

Appendix B

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

Product Name: Handheld Beauty Mirror

Trade Mark: FENCHILIN

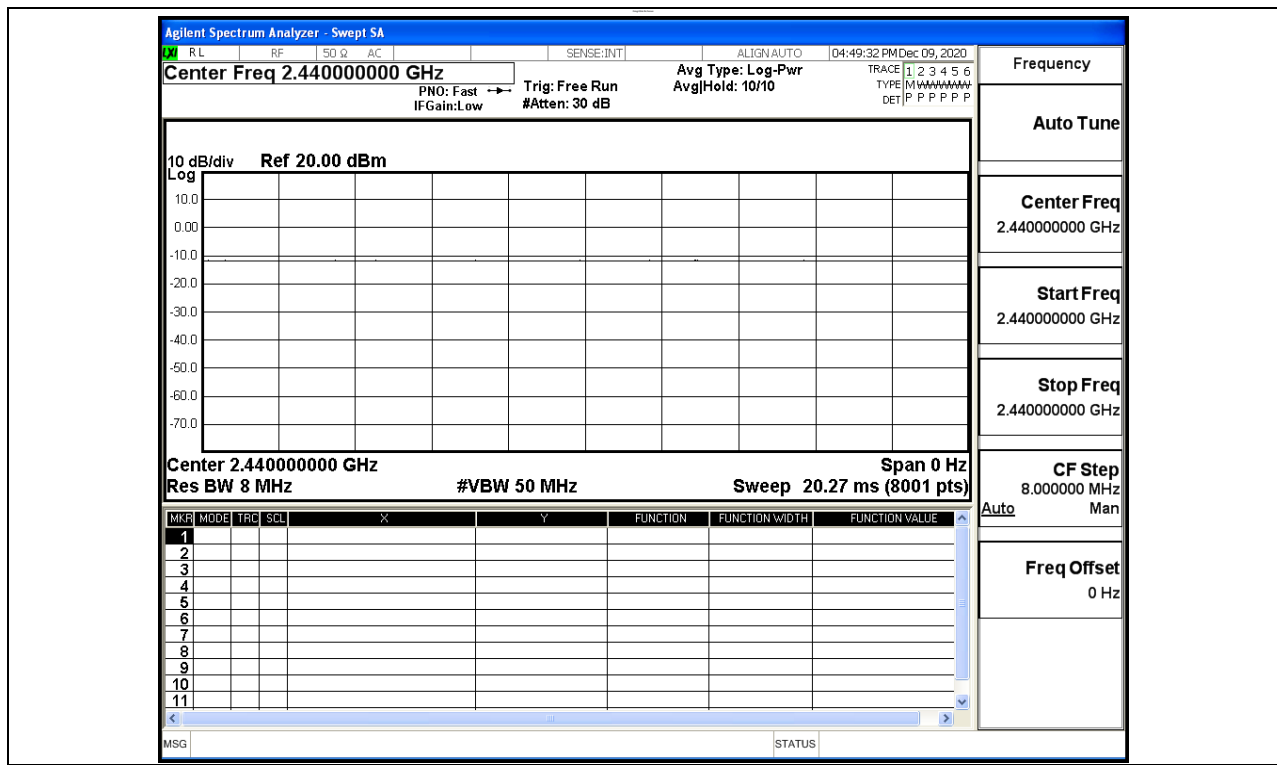
Test Model: MZMGJ0090

Environmental Conditions

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

