

Appendix B

RF Test Data for BT V4.1 (BDR/EDR) (Conducted Measurement)

Product Name: Wi-Fi Adapter

Trade Mark: N/A

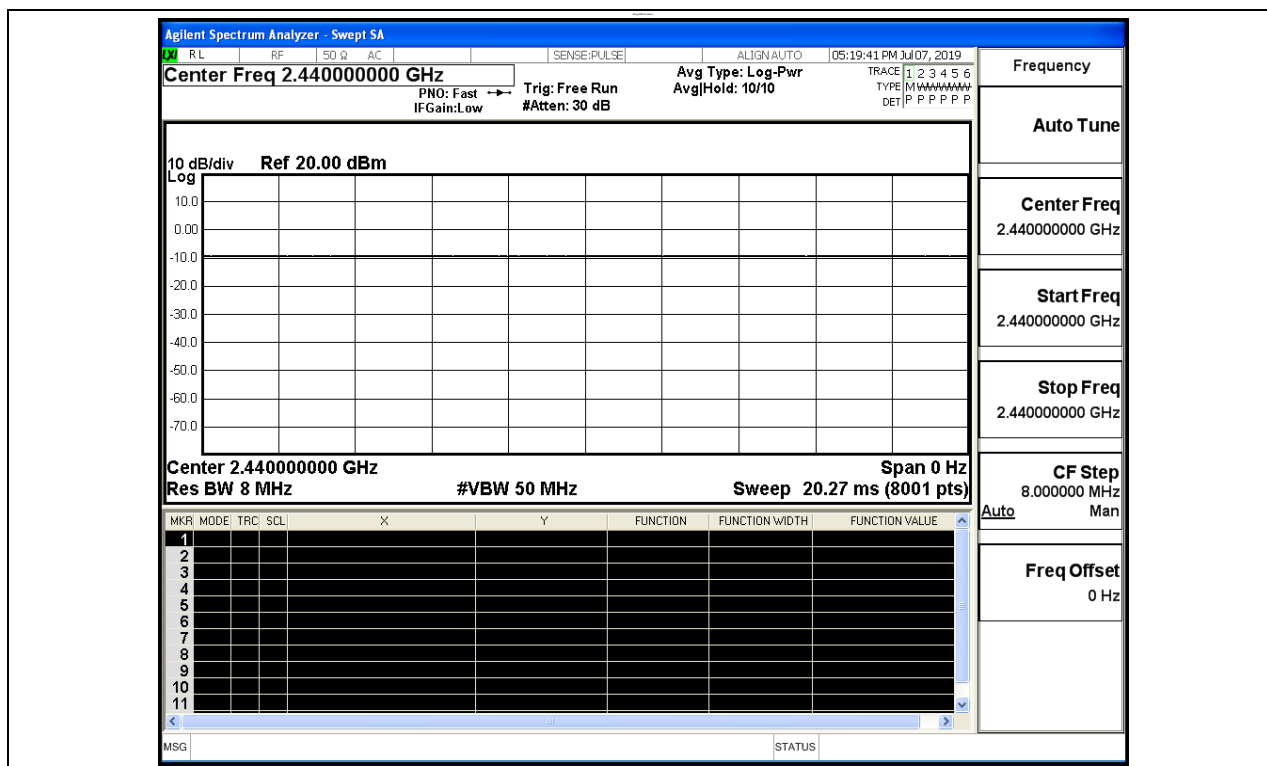
Test Model: AP0100

Environmental Conditions

Temperature:	23.8 °C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Wang.Chuang
Supervised by:	Tom.Liu

