

Appendix A

RF Test Data for BT V4.2 (Conducted Measurement)

Product Name: SumUp Air v3

Trade Mark: SumUp Air v3

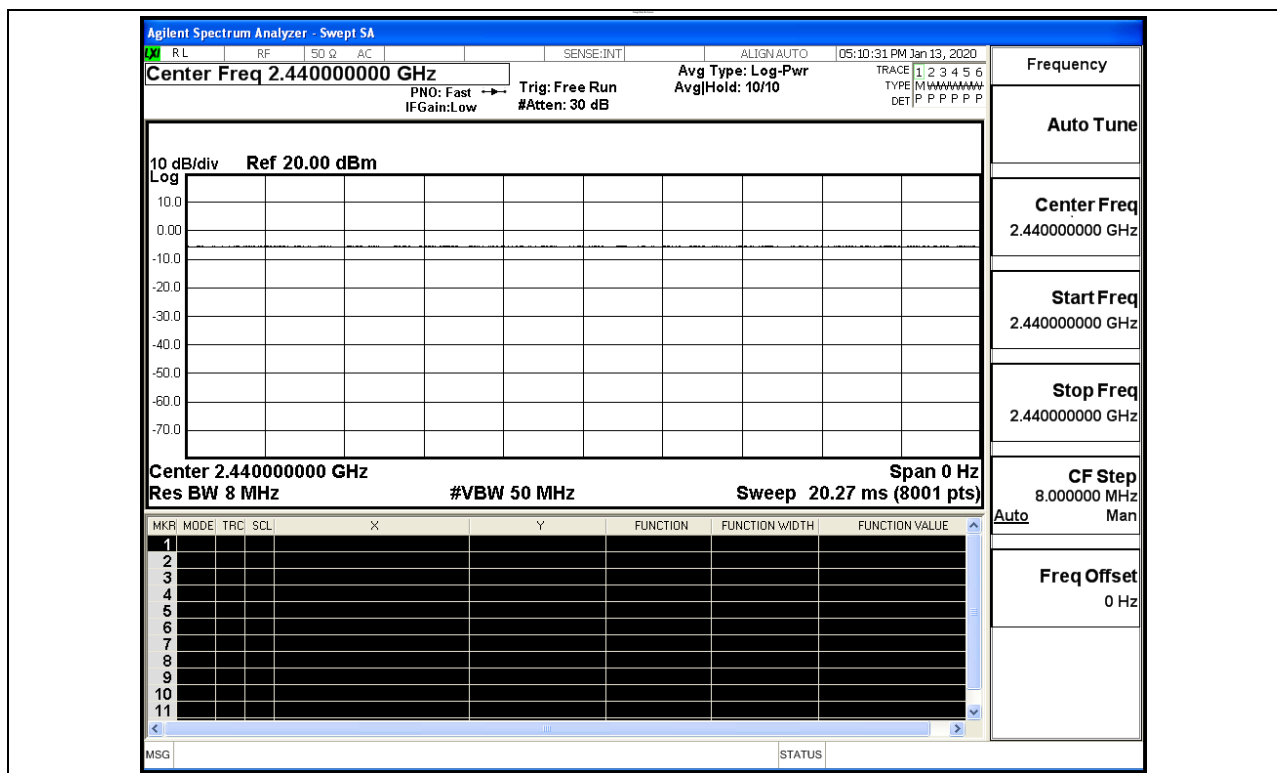
Test Model: SumUp Air v3

Environmental Conditions

Temperature:	22.9°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	SCOUT WU
Supervised by:	Tom.Liu

