

Appendix A

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

Product Name: bluetooth remote control

Trade Mark: N/A

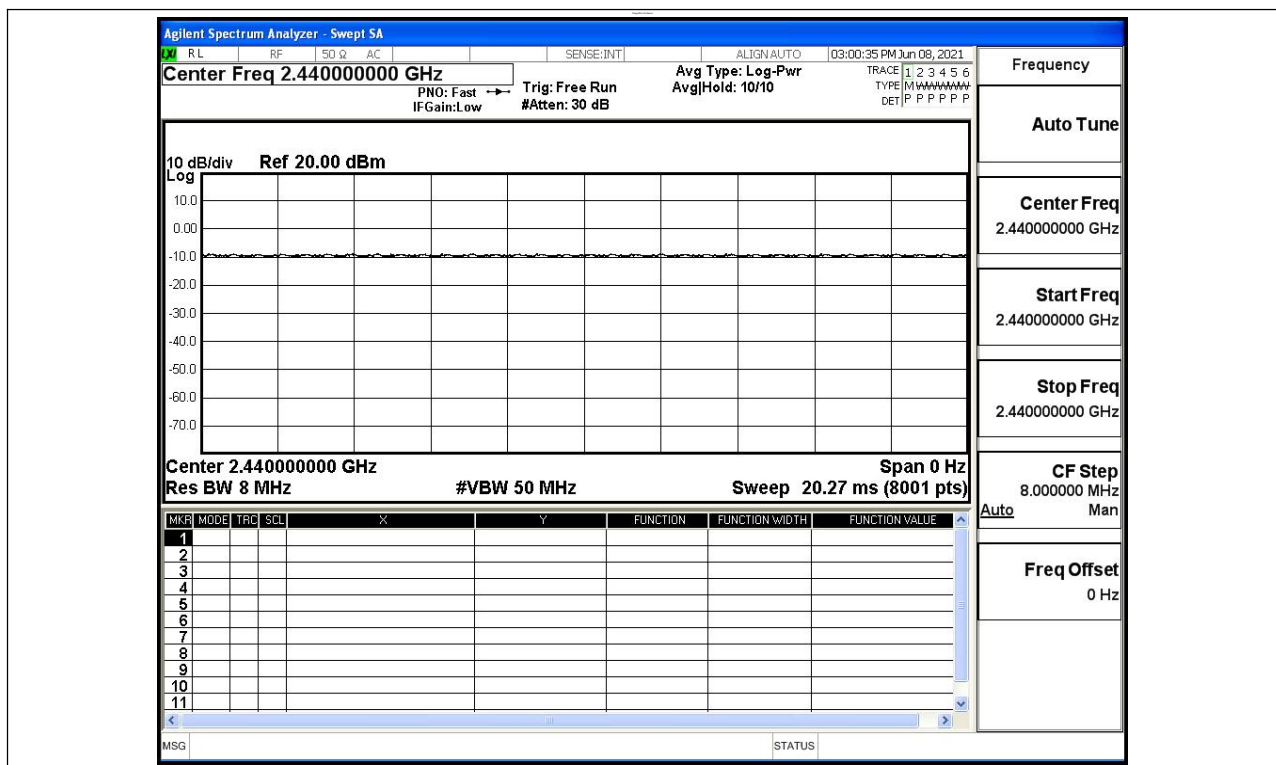
Test Model: T4HiS2013/41k

Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

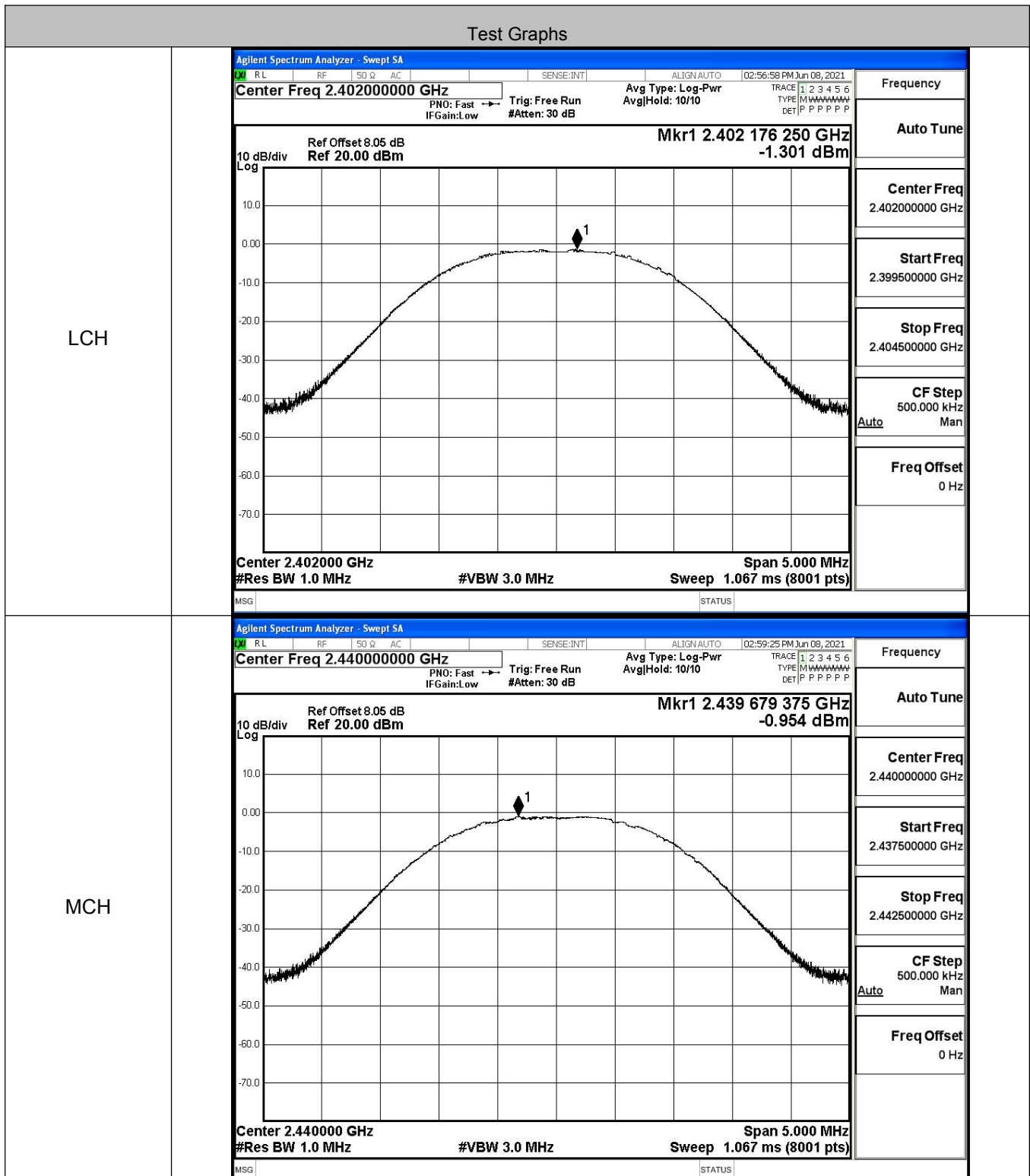
A.1 Duty Cycle

