

Appendix B

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

Product Name: Dockin D Fine Bluetooth Speaker

Trade Mark: Dockin

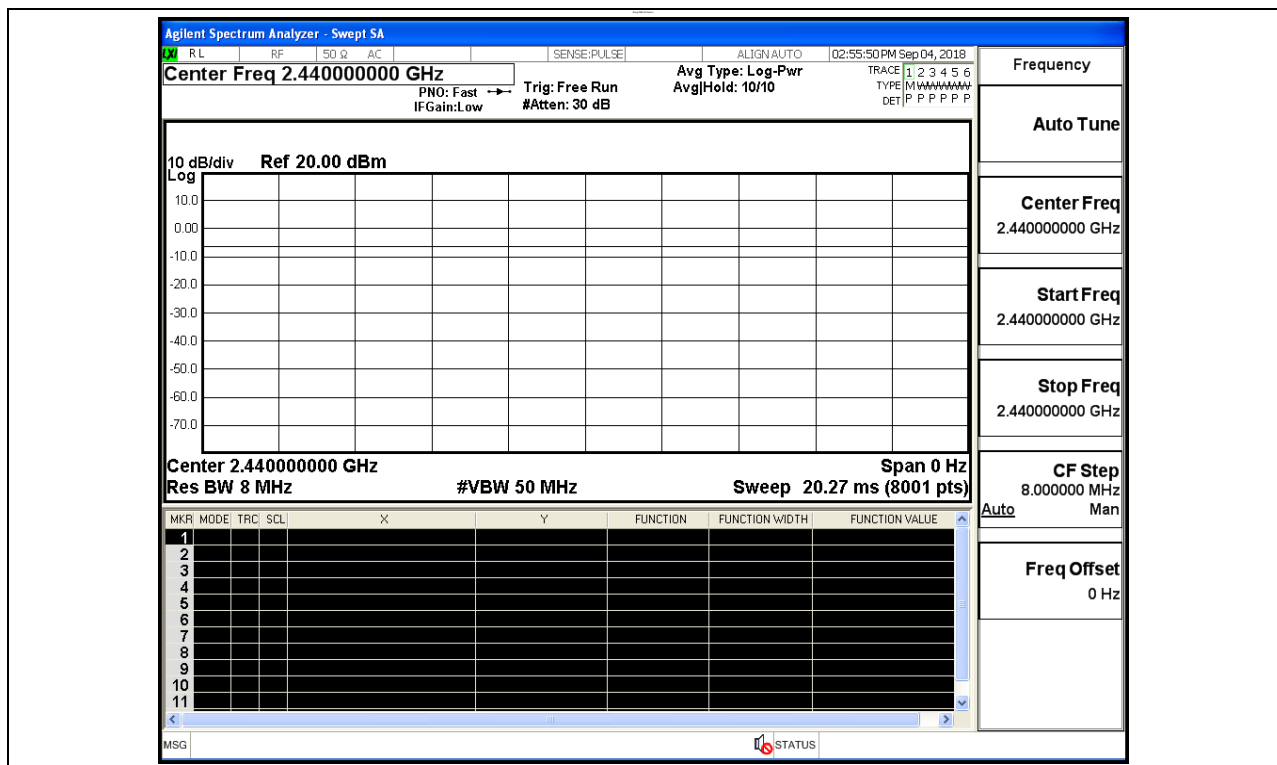
Test Model: 15231

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina Xu
Supervised by:	Jayden.Zhuo

