

Appendix B

RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: HyBook Plus

Trade Mark: Hyundai

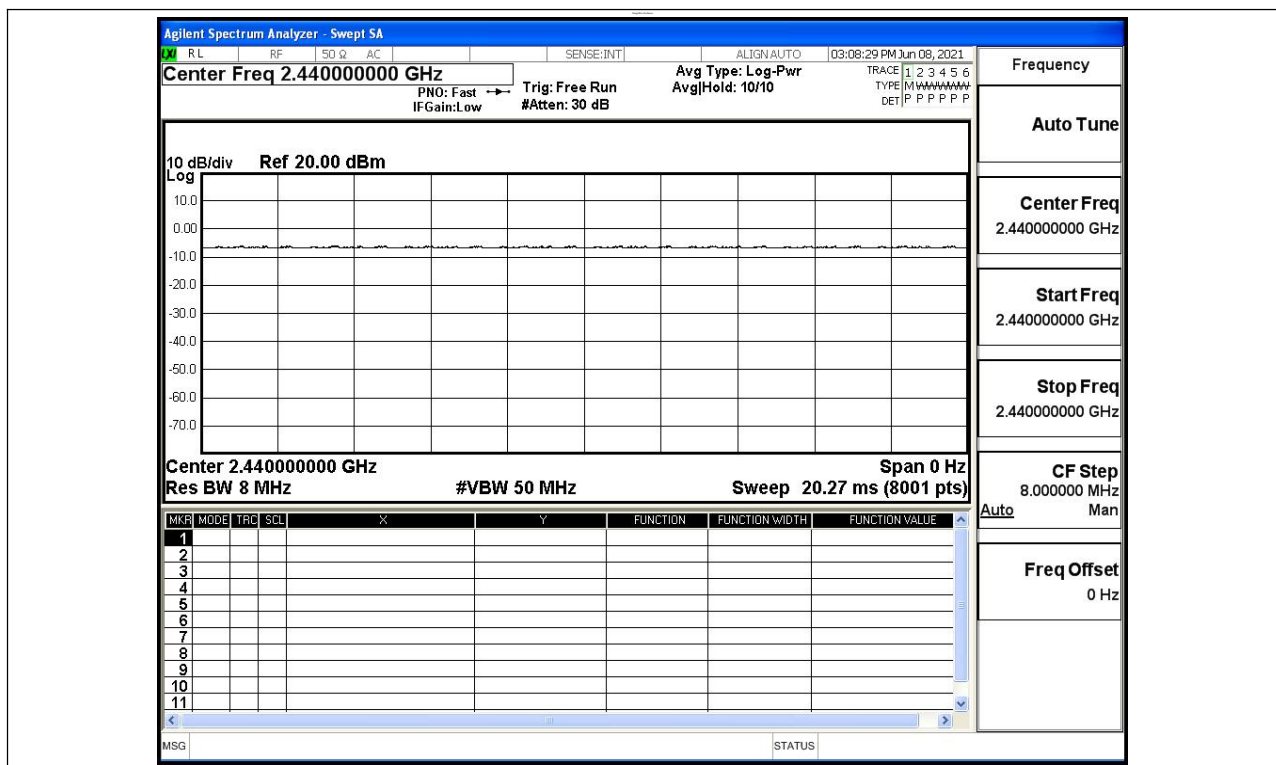
Test Model: HT14CBI581SG

Environmental Conditions

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