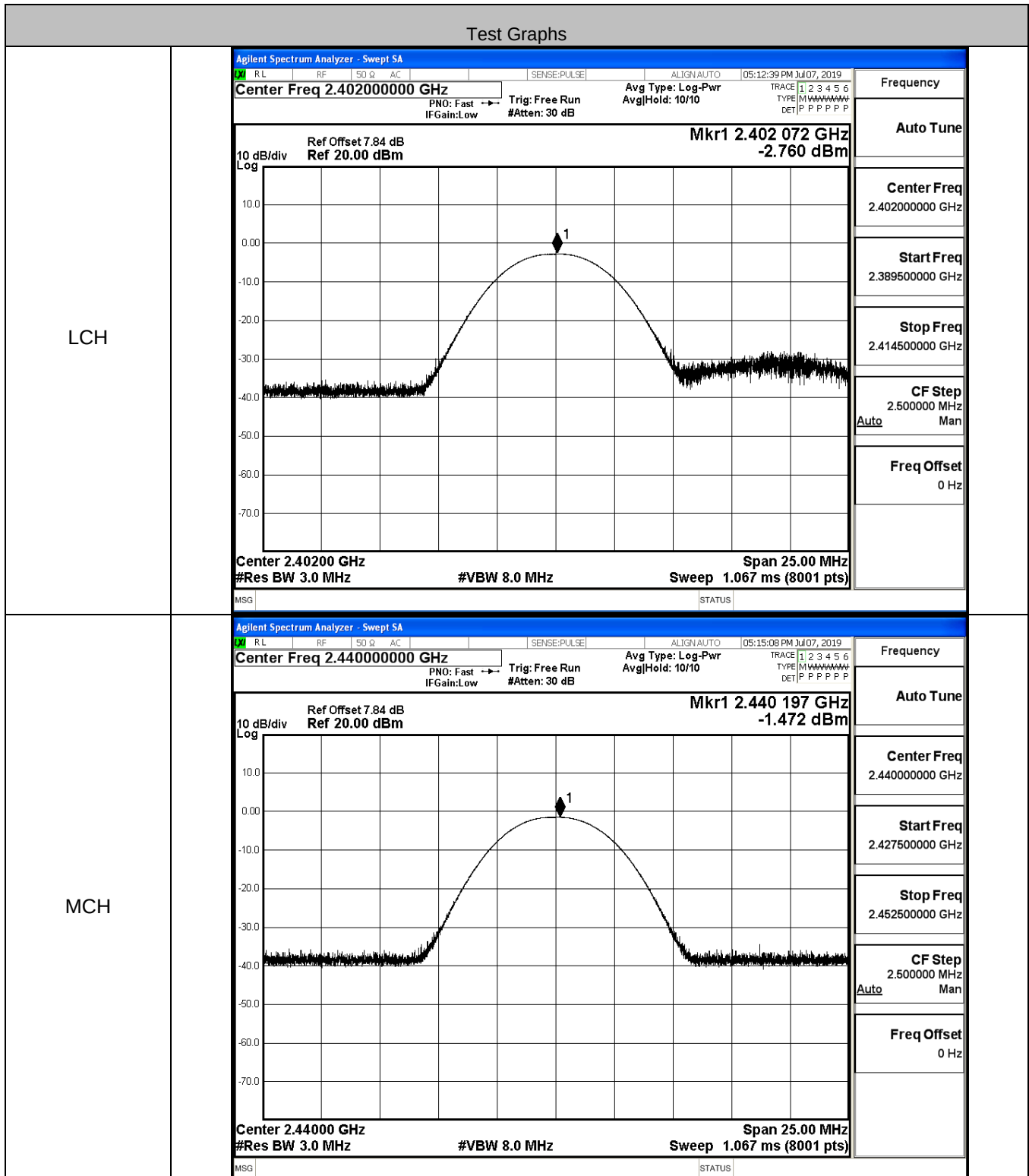
B.1 Duty Cycle

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

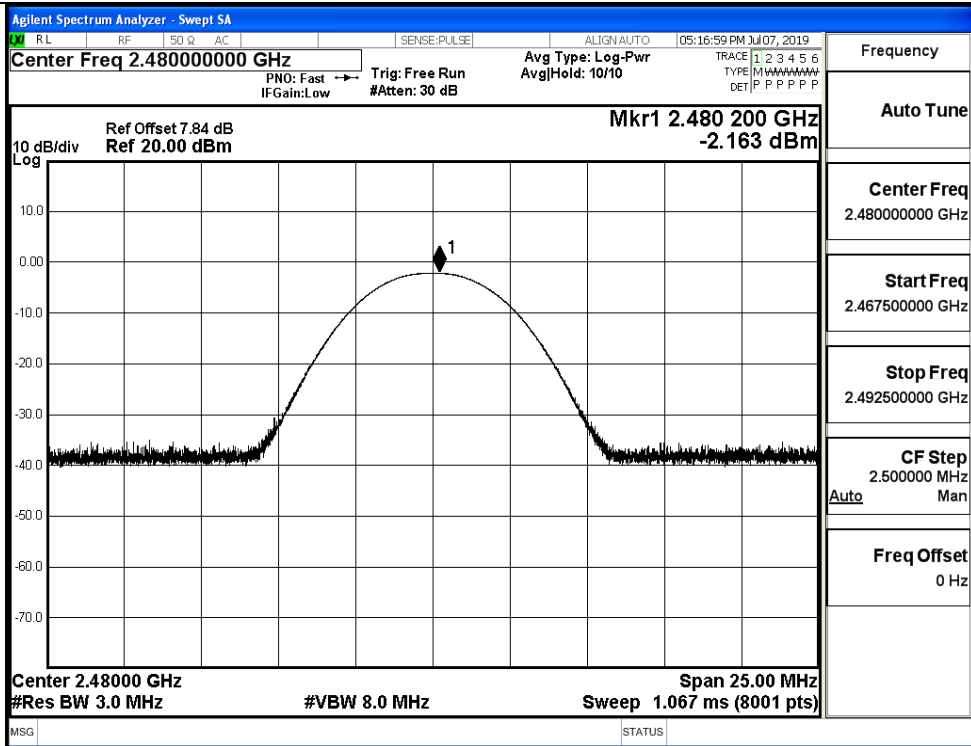


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.760	30	PASS
BT LE	MCH	-1.472	30	PASS
BT LE	HCH	-2.163	30	PASS

