

Appendix B

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

Product Name: Chuangze brand autonomous mobile intelligent disinfection robot (CZ-RobotDf-DZ type)

Trade Mark: N/A

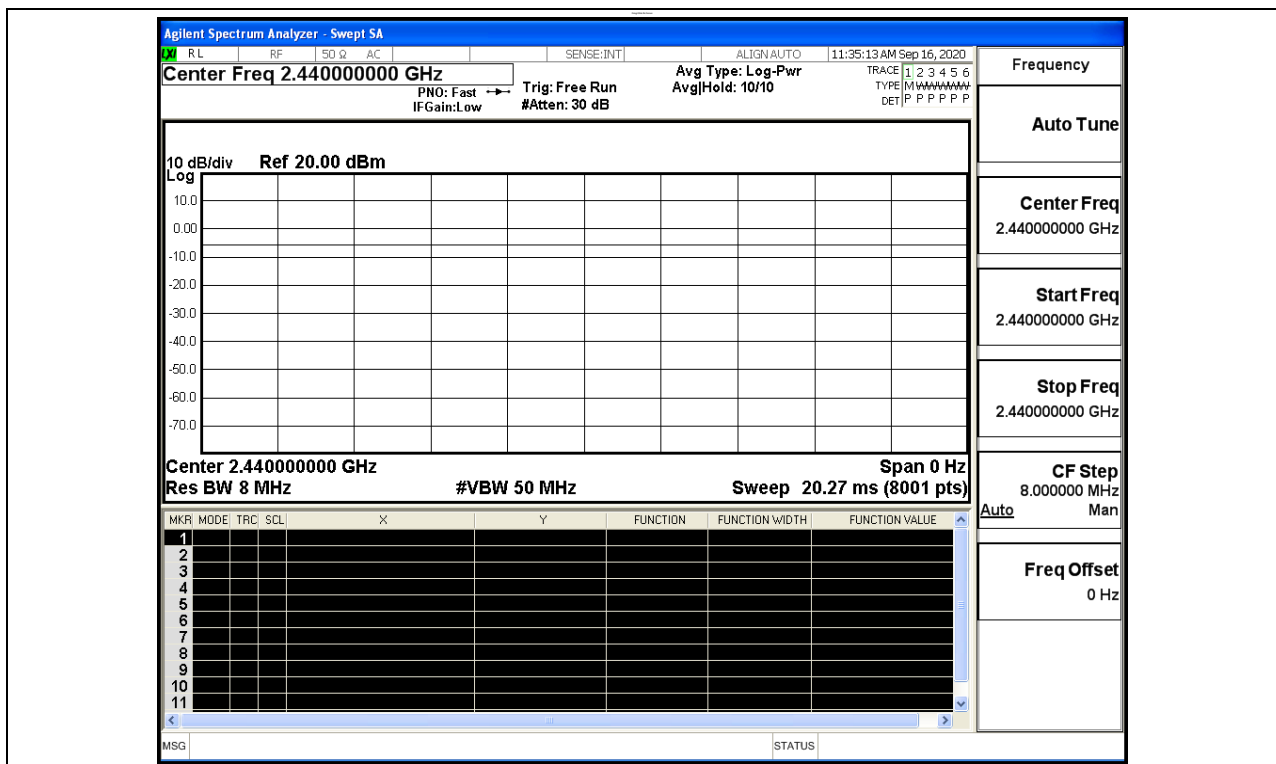
Test Model: CZ-RobotDf-DZ

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Carl Fu
Supervised by:	Li Huan