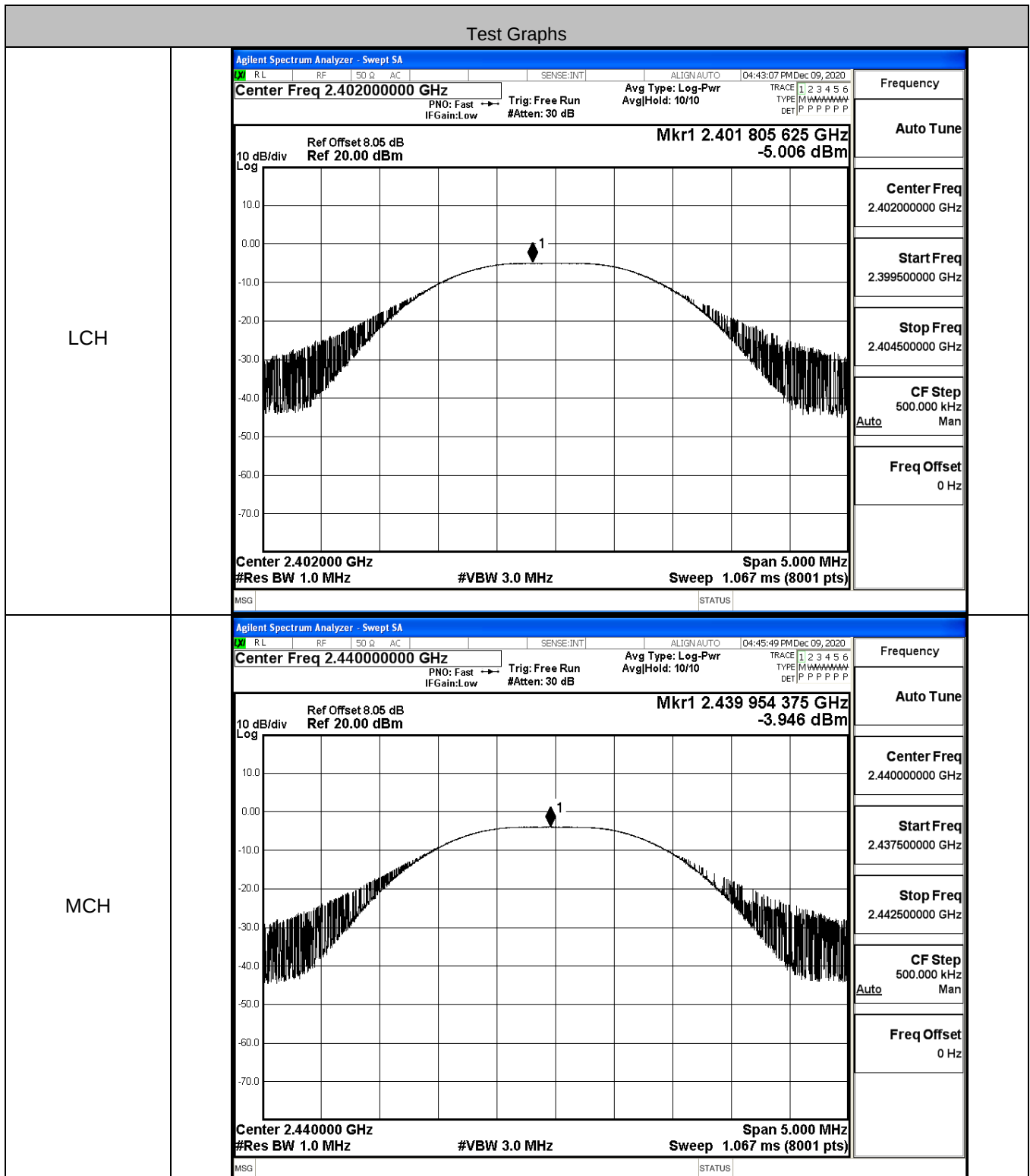
B.1 Duty Cycle

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

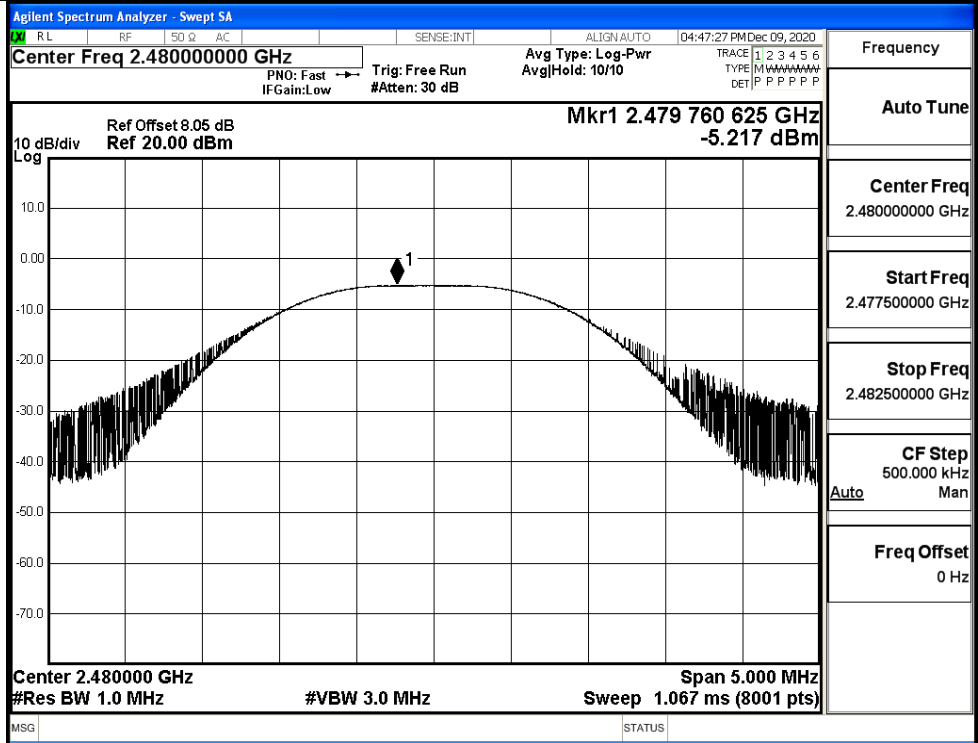


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.006	30	PASS
BT LE	MCH	-3.946	30	PASS
BT LE	HCH	-5.217	30	PASS



