

Appendix B

RF Test Data for BT V4.1(BDR/EDR) (Conducted Measurement)

Product Name: TABLET PC

Trade Mark: Simbans

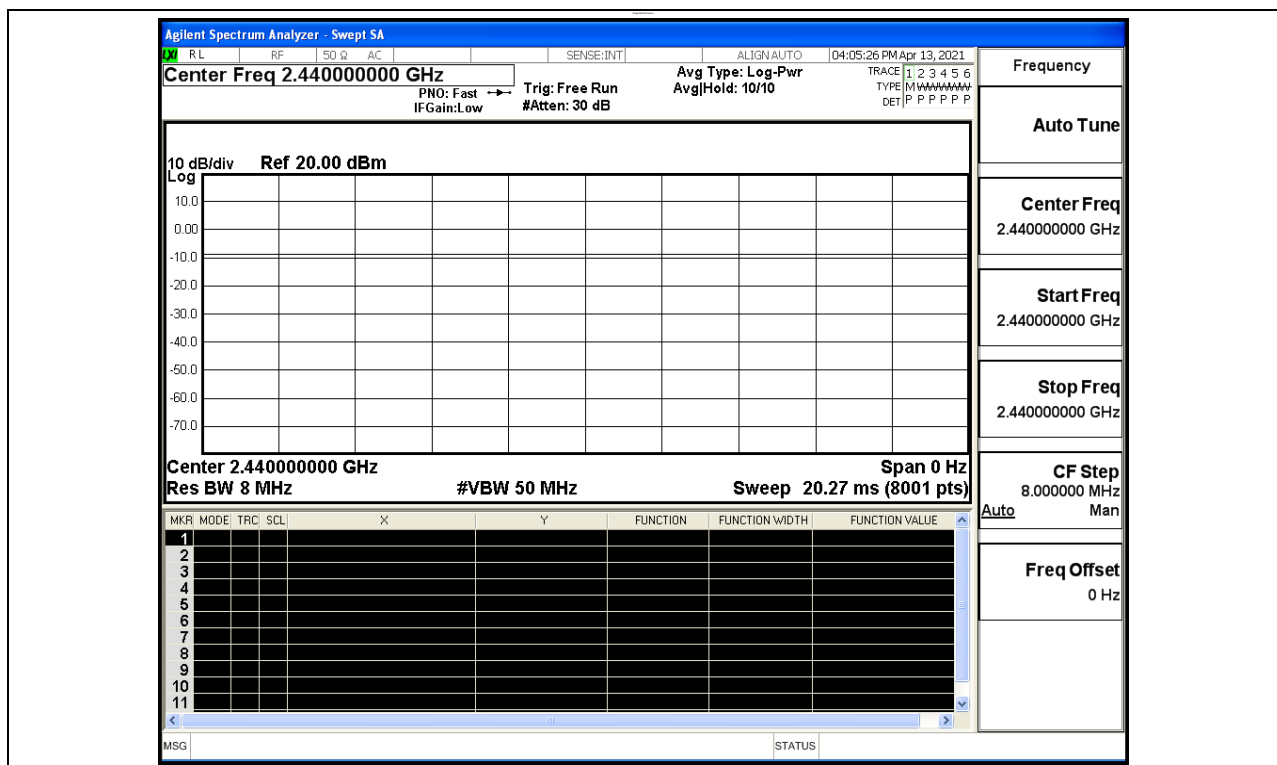
Test Model: TangoTab_XL

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

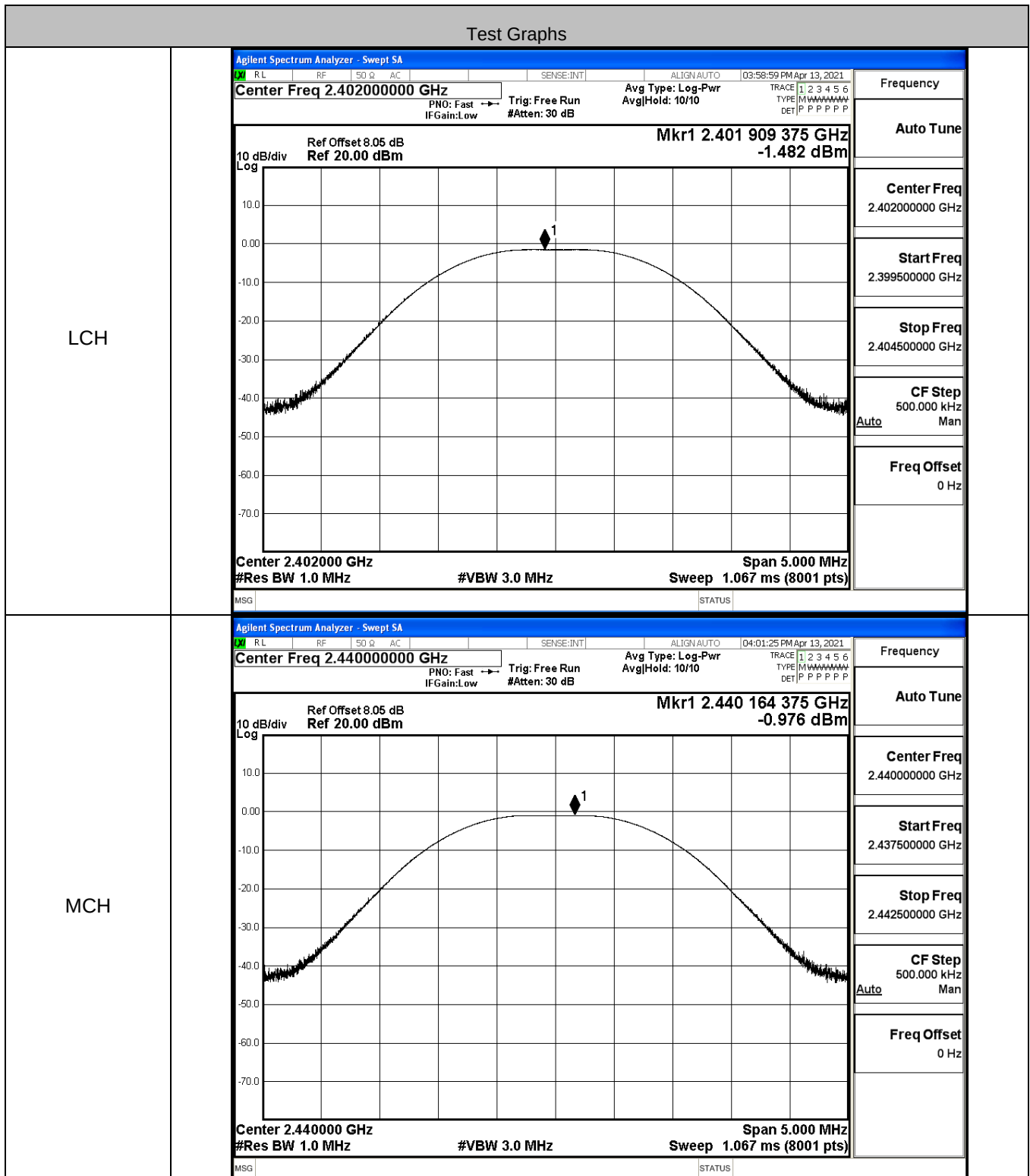
B.1 Duty Cycle

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

