

Appendix B

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

Product Name: Wireless Headphone

Trade Mark: Puro

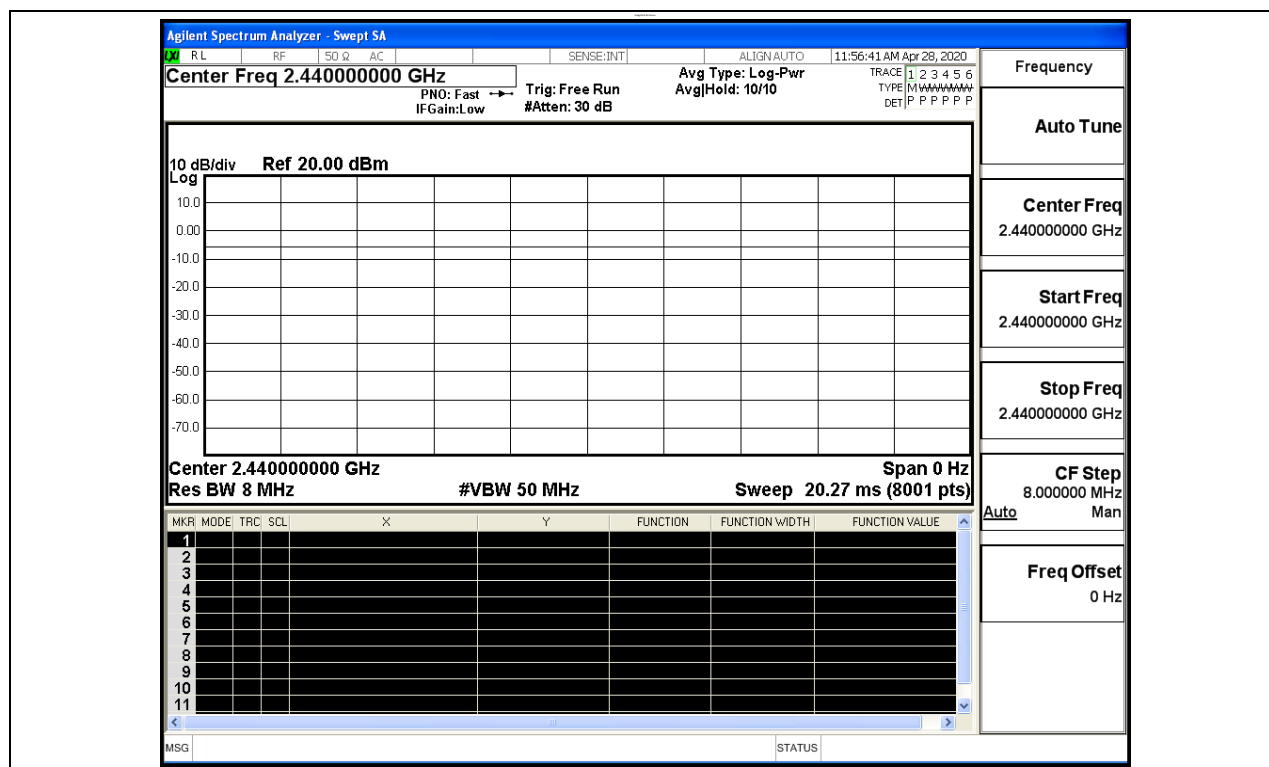
Test Model: Puropro

Environmental Conditions

Temperature:	23.9 ° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Li Huan

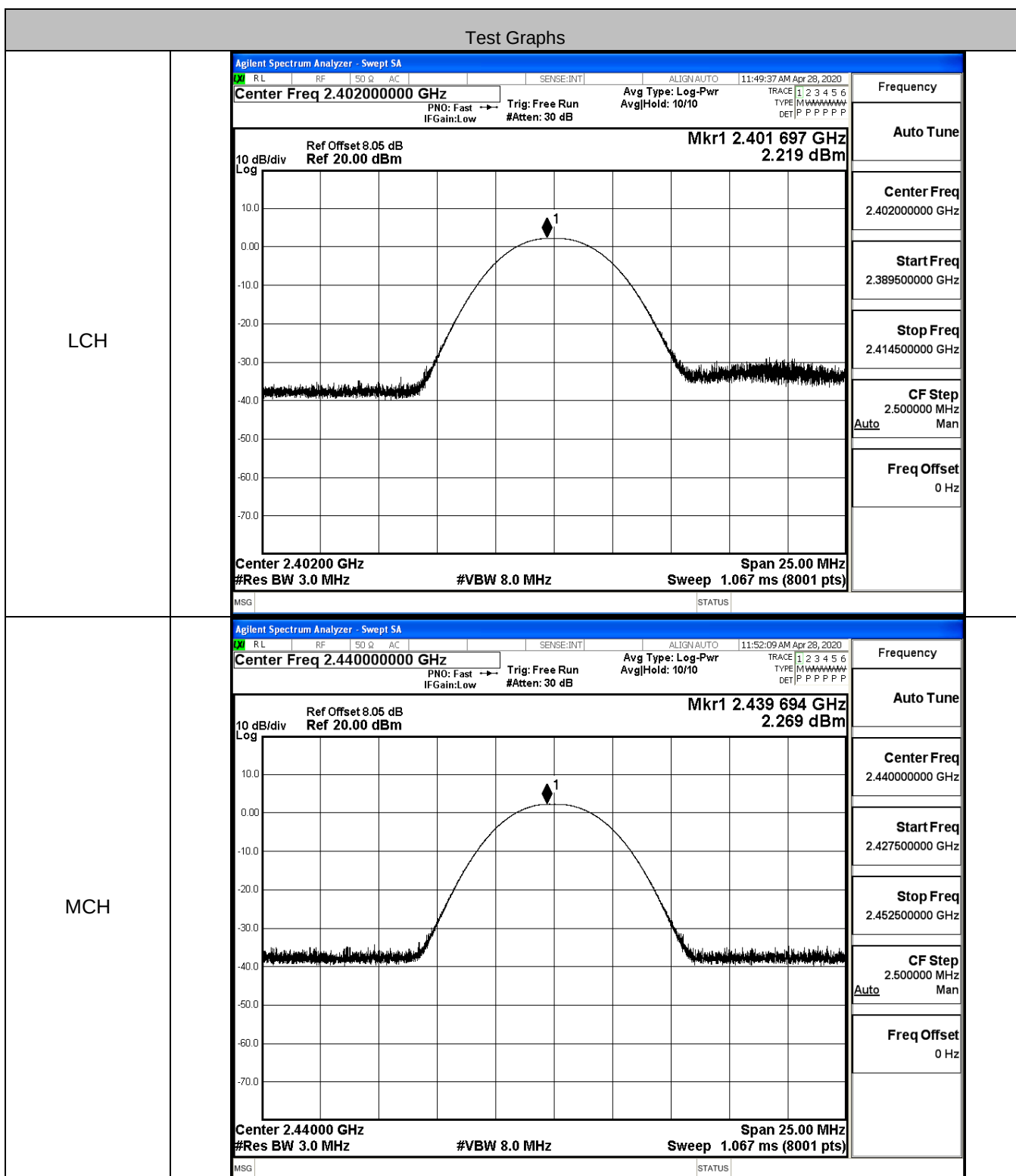
B.1 Duty Cycle

