

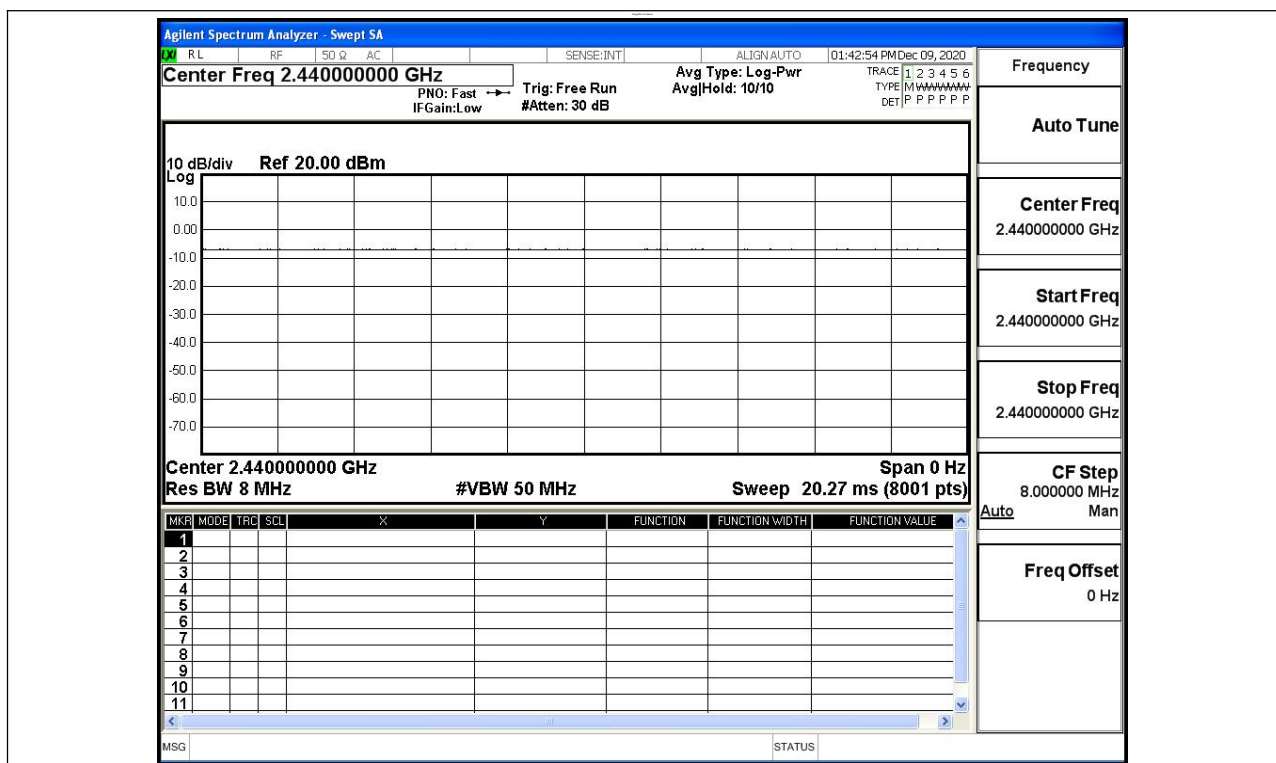
Appendix B
RF Test Data for BT V5.0(DTS) (Conducted Measurement)
Product Name: Wireless headphone
Trade Mark: Origaudio
Test Model: Beebop