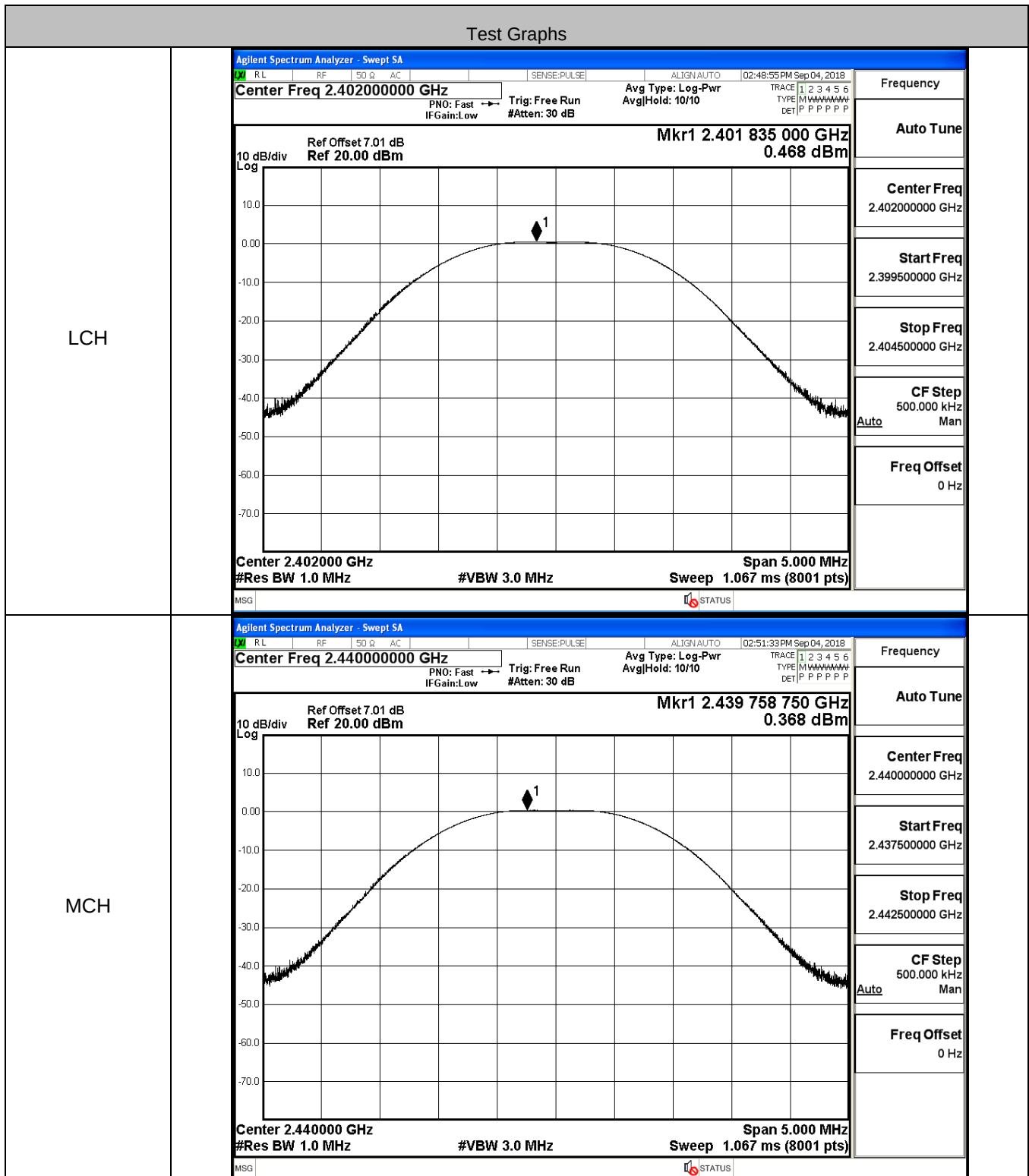
B.1 Duty Cycle

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	0.468	30	PASS
BT LE	MCH	0.368	30	PASS
BT LE	HCH	0.231	30	PASS



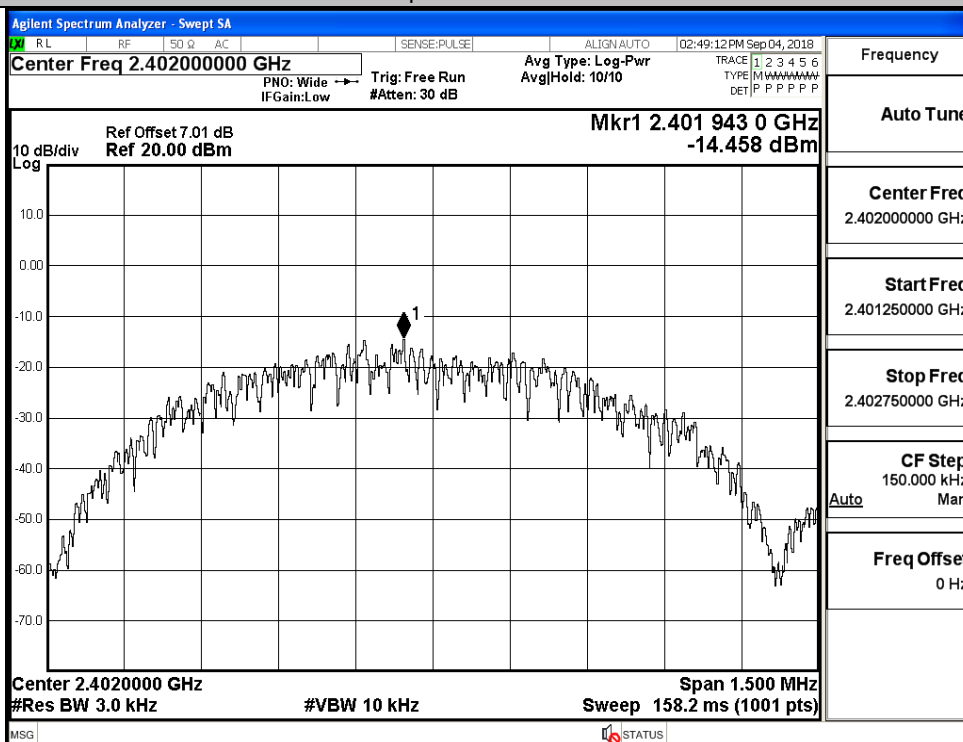


B.3 Maximum Power Spectral Density

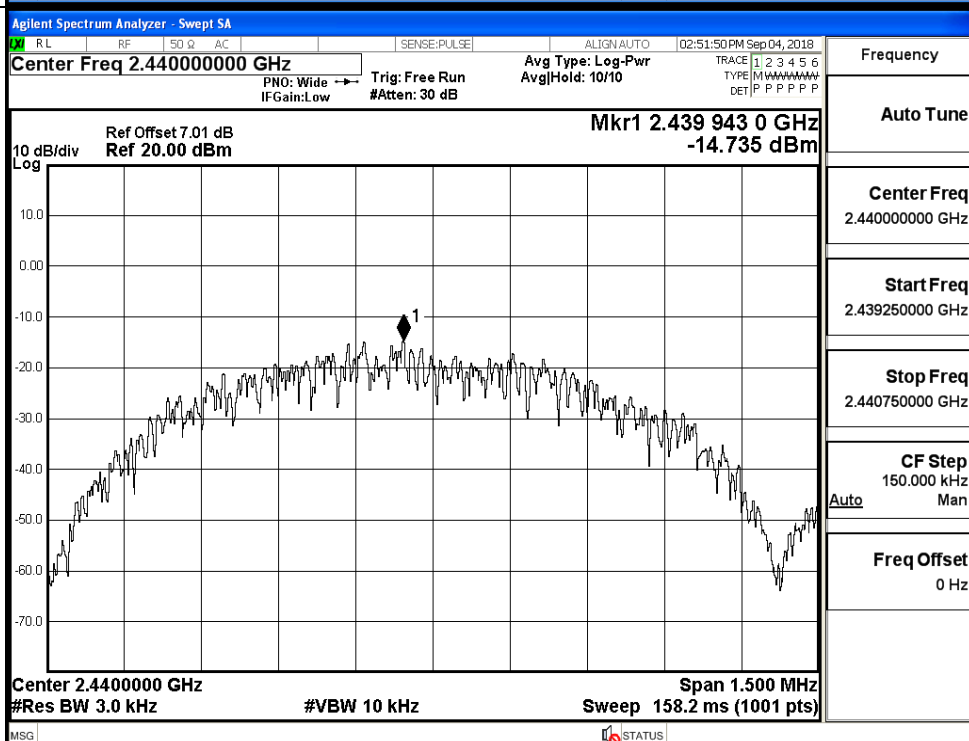
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-14.458	8	PASS
BT LE	MCH	-14.735	8	PASS
BT LE	HCH	-14.645	8	PASS

