

Appendix A

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

Product Name: Ceiling fan remote control kit

Trade Mark: YukiHalu

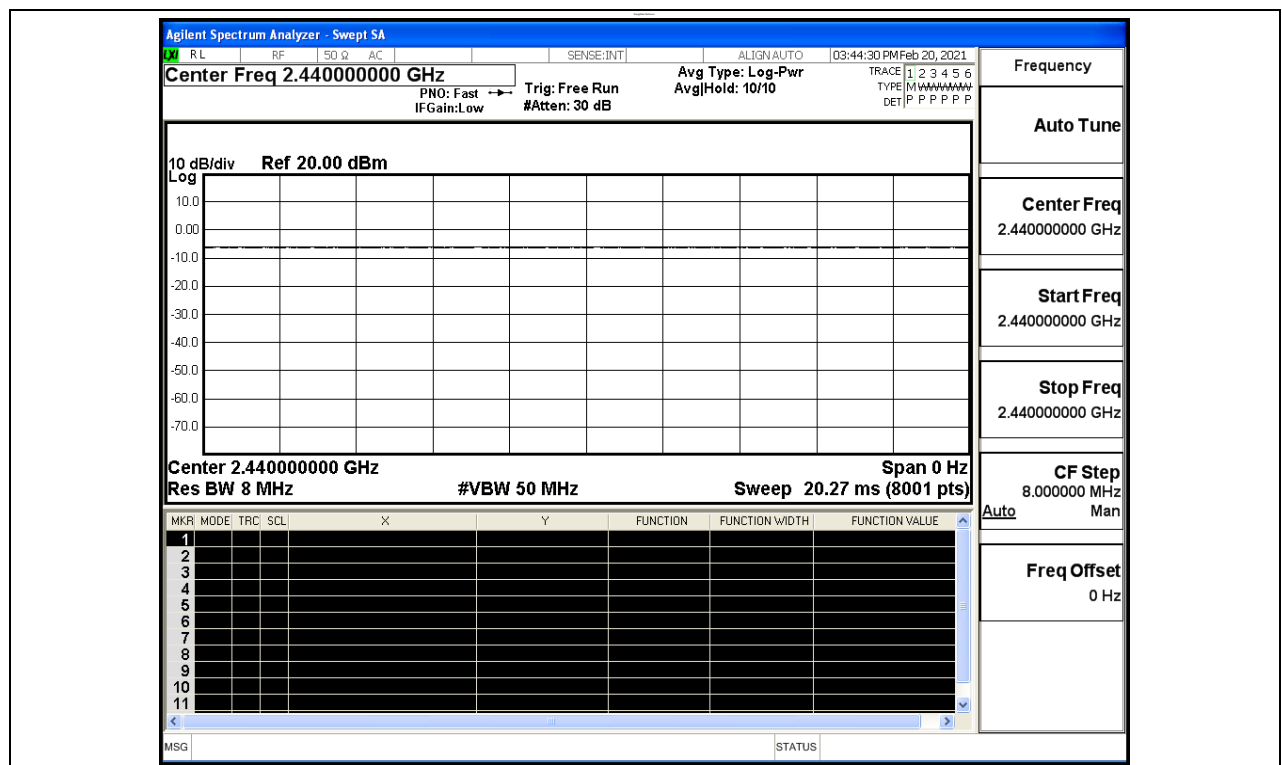
Test Model: FRT-2001A

Environmental Conditions

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