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	-1.301	30	PASS
BT LE	MCH	-0.954	30	PASS
BT LE	HCH	-0.774	30	PASS



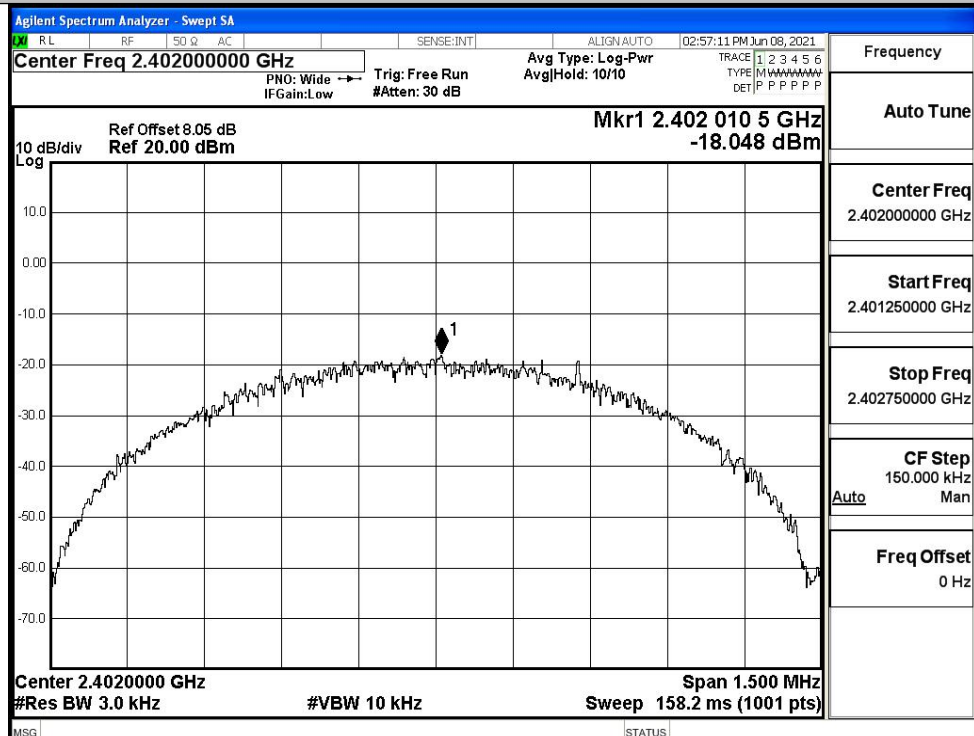


A.3 Maximum Power Spectral Density

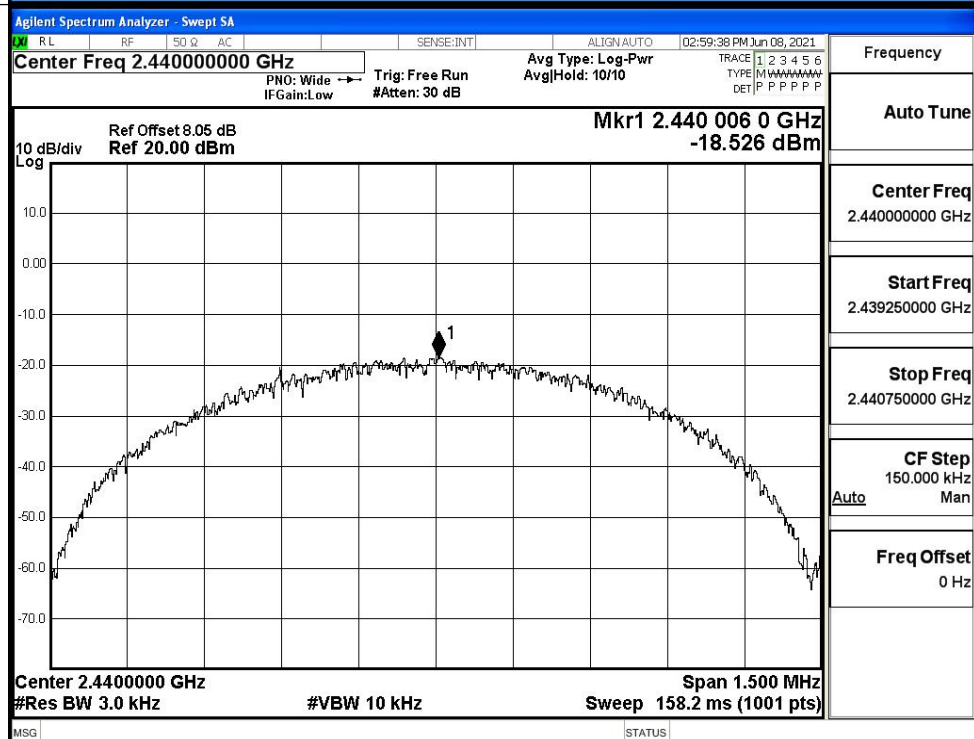
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-18.048	8	PASS
BT LE	MCH	-18.526	8	PASS
BT LE	HCH	-17.109	8	PASS