HCH

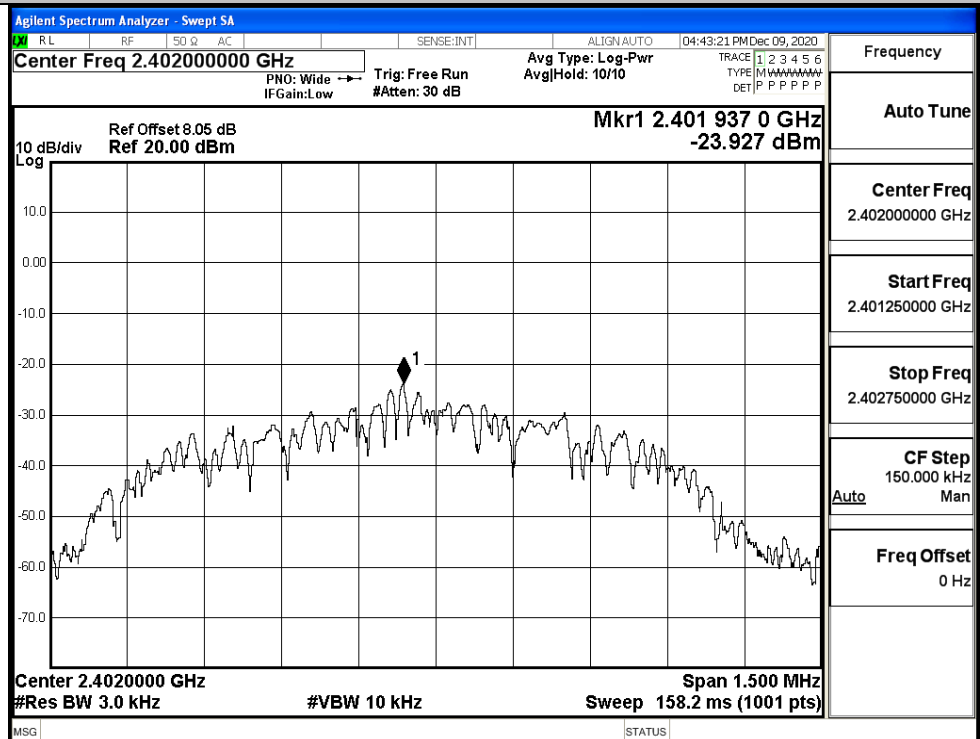


B.3 Maximum Power Spectral Density

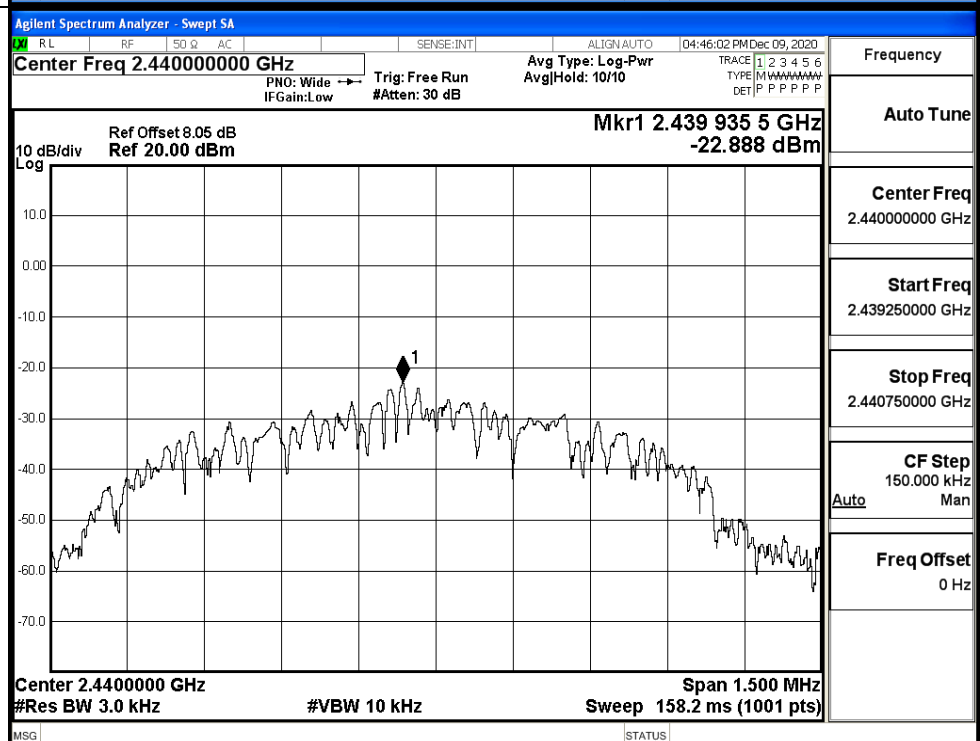
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-23.927	8	PASS
BT LE	MCH	-22.888	8	PASS
BT LE	HCH	-24.144	8	PASS