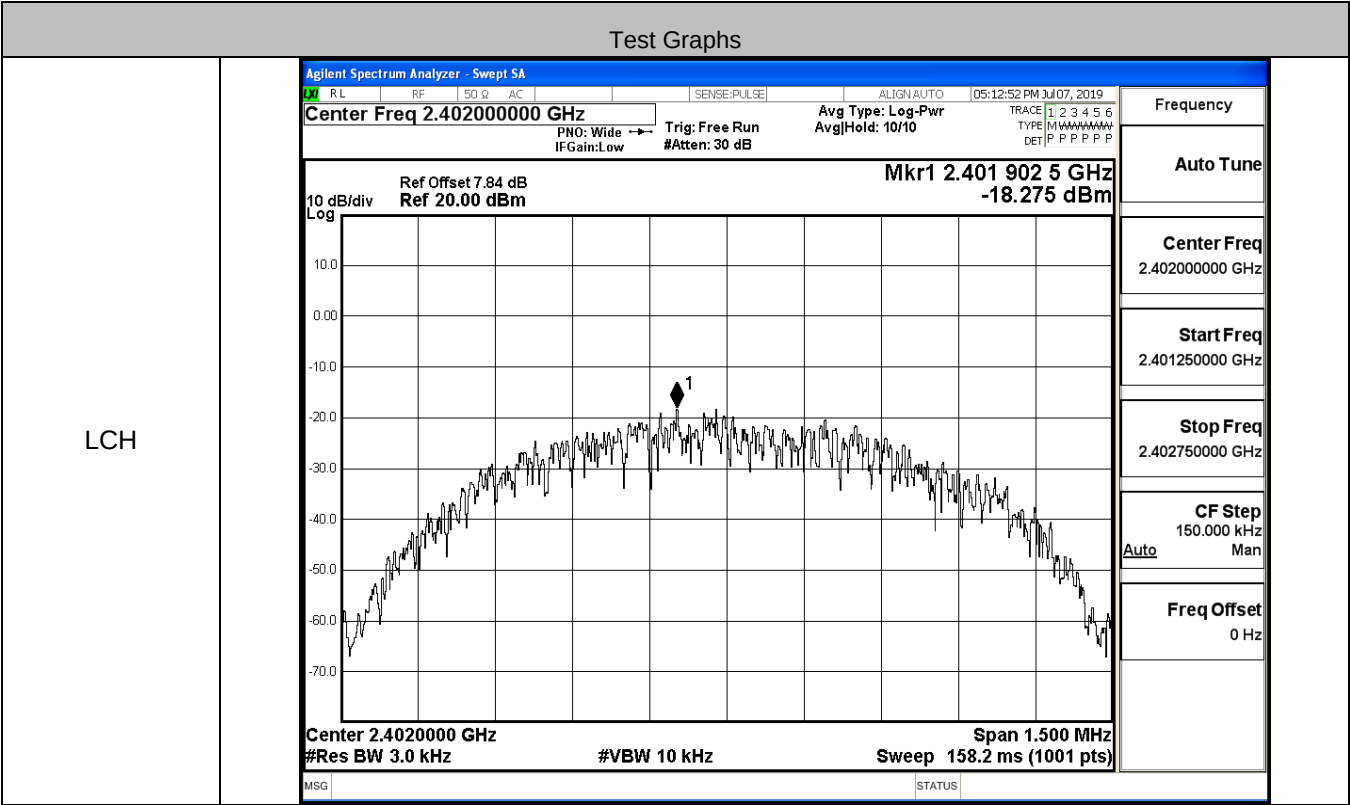


HCH

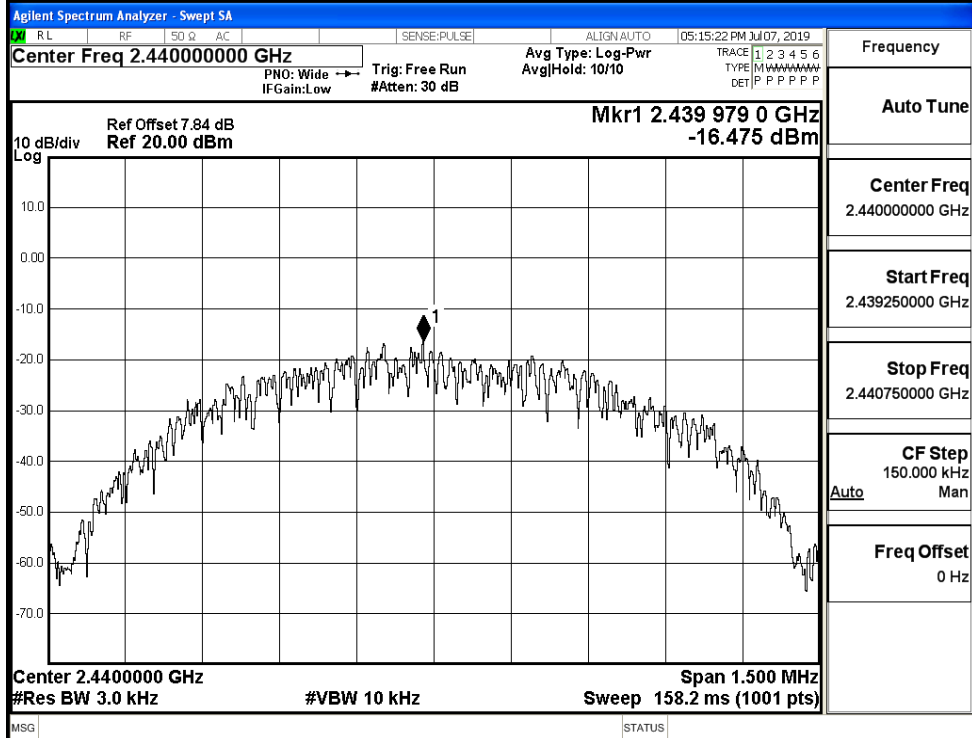


B.3 Maximum Power Spectral Density

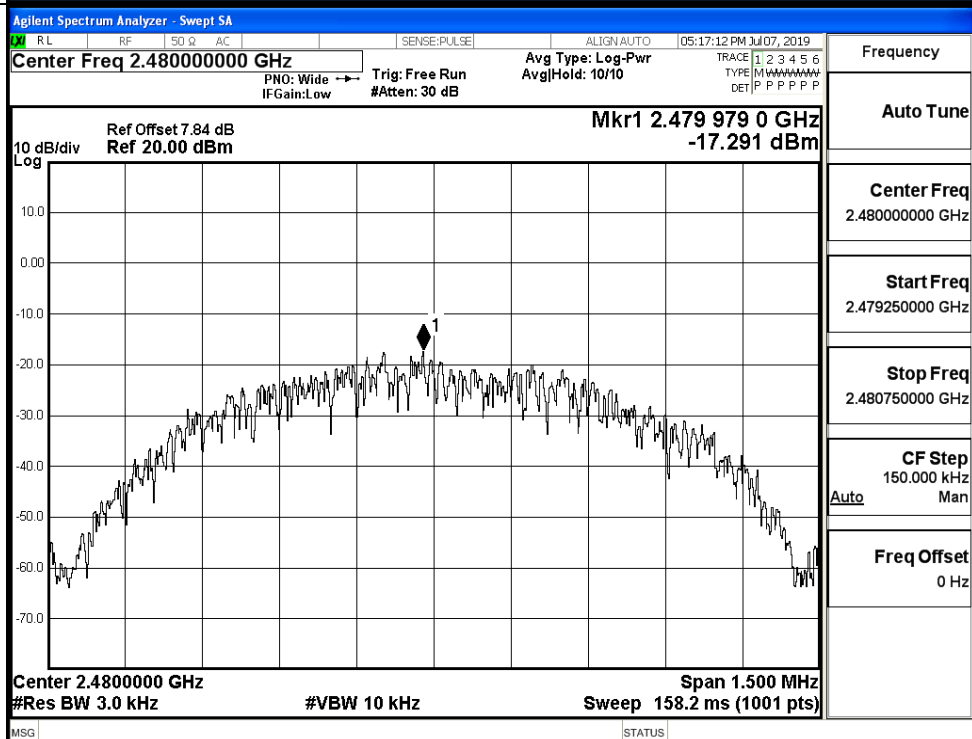
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.275	8	PASS
BT LE	MCH	-16.475	8	PASS
