

Appendix A

RF Test Data for BT LE V4.1 (Conducted Measurement)

Product Name: Wetsensor

Trade Mark: Pjama AB

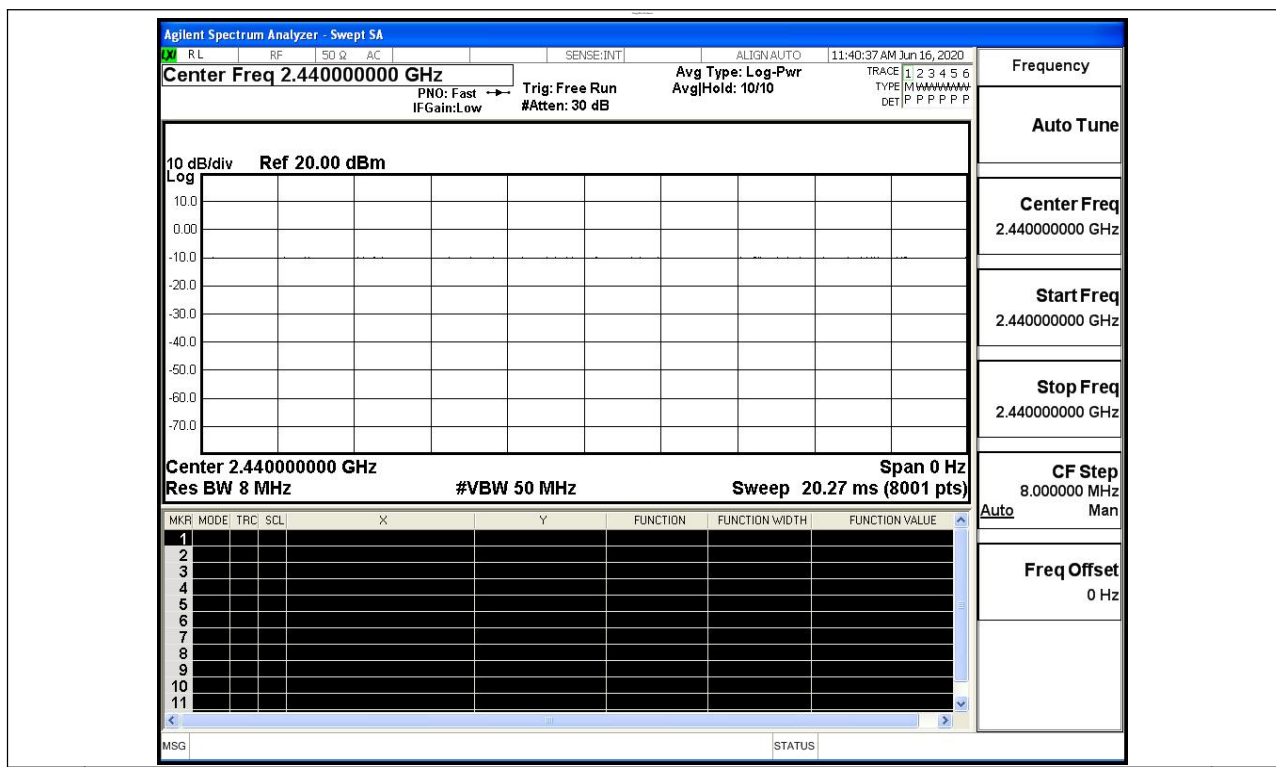
Test Model: Wetsensor

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

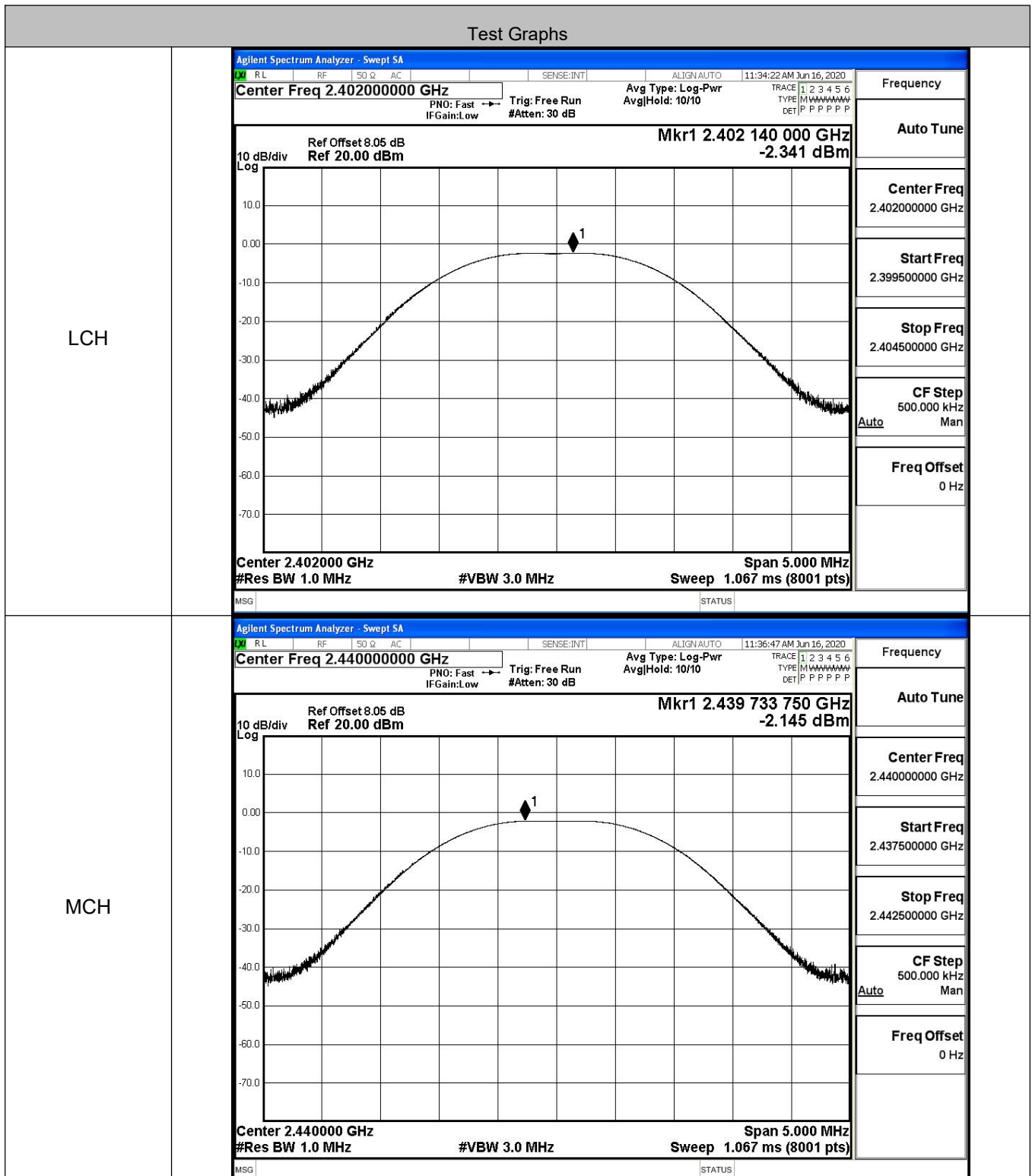
A.1 Duty Cycle

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

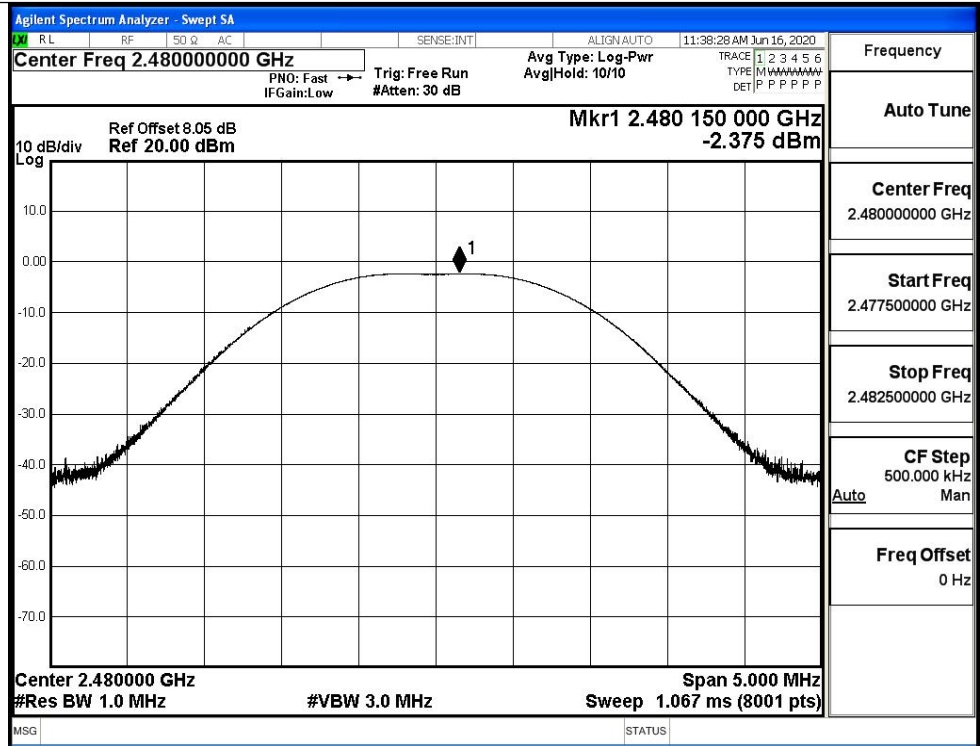


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.341	30	PASS
BT LE	MCH	-2.145	30	PASS
BT LE	HCH	-2.375	30	PASS