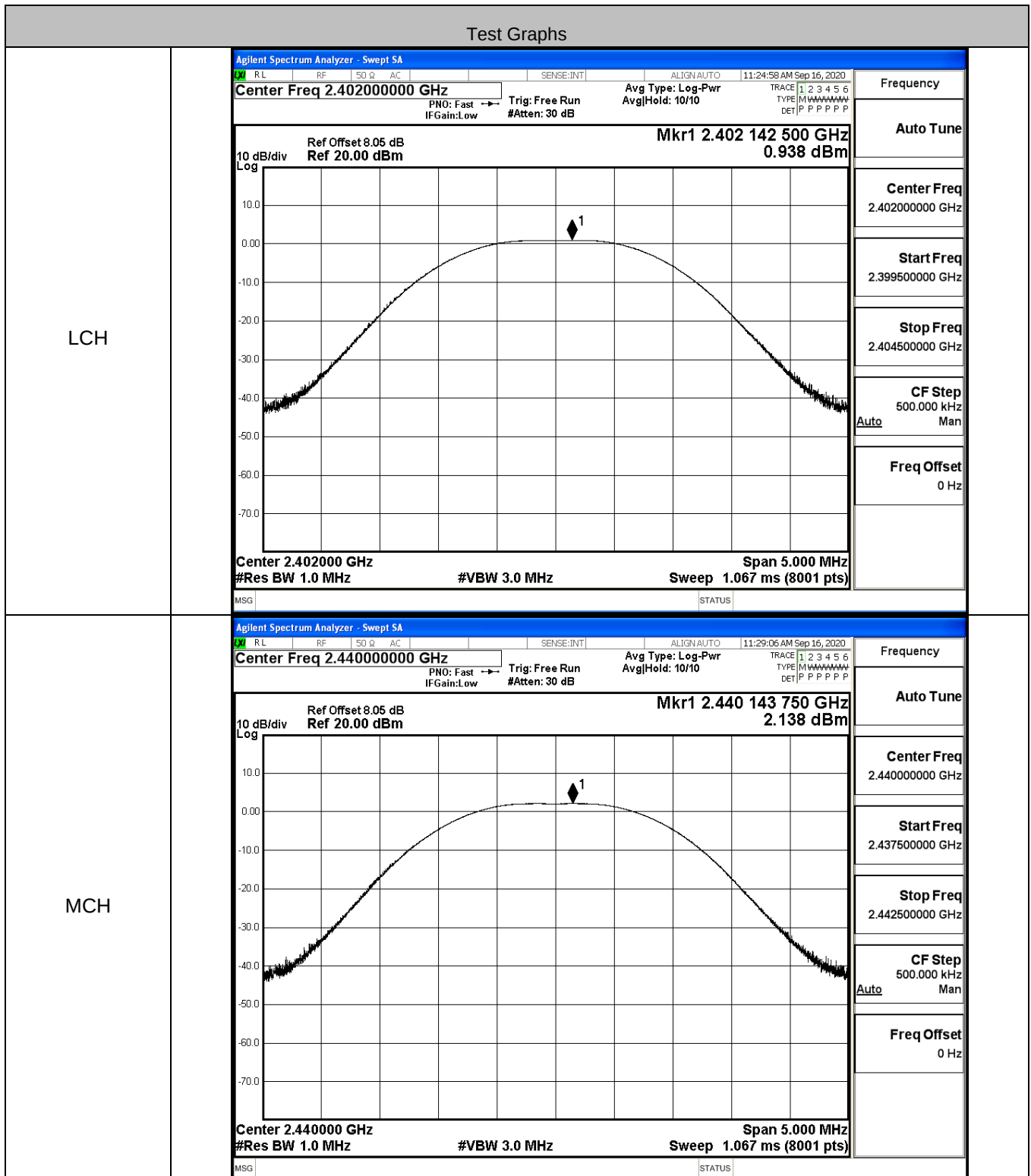
B.1 Duty Cycle

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



B.2 Maximum Conducted Peak Output Power

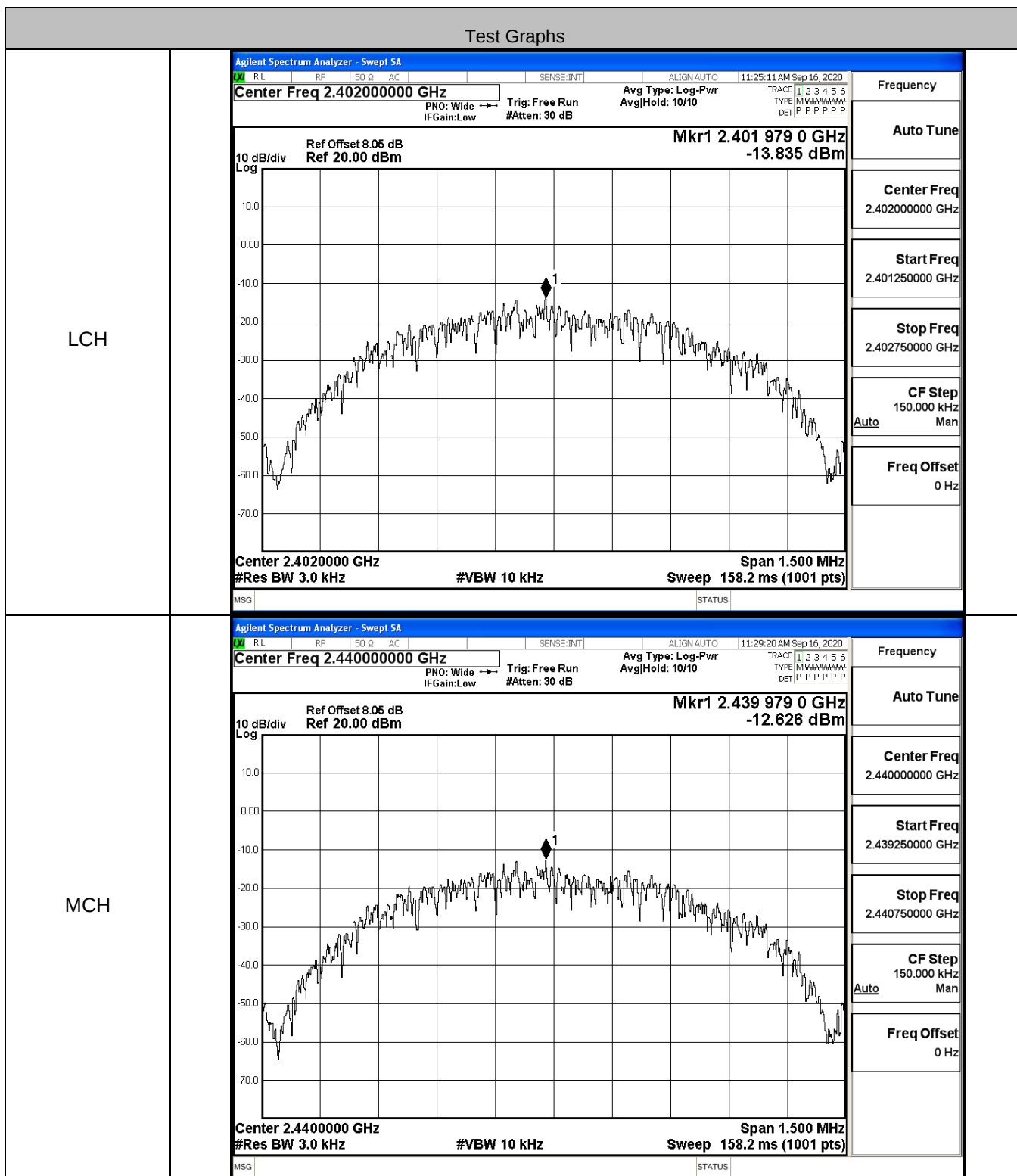
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.938	30	PASS
BT LE	MCH	2.138	30	PASS
BT LE	HCH	1.016	30	PASS