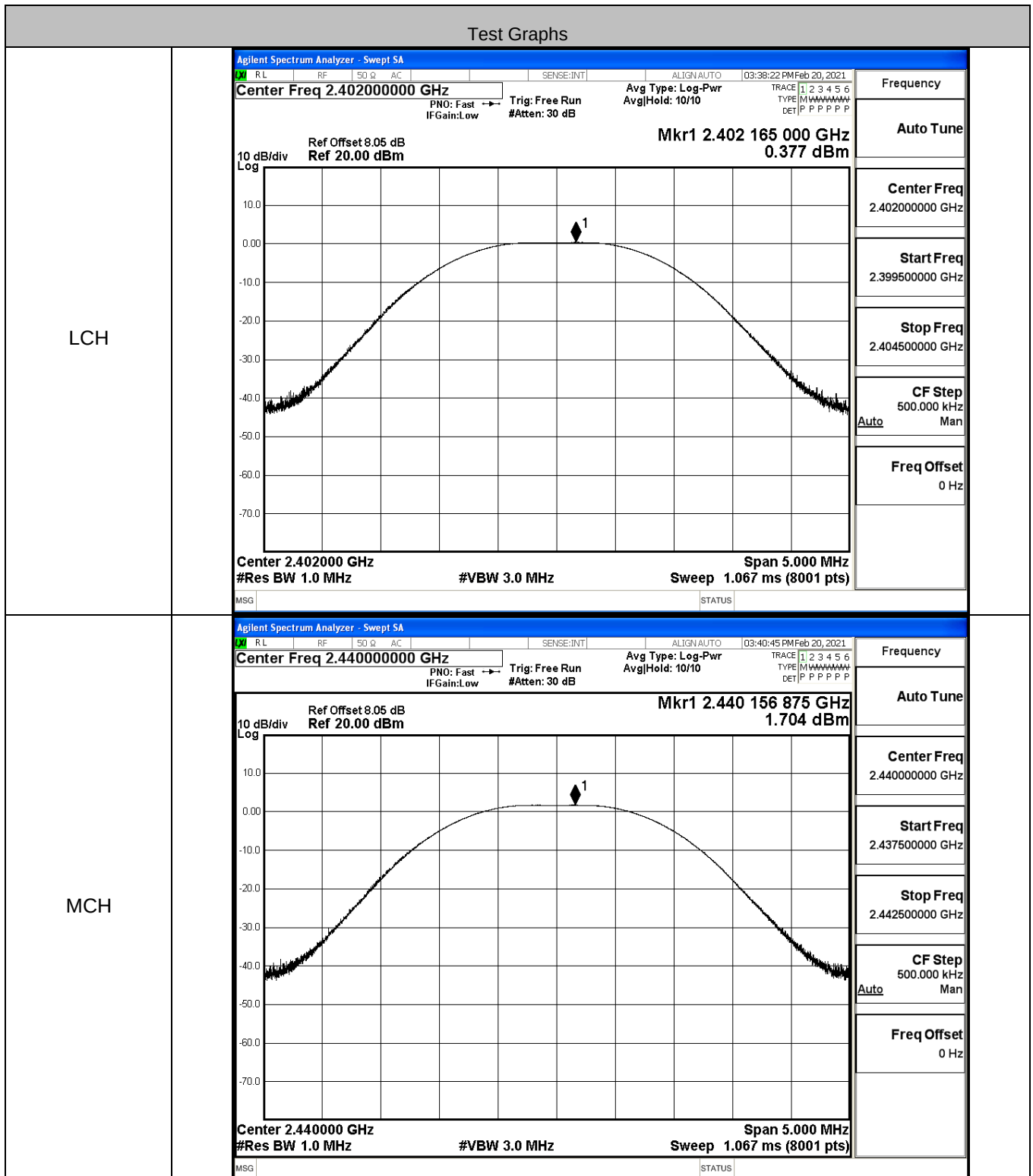
A.1 Duty Cycle

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

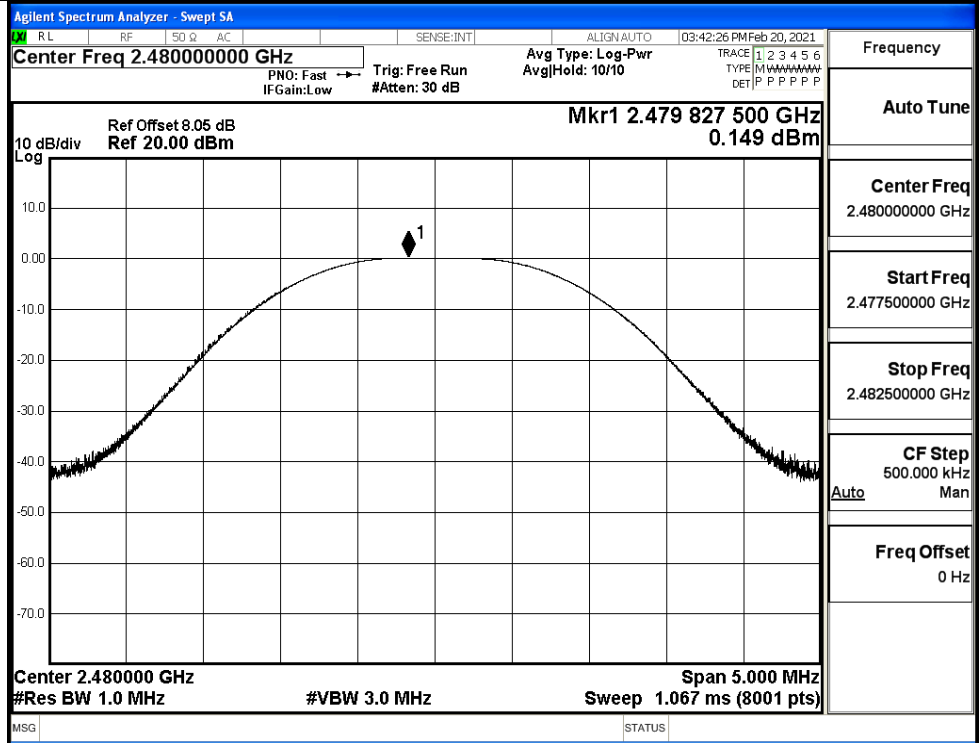


A.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.377	30	PASS
BT LE	MCH	1.704	30	PASS
BT LE	HCH	0.149	30	PASS