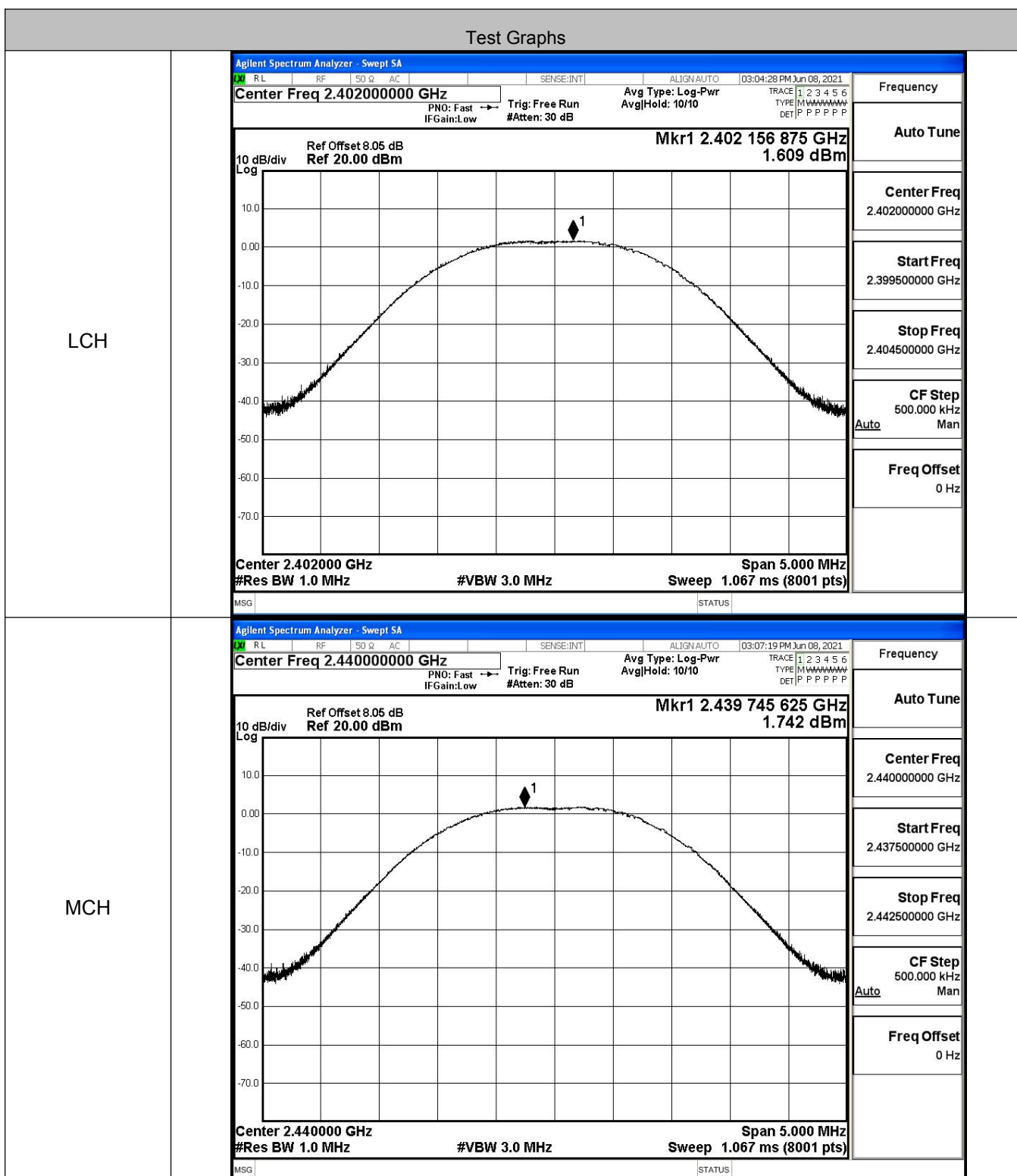
B.1 Duty Cycle

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

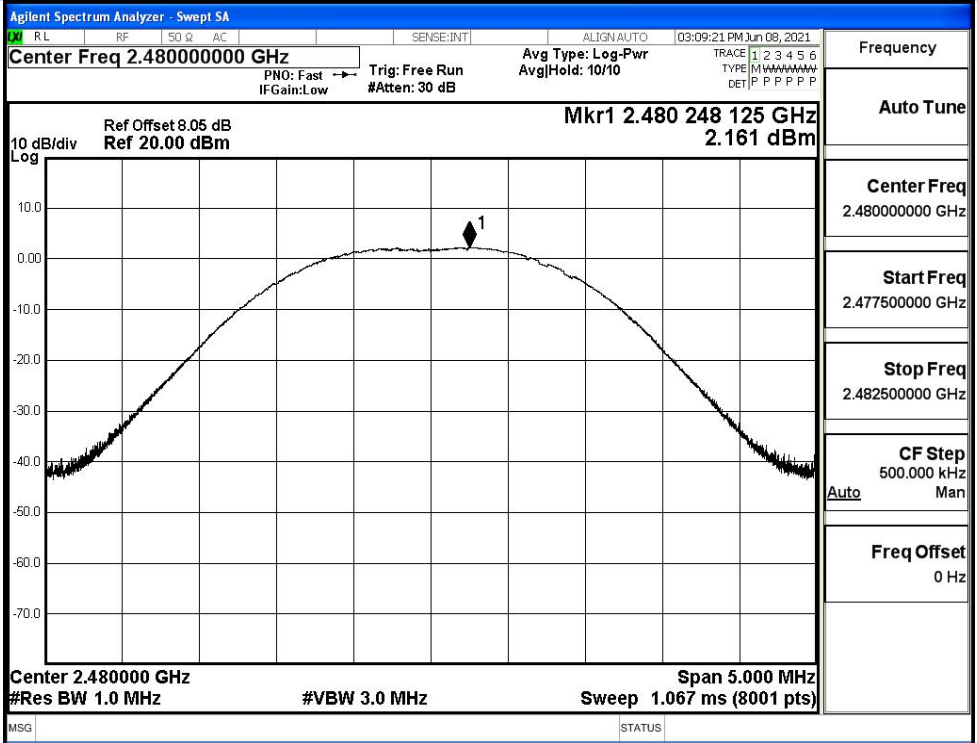


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.609	30	PASS
BT LE	MCH	1.742	30	PASS
BT LE	HCH	2.161	30	PASS