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

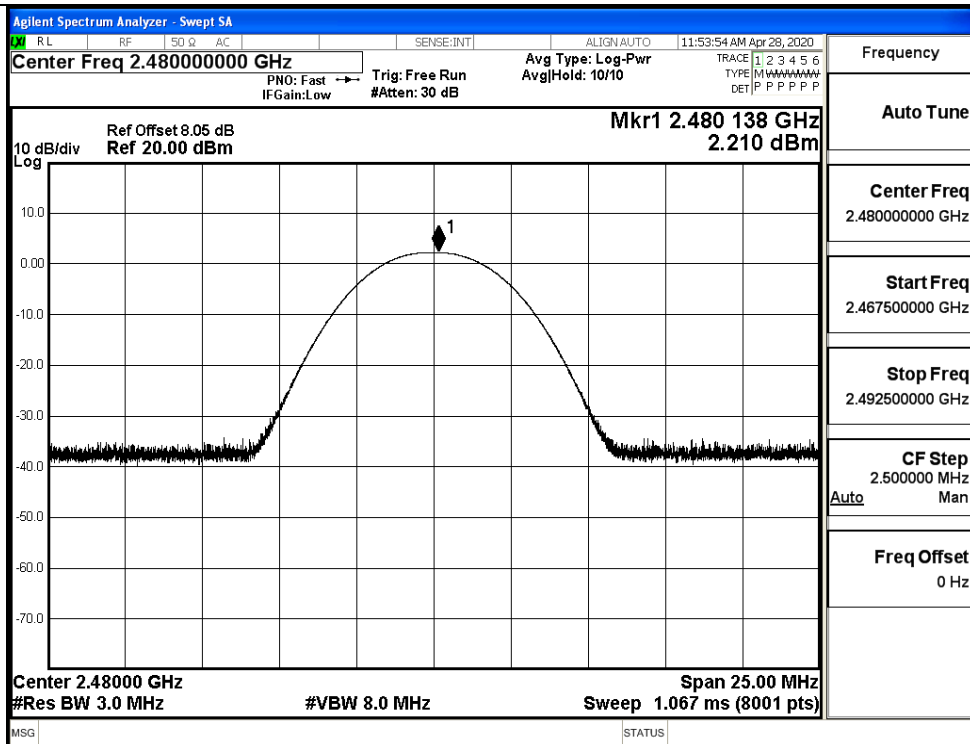


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.219	30	PASS
BT LE	MCH	2.269	30	PASS
BT LE	HCH	2.210	30	PASS



HCH

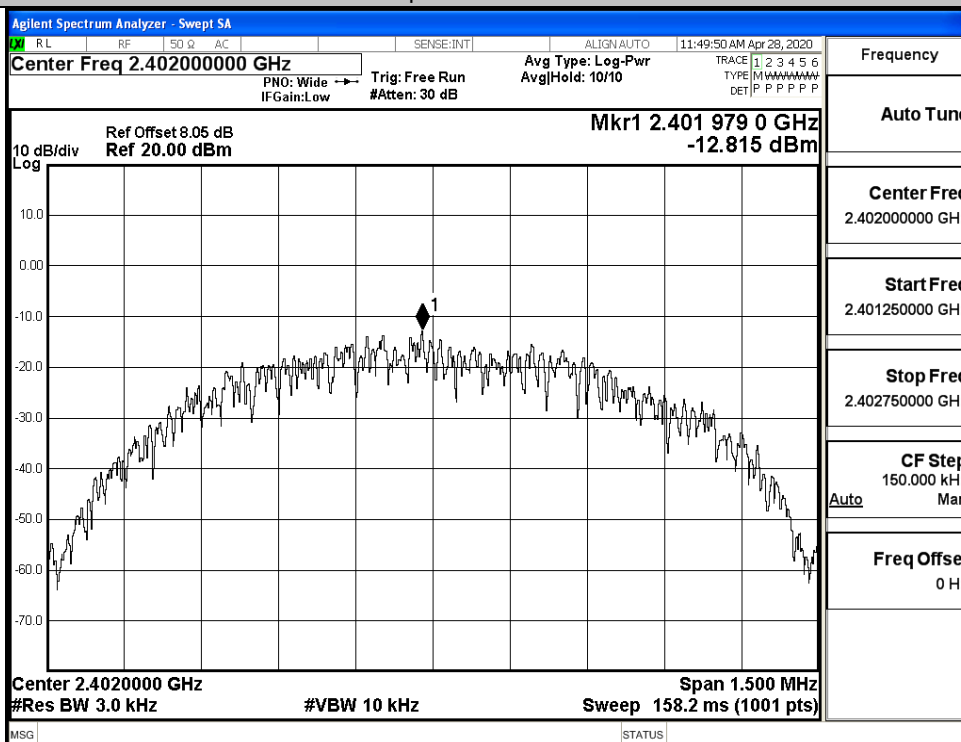


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-12.815	8	PASS
BT LE	MCH	-13.013	8	PASS
BT LE	HCH	-12.822	8	PASS

