

Appendix B

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

Product Name: QYKSONIC ZOE - Advanced Skincare Device

Trade Mark: ZOE, QYKSONIC, QYKSONIC

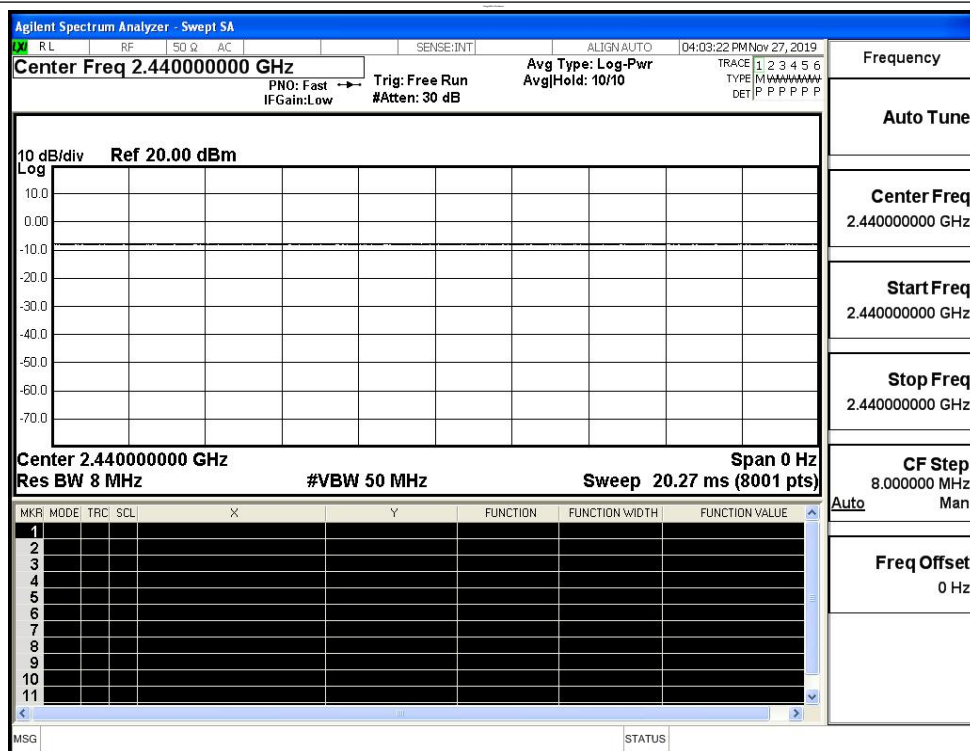
Test Model: ZOE BLISS

Environmental Conditions

Temperature:	22.8 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jk Zhou
Supervised by:	Tom.Liu

B.1 Duty Cycle

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

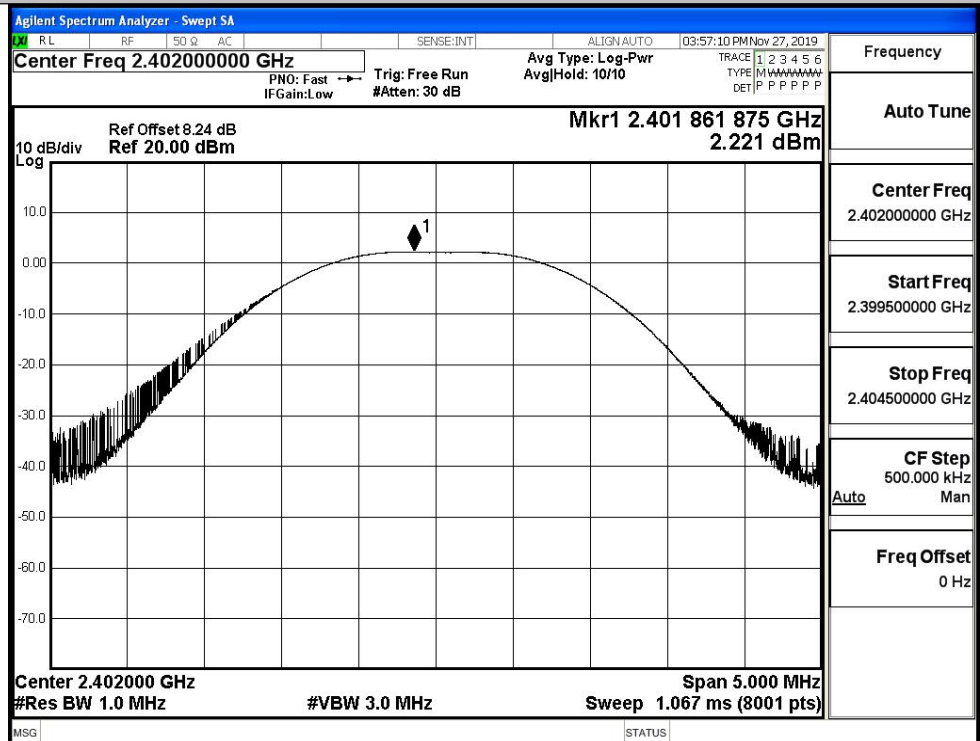


B.2 Maximum Conducted Peak Output Power

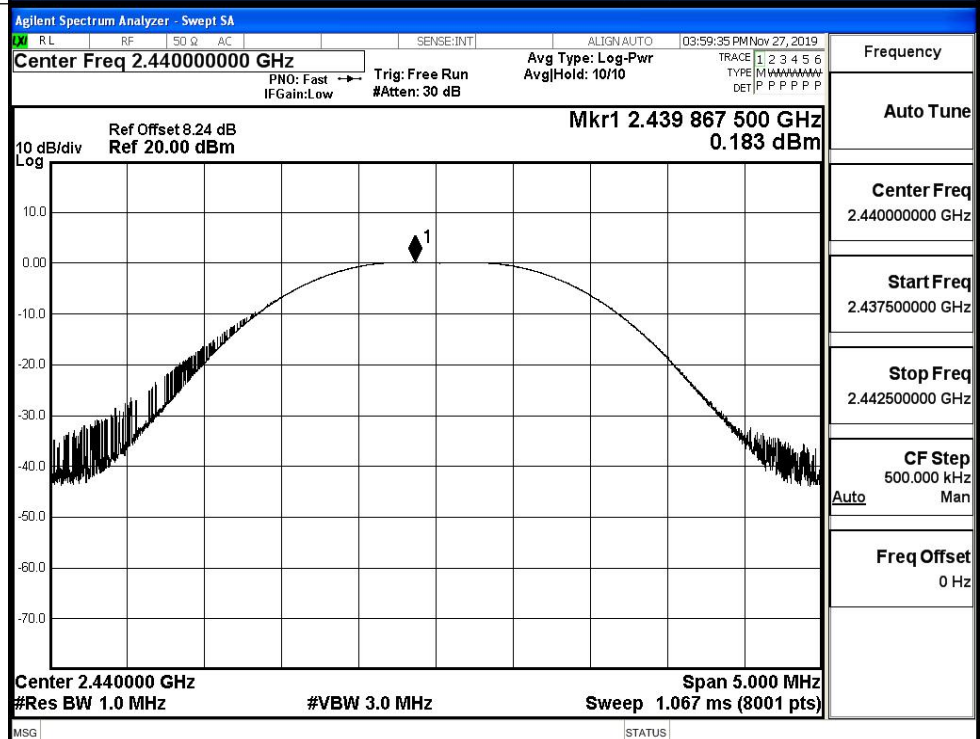
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	2.221	30	PASS
BT LE	MCH	0.183	30	PASS
BT LE	HCH	-1.595	30	PASS