HCH

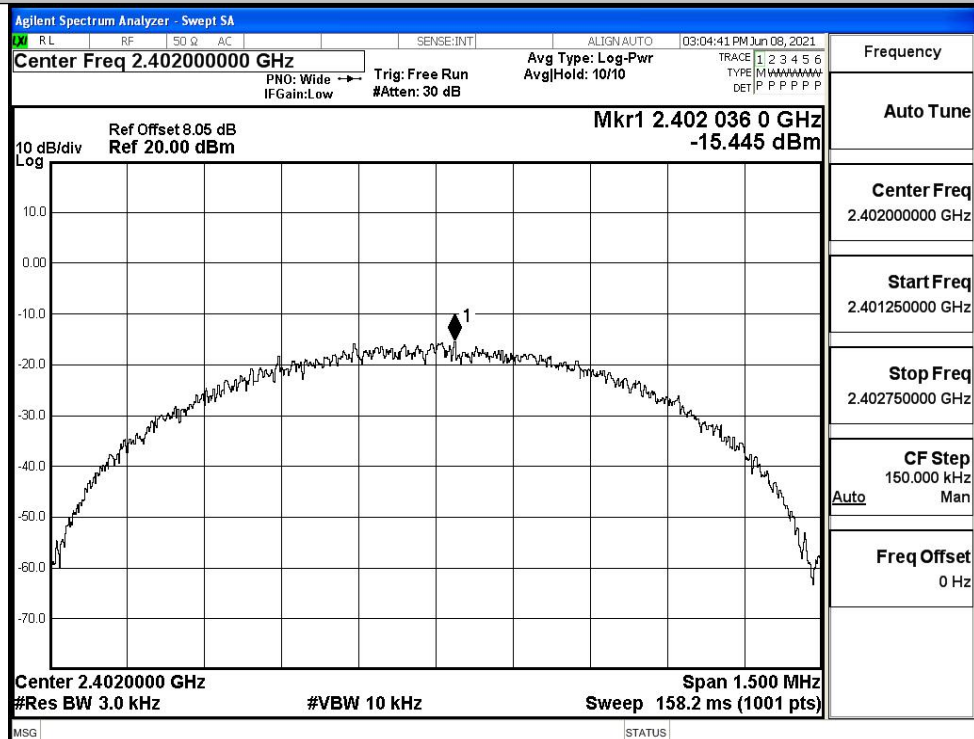


B.3 Maximum Power Spectral Density

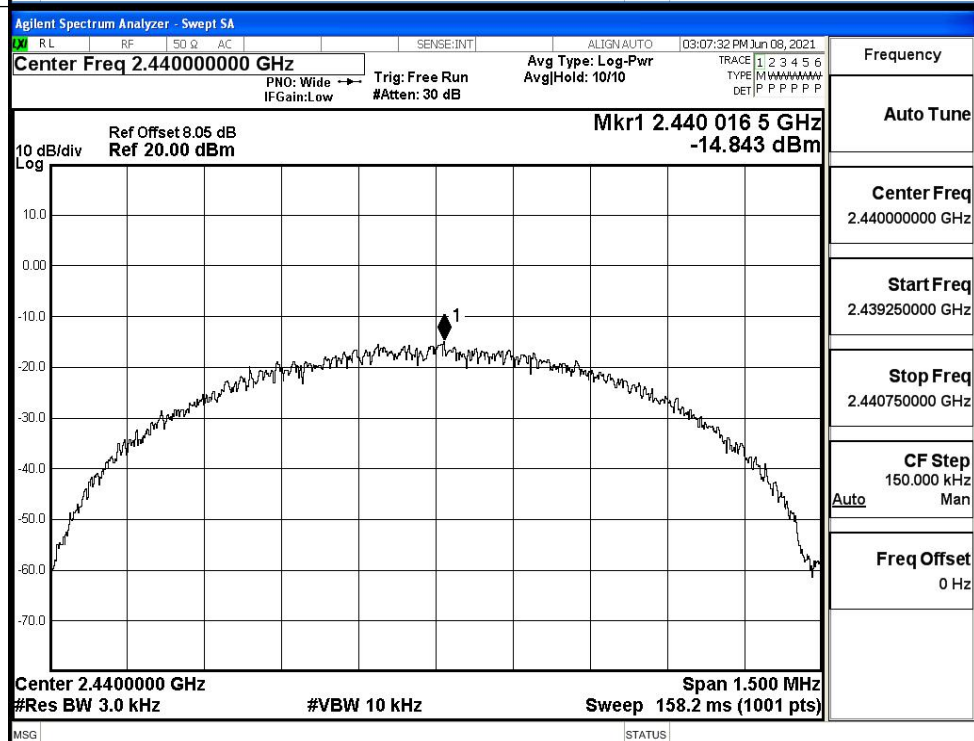
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.445	8	PASS
BT LE	MCH	-14.843	8	PASS
BT LE	HCH	-14.404	8	PASS