Test Graphs

LCH

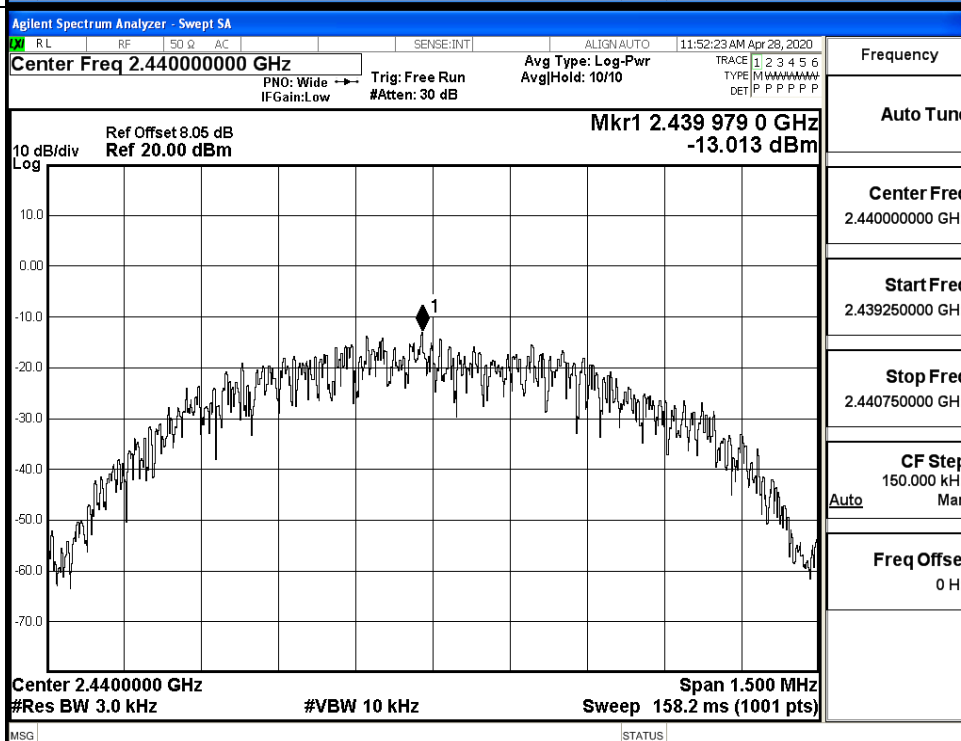


Frequency

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

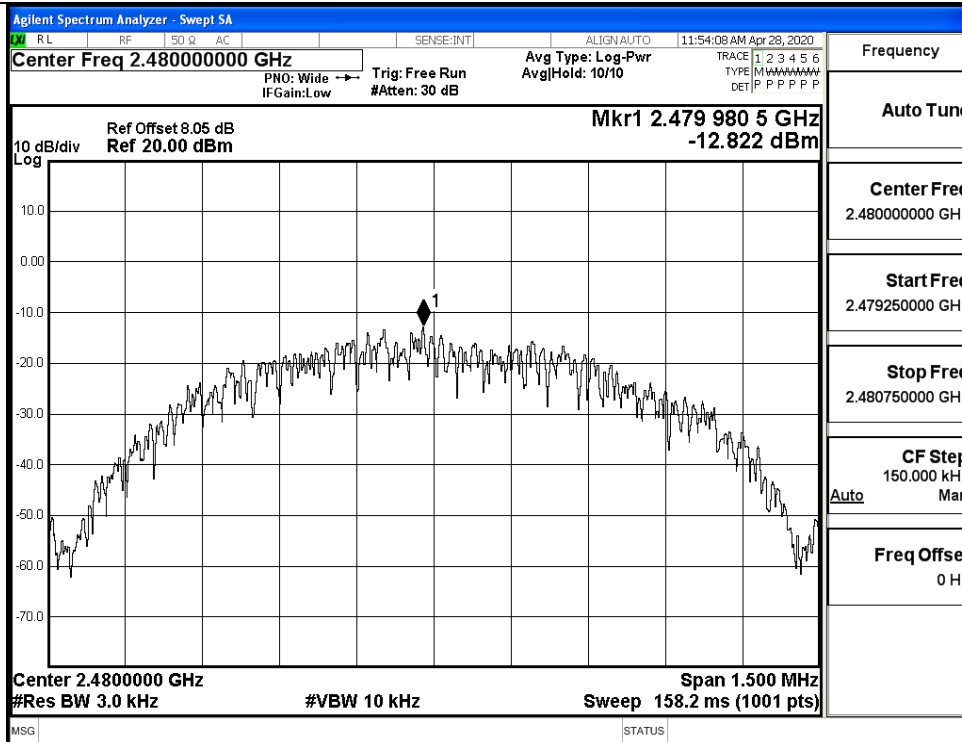


Frequency

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

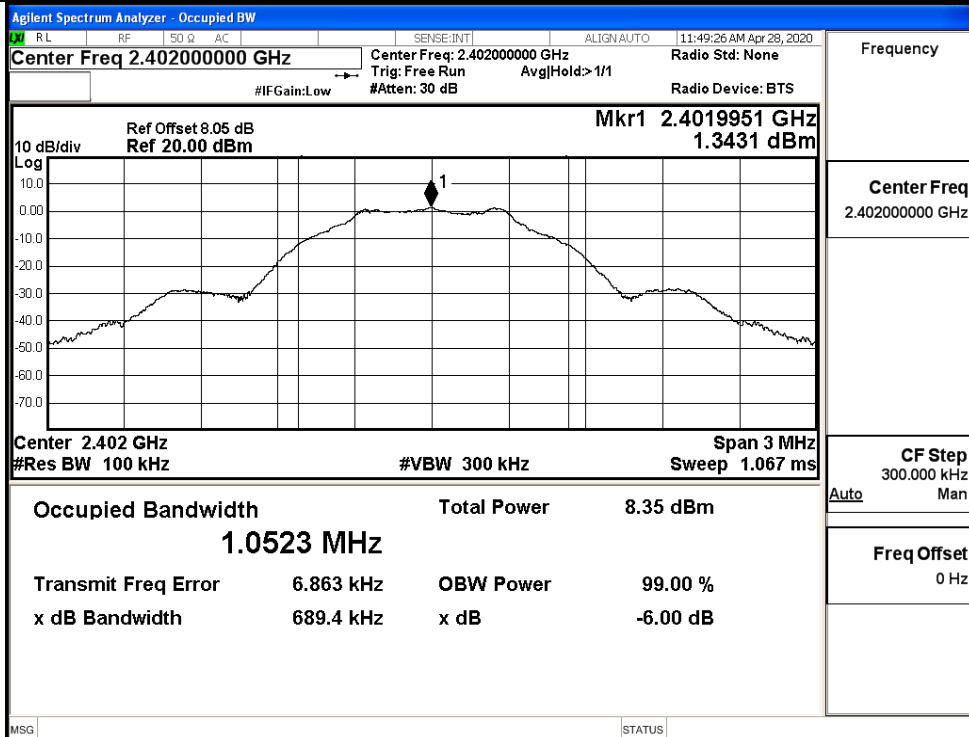


B.4 6dB Bandwidth

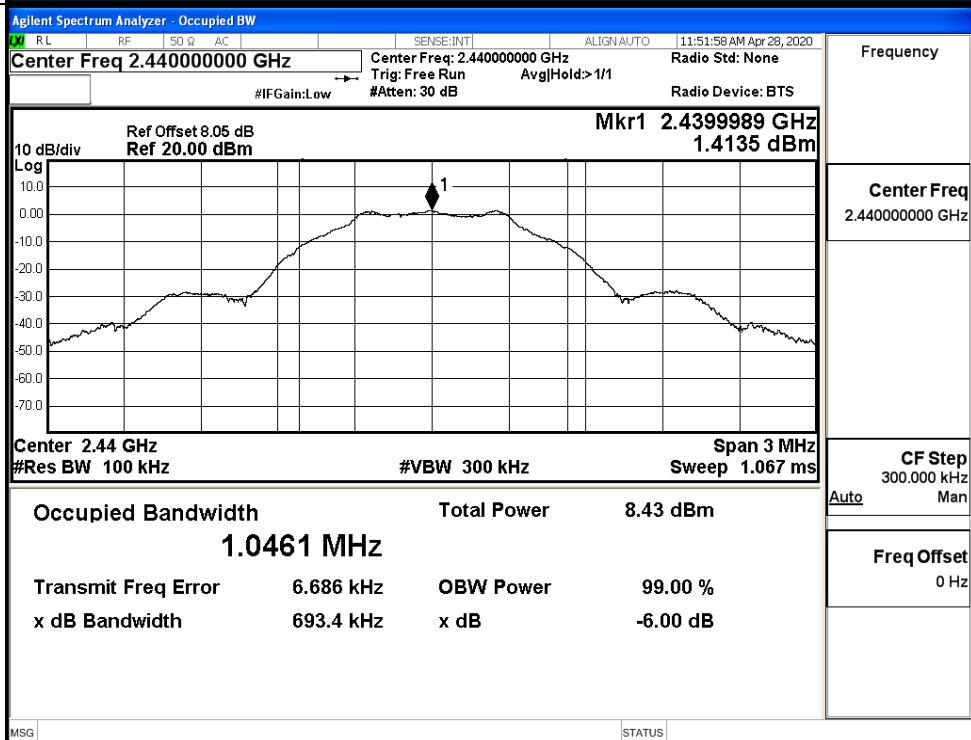
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6894	≥ 0.5	PASS
BT LE	MCH	0.6934	≥ 0.5	PASS
BT LE	HCH	0.6909	≥ 0.5	PASS