BT LE	HCH	-17.291	8	PASS



MCH



HCH

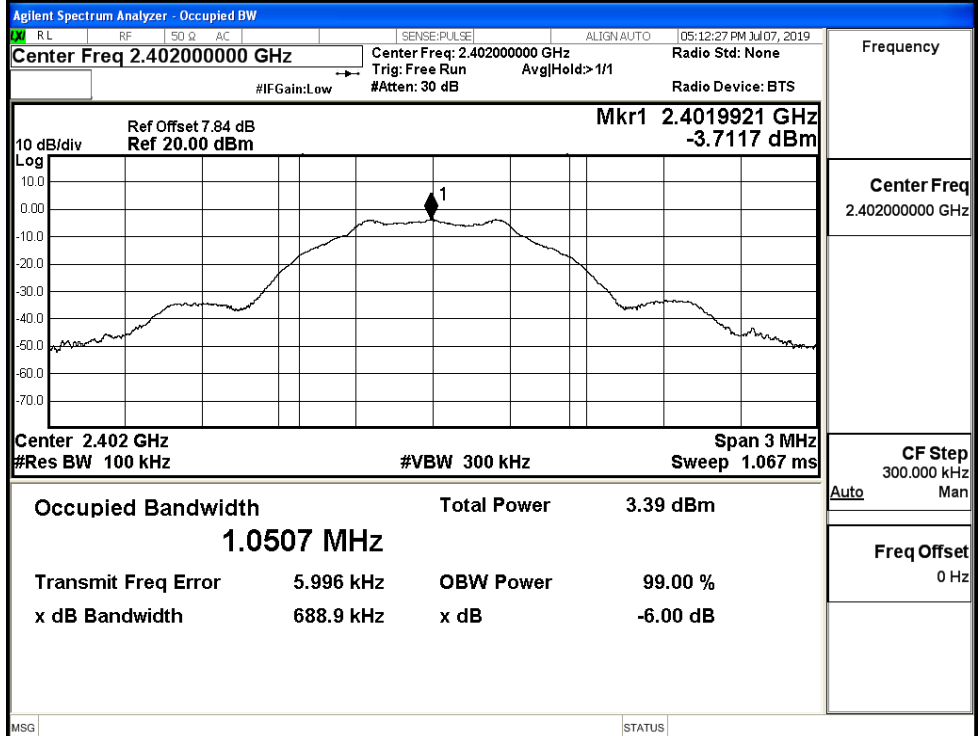


B.4 6dB Bandwidth

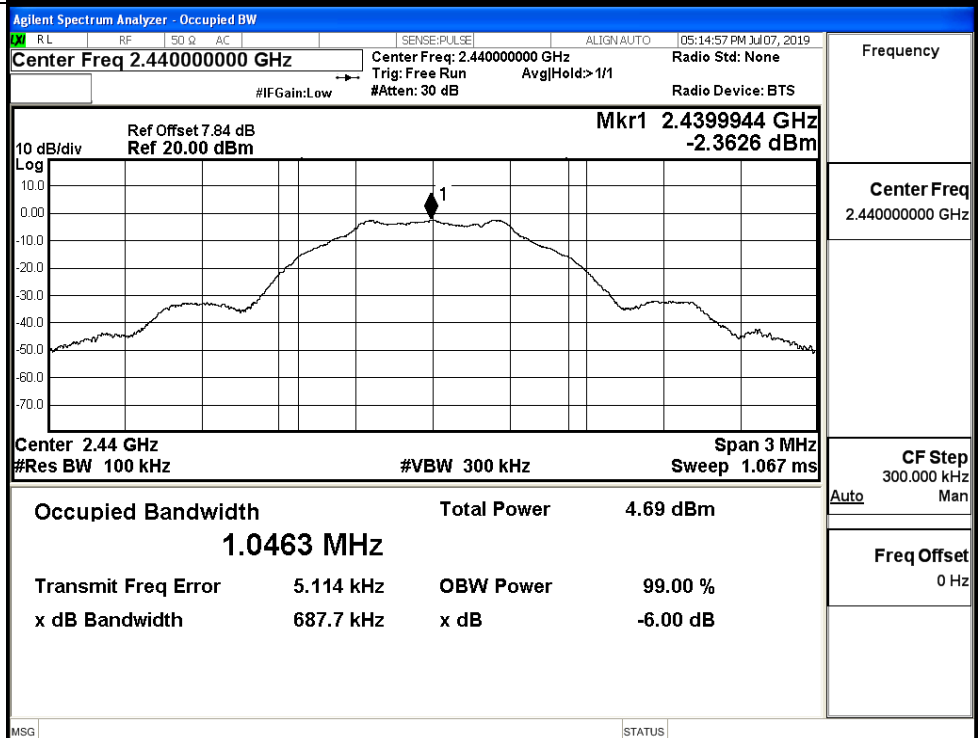
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6889	≥ 0.5	PASS
BT LE	MCH	0.6877	≥ 0.5	PASS
BT LE	HCH	0.6885	≥ 0.5	PASS

