

Appendix B

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

Product Name: Camcorder

Trade Mark: ZECN

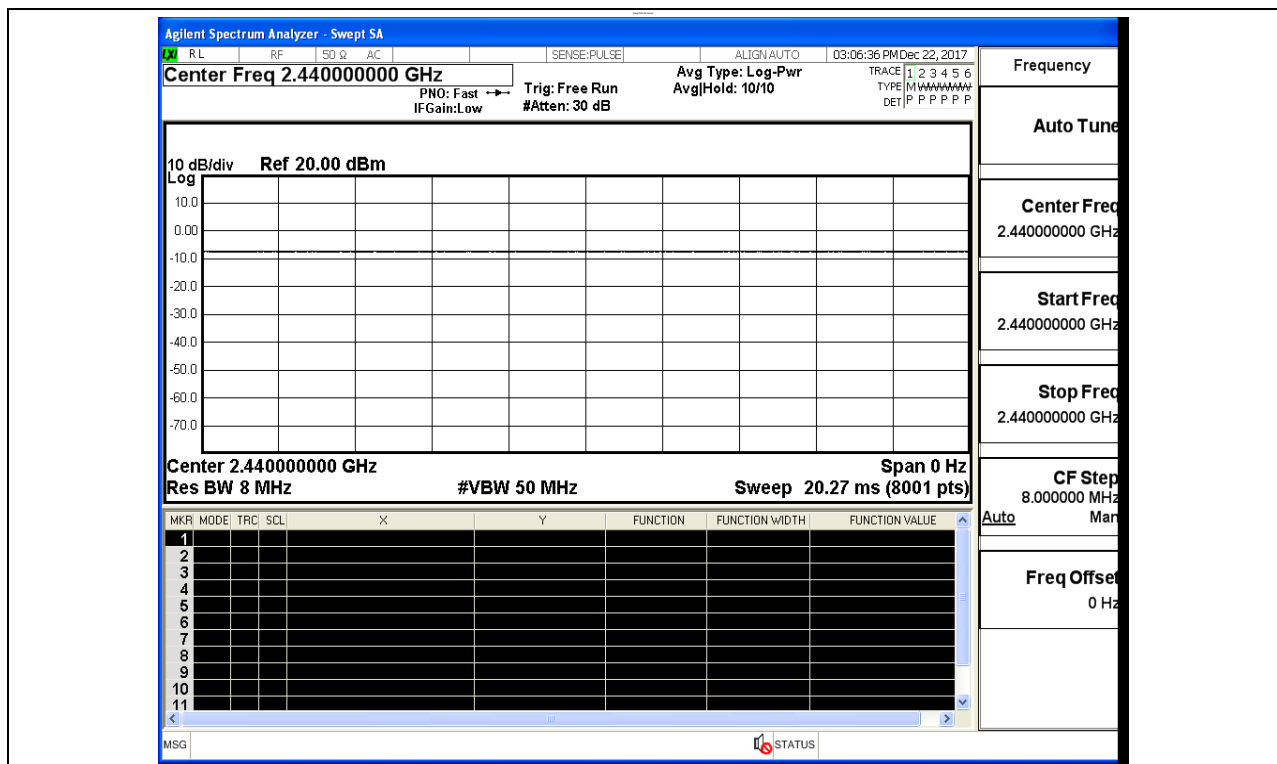
Test Model: DSJ-AI

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Ryan Hu
Supervised by:	Jayden Zhuo

B.1 Duty Cycle

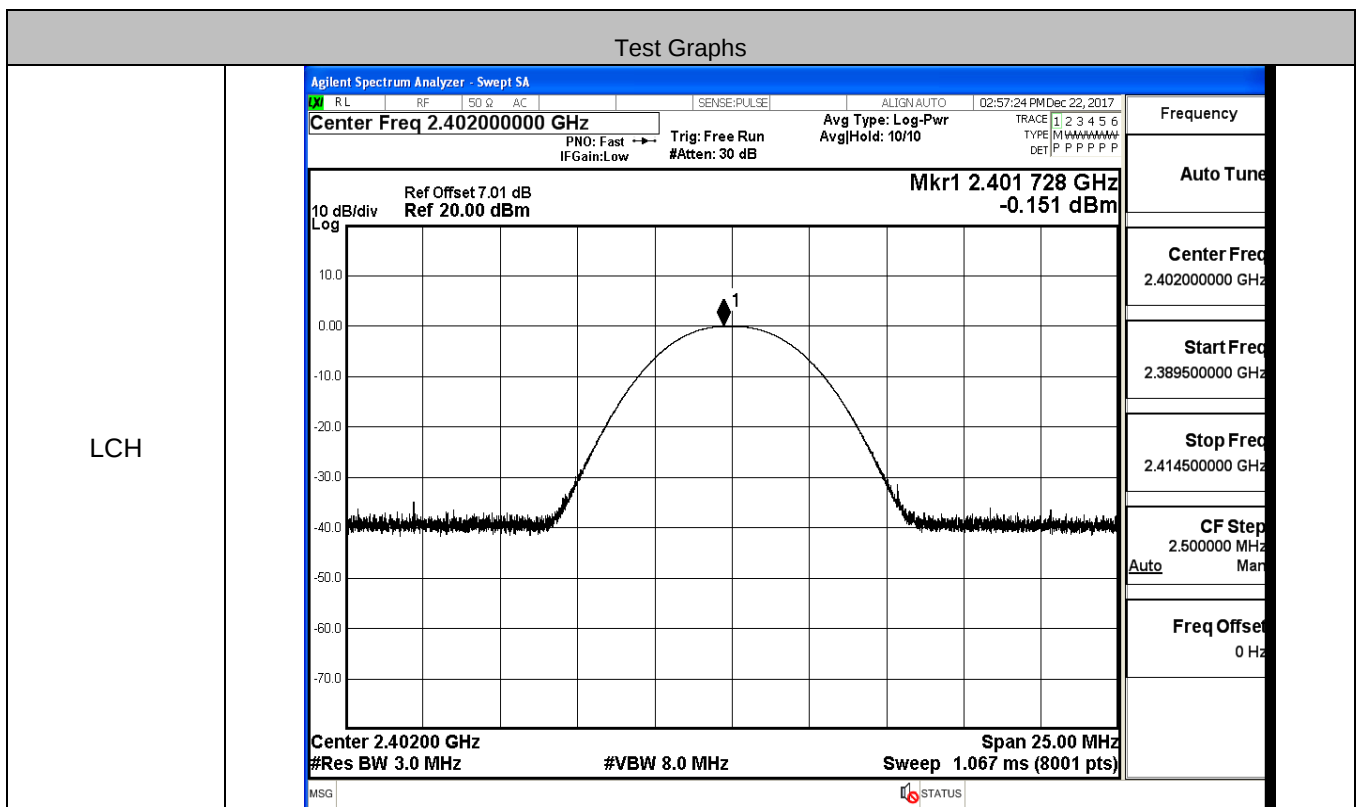
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
BT LE	2440	Ant1	100	PASS