HCH

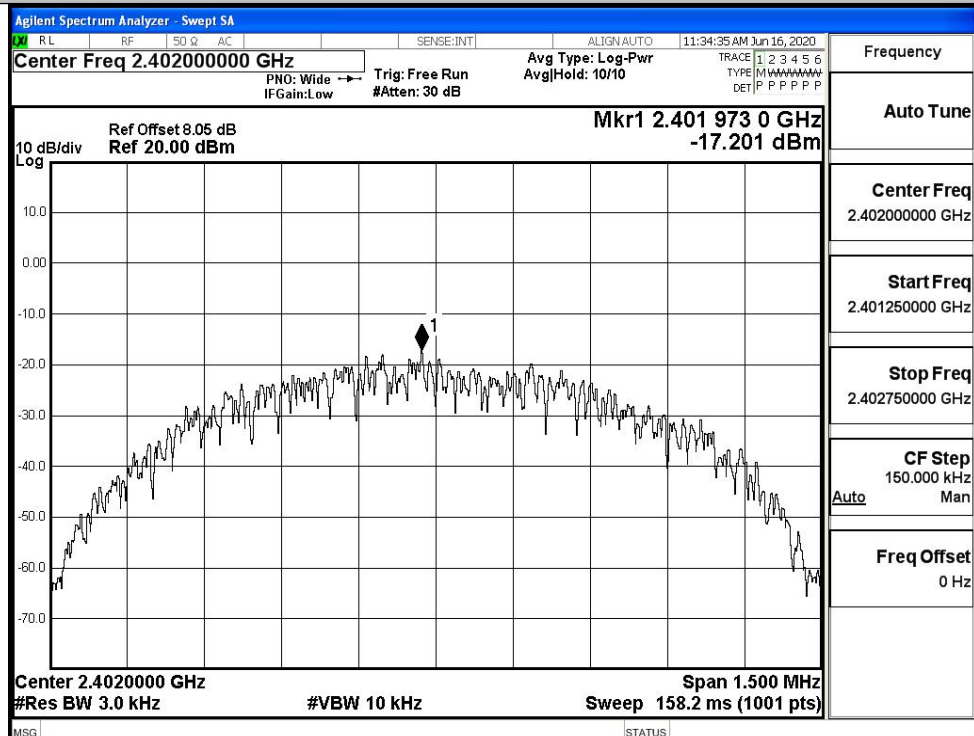


A.3 Maximum Power Spectral Density

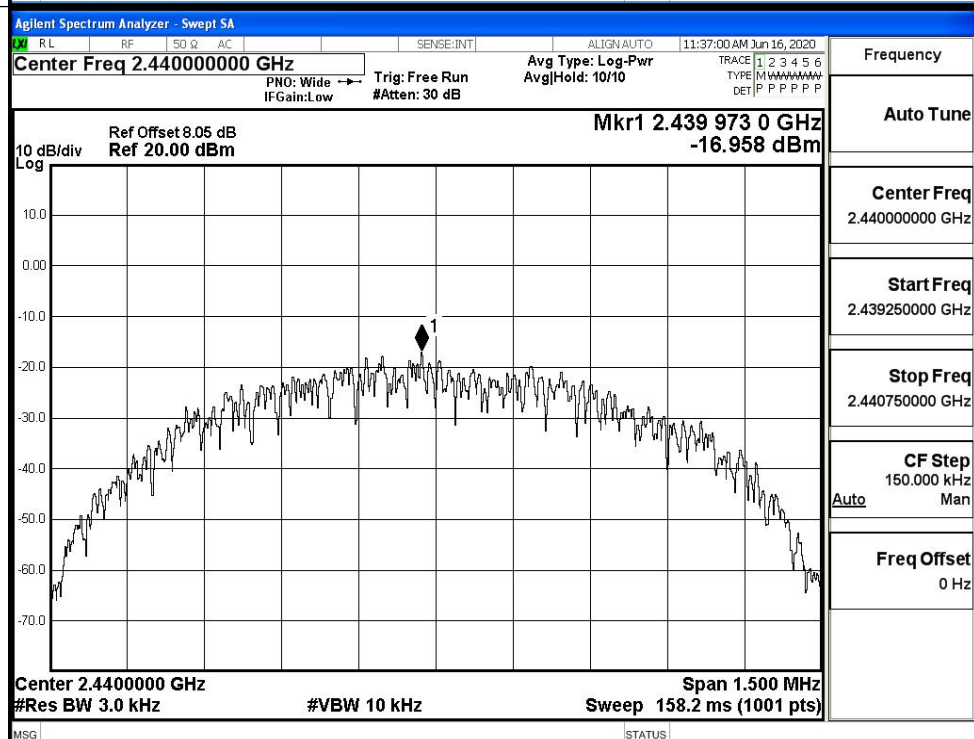
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.201	8	PASS
BT LE	MCH	-16.958	8	PASS
BT LE	HCH	-17.338	8	PASS