Environmental Conditions

Temperature:	22.3 ° C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

B.1 Duty Cycle

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

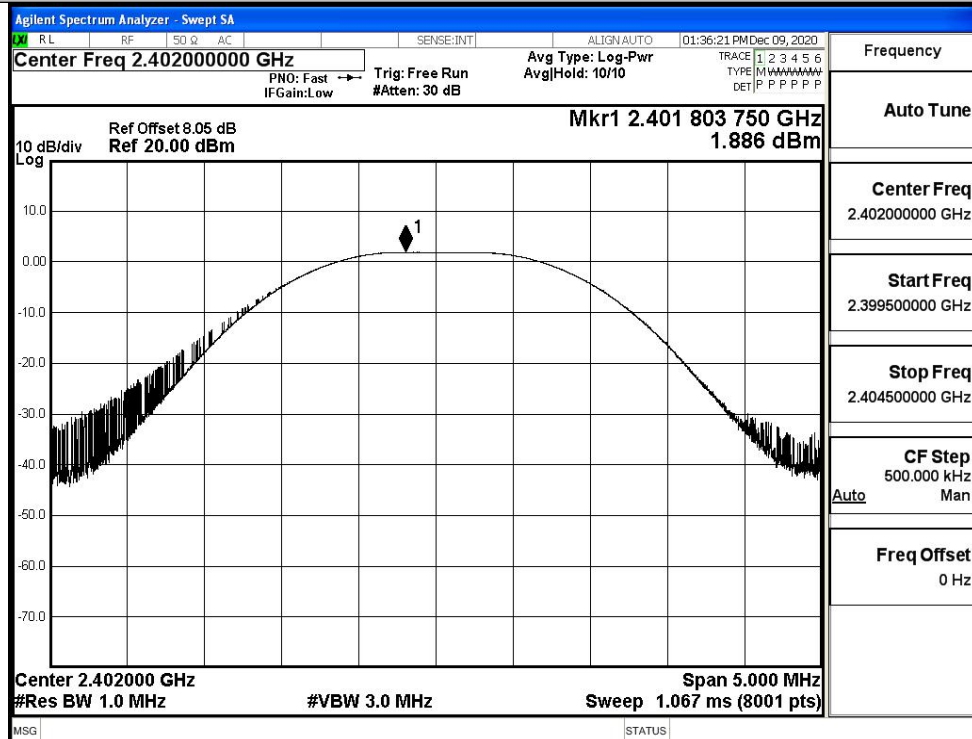


B.2 Maximum Conducted Peak Output Power

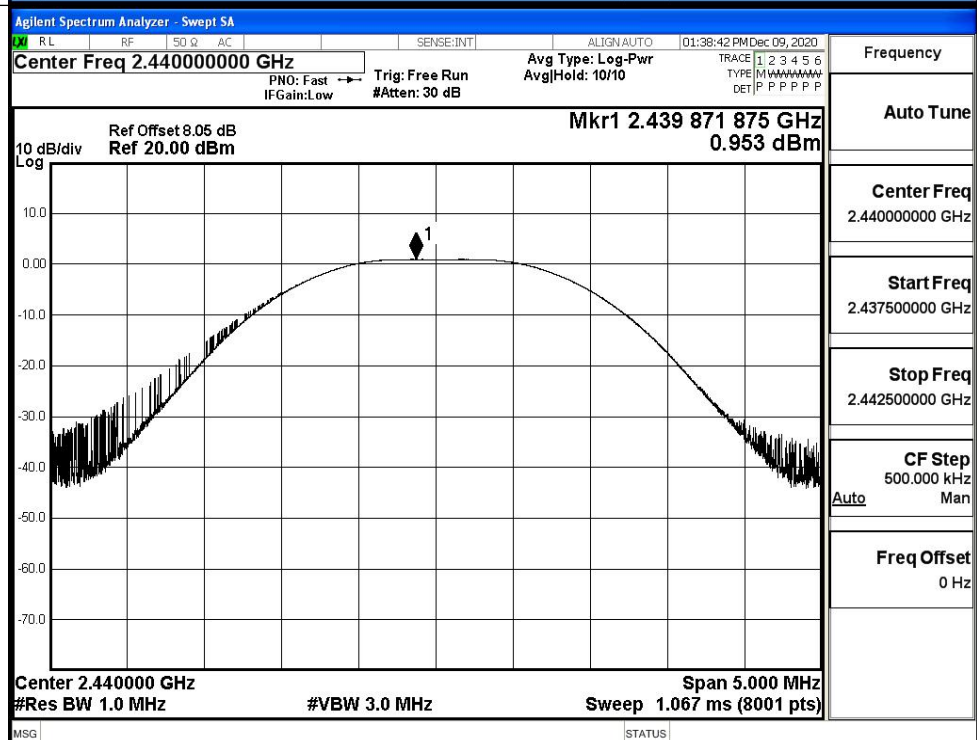
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.886	30	PASS
BT LE	MCH	0.953	30	PASS
BT LE	HCH	-0.381	30	PASS