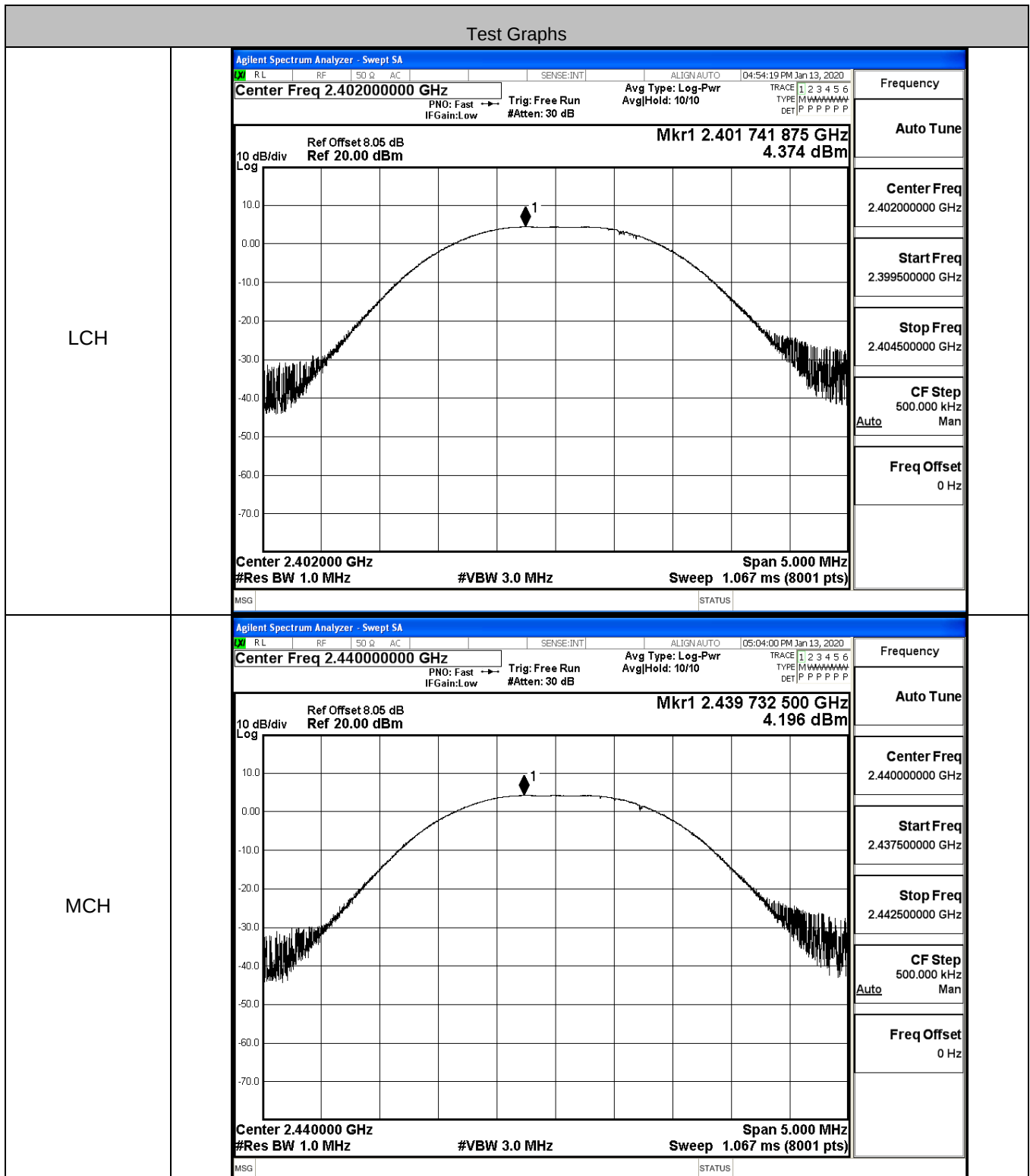
A.1 Duty Cycle

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

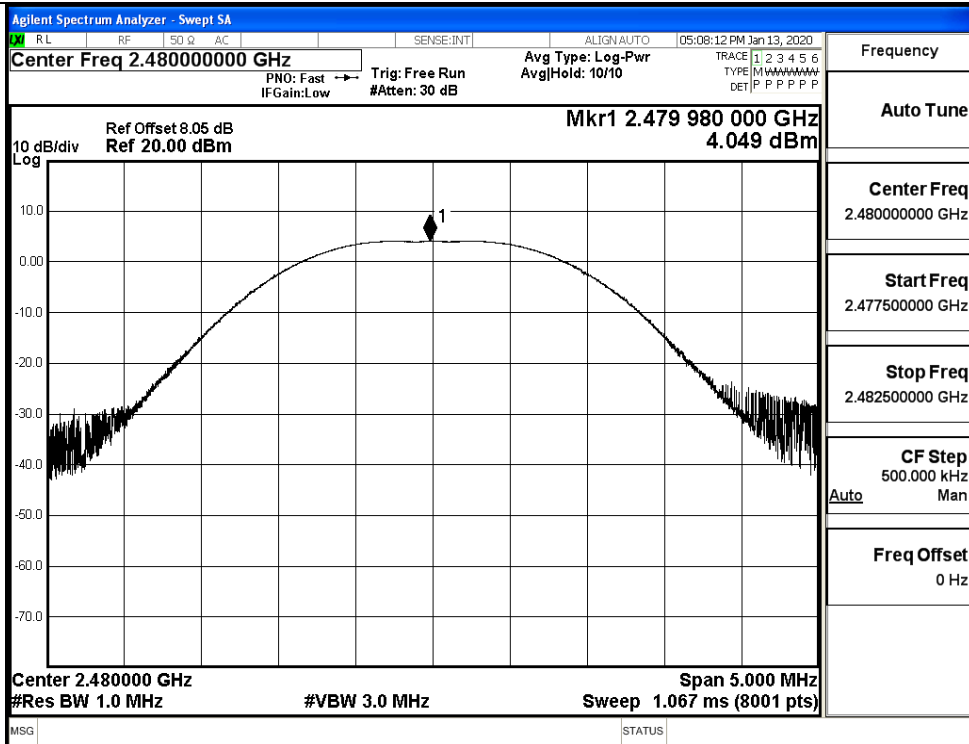


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.374	30	PASS
BT LE	MCH	4.196	30	PASS
BT LE	HCH	4.049	30	PASS