Test Graphs

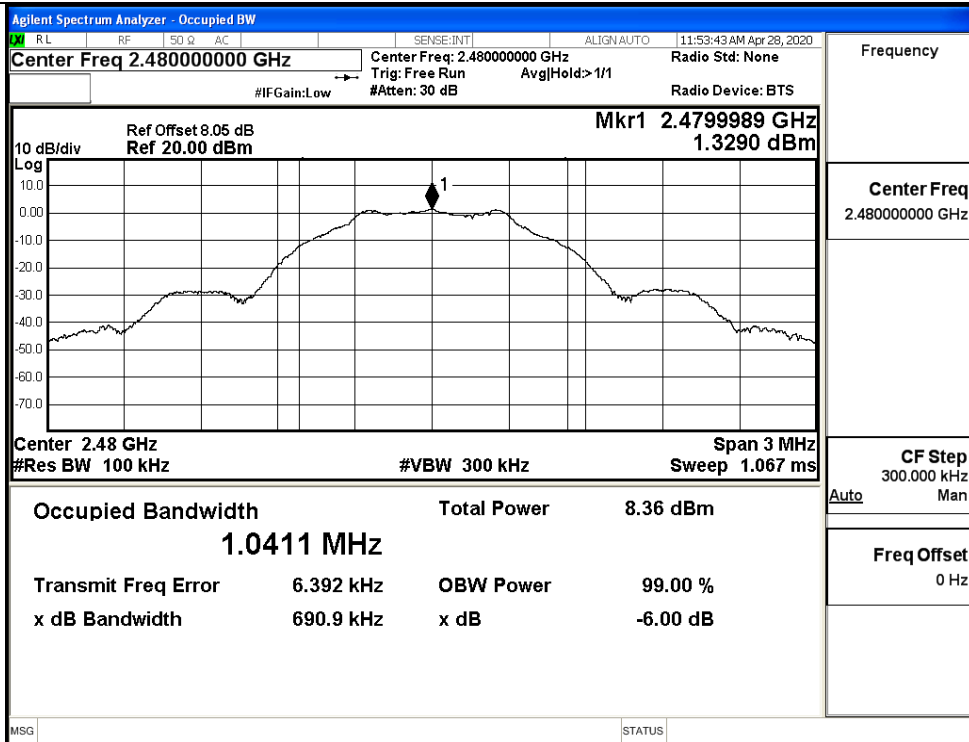
LCH



MCH



HCH

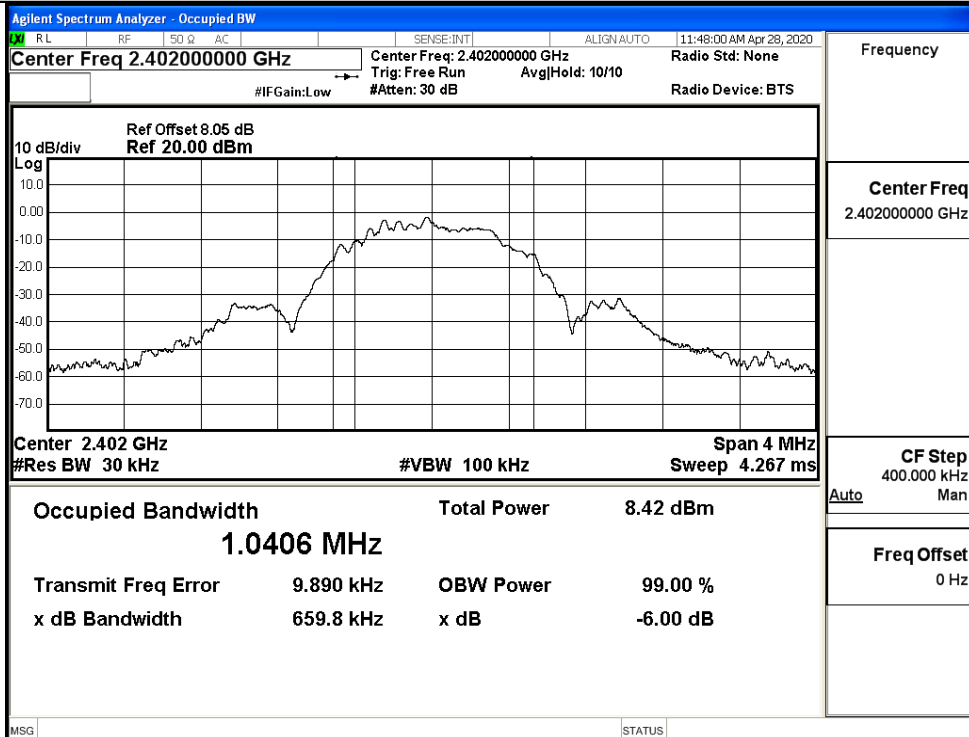


B.5 Occupied Bandwidth

Mode	Channel	Occupied Bandwidth [MHz]	Verdict
BT LE	LCH	1.0406	PASS
BT LE	MCH	1.0359	PASS
BT LE	HCH	1.0316	PASS

Test Graphs

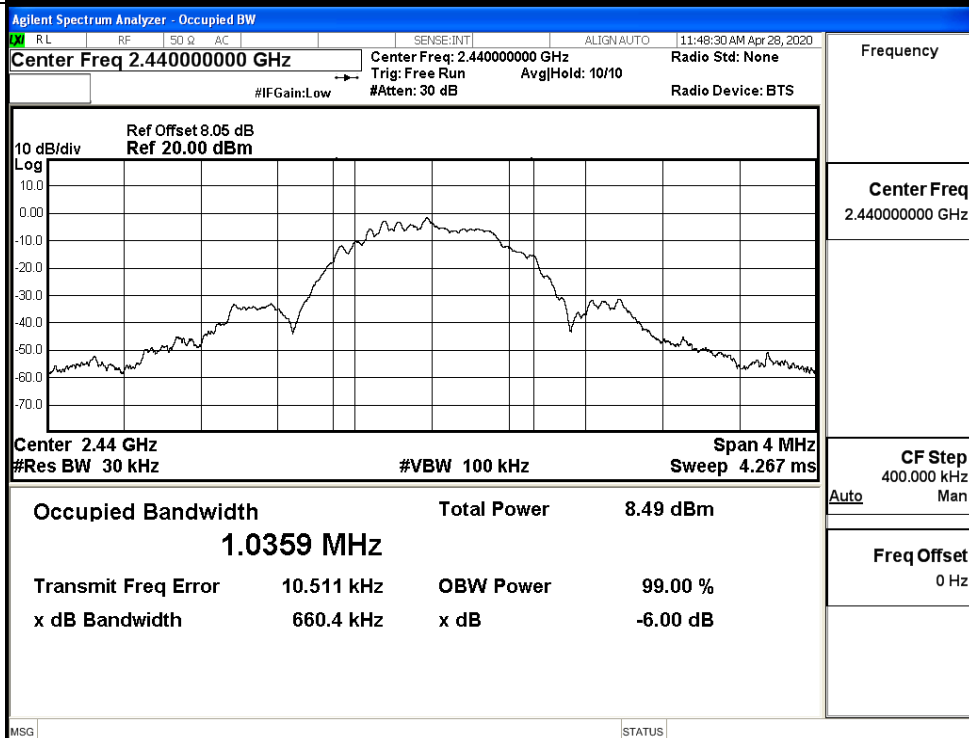
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
400.000 kHz
Auto ManFreq Offset
0 Hz