Test Graphs

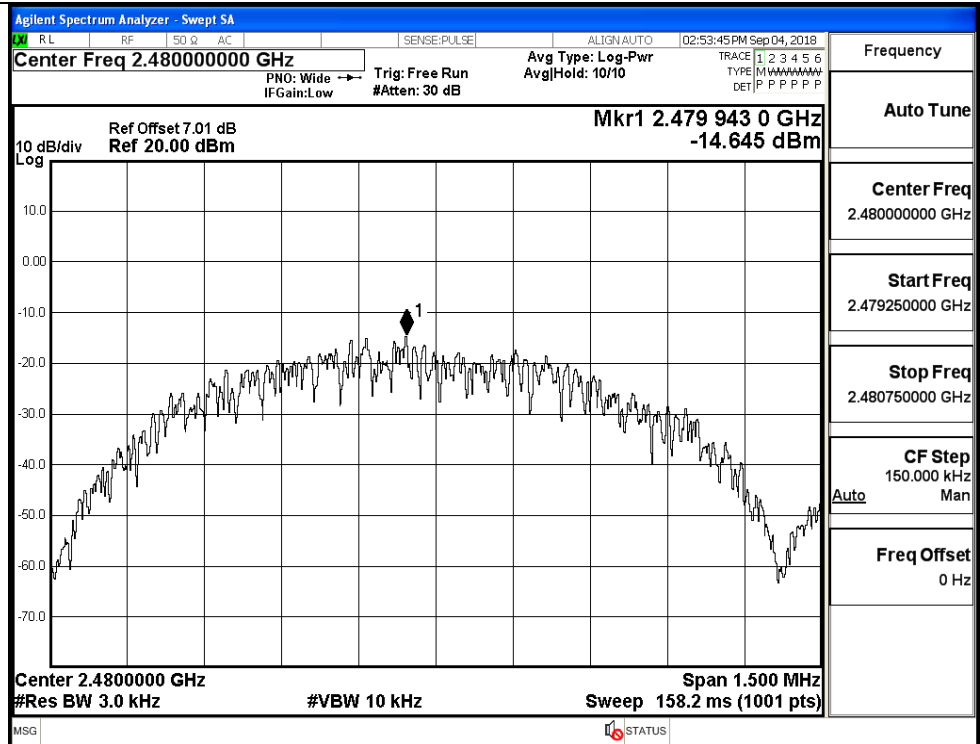
LCH



MCH



HCH

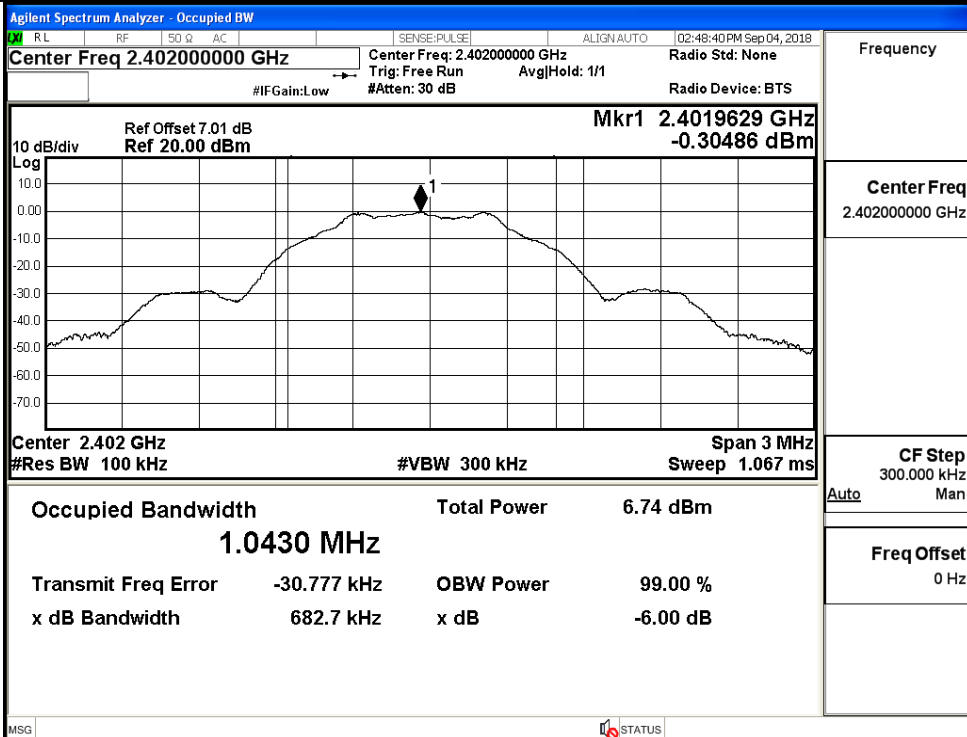


B.4 6dB Bandwidth

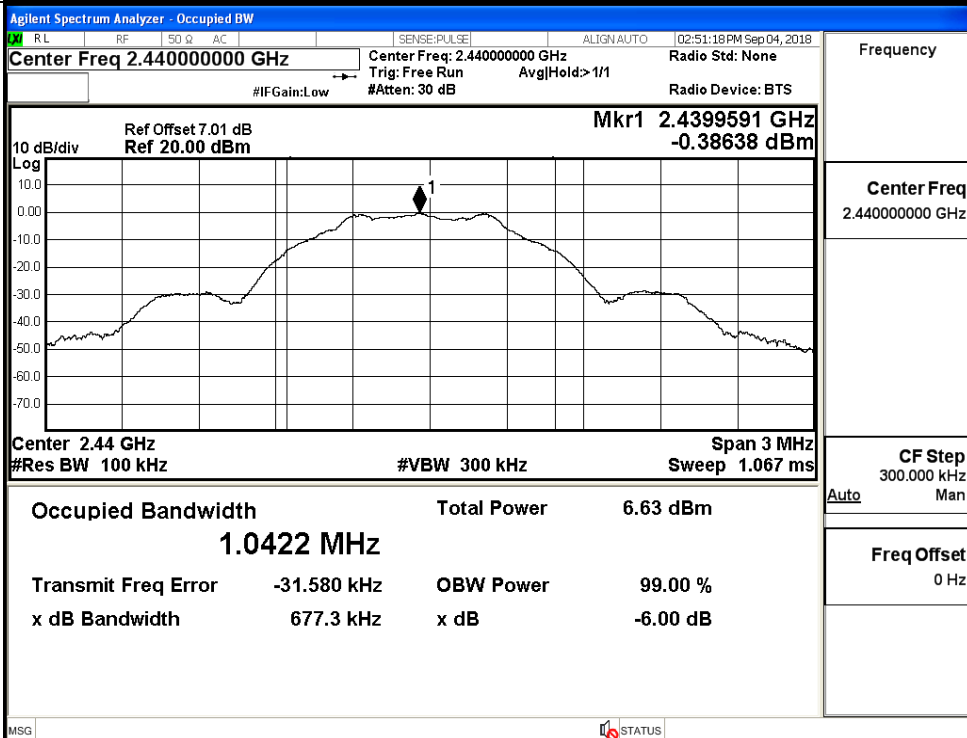
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6827	≥ 0.5	PASS
BT LE	MCH	0.6773	≥ 0.5	PASS
BT LE	HCH	0.6964	≥ 0.5	PASS