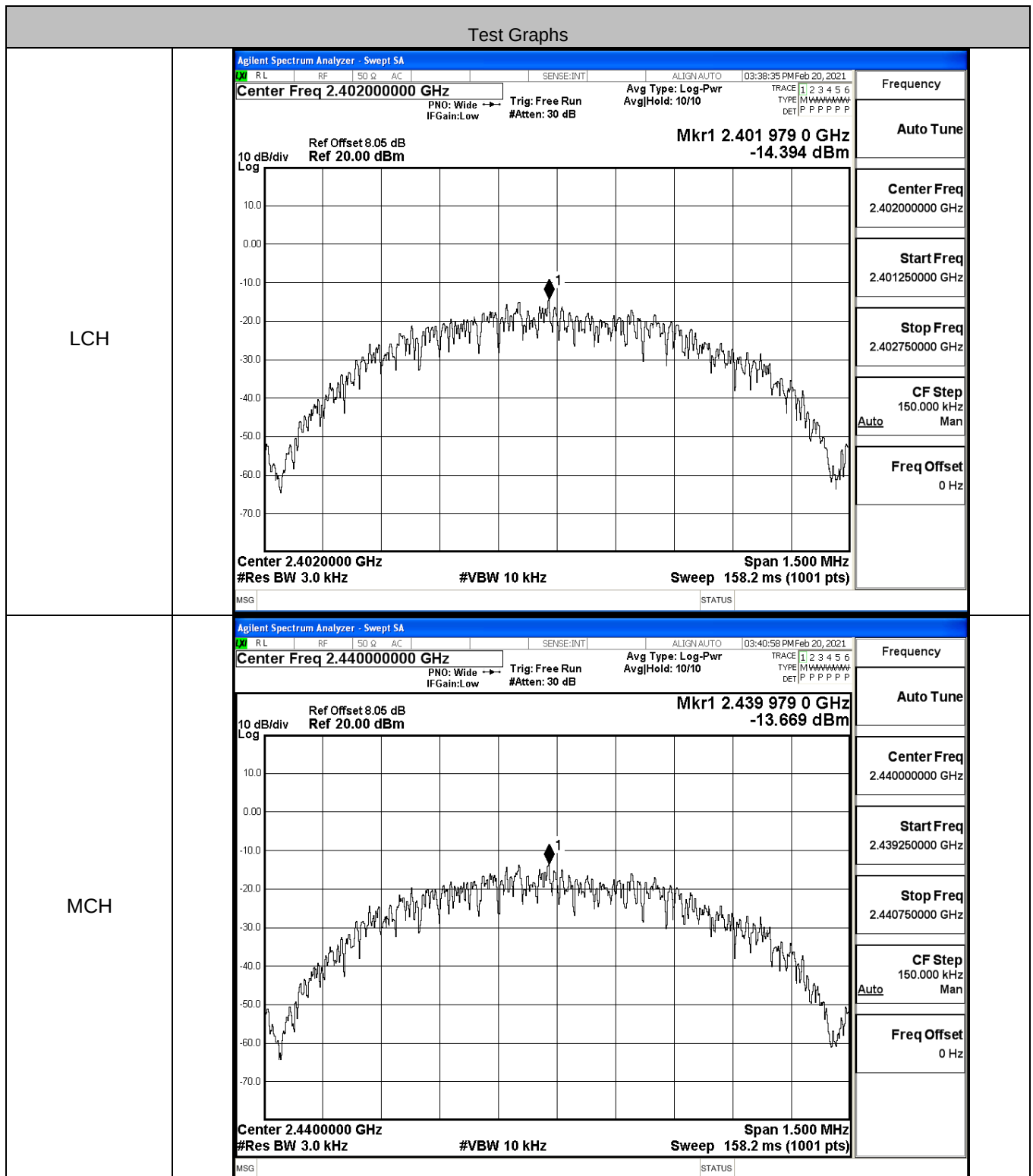


HCH

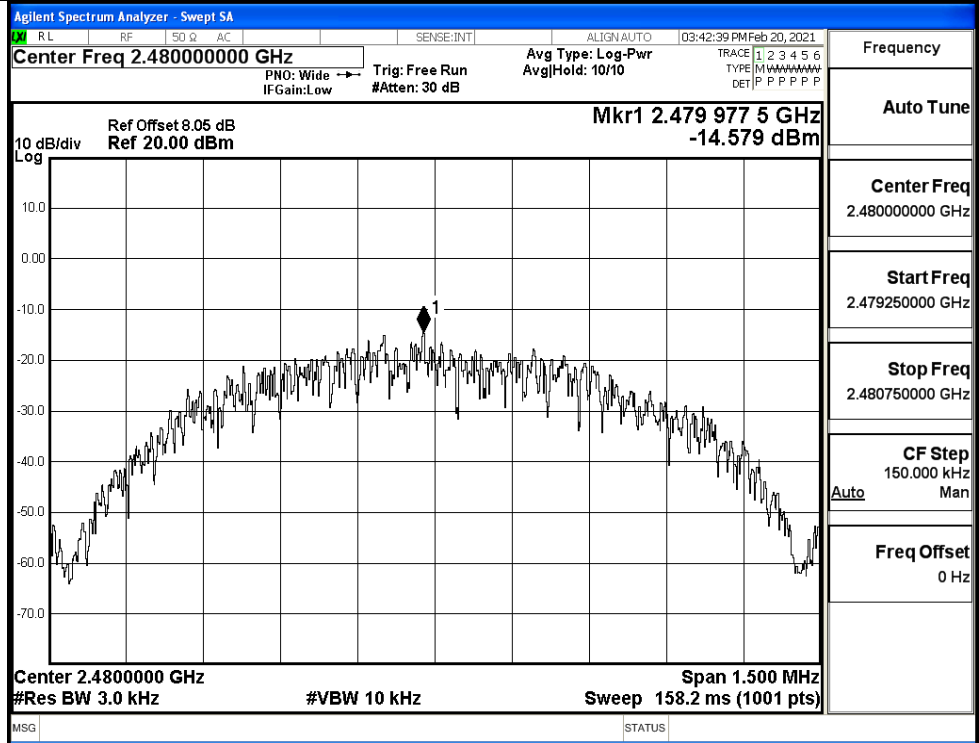


A.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.394	8	PASS
BT LE	MCH	-13.669	8	PASS
BT LE	HCH	-14.579	8	PASS