Test Graphs

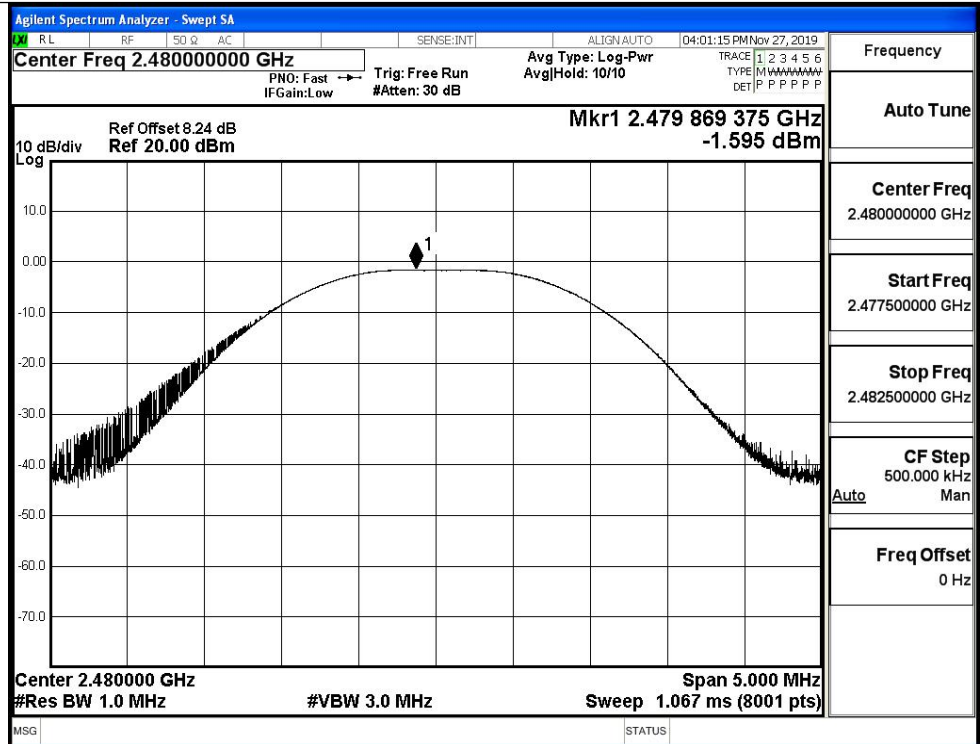
LCH



MCH



HCH

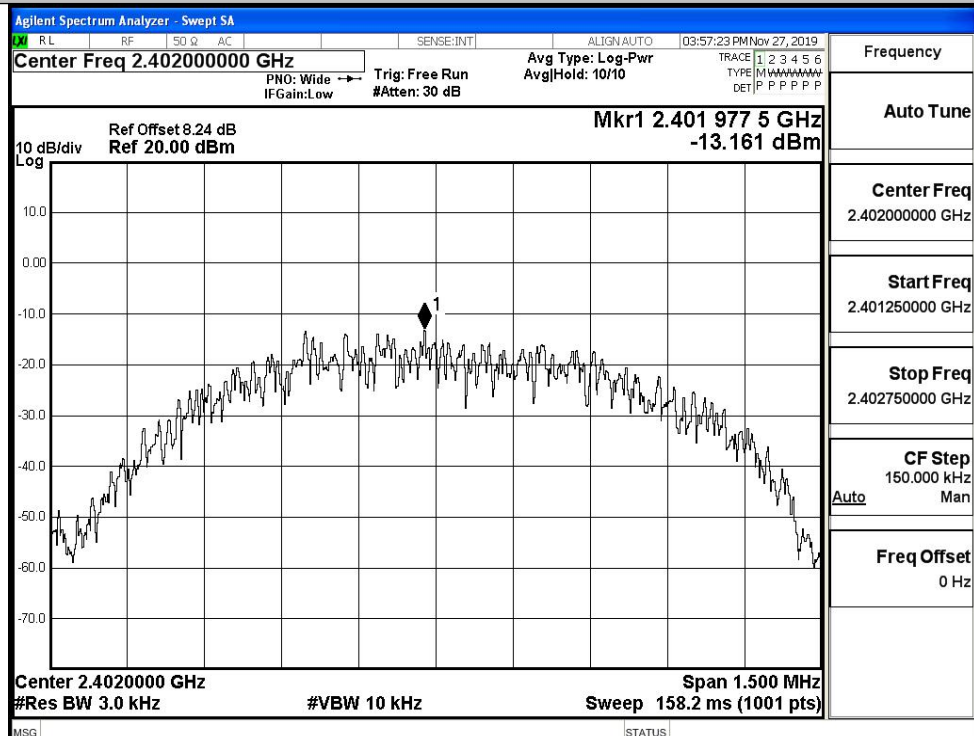


B.3 Maximum Power Spectral Density

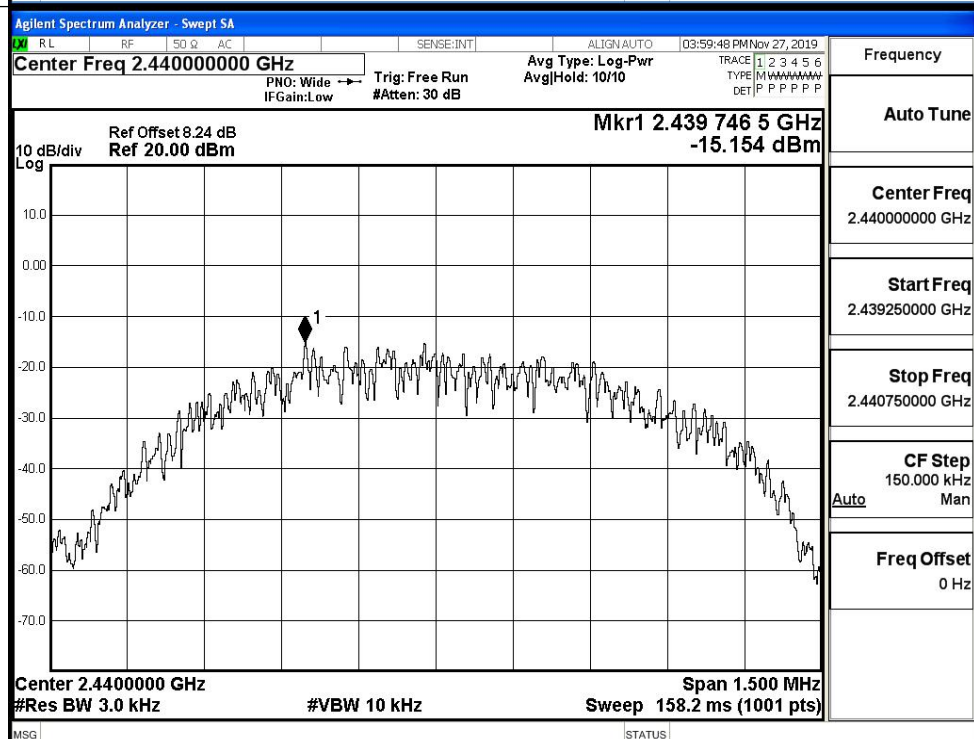
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.161	8	PASS
BT LE	MCH	-15.154	8	PASS
BT LE	HCH	-16.899	8	PASS