Test Graphs

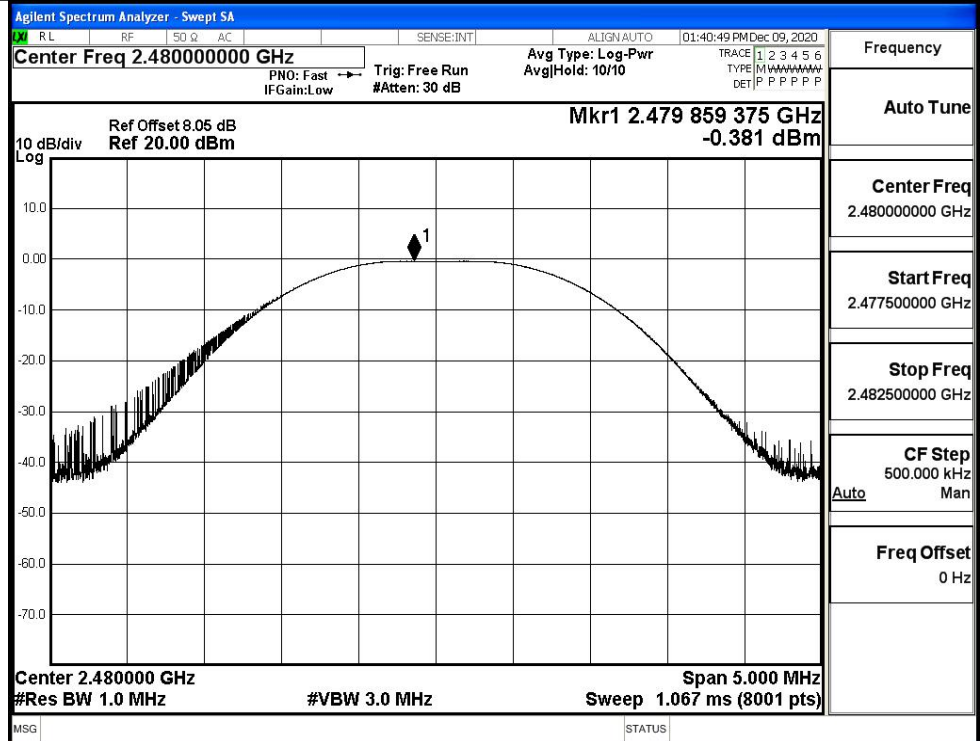
LCH



MCH



HCH

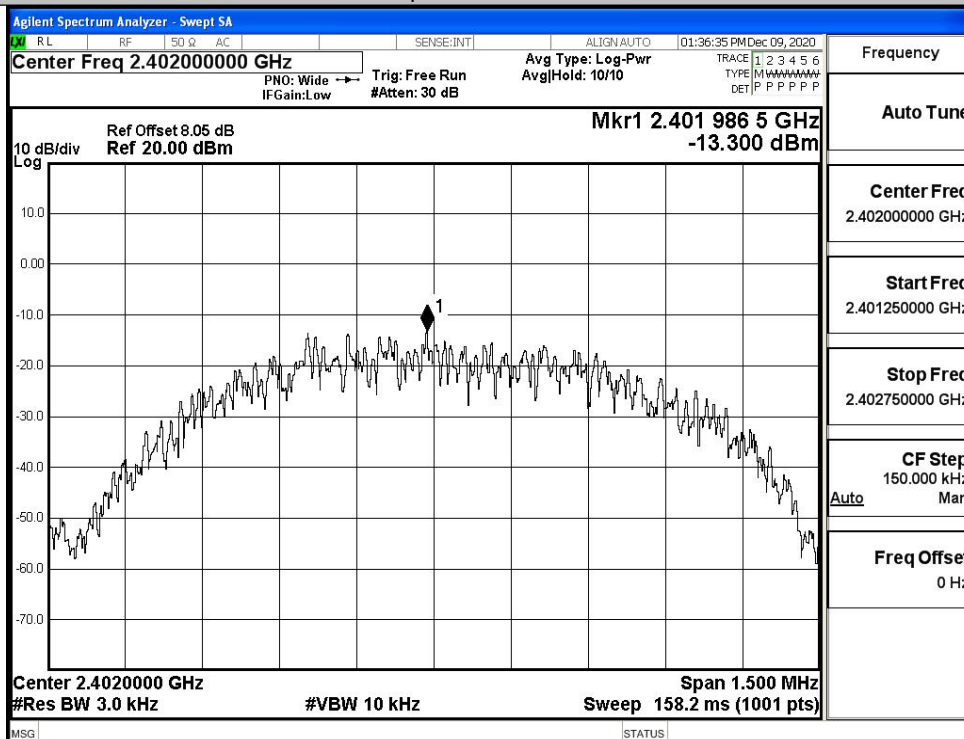


B.3 Maximum Power Spectral Density

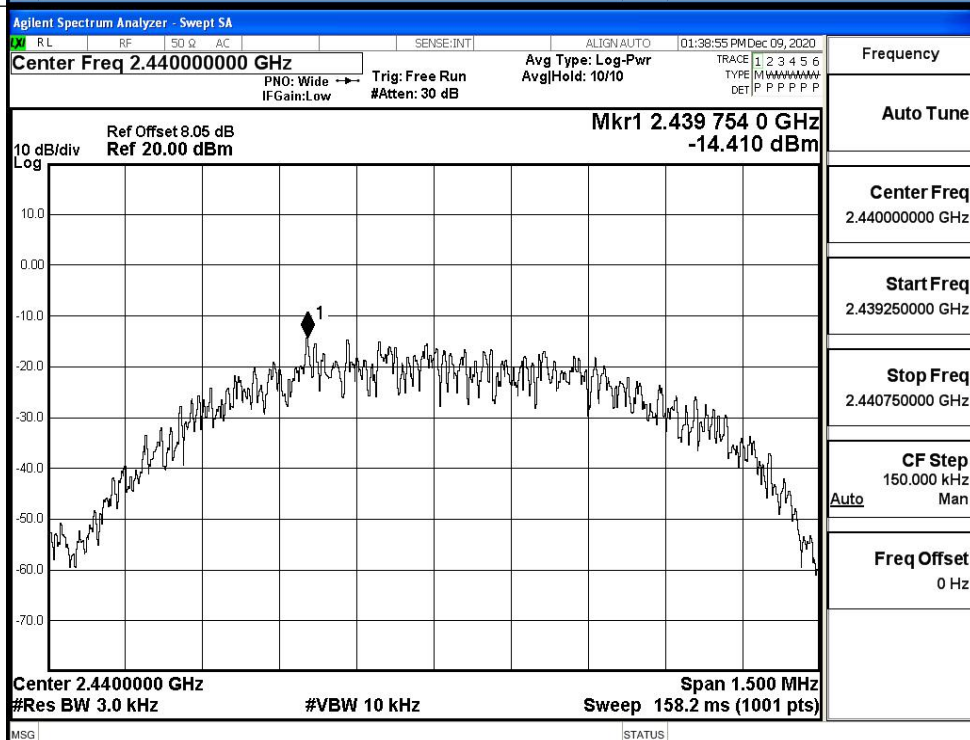
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-13.300	8	PASS
BT LE	MCH	-14.410	8	PASS