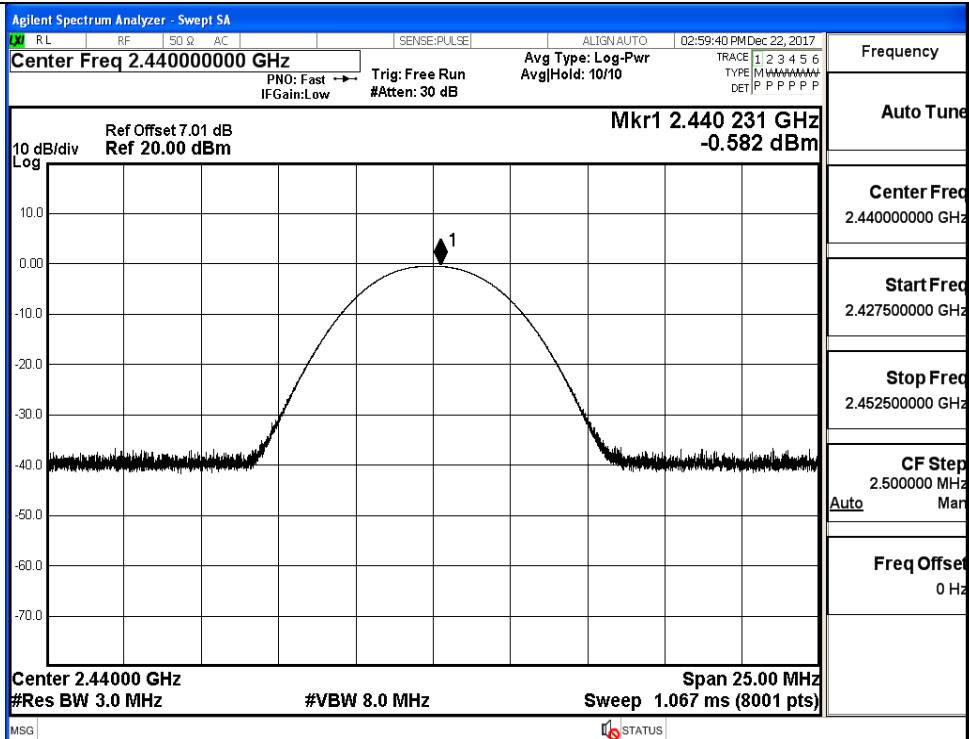
B.2 Maximum Conducted Peak Output Power

Mode	Channel	Conduct Peak Power[dBm]	Conduct Average Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.151	-0.252	30	PASS
BT LE	MCH	-0.582	-0.682	30	PASS
BT LE	HCH	-0.695	-0.755	30	PASS

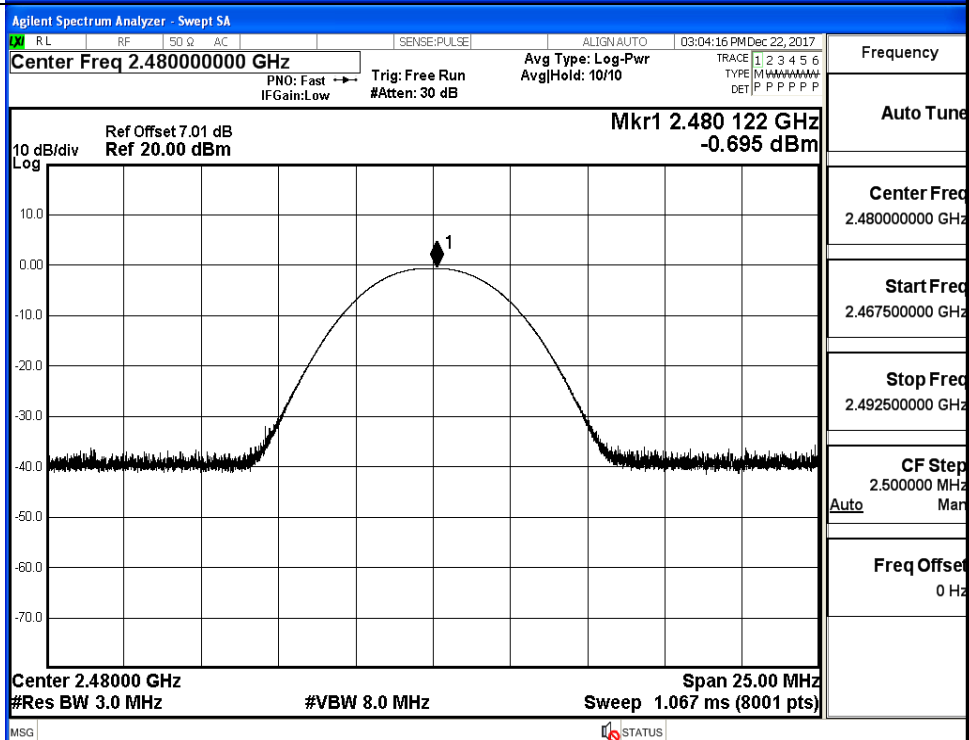
Note: Average power only for report.