Test Graphs

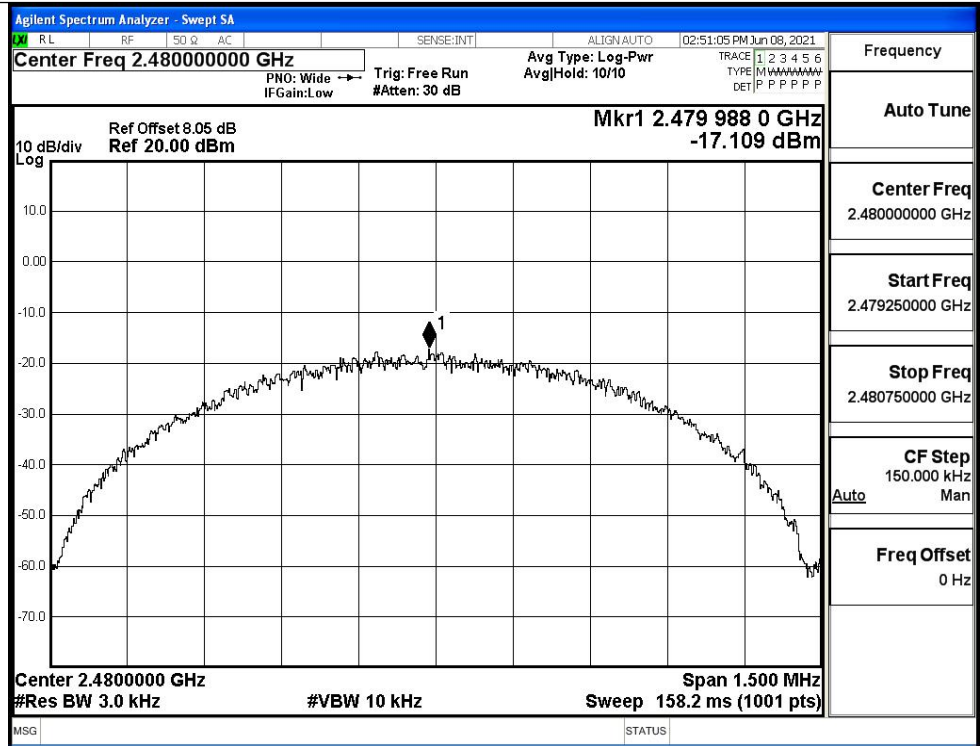
LCH



MCH



HCH

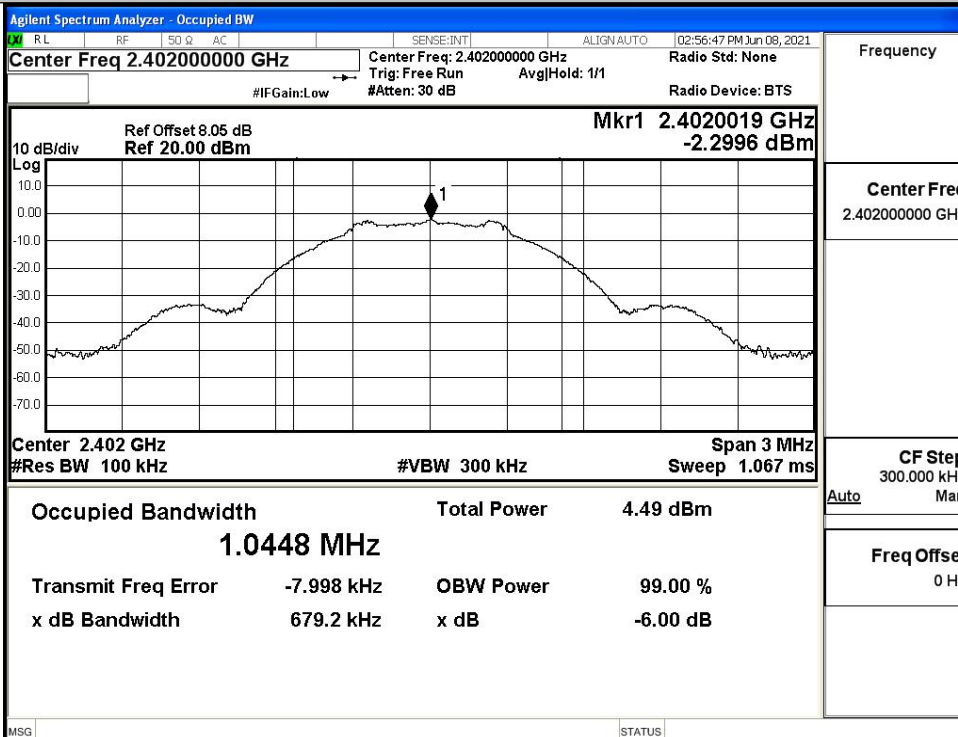


A.4 6dB Bandwidth

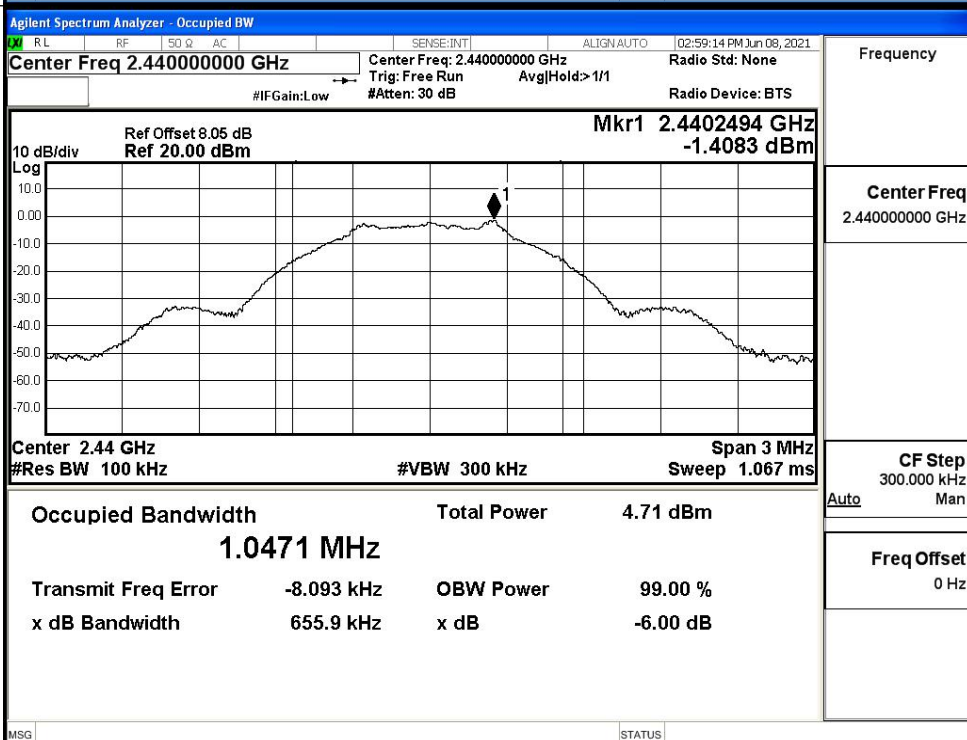
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6792	≥ 0.5	PASS
BT LE	MCH	0.6559	≥ 0.5	PASS
BT LE	HCH	0.6652	≥ 0.5	PASS