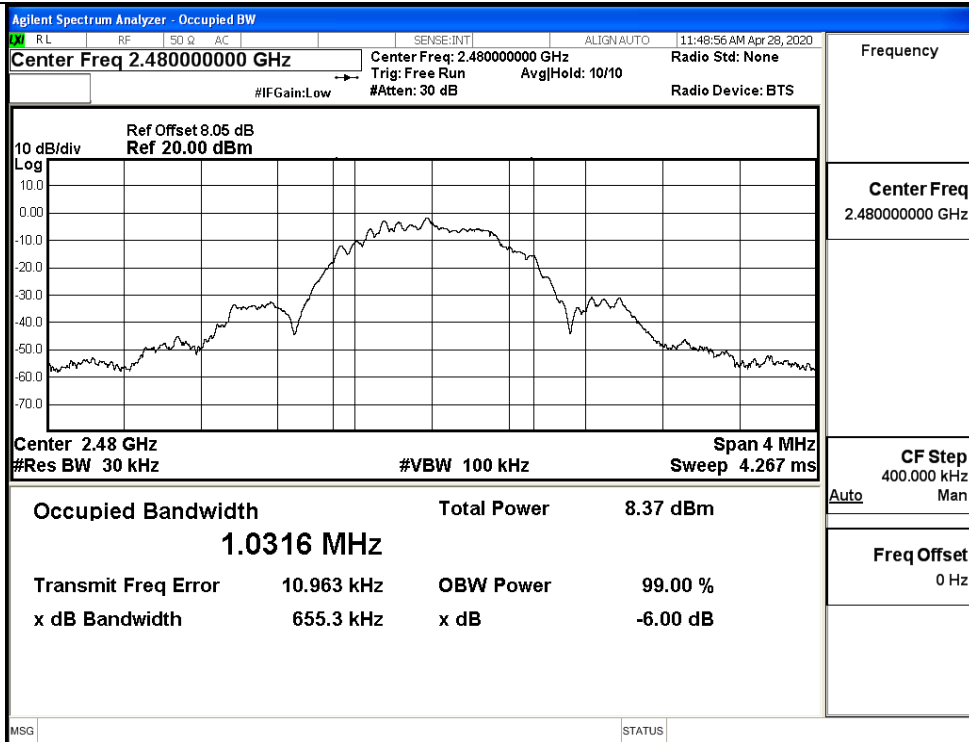
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
400.000 kHz
Auto ManFreq Offset
0 Hz