MCH



HCH

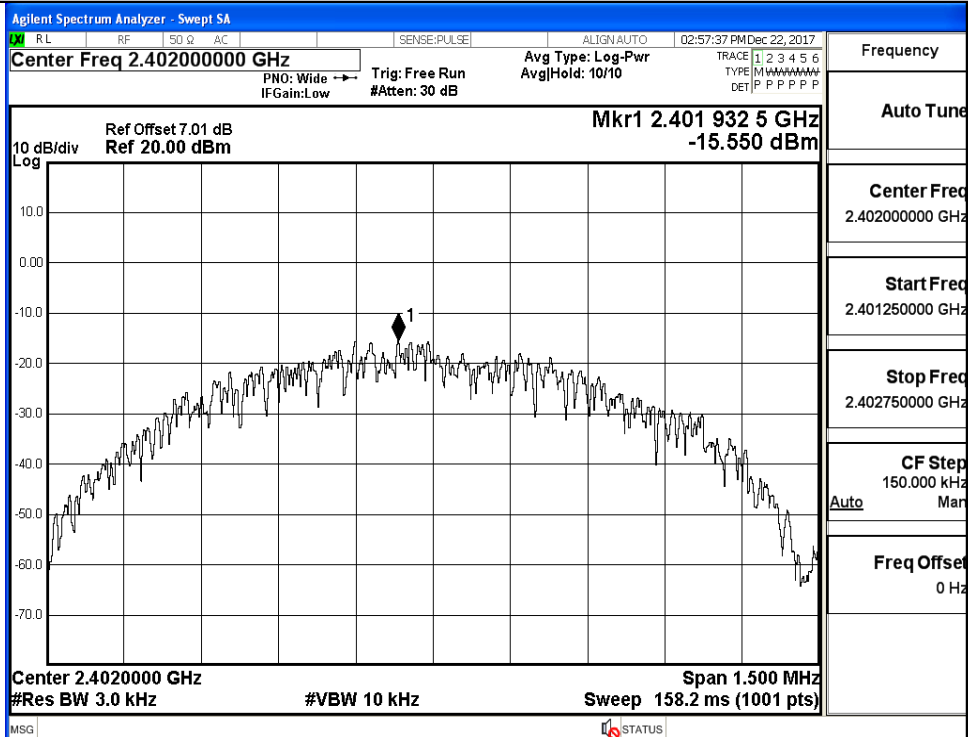


B.3 Maximum Power Spectral Density

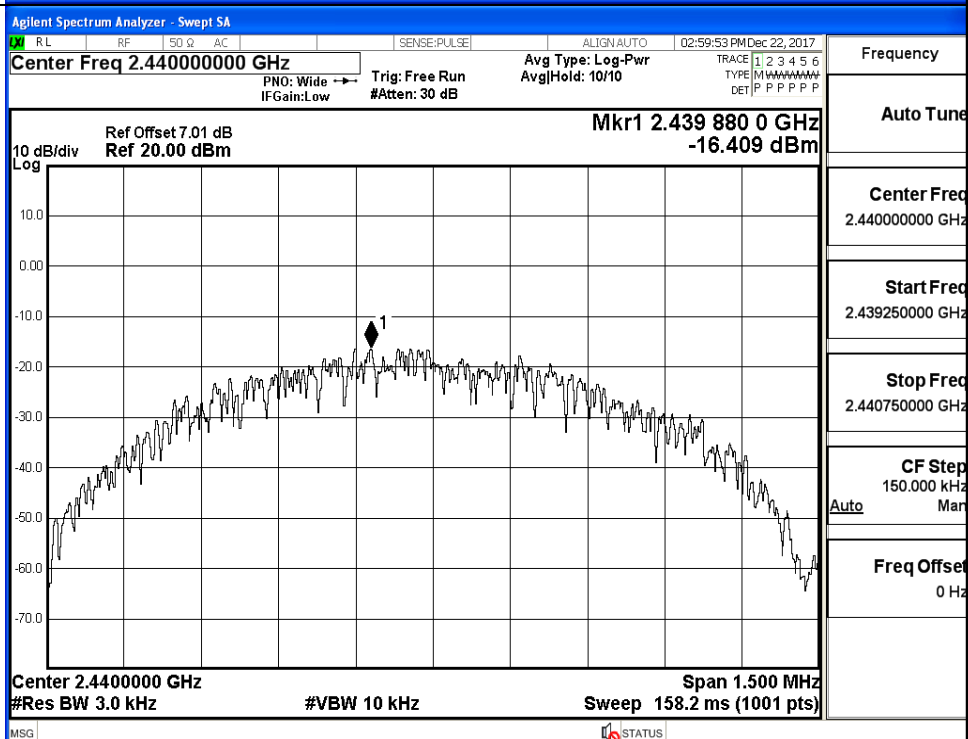
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.550	8	PASS
BT LE	MCH	-16.409	8	PASS
BT LE	HCH	-16.157	8	PASS