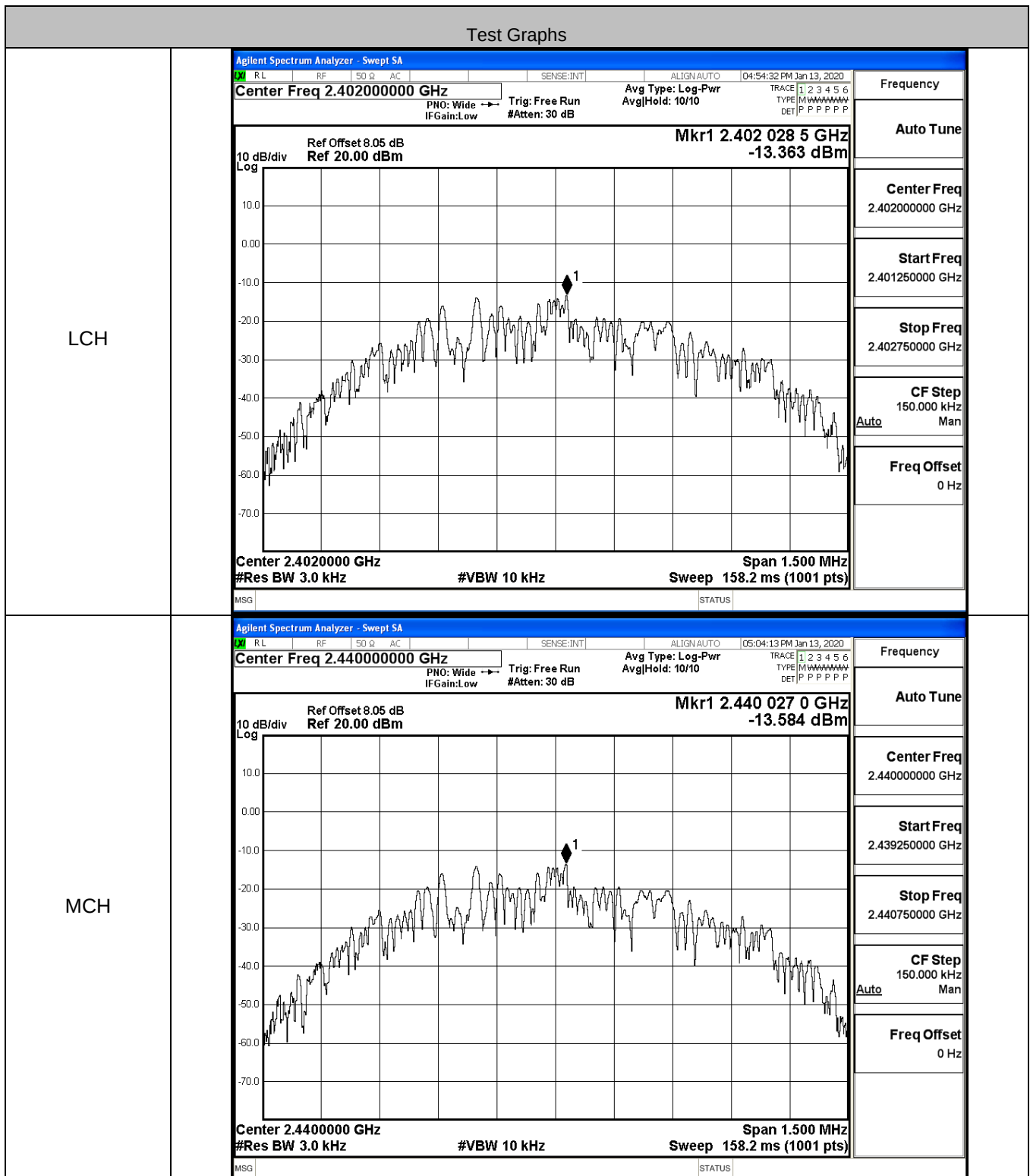


HCH

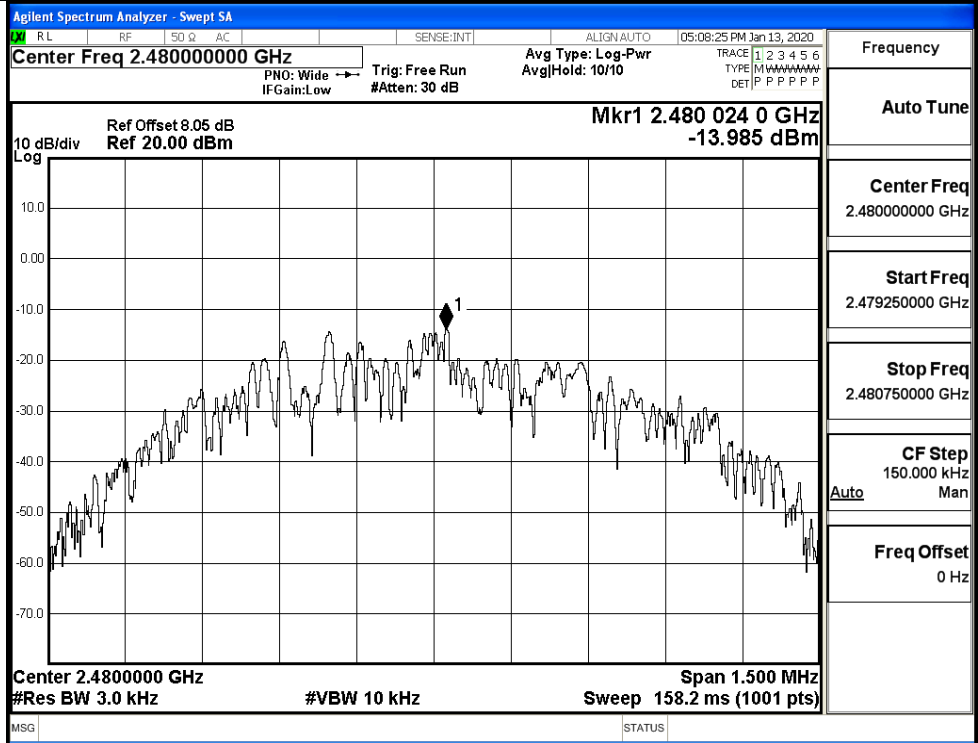


A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.363	8	PASS
BT LE	MCH	-13.584	8	PASS
BT LE	HCH	-13.985	8	PASS