Test Graphs

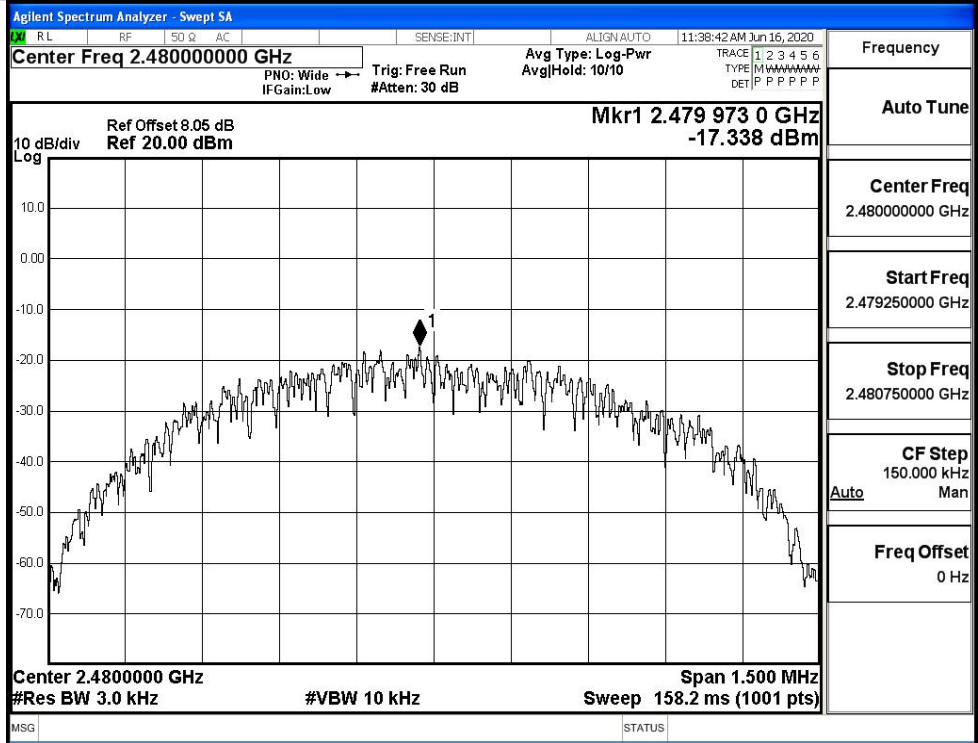
LCH



MCH



HCH

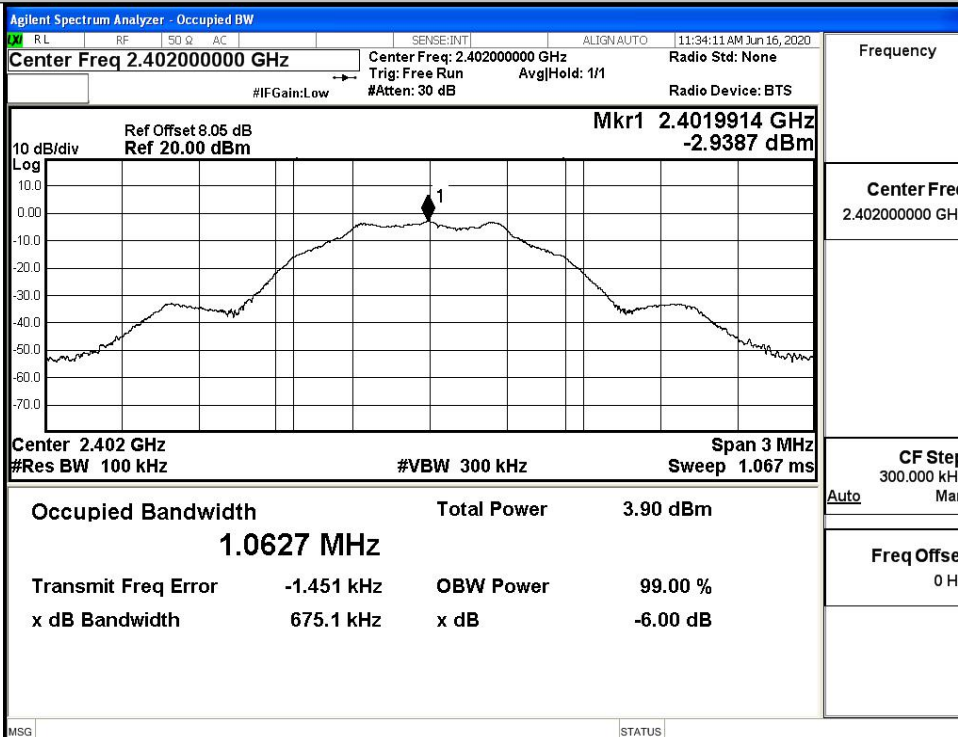


A.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6751	≥ 0.5	PASS
BT LE	MCH	0.6954	≥ 0.5	PASS
BT LE	HCH	0.6880	≥ 0.5	PASS