Test Graphs

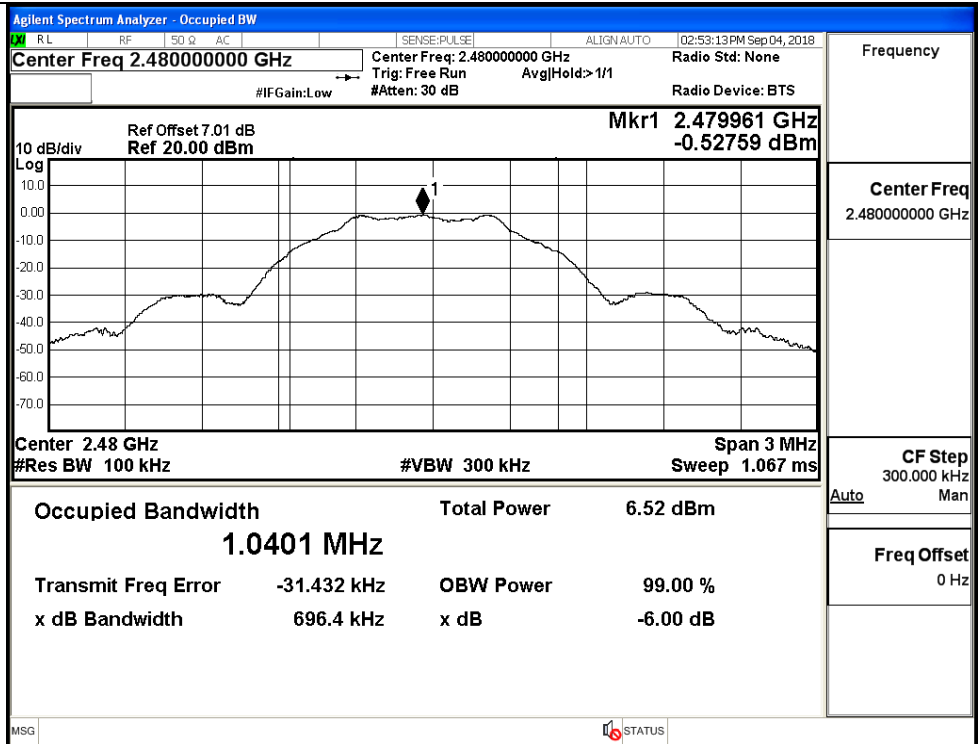
LCH



MCH



HCH

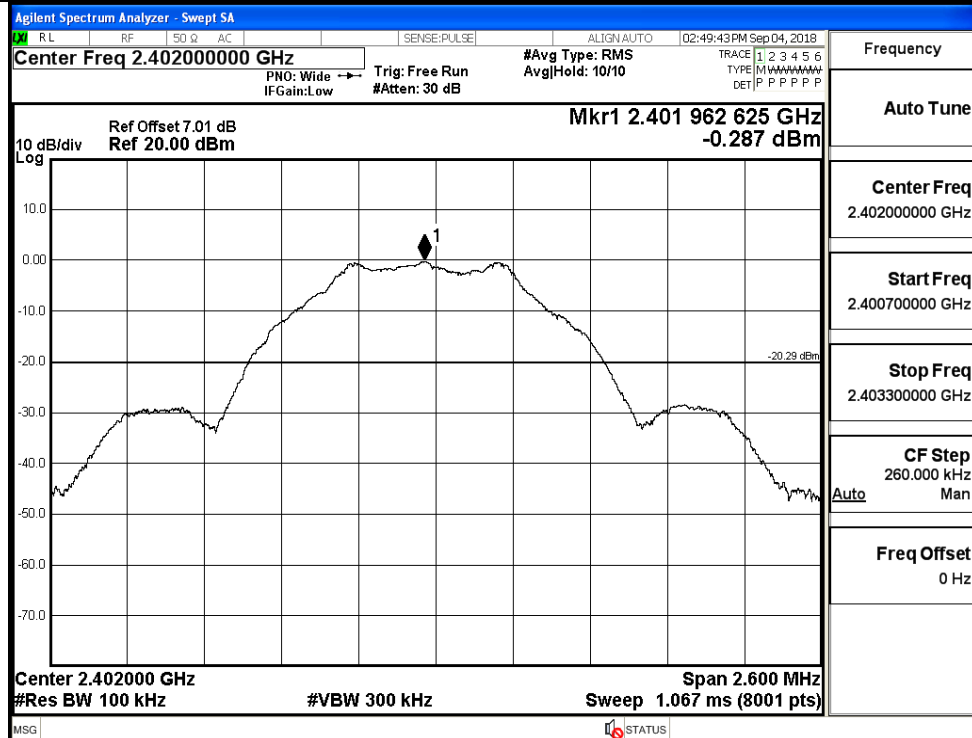


B.5 RF Conducted Spurious Emissions

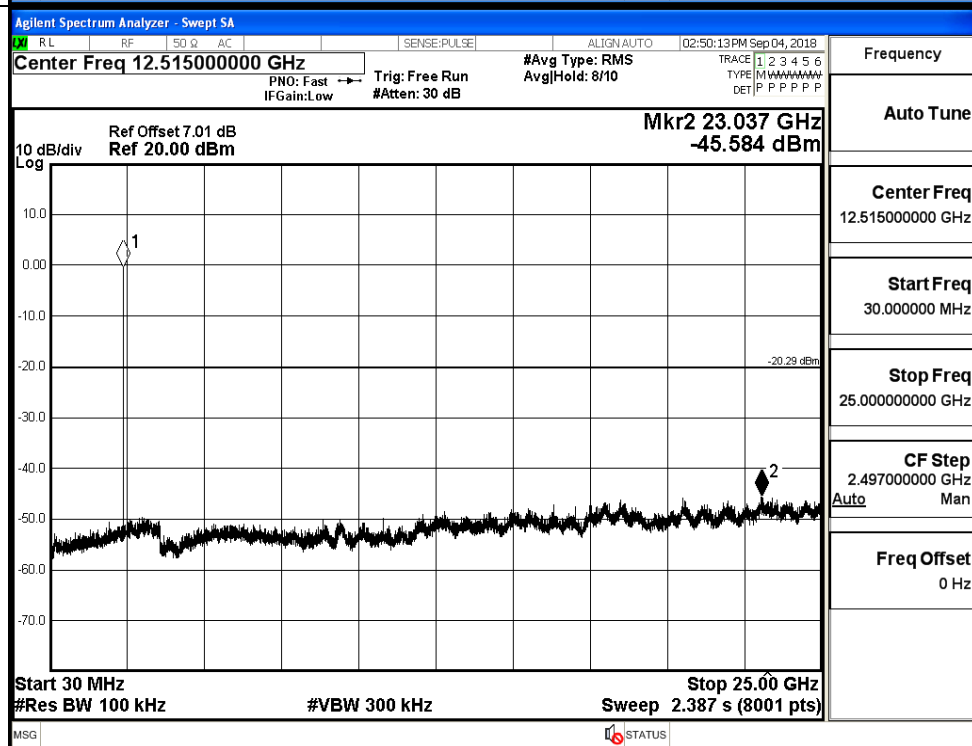
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.287	-45.584	-20.287	PASS
BT LE	MCH	-0.381	-44.986	-20.381	PASS
BT LE	HCH	-0.537	-45.035	-20.537	PASS

