

Appendix B

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: Huohuotu wifi digital player early educational machine

Trade Mark: alilo

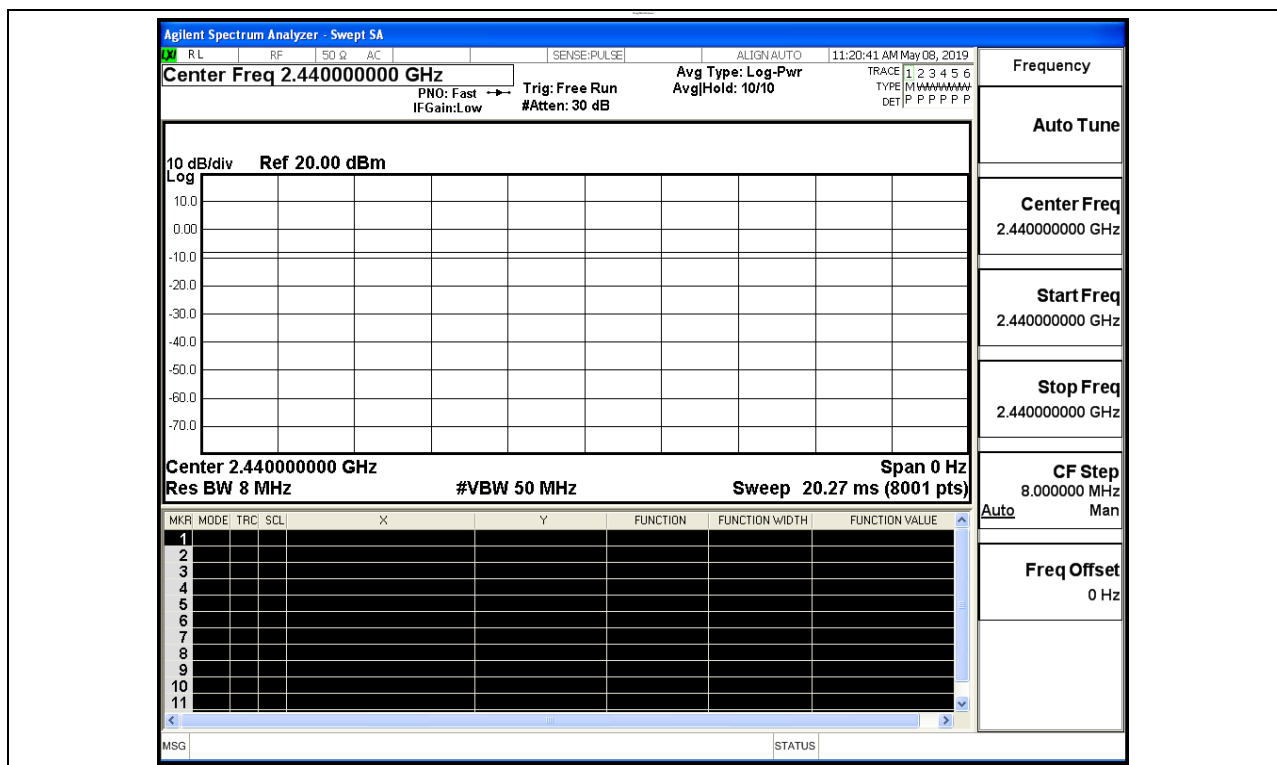
Test Model: G6S

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Scent Hu
Supervised by:	Tom.Liu