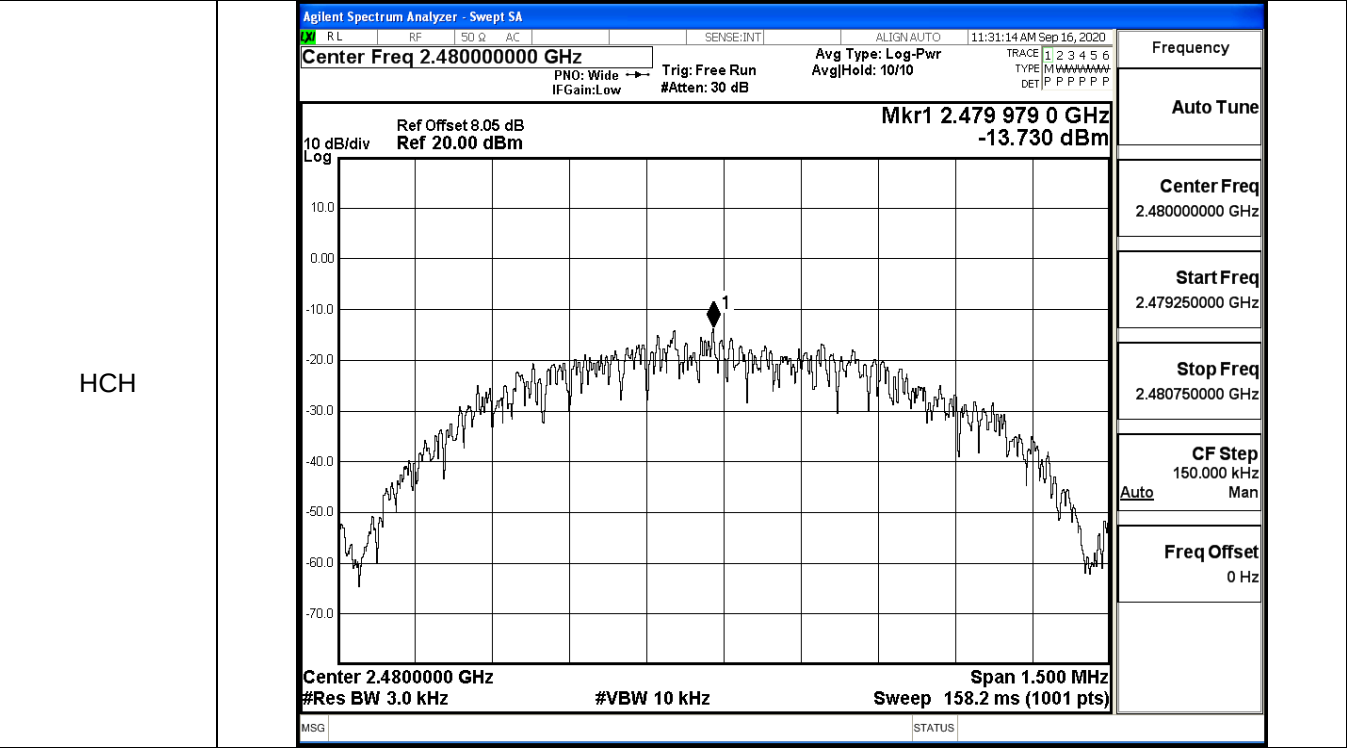




B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.835	8	PASS
BT LE	MCH	-12.626	8	PASS
BT LE	HCH	-13.730	8	PASS



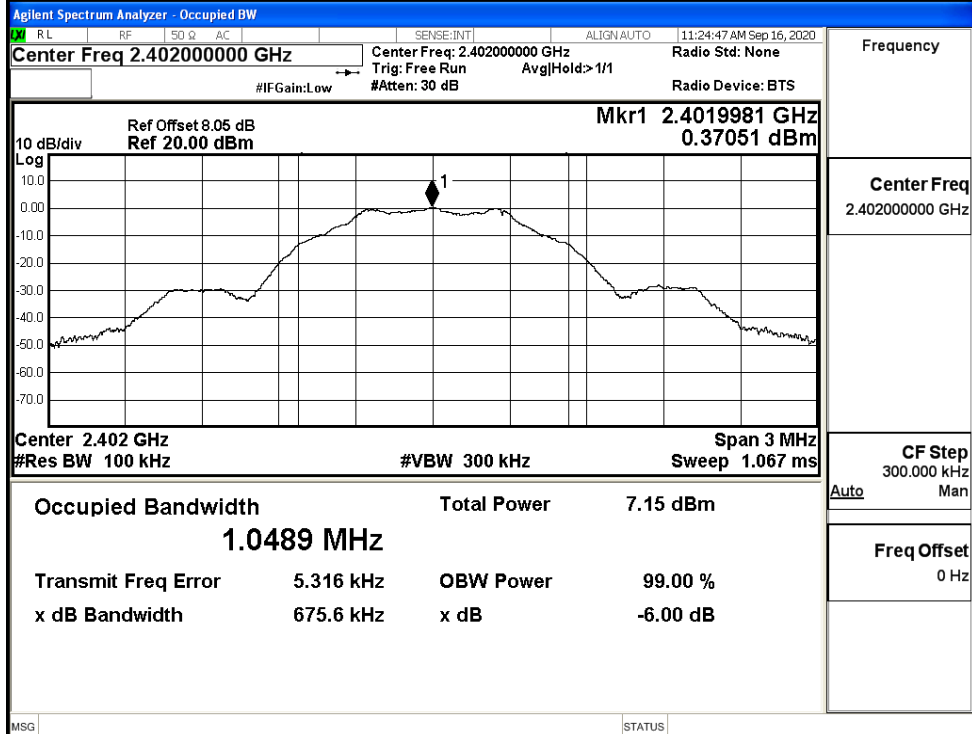


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6756	≥ 0.5	PASS
BT LE	MCH	0.6678	≥ 0.5	PASS
BT LE	HCH	0.6749	≥ 0.5	PASS