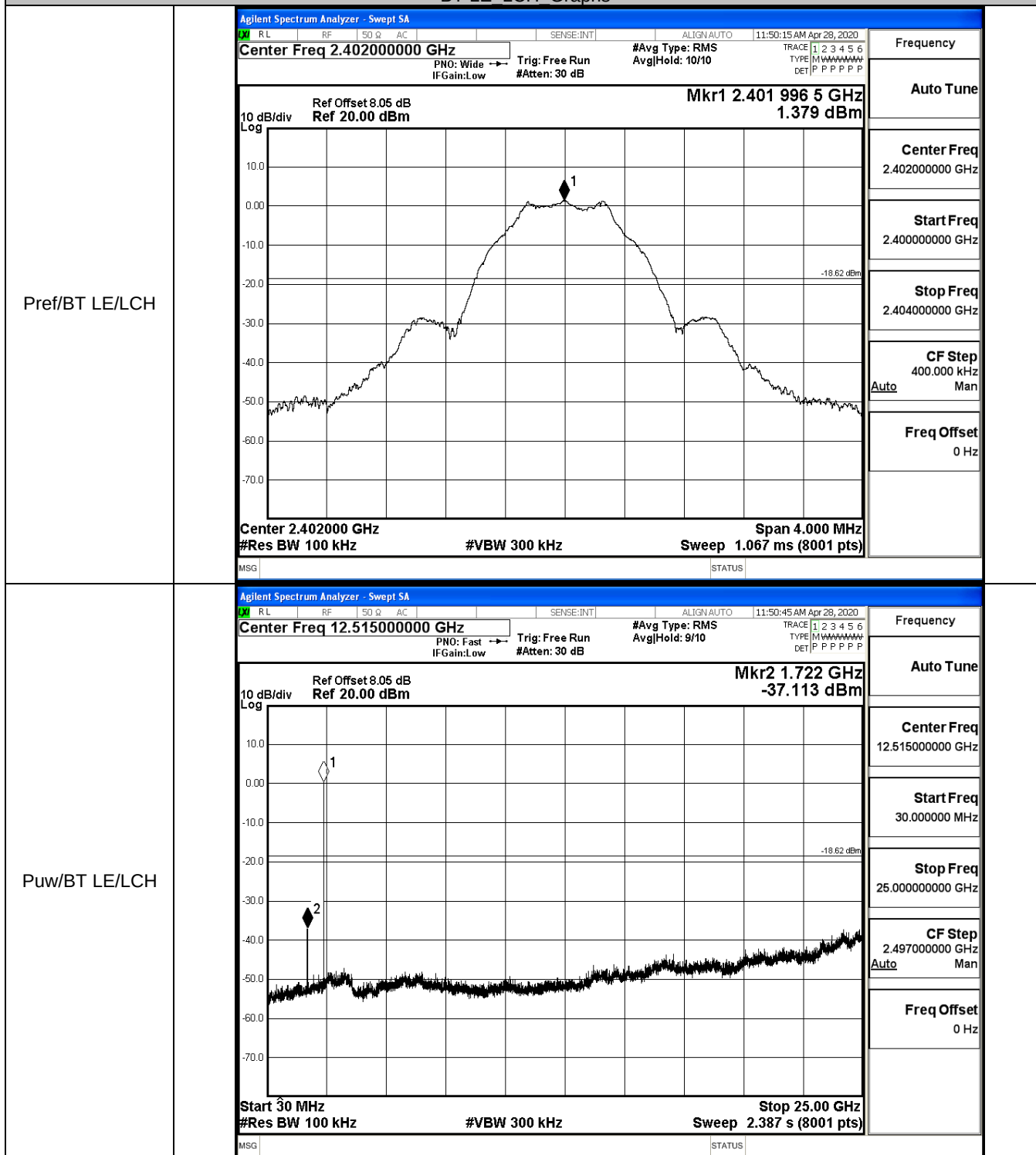
HCH



B.6 RF Conducted Spurious Emissions

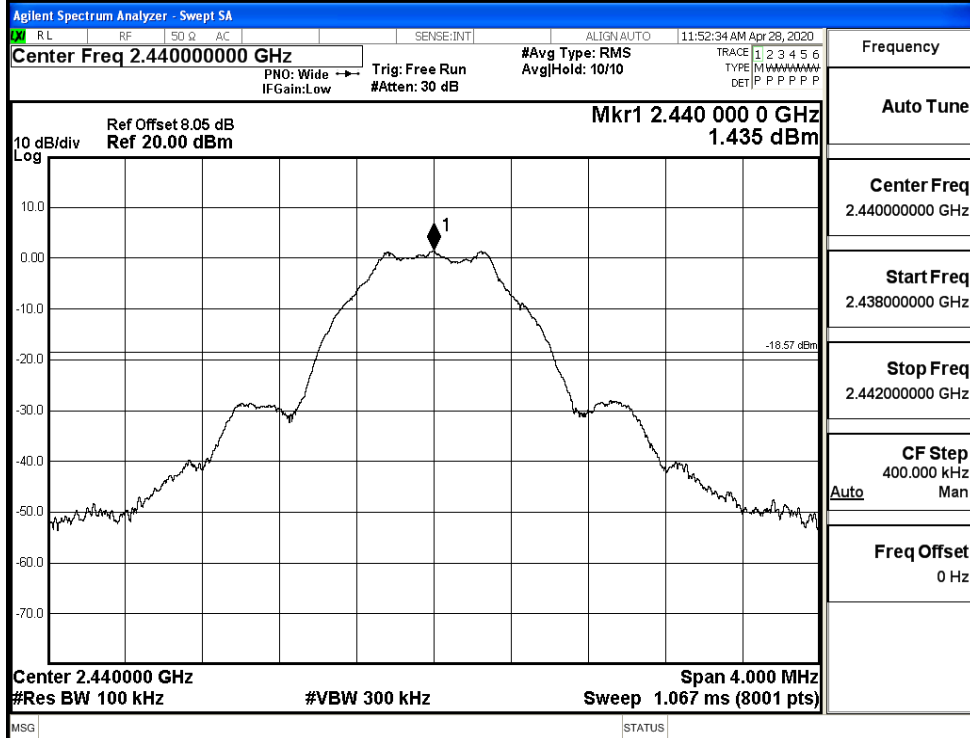
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.379	-37.113	-18.621	PASS
BT LE	MCH	1.435	-37.208	-18.565	PASS
BT LE	HCH	1.376	-37.044	-18.624	PASS