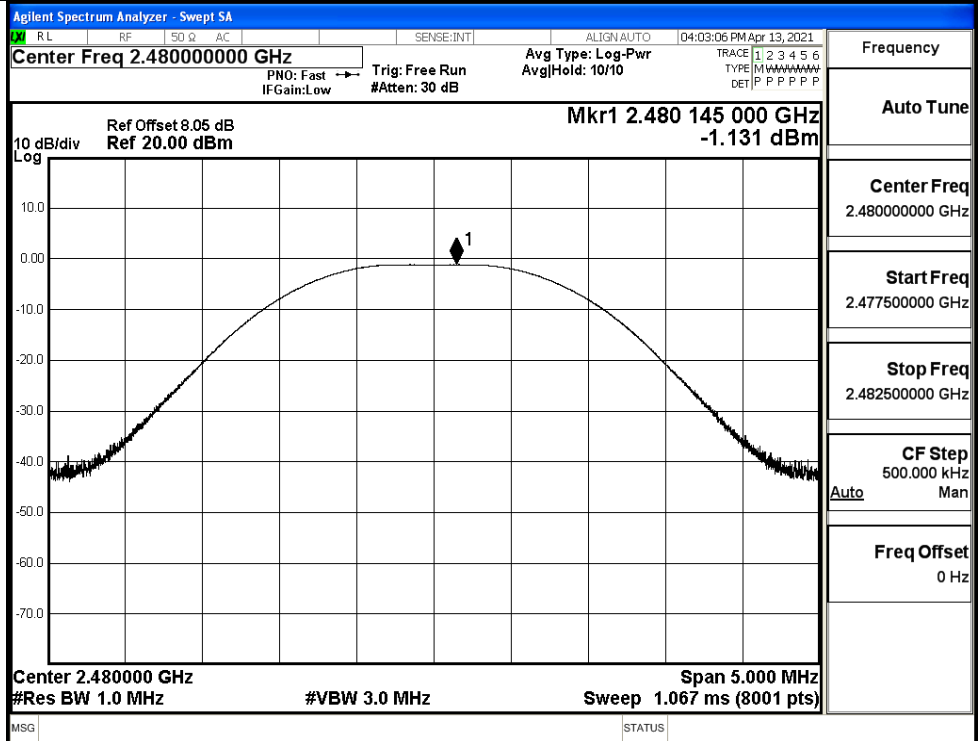


B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.482	21	PASS
BT LE	MCH	-0.976	21	PASS
BT LE	HCH	-1.131	21	PASS



HCH

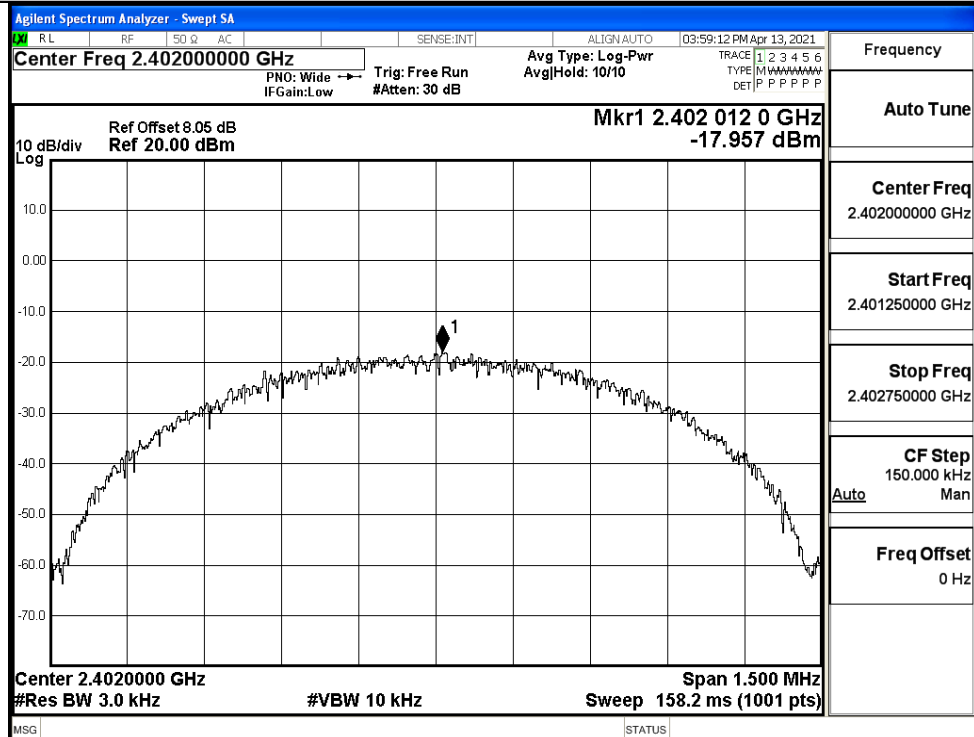


B.3 Maximum Power Spectral Density

Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-17.957	8	PASS
BT LE	MCH	-17.220	8	PASS
BT LE	HCH	-17.247	8	PASS