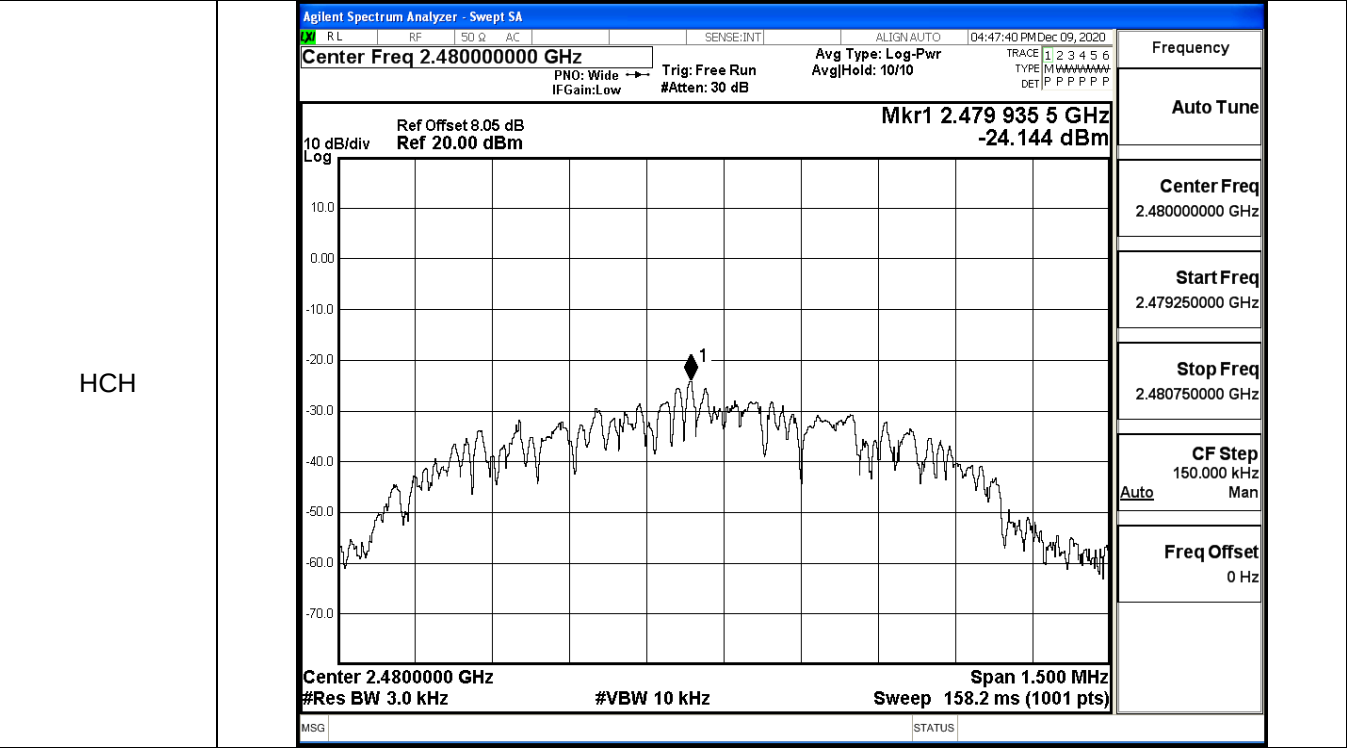
Test Graphs

LCH



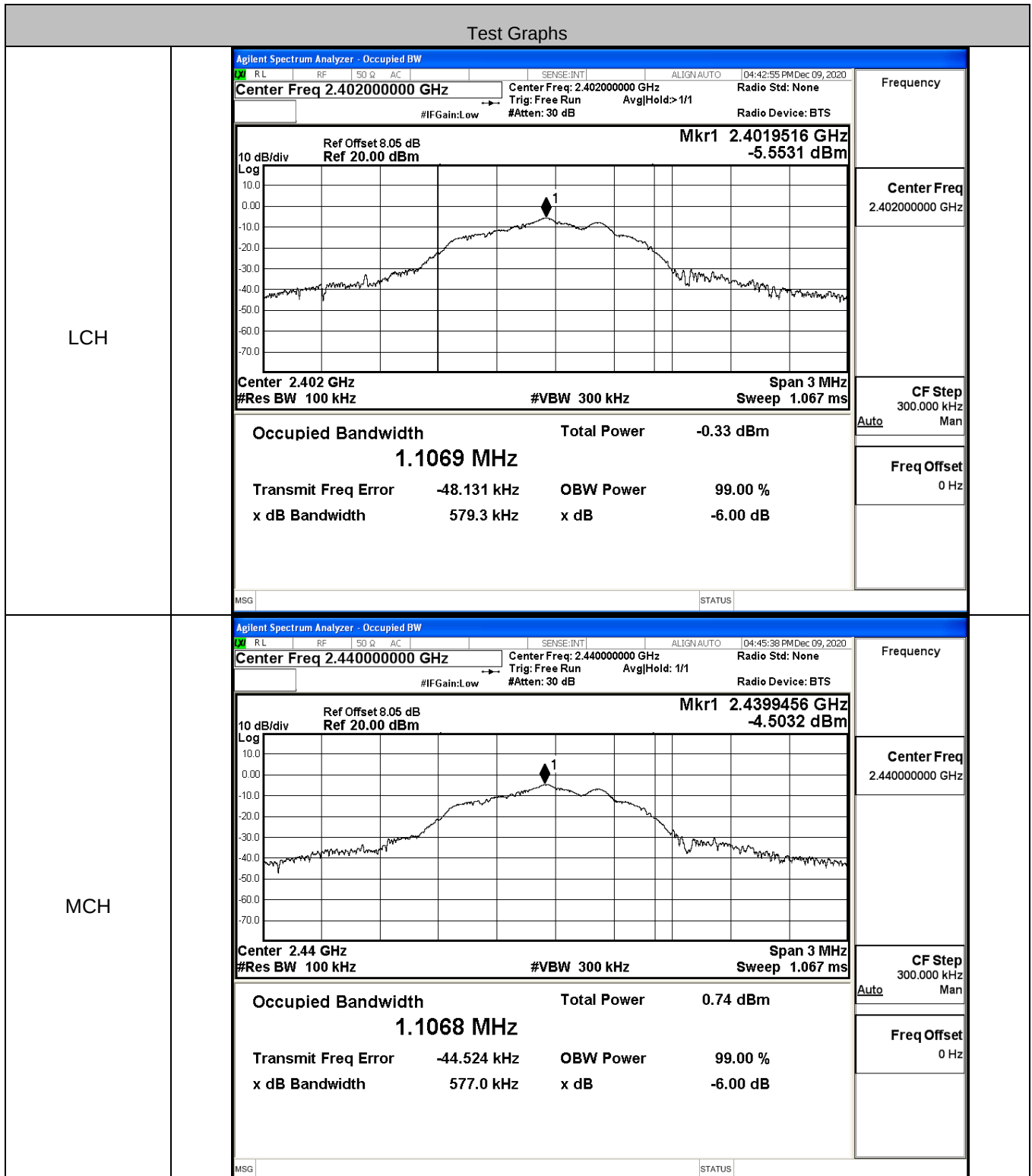
MCH



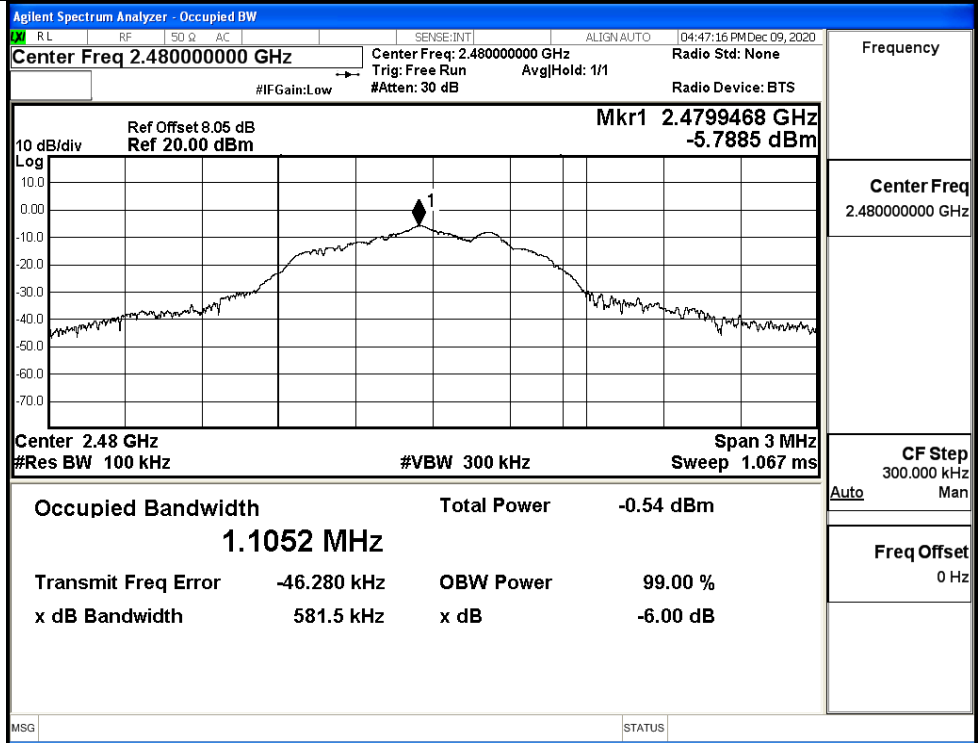


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.5793	≥ 0.5	PASS
BT LE	MCH	0.5770	≥ 0.5	PASS
BT LE	HCH	0.5815	≥ 0.5	PASS