Test Graphs

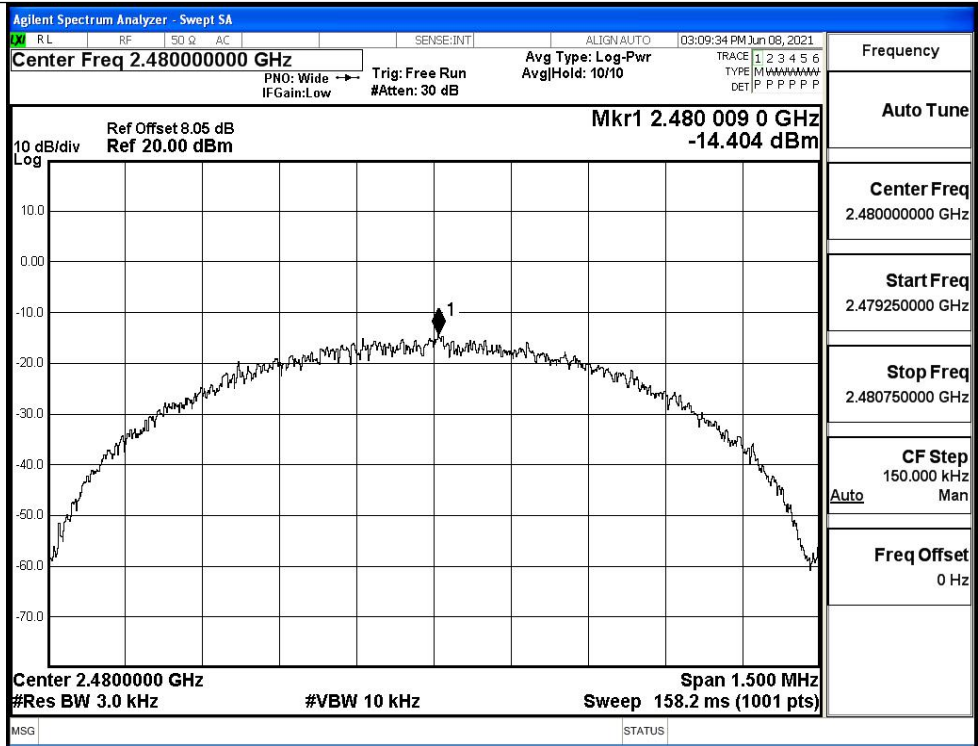
LCH



MCH



HCH

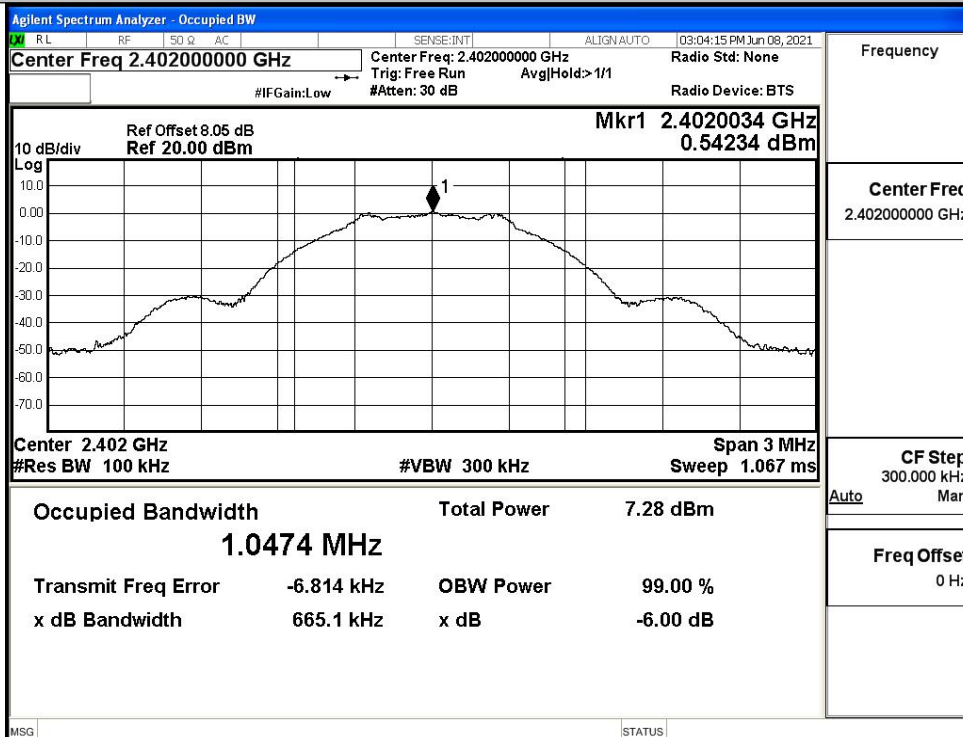


B.4 6dB Bandwidth

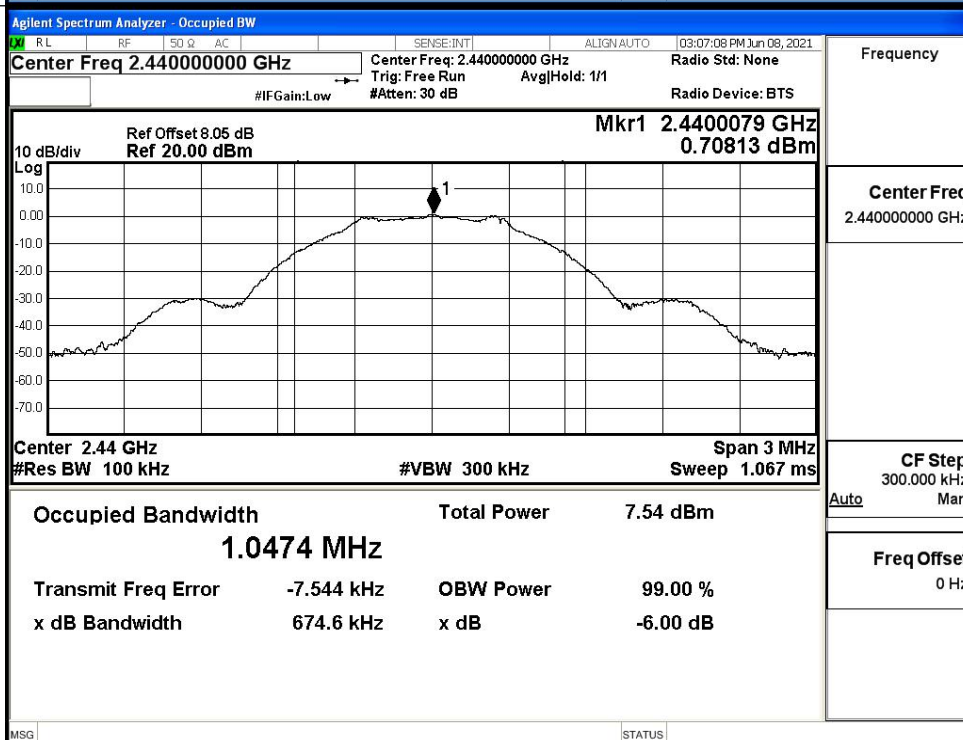
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6651	≥ 0.5	PASS
BT LE	MCH	0.6746	≥ 0.5	PASS
BT LE	HCH	0.6539	≥ 0.5	PASS