B.1 Duty Cycle

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

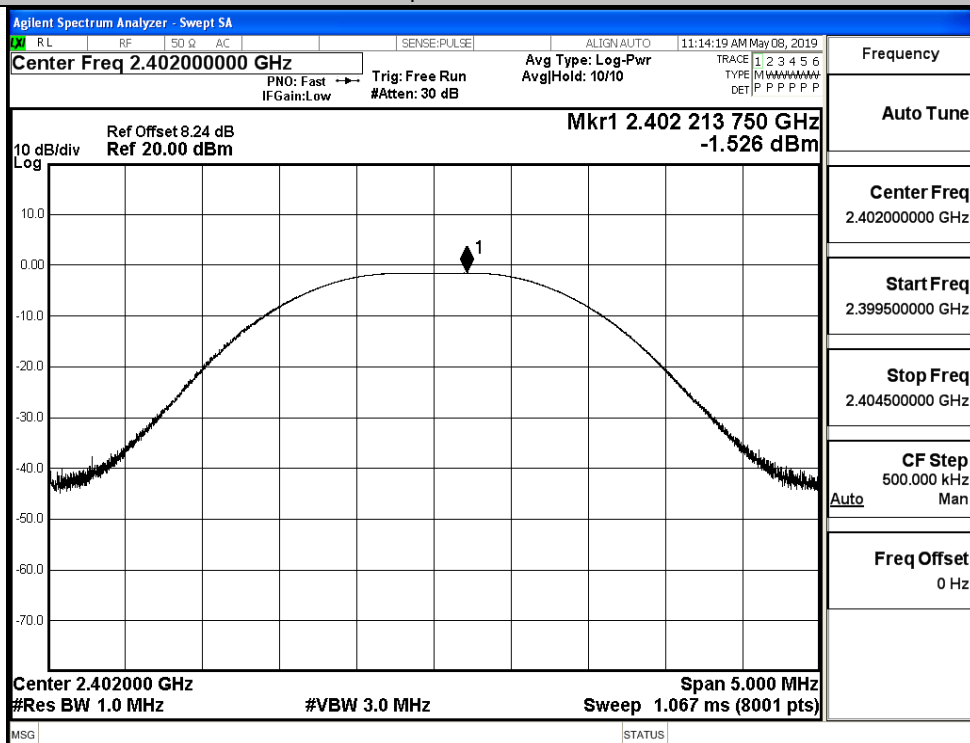


B.2 Maximum Conducted Peak Output Power

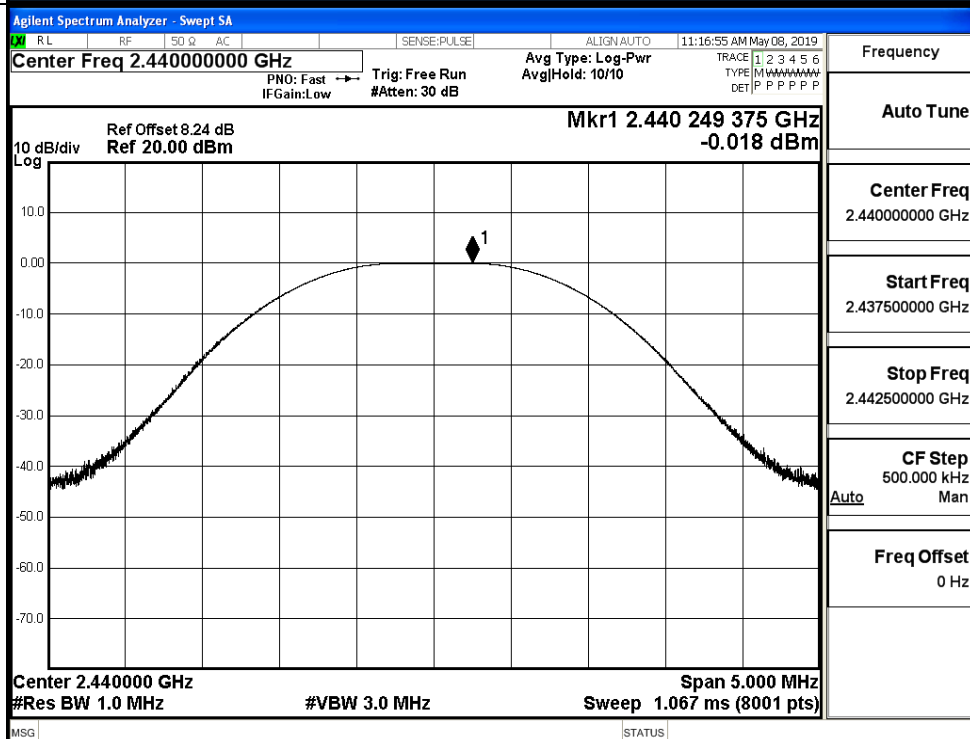
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-1.526	30	PASS
BT LE	MCH	-0.018	30	PASS
BT LE	HCH	-0.222	30	PASS