HCH

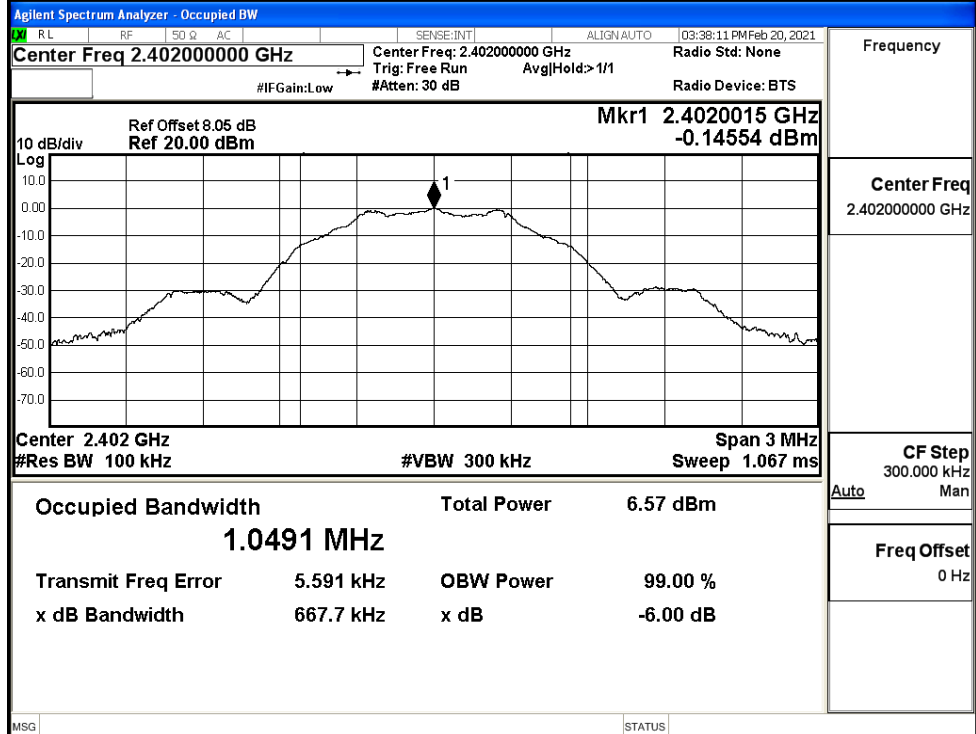


A.4 6dB Bandwidth

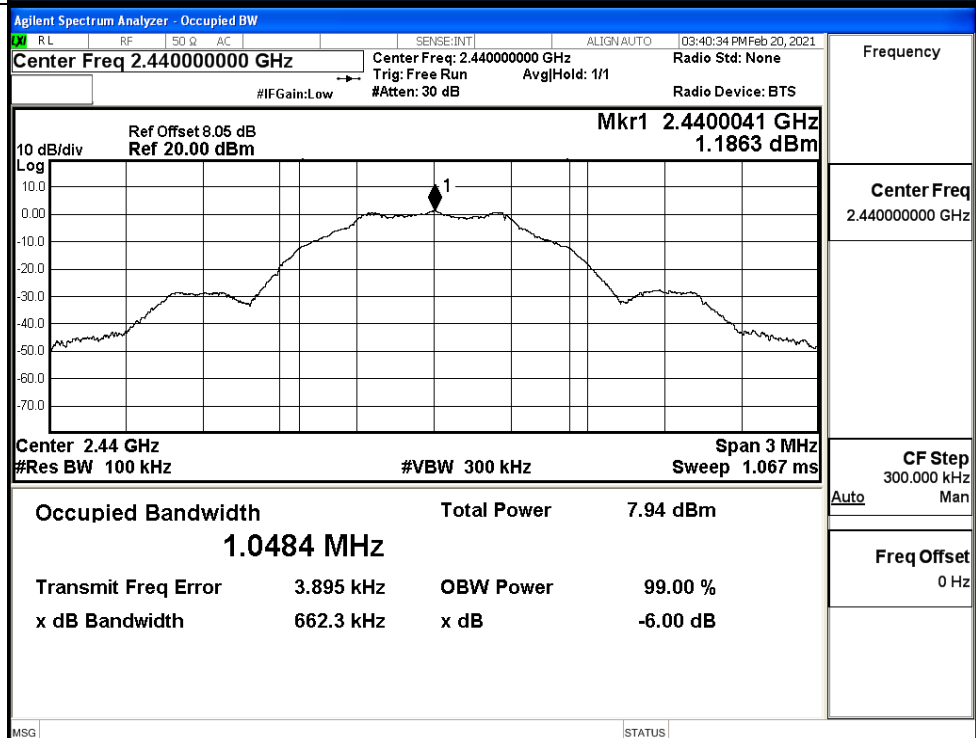
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6677	≥ 0.5	PASS
BT LE	MCH	0.6623	≥ 0.5	PASS
BT LE	HCH	0.6696	≥ 0.5	PASS