BT LE LCH Graphs

Pref/BT LE/LCH

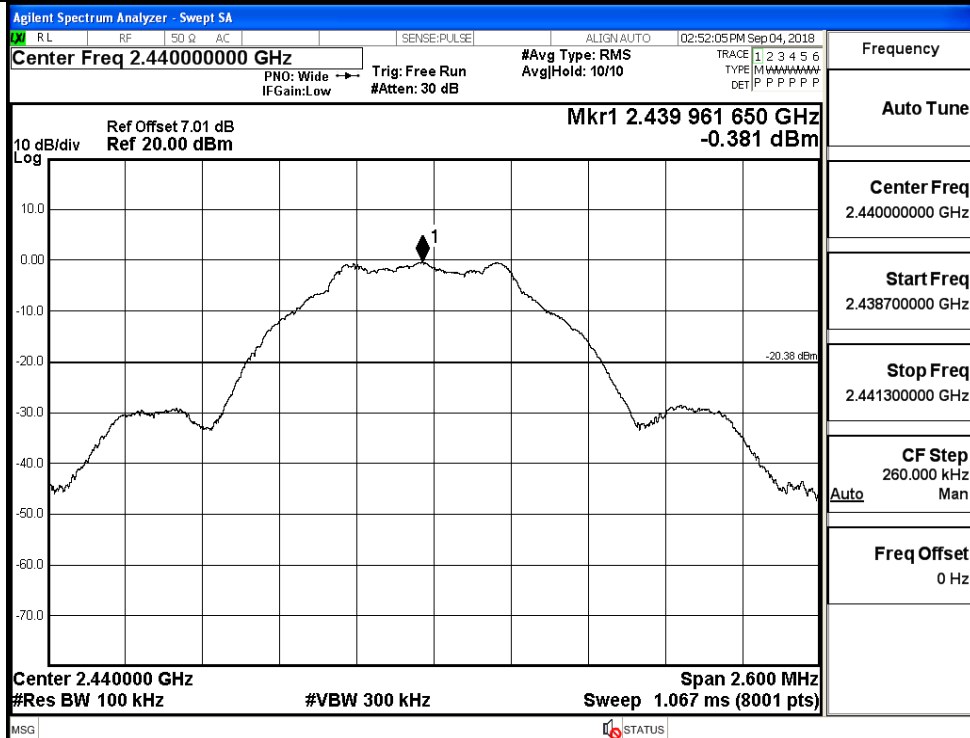


Puw/BT LE/LCH

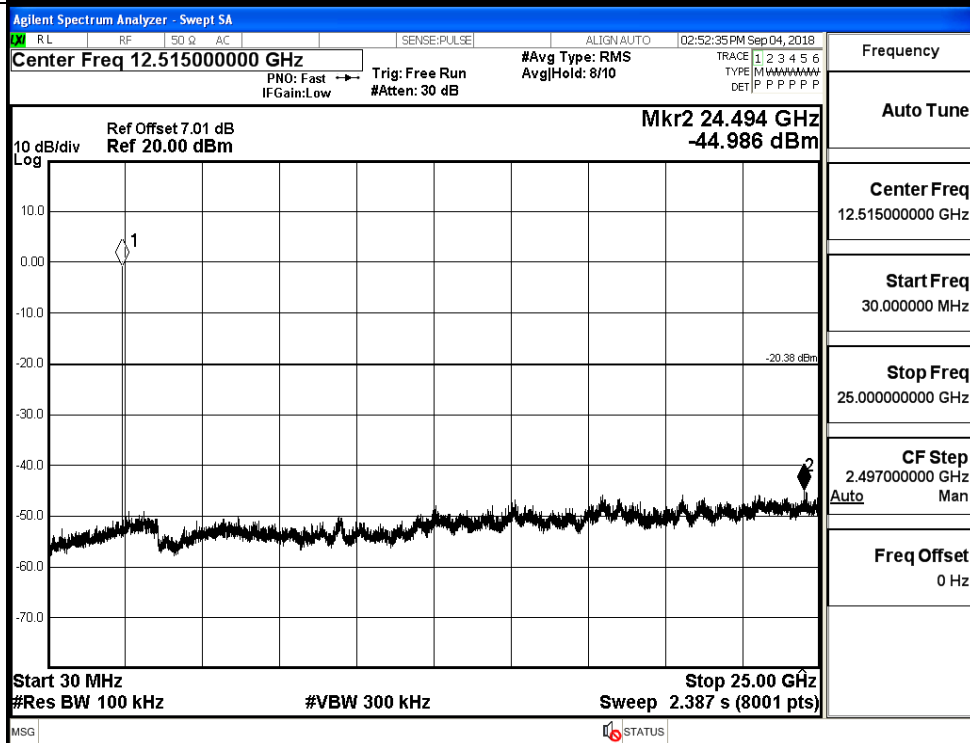


BT LE MCH Graphs

Pref/BT LE/MCH

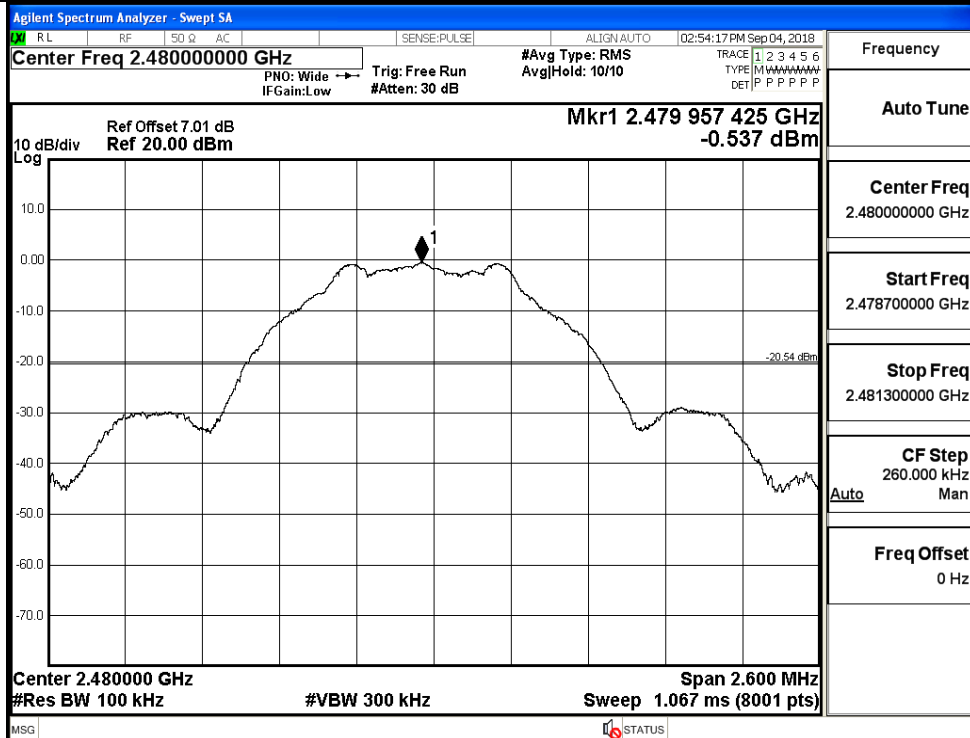


Puw/BT LE/MCH

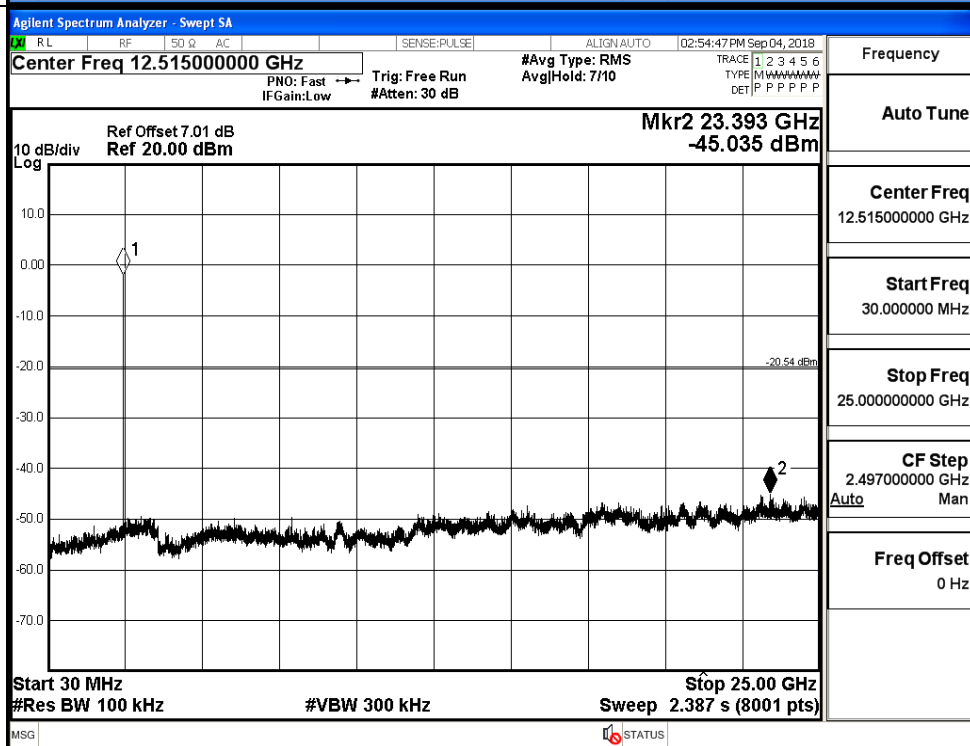