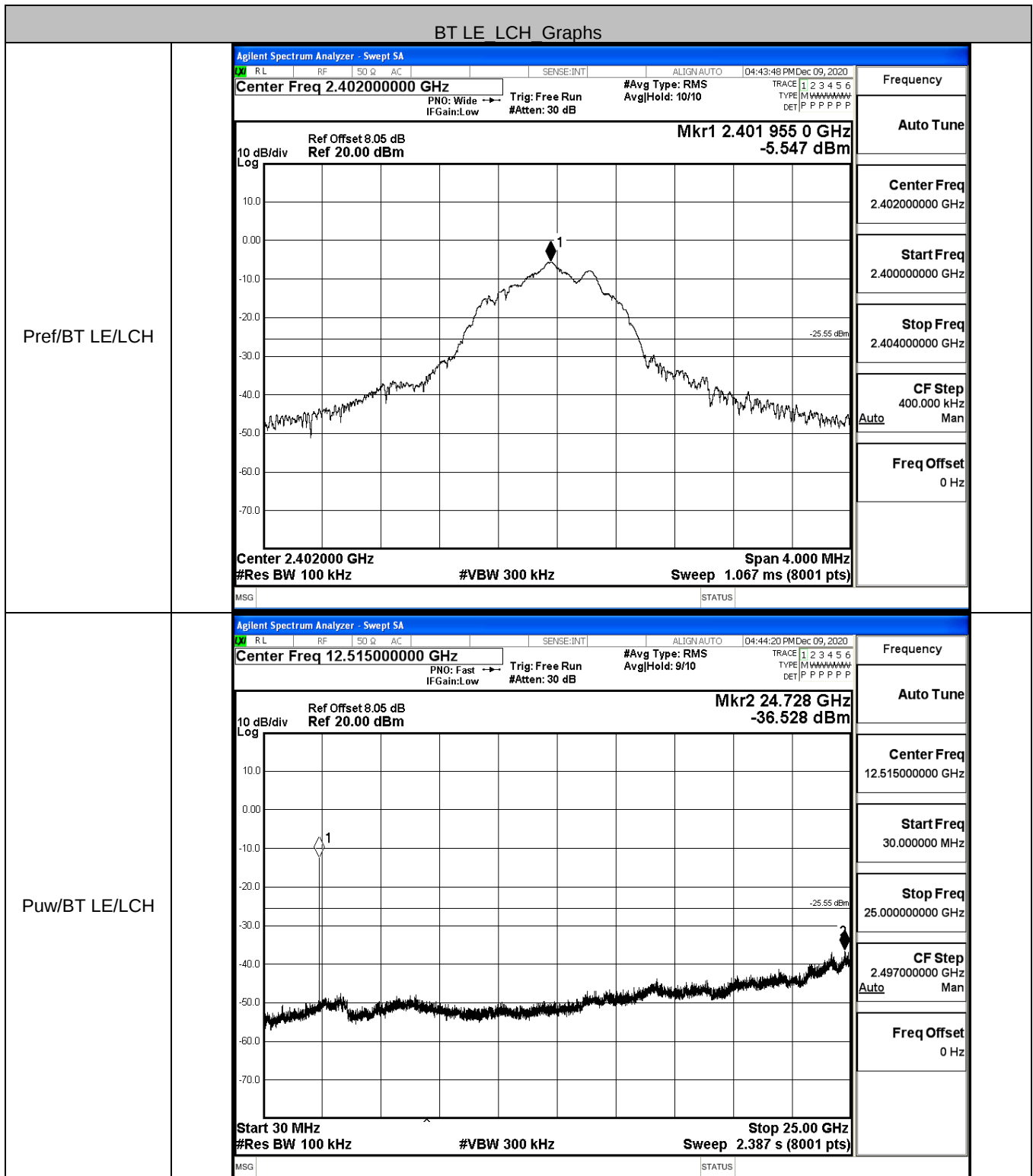


HCH



B.5 RF Conducted Spurious Emissions

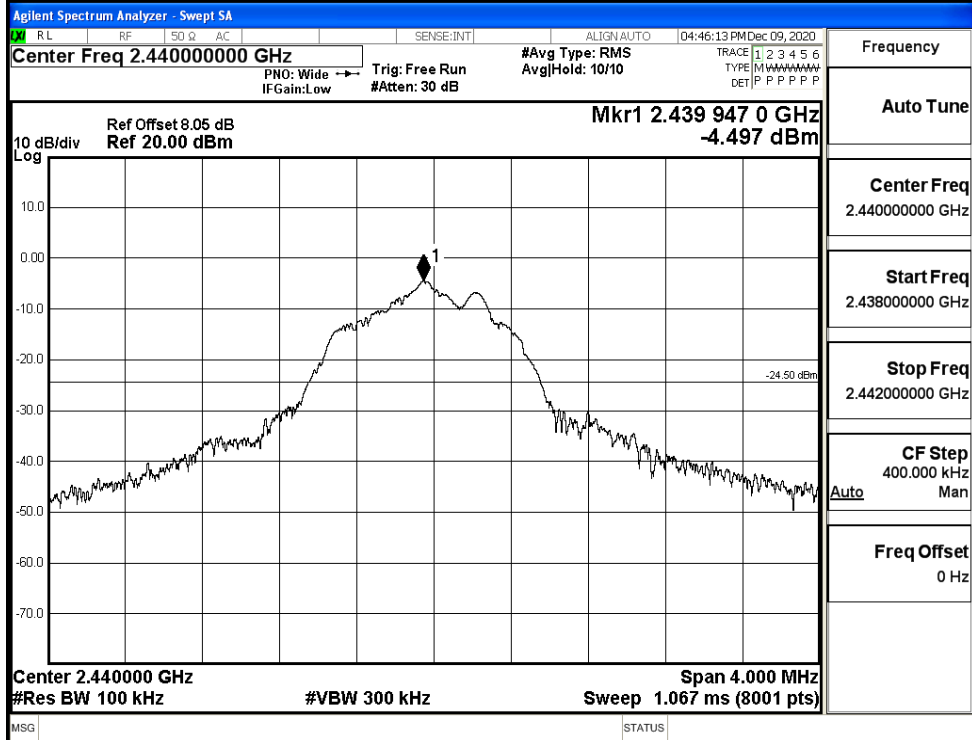
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.547	-36.528	-25.547	PASS
BT LE	MCH	-4.497	-37.614	-24.497	PASS
BT LE	HCH	-5.79	-37.428	-25.790	PASS



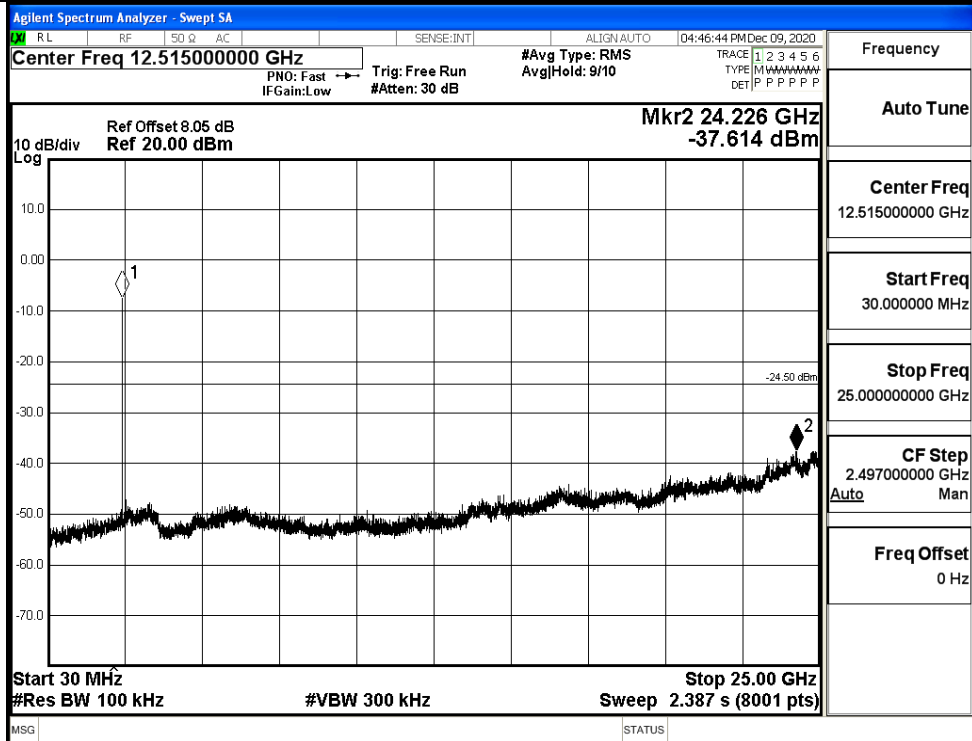
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BT LE MCH Graphs