Test Graphs

LCH

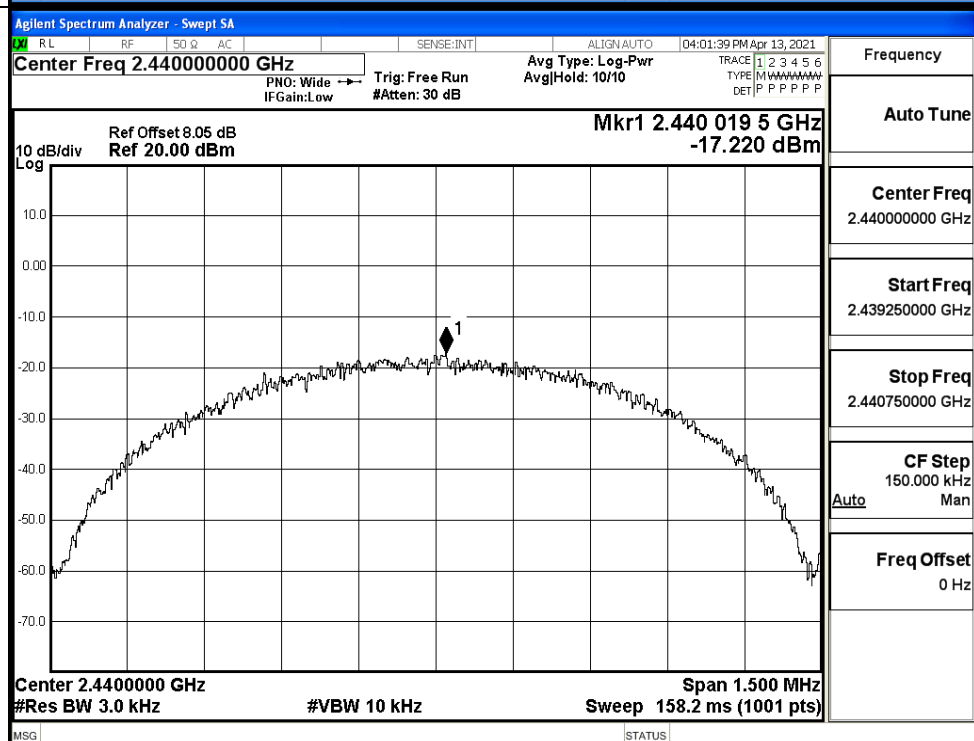


Frequency

Auto Tune

Center Freq
2.402000000 GHzStart Freq
2.401250000 GHzStop Freq
2.402750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

MCH

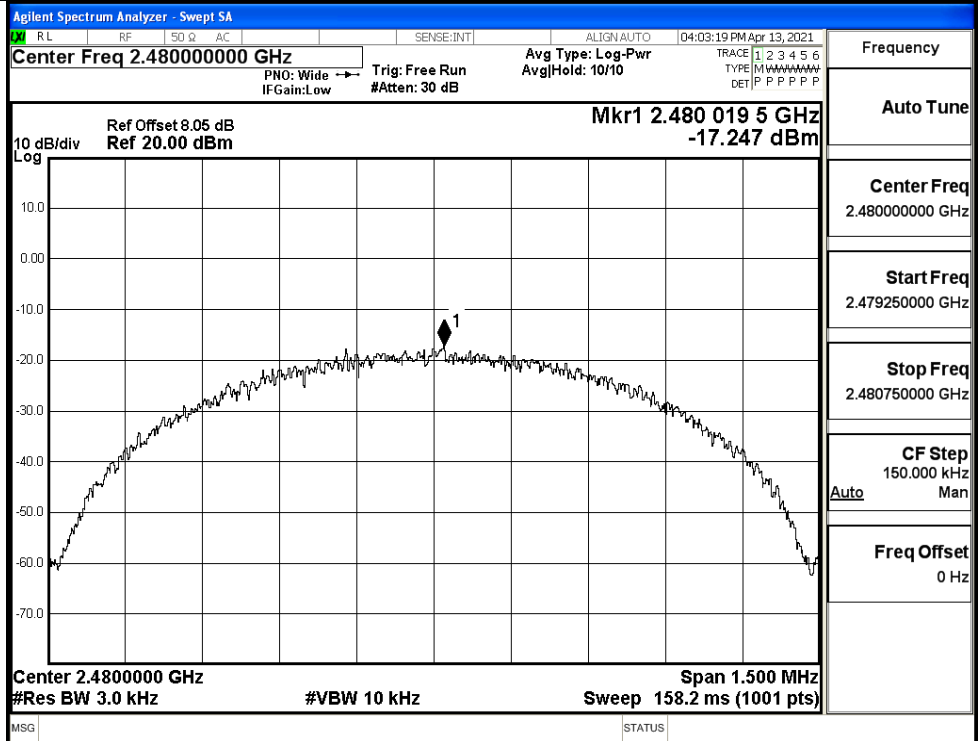


Frequency

Auto Tune

Center Freq
2.440000000 GHzStart Freq
2.439250000 GHzStop Freq
2.440750000 GHzCF Step
150.000 kHz
Auto ManFreq Offset
0 Hz