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

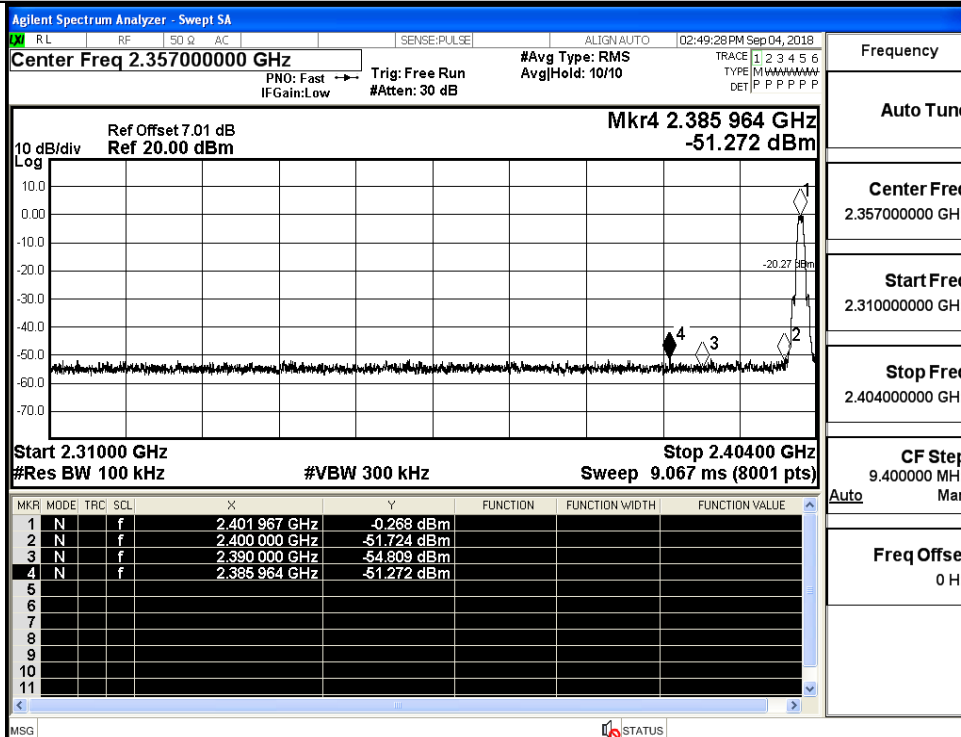


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.268	-51.272	-20.27	PASS
BT LE	HCH	-0.323	-51.001	-20.32	PASS

Test Graphs

LCH

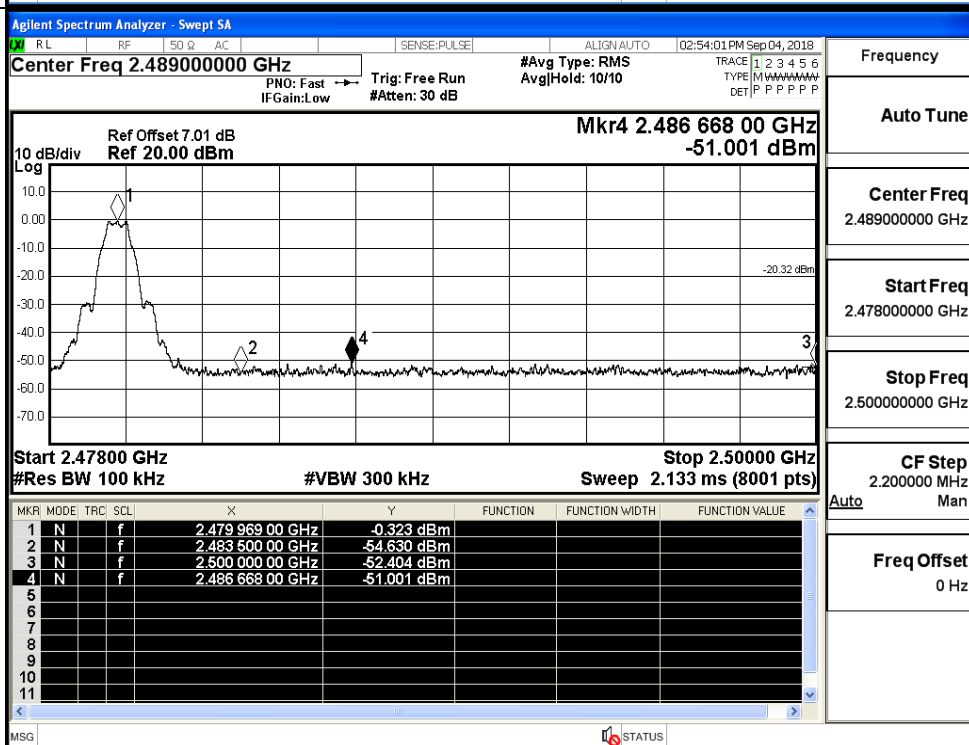


Frequency

Auto Tune