Test Graphs

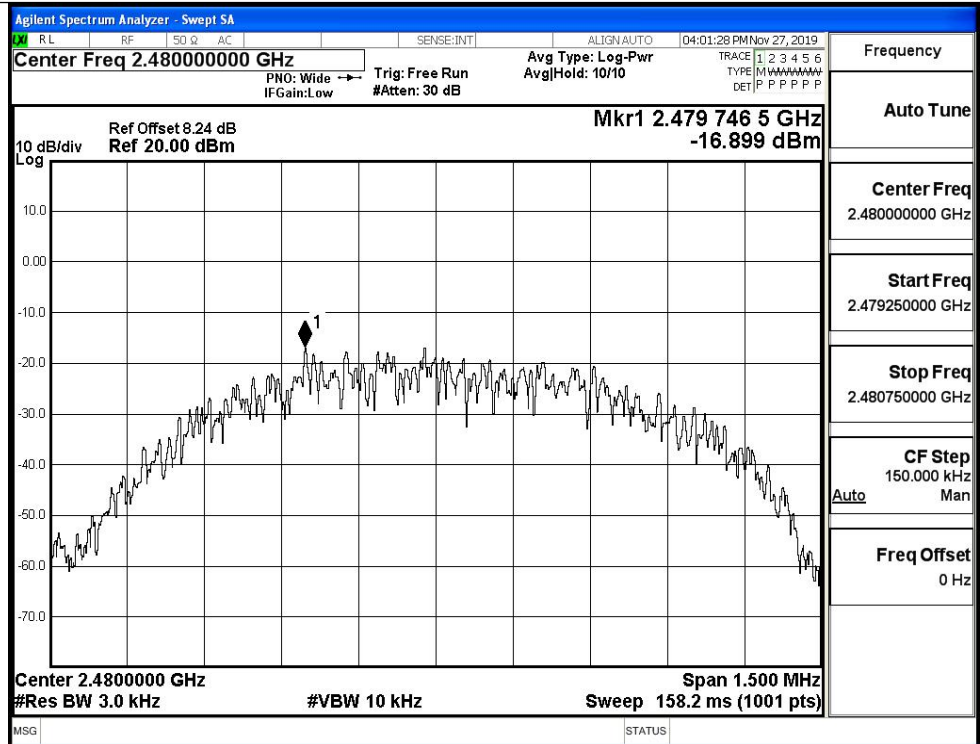
LCH



MCH



HCH

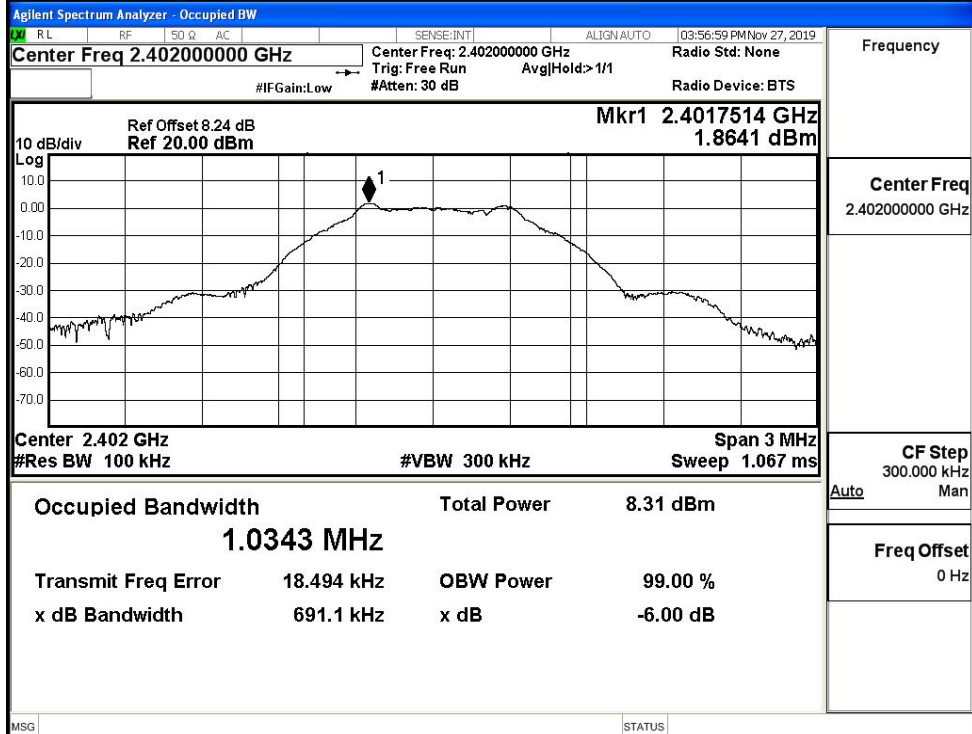


B.4 6dB Bandwidth

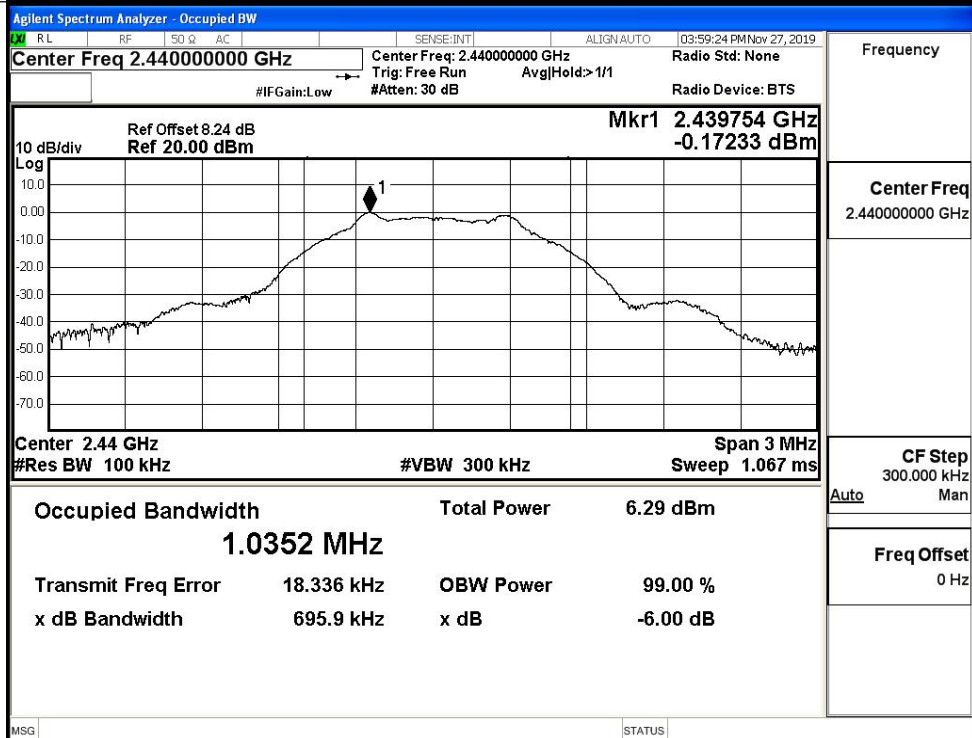
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6911	≥ 0.5	PASS
BT LE	MCH	0.6959	≥ 0.5	PASS
BT LE	HCH	0.6860	≥ 0.5	PASS

