

Appendix B

RF Test Data for BT V5.0(BLE) (Conducted Measurement)

Product Name: Bluetooth Earbuds With Charging Case

Trade Mark: N/A

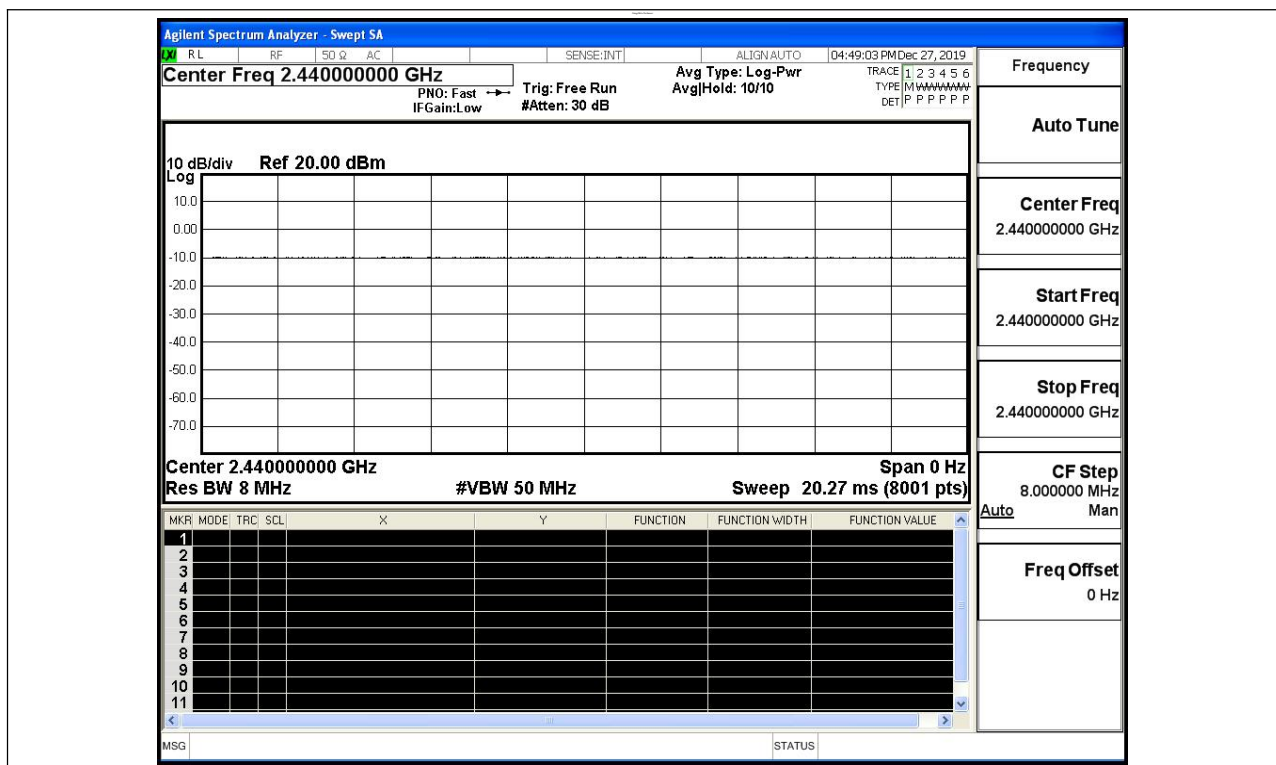
Test Model: DRIPZ

Environmental Conditions

Temperature:	24.3 ° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Scout Wu
Supervised by:	Wang Chuang