HCH

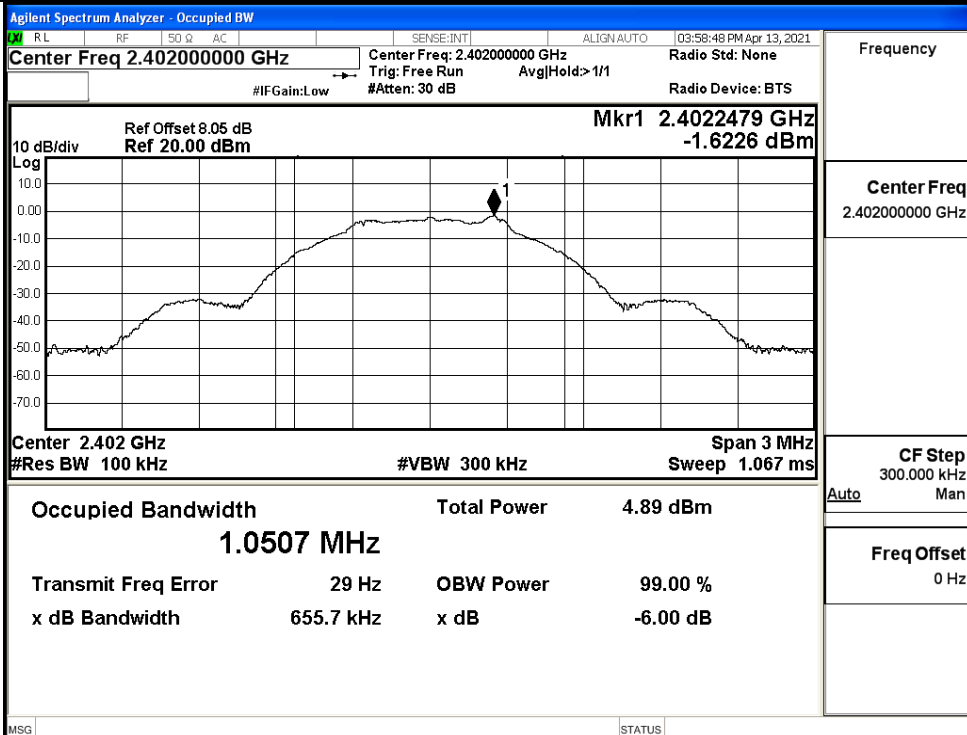


B.4 6dB Bandwidth

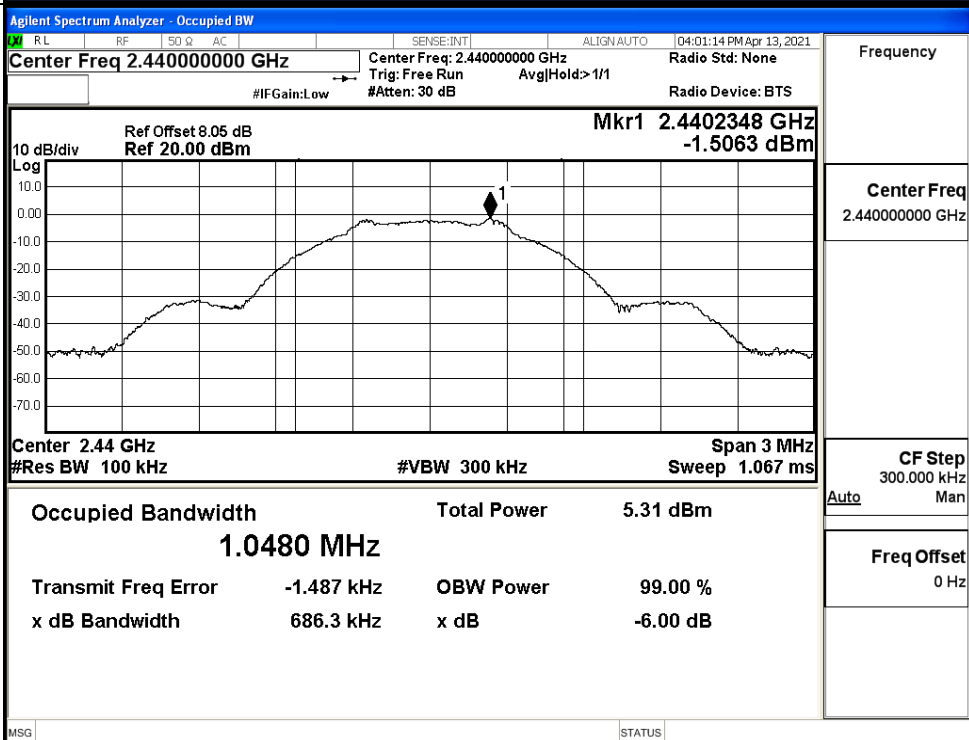
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6557	≥ 0.5	PASS
BT LE	MCH	0.6863	≥ 0.5	PASS
BT LE	HCH	0.6584	≥ 0.5	PASS

