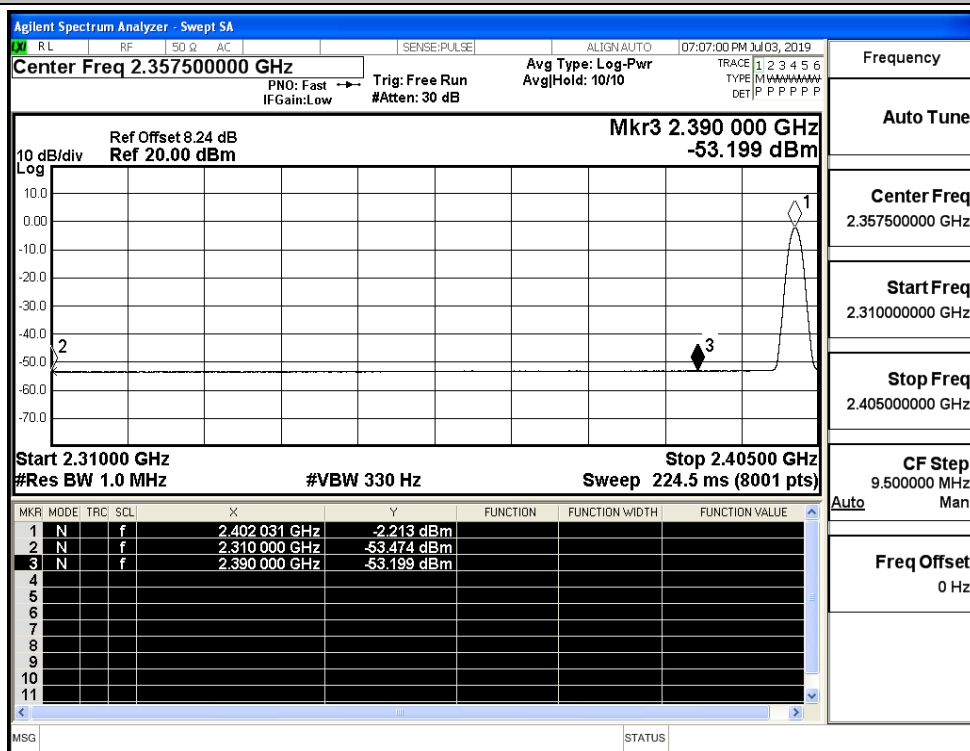
B.7 Restrict-band band-edge measurements

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	-42.82	2.0	0	52.43	PEAK	74	PASS
		Ant1	2310.0	-53.47	2.0	0	41.78	AV	54	PASS
		Ant1	2390.0	-44.36	2.0	0	50.90	PEAK	74	PASS
		Ant1	2390.0	-53.20	2.0	0	42.06	AV	54	PASS
	2480	Ant1	2483.5	-42.95	2.0	0	52.31	PEAK	74	PASS
		Ant1	2483.5	-52.76	2.0	0	42.50	AV	54	PASS
		Ant1	2500.0	-42.94	2.0	0	52.32	PEAK	74	PASS
		Ant1	2500.0	-52.82	2.0	0	42.43	AV	54	PASS

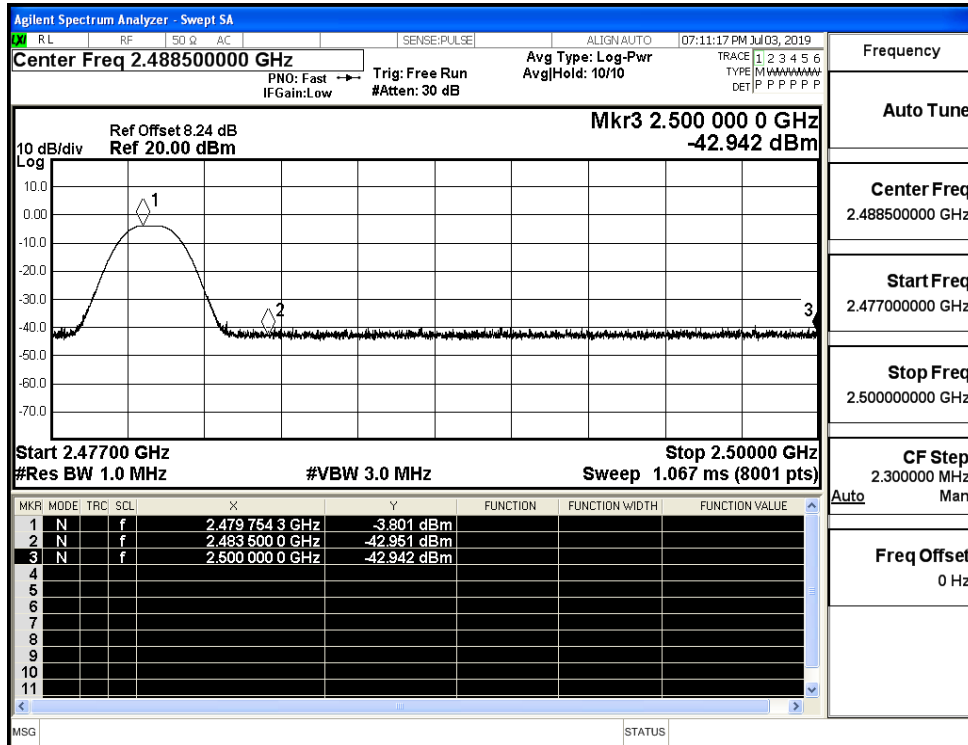
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