Test Graphs

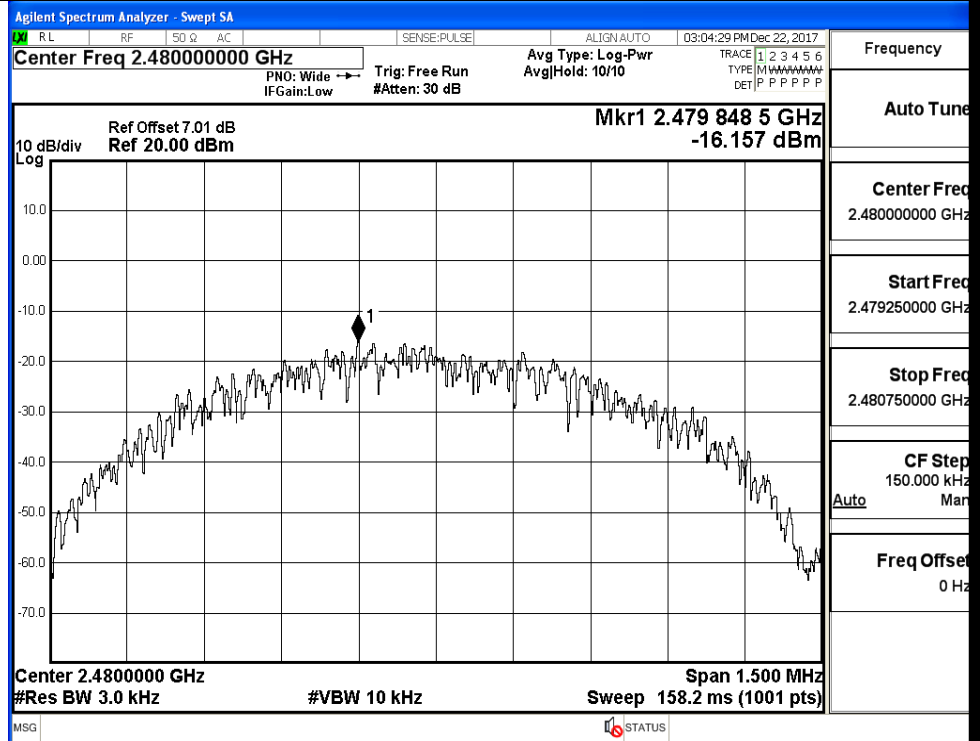
LCH



MCH



HCH

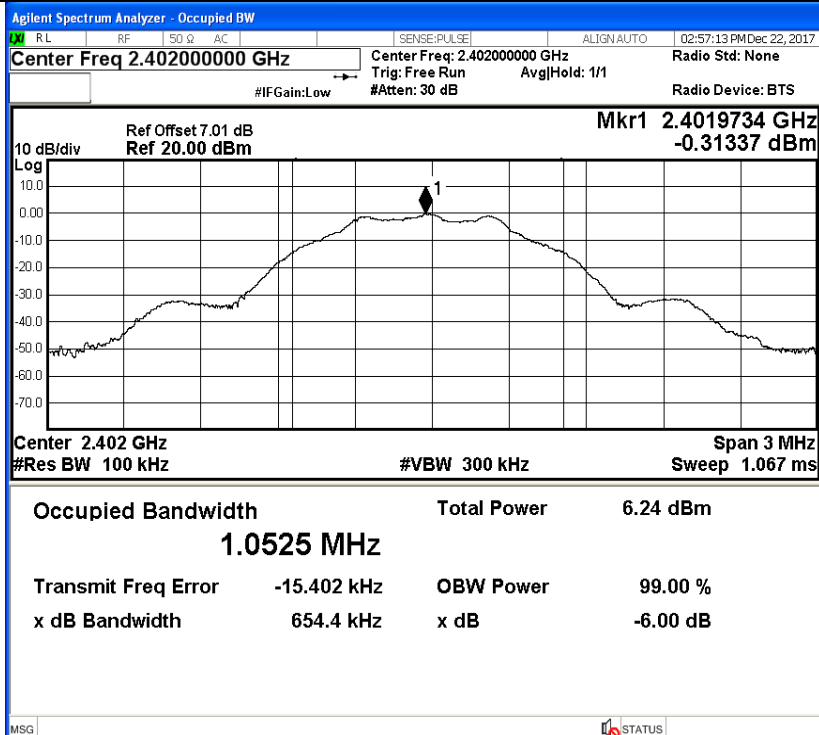


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6544	≥ 0.5	PASS
BT LE	MCH	0.6532	≥ 0.5	PASS
BT LE	HCH	0.6603	≥ 0.5	PASS

Test Graphs

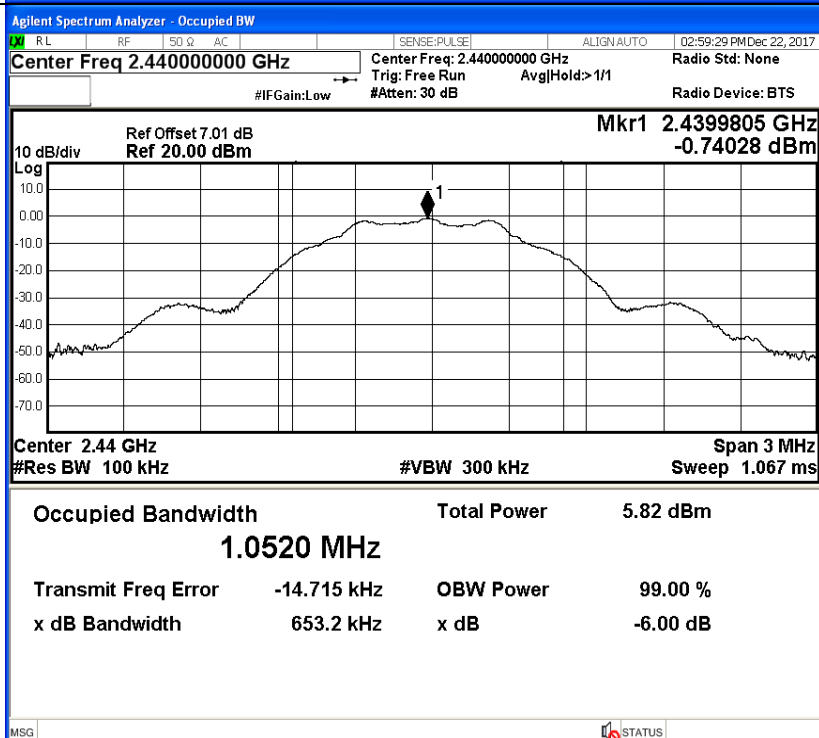
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
300.000 kHz
ManFreq Offset
0 Hz

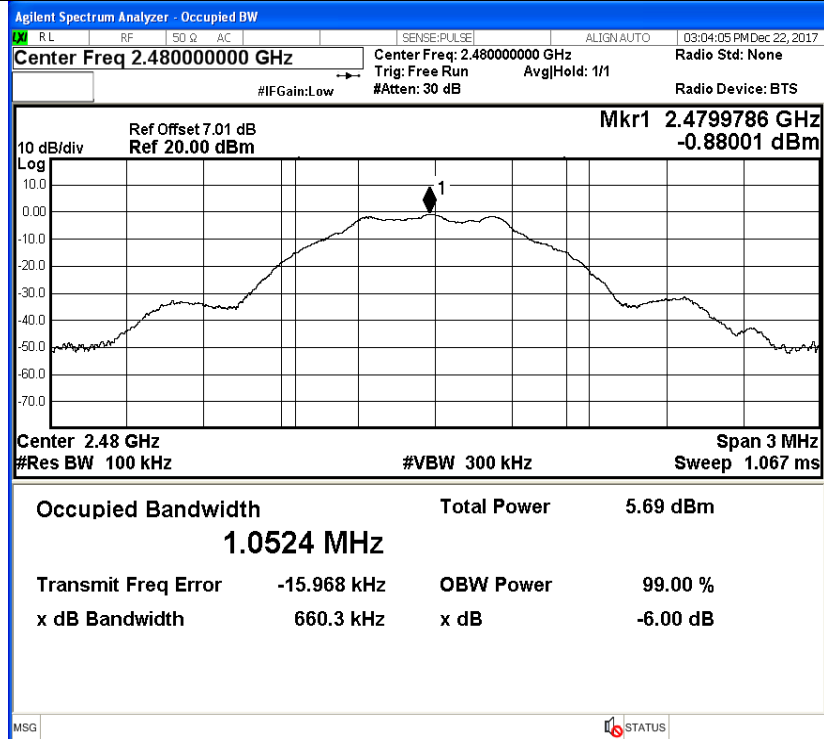
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
300.000 kHz
ManFreq Offset
0 Hz