Test Graphs

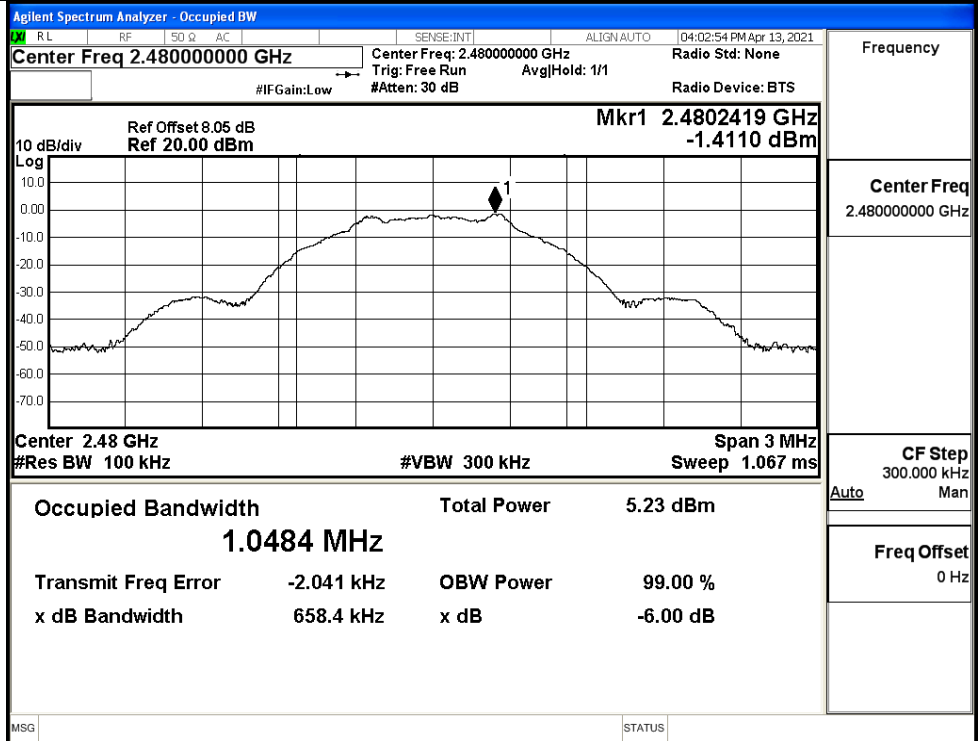
LCH



MCH



HCH

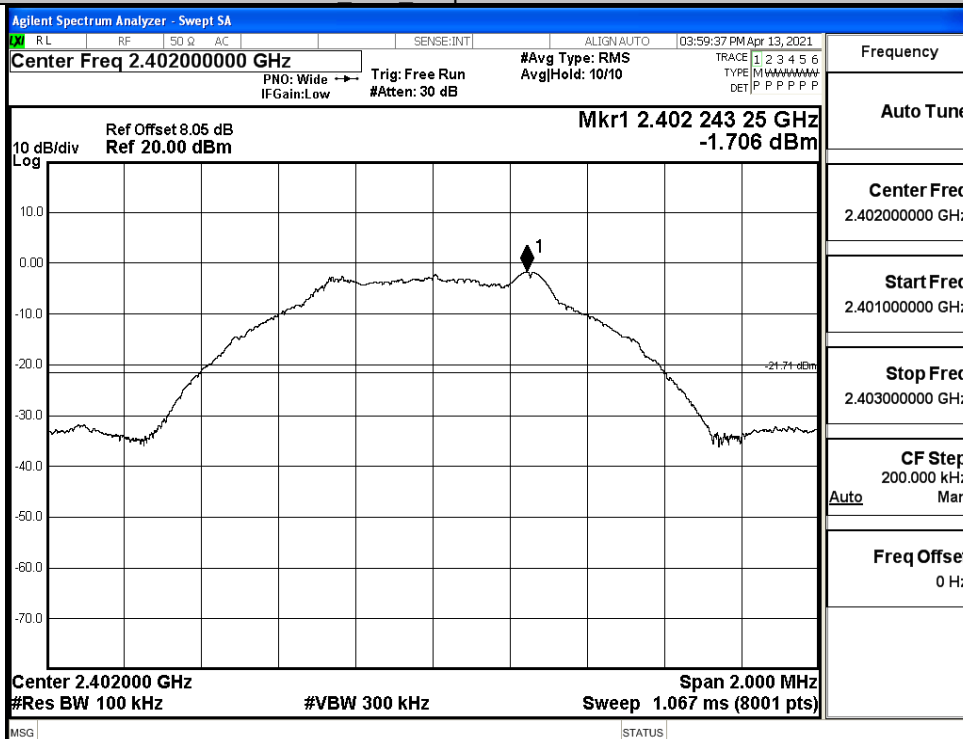


B.5 RF Conducted Spurious Emissions

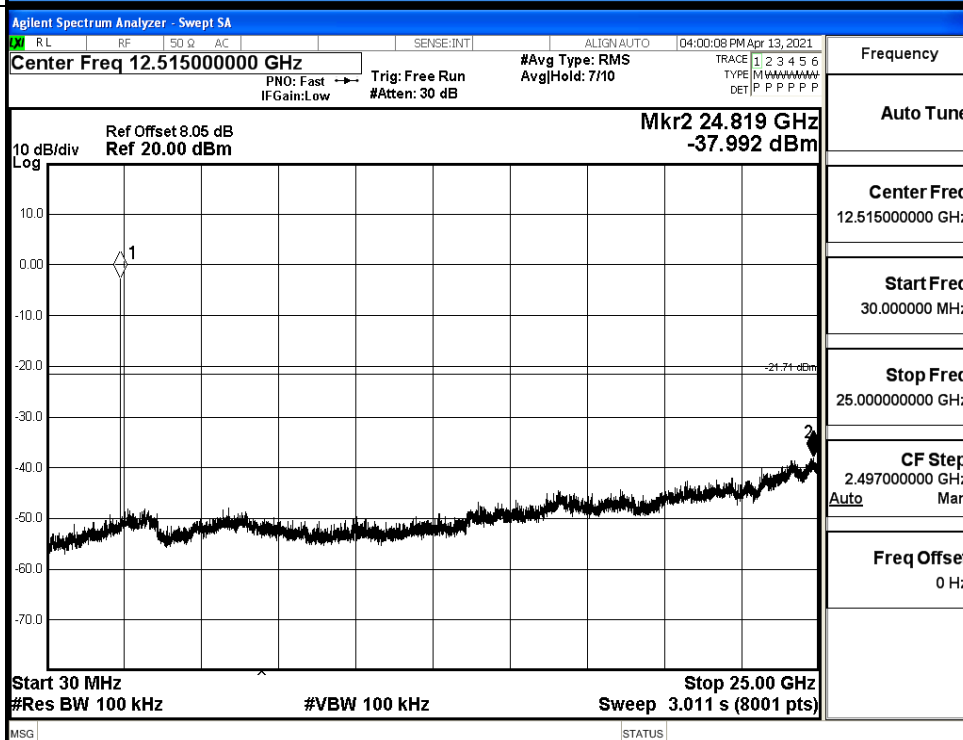
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.706	-37.992	-21.706	PASS
BT LE	MCH	-1.18	-37.703	-21.180	PASS
BT LE	HCH	-1.829	-37.086	-21.829	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