B.1 Duty Cycle

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

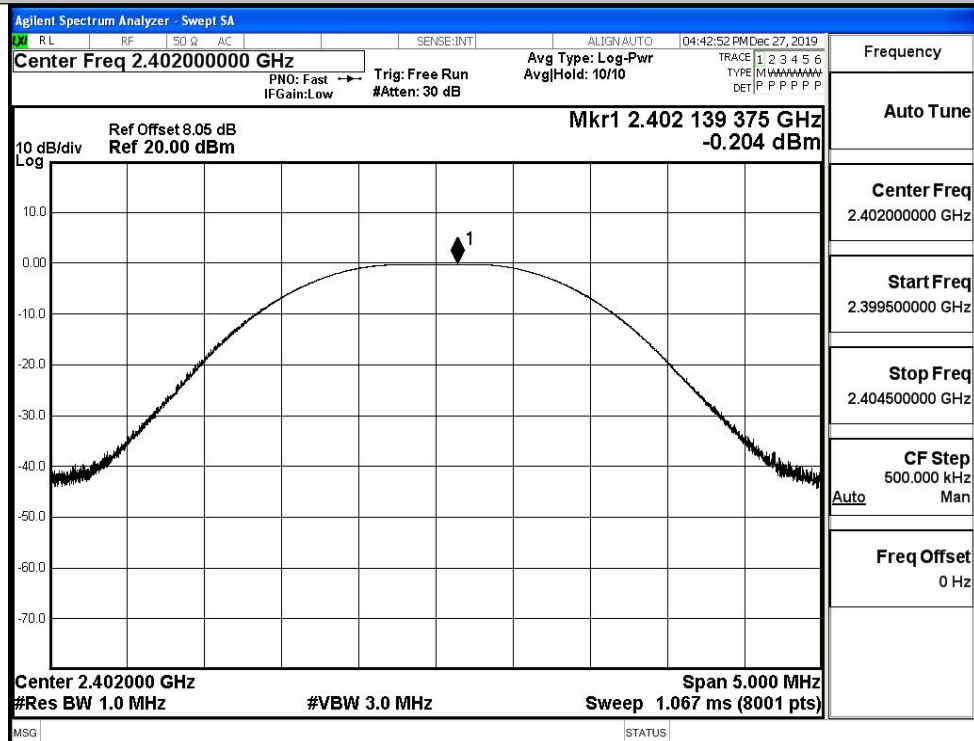


B.2 Maximum Conducted Peak Output Power

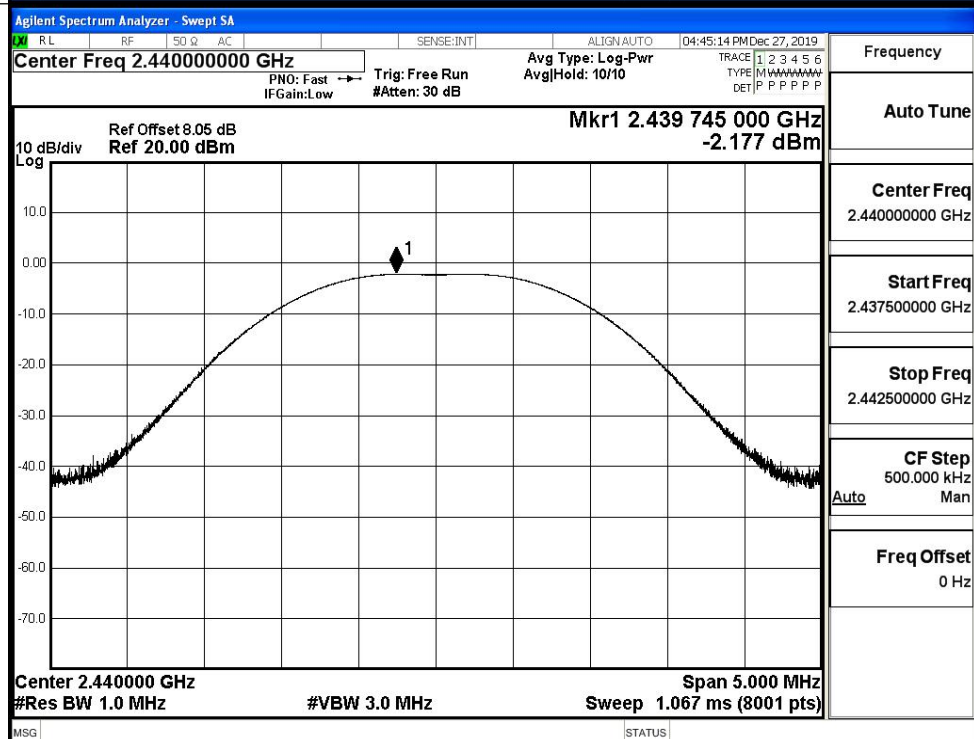
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.204	30	PASS