Test Graphs

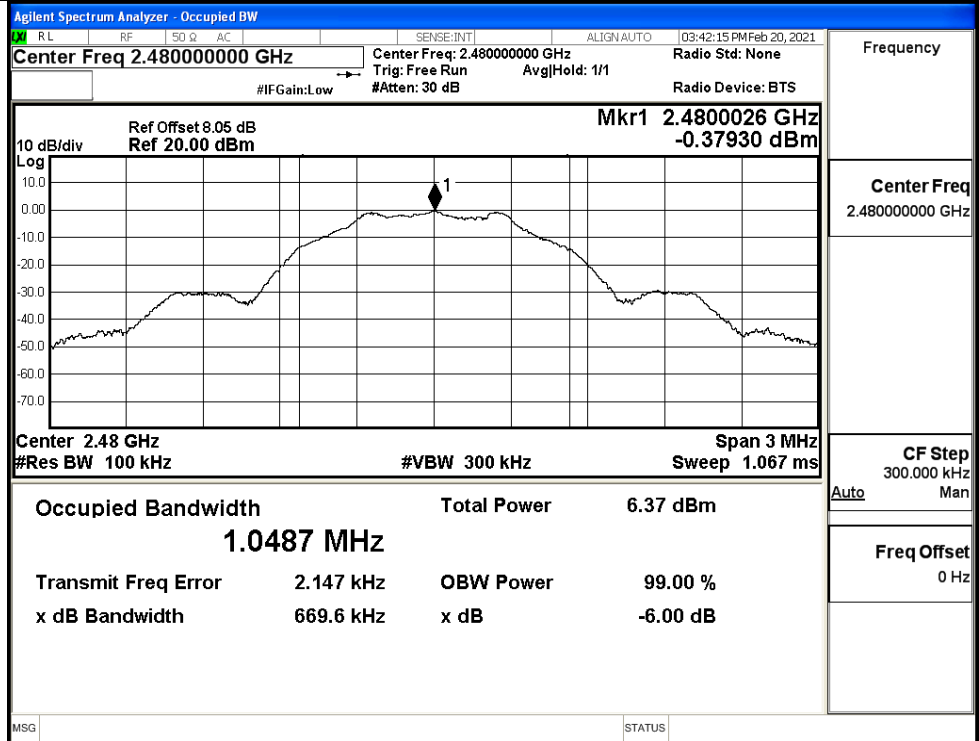
LCH



MCH

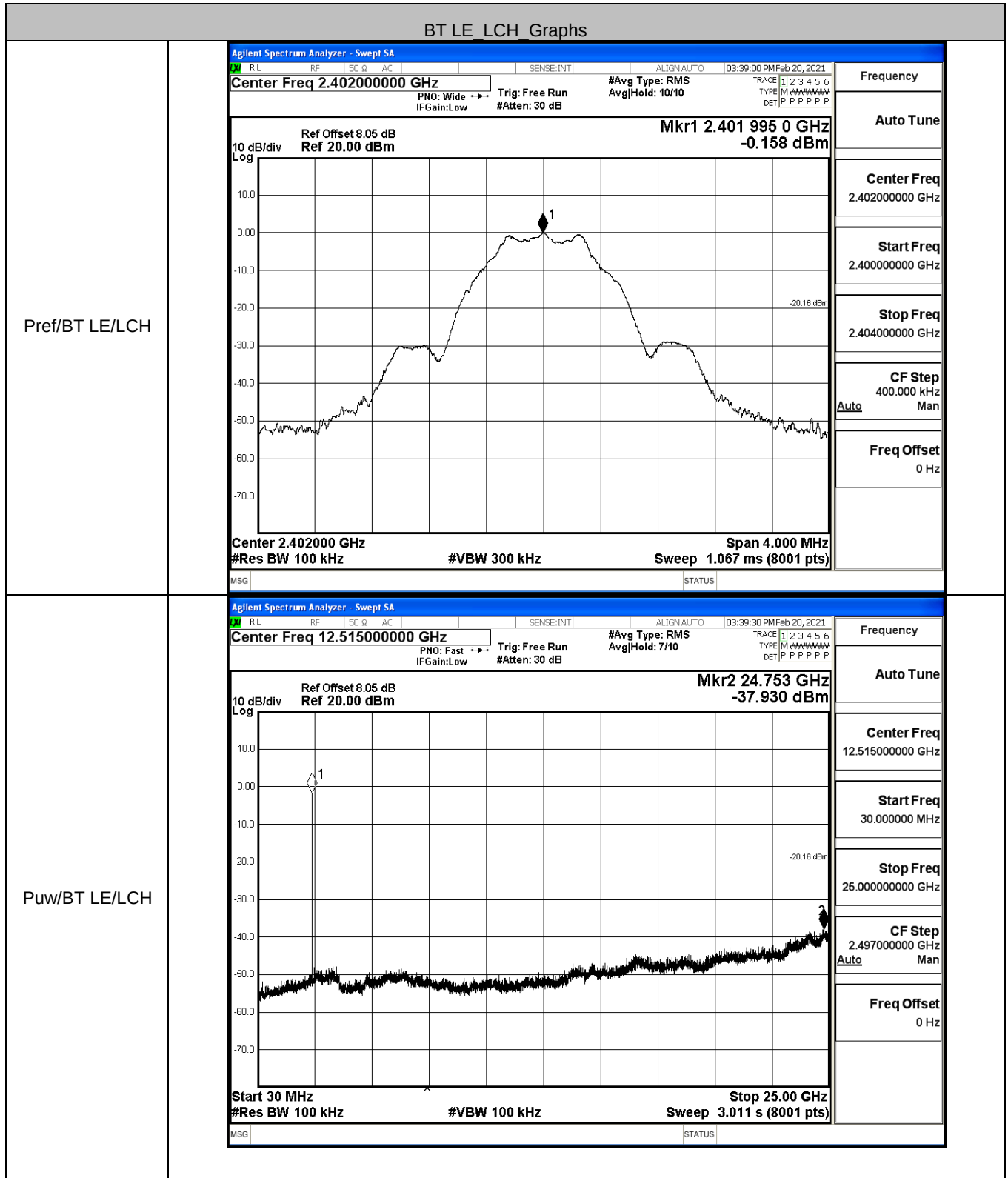


HCH



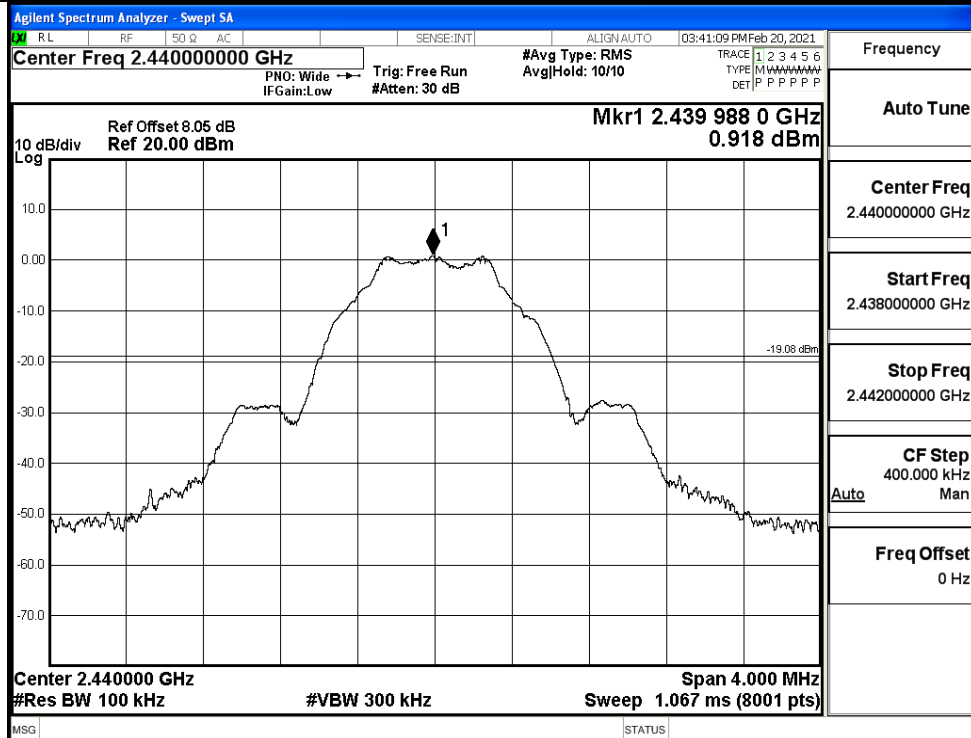
A.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.158	-37.930	-20.158	PASS
BT LE	MCH	0.918	-37.597	-19.082	PASS
BT LE	HCH	-0.392	-36.364	-20.392	PASS