Pref/BT LE/MCH

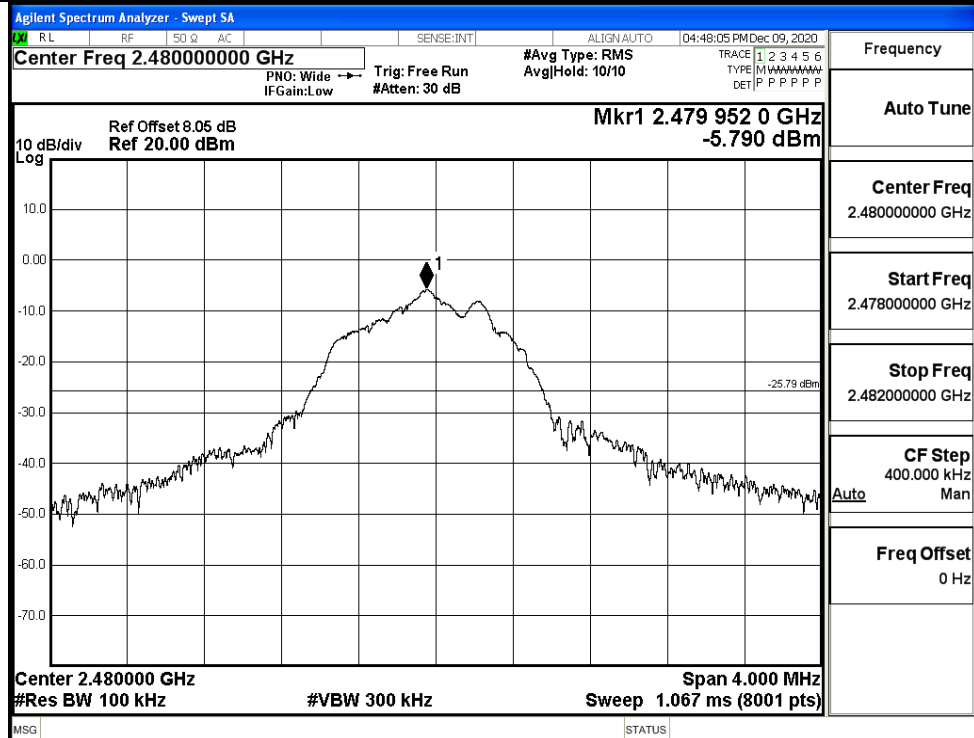


Puw/BT LE/MCH

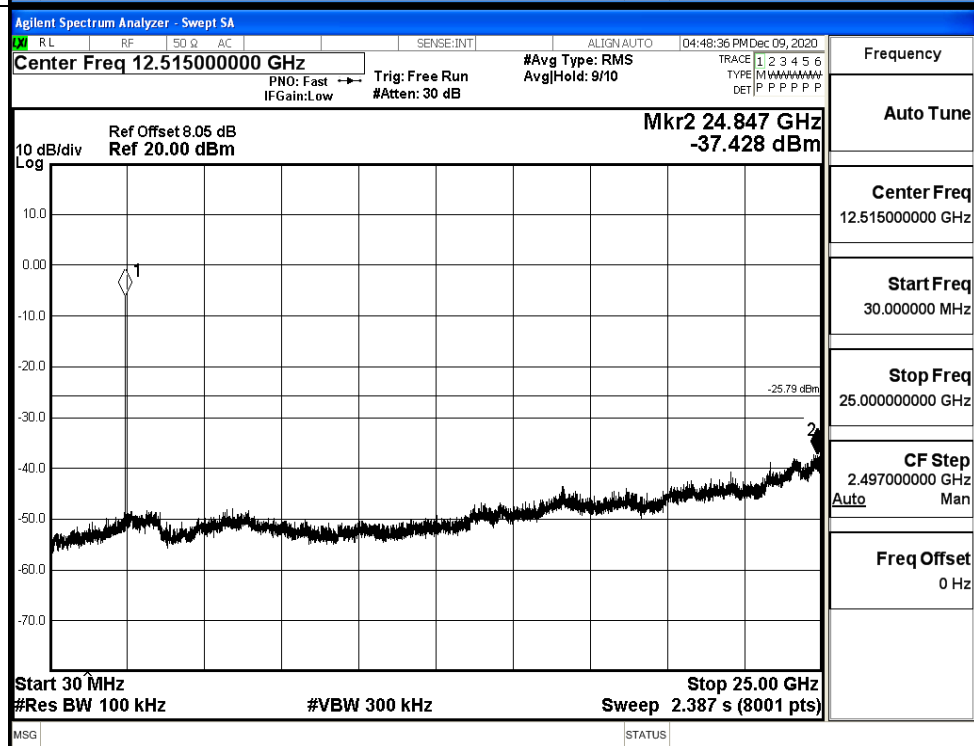


BT LE HCH Graphs

Pref/BT LE/HCH

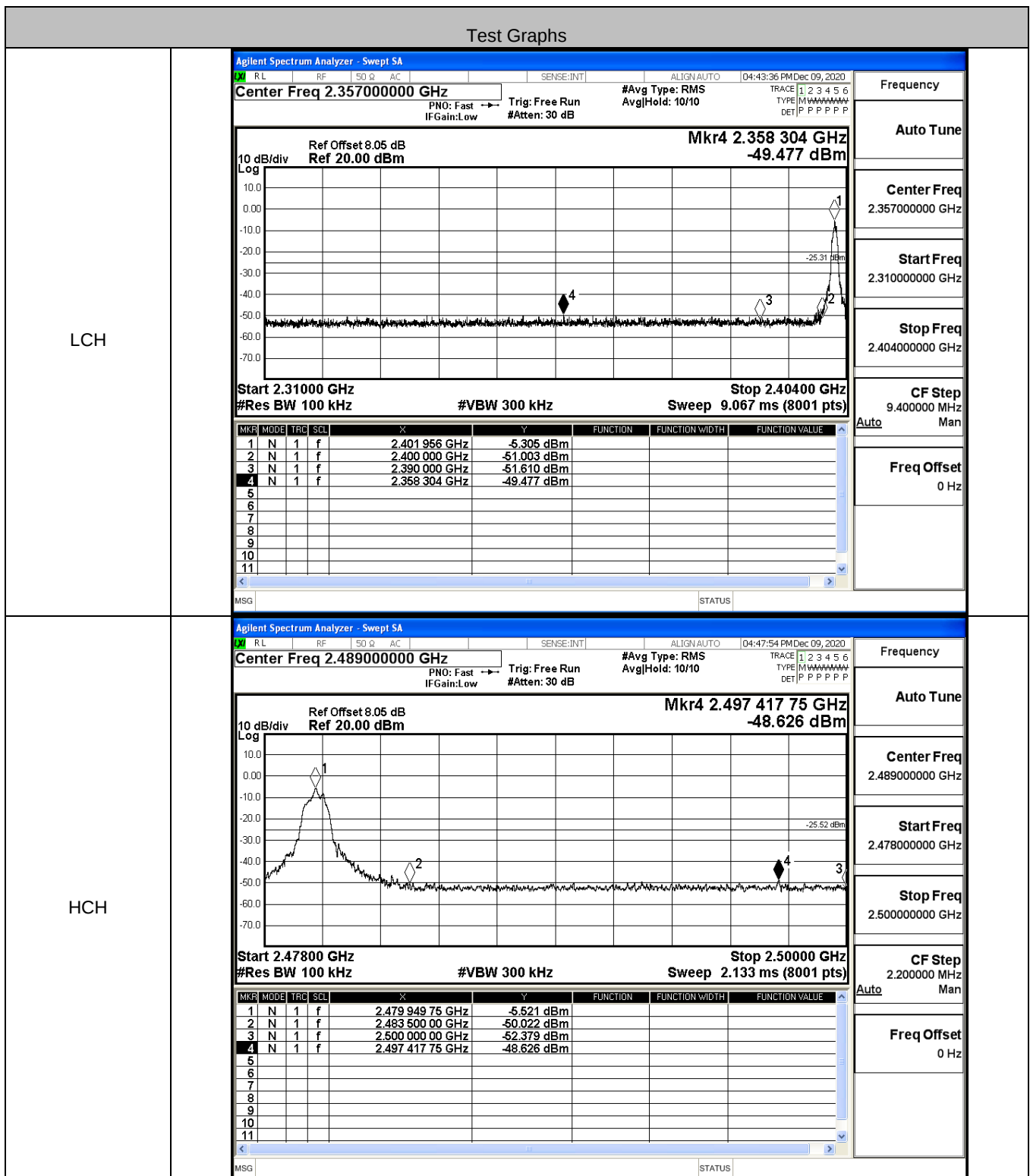


Puw/BT LE/HCH



B.6 Band-edge for RF Conducted Emissions