BT LE	HCH	-15.504	8	PASS

Test Graphs

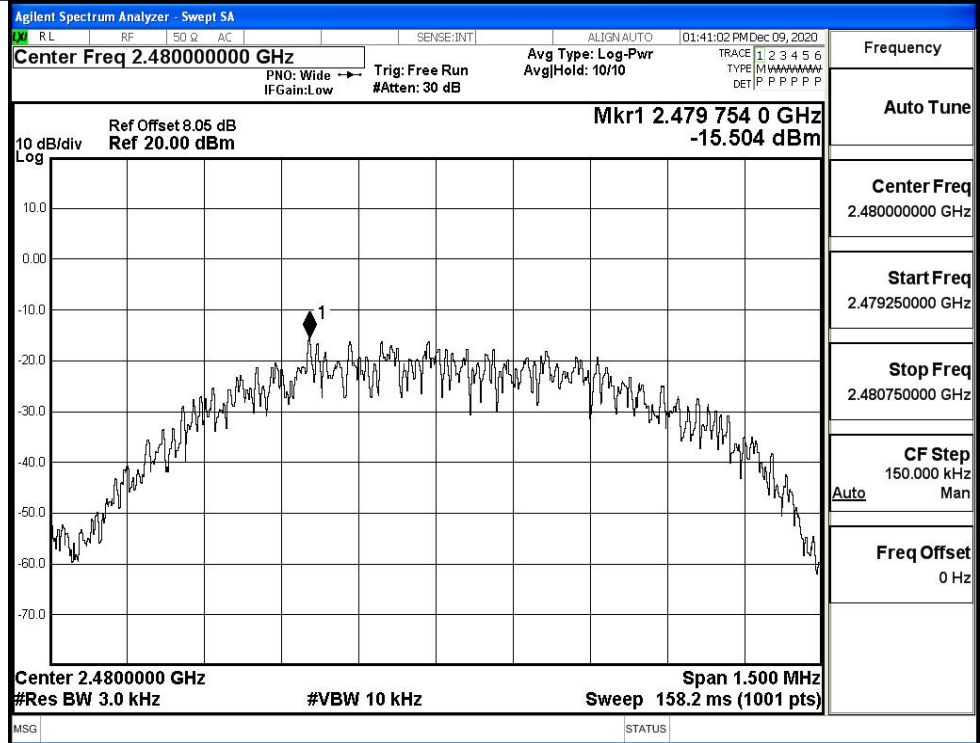
LCH



MCH



HCH

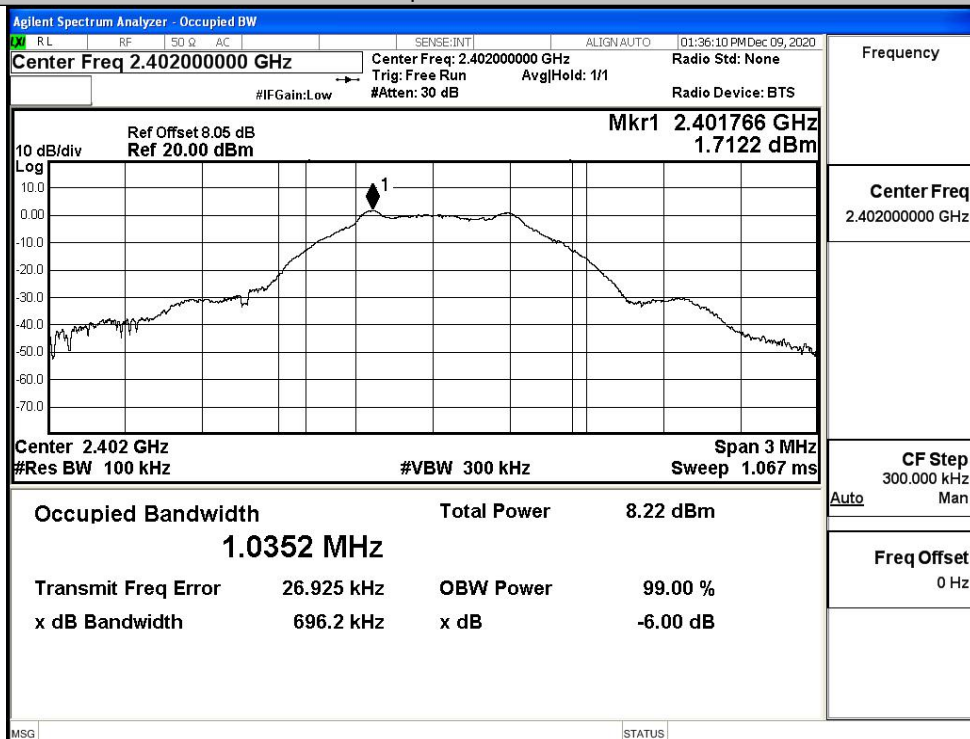


B.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6962	≥ 0.5	PASS
BT LE	MCH	0.6958	≥ 0.5	PASS
BT LE	HCH	0.6956	≥ 0.5	PASS