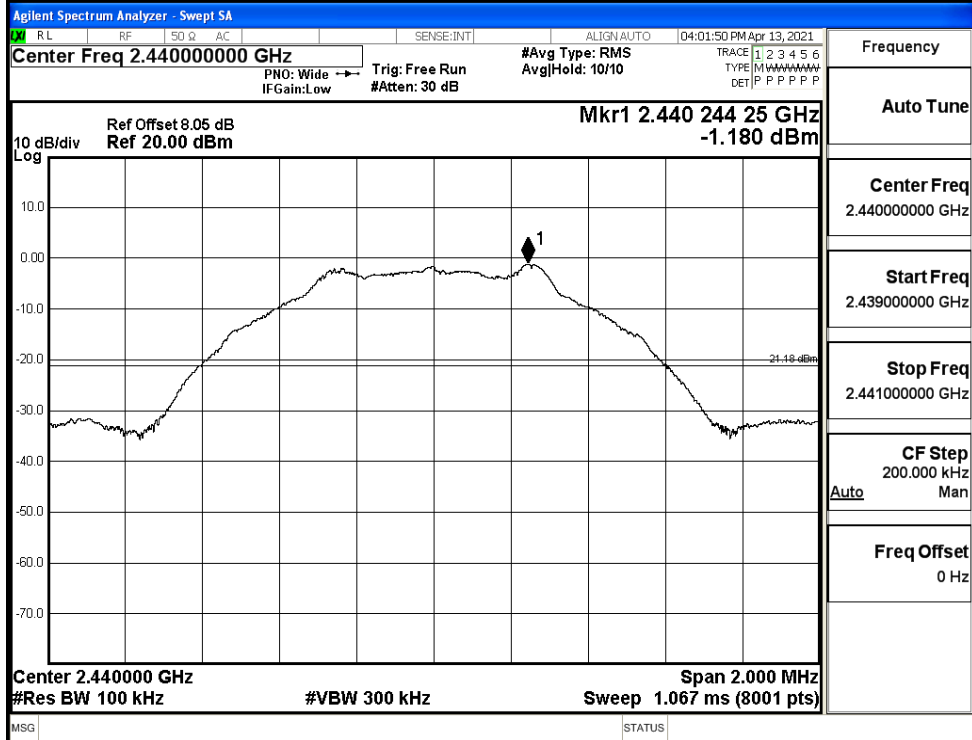


Puw/BT LE/LCH



BT LE MCH Graphs

Pref/BT LE/MCH

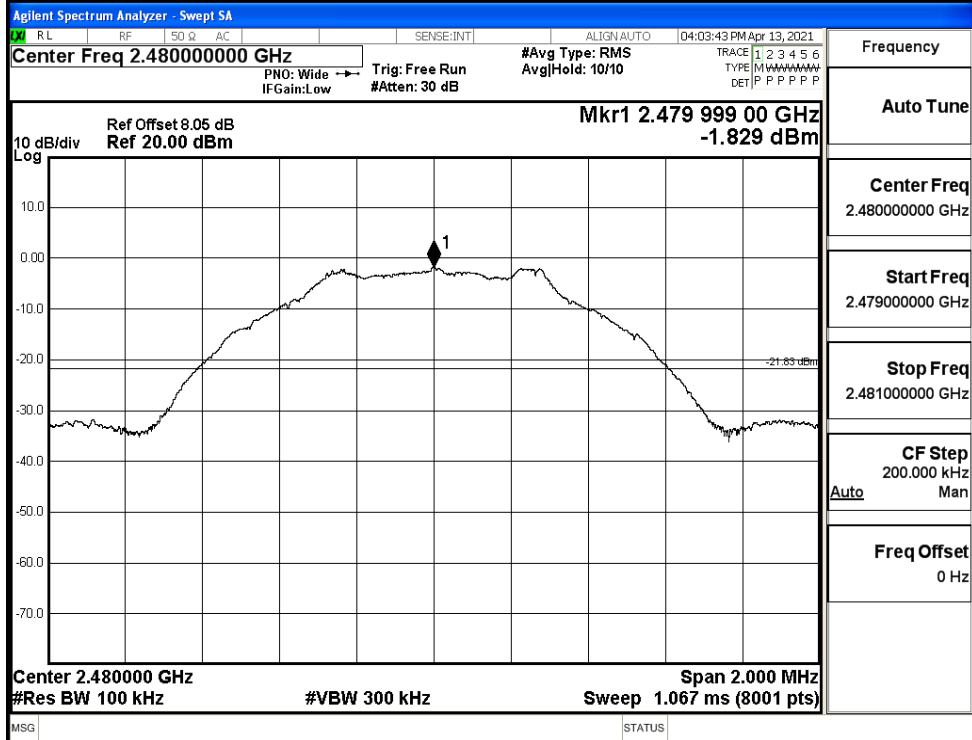


Puw/BT LE/MCH

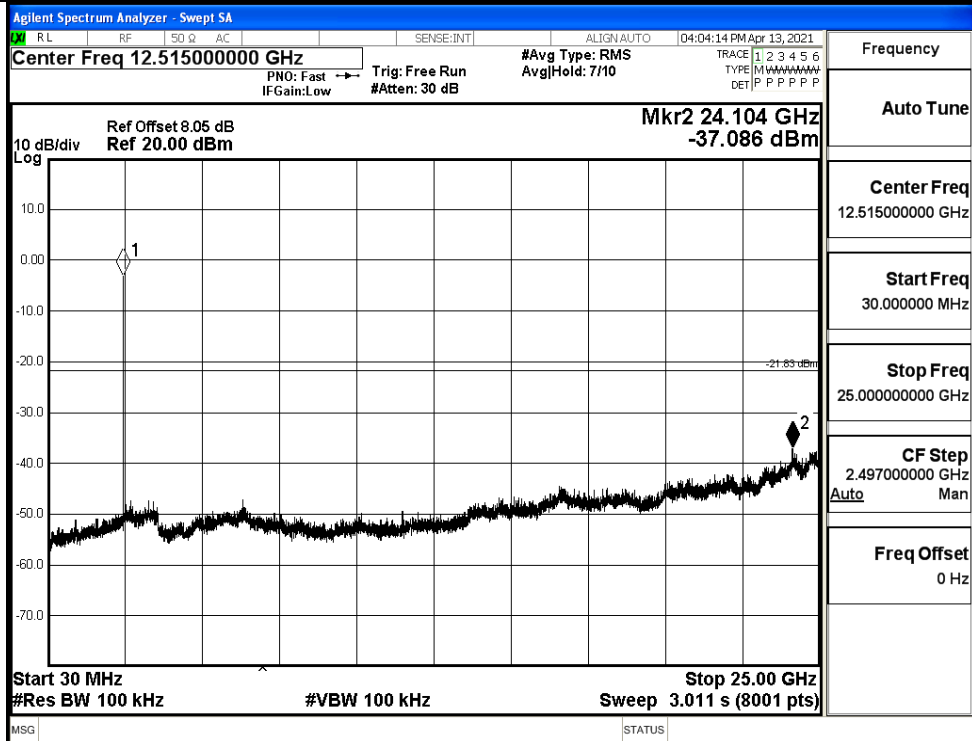


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

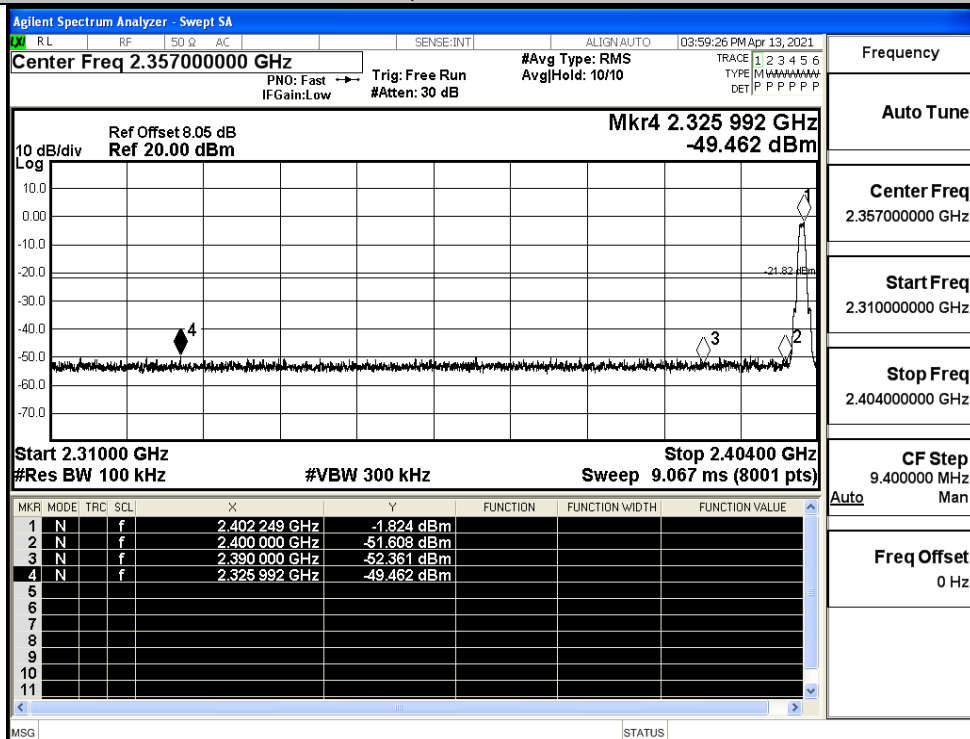


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.824	-49.462	-21.82	PASS
BT LE	HCH	-1.271	-48.949	-21.27	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq
2.357000000 GHz