BT LE	MCH	-2.177	30	PASS
BT LE	HCH	-0.923	30	PASS

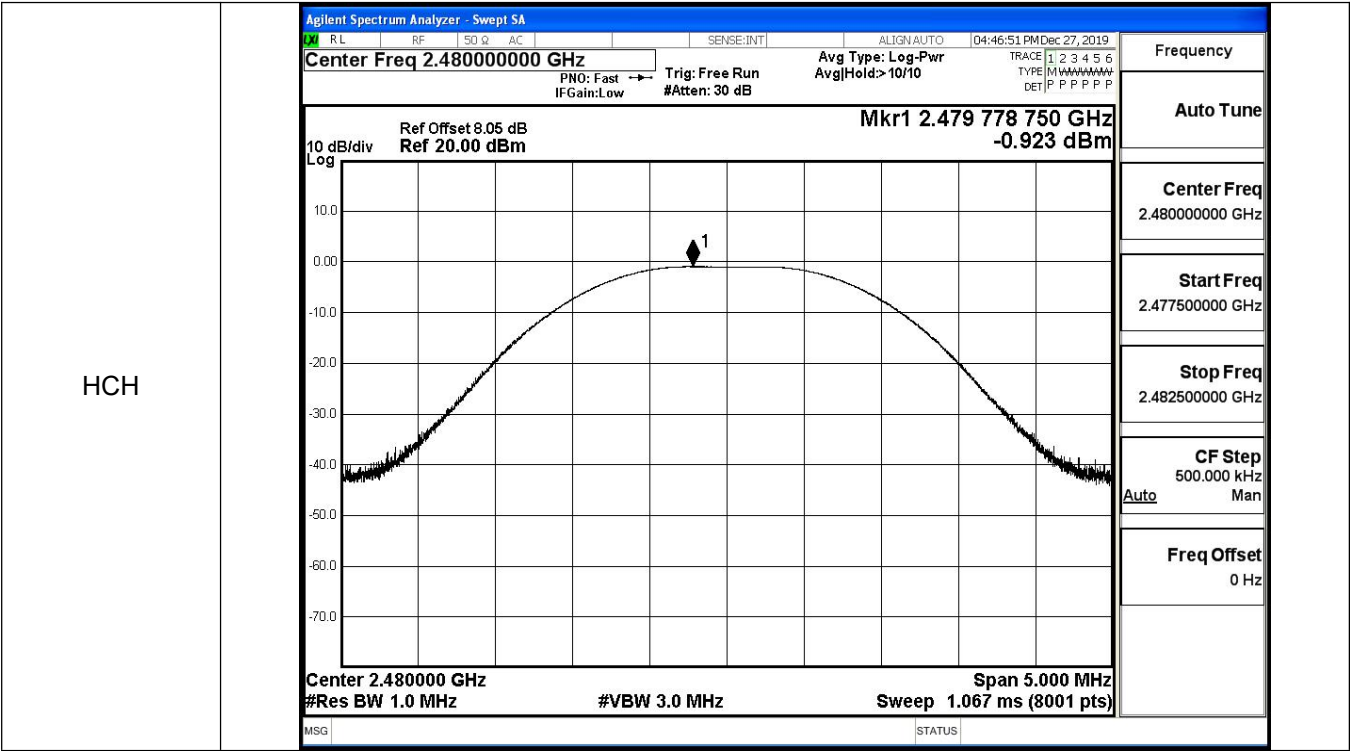
Test Graphs

LCH



MCH



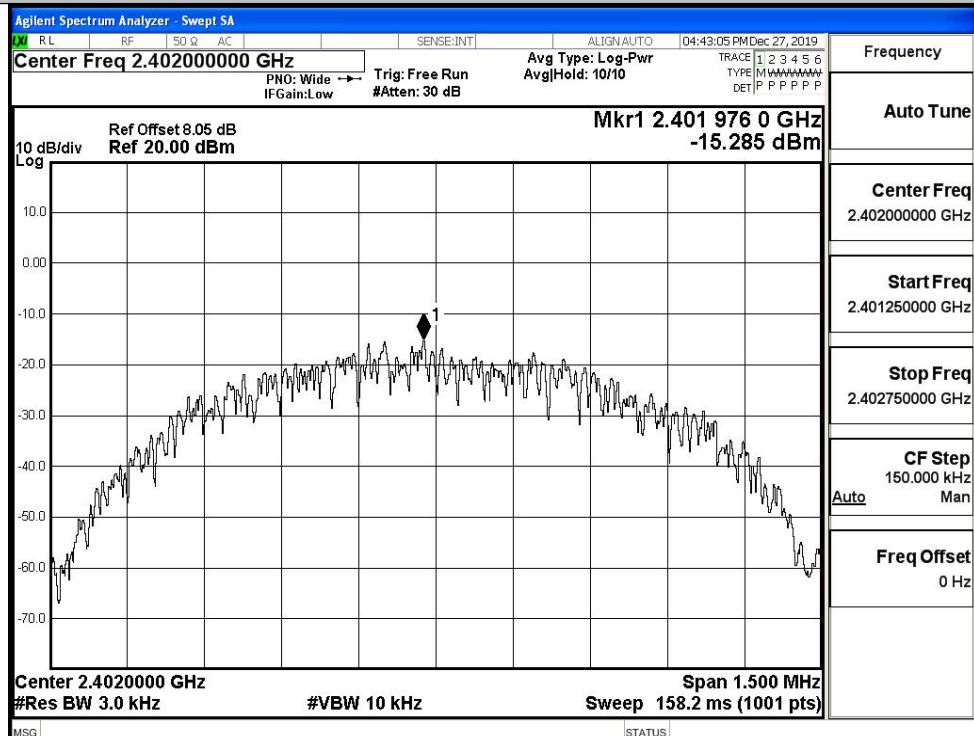


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.285	8	PASS
BT LE	MCH	-17.302	8	PASS
BT LE	HCH	-15.905	8	PASS