Test Graphs

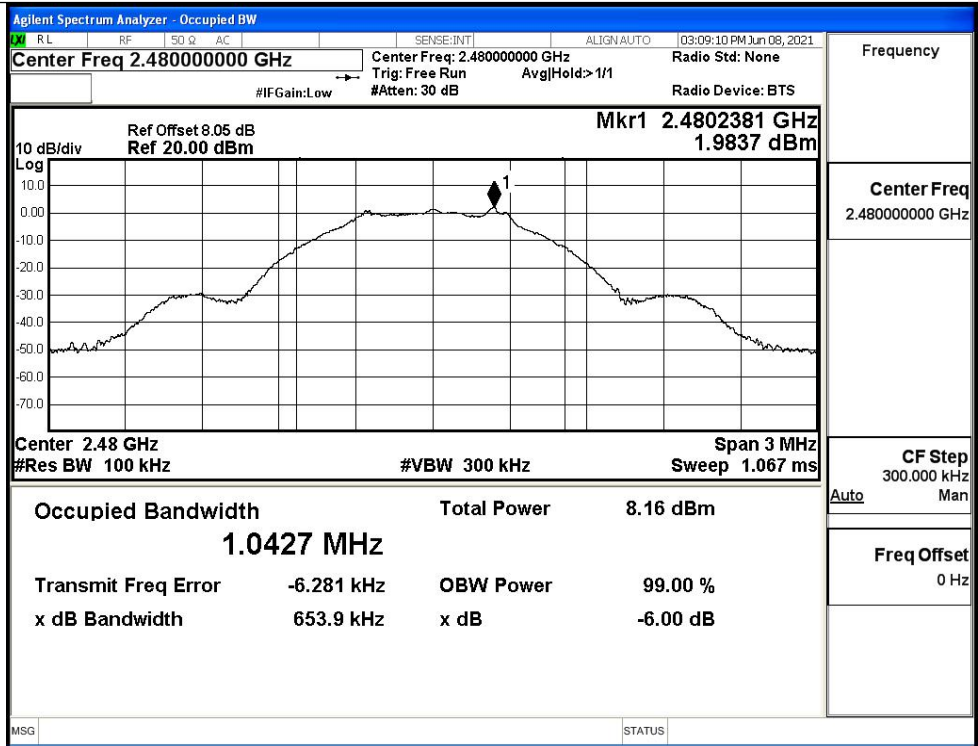
LCH



MCH



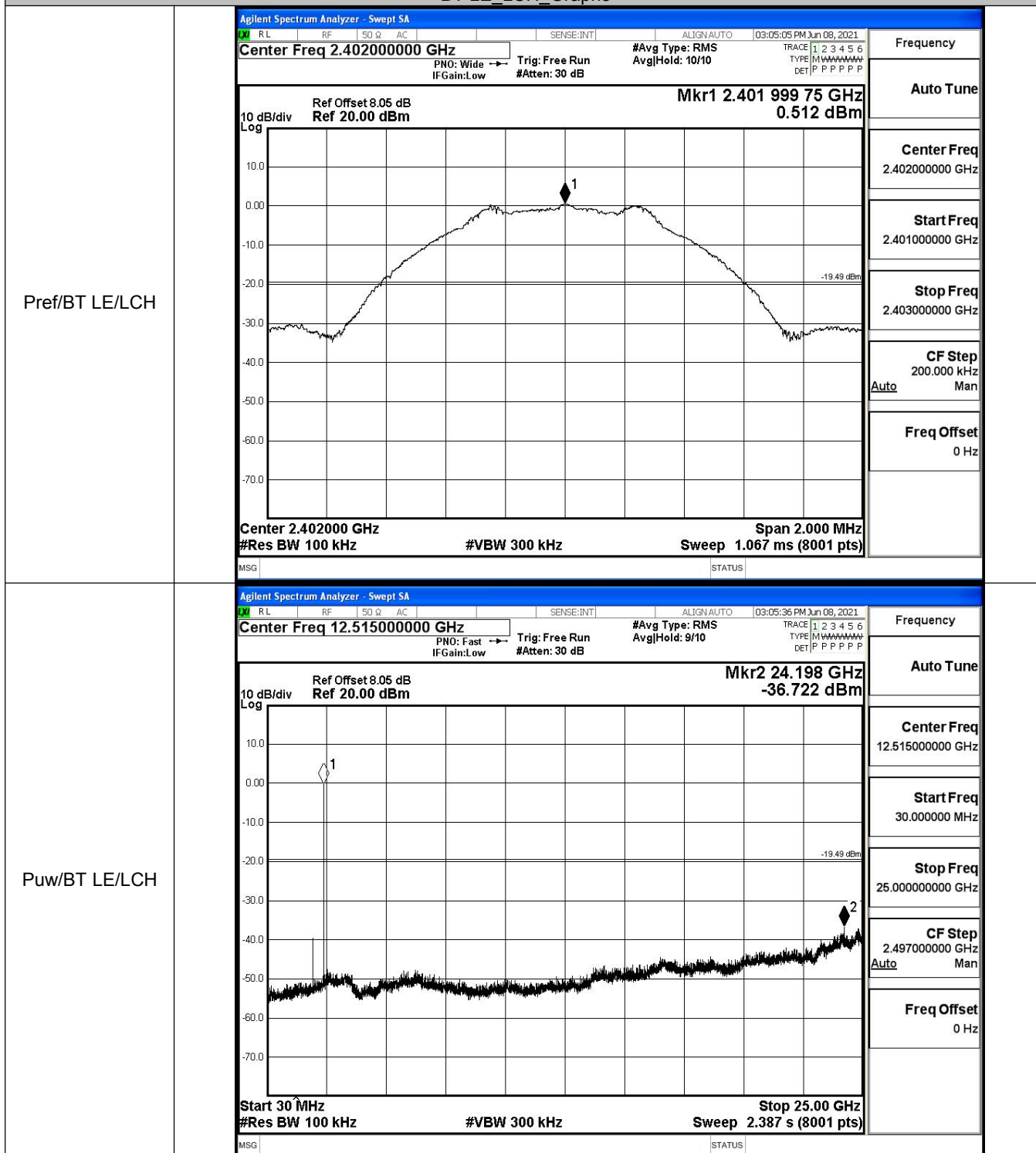
HCH



B.5 RF Conducted Spurious Emissions

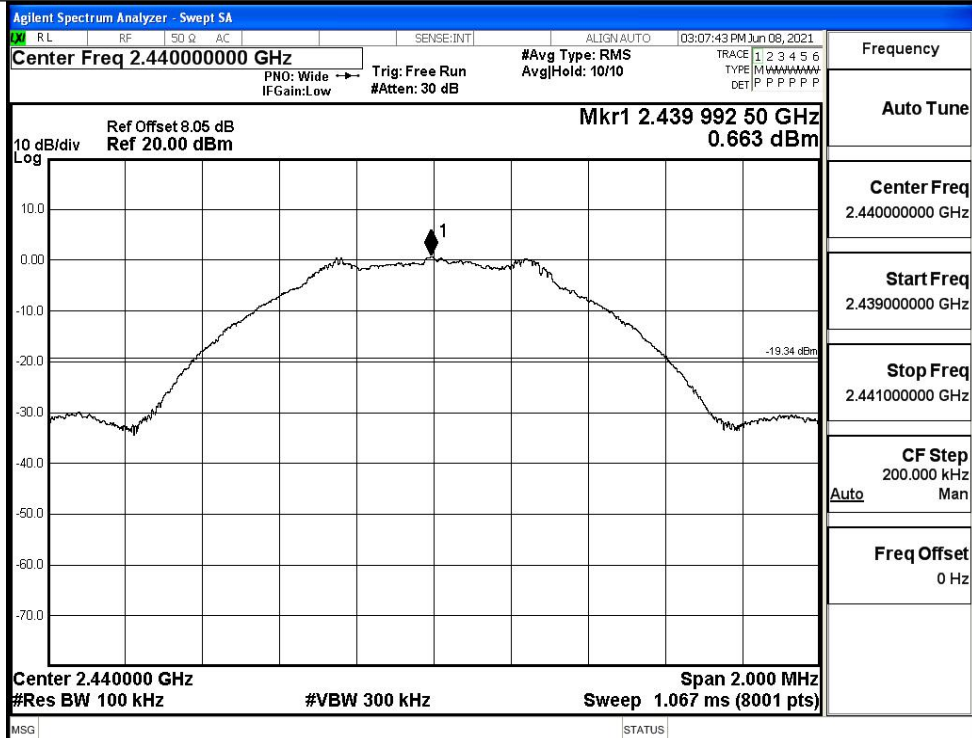
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.512	-36.722	-19.488	PASS
BT LE	MCH	0.663	-37.115	-19.337	PASS
BT LE	HCH	2.026	-37.096	-17.974	PASS