Center Freq
2.357000000 GHzStart Freq
2.310000000 GHzStop Freq
2.404000000 GHzCF Step
9.400000 MHz
Auto ManFreq Offset
0 Hz

HCH



Frequency

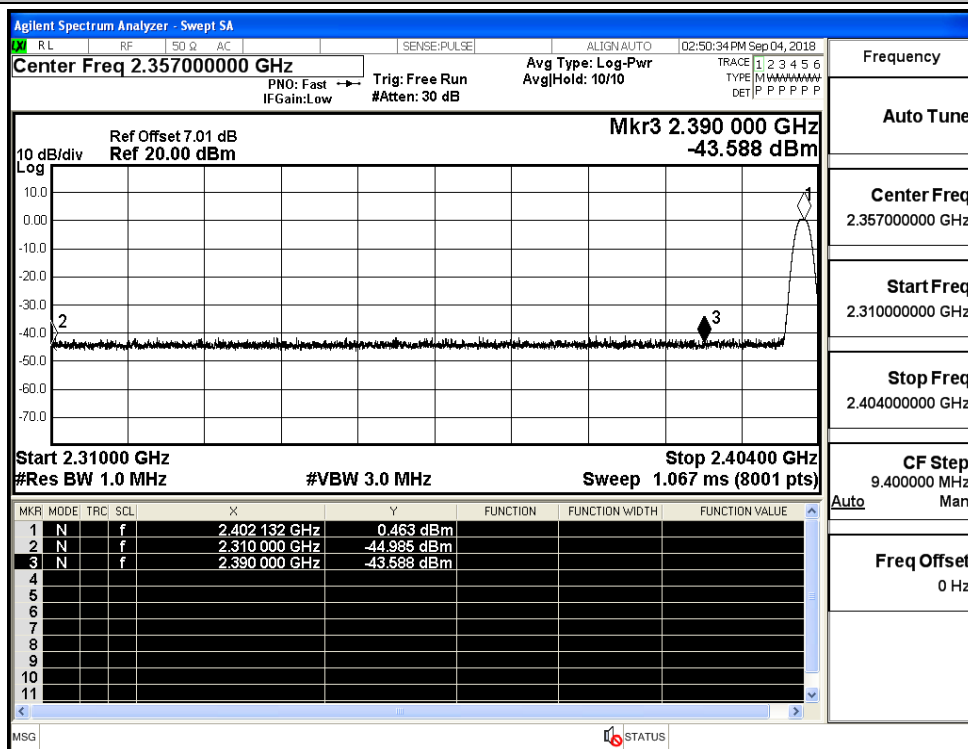
Auto Tune

Center Freq
2.489000000 GHzStart Freq
2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