Test Graphs

LCH

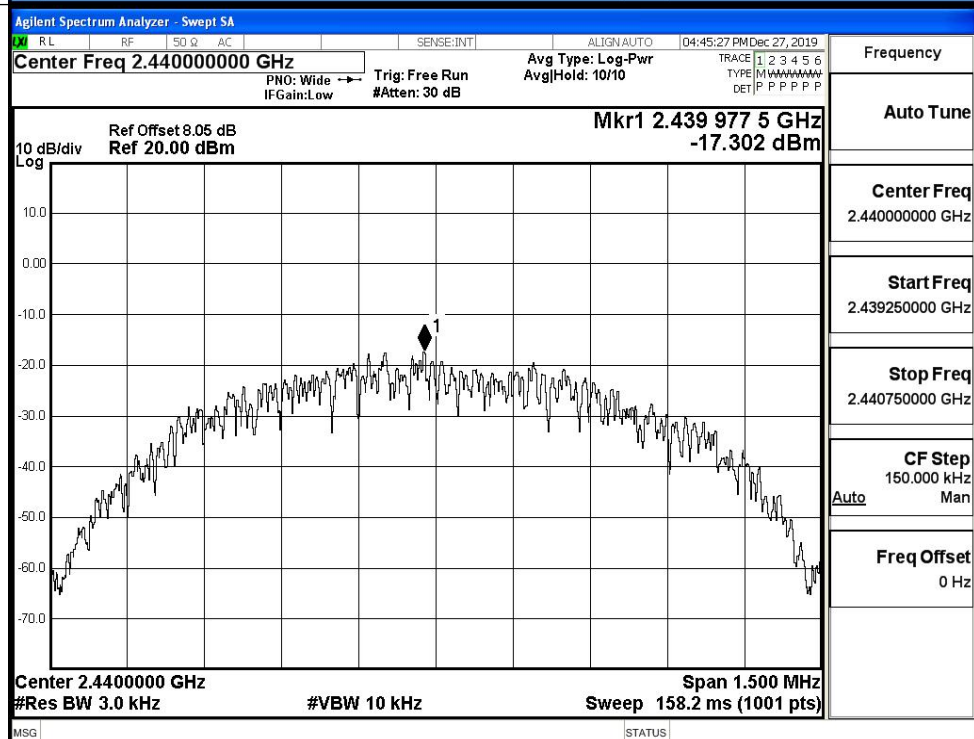


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

MCH

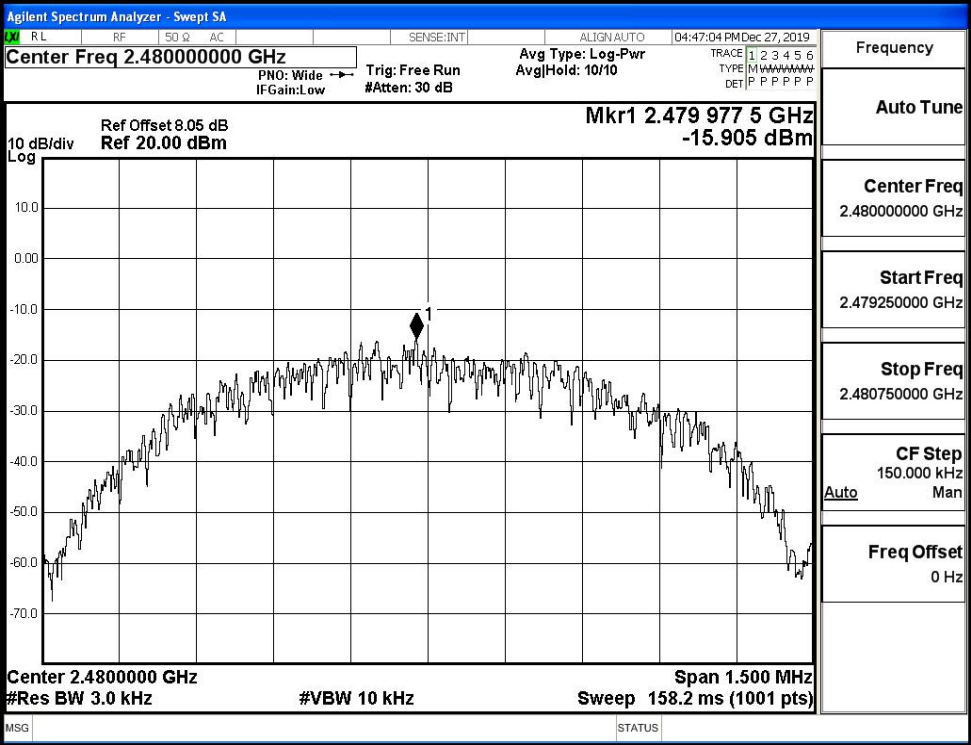


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

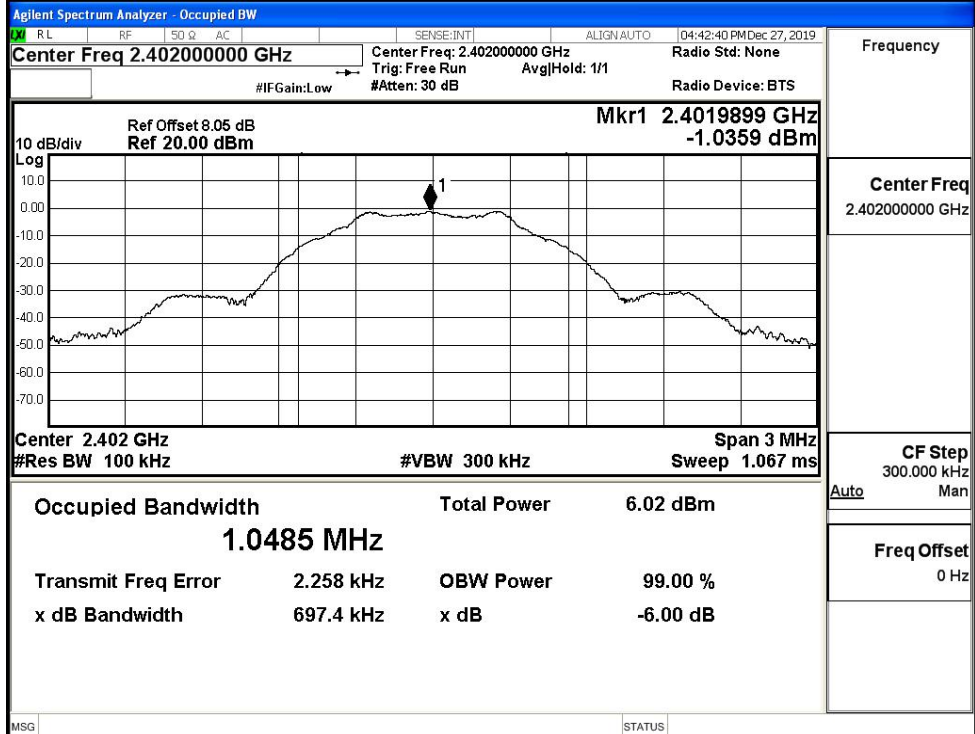


B.4 6dB Bandwidth

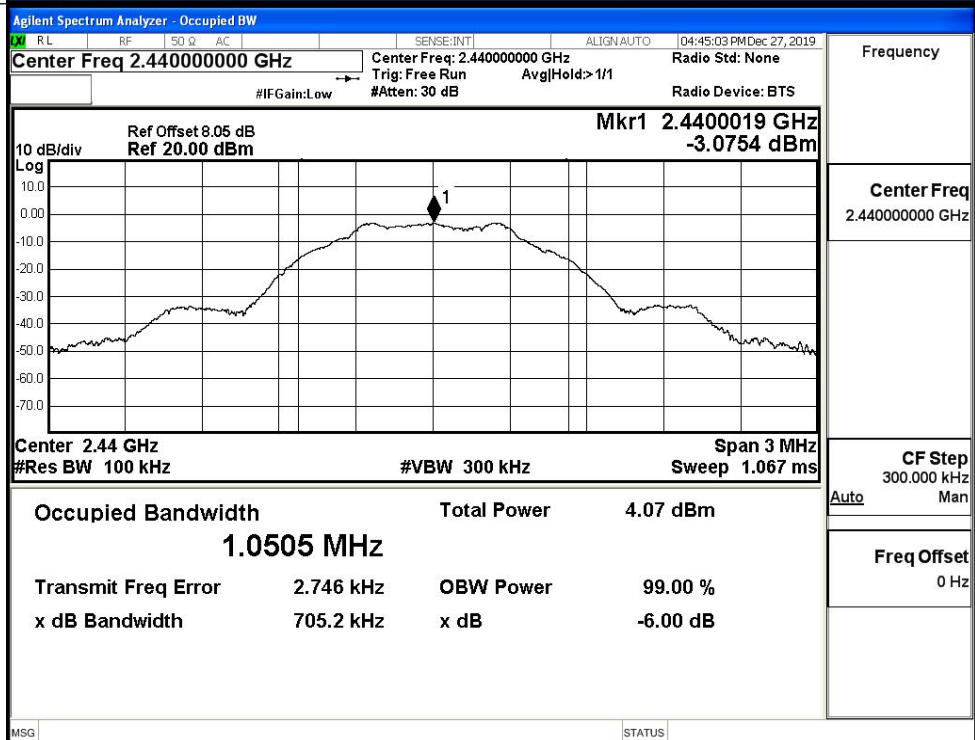
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6974	≥ 0.5	PASS
BT LE	MCH	0.7052	≥ 0.5	PASS
BT LE	HCH	0.7009	≥ 0.5	PASS