HCH

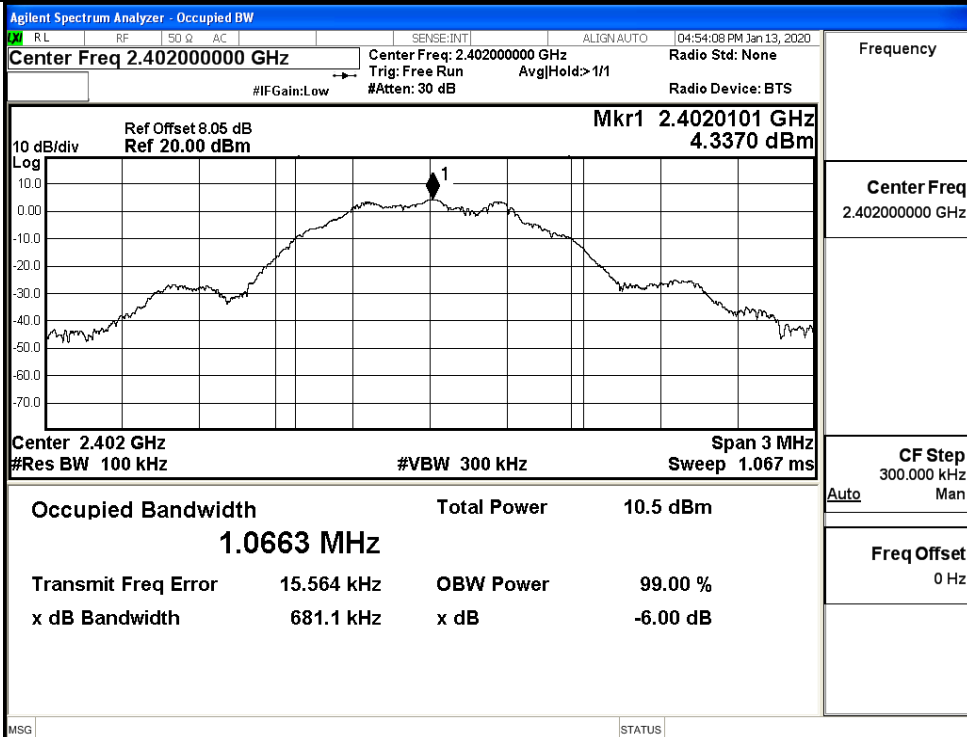


A.4 6dB Bandwidth

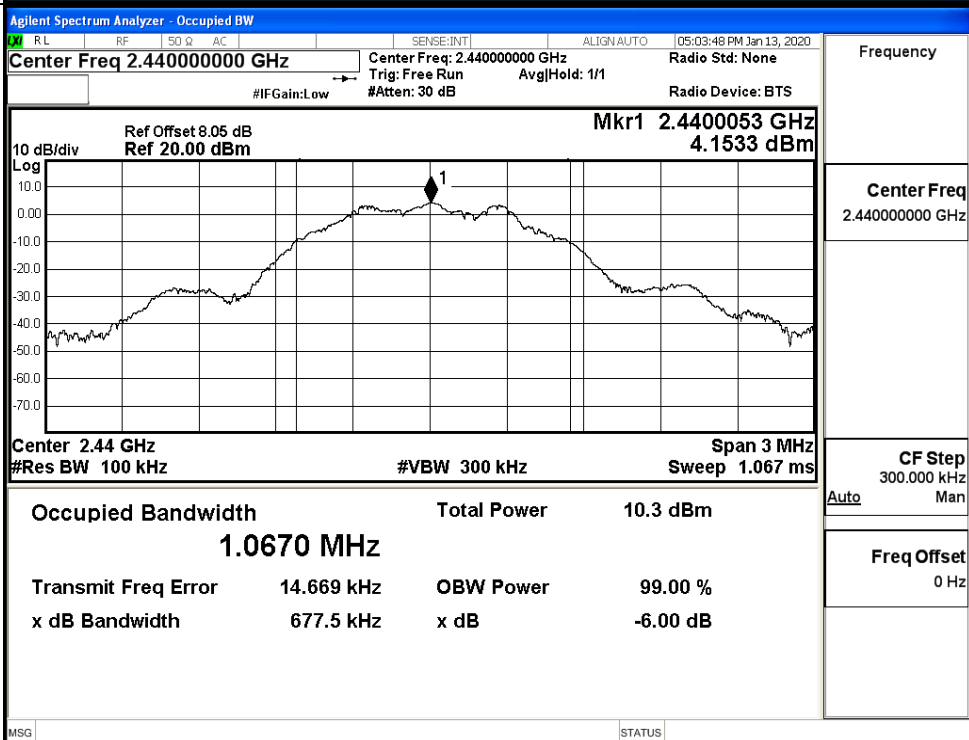
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6811	≥ 0.5	PASS
BT LE	MCH	0.6775	≥ 0.5	PASS
BT LE	HCH	0.6757	≥ 0.5	PASS