Test Graphs

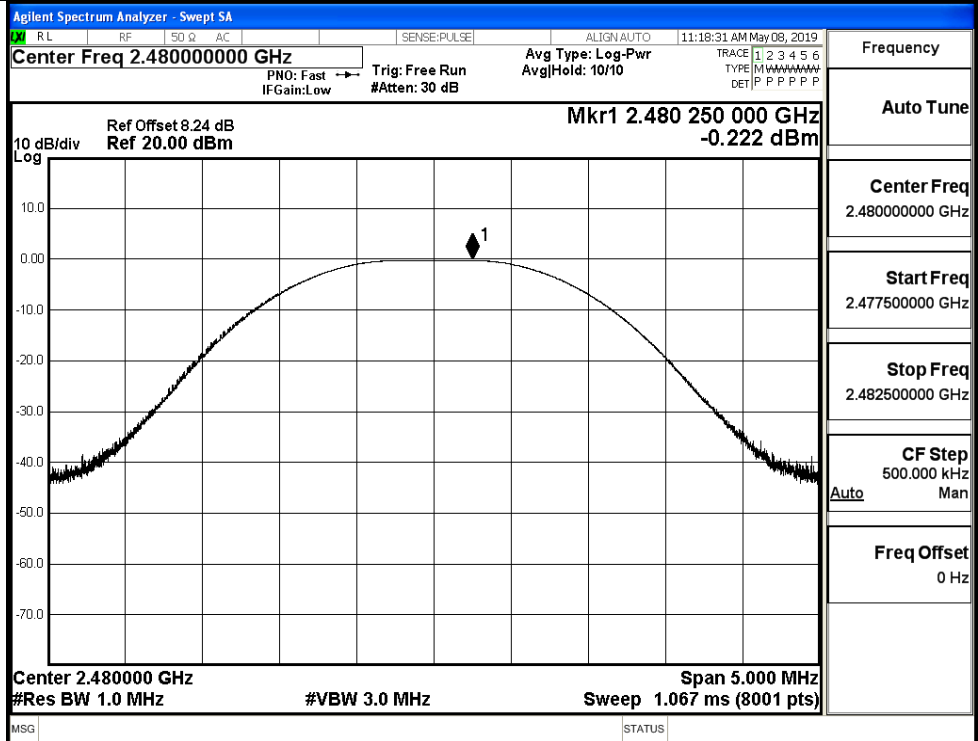
LCH



MCH



HCH

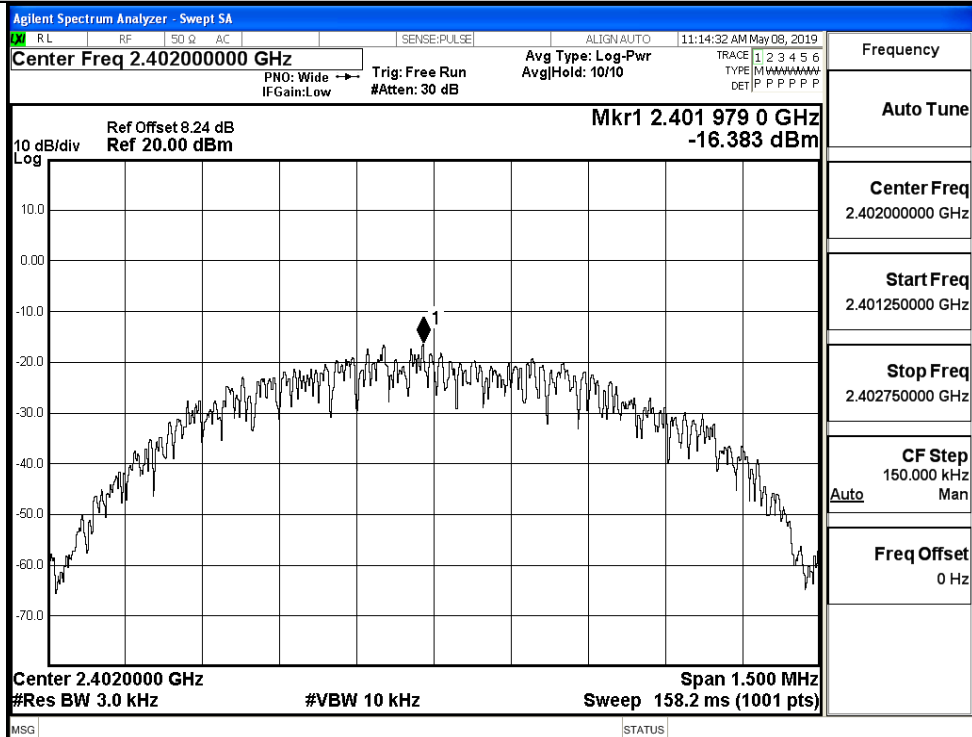


B.3 Maximum Power Spectral Density

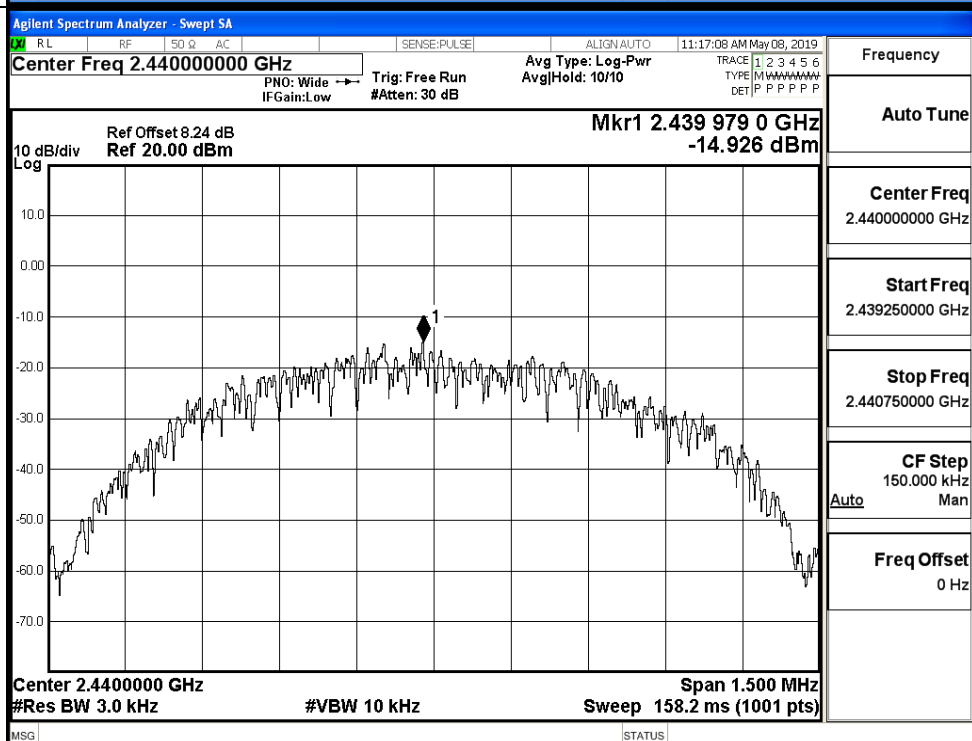
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-16.383	8	PASS
BT LE	MCH	-14.926	8	PASS
BT LE	HCH	-15.072	8	PASS