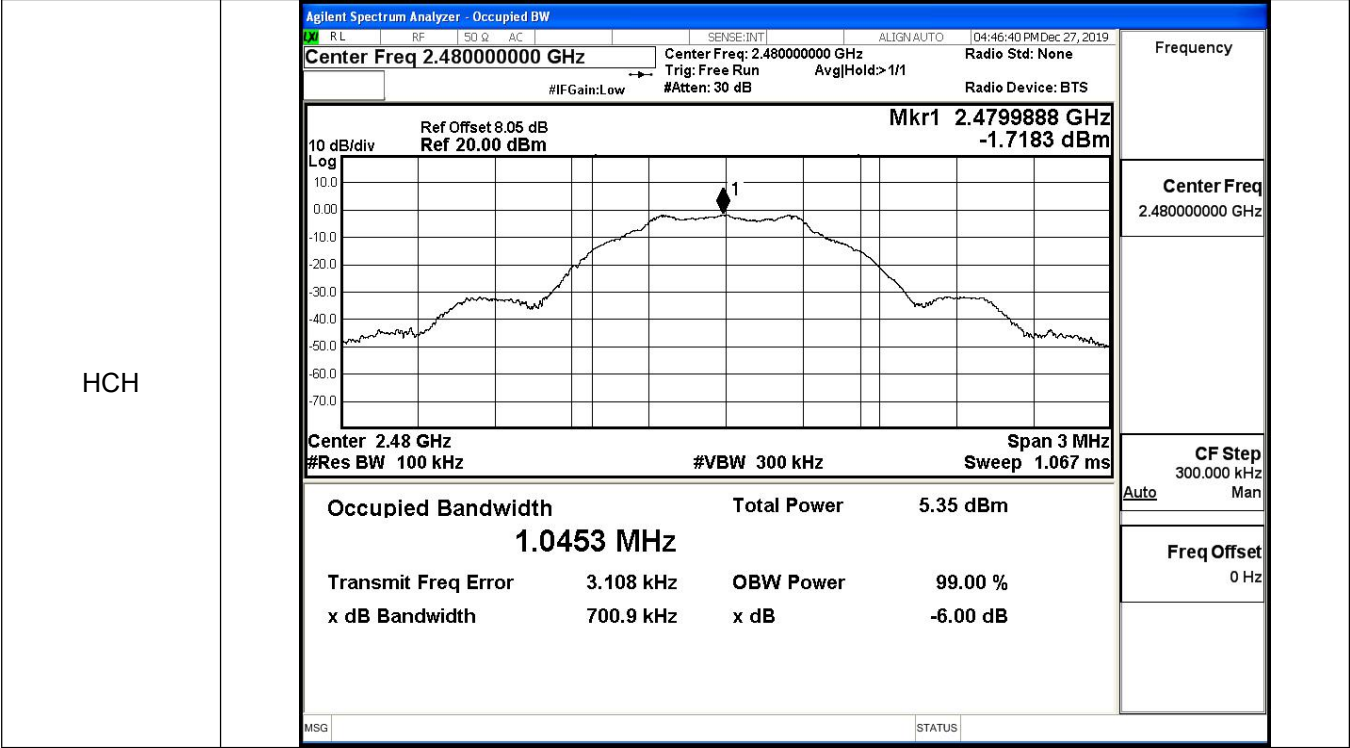
Test Graphs

LCH



MCH

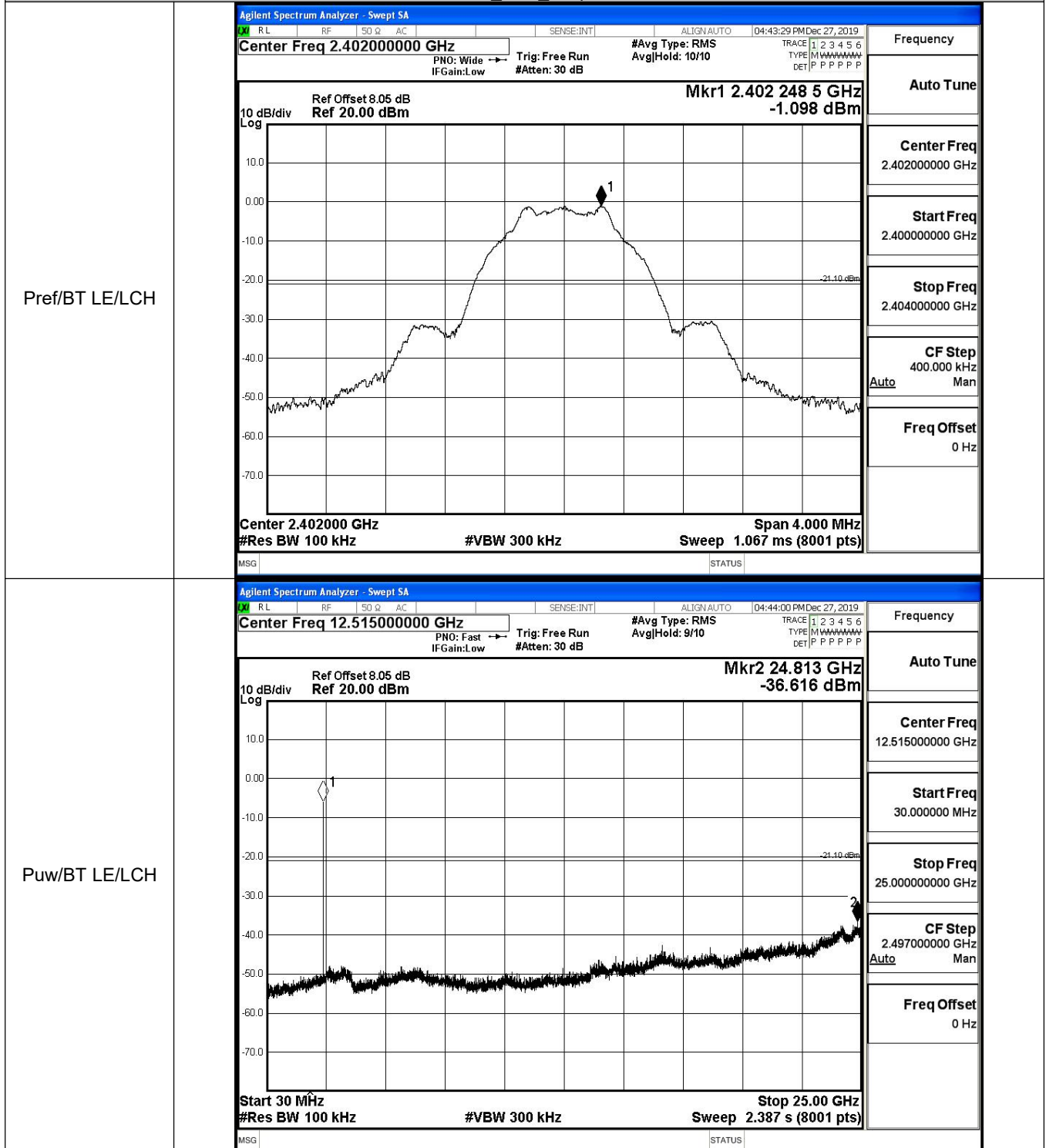




B.5 RF Conducted Spurious Emissions

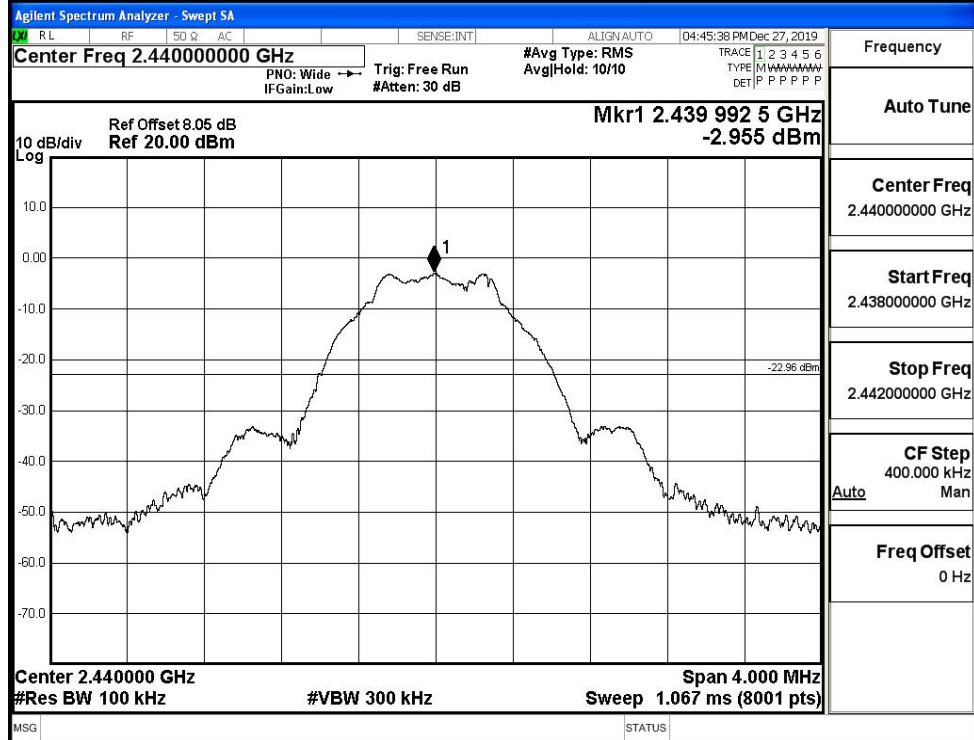
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.098	-36.616	-21.098	PASS
BT LE	MCH	-2.955	-37.240	-22.955	PASS
BT LE	HCH	-1.715	-36.742	-21.715	PASS