Test Graphs

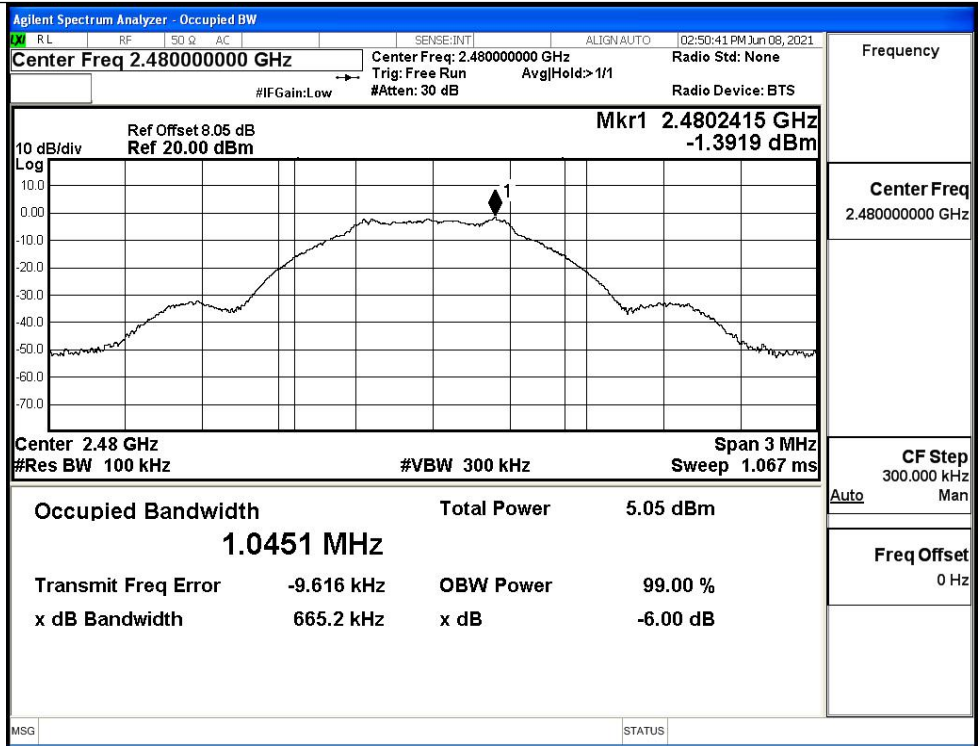
LCH



MCH

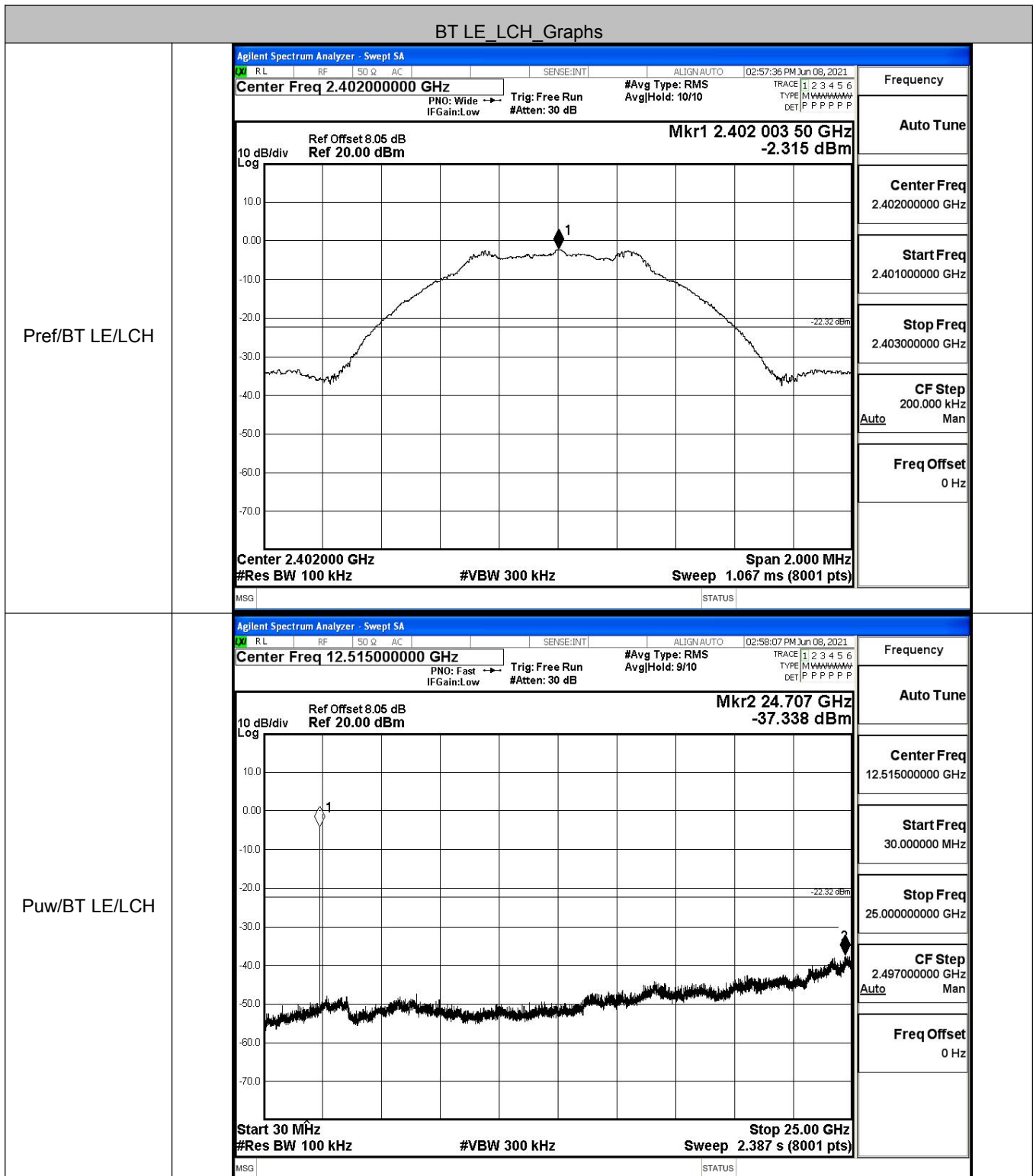


HCH



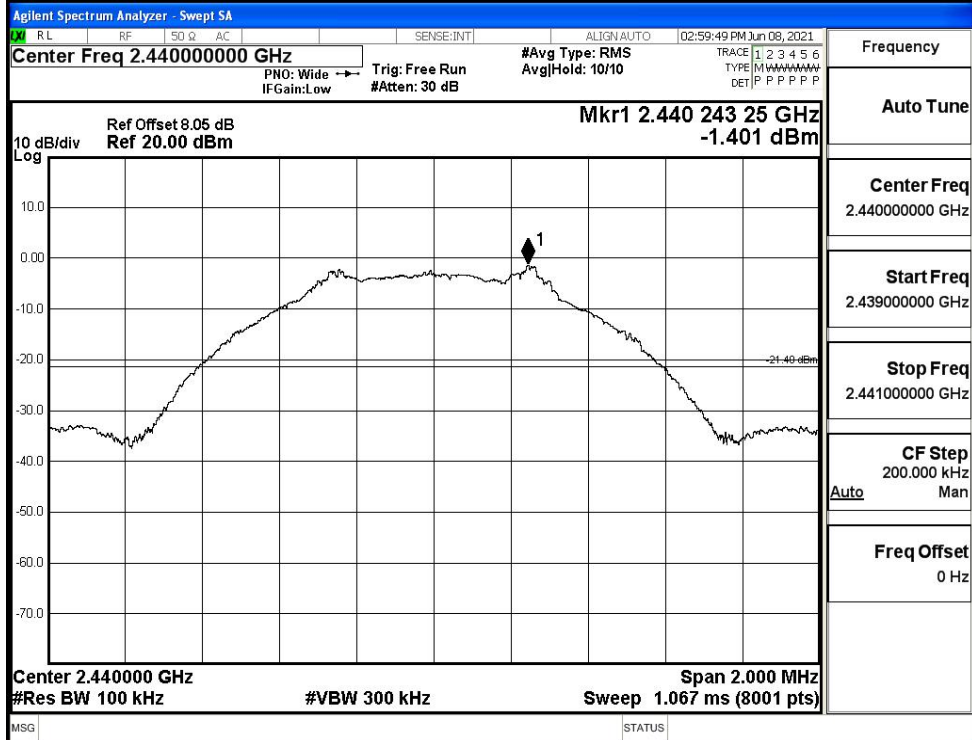
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.315	-37.338	-22.315	PASS
BT LE	MCH	-1.401	-37.167	-21.401	PASS
BT LE	HCH	-2.003	-37.396	-22.003	PASS