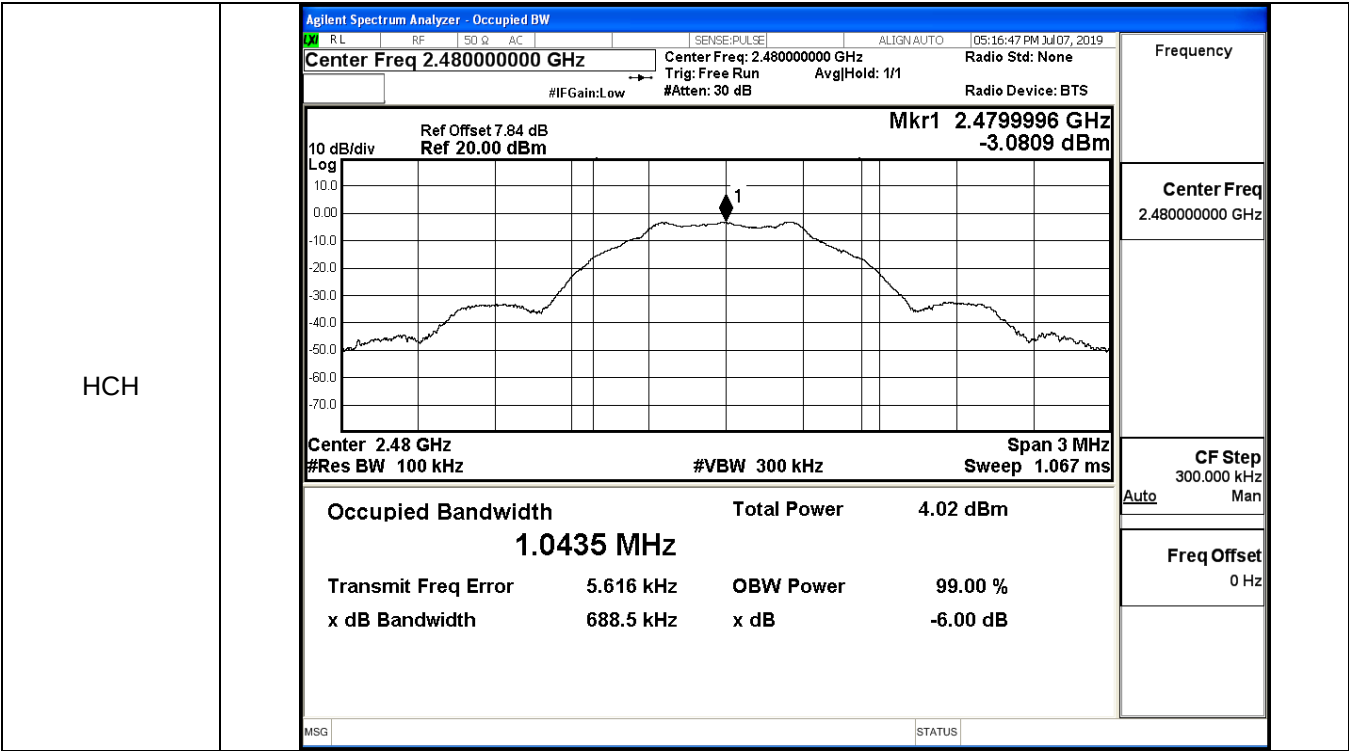
Test Graphs

LCH



MCH



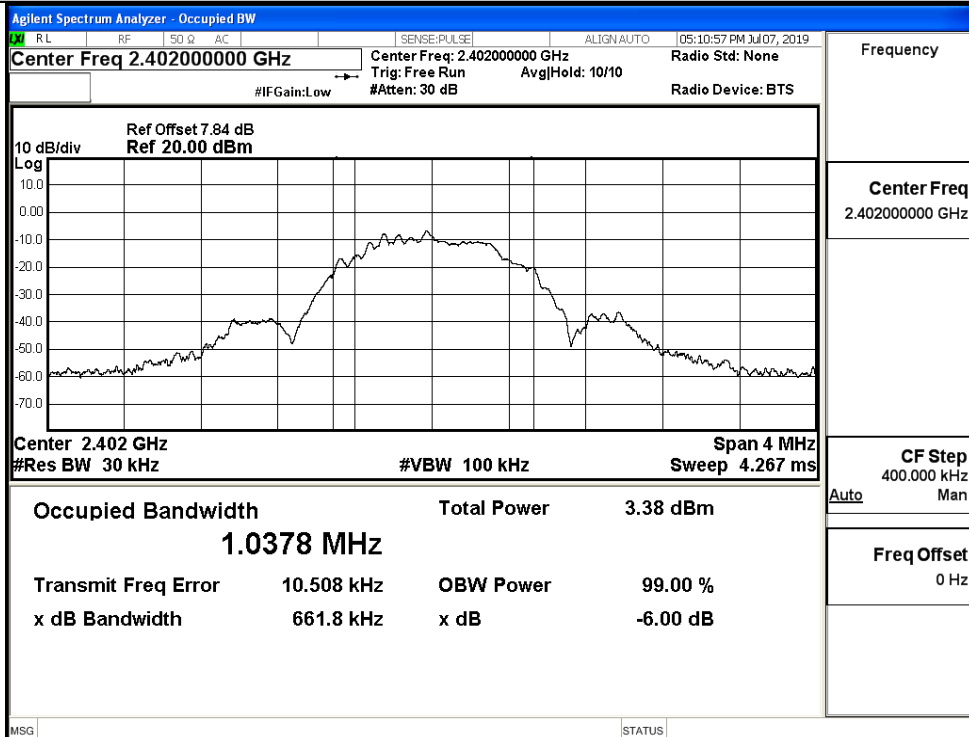


B.5 Occupied Bandwidth

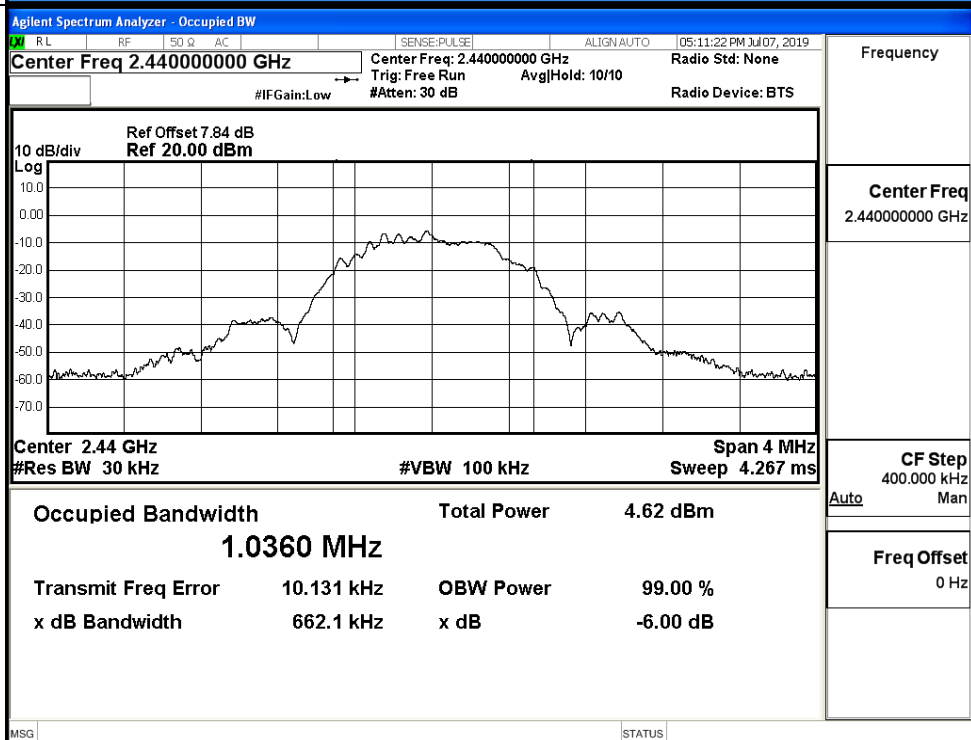
Mode	Channel	Occupied Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	1.0378	No Limits	PASS
BT LE	MCH	1.0360	No Limits	PASS
BT LE	HCH	1.0331	No Limits	PASS

Test Graphs

LCH



MCH



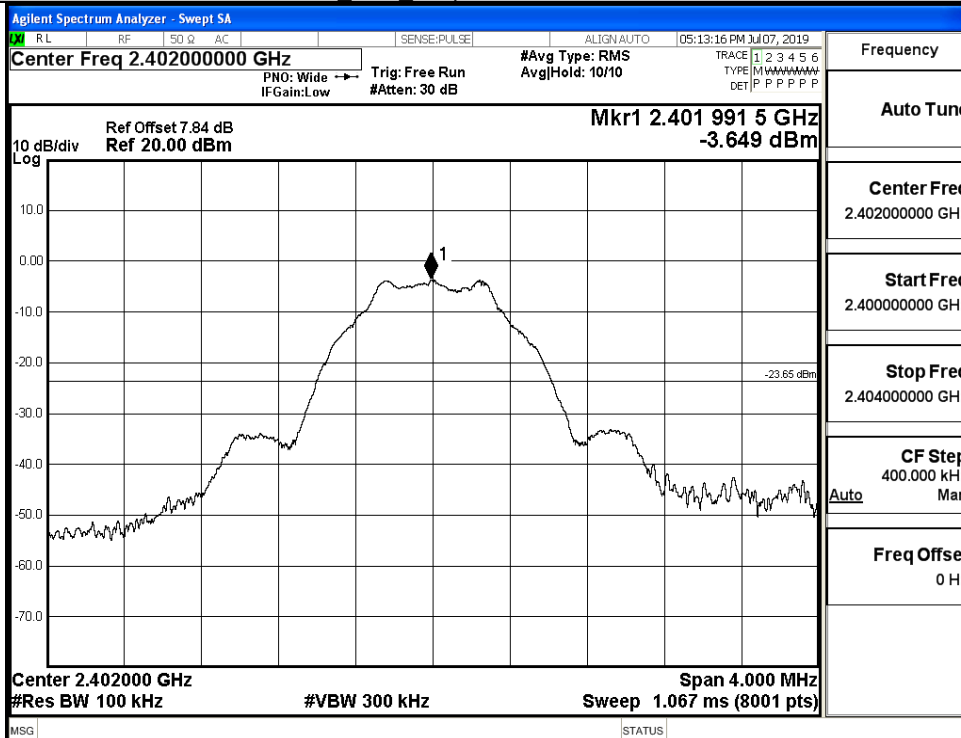


B.6 RF Conducted Spurious Emissions

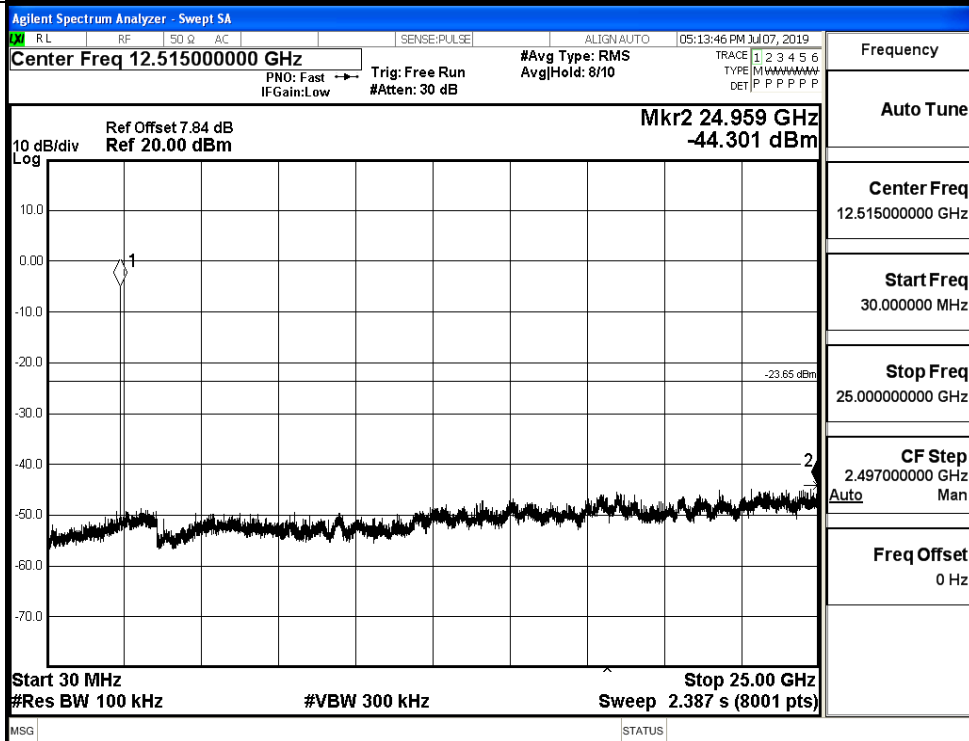
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.649	-44.301	-23.649	PASS
BT LE	MCH	-2.307	-44.203	-22.307	PASS
BT LE	HCH	-3.09	-44.449	-23.090	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