Test Graphs

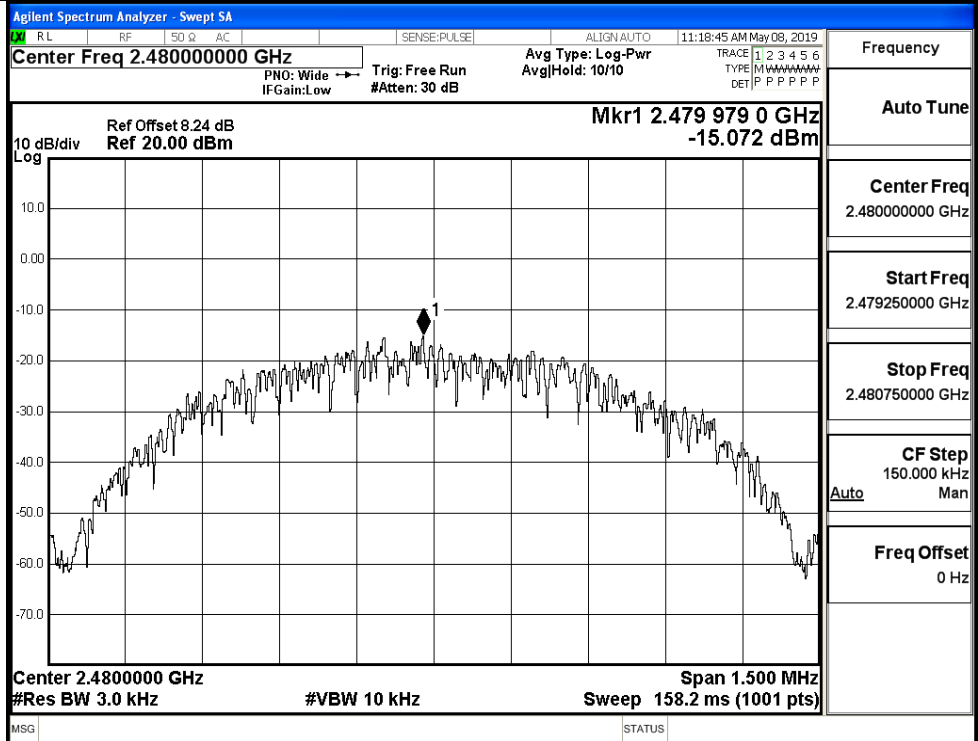
LCH



MCH



HCH

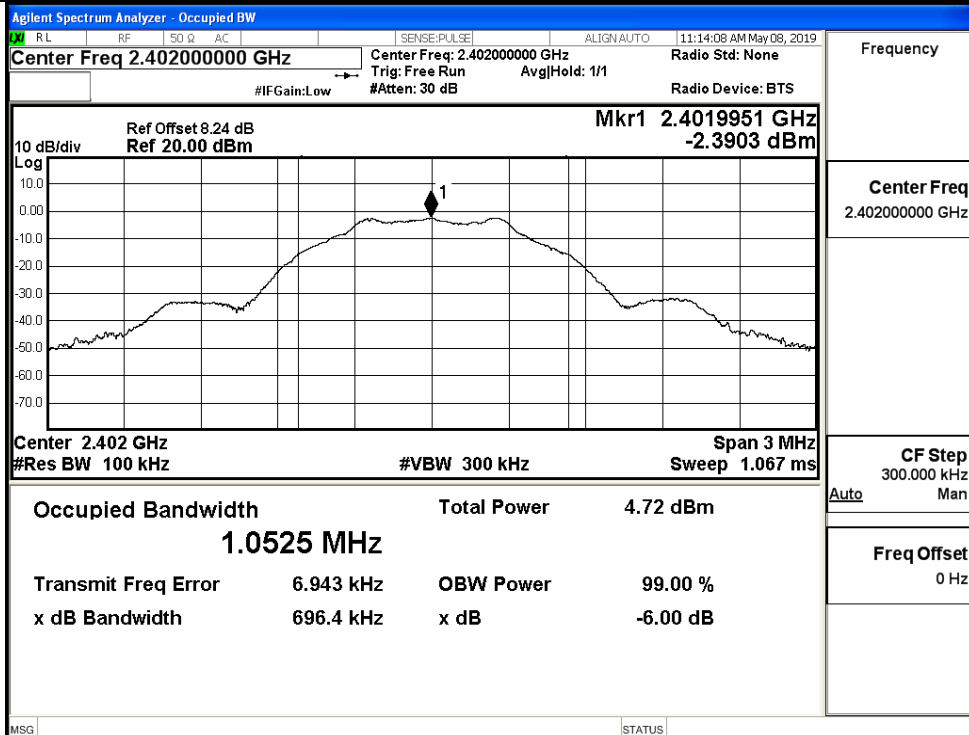


B.4 6dB Bandwidth

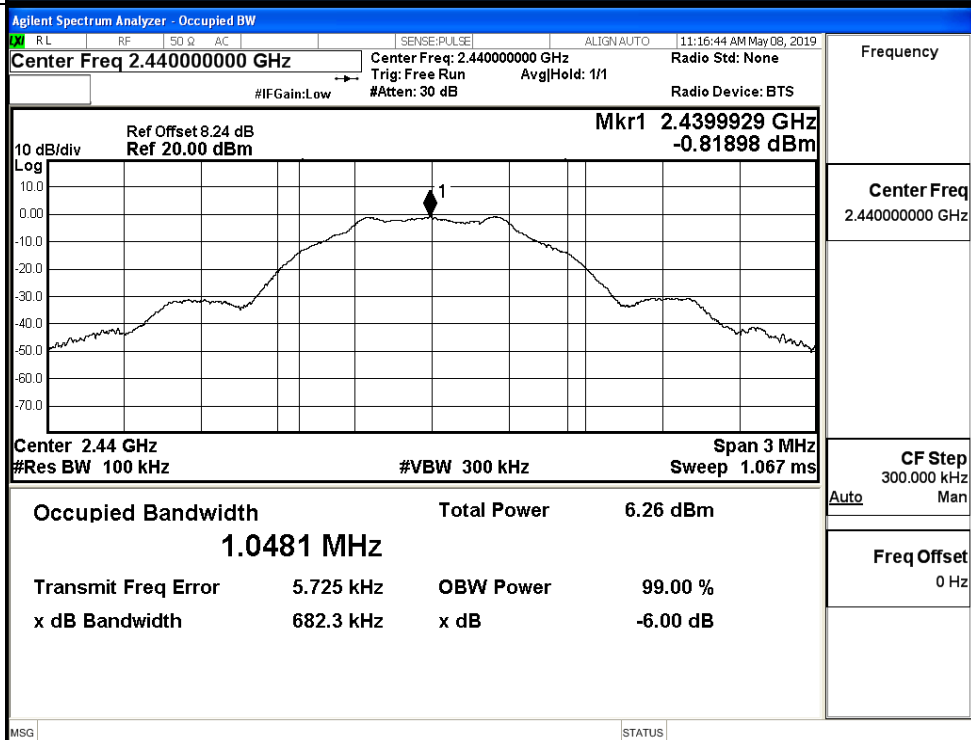
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6964	≥ 0.5	PASS
BT LE	MCH	0.6823	≥ 0.5	PASS
BT LE	HCH	0.6892	≥ 0.5	PASS