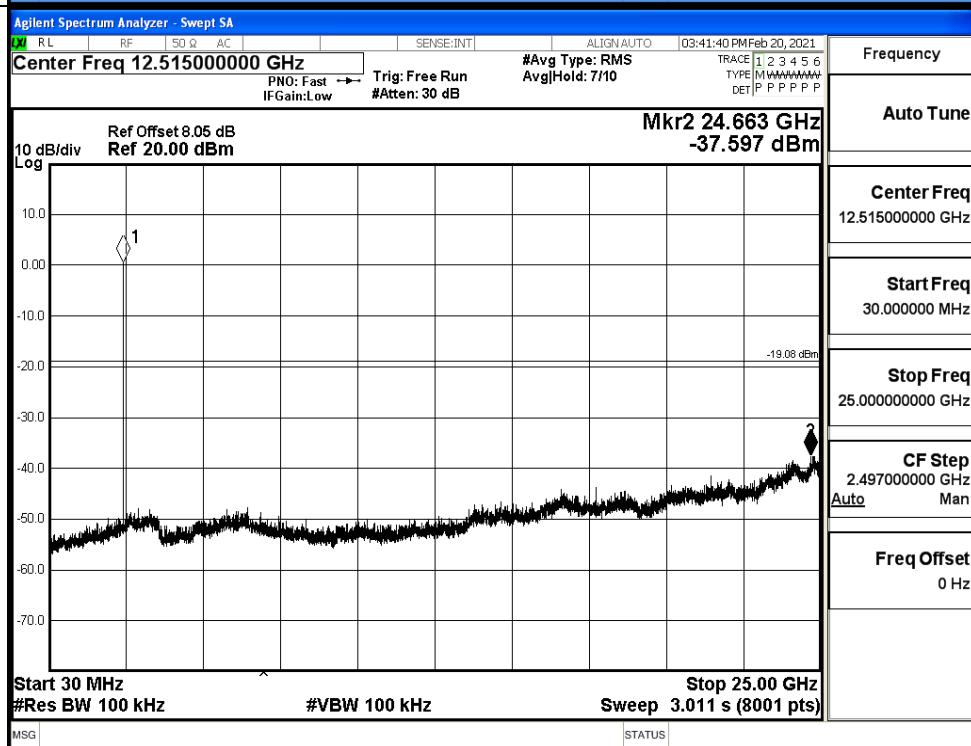


BT LE MCH Graphs

Pref/BT LE/MCH

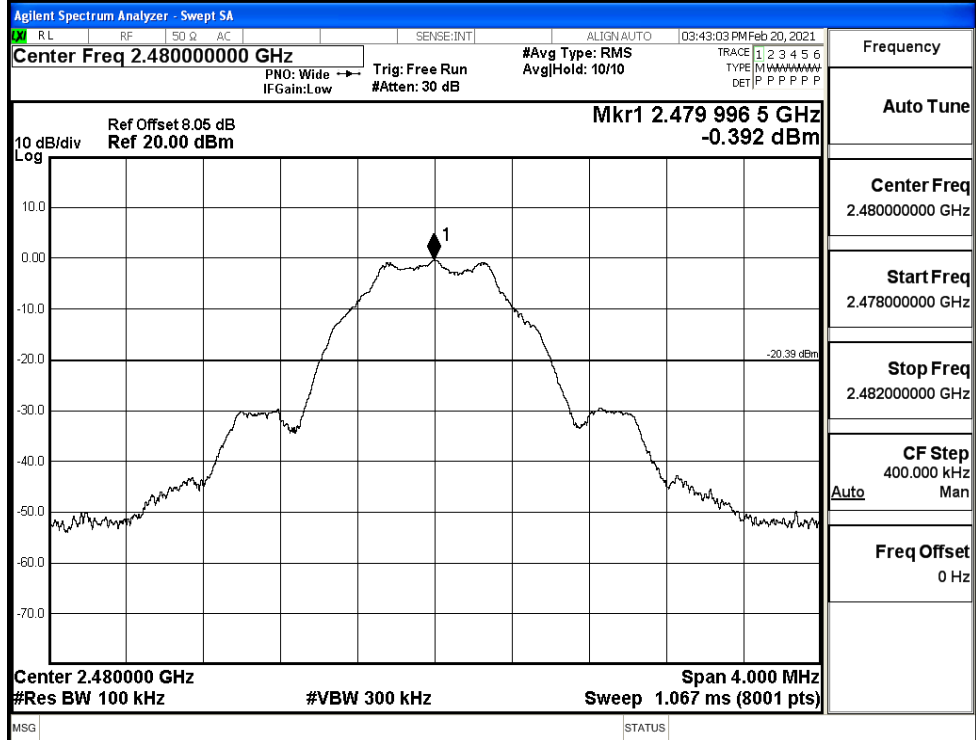


Puw/BT LE/MCH

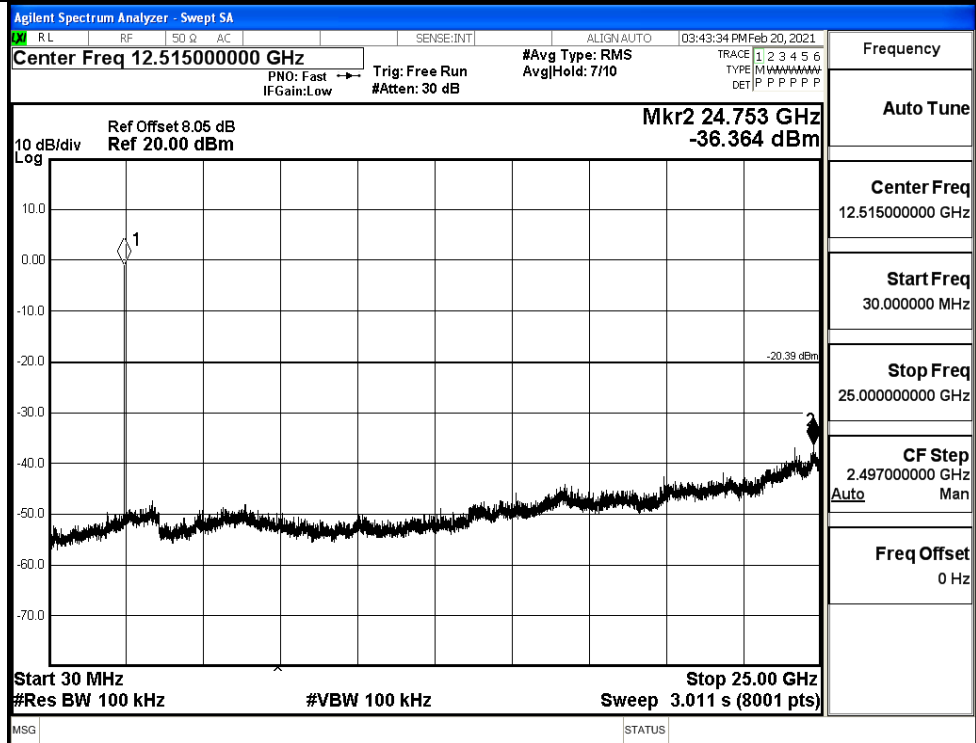


BT LE HCH Graphs

Pref/BT LE/HCH

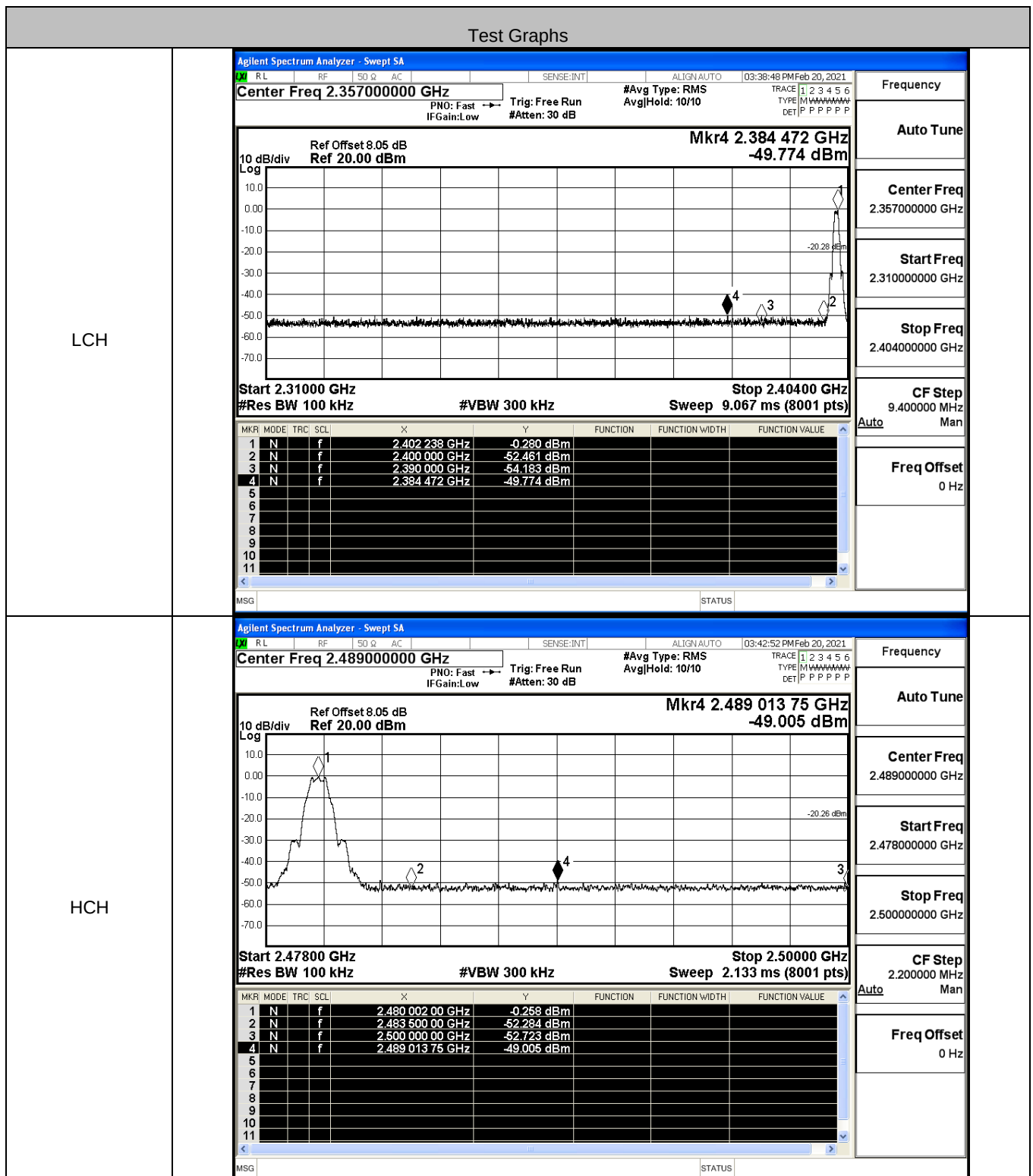