HCH

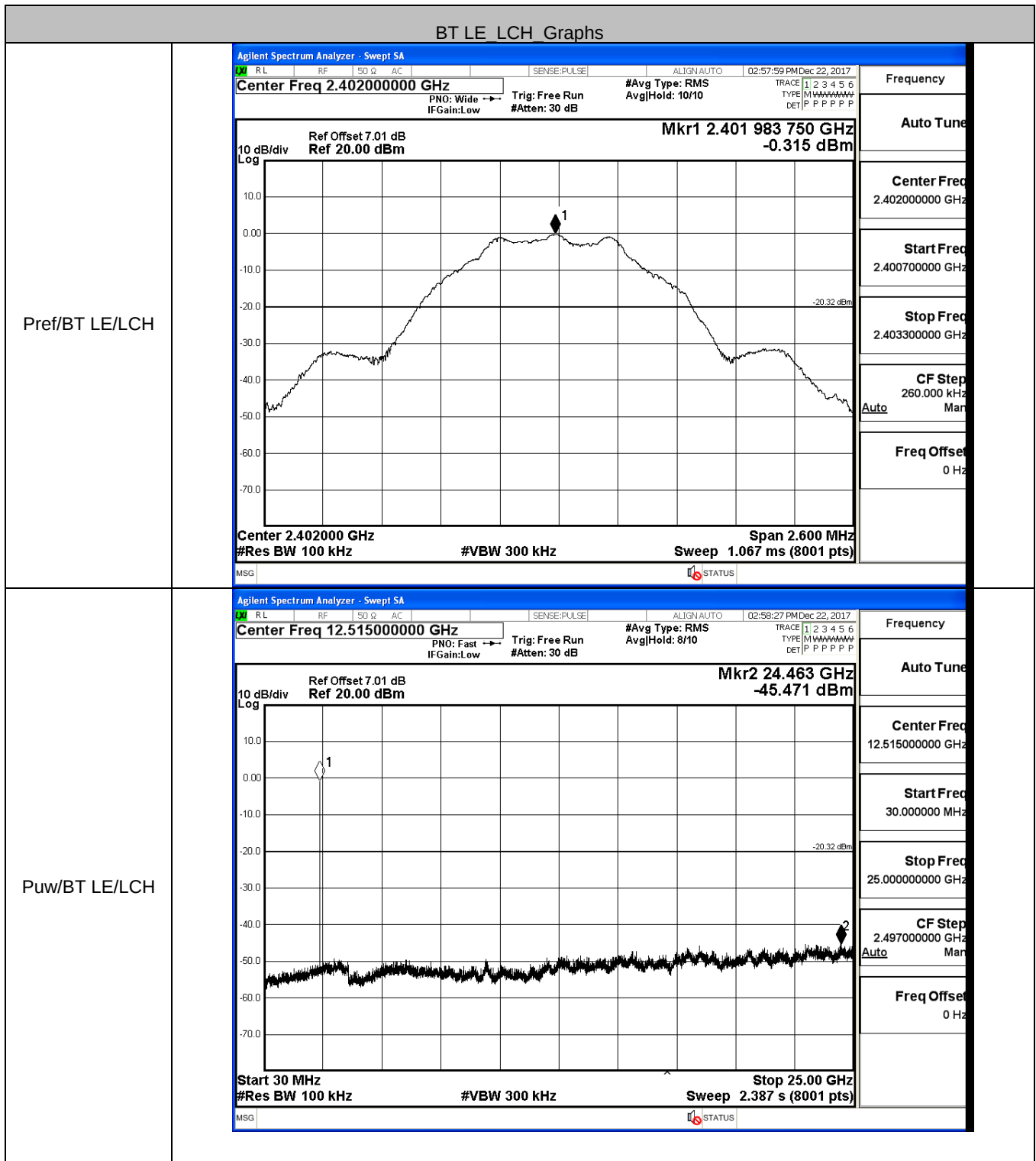


Frequency

Center Freq
2.480000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

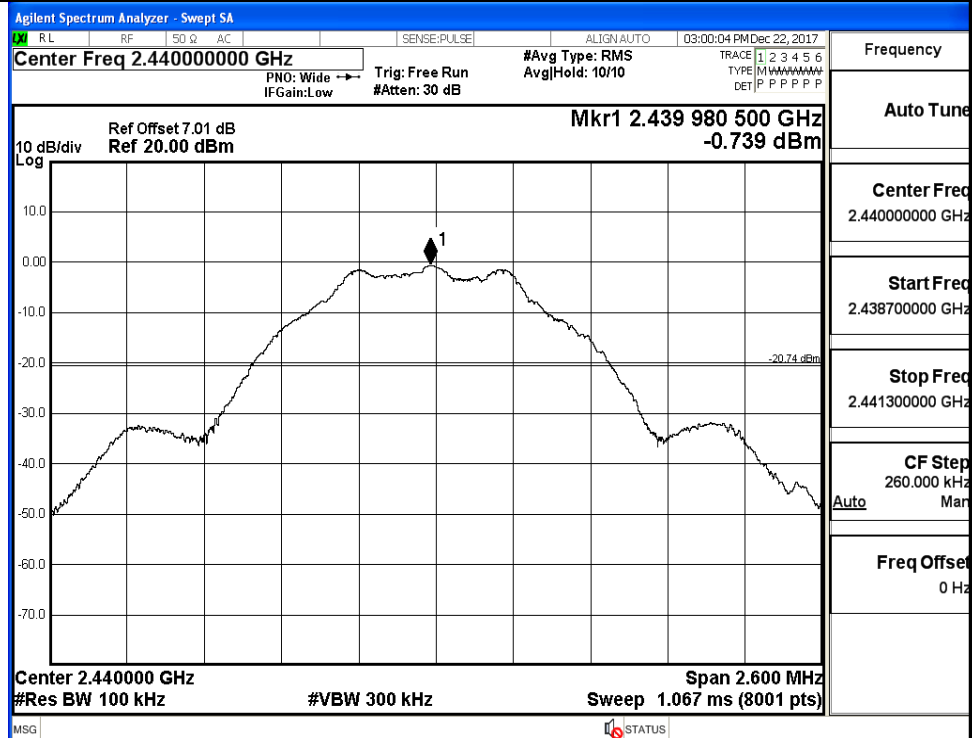
B.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.315	-45.471	-20.315	PASS
BT LE	MCH	-0.739	-44.842	-20.739	PASS
BT LE	HCH	-0.891	-44.360	-20.891	PASS