Test Graphs

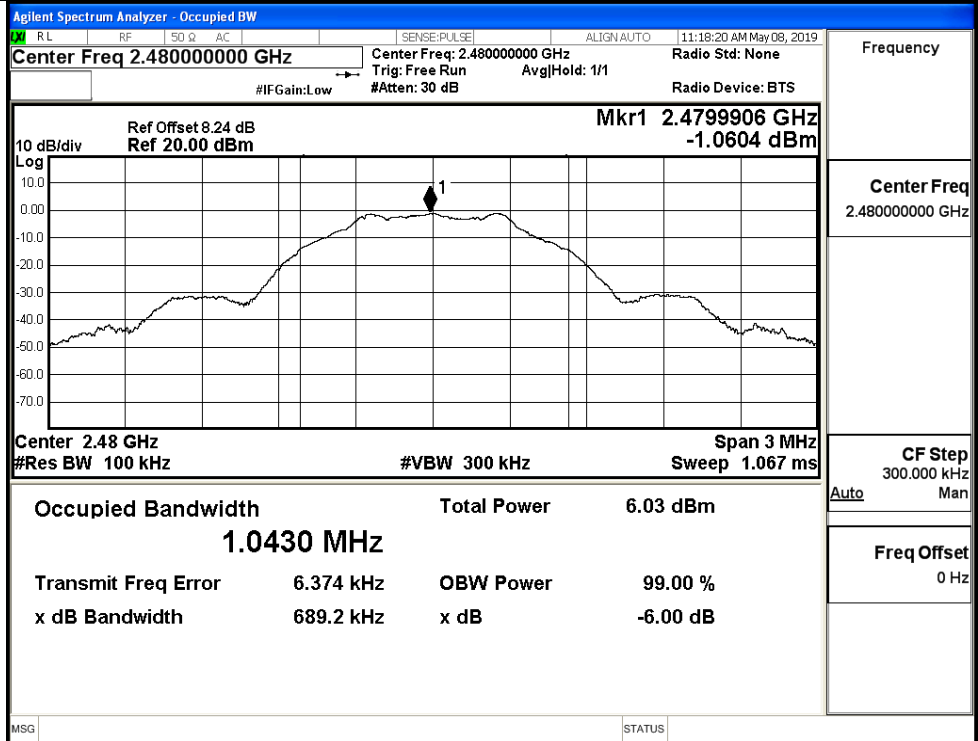
LCH



MCH



HCH

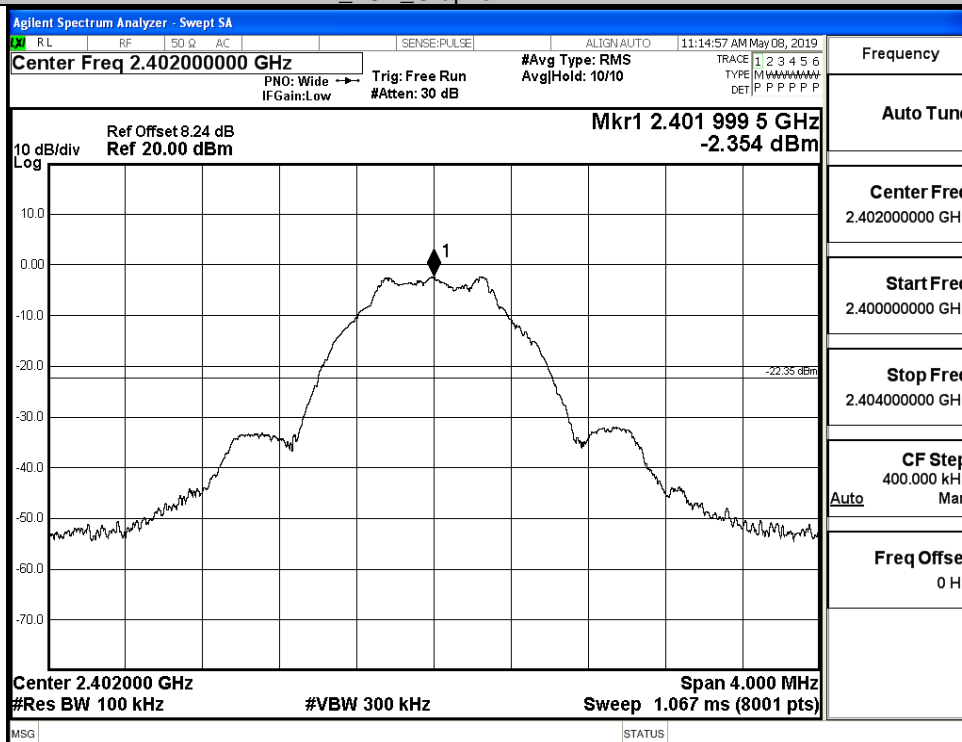


B.5 RF Conducted Spurious Emissions

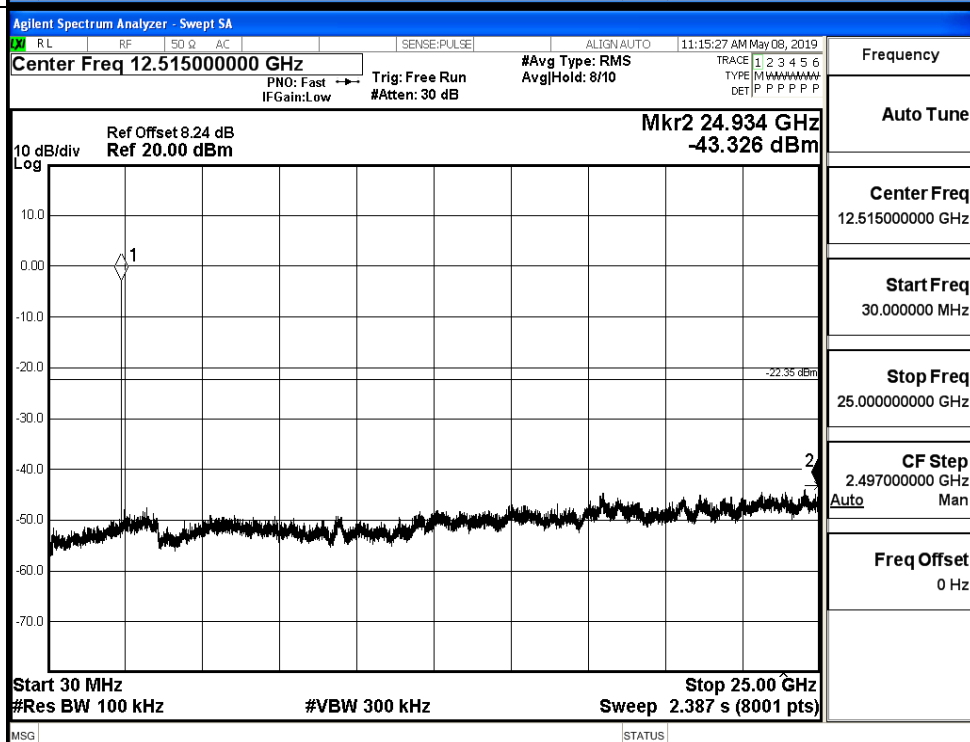
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.354	-43.326	-22.354	PASS
BT LE	MCH	-0.777	-43.989	-20.777	PASS
BT LE	HCH	-1.032	-43.359	-21.032	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH



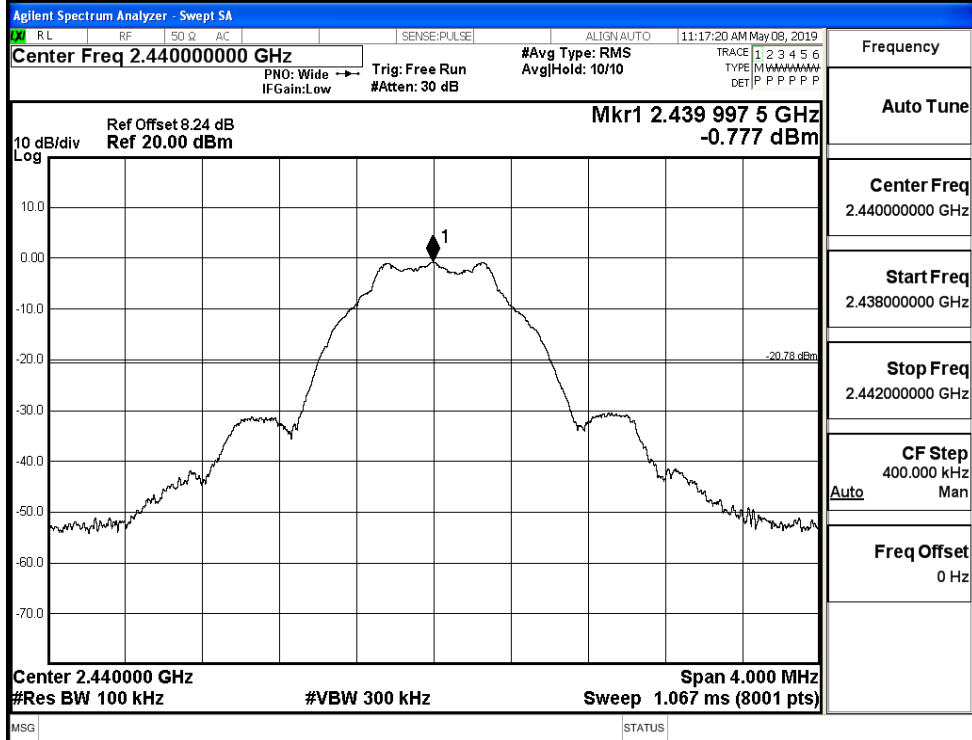
Puw/BT LE/LCH



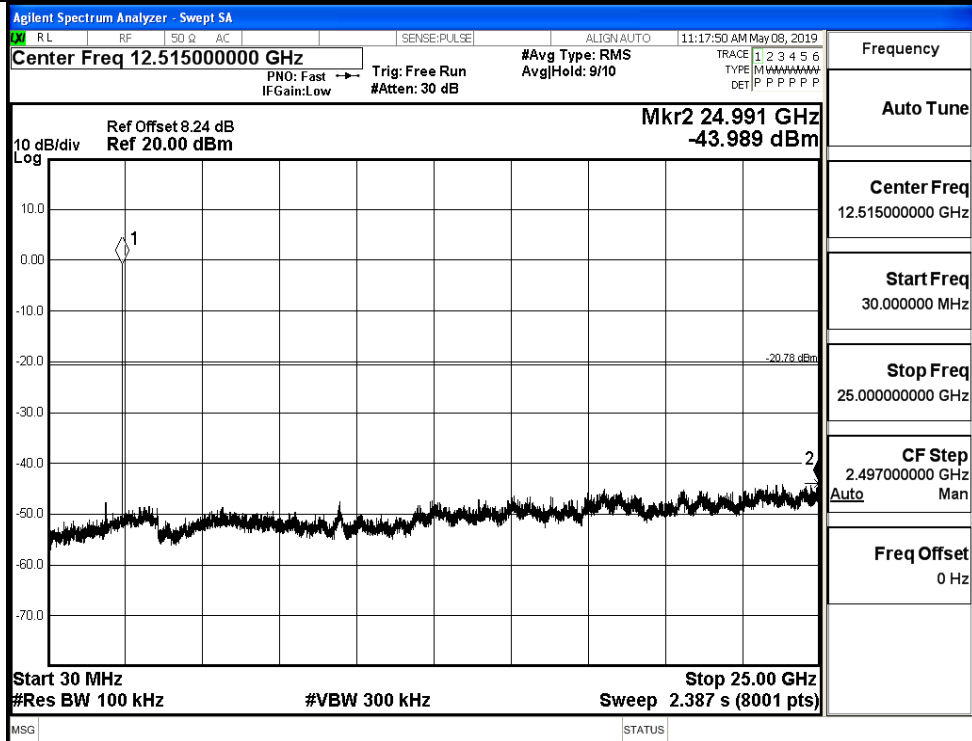
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BT LE_MCH_Graphs