Test Graphs

LCH



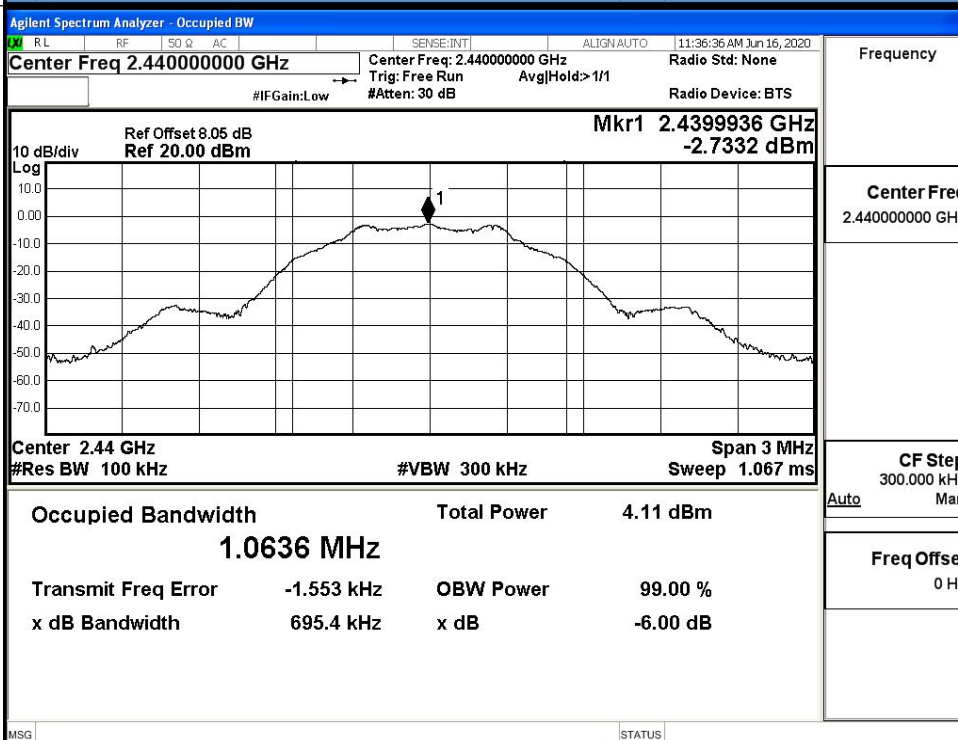
Frequency

Center Freq
2.402000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

MCH



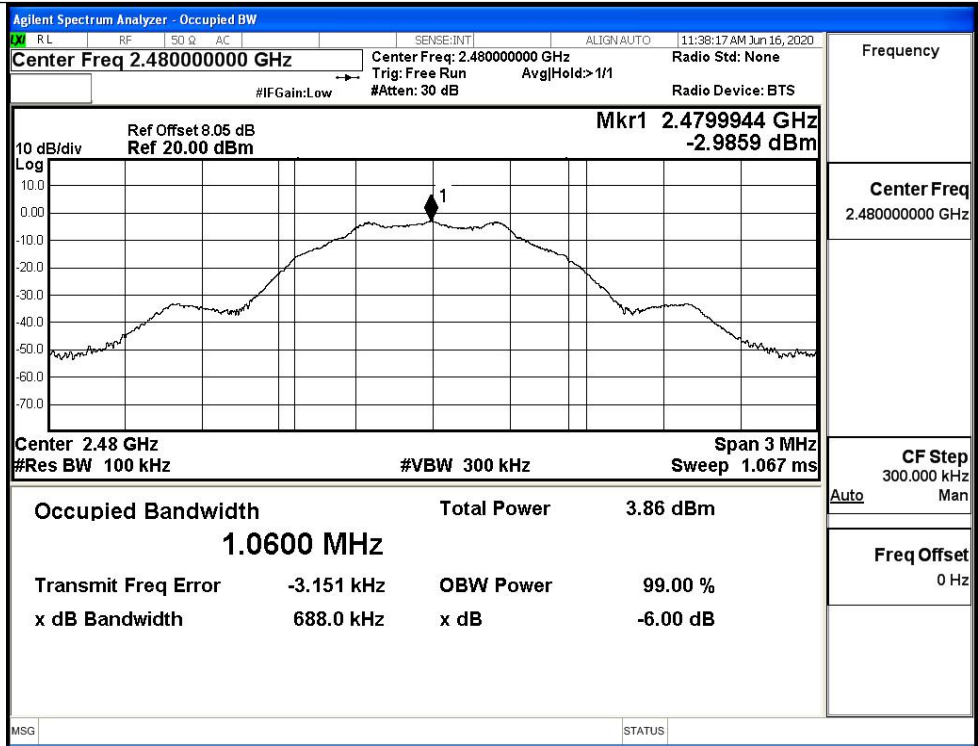
Frequency

Center Freq
2.440000000 GHz

CF Step
300.000 kHz
Auto Man