Test Graphs

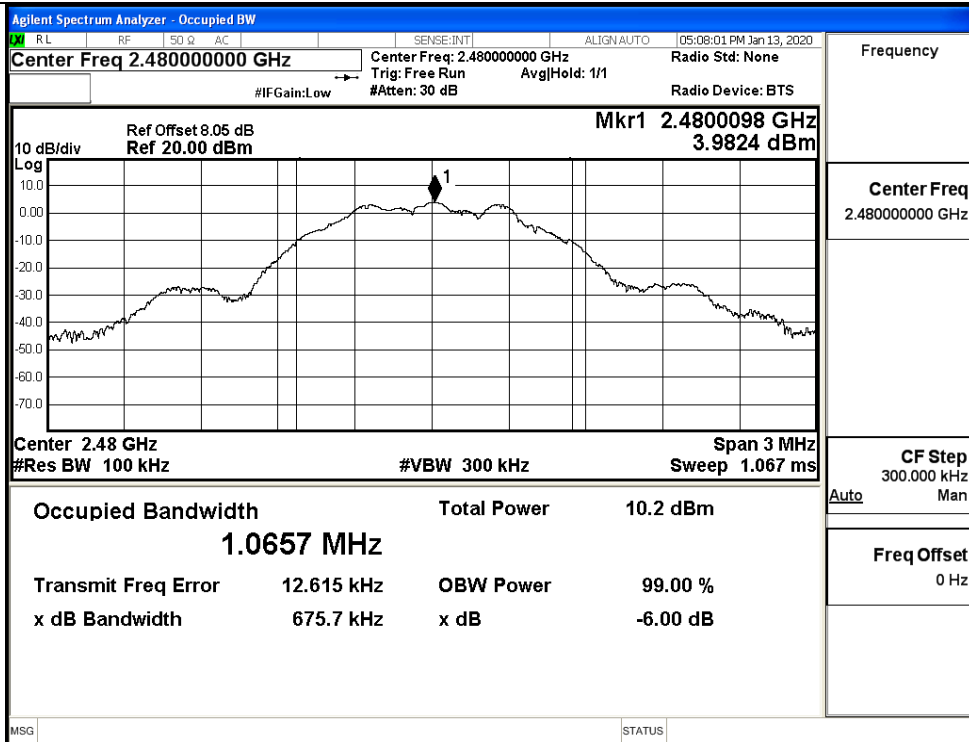
LCH



MCH



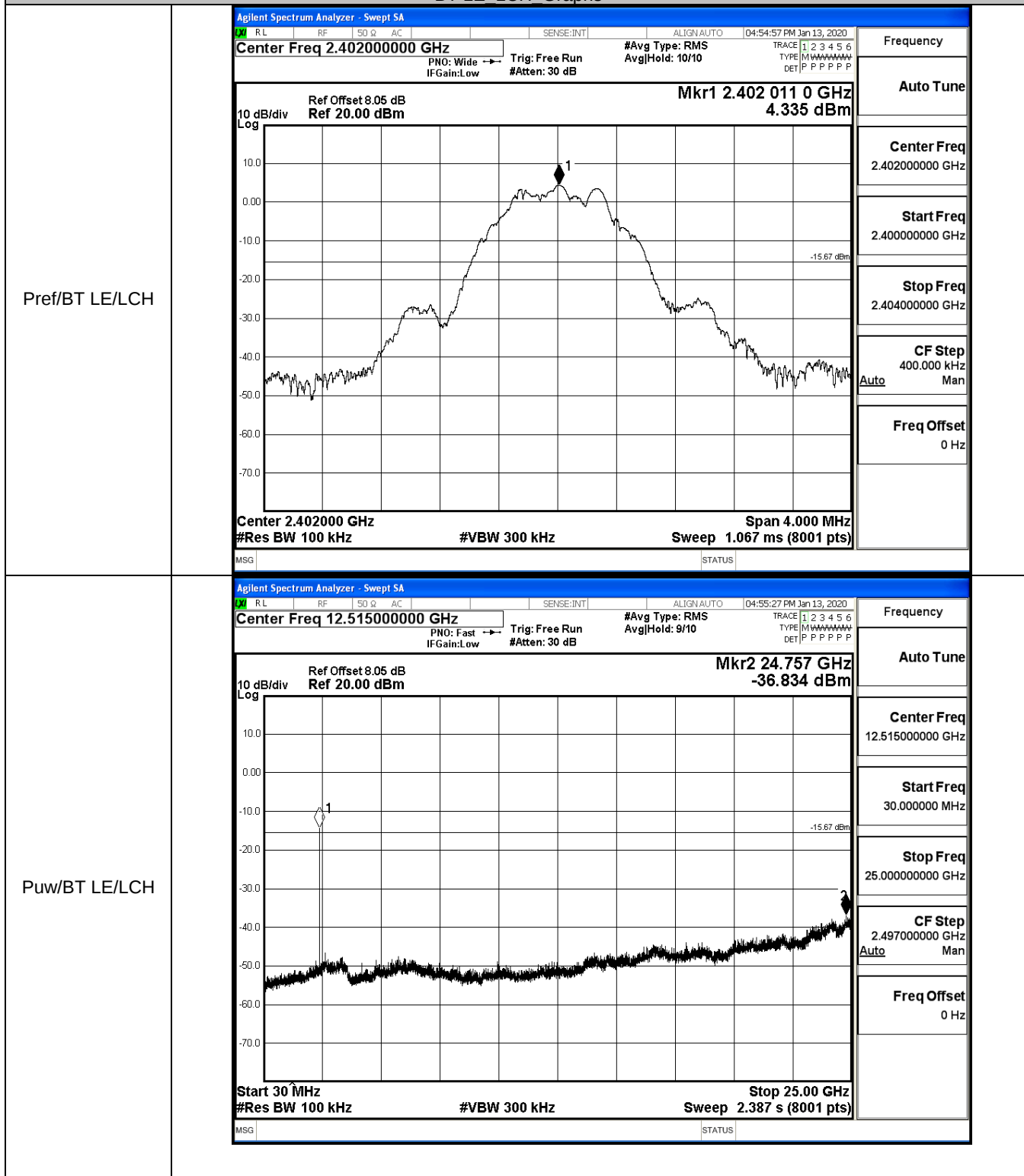
HCH



A.5 RF Conducted Spurious Emissions

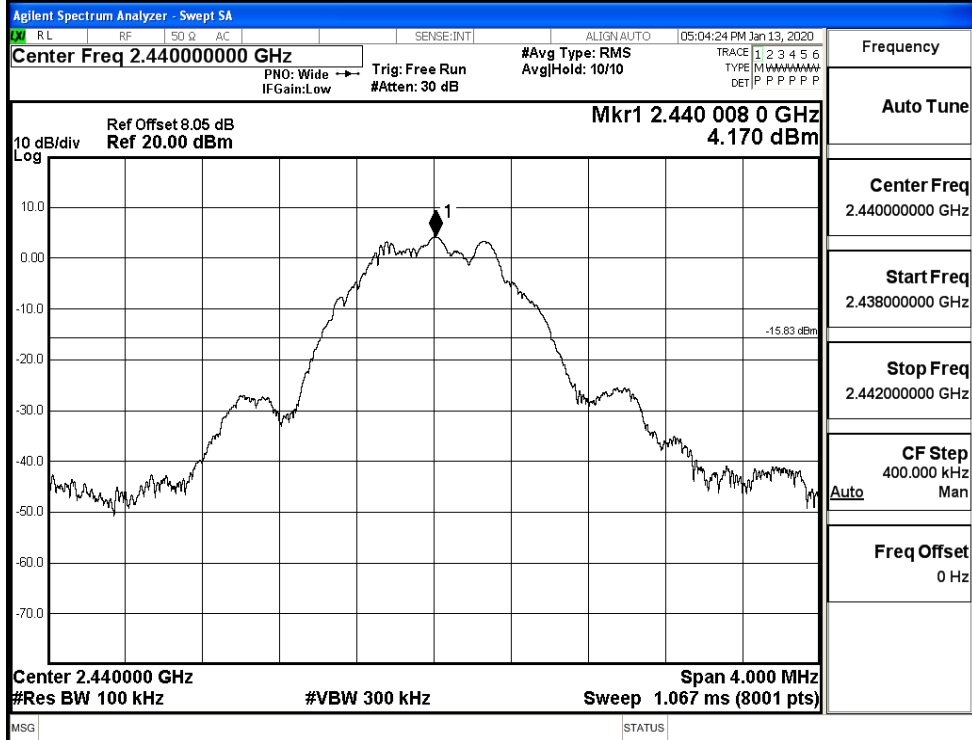
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.335	-36.834	-15.665	PASS
BT LE	MCH	4.17	-37.061	-15.830	PASS
BT LE	HCH	3.986	-36.762	-16.014	PASS