Pref/BT LE/MCH

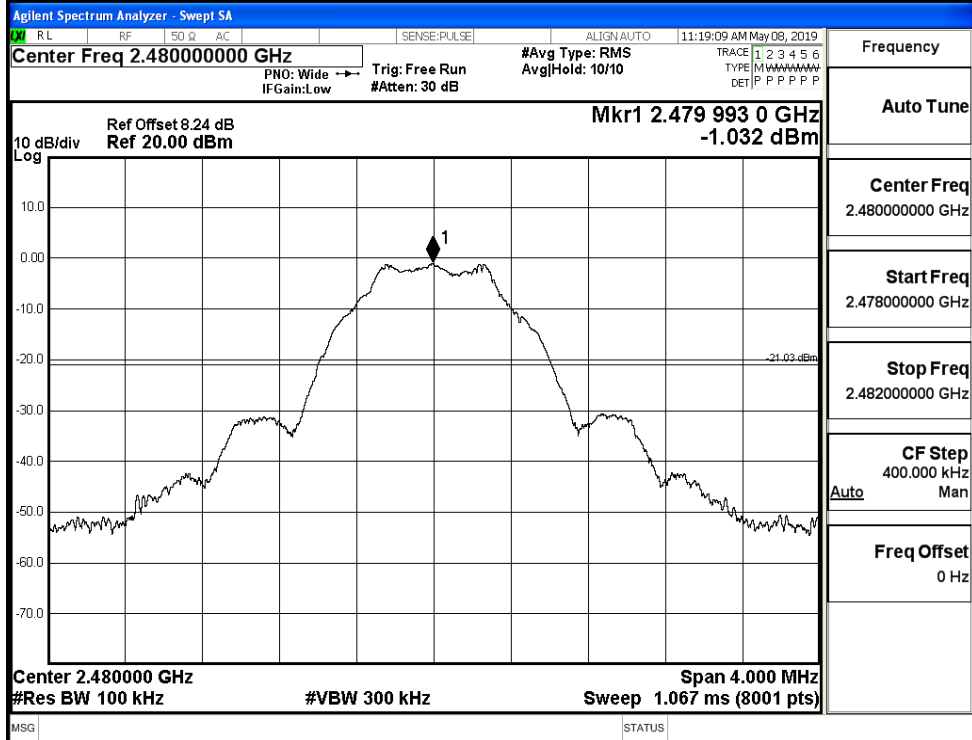


Puw/BT LE/MCH

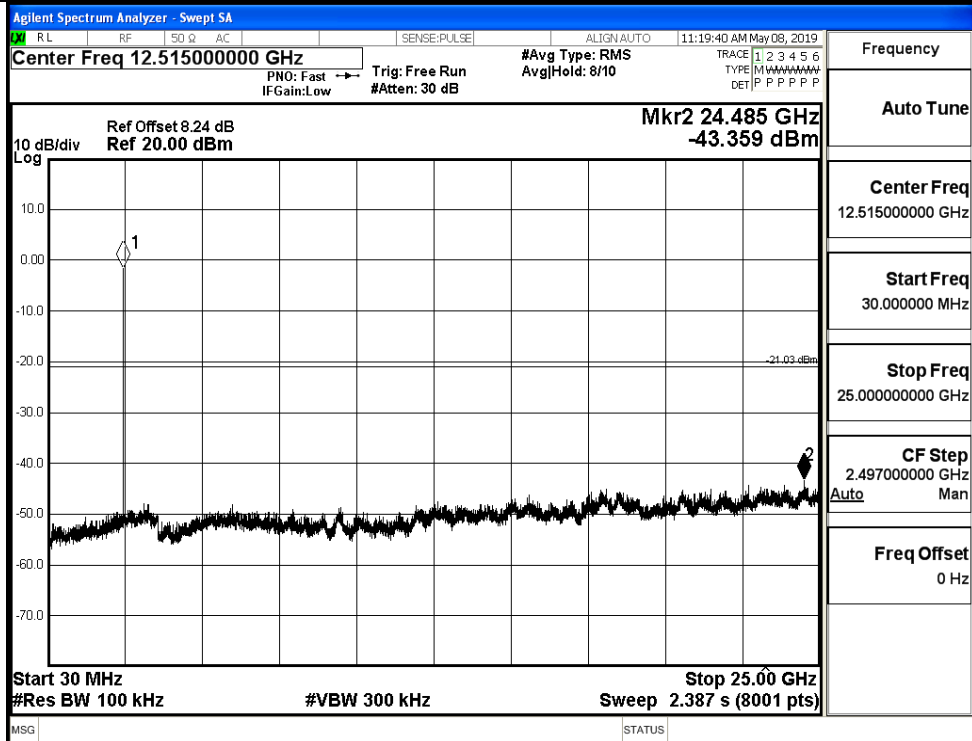


BT LE_HCH_Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

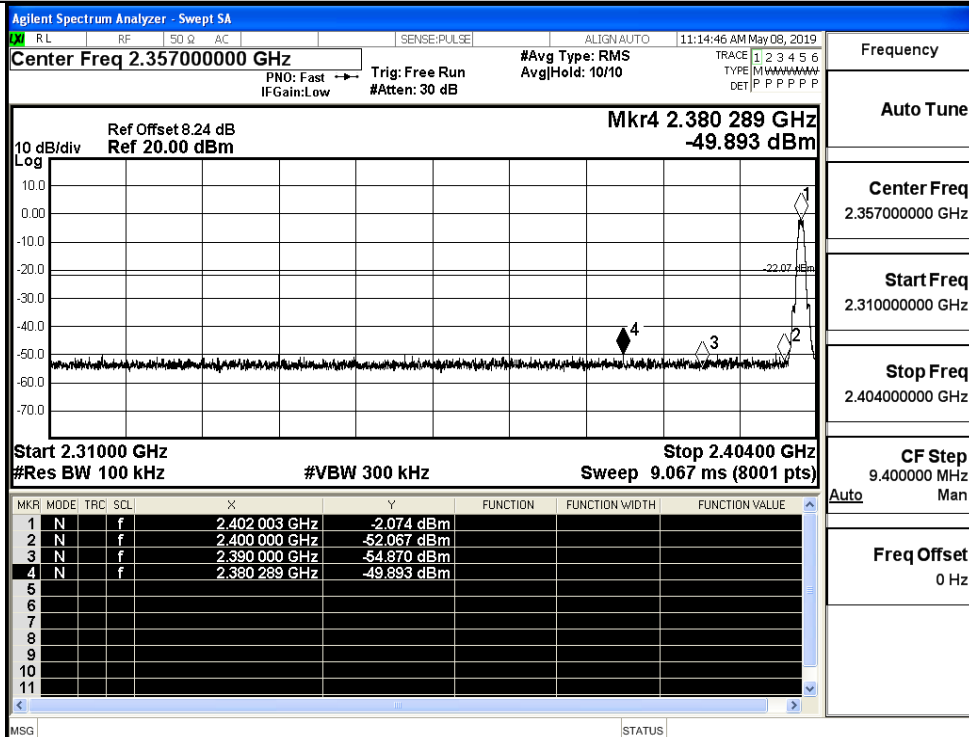


B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-2.074	-49.893	-22.07	PASS
BT LE	HCH	-0.838	-50.186	-20.84	PASS