Test Graphs

LCH



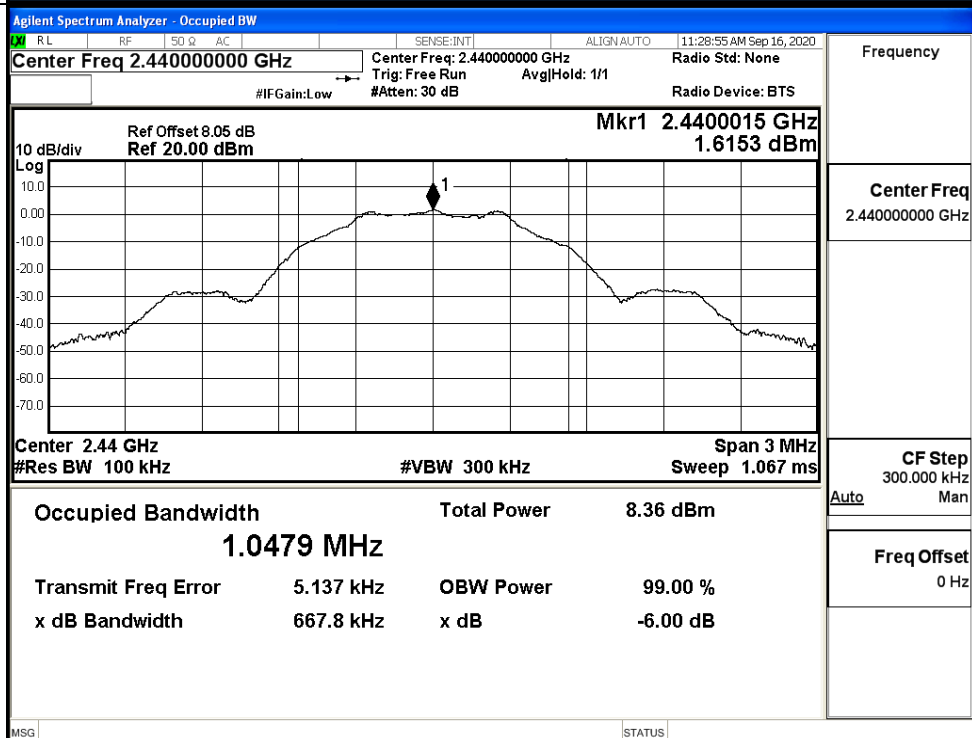
Frequency

Center Freq
2.402000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

MCH



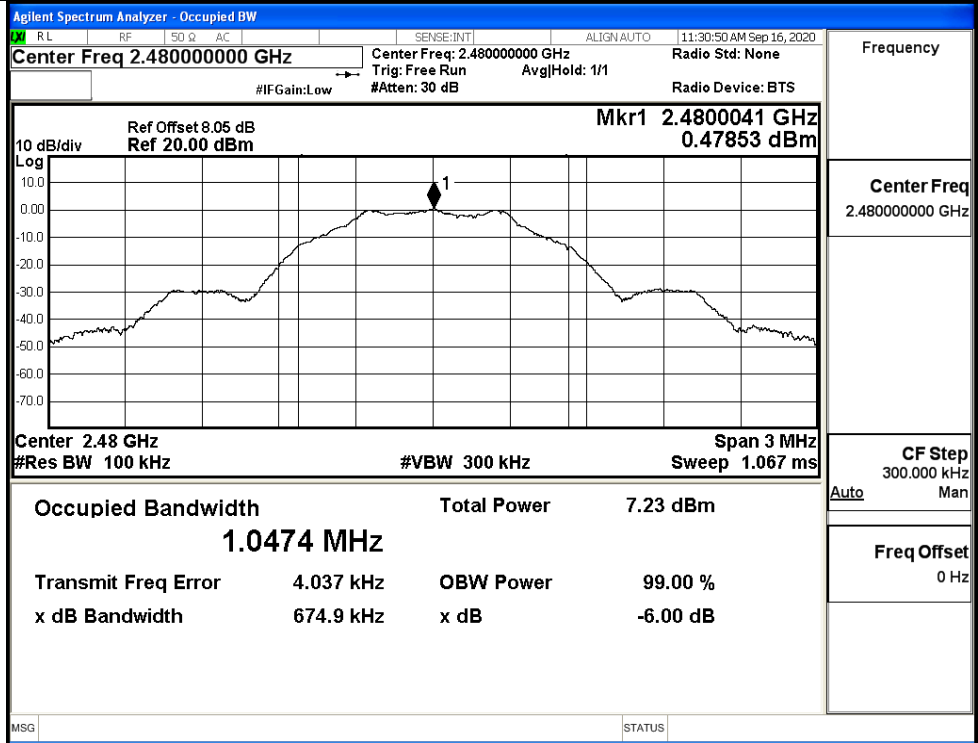
Frequency

Center Freq
2.440000000 GHz

CF Step
300.000 kHz
Auto Man