Puw/BT LE/HCH



A.6 Band-edge for RF Conducted Emissions

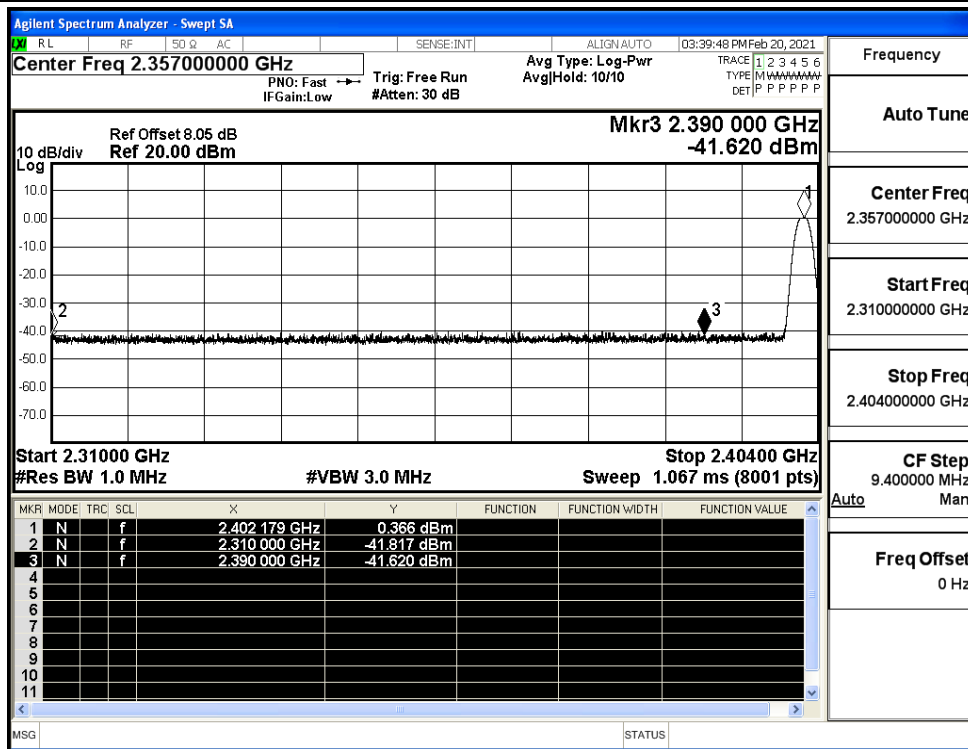
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.280	-49.774	-20.28	PASS
BT LE	HCH	-0.258	-49.005	-20.26	PASS