BT LE LCH Graphs

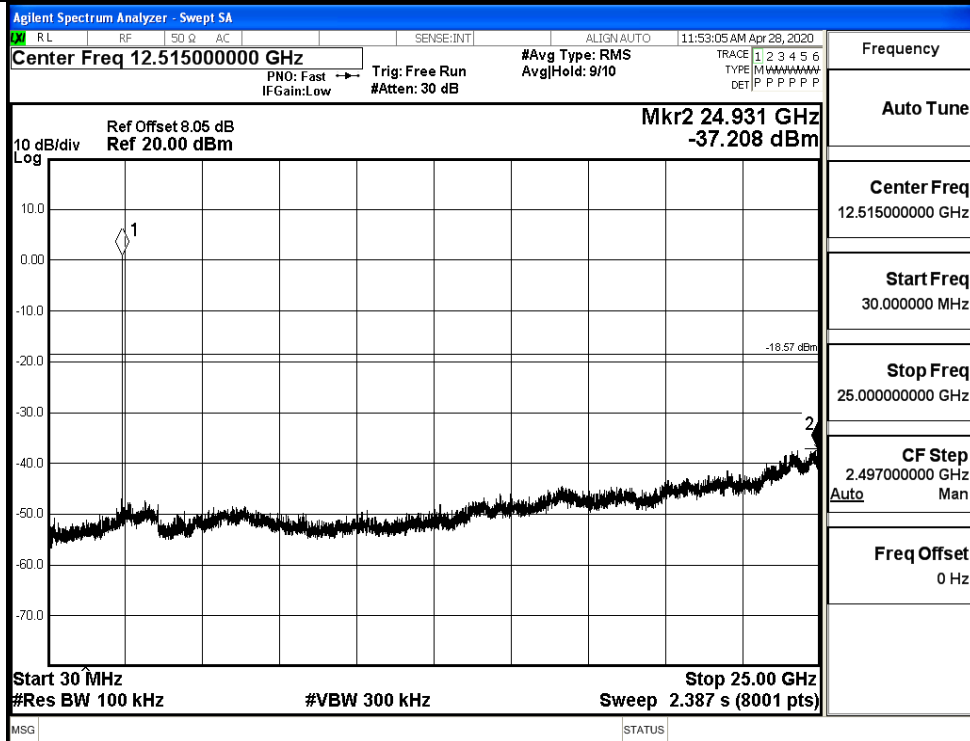


BT LE MCH Graphs

Pref/BT LE/MCH

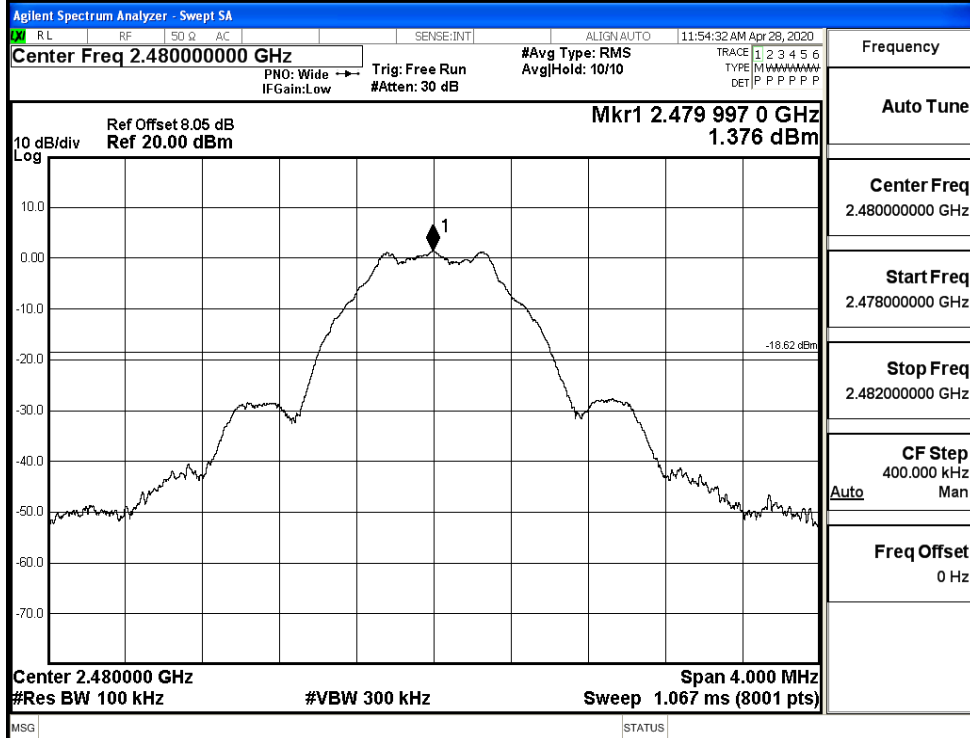


Puw/BT LE/MCH

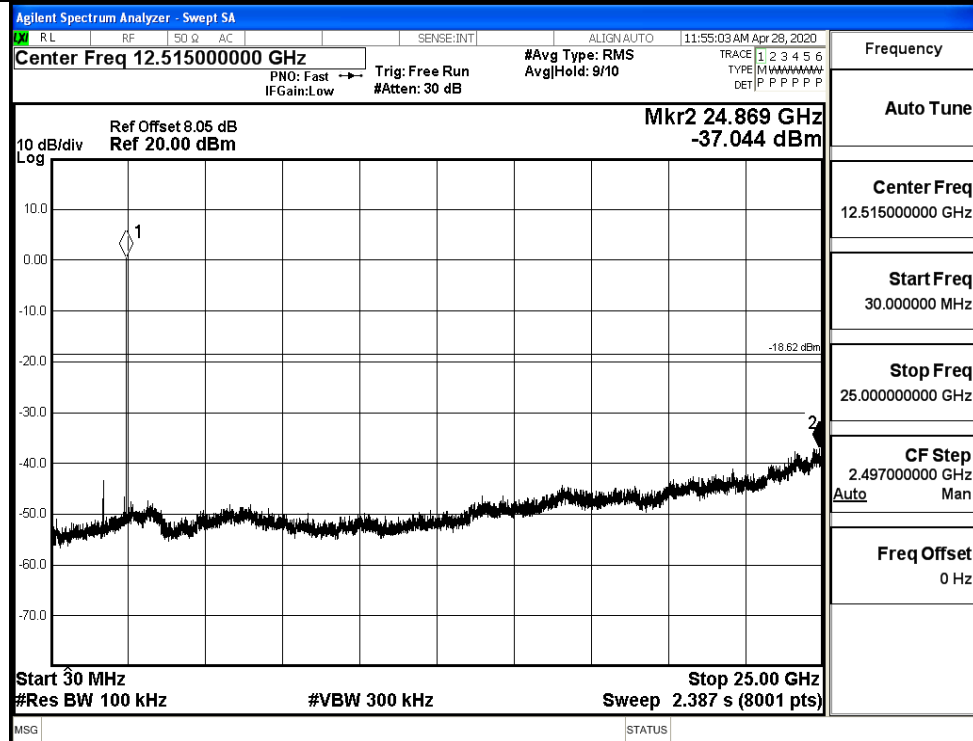


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

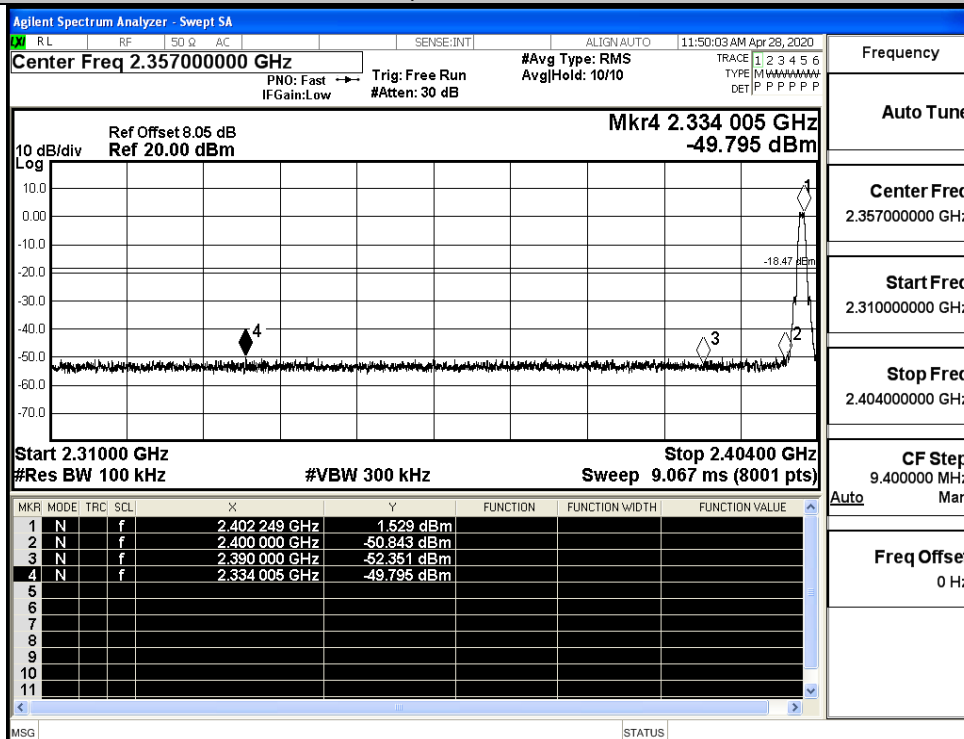


B.7 Band-edge for RF Conducted Emissions

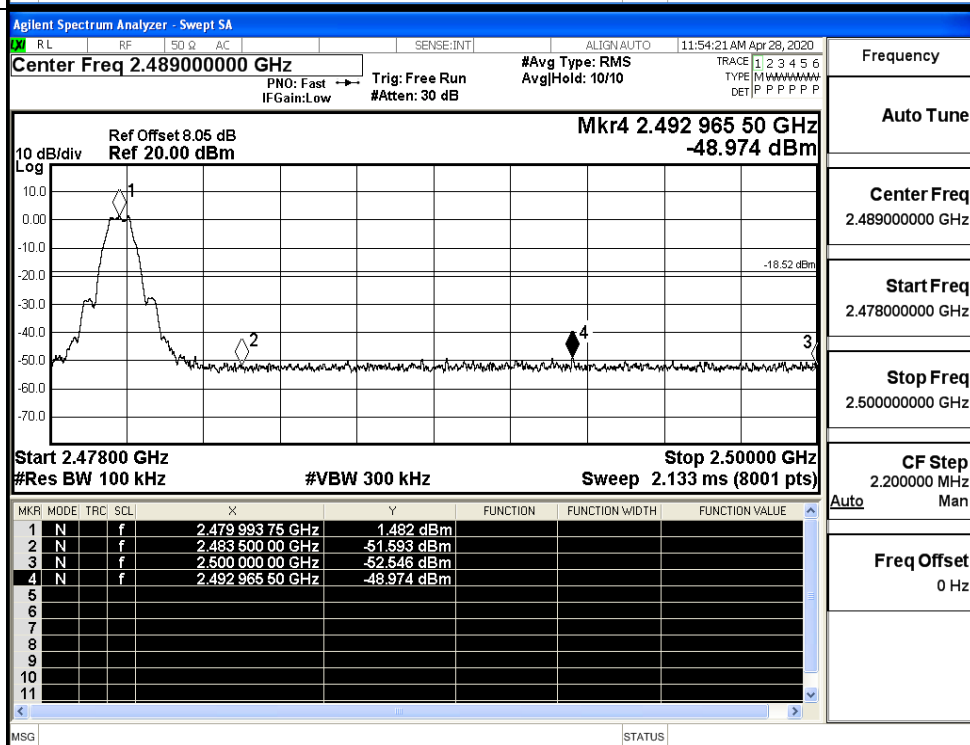
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.529	-49.795	-18.47	PASS
BT LE	HCH	1.482	-48.974	-18.52	PASS