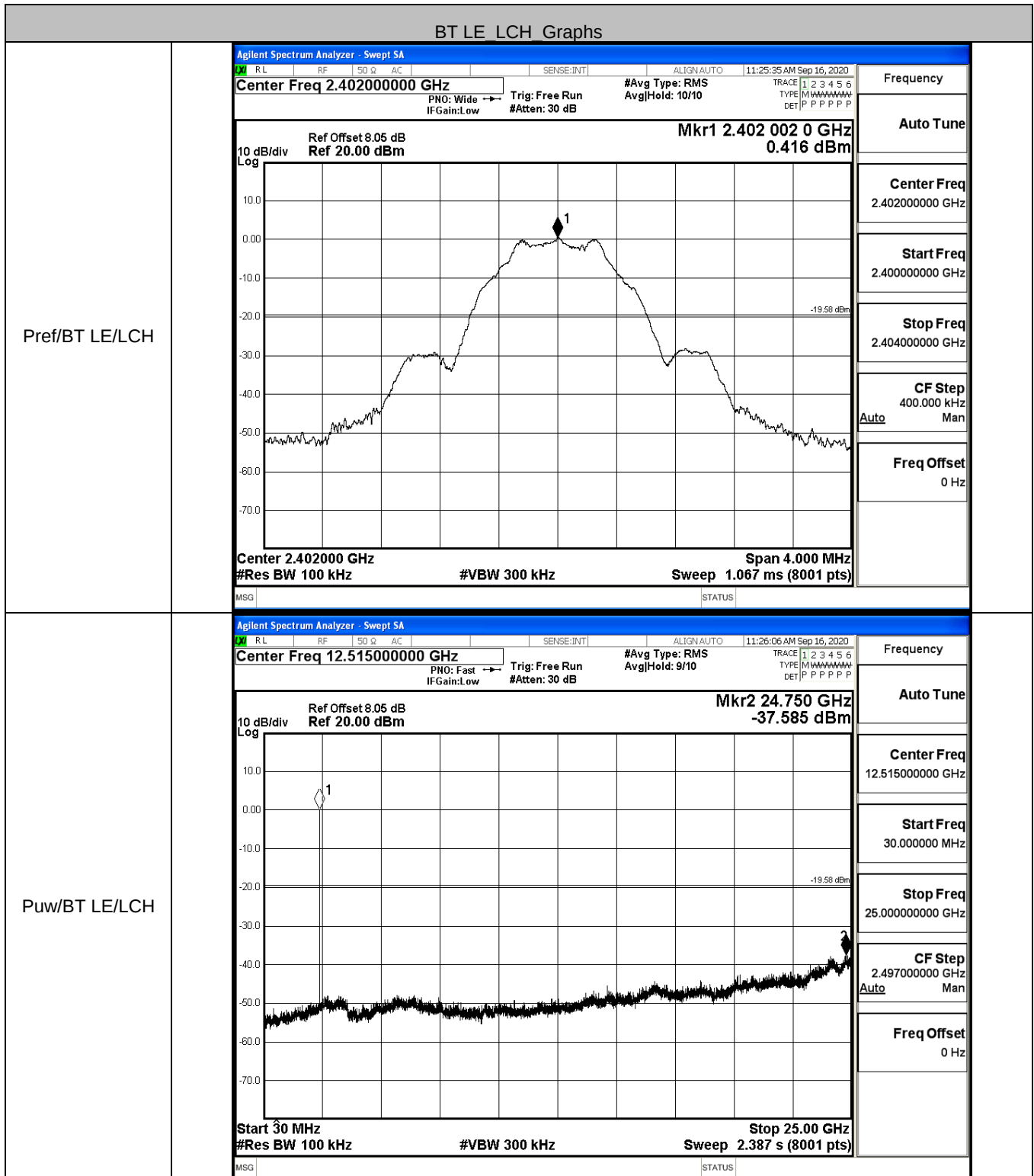
Freq Offset
0 Hz

HCH



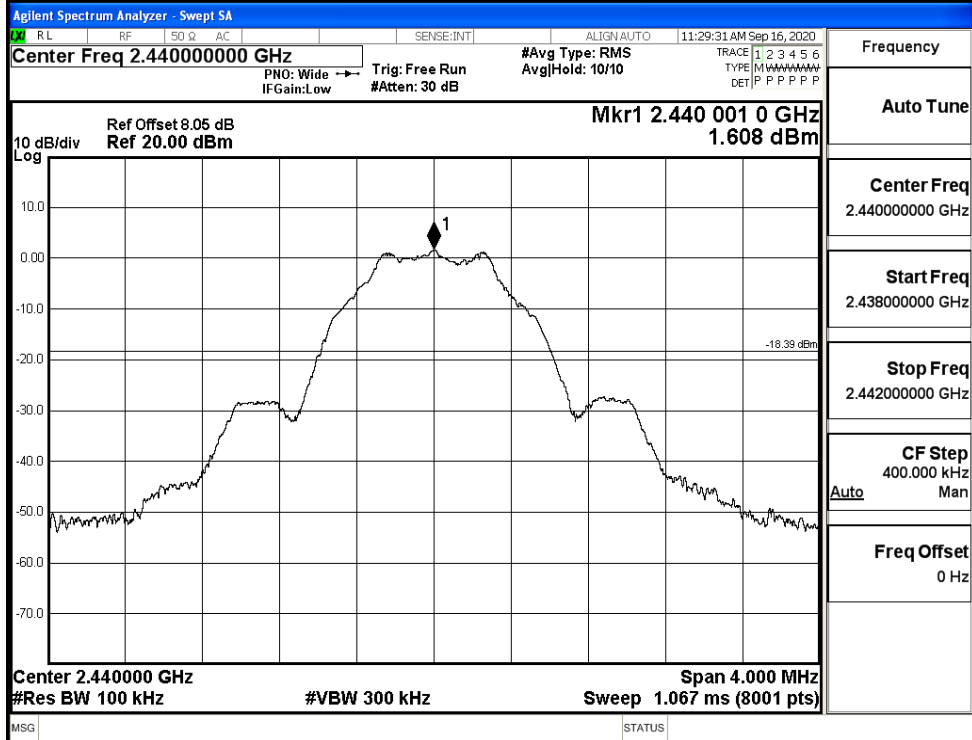
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.416	-37.585	-19.584	PASS
BT LE	MCH	1.608	-36.543	-18.392	PASS
BT LE	HCH	0.386	-37.585	-19.614	PASS