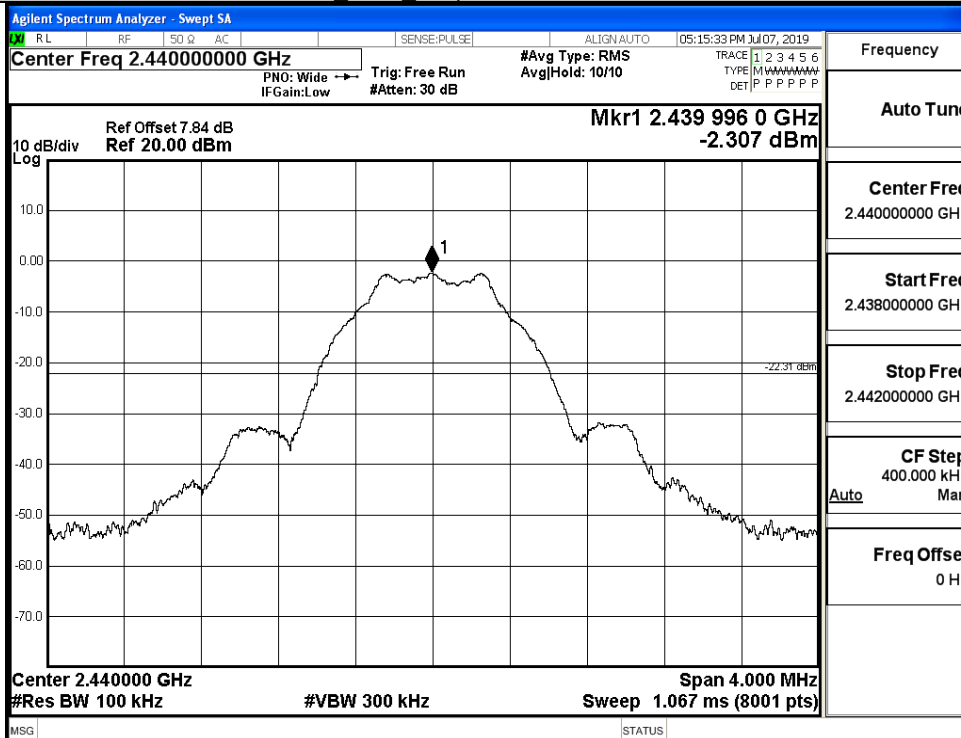


Puw/BT LE/LCH

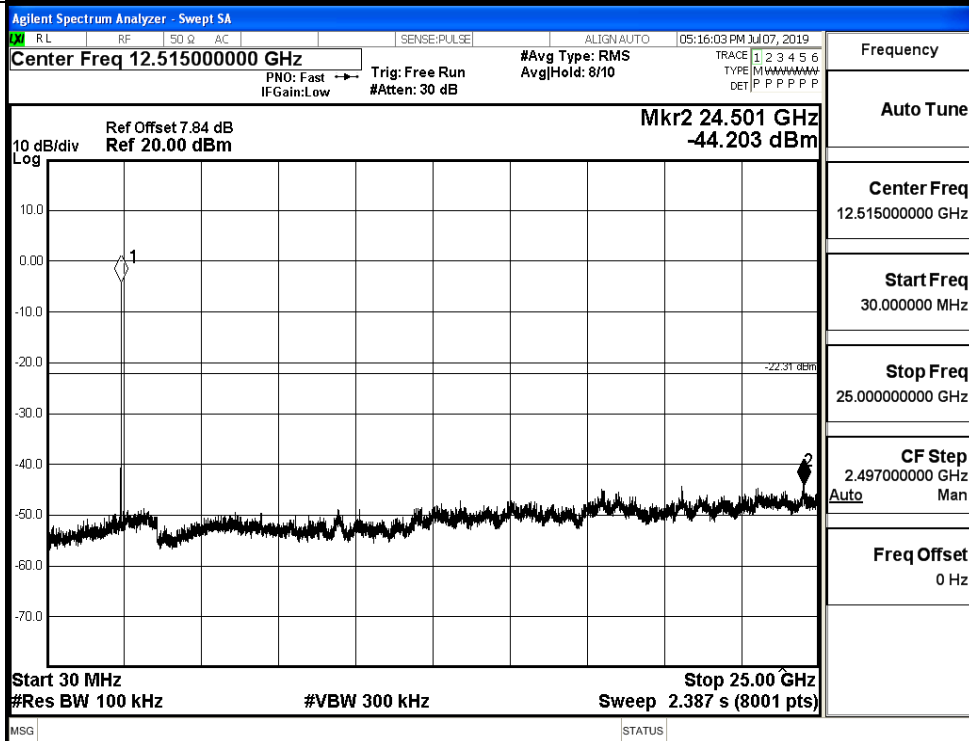


BT LE MCH Graphs

Pref/BT LE/MCH

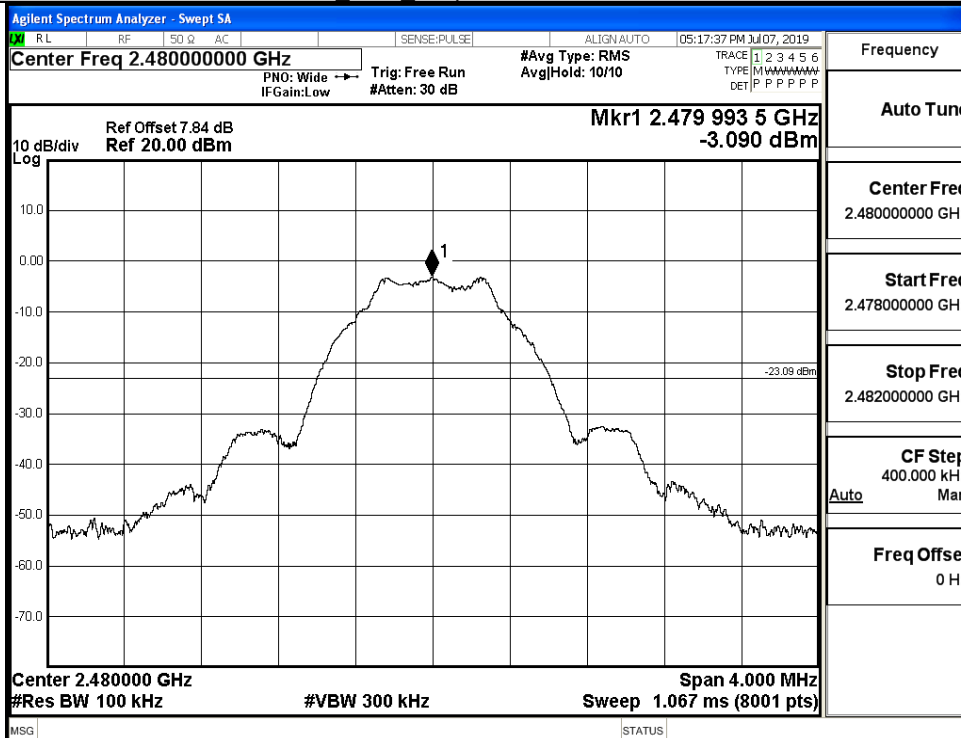


Puw/BT LE/MCH

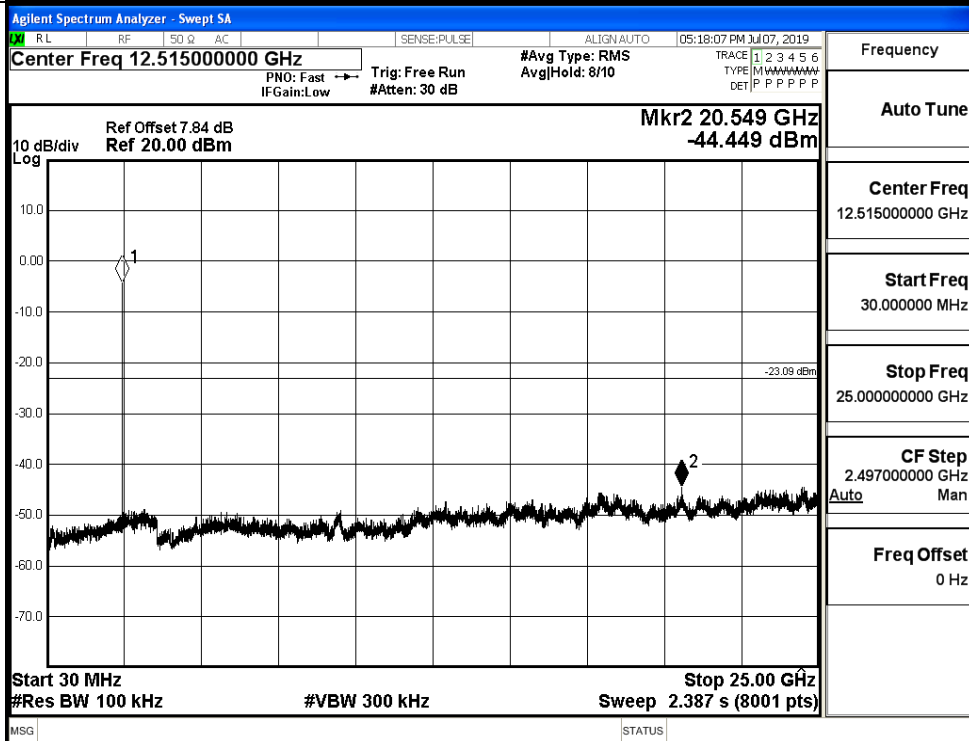


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