Test Graphs

LCH



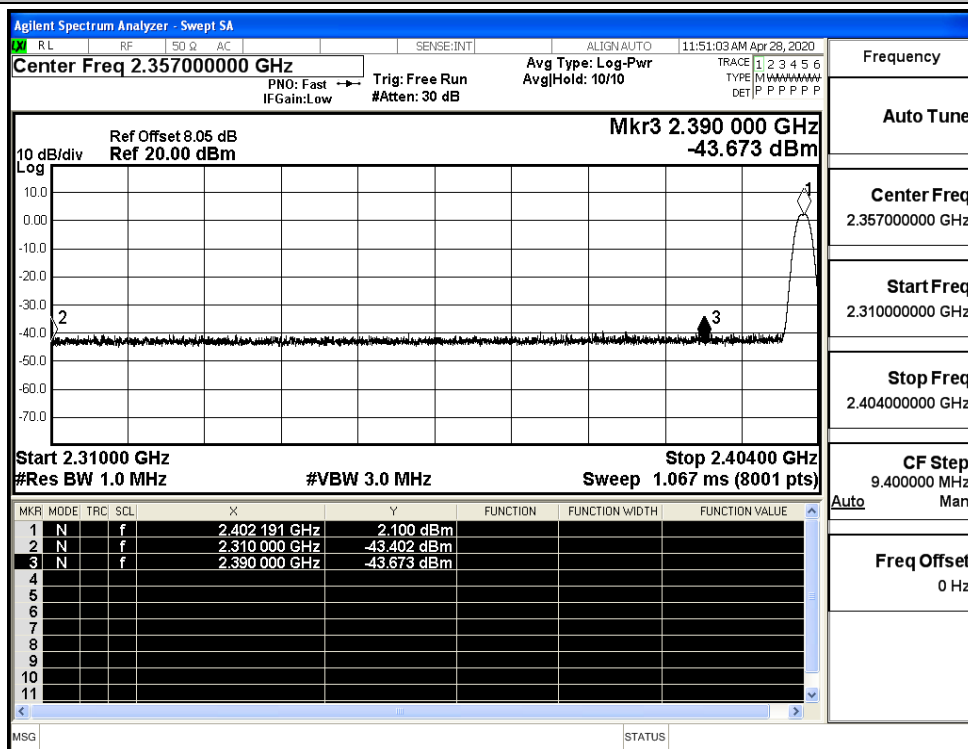
HCH



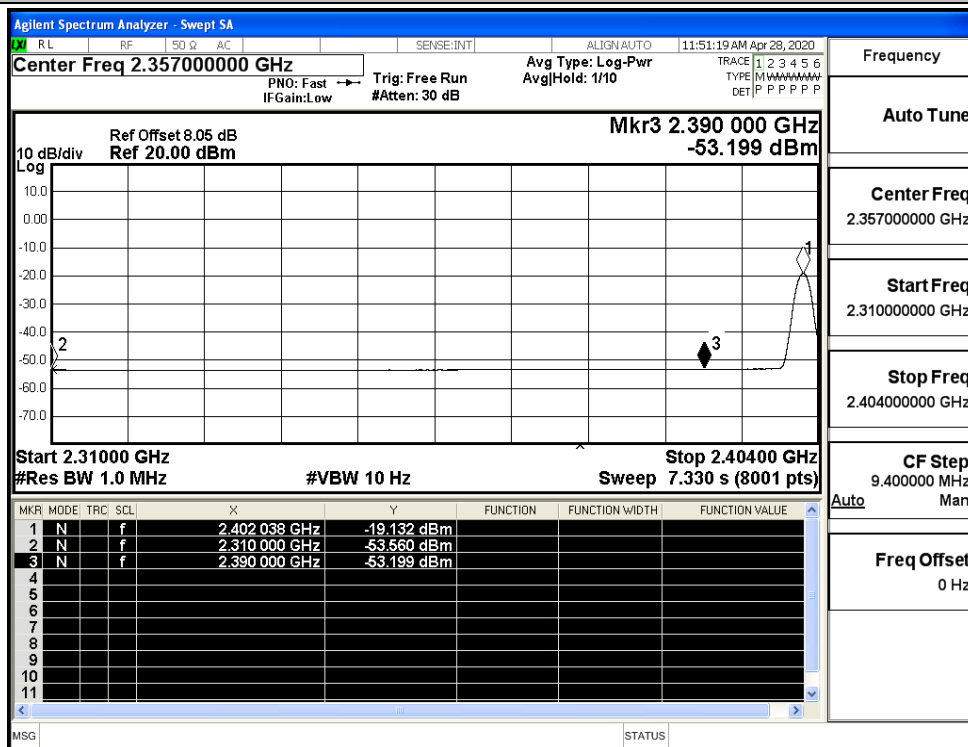
B.8 Restrict-band band-edge measurements

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	-43.40	2.0	0	51.86	PEAK	74	PASS
		Ant1	2310.0	-53.56	2.0	0	41.70	AV	54	PASS
		Ant1	2390.0	-43.67	2.0	0	51.58	PEAK	74	PASS
		Ant1	2390.0	-53.20	2.0	0	42.06	AV	54	PASS
	2480	Ant1	2483.5	-41.99	2.0	0	53.27	PEAK	74	PASS
		Ant1	2483.5	-52.74	2.0	0	42.52	AV	54	PASS
		Ant1	2500.0	-43.10	2.0	0	52.16	PEAK	74	PASS
		Ant1	2500.0	-52.55	2.0	0	42.71	AV	54	PASS

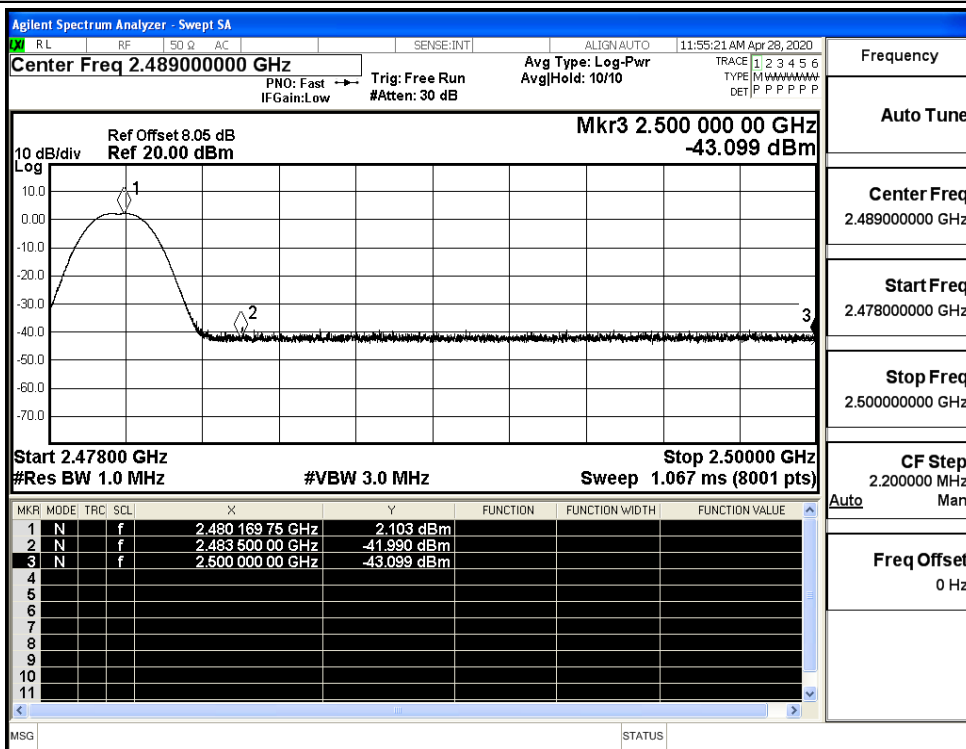
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