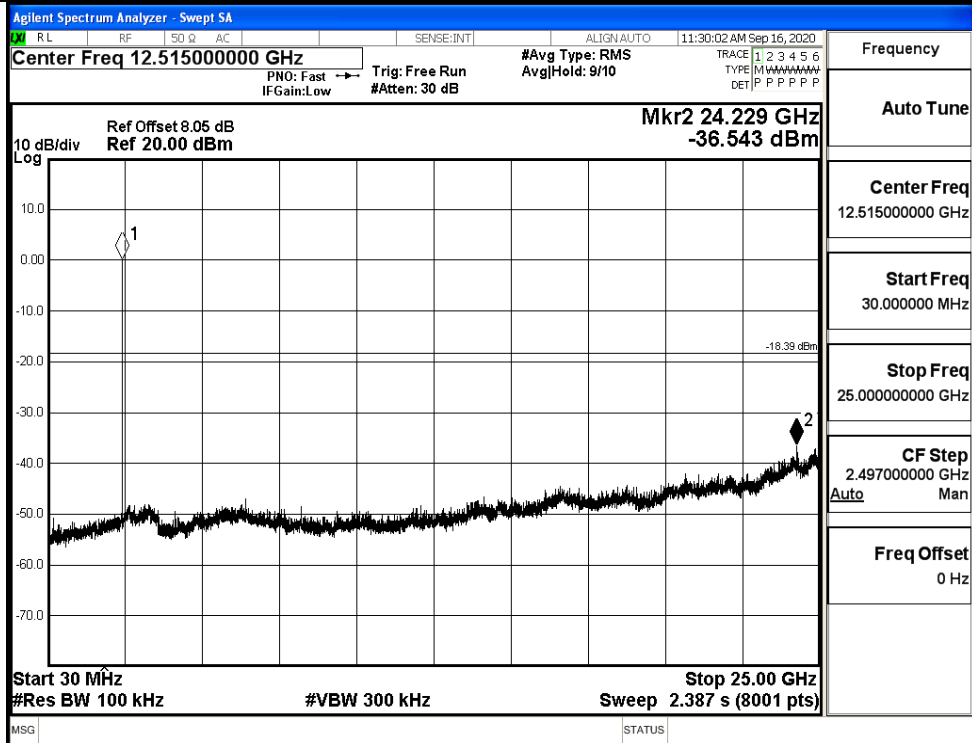


BT LE MCH Graphs

Pref/BT LE/MCH

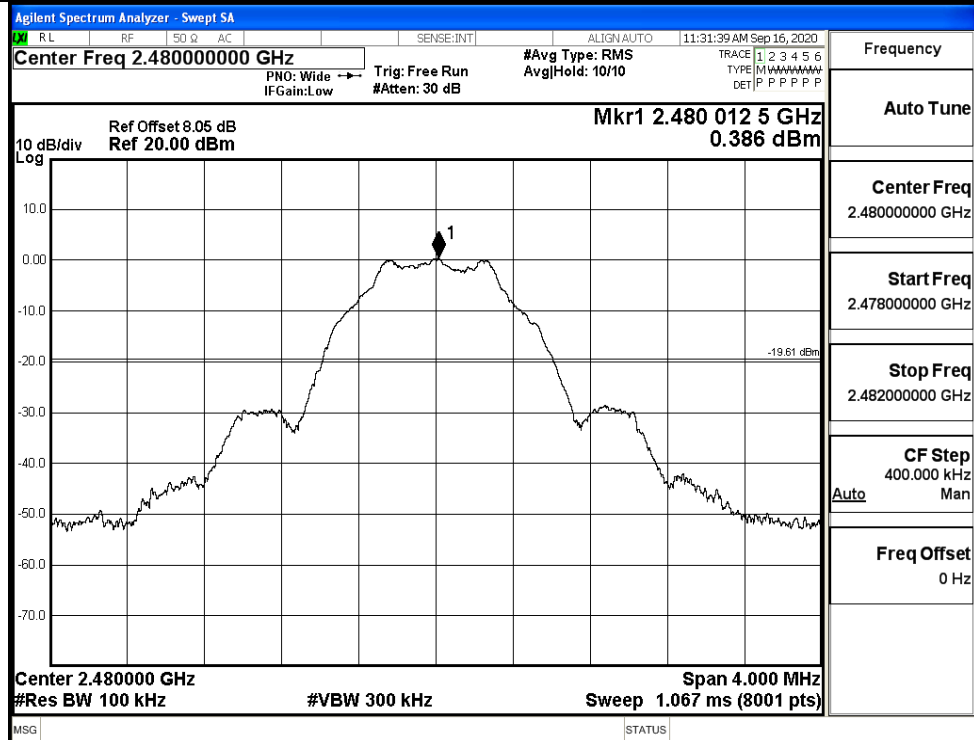


Puw/BT LE/MCH

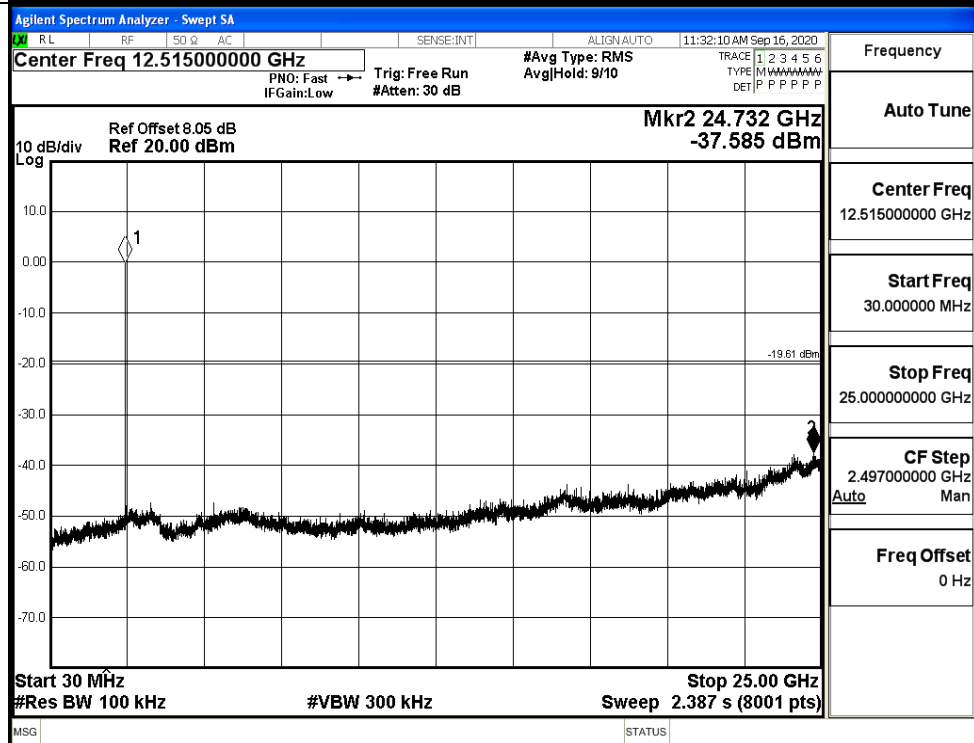


BT LE HCH Graphs

Pref/BT LE/HCH

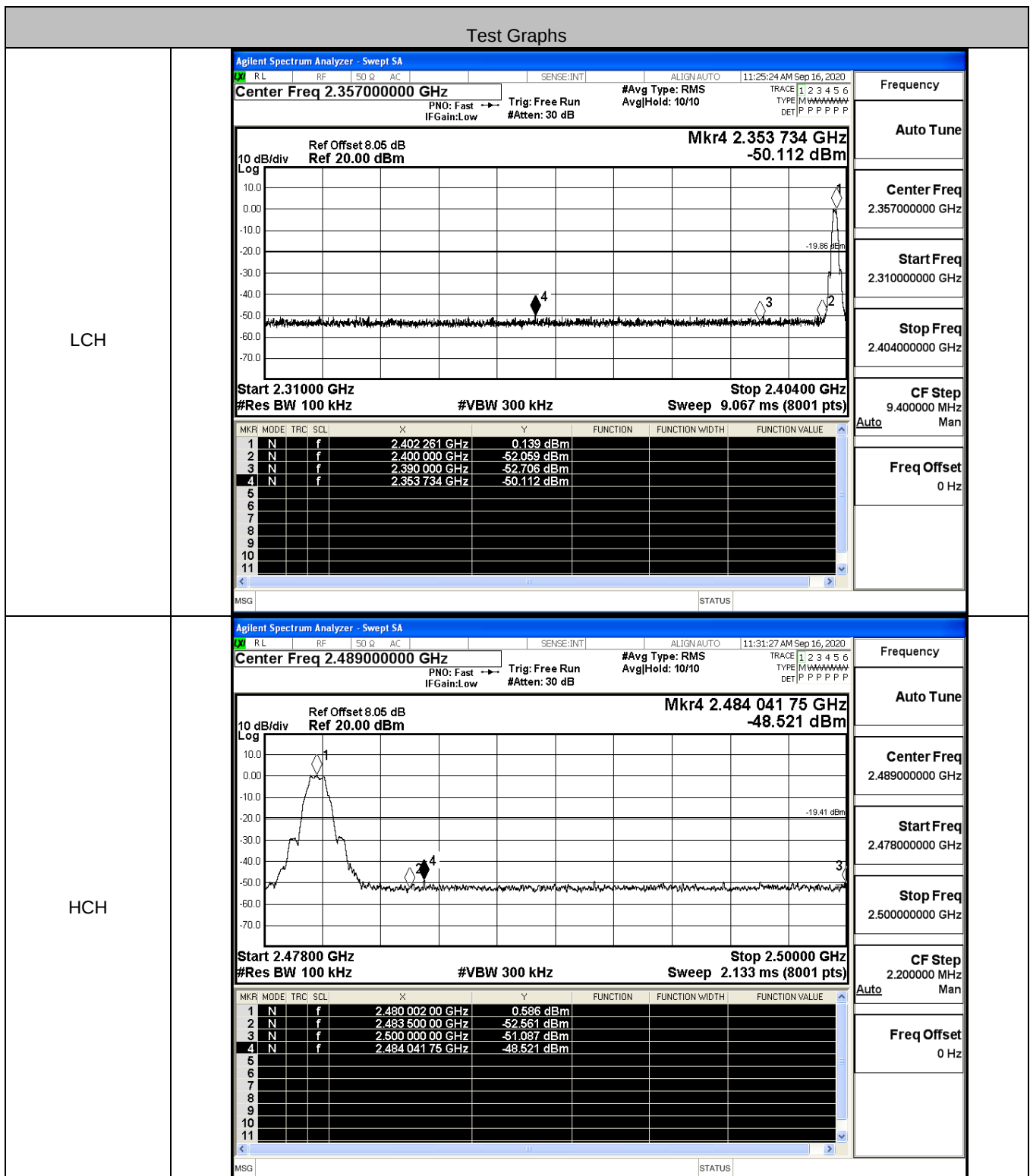