BT LE LCH Graphs

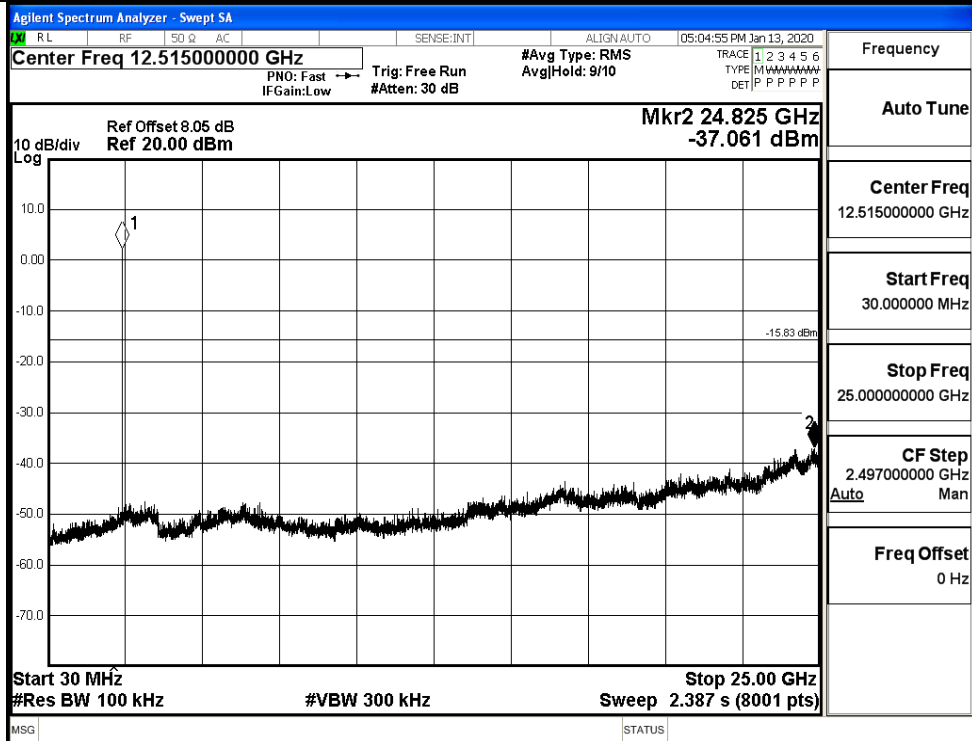


BT LE MCH Graphs

Pref/BT LE/MCH

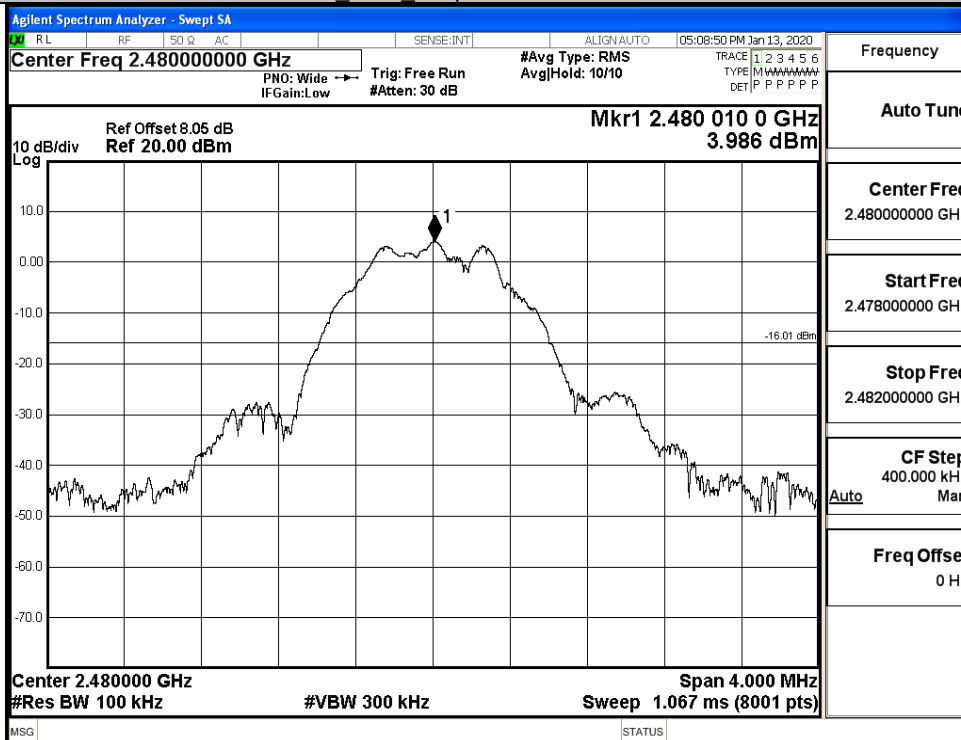


Puw/BT LE/MCH



BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