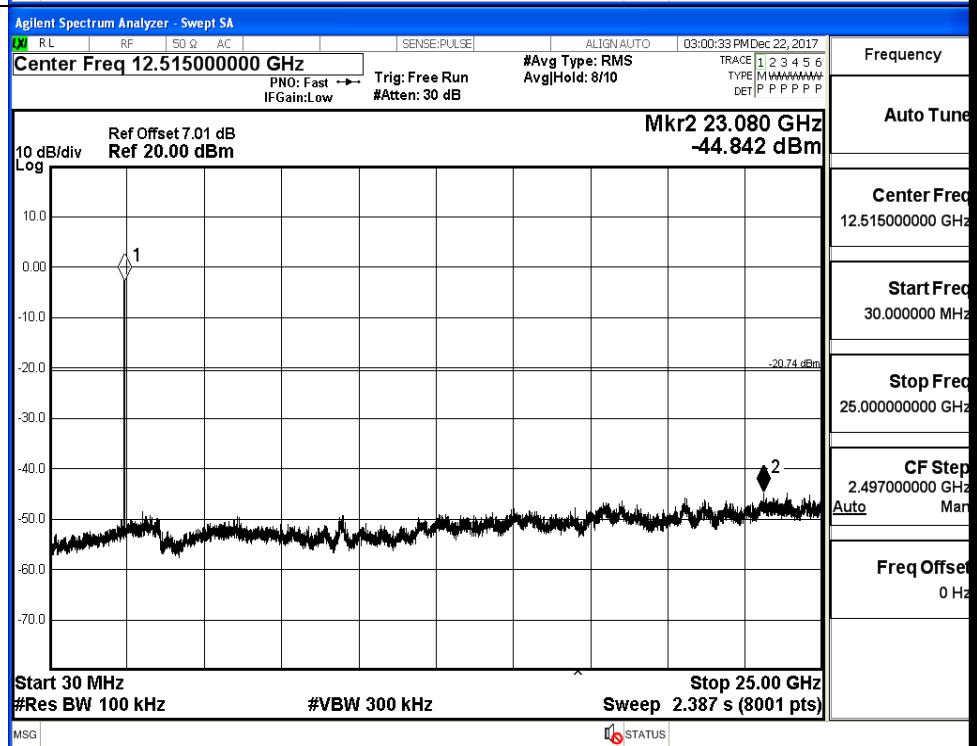


BT LE MCH Graphs

Pref/BT LE/MCH

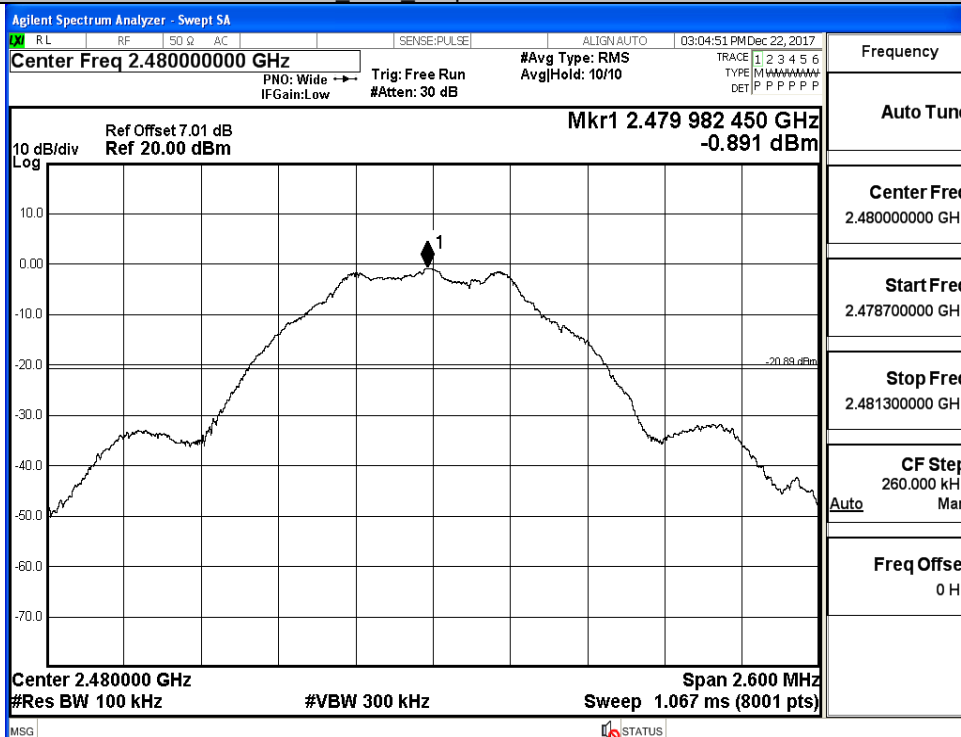


Puw/BT LE/MCH

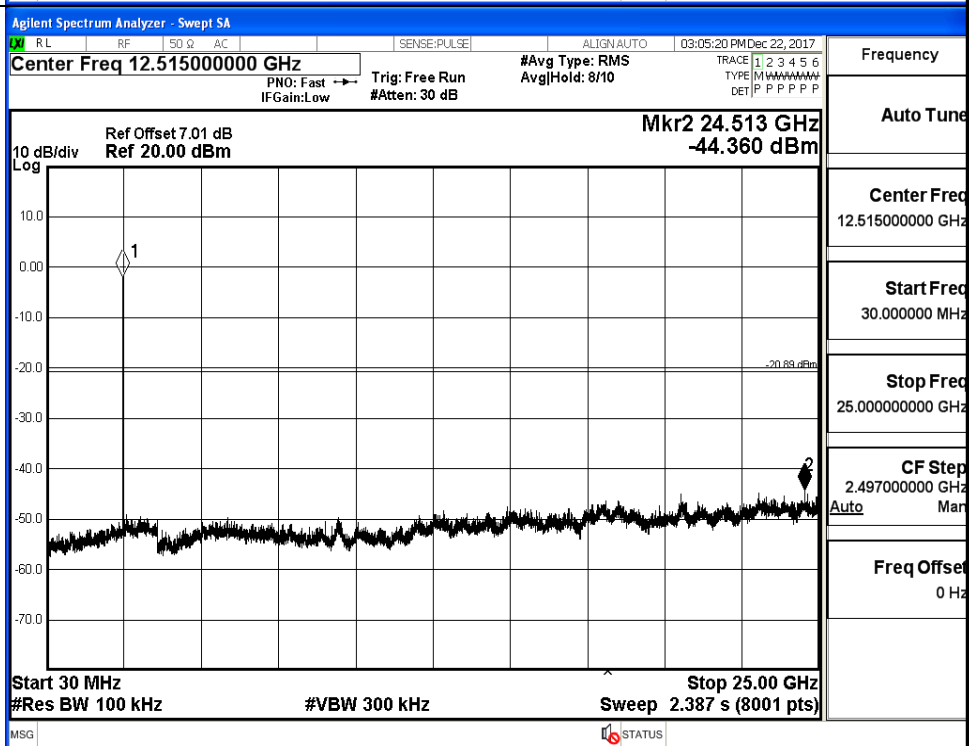


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

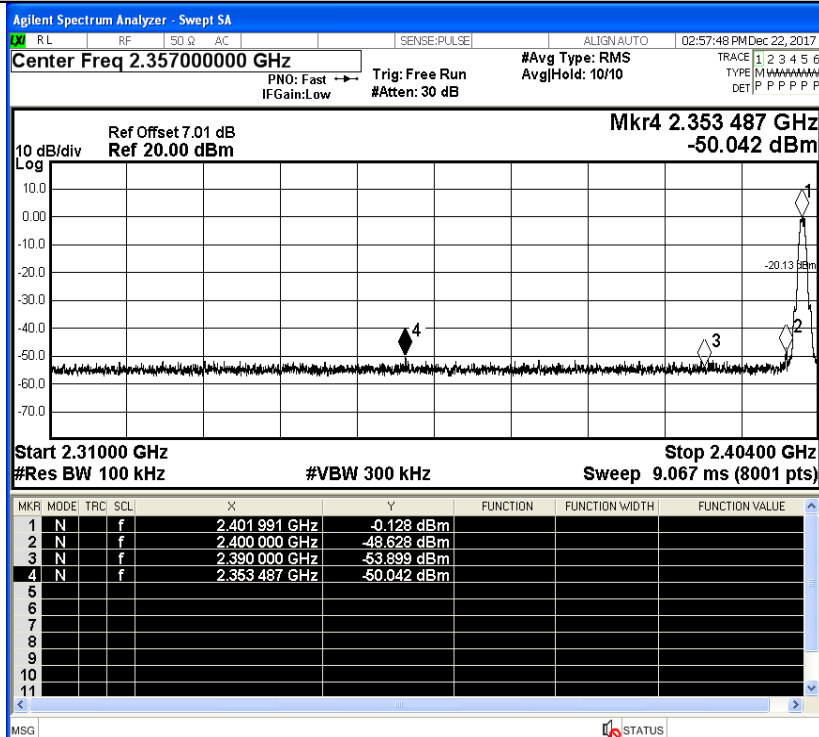


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.128	-50.042	-20.13	PASS
BT LE	HCH	-0.776	-42.292	-20.78	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