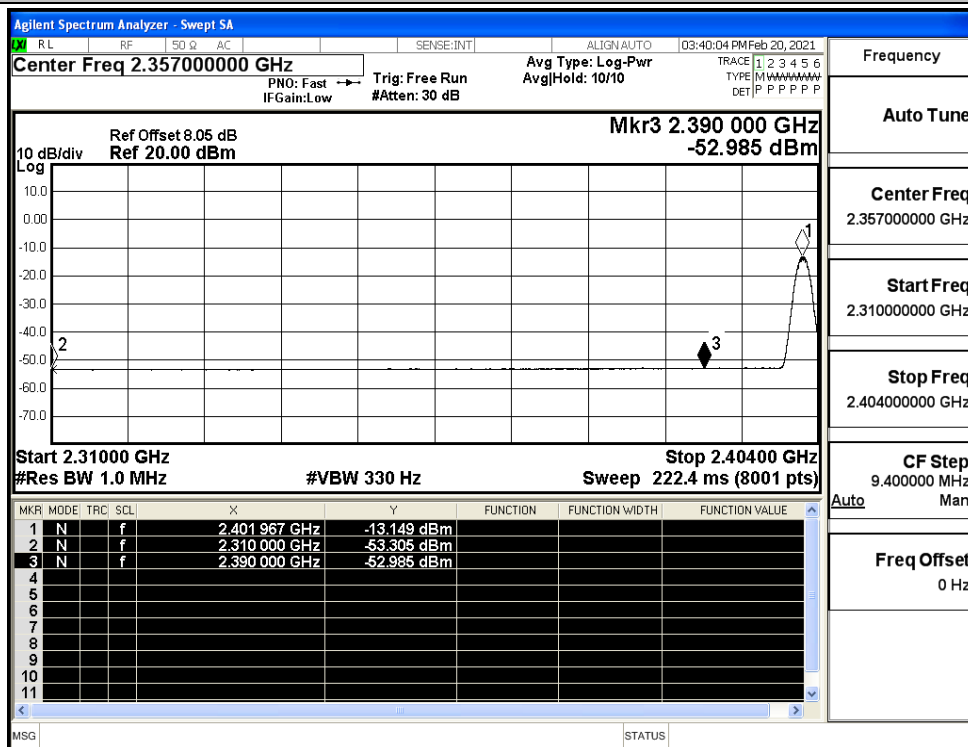
A.7 Restrict-band band-edge measurements

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	-41.82	2.0	0	53.44	PEAK	74	PASS
		Ant1	2310.0	-53.31	2.0	0	41.95	AV	54	PASS
		Ant1	2390.0	-41.62	2.0	0	53.64	PEAK	74	PASS
		Ant1	2390.0	-52.99	2.0	0	42.27	AV	54	PASS
	2480	Ant1	2483.5	-41.10	2.0	0	54.16	PEAK	74	PASS
		Ant1	2483.5	-52.54	2.0	0	42.72	AV	54	PASS
		Ant1	2500.0	-42.62	2.0	0	52.64	PEAK	74	PASS
		Ant1	2500.0	-52.36	2.0	0	42.90	AV	54	PASS

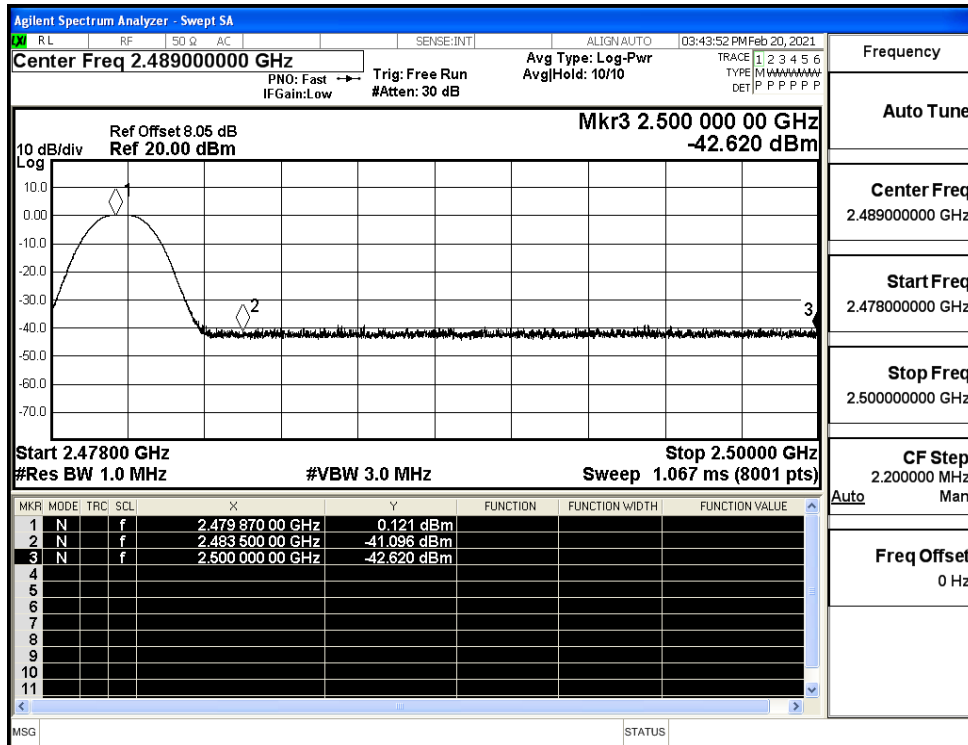
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