BT LE_LCH_Graphs

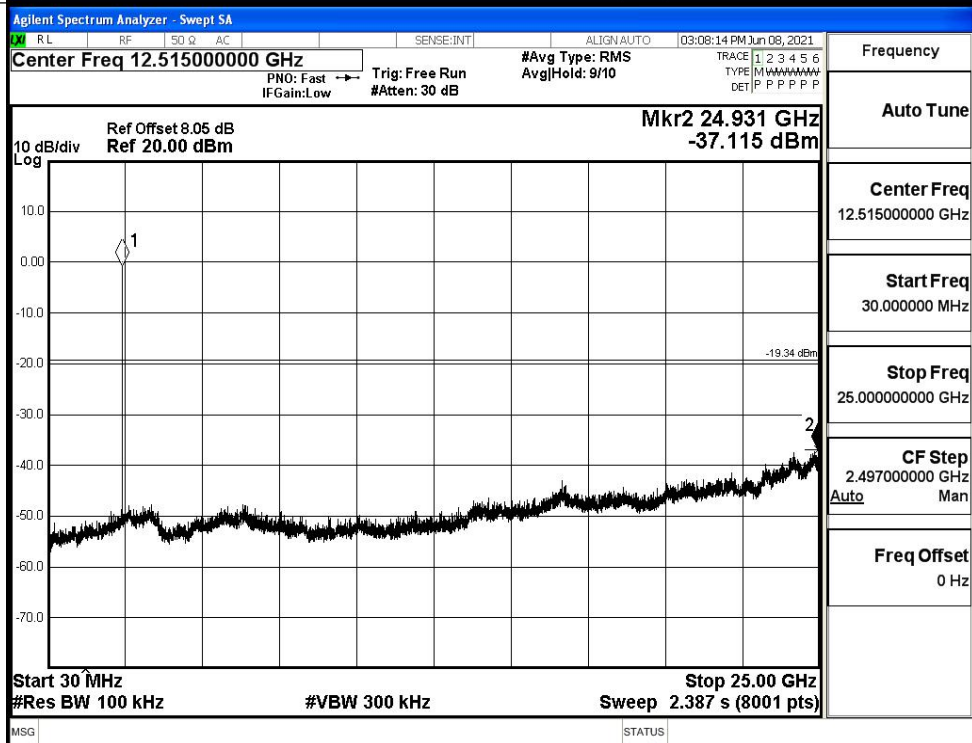


BT LE MCH Graphs

Pref/BT LE/MCH

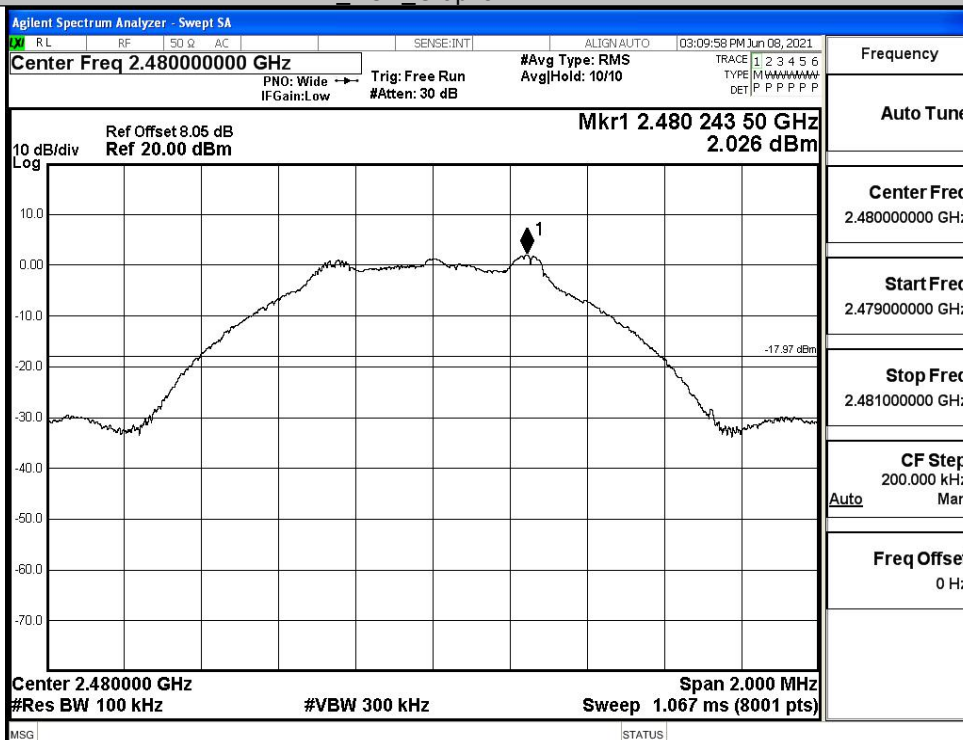


Puw/BT LE/MCH

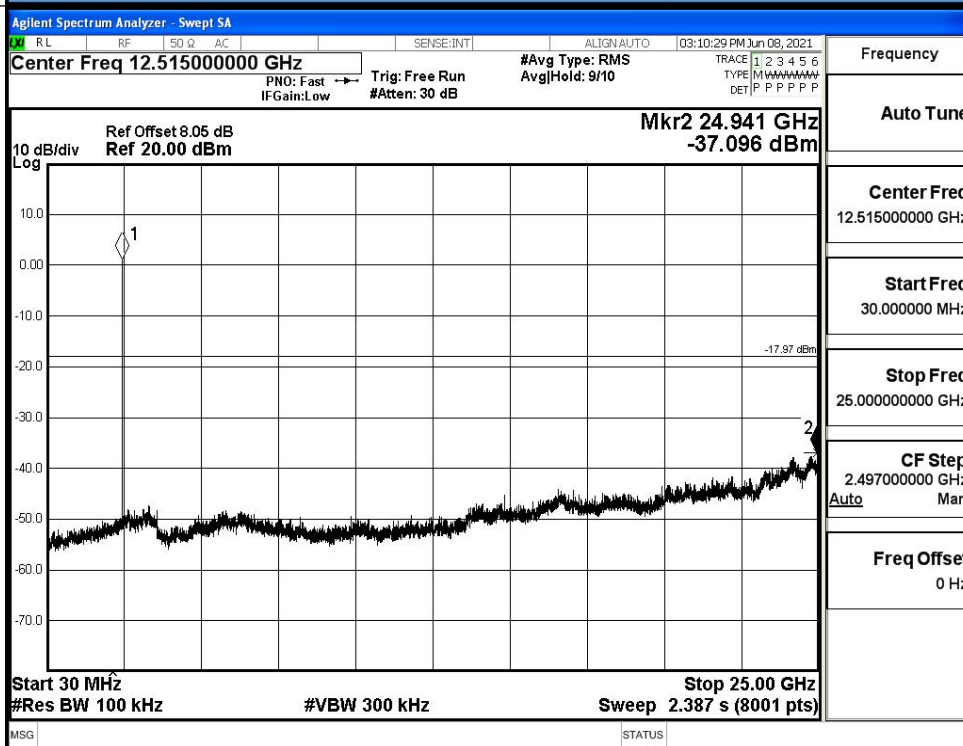


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

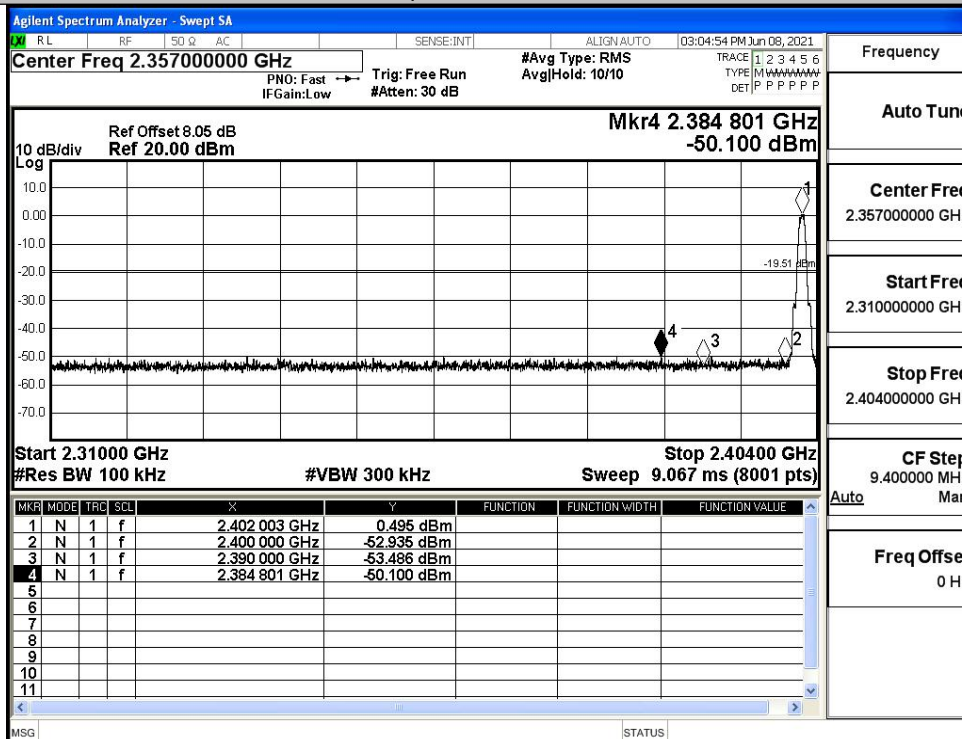