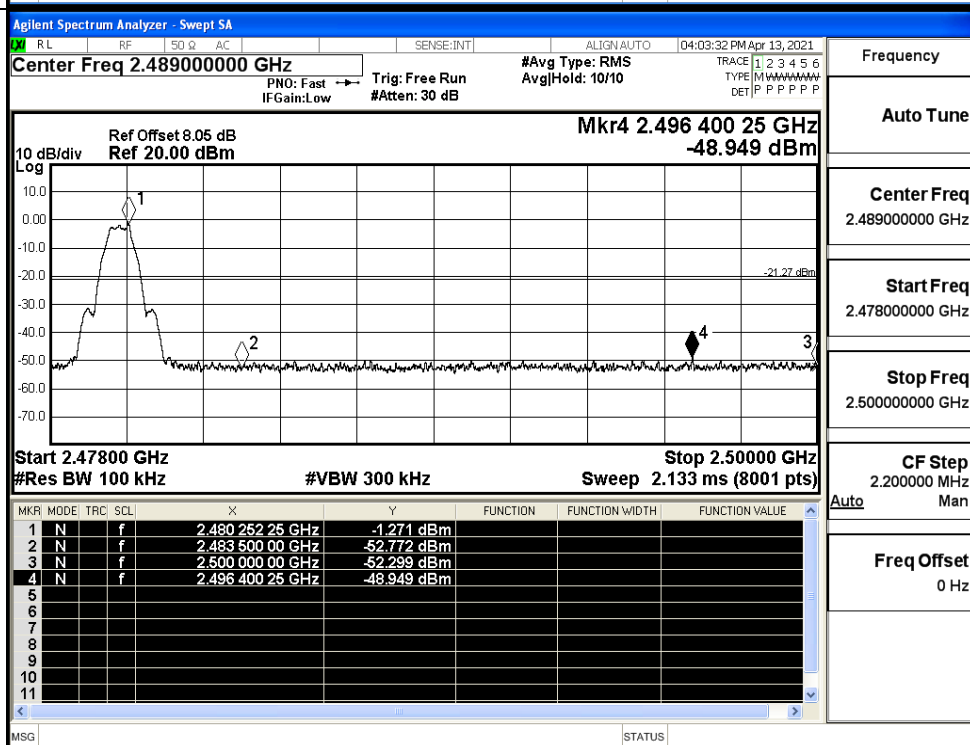
Start Freq
2.310000000 GHz

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

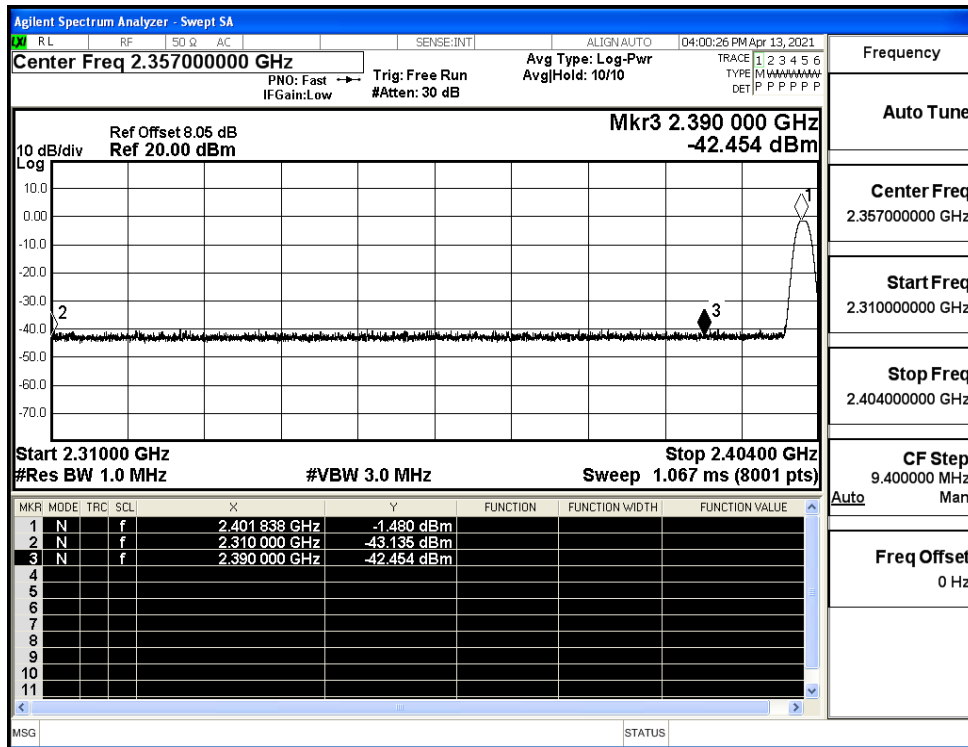
CF Step
2.200000 MHz

Freq Offset
0 Hz

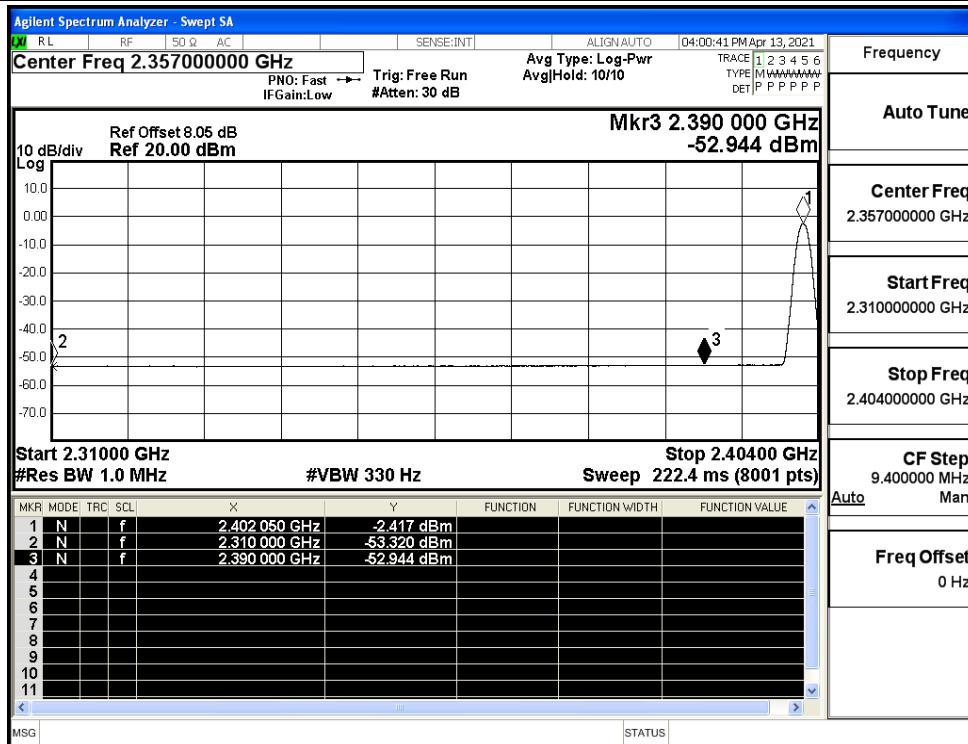
B.7 Restrict-band band-edge measurements

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	-43.14	2.0	0	54.09	PEAK	74	PASS