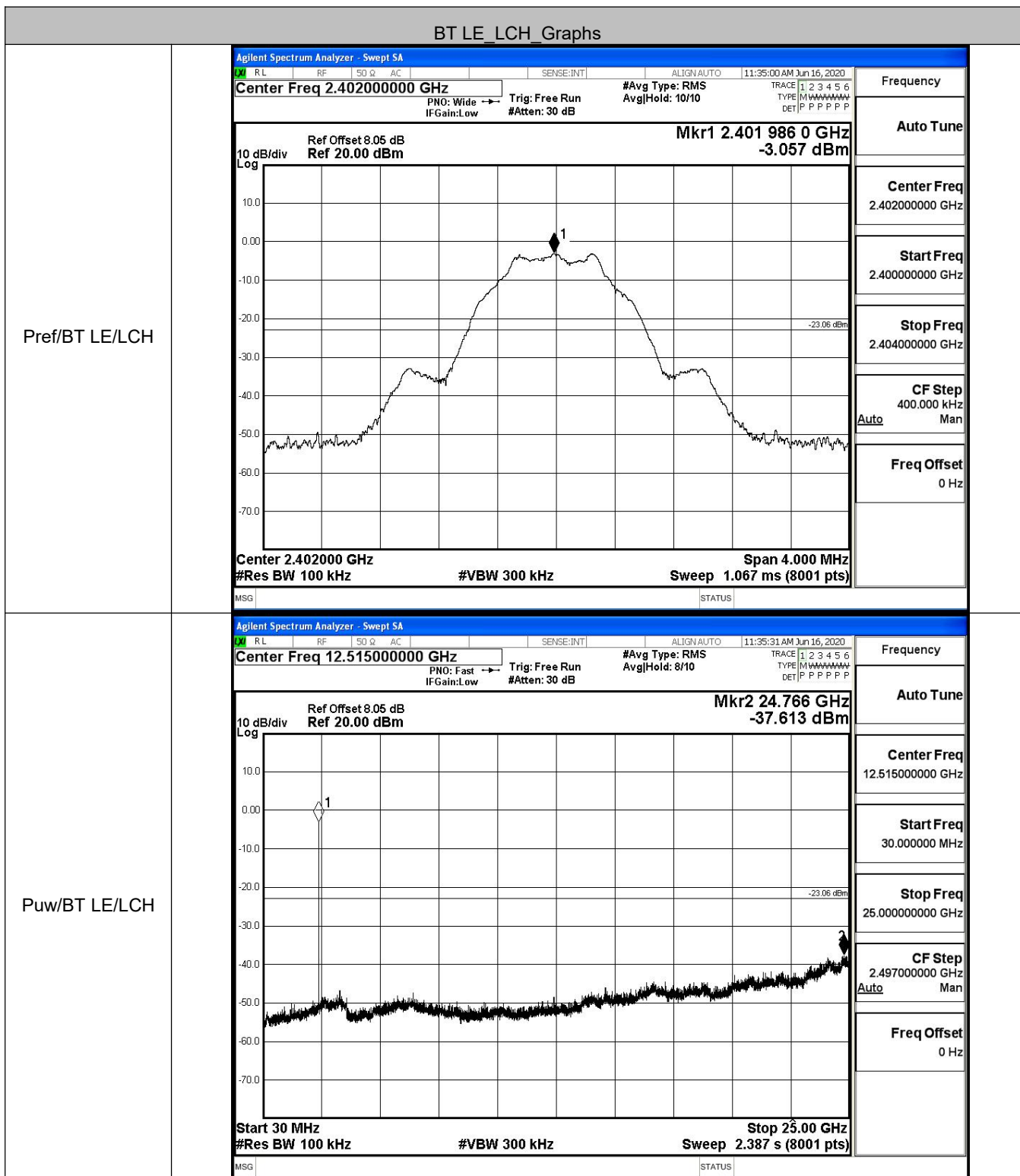
Freq Offset
0 Hz

HCH



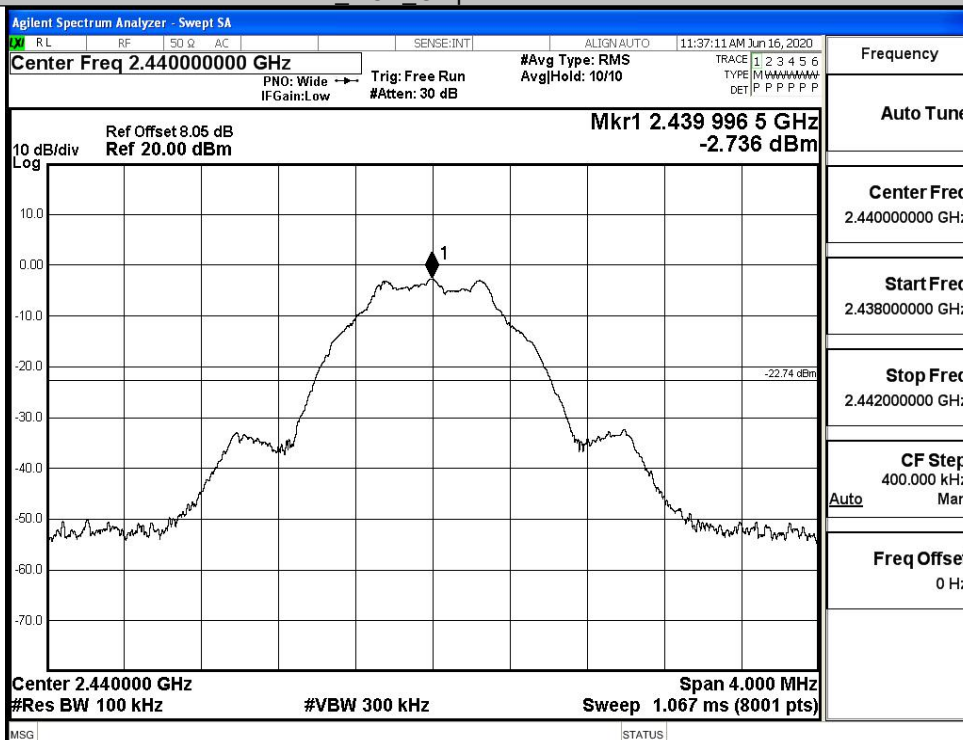
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.057	-37.613	-23.057	PASS
BT LE	MCH	-2.736	-35.836	-22.736	PASS
BT LE	HCH	-2.969	-37.267	-22.969	PASS