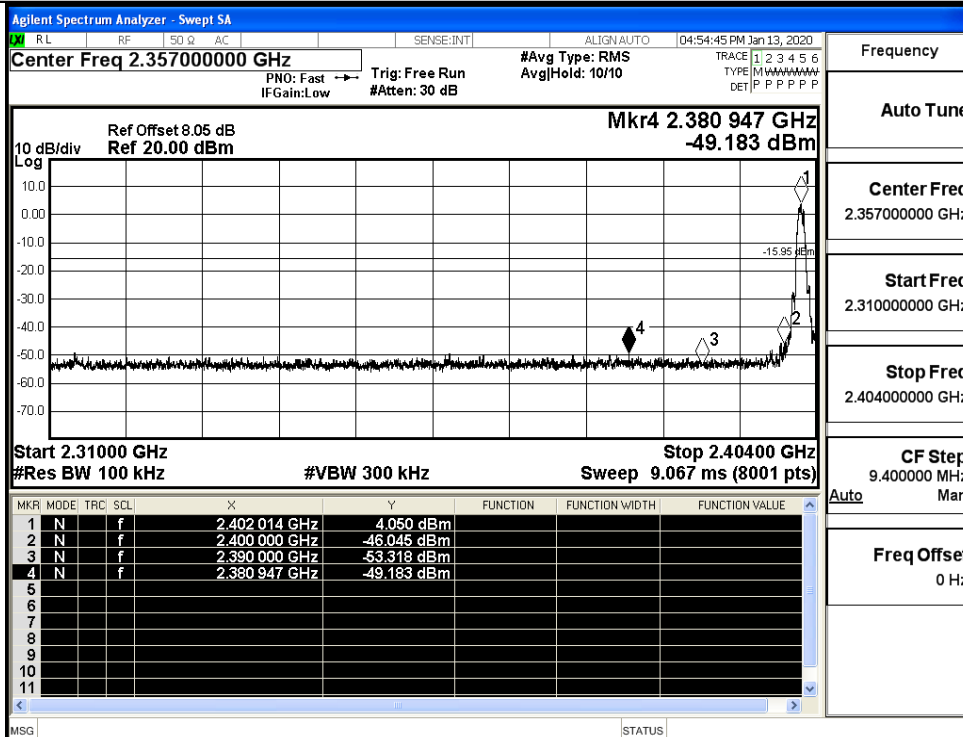


A.6 Band-edge for RF Conducted Emissions

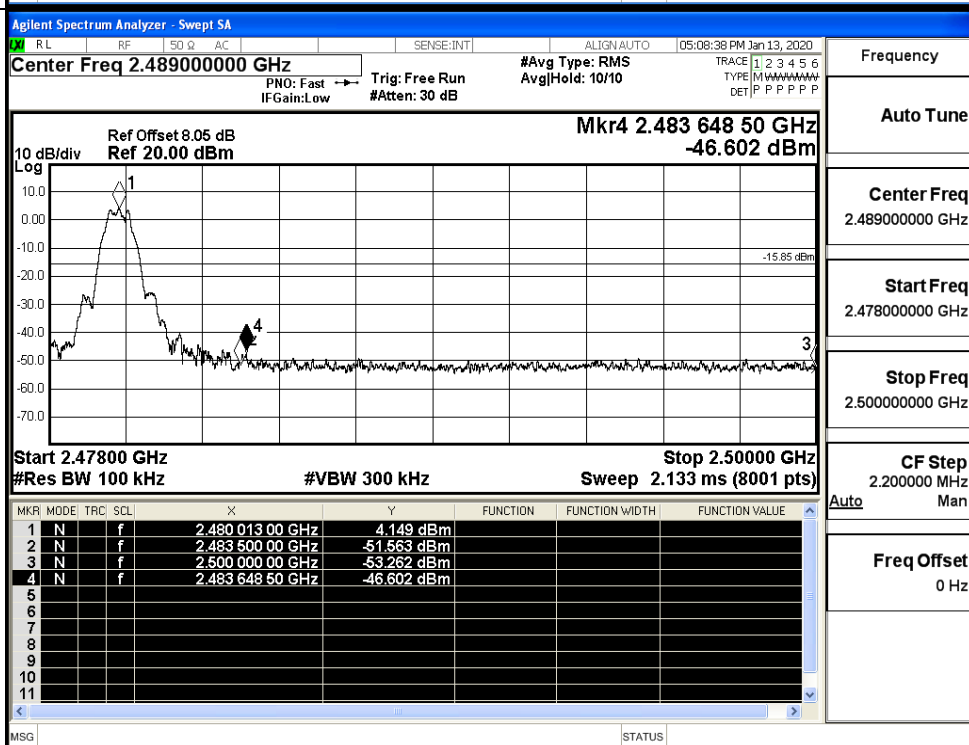
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	4.050	-49.183	-15.95	PASS
BT LE	HCH	4.149	-46.602	-15.85	PASS