BT LE_LCH_Graphs

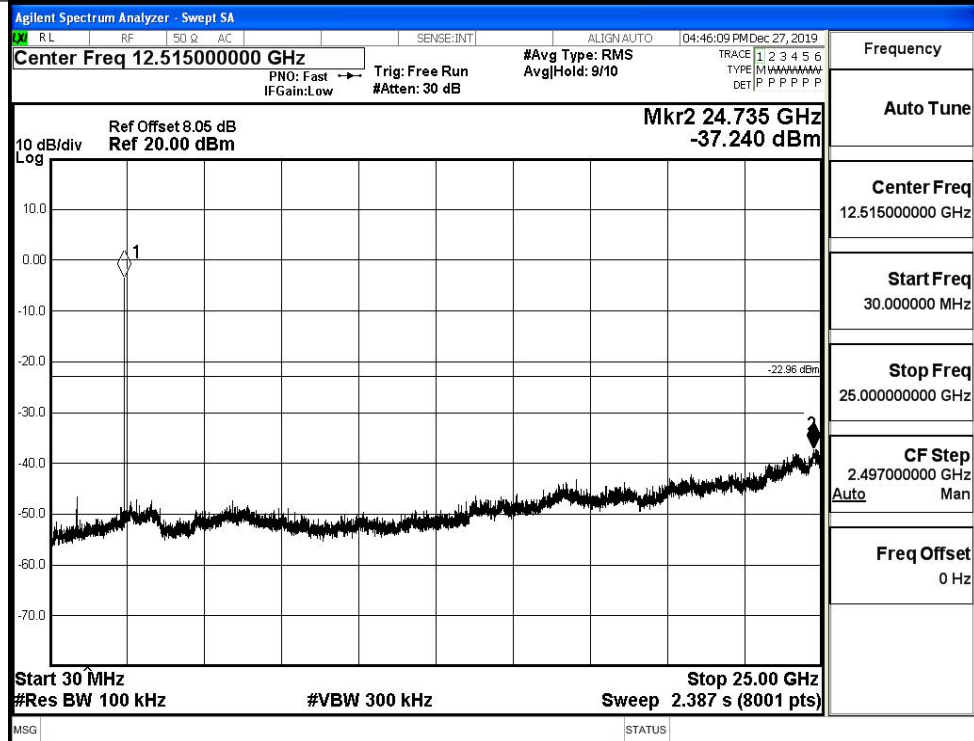


BT LE MCH Graphs

Pref/BT LE/MCH

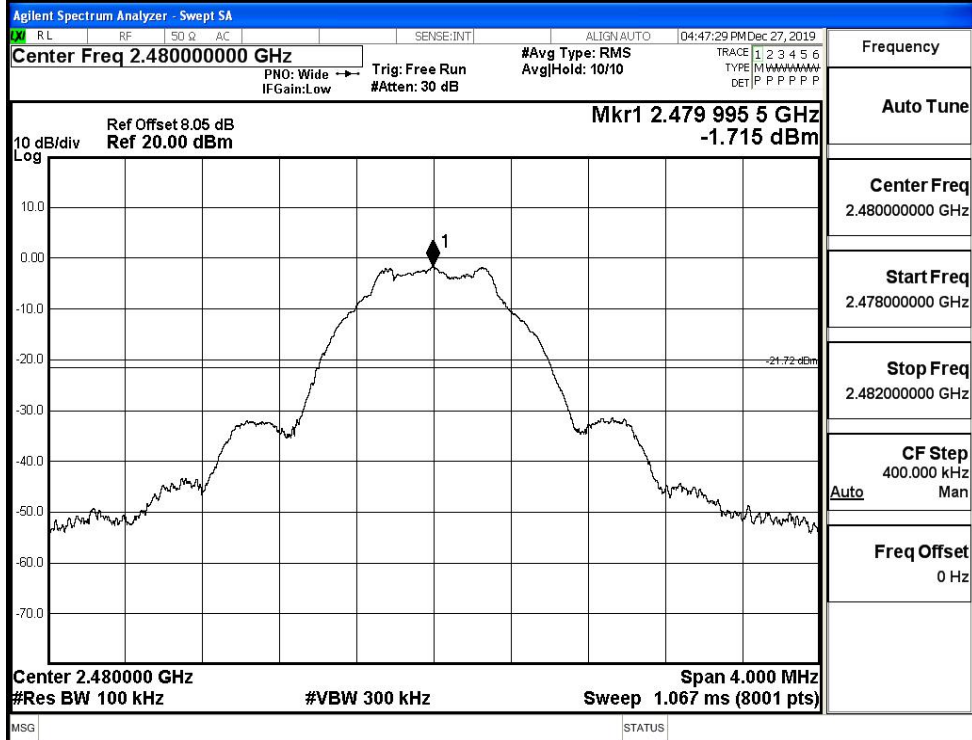


Puw/BT LE/MCH

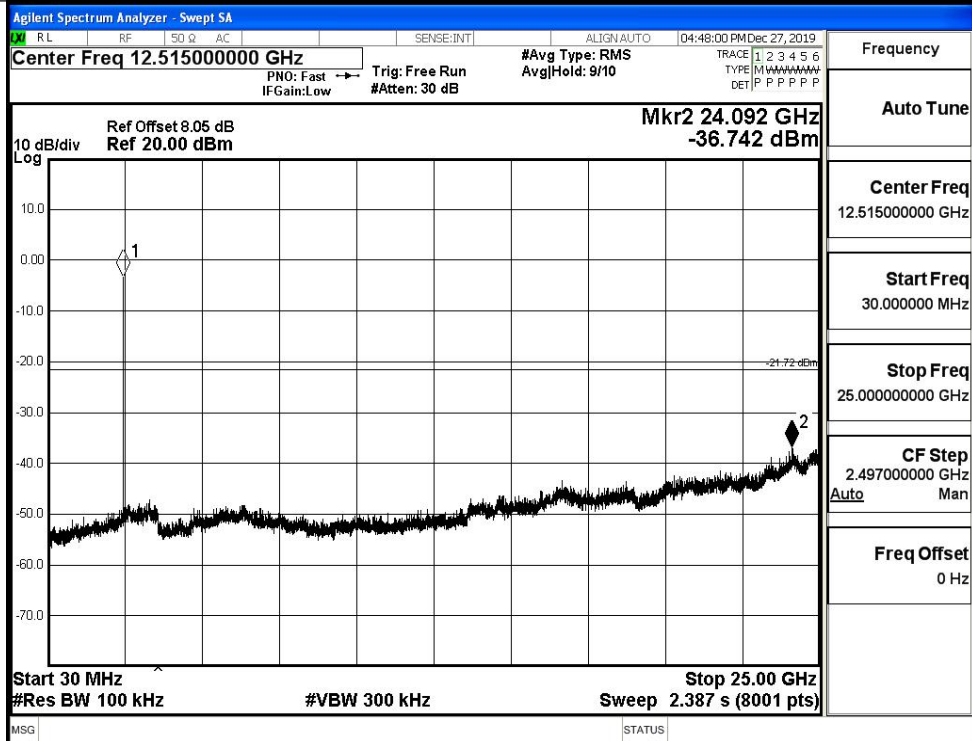


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