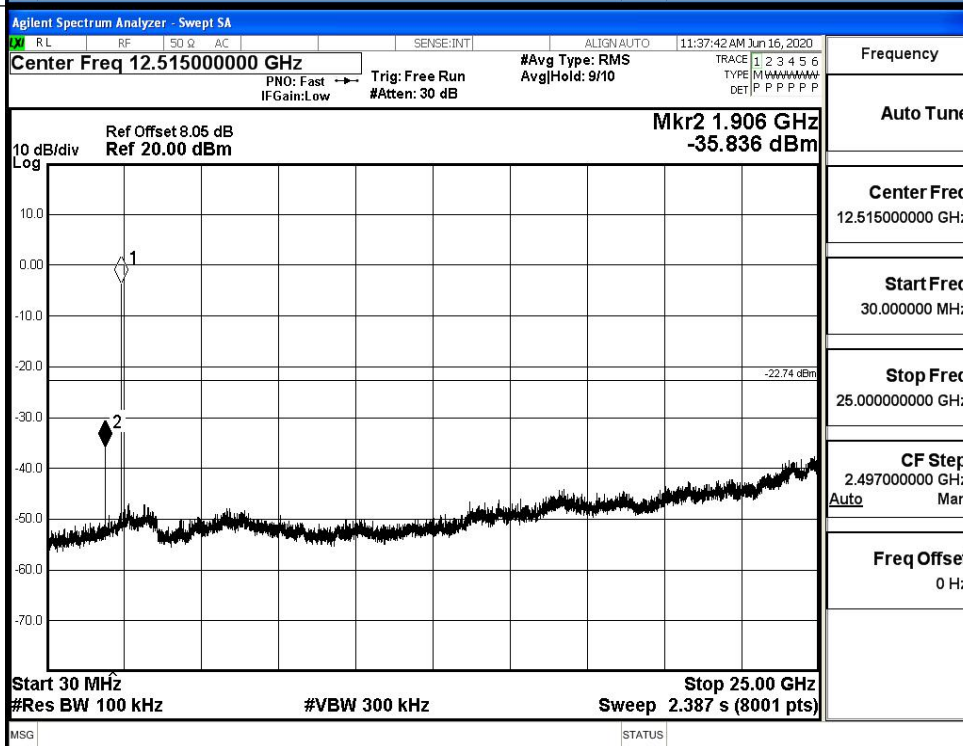


BT LE MCH Graphs

Pref/BT LE/MCH

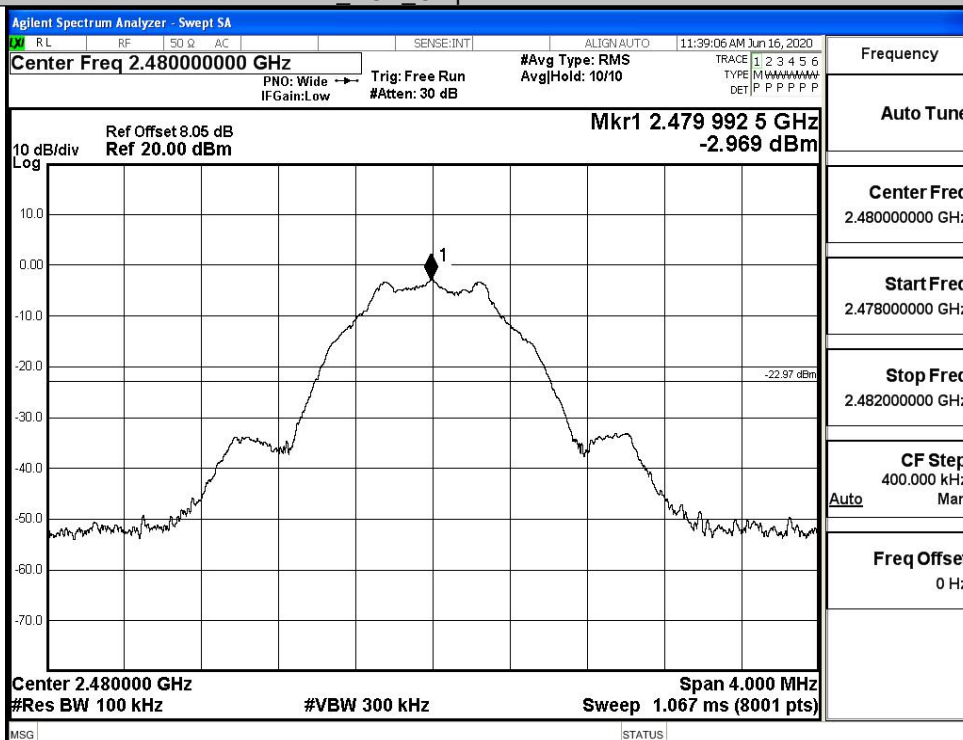


Puw/BT LE/MCH

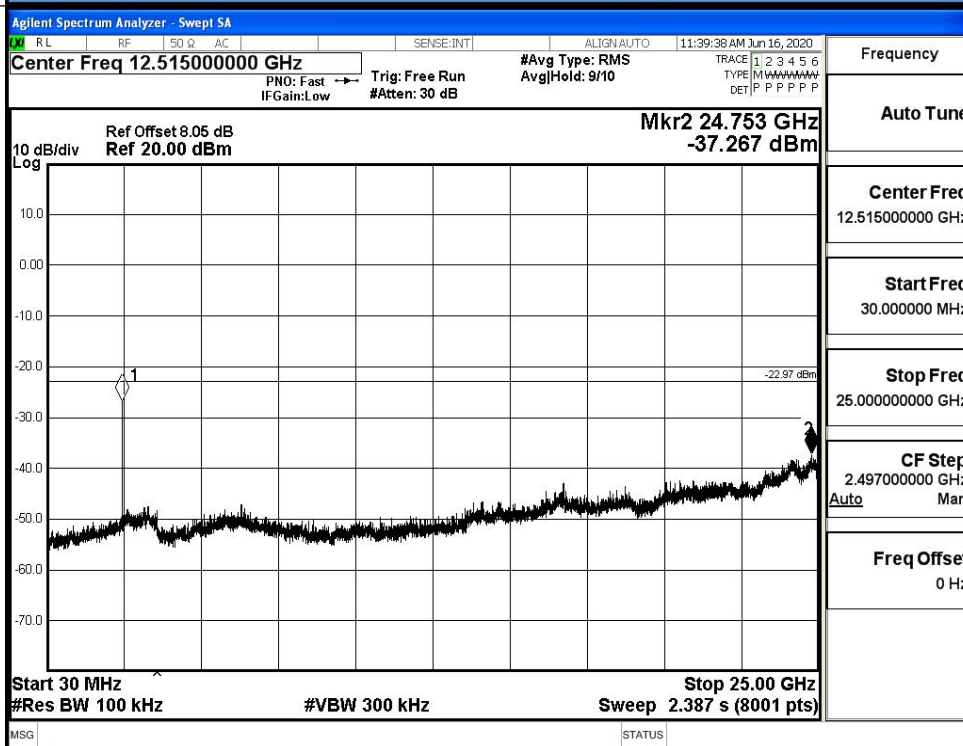


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