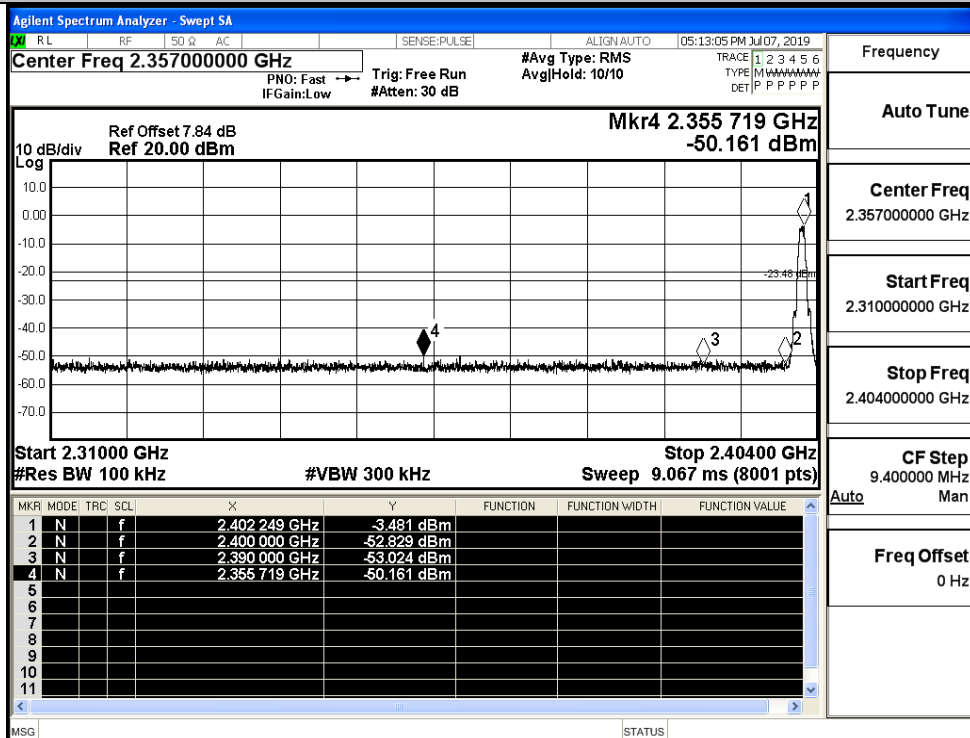


B.7 Band-edge for RF Conducted Emissions

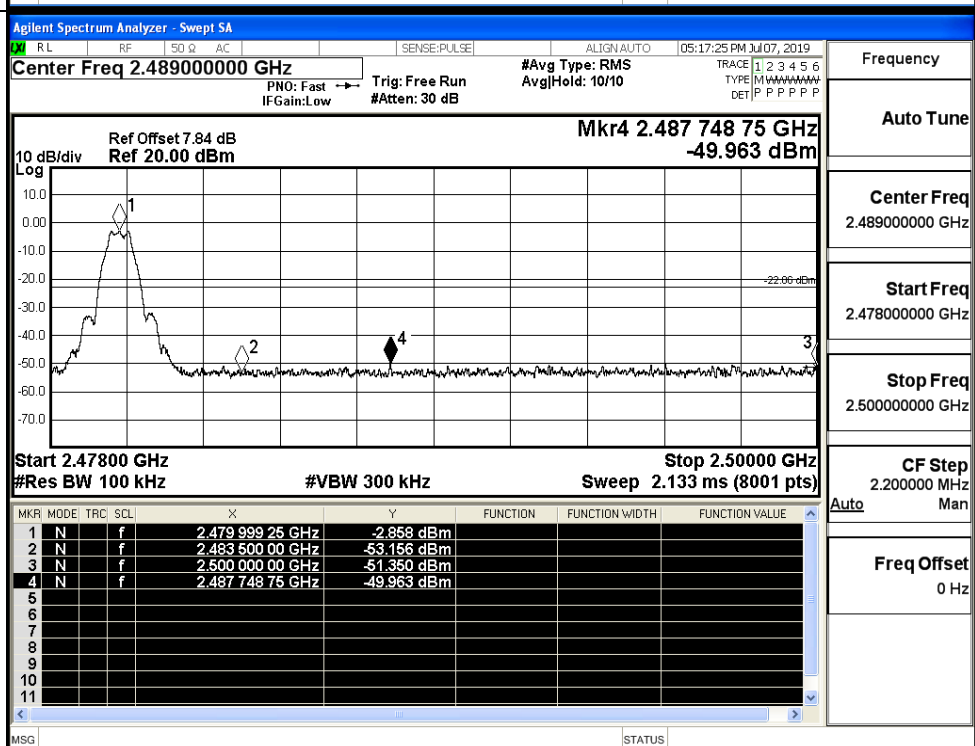
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.481	-50.161	-23.48	PASS
BT LE	HCH	-2.858	-49.963	-22.86	PASS