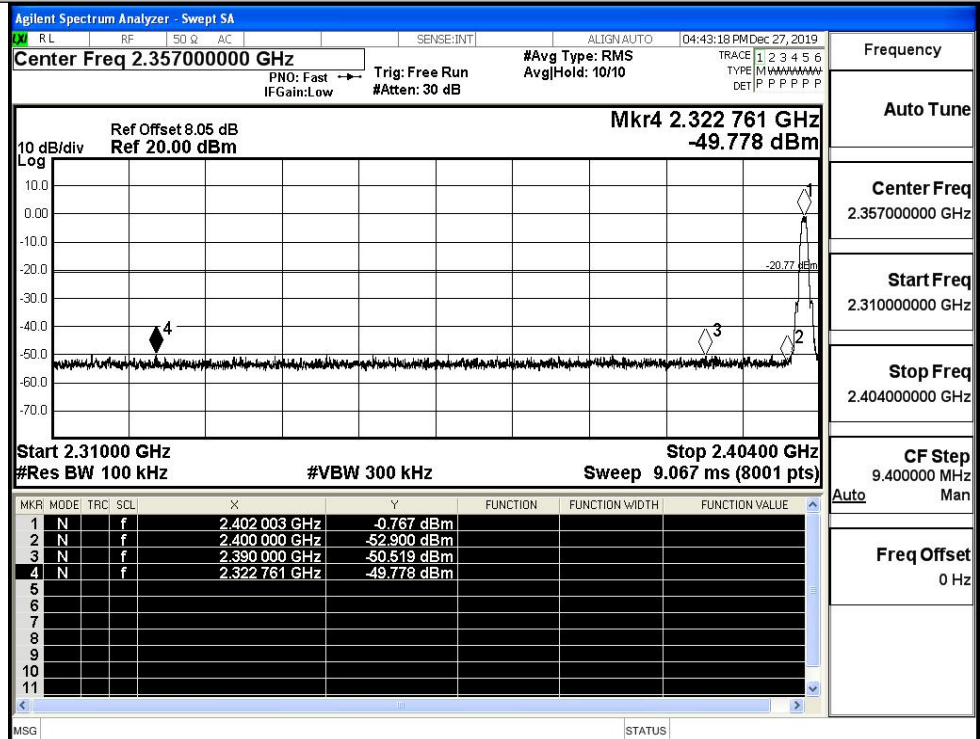


B.6 Band-edge for RF Conducted Emissions

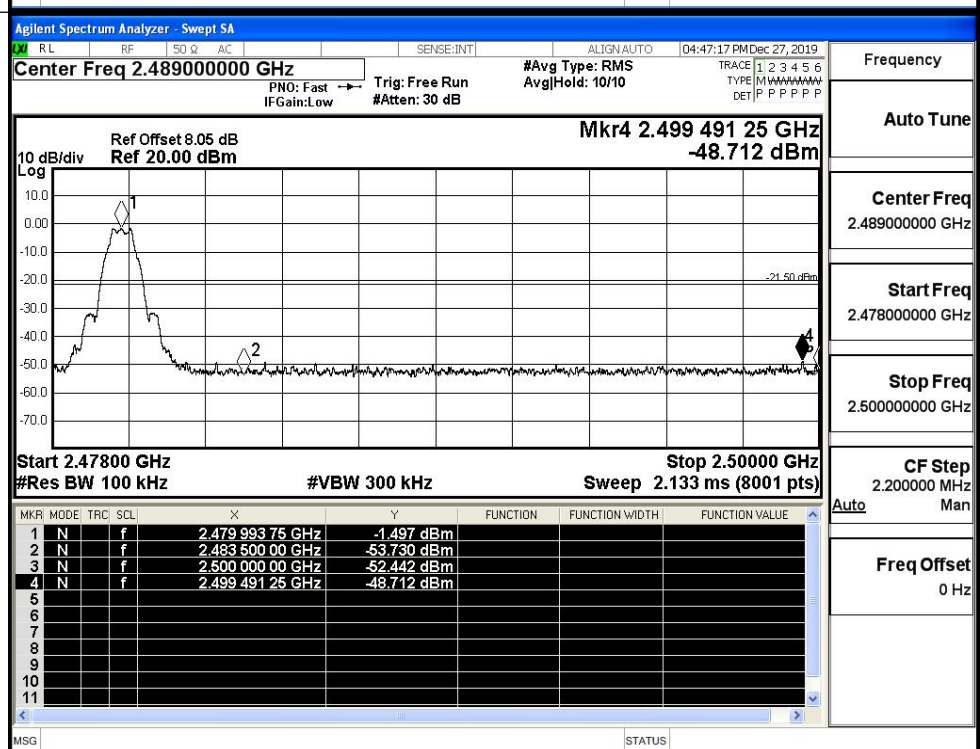
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.767	-49.778	-20.77	PASS
BT LE	HCH	-1.497	-48.712	-21.5	PASS