Test Graphs

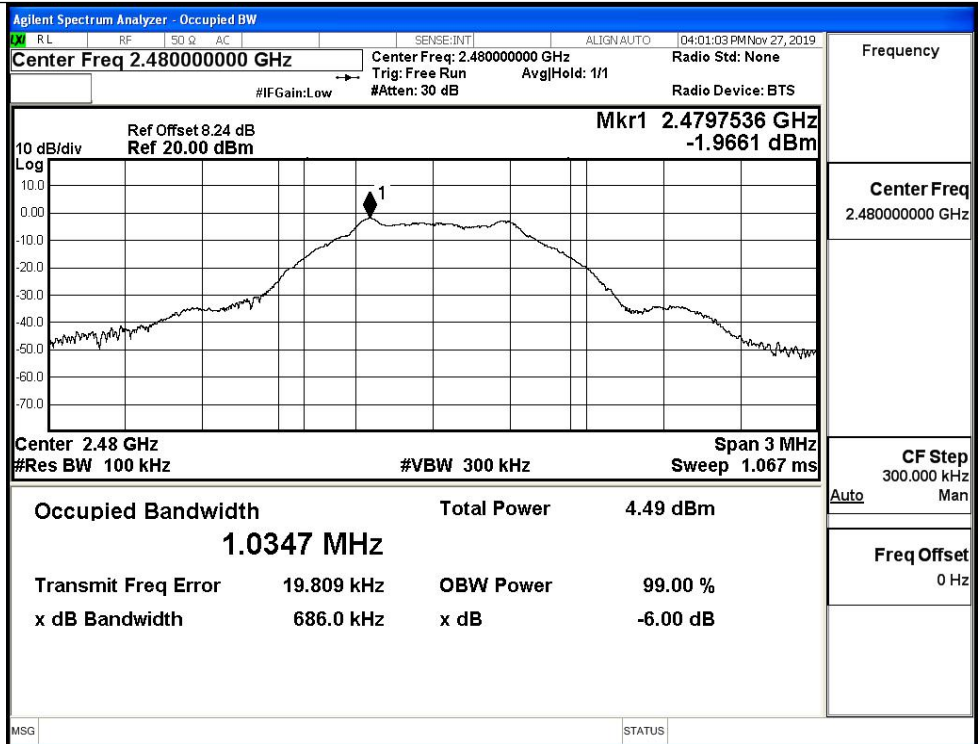
LCH



MCH



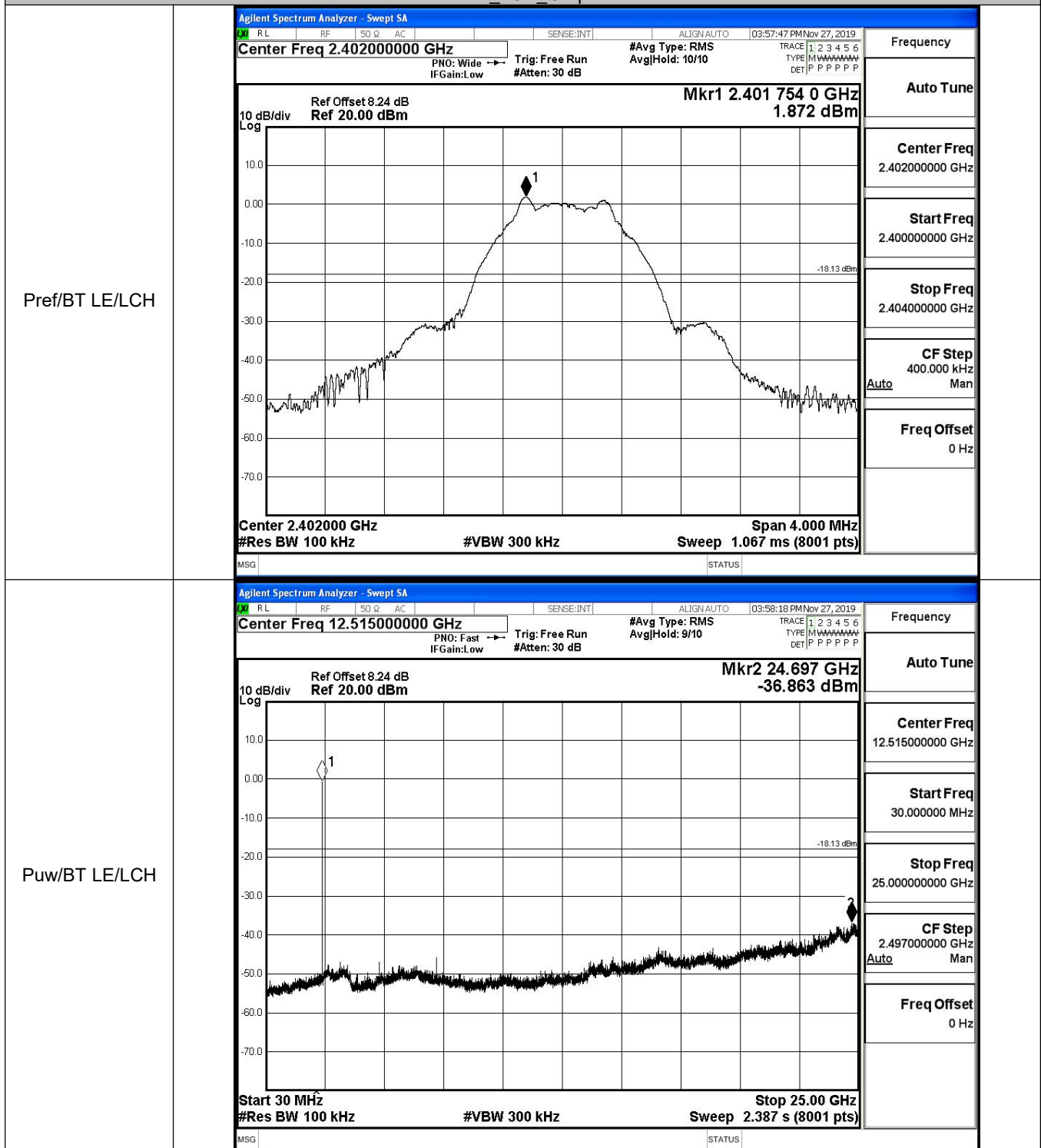
HCH



B.5 RF Conducted Spurious Emissions

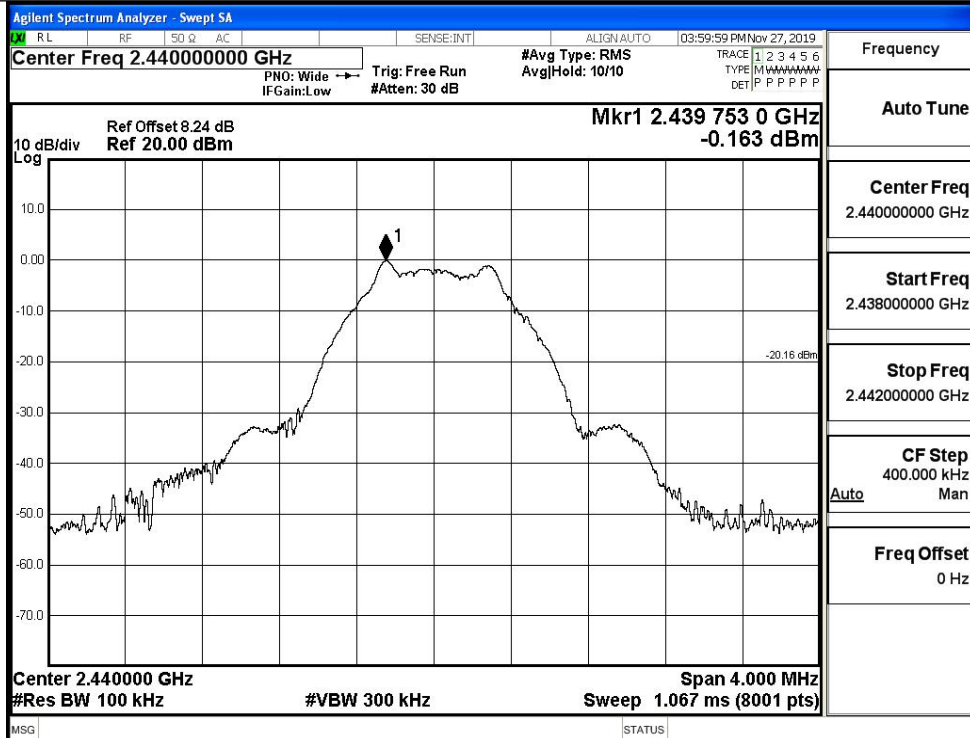
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.872	-36.863	-18.128	PASS
BT LE	MCH	-0.163	-36.370	-20.163	PASS
BT LE	HCH	-1.963	-36.959	-21.963	PASS