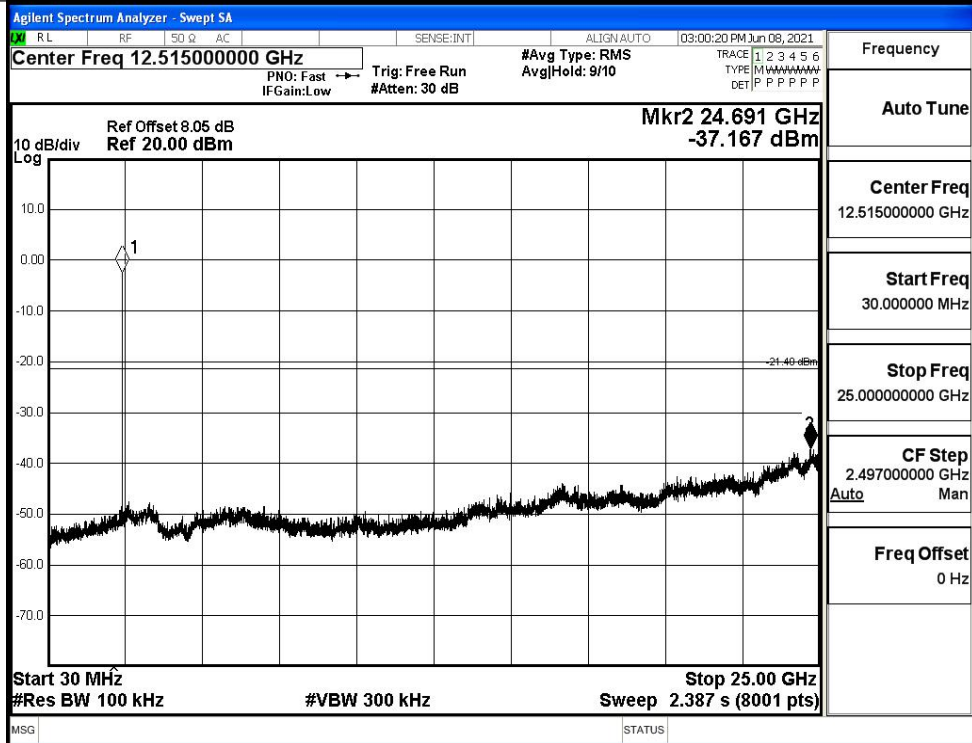


BT LE MCH Graphs

Pref/BT LE/MCH

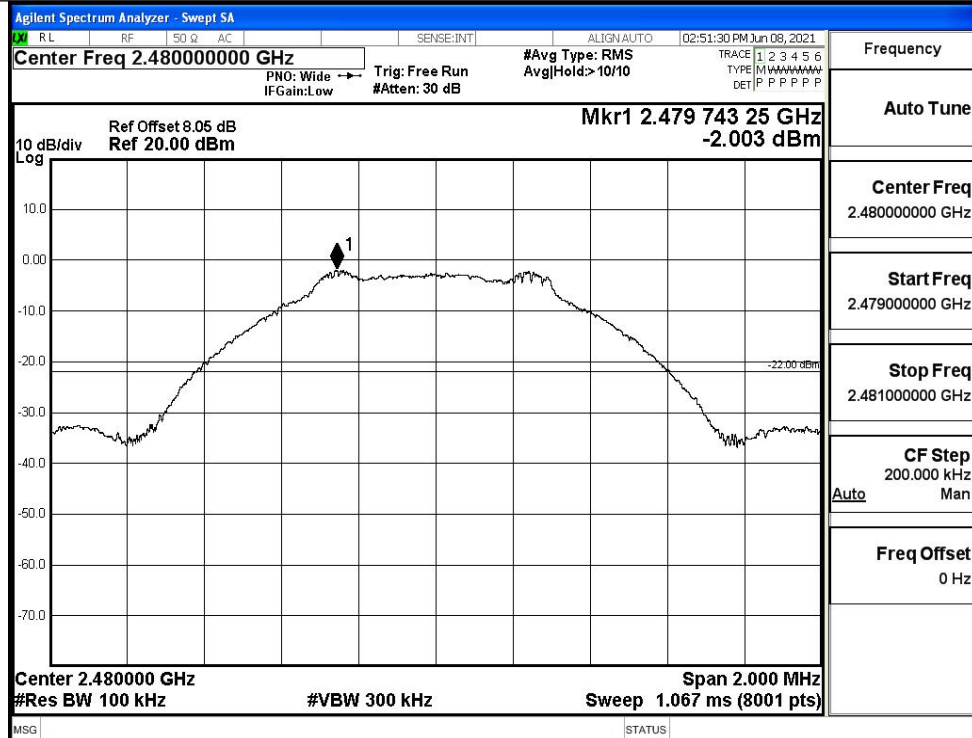


Puw/BT LE/MCH

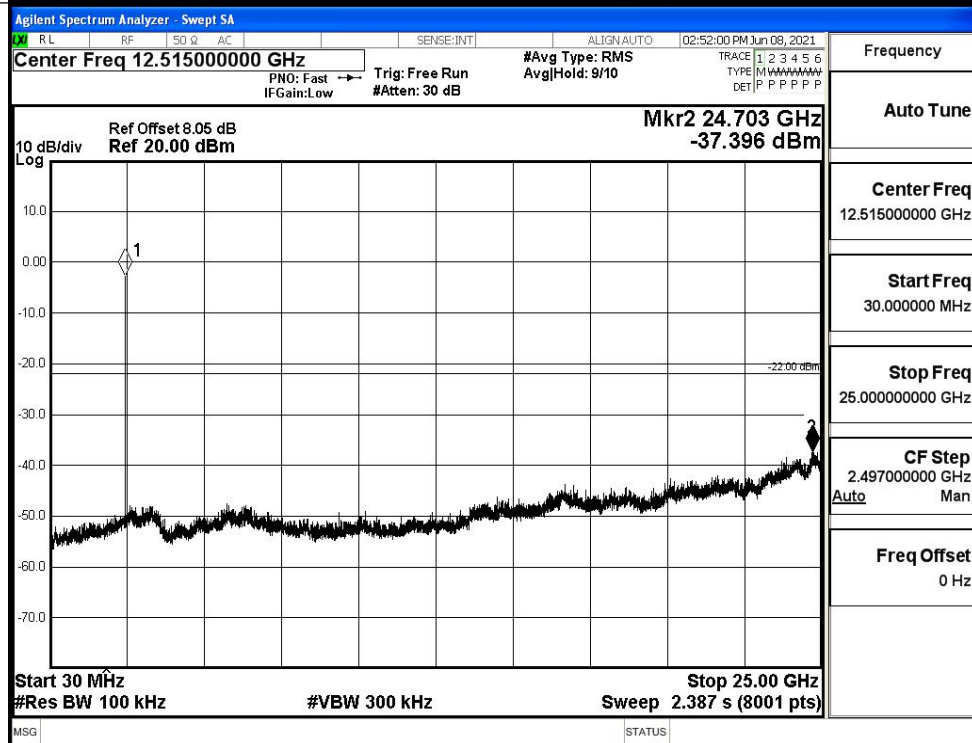


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