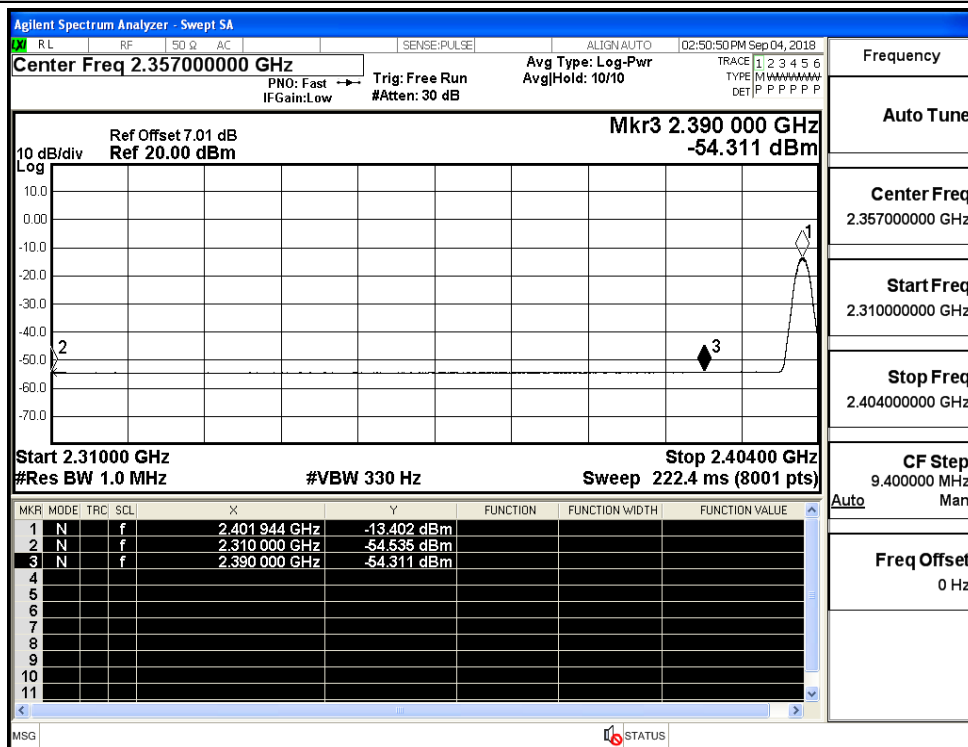
B.7 Restrict-band band-edge measurements

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	-44.99	2.0	0	52.27	PEAK	74	PASS
		Ant1	2310.0	-54.54	2.0	0	42.72	AV	54	PASS
		Ant1	2390.0	-43.59	2.0	0	53.67	PEAK	74	PASS
		Ant1	2390.0	-54.31	2.0	0	42.95	AV	54	PASS
	2480	Ant1	2483.5	-45.28	2.0	0	51.98	PEAK	74	PASS
		Ant1	2483.5	-54.11	2.0	0	43.15	AV	54	PASS
		Ant1	2500.0	-43.51	2.0	0	53.75	PEAK	74	PASS
		Ant1	2500.0	-53.96	2.0	0	43.30	AV	54	PASS

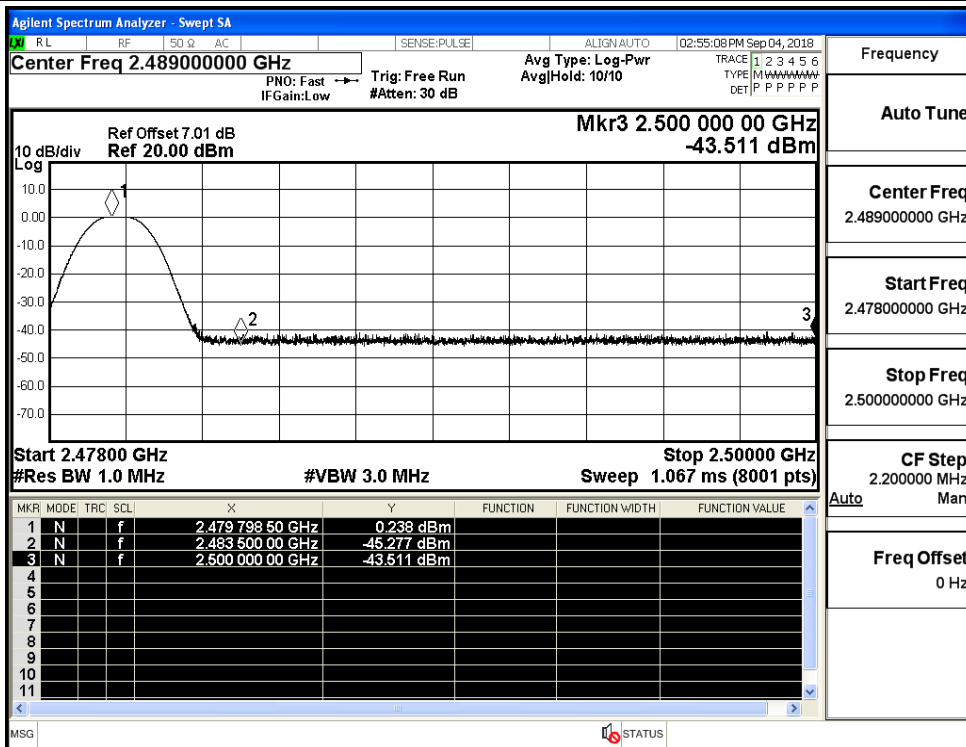
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