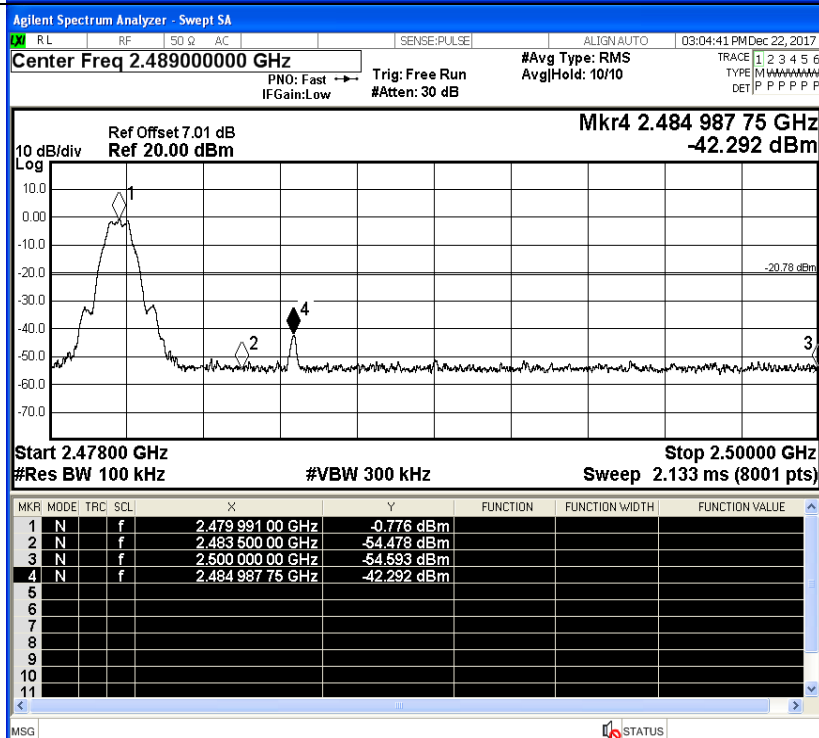
9.400000 MHz

Auto

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

Auto

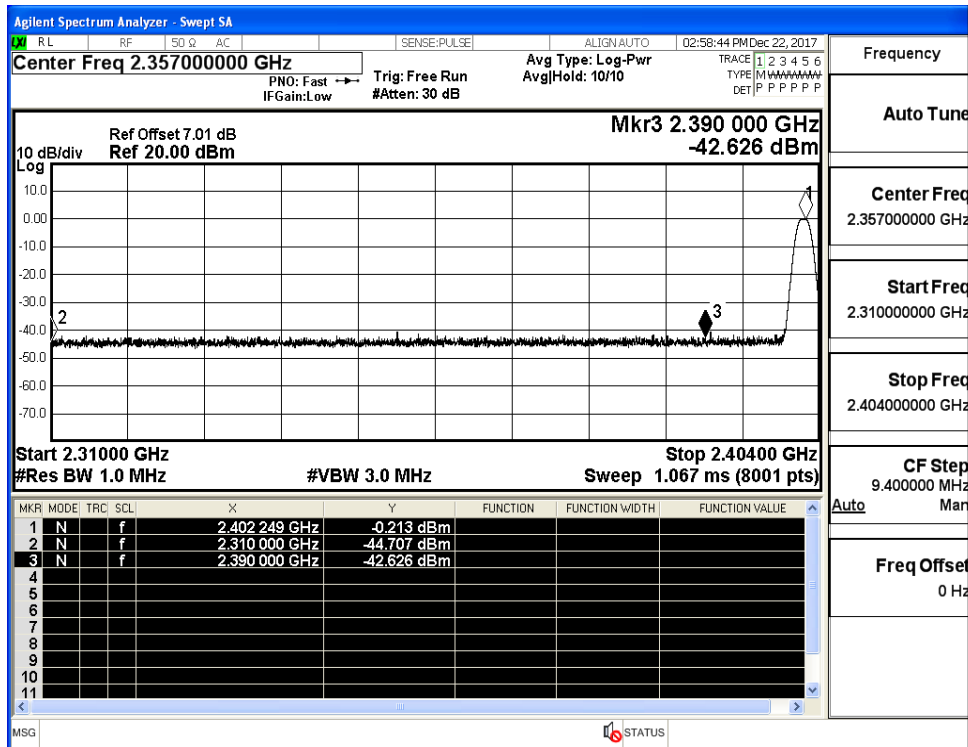
Freq Offset

0 Hz

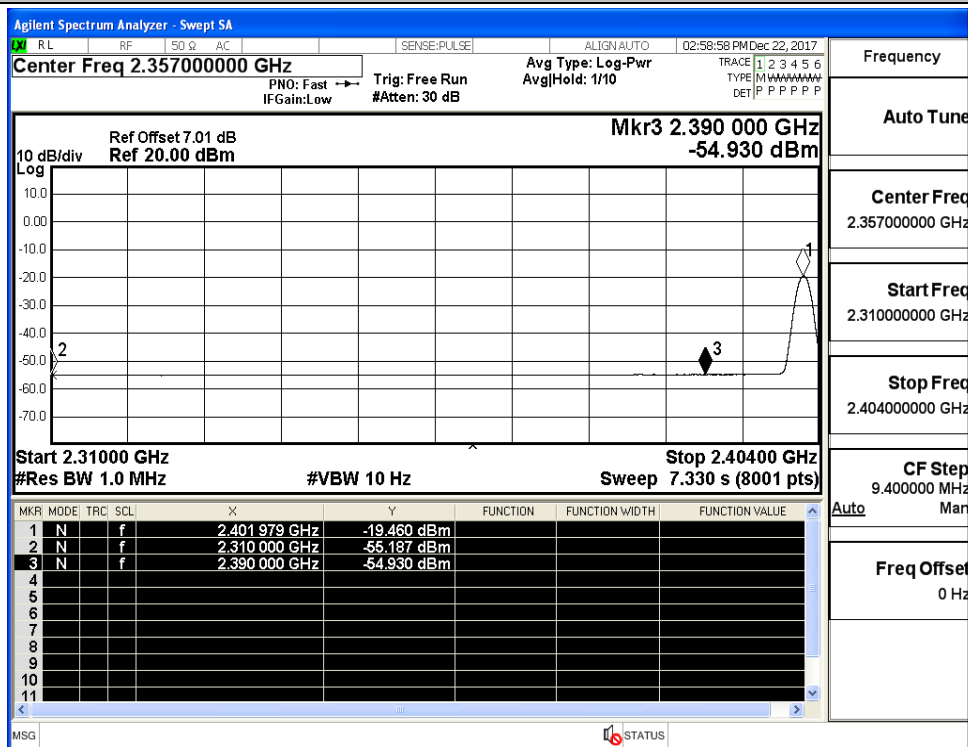
B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BT LE	2402	Ant1	2310.0	-44.71	2.0	0	52.55	PEAK	74	PASS
		Ant1	2310.0	-55.19	2.0	0	42.07	AV	54	PASS