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	0.495	-50.100	-19.51	PASS
BT LE	HCH	0.833	-49.104	-19.17	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

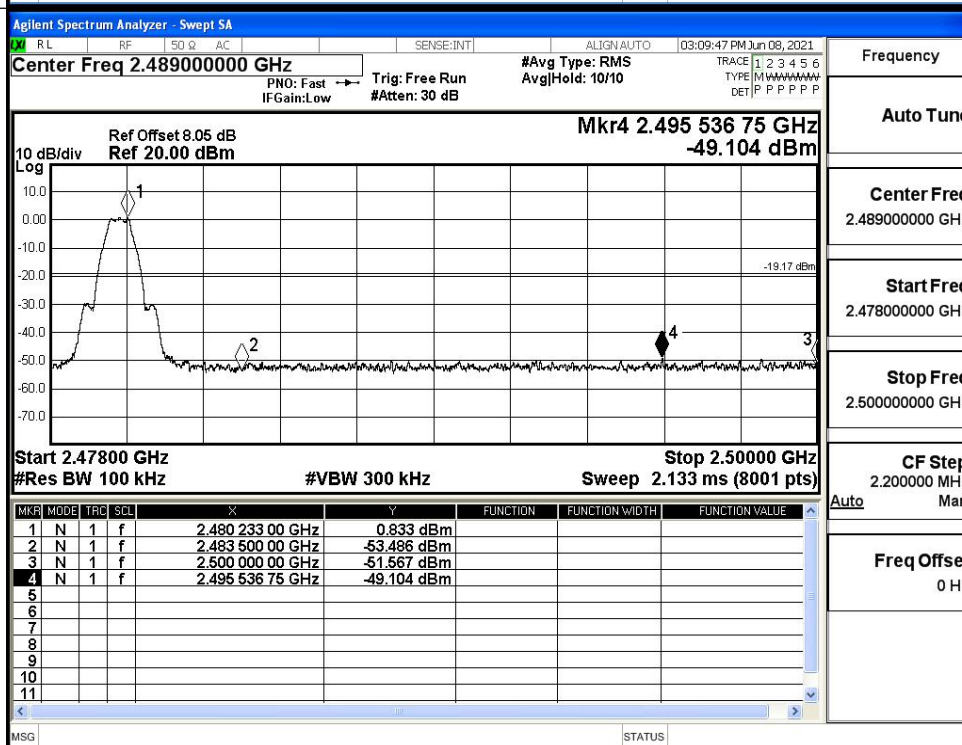
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