Test Graphs

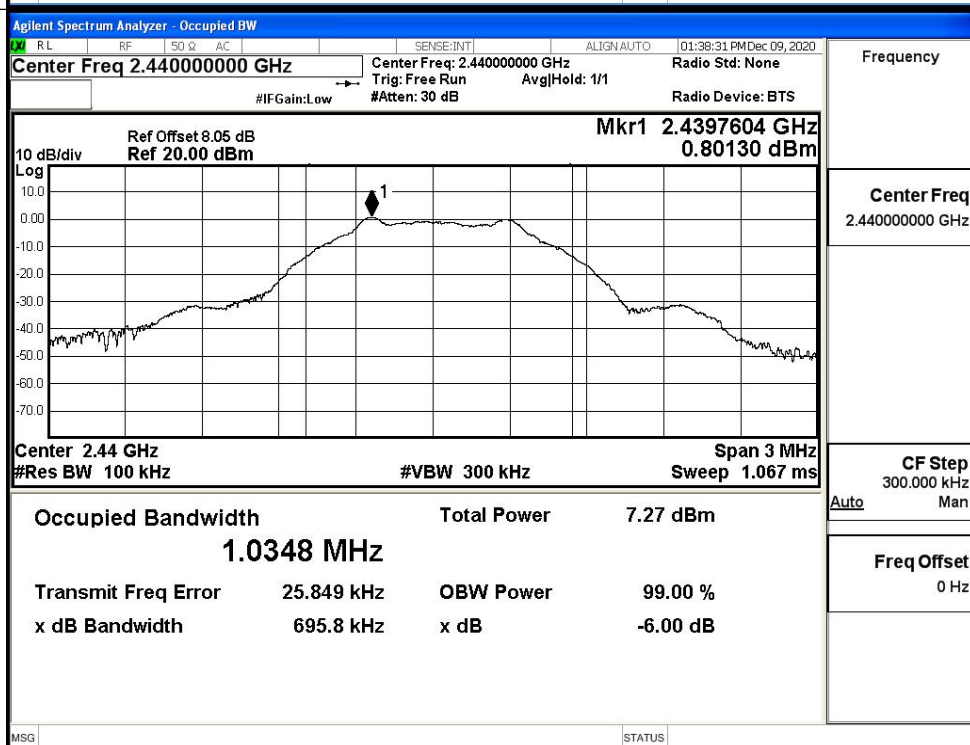
LCH



Frequency

Center Freq
2.402000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

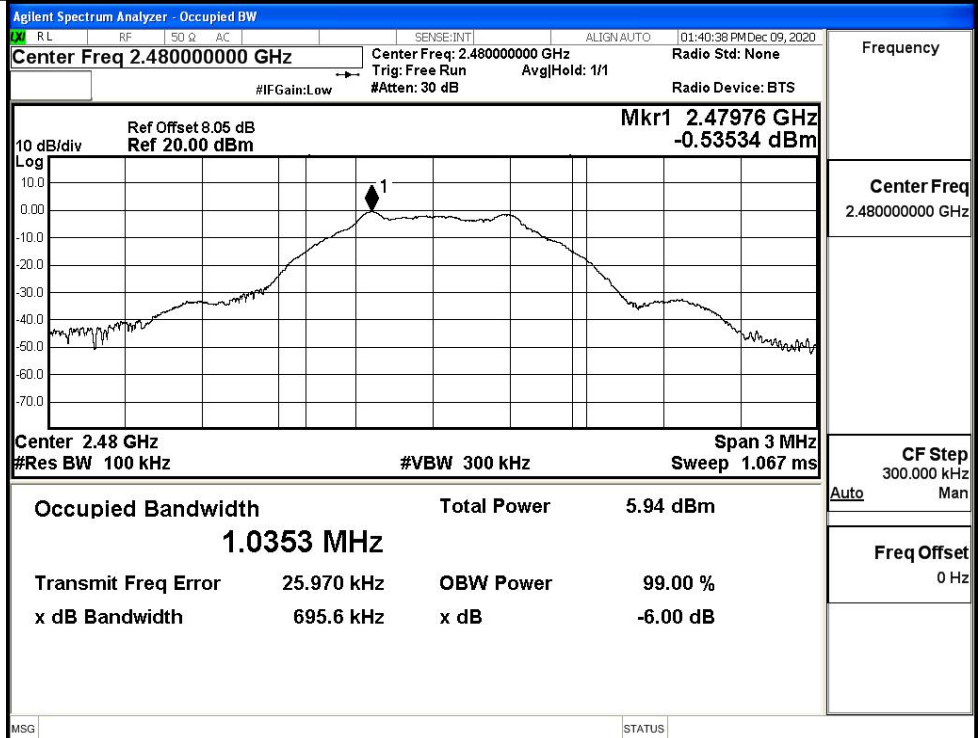
MCH



Frequency

Center Freq
2.440000000 GHzCF Step
300.000 kHz
Auto ManFreq Offset
0 Hz

HCH

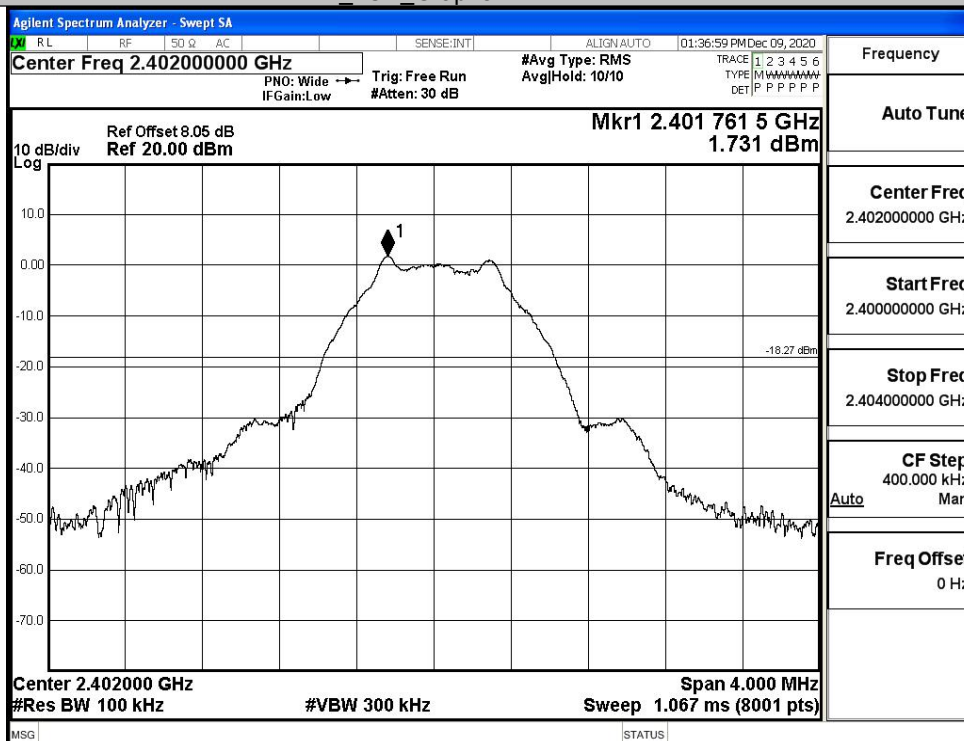


B.5 RF Conducted Spurious Emissions

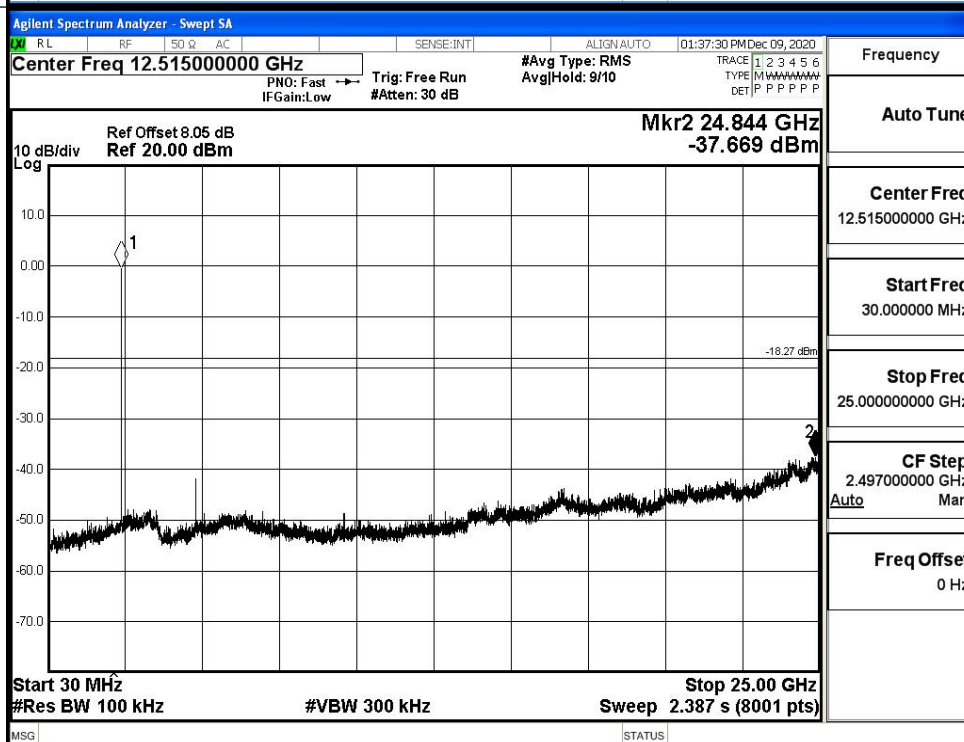
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.731	-37.669	-18.269	PASS
BT LE	MCH	0.776	-37.198	-19.224	PASS
BT LE	HCH	-0.529	-36.514	-20.529	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

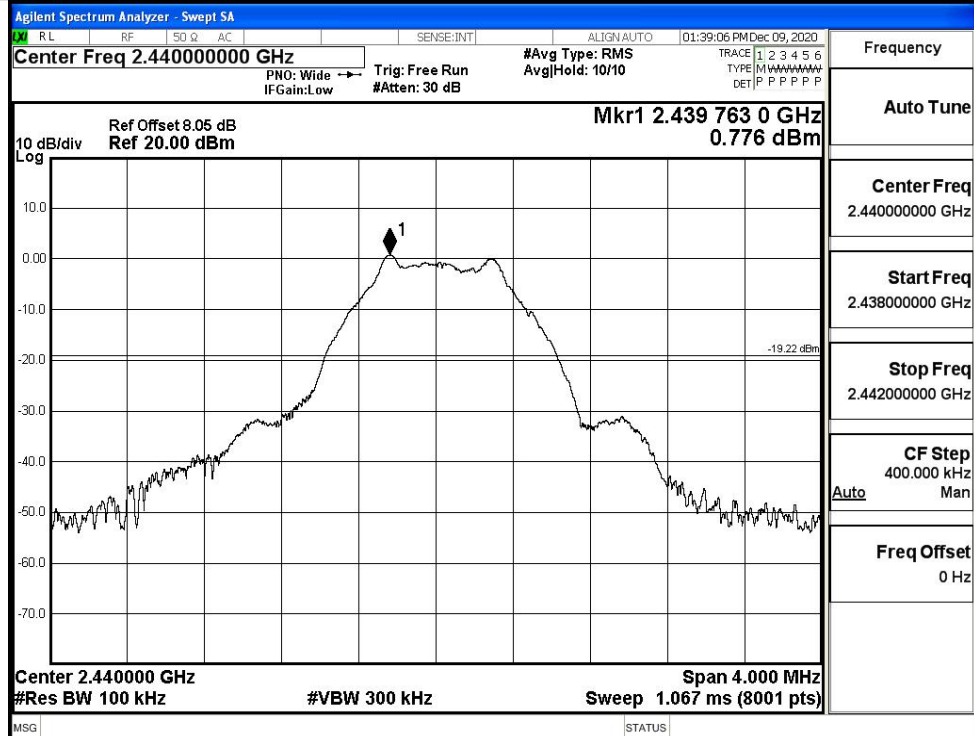


Puw/BT LE/LCH

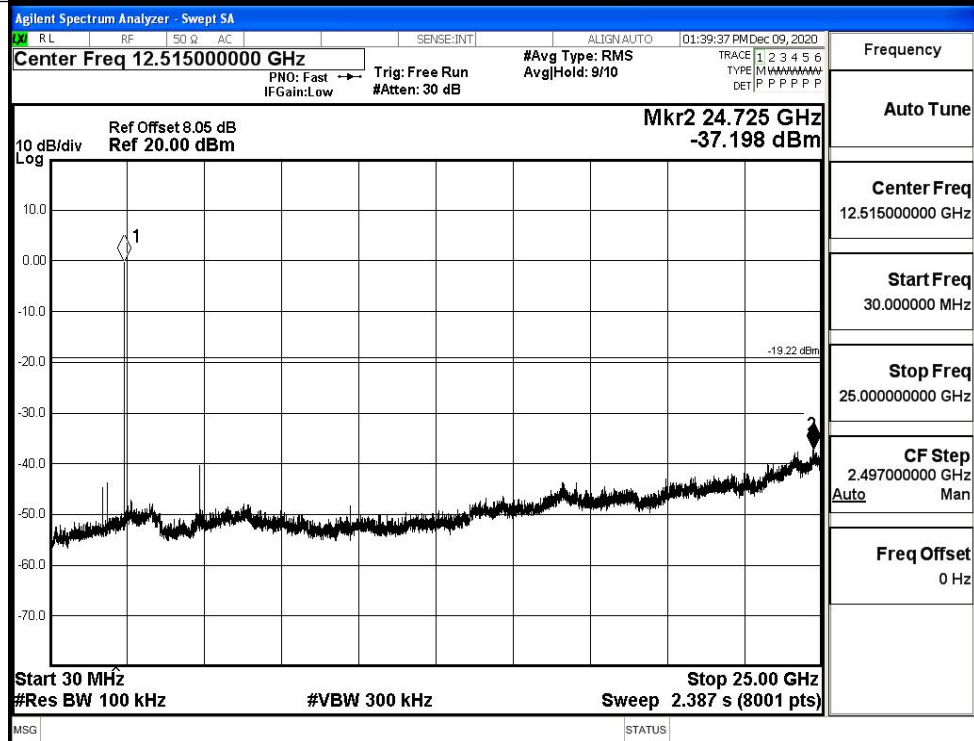


BT LE MCH Graphs

Pref/BT LE/MCH

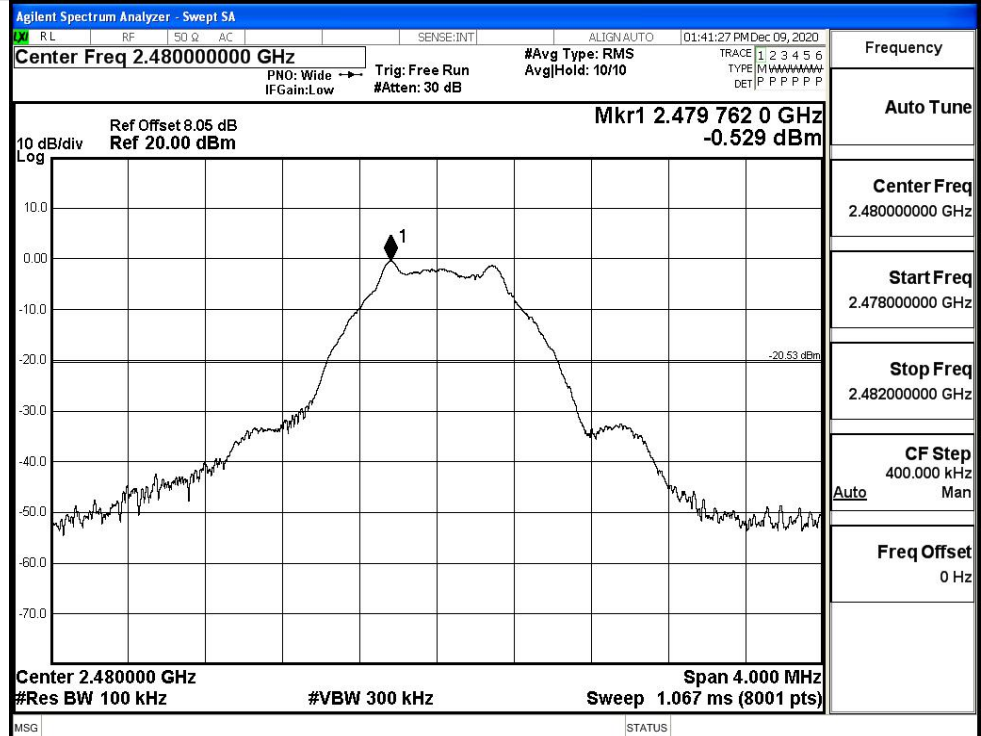


Puw/BT LE/MCH

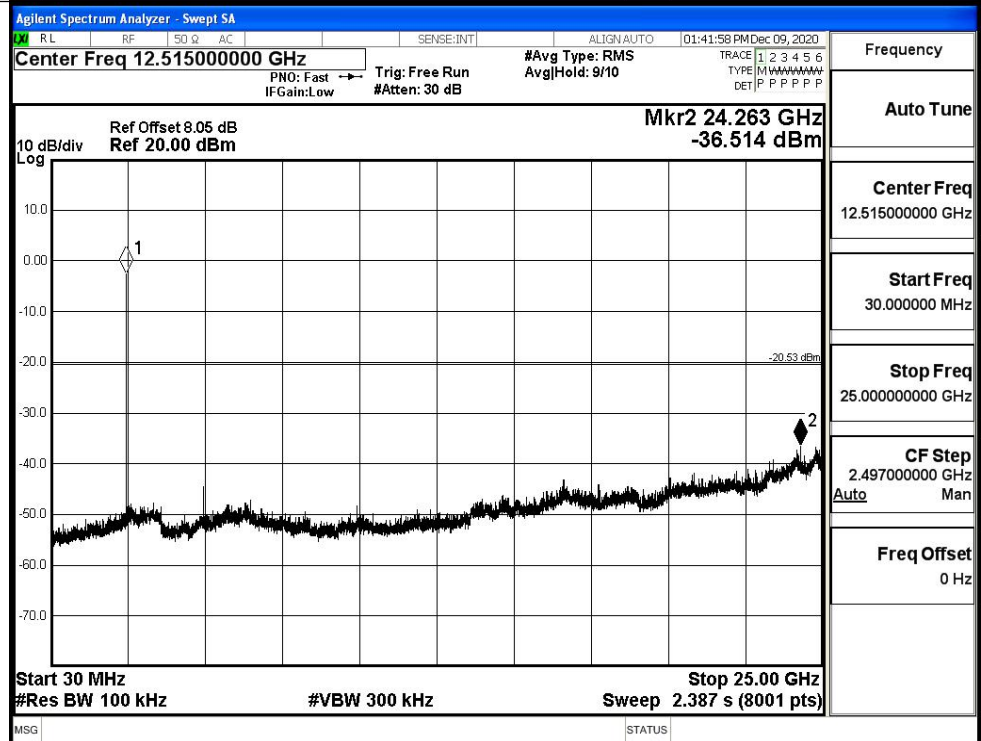


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

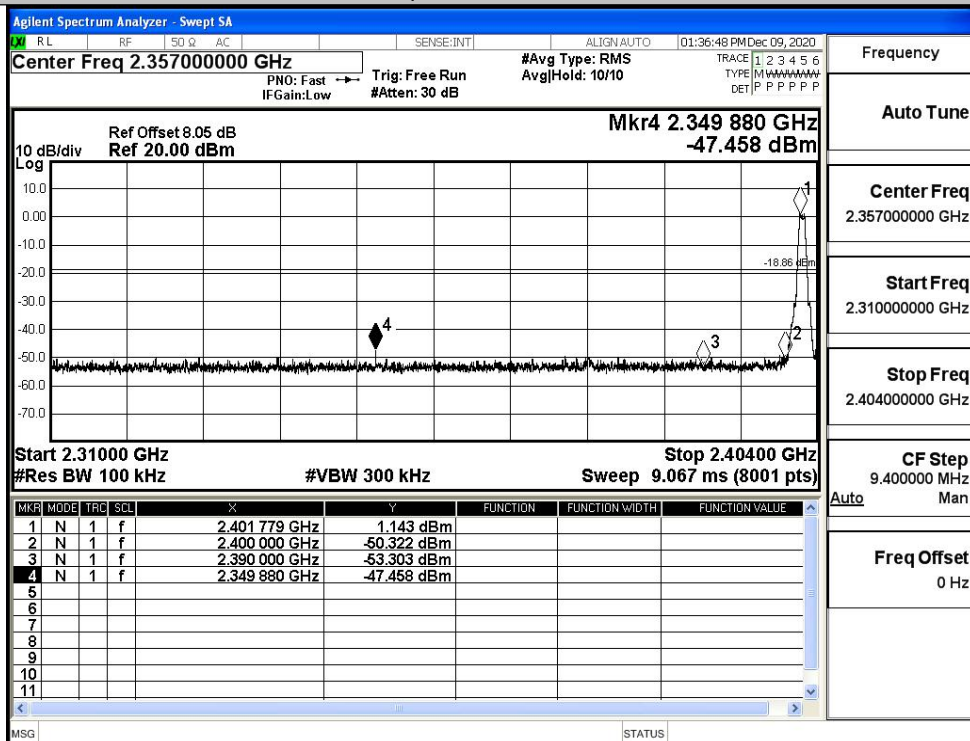


B.6 Band-edge for RF Conducted Emissions

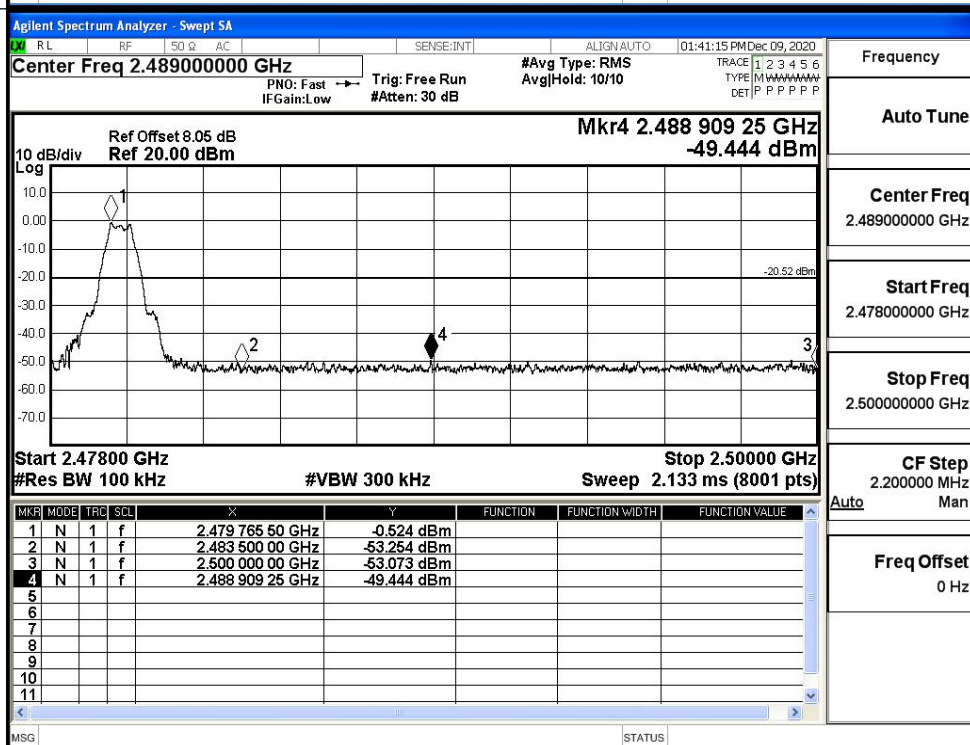
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	1.143	-47.458	-18.86	PASS
BT LE	HCH	-0.524	-49.444	-20.52	PASS