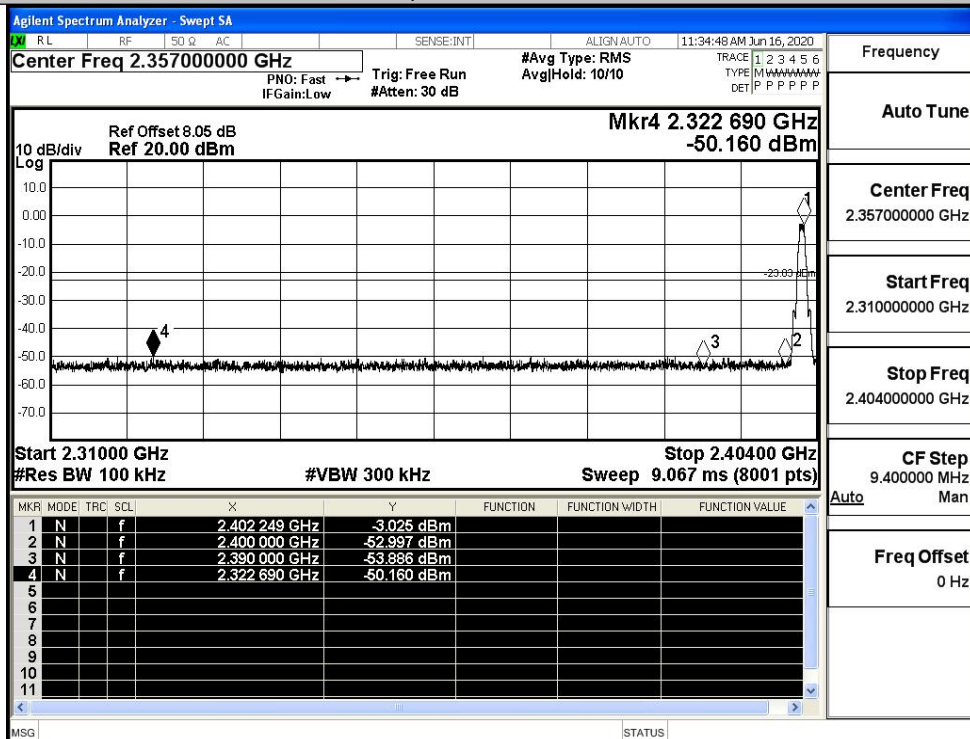


A.6 Band-edge for RF Conducted Emissions

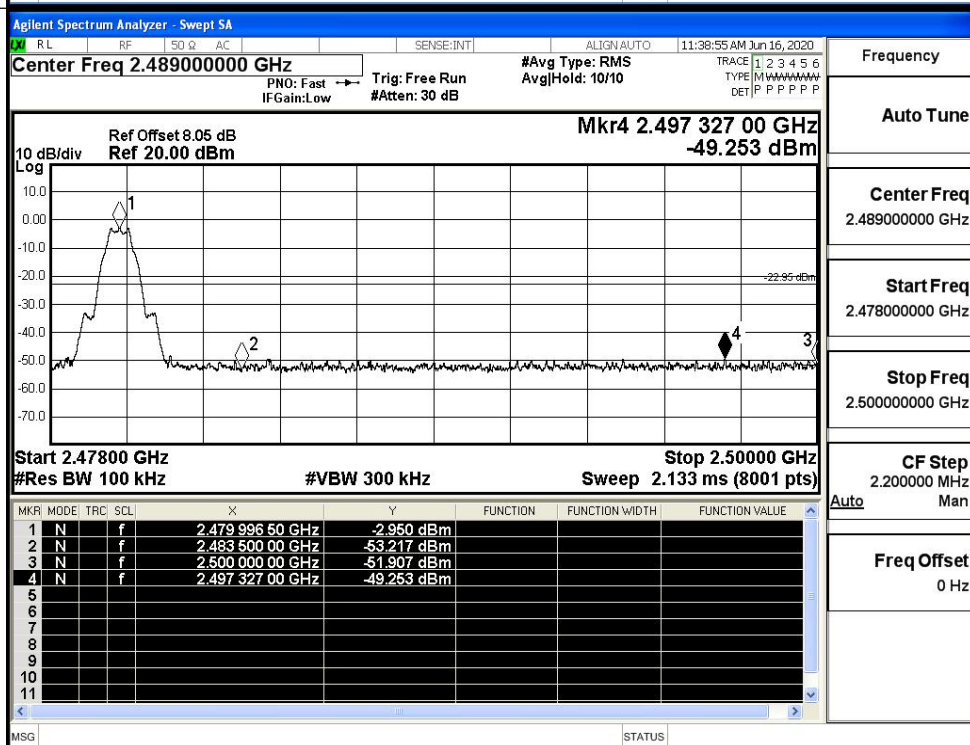
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-3.025	-50.160	-23.03	PASS
BT LE	HCH	-2.950	-49.253	-22.95	PASS