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

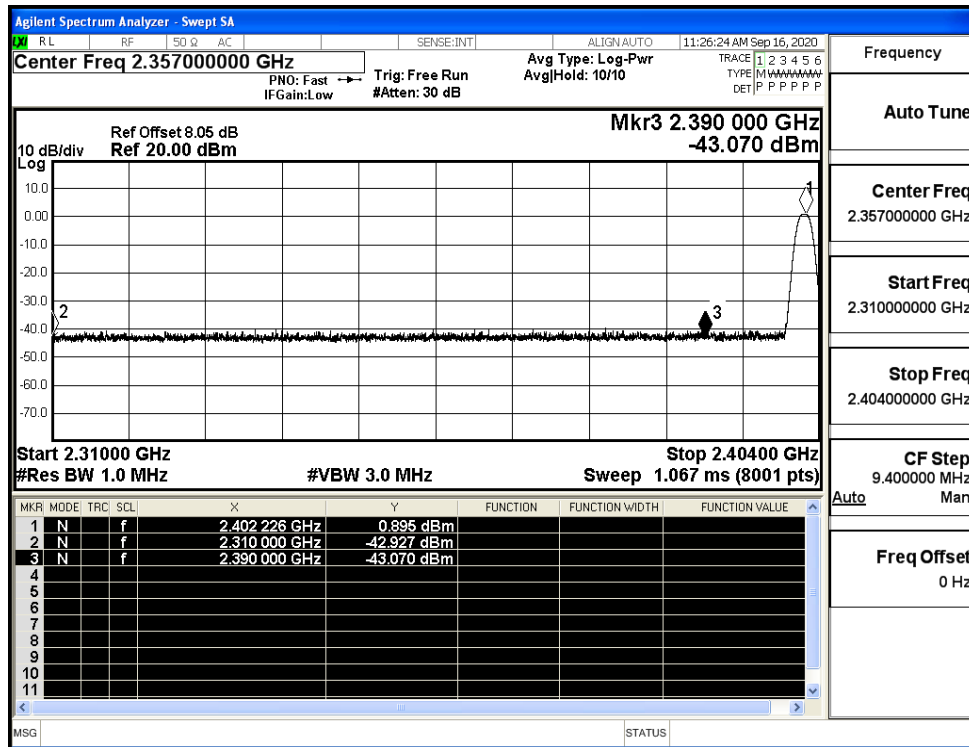
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.139	-50.112	-19.86	PASS
BT LE	HCH	0.586	-48.521	-19.41	PASS