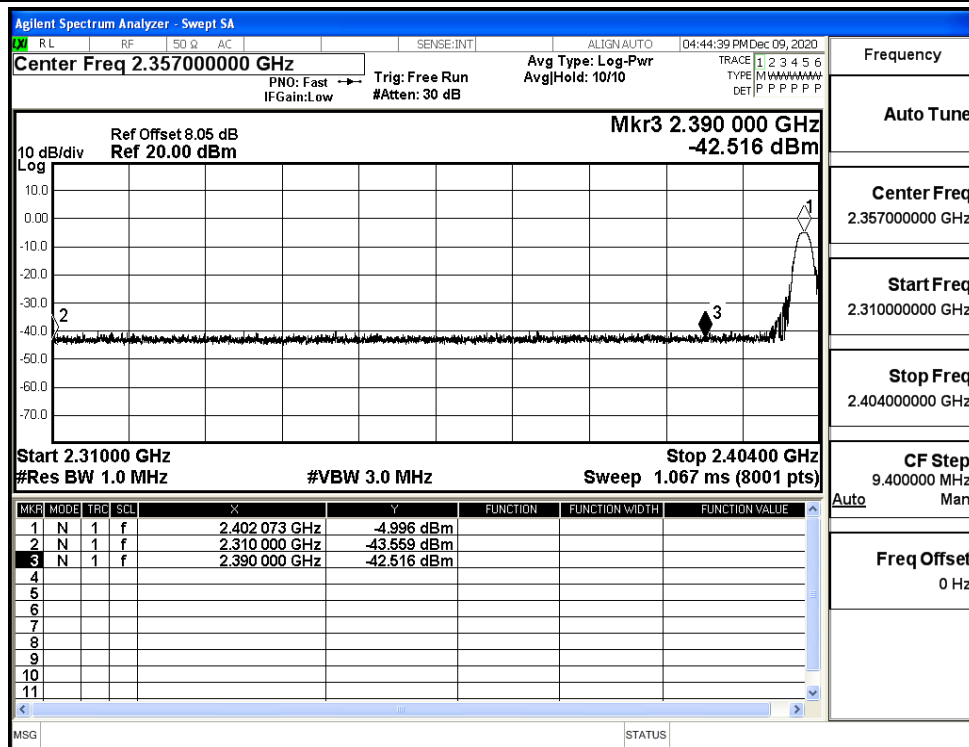
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-5.305	-49.477	-25.31	PASS
BT LE	HCH	-5.521	-48.626	-25.52	PASS



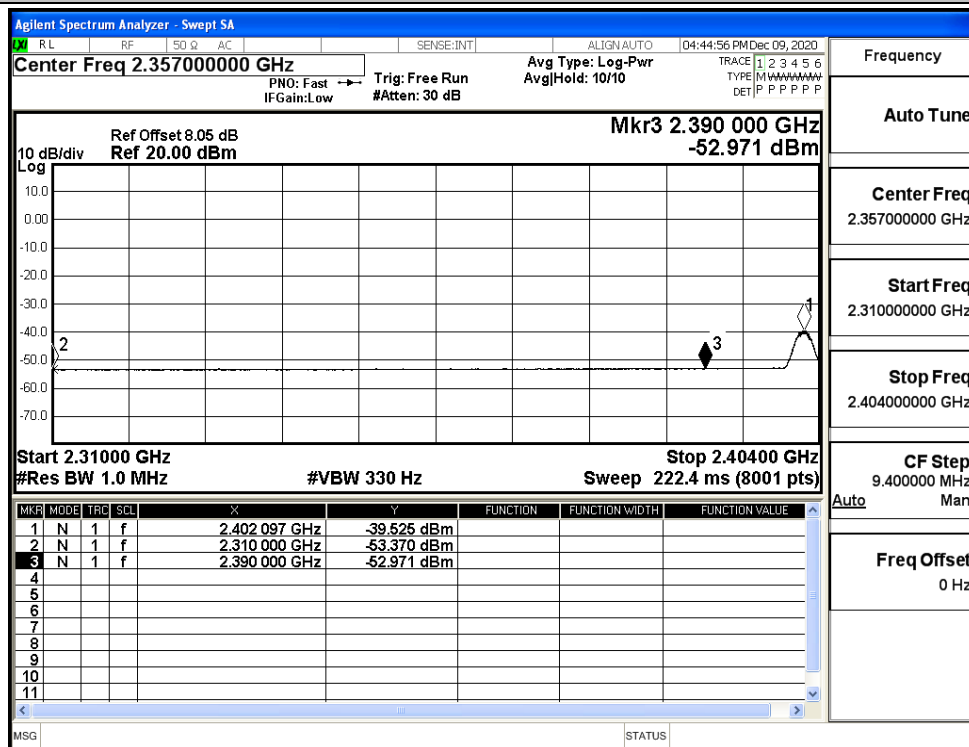
B.7 Restrict-band band-edge measurements