Test Graphs

LCH



Frequency

Auto Tune

Center Freq

2.357000000 GHz

Start Freq

2.310000000 GHz

Stop Freq

2.404000000 GHz

CF Step

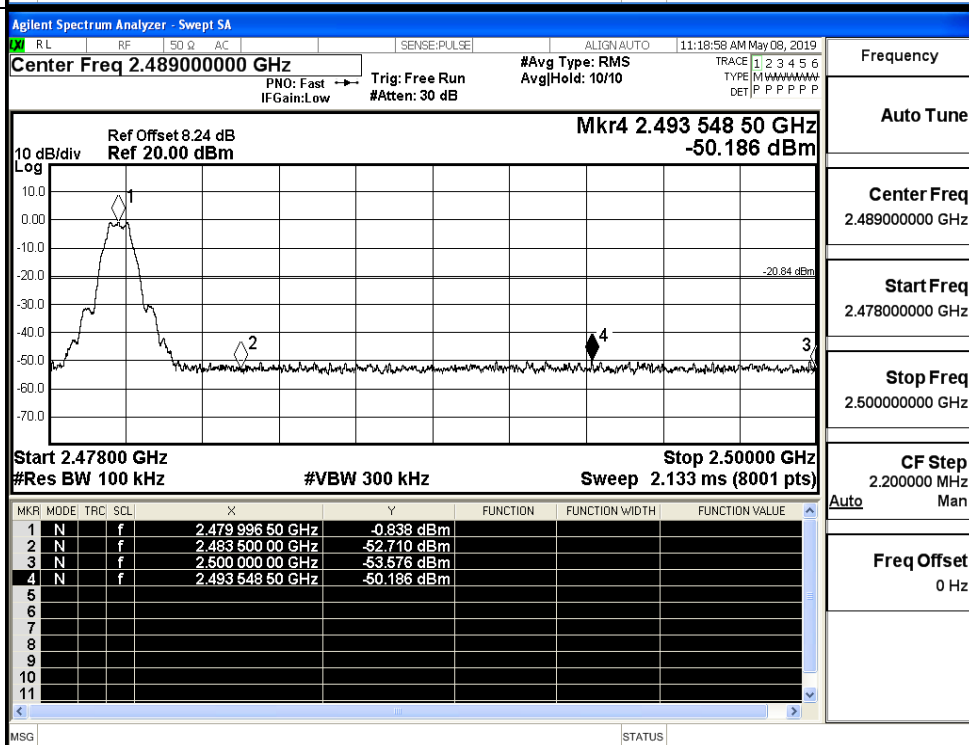
9.400000 MHz

Auto Man

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 Man

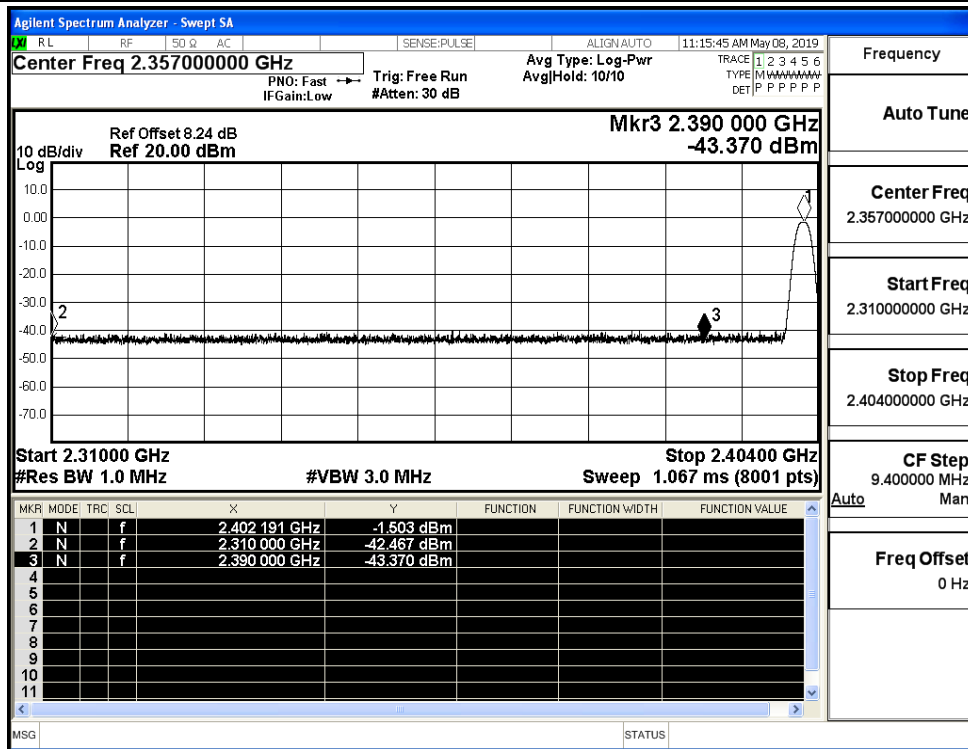
Freq Offset

0 Hz

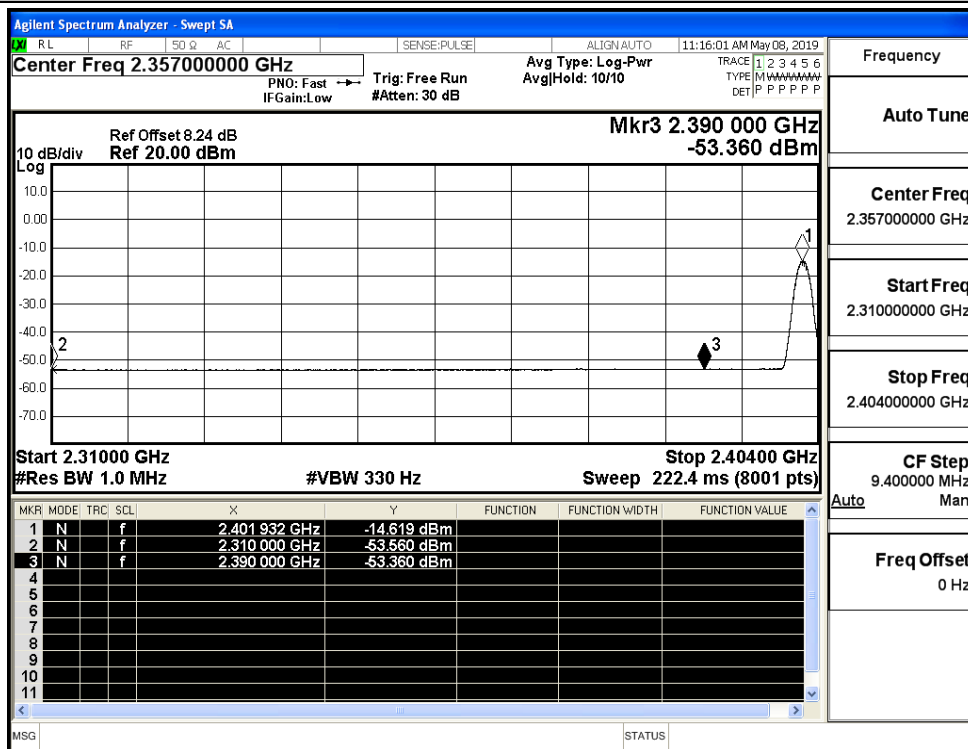
B.7 Restrict-band band-edge measurements

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	-42.47	2.0	0	52.79	PEAK	74	PASS
		Ant1	2310.0	-53.56	2.0	0	41.70	AV	54	PASS
		Ant1	2390.0	-43.37	2.0	0	51.89	PEAK	74	PASS
		Ant1	2390.0	-53.36	2.0	0	41.90	AV	54	PASS
	2480	Ant1	2483.5	-42.84	2.0	0	52.42	PEAK	74	PASS
		Ant1	2483.5	-52.99	2.0	0	42.27	AV	54	PASS
		Ant1	2500.0	-43.13	2.0	0	52.13	PEAK	74	PASS
		Ant1	2500.0	-52.92	2.0	0	42.34	AV	54	PASS

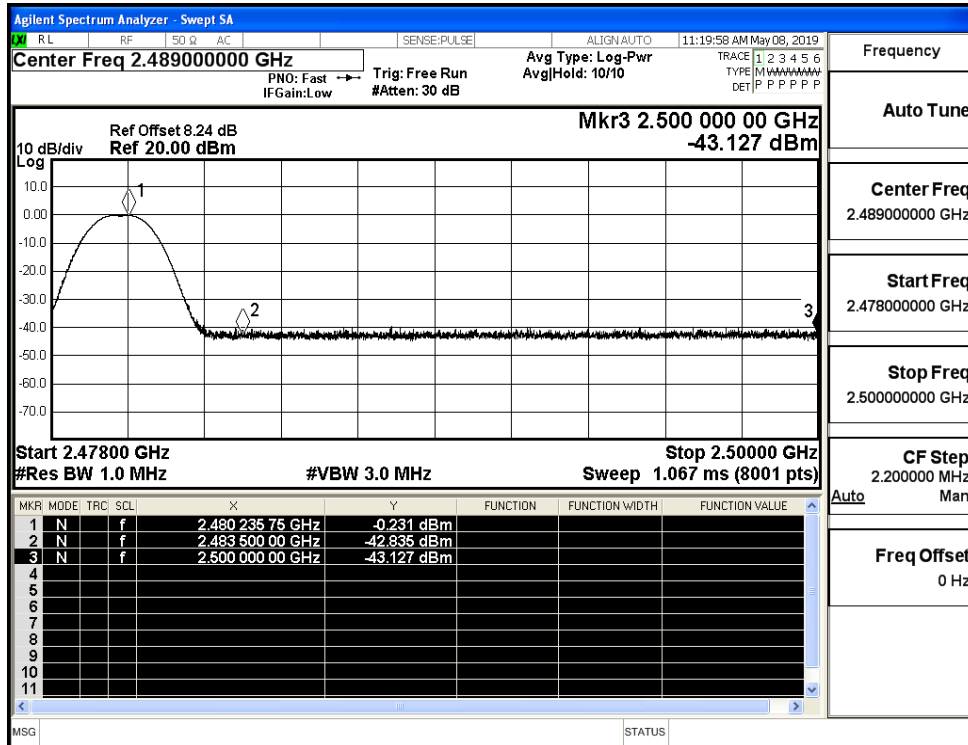
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