Test Graphs

LCH



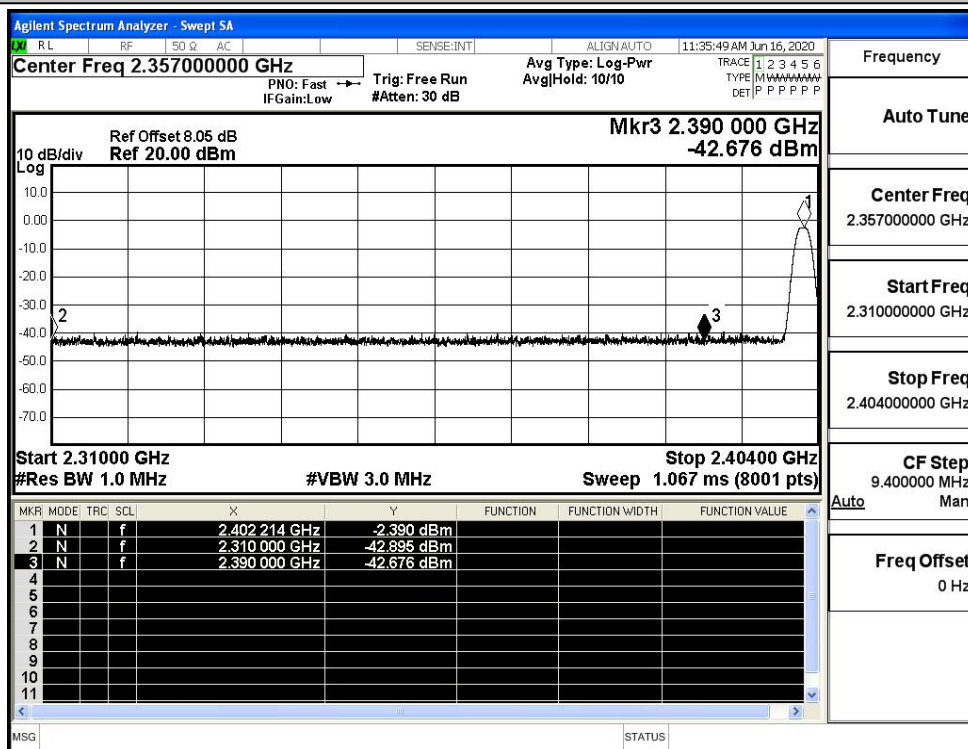
HCH



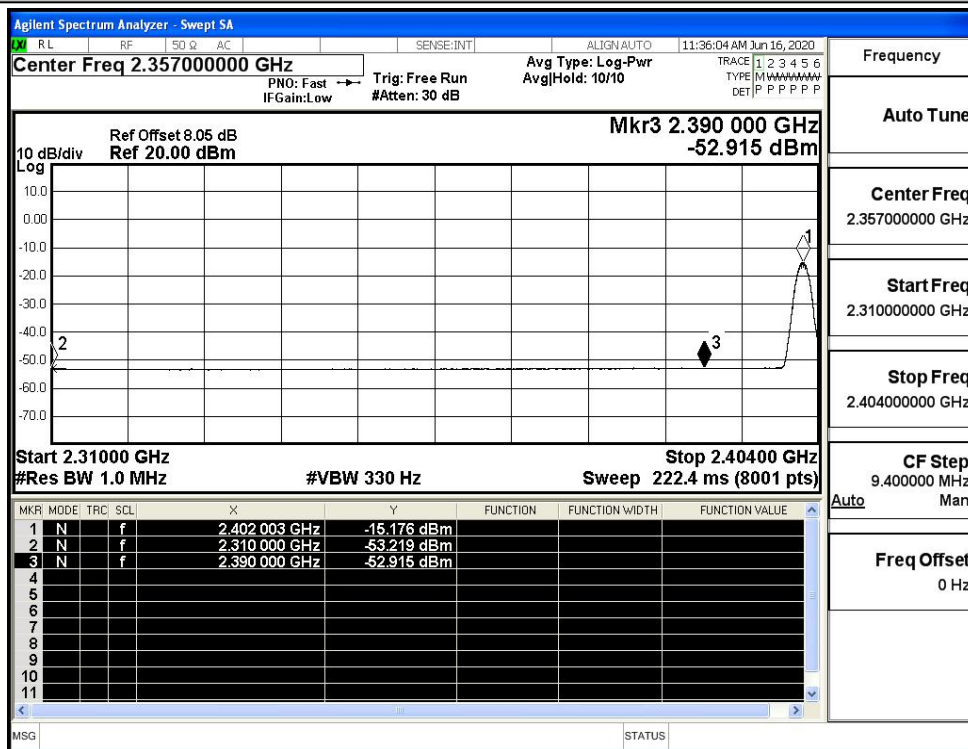
A.7 Restrict-band band-edge measurements

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	-42.90	2.0	0	52.36	PEAK	74	PASS
		Ant1	2310.0	-53.22	2.0	0	42.04	AV	54	PASS
		Ant1	2390.0	-42.68	2.0	0	52.58	PEAK	74	PASS
		Ant1	2390.0	-52.92	2.0	0	42.34	AV	54	PASS
	2480	Ant1	2483.5	-42.44	2.0	0	52.81	PEAK	74	PASS
		Ant1	2483.5	-52.55	2.0	0	42.71	AV	54	PASS
		Ant1	2500.0	-41.63	2.0	0	53.63	PEAK	74	PASS
		Ant1	2500.0	-52.32	2.0	0	42.94	AV	54	PASS

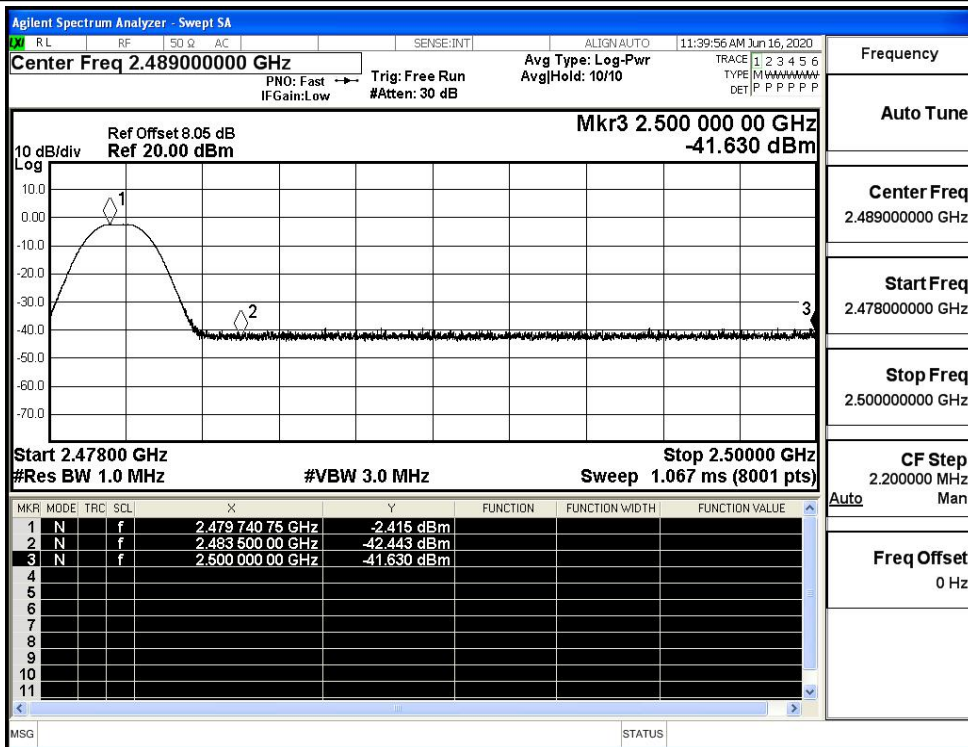
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