HCH



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

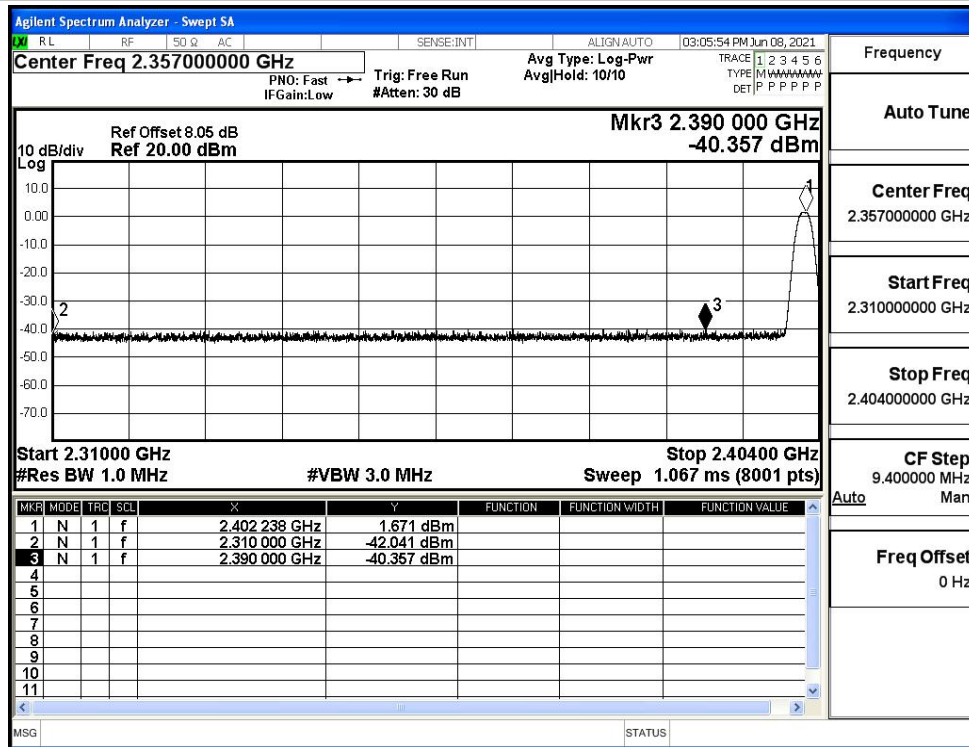
CF Step
2.200000 MHz

Freq Offset
0 Hz

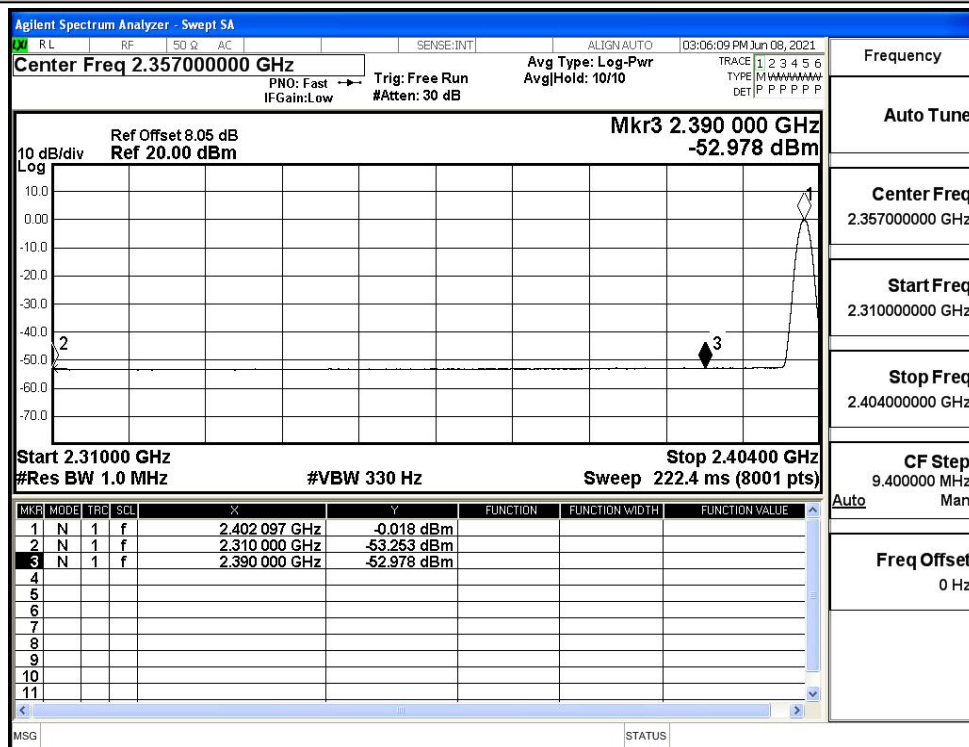
B.7 Restrict-band band-edge measurements

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	-42.04	2.0	0	55.19	PEAK	74	PASS
		Ant1	2310.0	-53.25	2.0	0	43.98	AV	54	PASS
		Ant1	2390.0	-40.36	2.0	0	56.87	PEAK	74	PASS
		Ant1	2390.0	-52.98	2.0	0	44.25	AV	54	PASS
	2480	Ant1	2483.5	-41.01	2.0	0	56.22	PEAK	74	PASS
		Ant1	2483.5	-52.39	2.0	0	44.84	AV	54	PASS
		Ant1	2500.0	-42.31	2.0	0	54.92	PEAK	74	PASS
		Ant1	2500.0	-52.27	2.0	0	44.96	AV	54	PASS

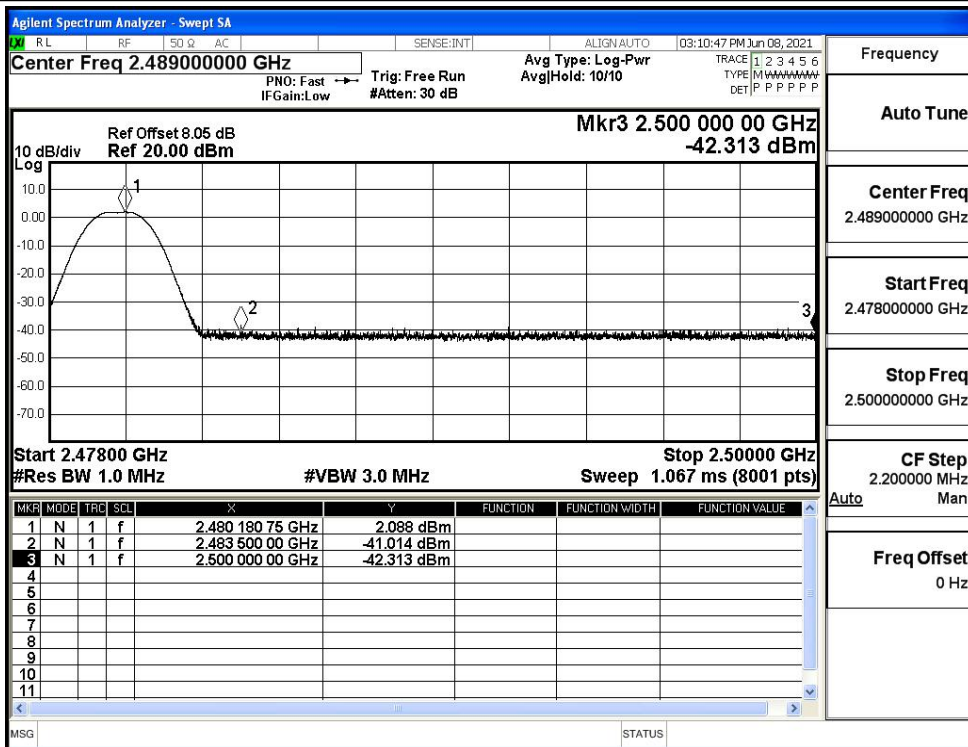
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