Test Graphs

LCH



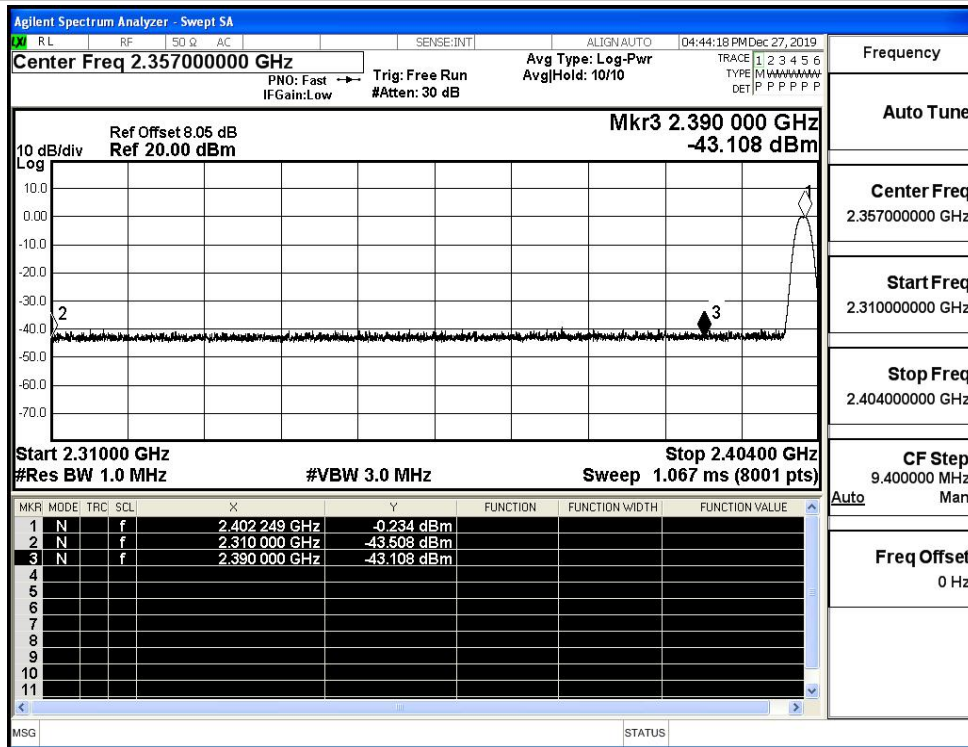
HCH



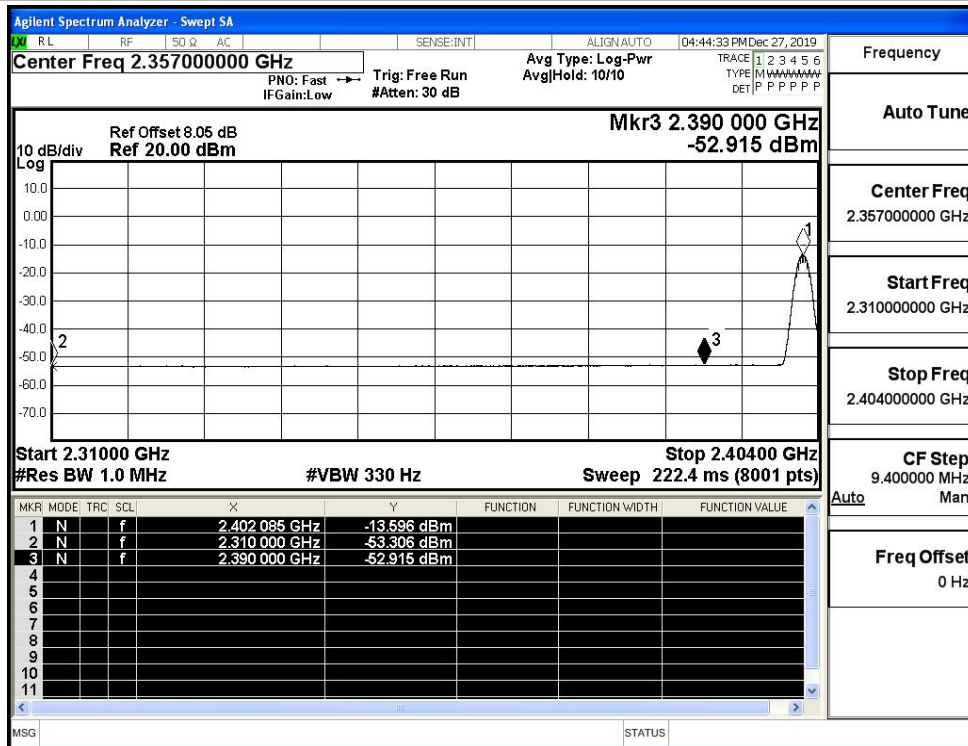
B.7 Restrict-band band-edge measurements

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	-43.51	2.0	0	53.75	PEAK	74	PASS
		Ant1	2310.0	-53.31	2.0	0	43.95	AV	54	PASS
		Ant1	2390.0	-43.11	2.0	0	54.15	PEAK	74	PASS
		Ant1	2390.0	-52.92	2.0	0	44.34	AV	54	PASS
	2480	Ant1	2483.5	-42.62	2.0	0	54.64	PEAK	74	PASS
		Ant1	2483.5	-52.50	2.0	0	44.76	AV	54	PASS
		Ant1	2500.0	-41.73	2.0	0	55.53	PEAK	74	PASS
		Ant1	2500.0	-52.18	2.0	0	45.07	AV	54	PASS

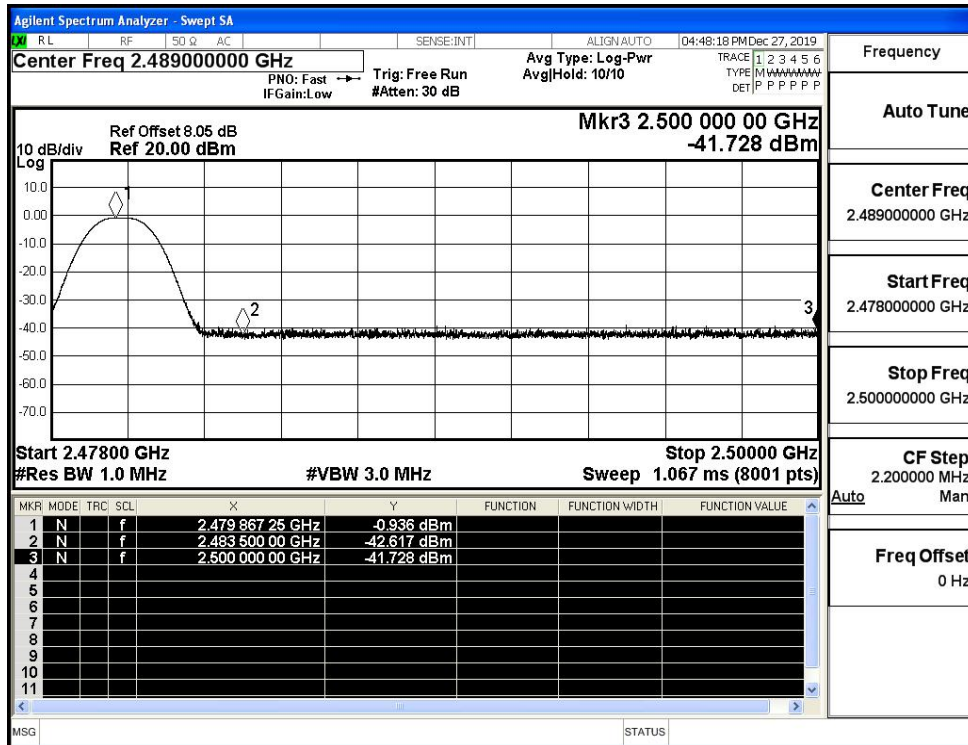
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