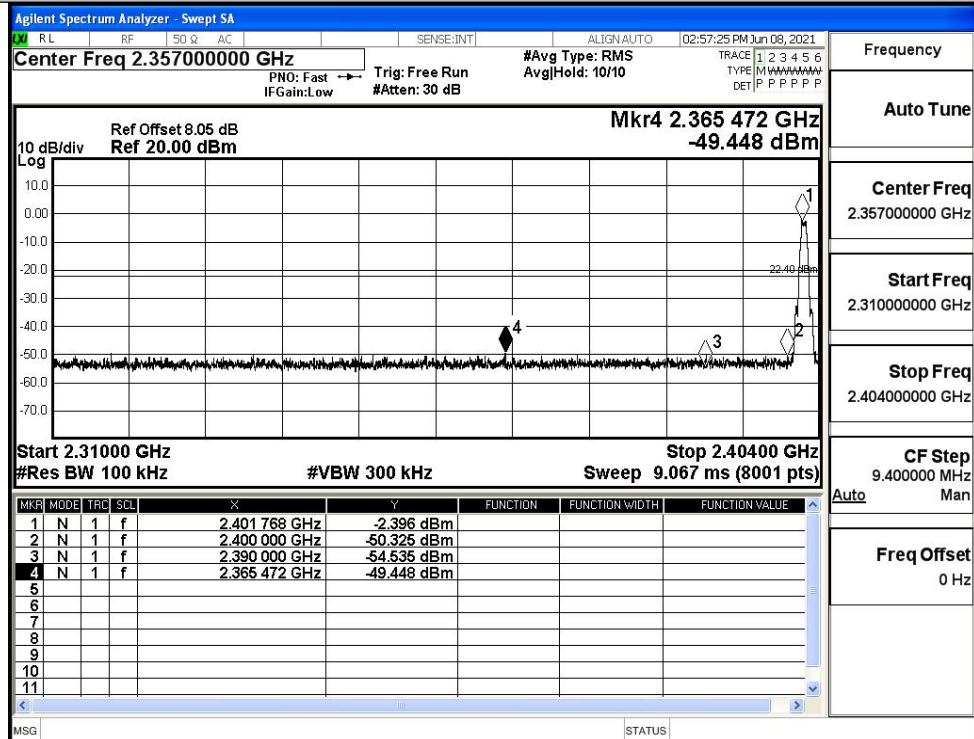


A.6 Band-edge for RF Conducted Emissions

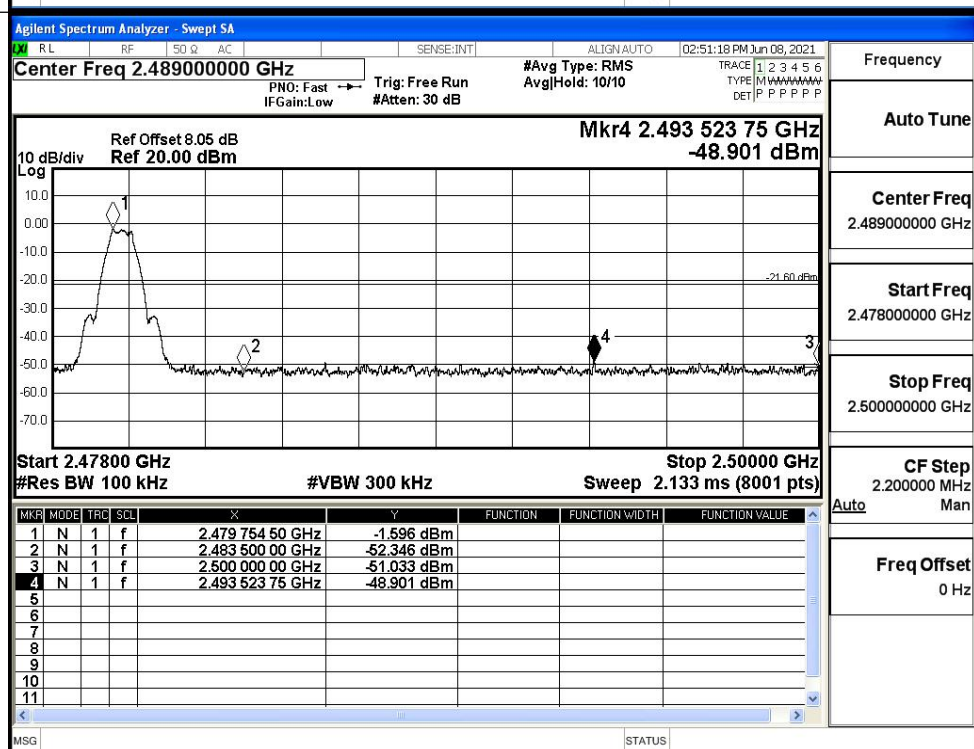
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.396	-49.448	-22.4	PASS
BT LE	HCH	-1.596	-48.901	-21.6	PASS