BT LE_LCH_Graphs

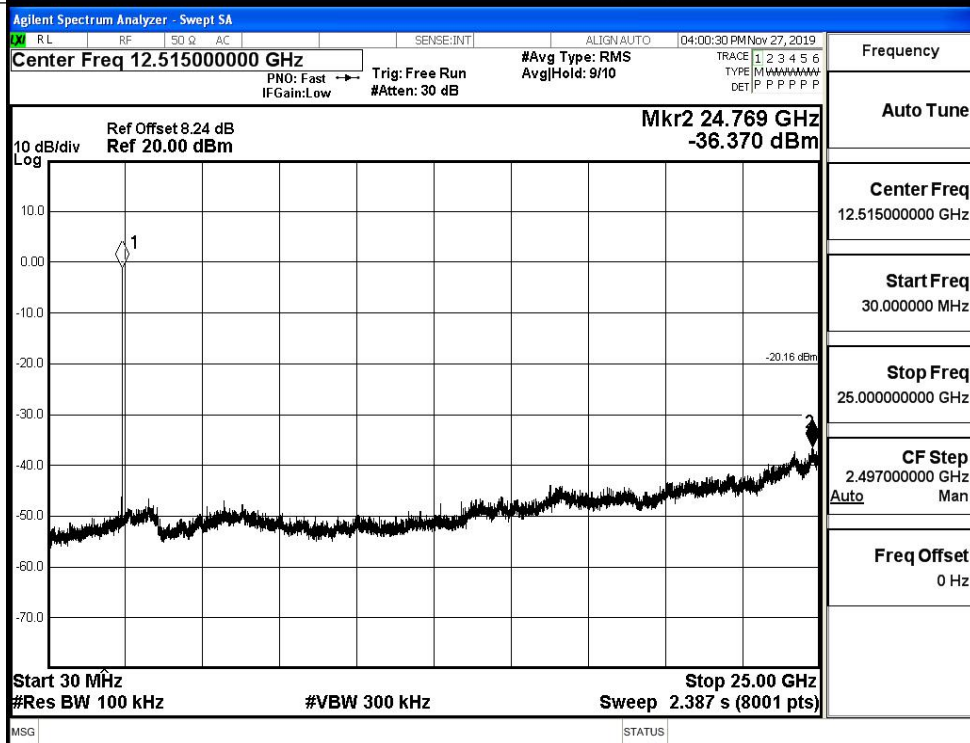


BT LE MCH Graphs

Pref/BT LE/MCH

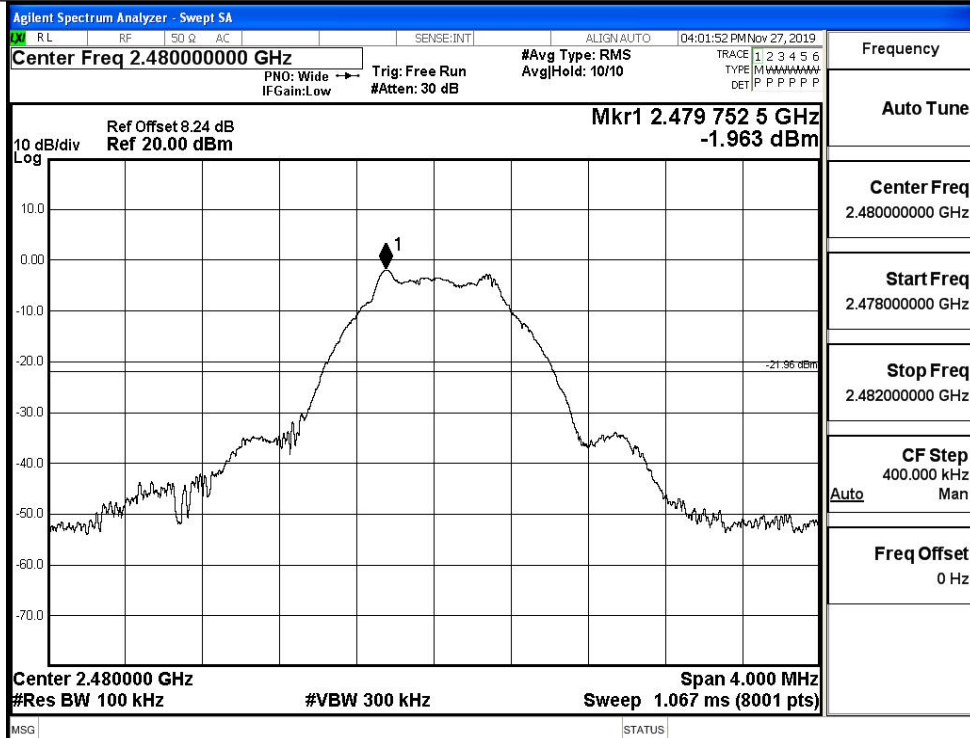


Puw/BT LE/MCH

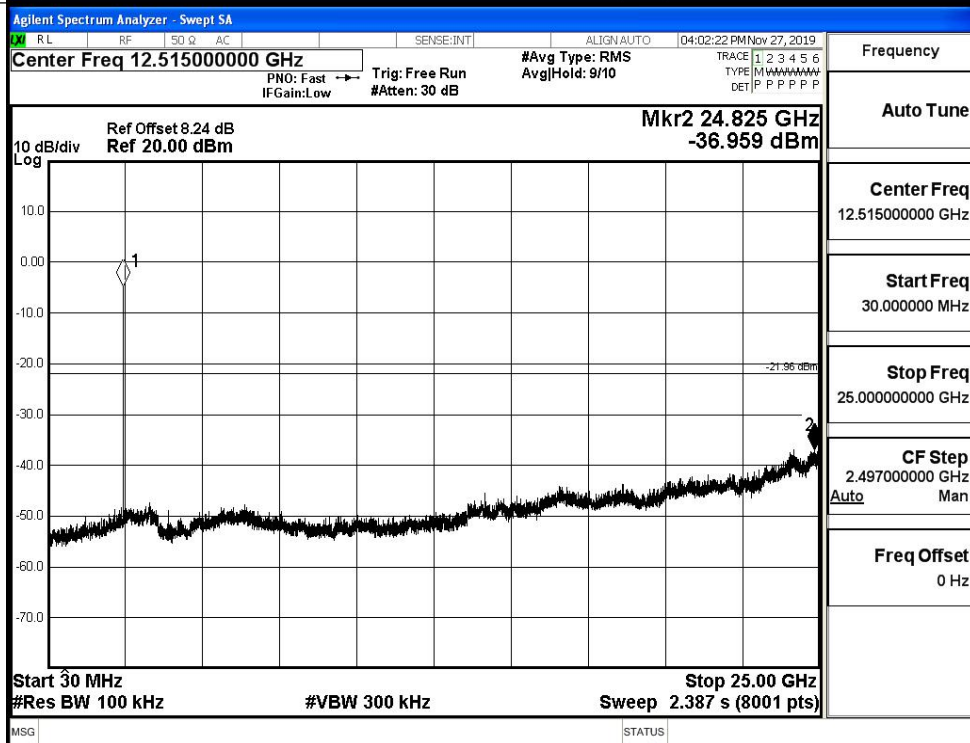


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