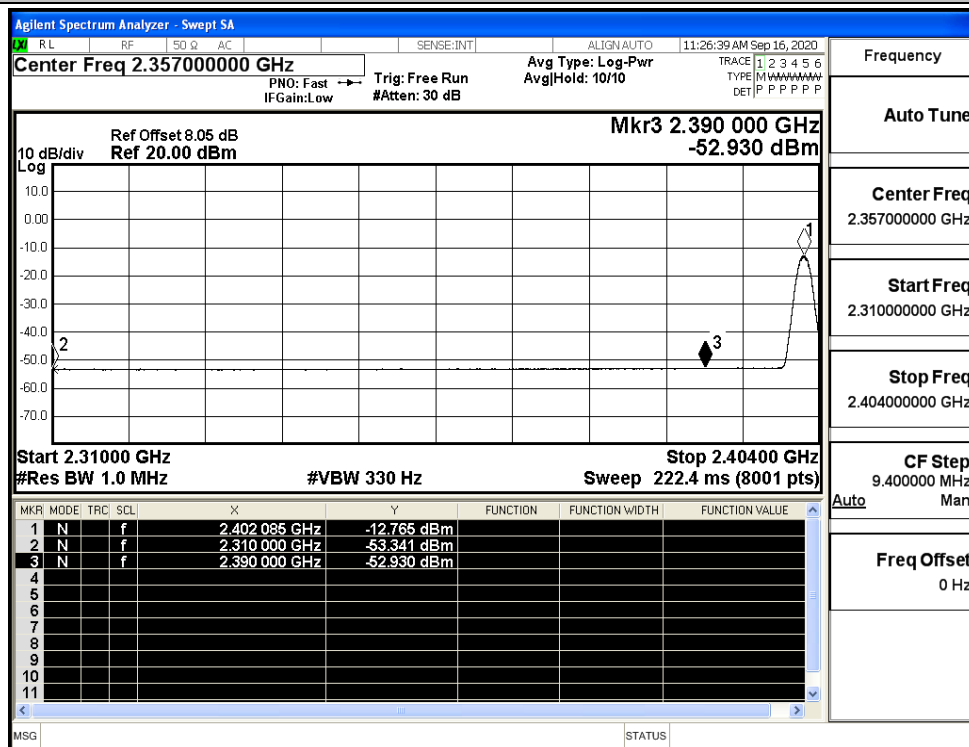
B.7 Restrict-band band-edge measurements

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	-42.93	2.0	0	52.33	PEAK	74	PASS
		Ant1	2310.0	-53.34	2.0	0	41.92	AV	54	PASS
		Ant1	2390.0	-43.07	2.0	0	52.19	PEAK	74	PASS
		Ant1	2390.0	-52.93	2.0	0	42.33	AV	54	PASS
	2480	Ant1	2483.5	-42.39	2.0	0	52.87	PEAK	74	PASS
		Ant1	2483.5	-52.48	2.0	0	42.78	AV	54	PASS
		Ant1	2500.0	-41.09	2.0	0	54.16	PEAK	74	PASS
		Ant1	2500.0	-52.29	2.0	0	42.97	AV	54	PASS

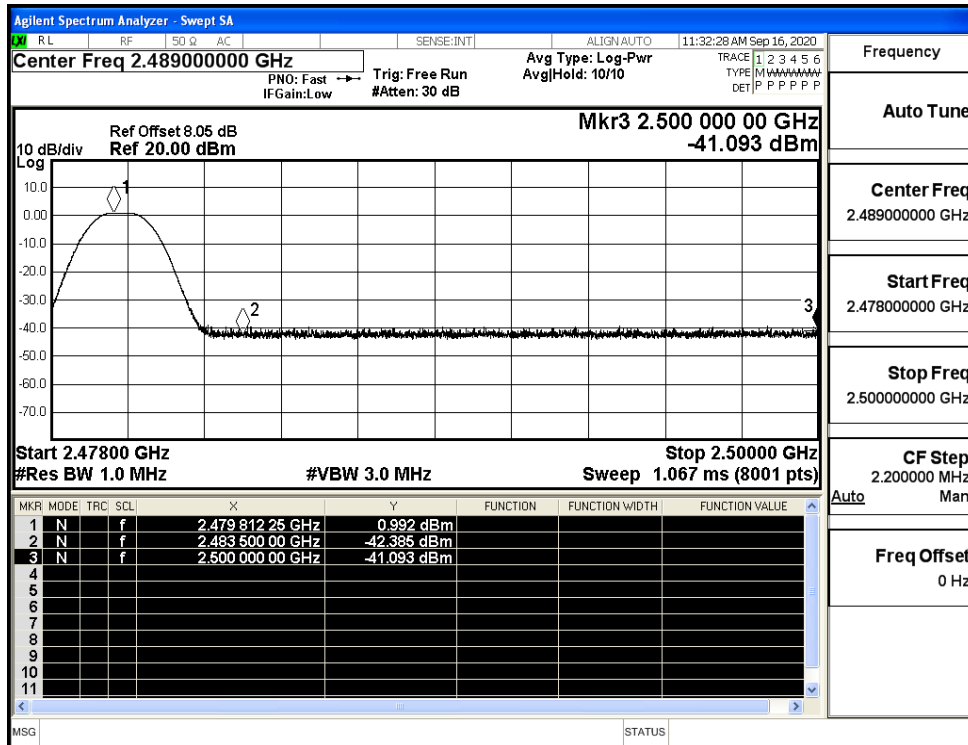
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