		Ant1	2310.0	-53.32	2.0	0	43.91	AV	54	PASS
		Ant1	2390.0	-42.45	2.0	0	54.78	PEAK	74	PASS
		Ant1	2390.0	-52.94	2.0	0	44.29	AV	54	PASS
	2480	Ant1	2483.5	-40.88	2.0	0	56.35	PEAK	74	PASS
		Ant1	2483.5	-52.34	2.0	0	44.89	AV	54	PASS
		Ant1	2500.0	-42.84	2.0	0	54.39	PEAK	74	PASS
		Ant1	2500.0	-52.32	2.0	0	44.91	AV	54	PASS

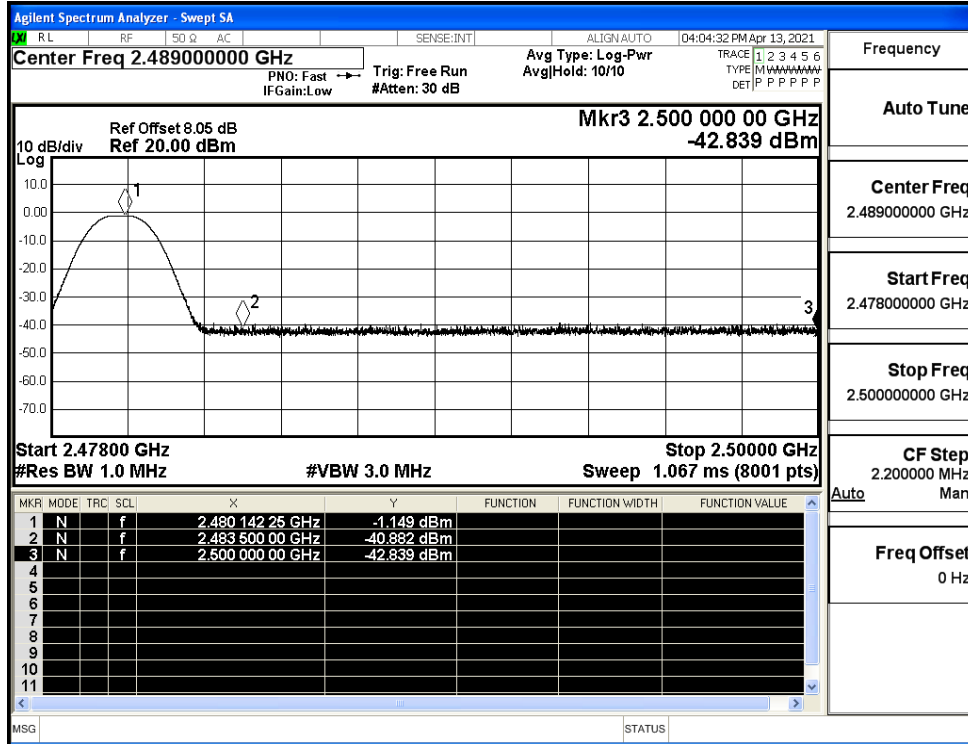
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