Test Graphs

LCH



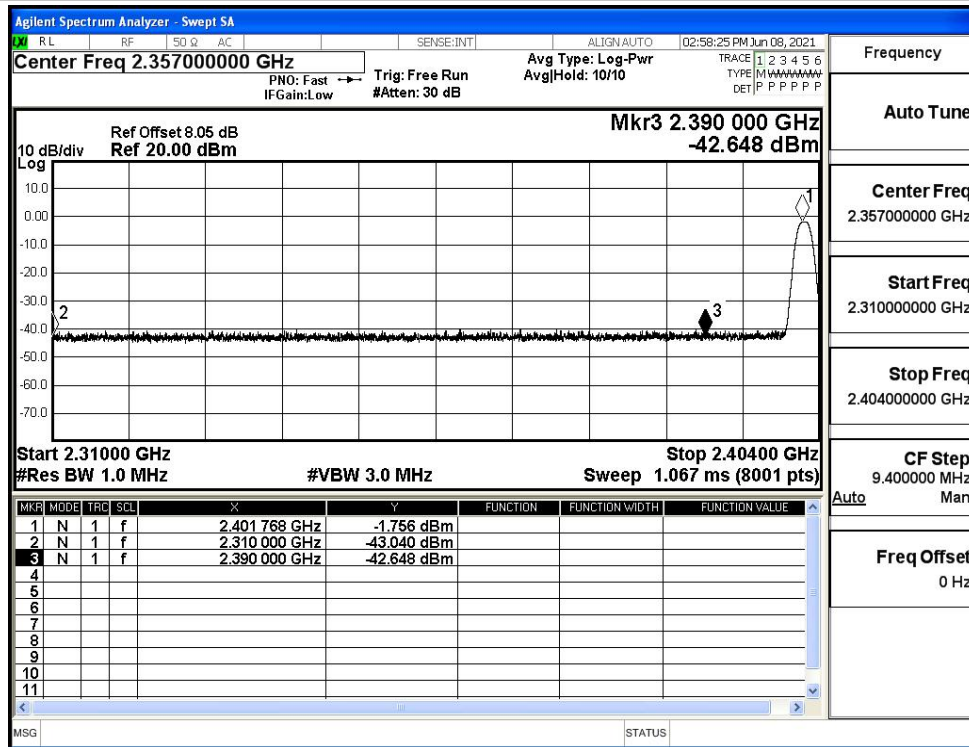
HCH



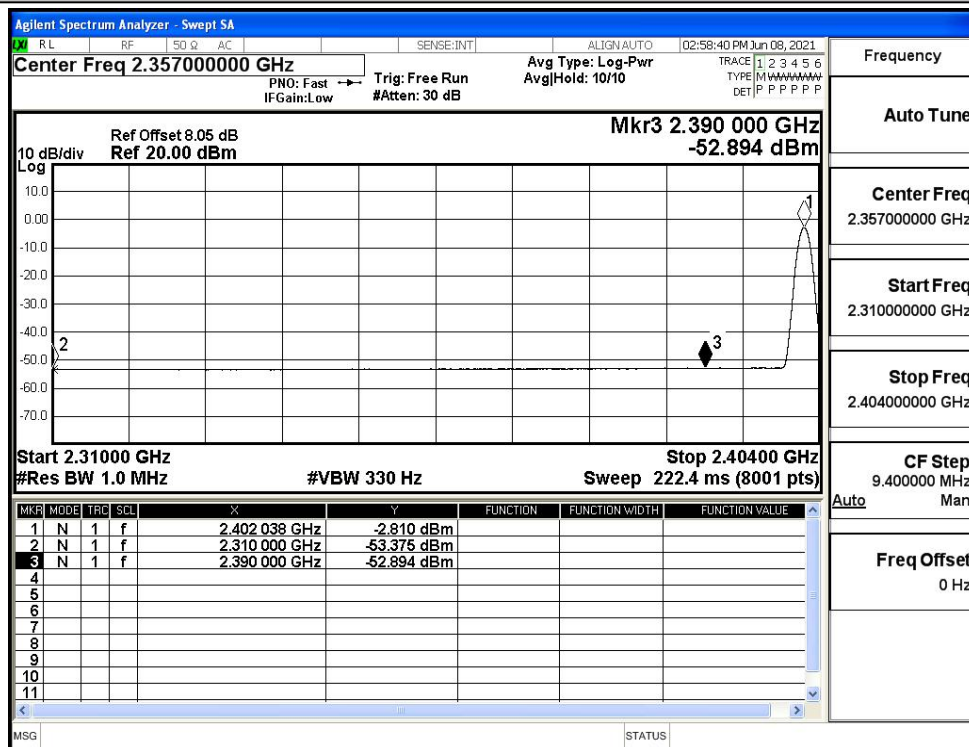
A.7 Restrict-band band-edge measurements

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	-43.04	2.0	0	54.19	PEAK	74	PASS
		Ant1	2310.0	-53.38	2.0	0	43.85	AV	54	PASS
		Ant1	2390.0	-42.65	2.0	0	54.58	PEAK	74	PASS
		Ant1	2390.0	-52.89	2.0	0	44.34	AV	54	PASS
	2480	Ant1	2483.5	-41.91	2.0	0	55.32	PEAK	74	PASS
		Ant1	2483.5	-52.50	2.0	0	44.73	AV	54	PASS
		Ant1	2500.0	-42.14	2.0	0	55.09	PEAK	74	PASS
		Ant1	2500.0	-52.34	2.0	0	44.89	AV	54	PASS

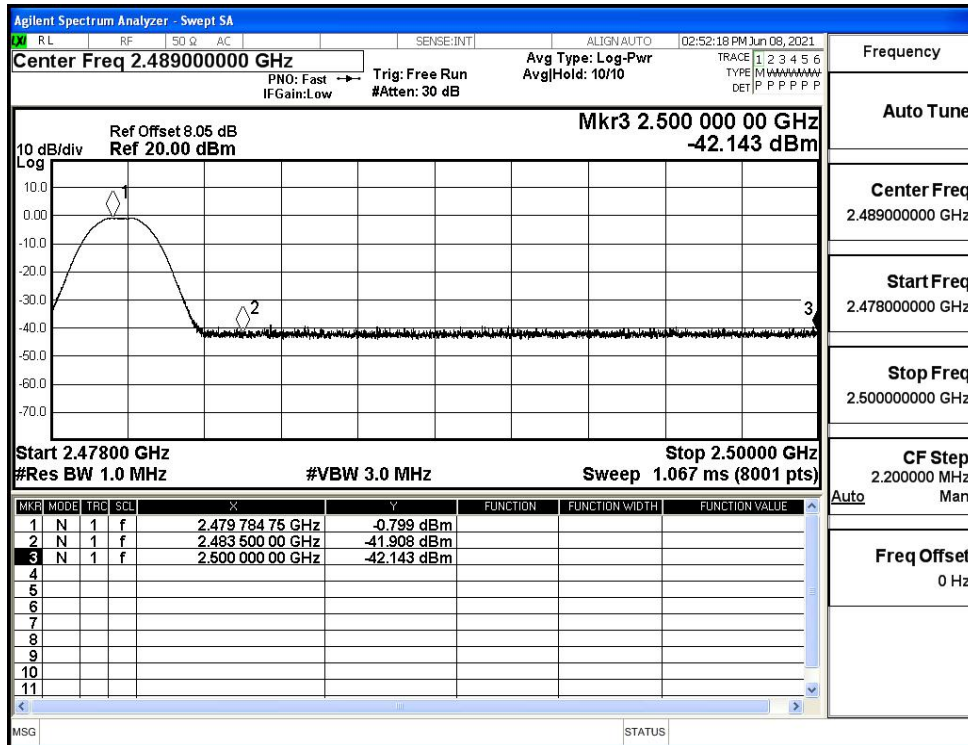
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