Test Graphs

LCH



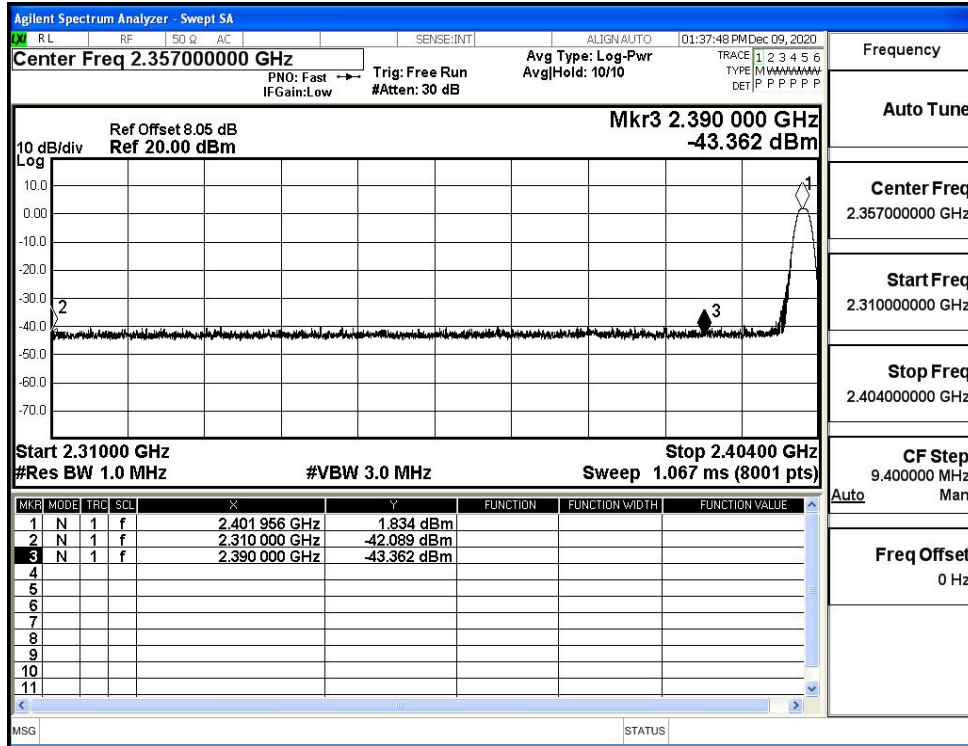
HCH



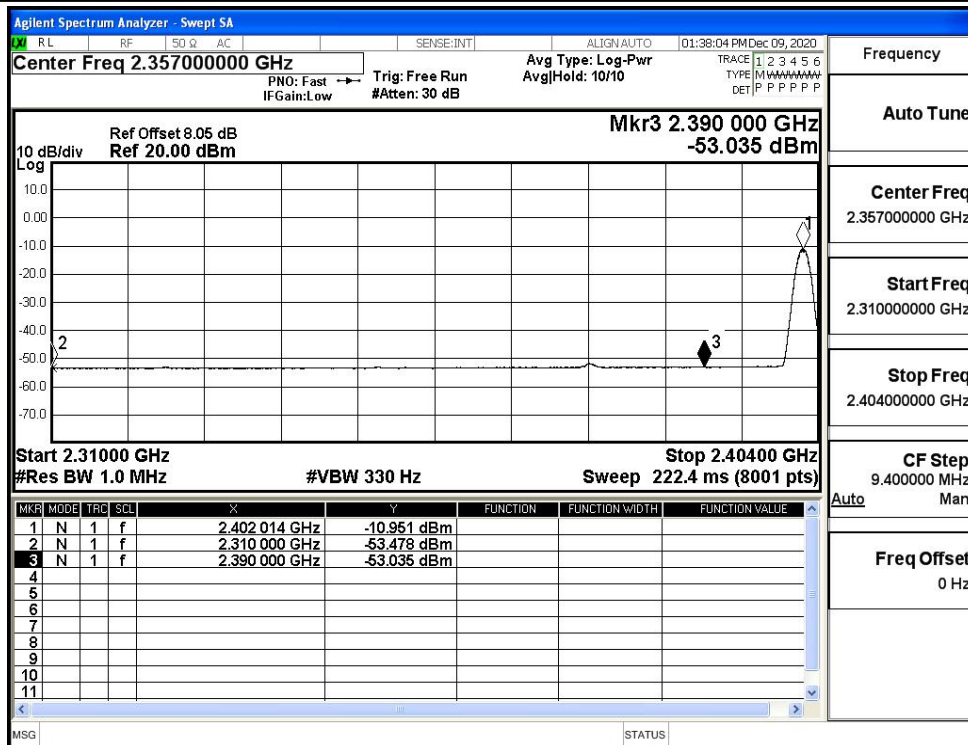
B.7 Restrict-band band-edge measurements

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	-42.09	3.19	0	56.33	PEAK	74	PASS
		Ant1	2310.0	-53.48	3.19	0	44.94	AV	54	PASS
		Ant1	2390.0	-43.36	3.19	0	55.06	PEAK	74	PASS
		Ant1	2390.0	-53.04	3.19	0	45.38	AV	54	PASS
	2480	Ant1	2483.5	-40.64	3.19	0	57.78	PEAK	74	PASS
		Ant1	2483.5	-52.47	3.19	0	45.95	AV	54	PASS
		Ant1	2500.0	-42.60	3.19	0	55.82	PEAK	74	PASS
		Ant1	2500.0	-52.35	3.19	0	46.07	AV	54	PASS

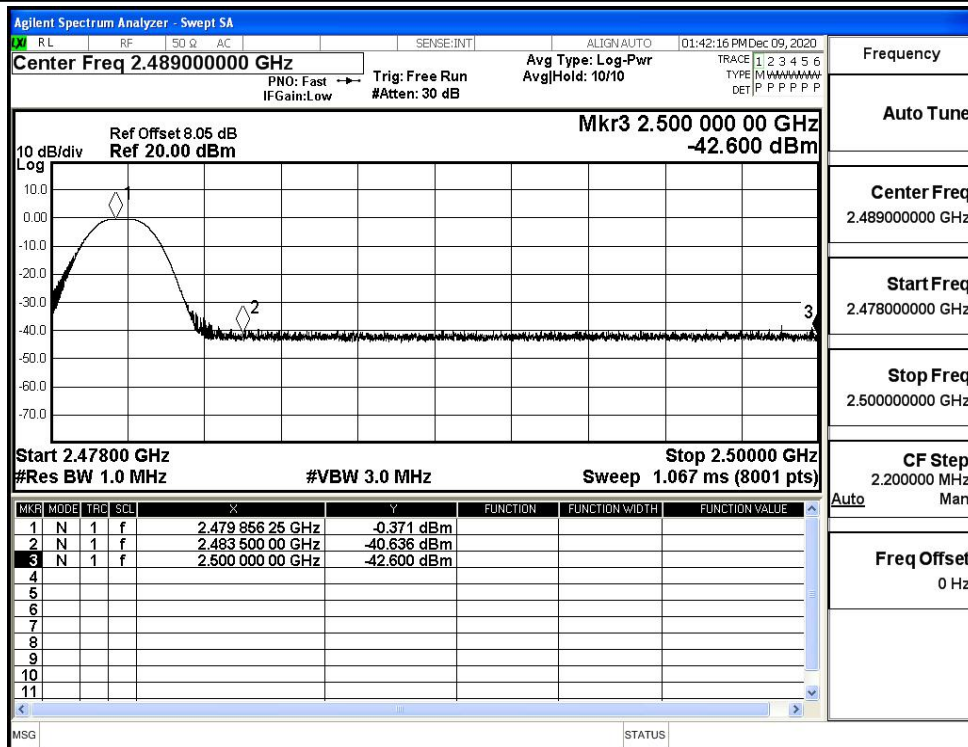
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