		Ant1	2390.0	-42.63	2.0	0	54.63	PEAK	74	PASS
		Ant1	2390.0	-54.93	2.0	0	42.33	AV	54	PASS
	2480	Ant1	2483.5	-43.89	2.0	0	53.37	PEAK	74	PASS
		Ant1	2483.5	-54.55	2.0	0	42.71	AV	54	PASS
		Ant1	2500.0	-44.21	2.0	0	53.05	PEAK	74	PASS
		Ant1	2500.0	-54.53	2.0	0	42.73	AV	54	PASS

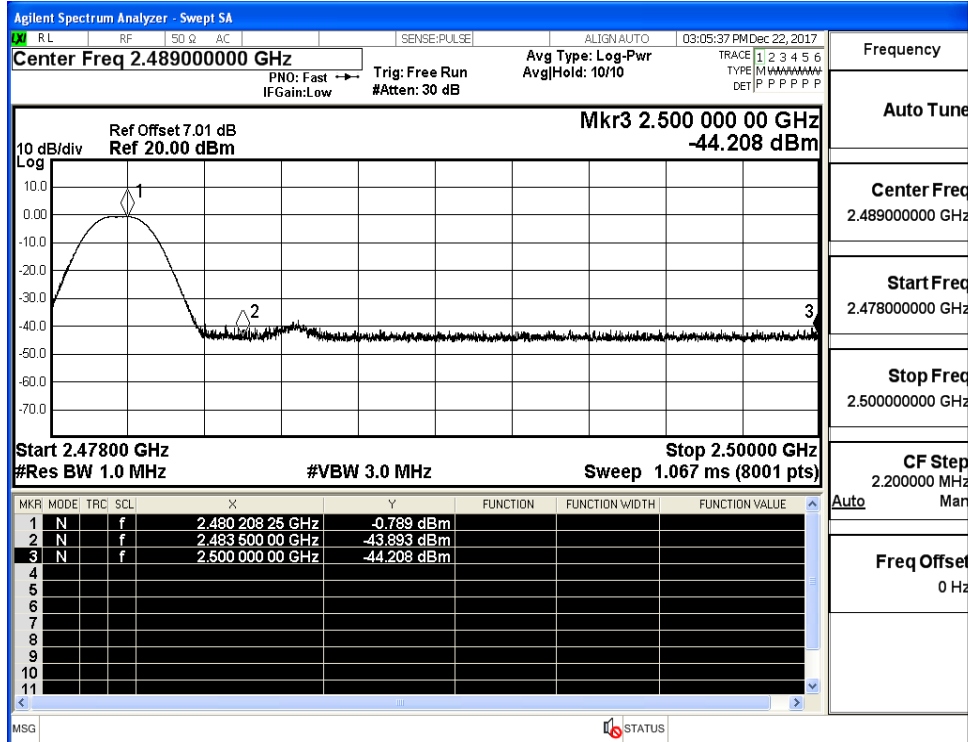
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