Test Graphs

LCH



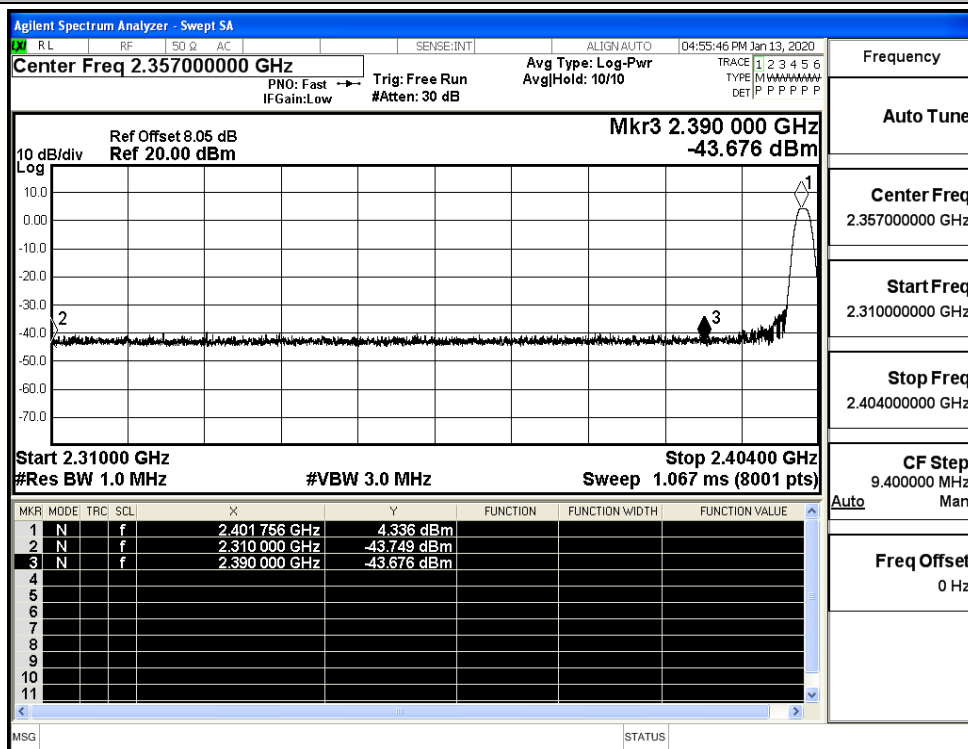
HCH



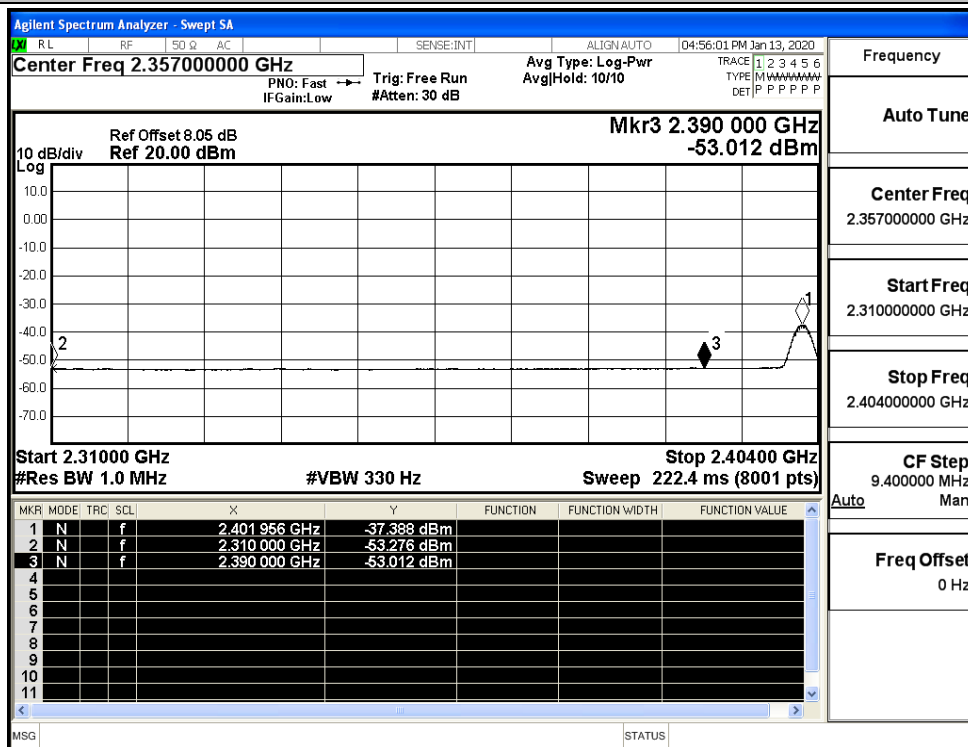
A.7 Restrict-band band-edge measurements

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	-43.75	2.0	0	51.51	PEAK	74	PASS
		Ant1	2310.0	-53.28	2.0	0	41.98	AV	54	PASS
		Ant1	2390.0	-43.68	2.0	0	51.58	PEAK	74	PASS
		Ant1	2390.0	-53.01	2.0	0	42.25	AV	54	PASS
	2480	Ant1	2483.5	-33.52	2.0	0	61.74	PEAK	74	PASS
		Ant1	2483.5	-52.46	2.0	0	42.80	AV	54	PASS
		Ant1	2500.0	-41.69	2.0	0	53.57	PEAK	74	PASS
		Ant1	2500.0	-52.35	2.0	0	42.91	AV	54	PASS

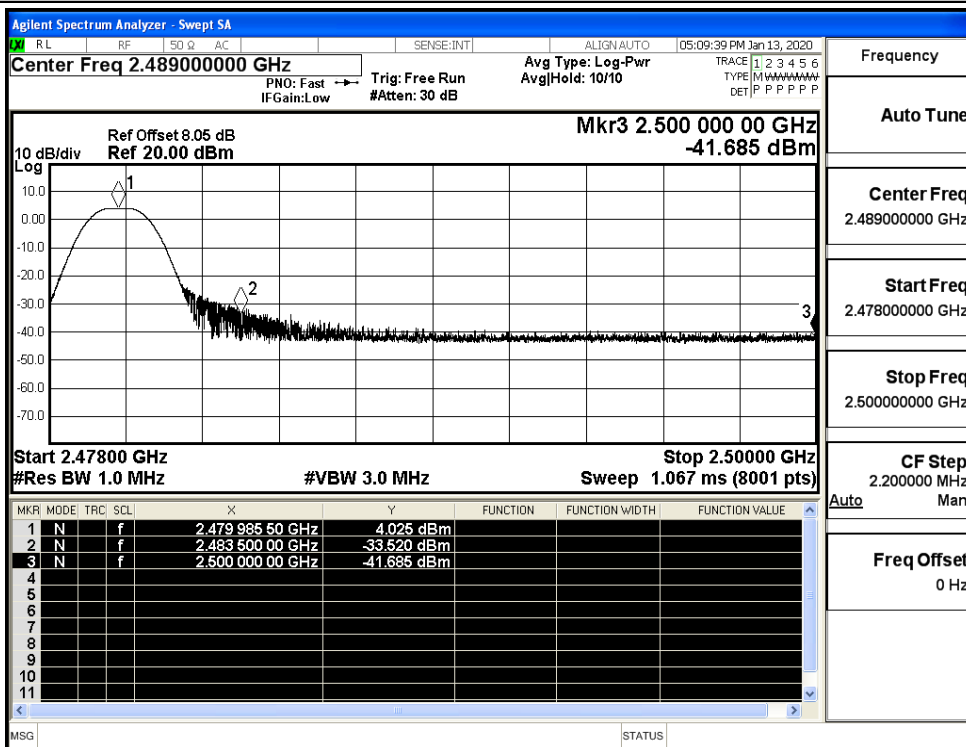
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