Test Graphs

LCH



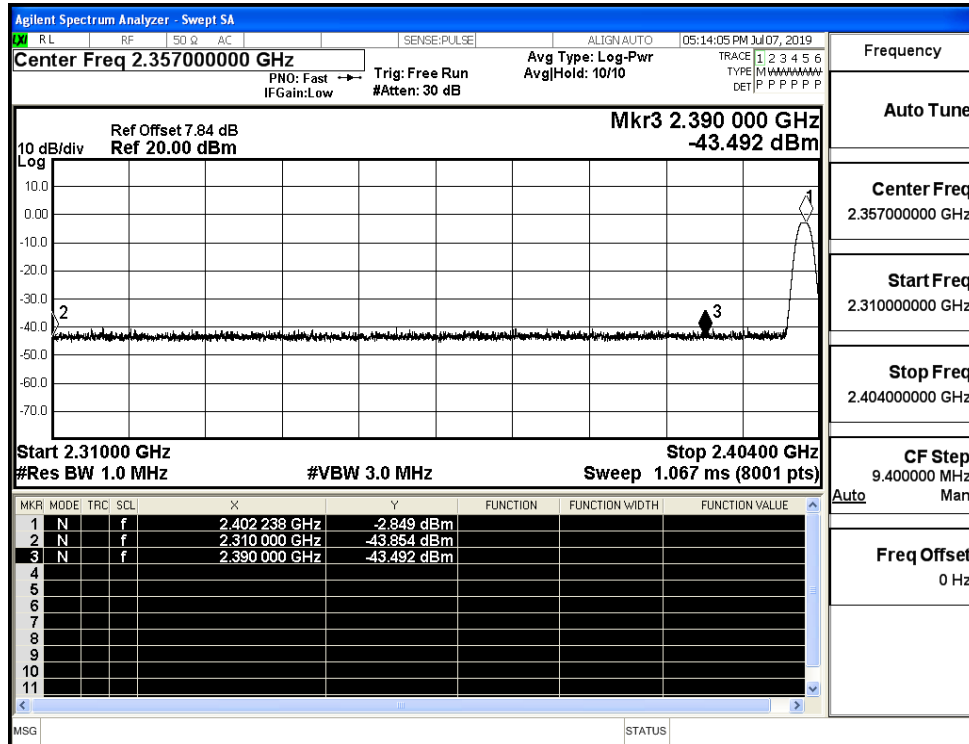
HCH



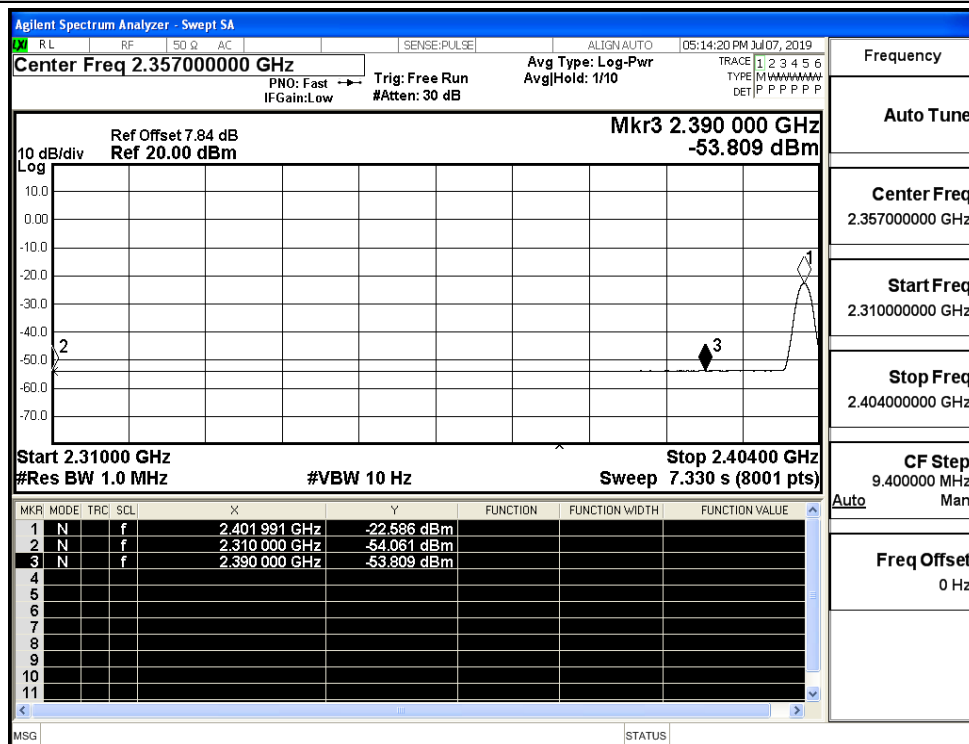
B.8 Restrict-band band-edge measurements

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	-43.854	2.16	0	53.534	PEAK	74	PASS
		Ant1	2310.0	-54.061	2.16	0	43.327	AV	54	PASS
		Ant1	2390.0	-43.492	2.16	0	53.896	PEAK	74	PASS
		Ant1	2390.0	-53.809	2.16	0	43.579	AV	54	PASS
	2480	Ant1	2483.5	-44.446	2.16	0	52.942	PEAK	74	PASS
		Ant1	2483.5	-53.581	2.16	0	43.807	AV	54	PASS
		Ant1	2500.0	-41.907	2.16	0	55.481	PEAK	74	PASS
		Ant1	2500.0	-53.413	2.16	0	43.975	AV	54	PASS

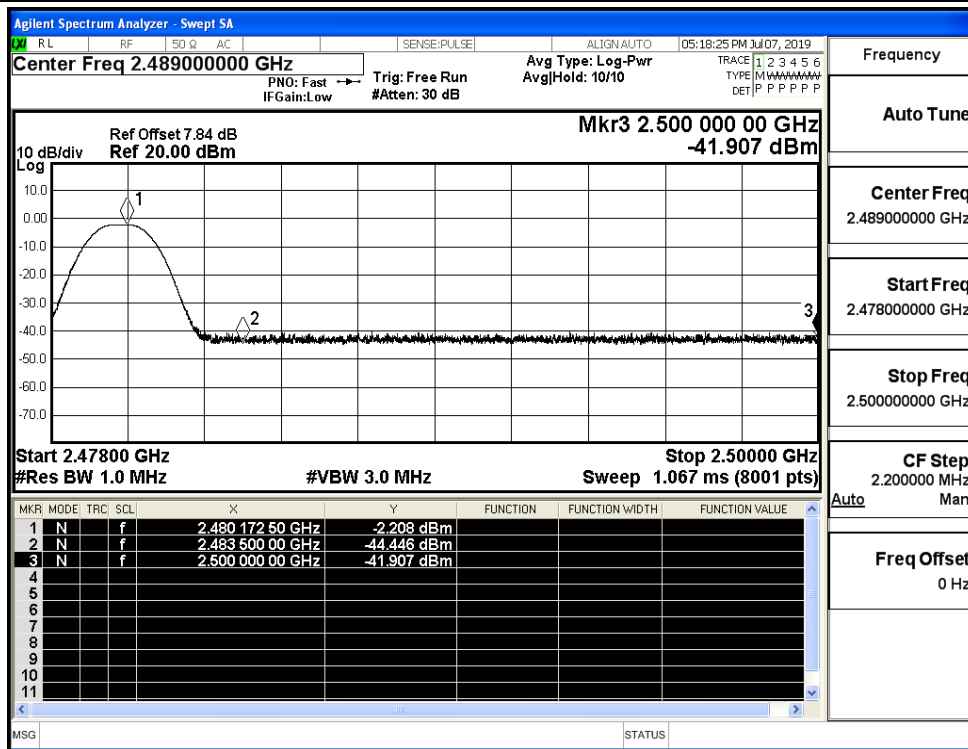
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