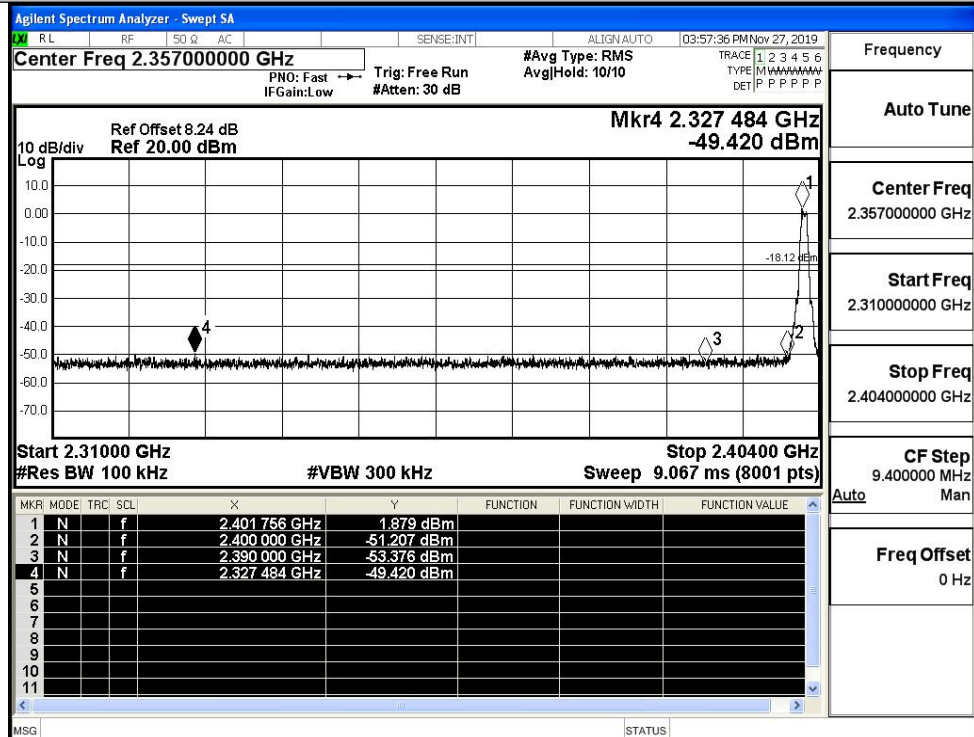


B.6 Band-edge for RF Conducted Emissions

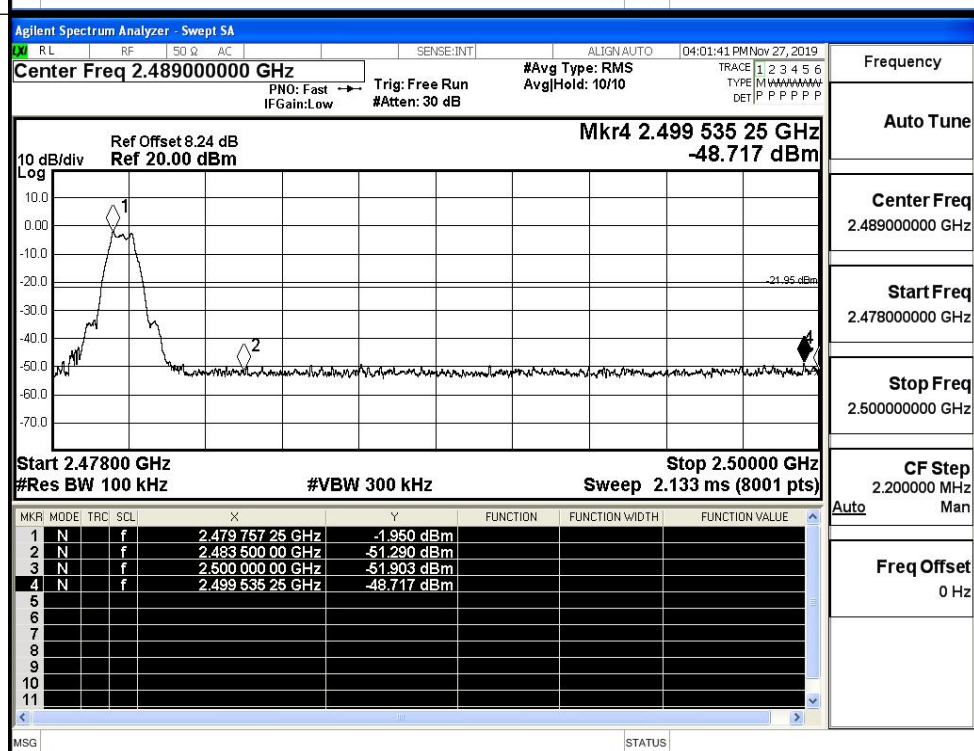
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.879	-49.420	-18.12	PASS
BT LE	HCH	-1.950	-48.717	-21.95	PASS

Test Graphs

LCH



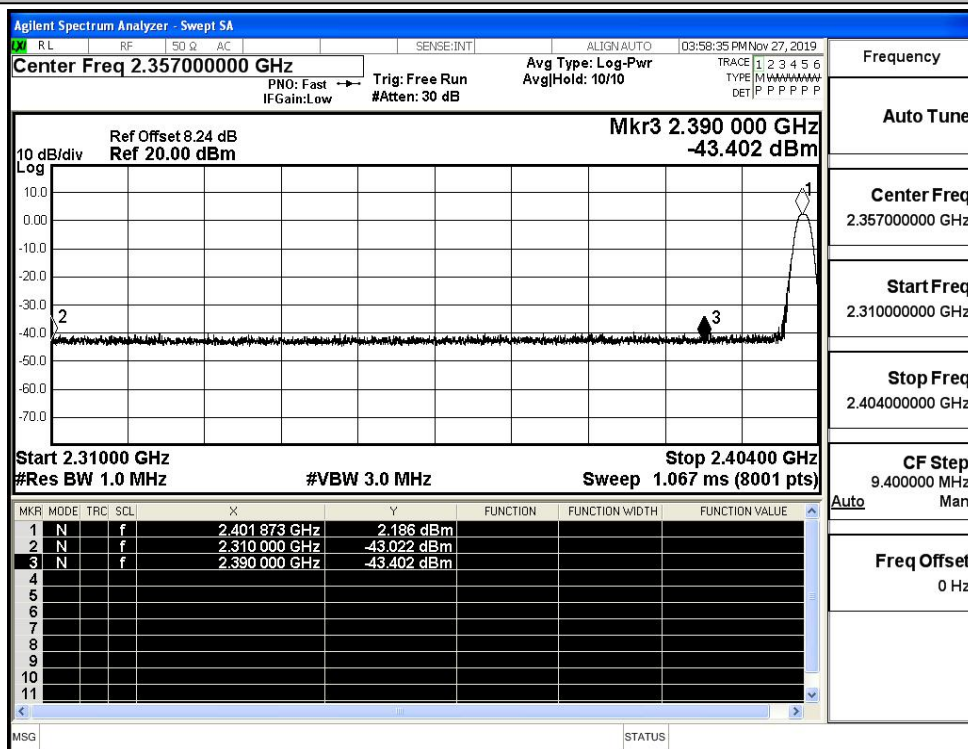
HCH



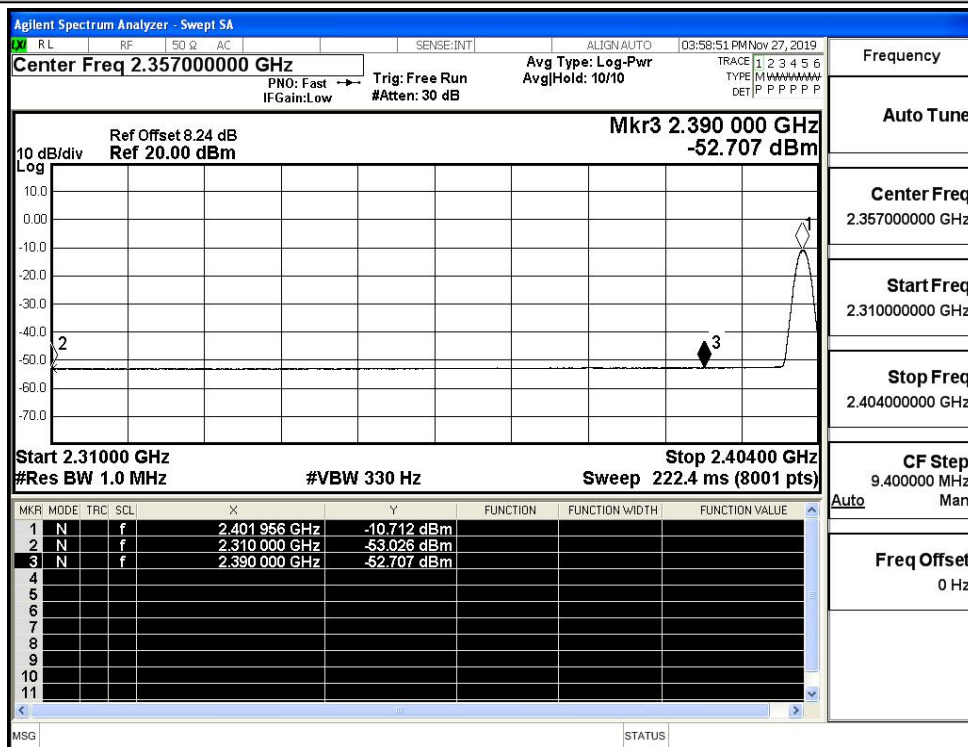
B.7 Restrict-band band-edge measurements

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	-43.02	2.0	0	52.24	PEAK	74	PASS
		Ant1	2310.0	-53.03	2.0	0	42.23	AV	54	PASS
		Ant1	2390.0	-43.40	2.0	0	51.86	PEAK	74	PASS
		Ant1	2390.0	-52.71	2.0	0	42.55	AV	54	PASS
	2480	Ant1	2483.5	-42.26	2.0	0	53.00	PEAK	74	PASS
		Ant1	2483.5	-52.26	2.0	0	43.00	AV	54	PASS
		Ant1	2500.0	-42.71	2.0	0	52.55	PEAK	74	PASS
		Ant1	2500.0	-52.14	2.0	0	43.11	AV	54	PASS

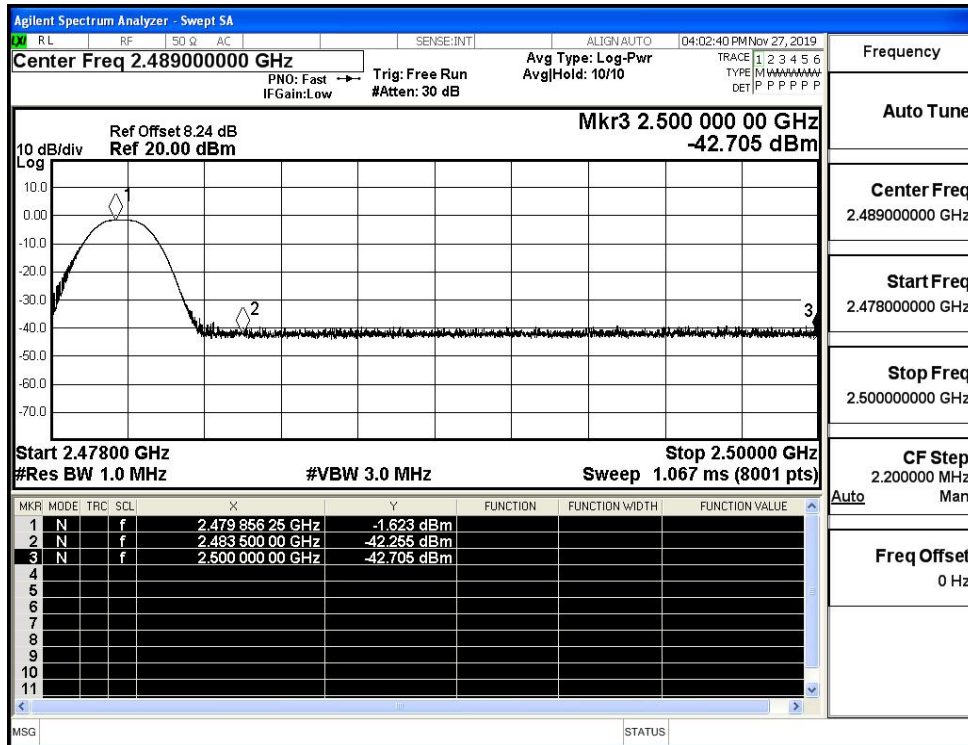
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