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	-43.56	2.0	0	51.70	PEAK	74	PASS
		Ant1	2310.0	-53.37	2.0	0	41.89	AV	54	PASS
		Ant1	2390.0	-42.52	2.0	0	52.74	PEAK	74	PASS
		Ant1	2390.0	-52.97	2.0	0	42.29	AV	54	PASS
	2480	Ant1	2483.5	-34.61	2.0	0	60.65	PEAK	74	PASS
		Ant1	2483.5	-52.58	2.0	0	42.68	AV	54	PASS
		Ant1	2500.0	-42.87	2.0	0	52.38	PEAK	74	PASS
		Ant1	2500.0	-52.38	2.0	0	42.87	AV	54	PASS

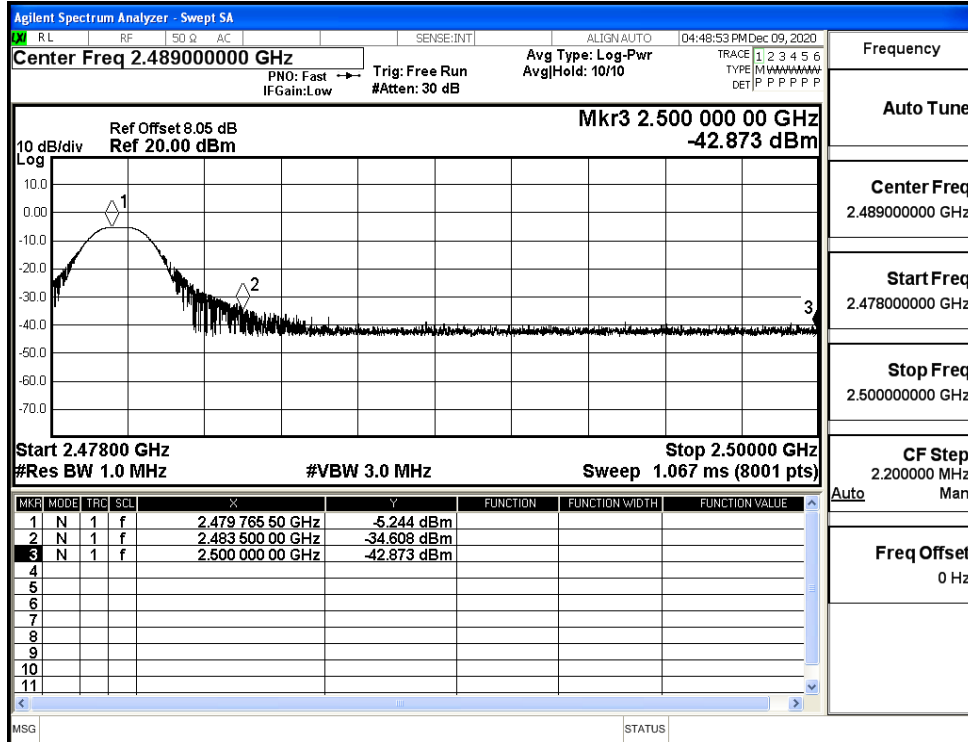
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Frequency

Auto Tune

Center Freq
2.489000000 GHz

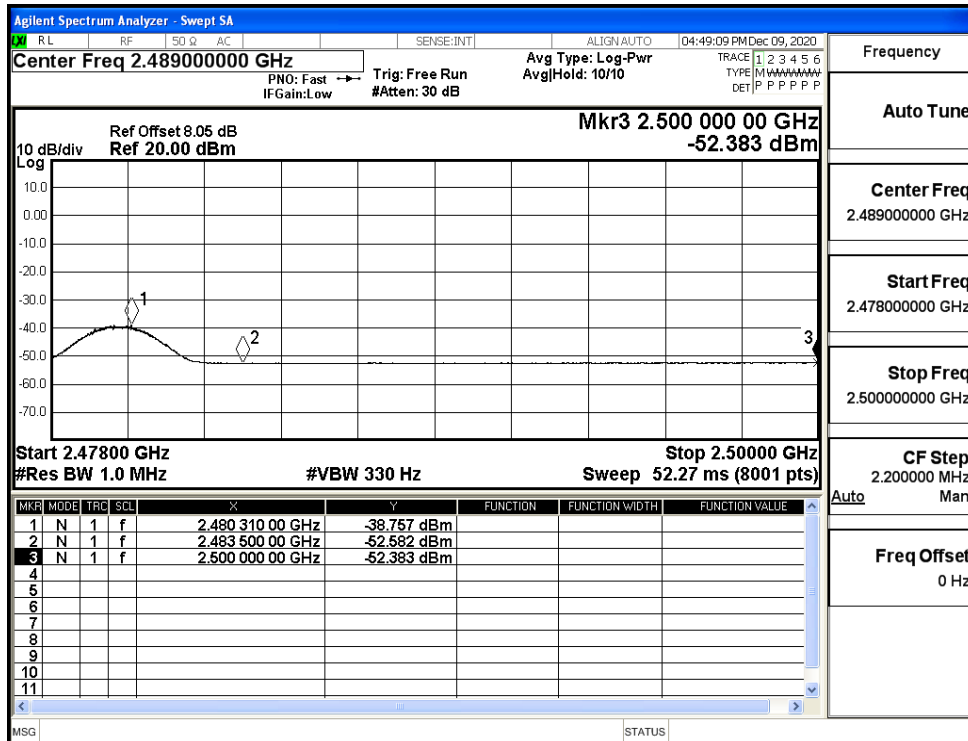
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz