

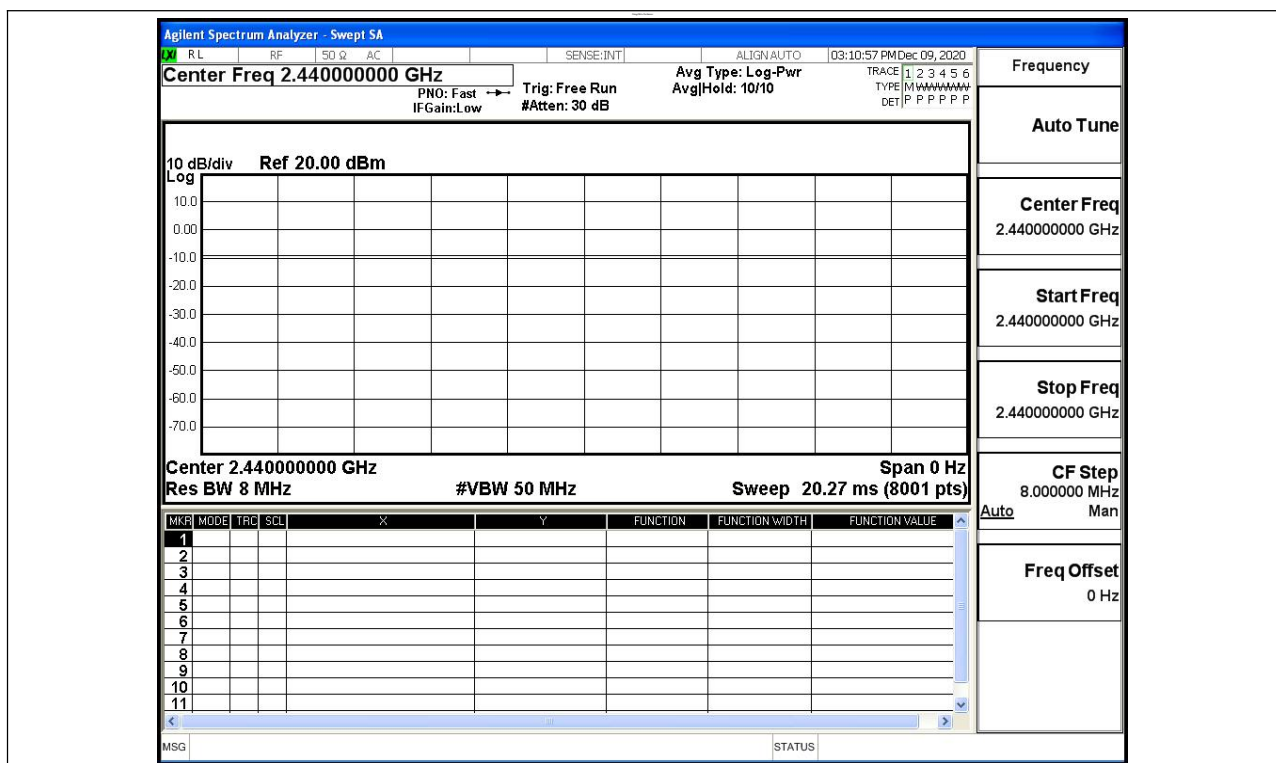
Appendix B
RF Test Data for BT V5.0(DTS) (Conducted Measurement)
Product Name: Wireless earbuds
Trade Mark: Origaudio
Test Model: Kronies

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

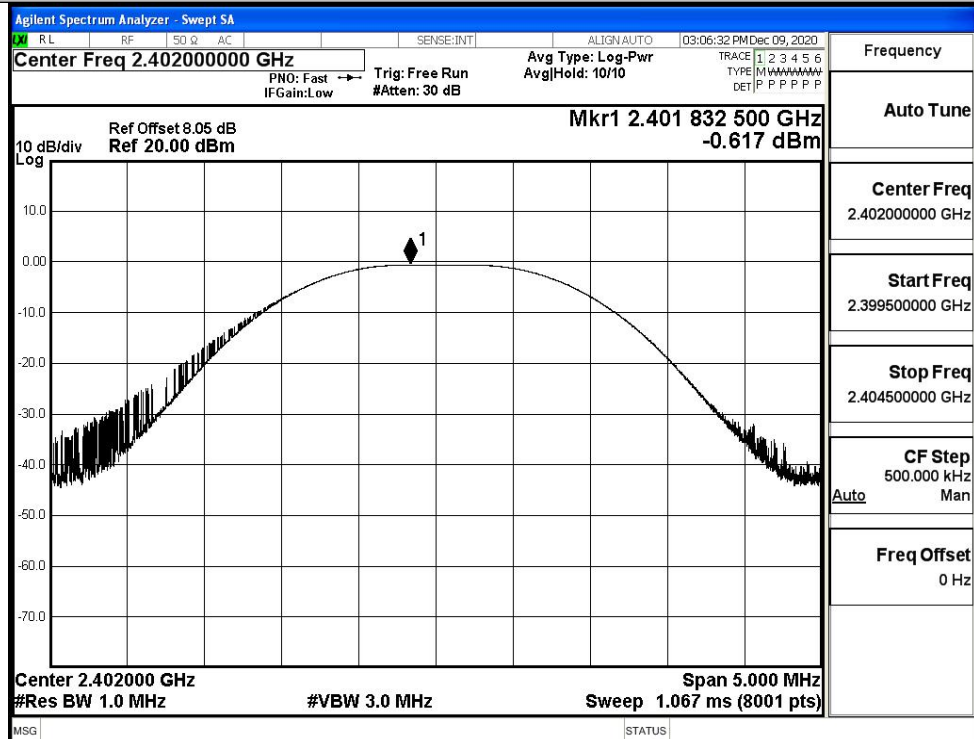


B.2 Maximum Conducted Peak Output Power

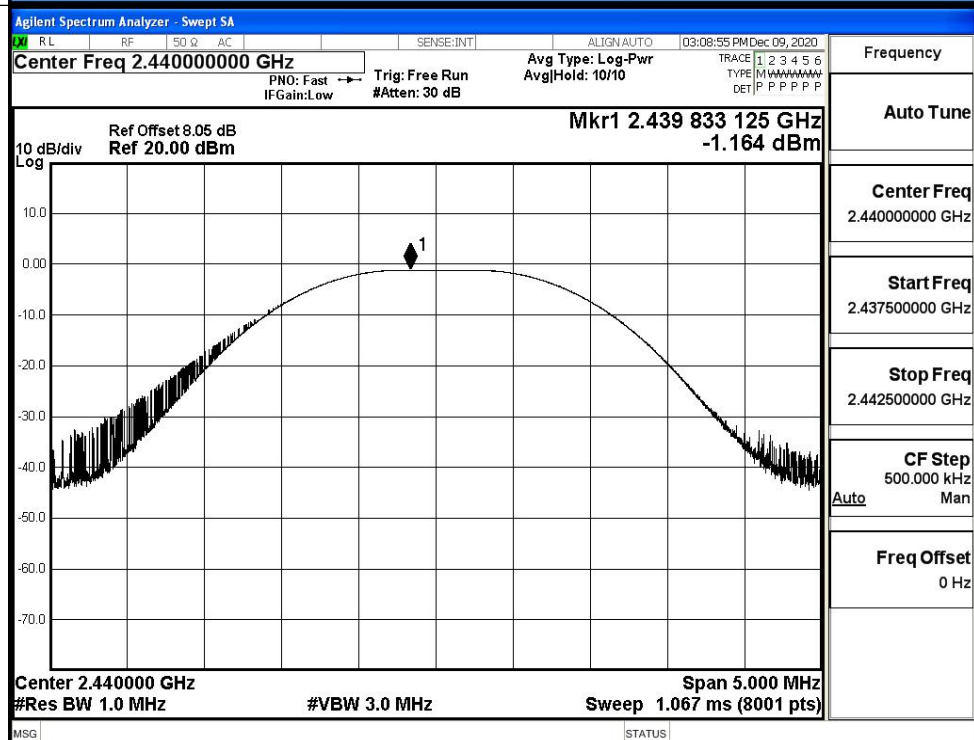
Mode	Channel	Conduct Peak Power[dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.617	30	PASS
BT LE	MCH	-1.164	30	PASS
BT LE	HCH	-2.708	30	PASS

Test Graphs

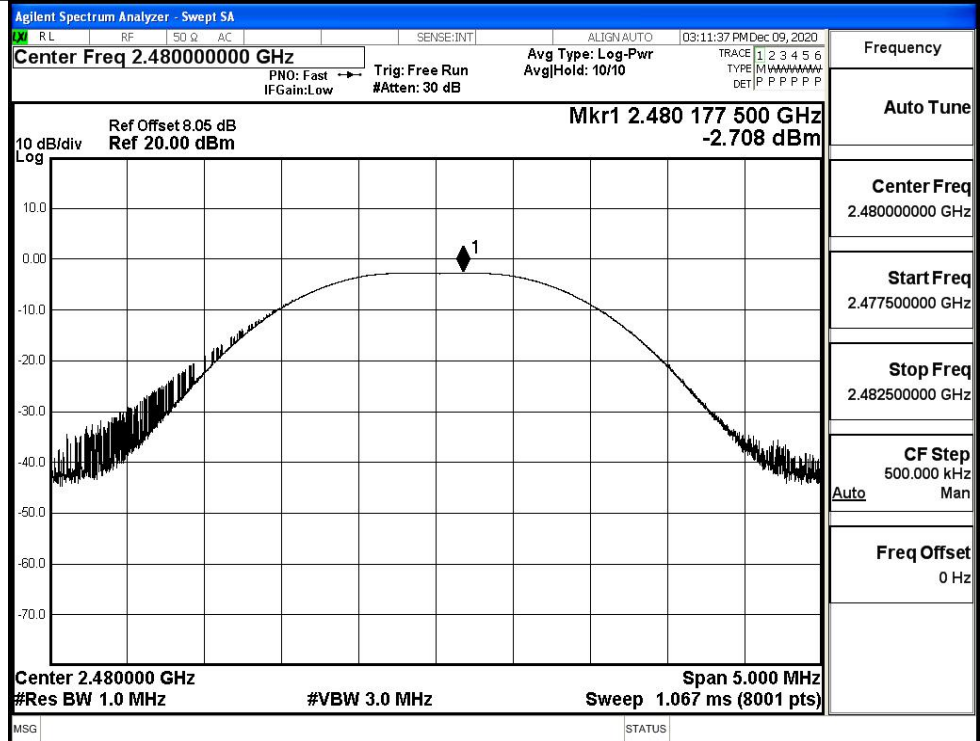
LCH



MCH



HCH

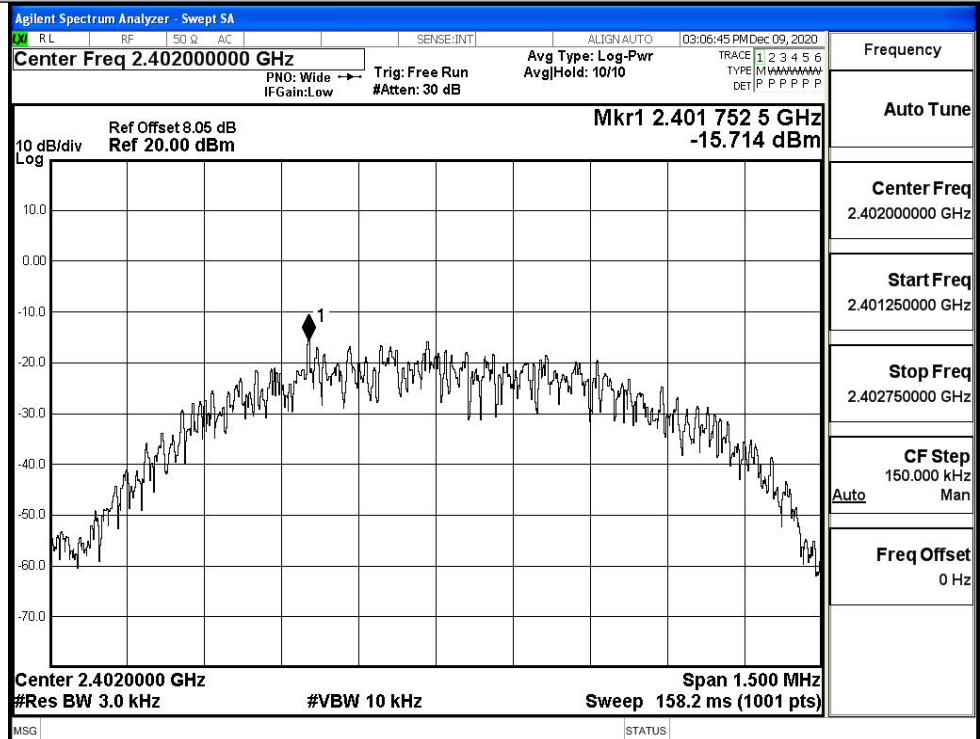


B.3 Maximum Power Spectral Density

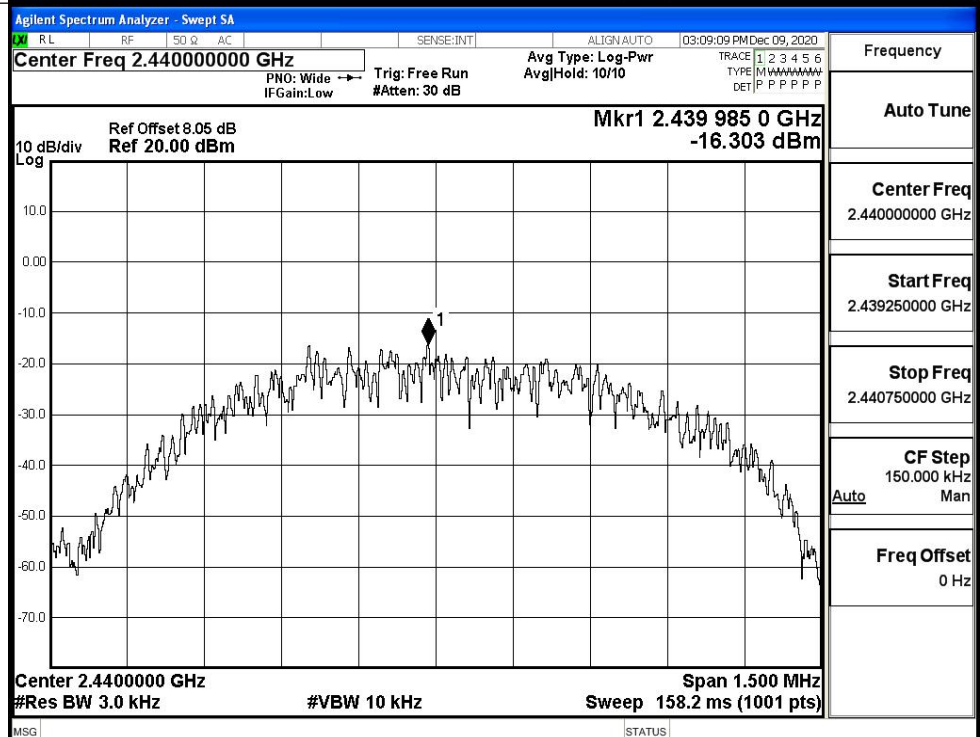
Mode	Channel	PSD [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
BT LE	LCH	-15.714	8	PASS
BT LE	MCH	-16.303	8	PASS
BT LE	HCH	-17.794	8	PASS

Test Graphs

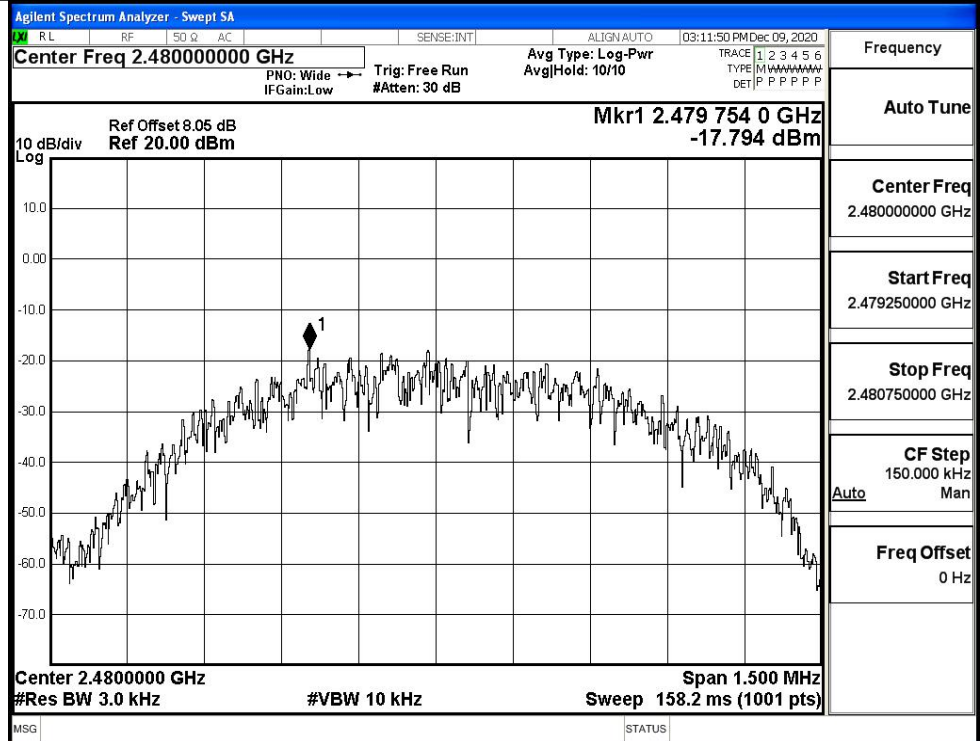
LCH



MCH



HCH

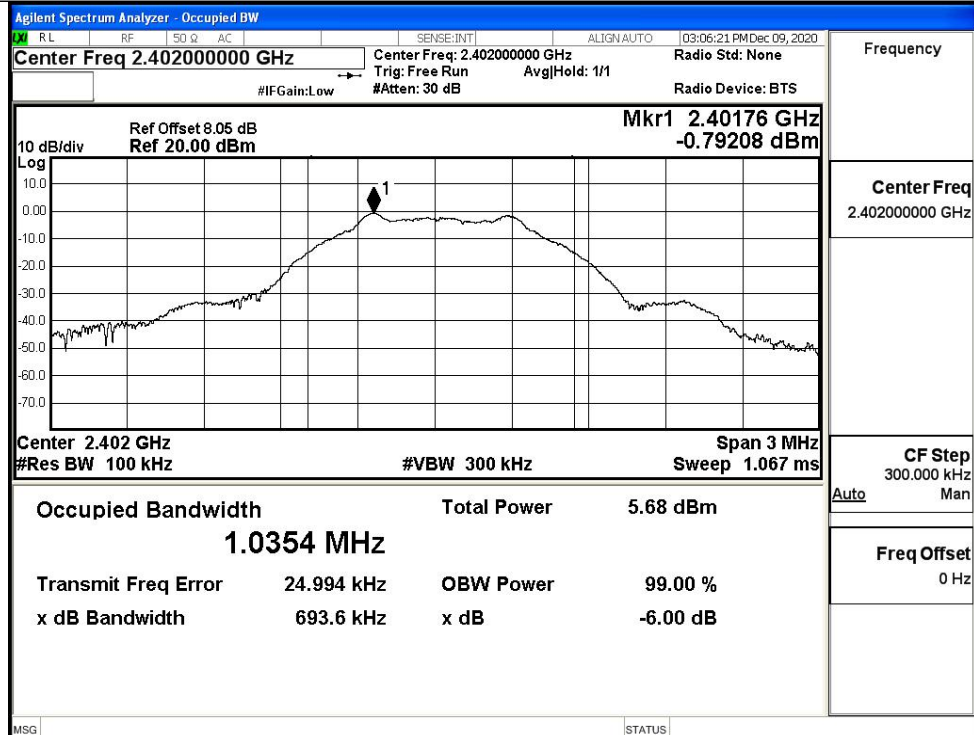


B.4 6dB Bandwidth

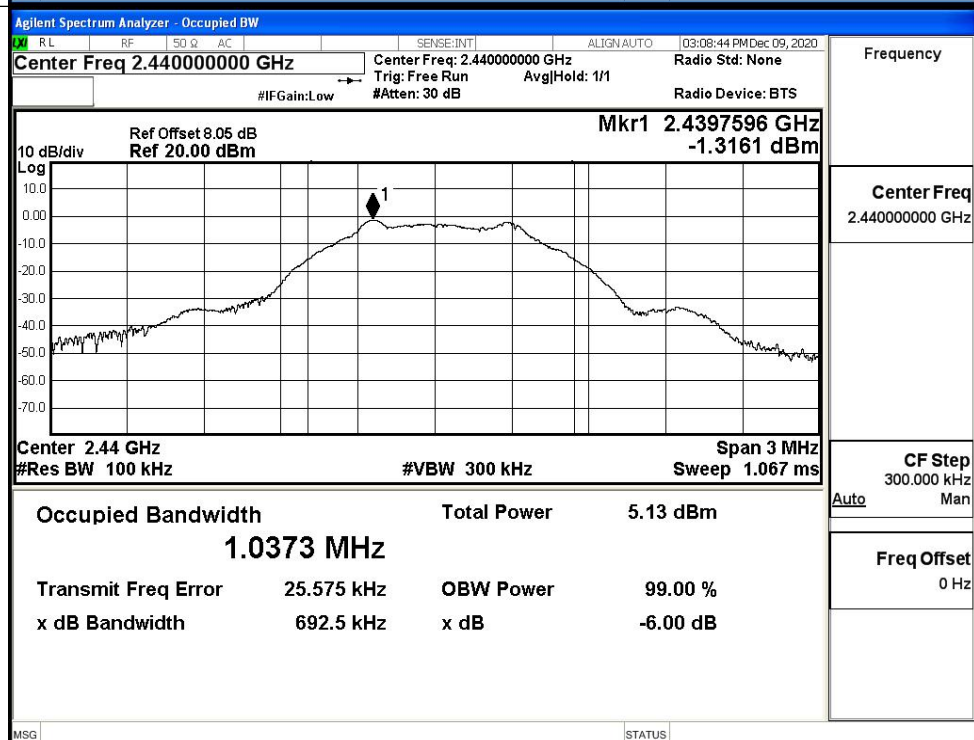
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
BT LE	LCH	0.6936	≥ 0.5	PASS
BT LE	MCH	0.6925	≥ 0.5	PASS
BT LE	HCH	0.6889	≥ 0.5	PASS

Test Graphs

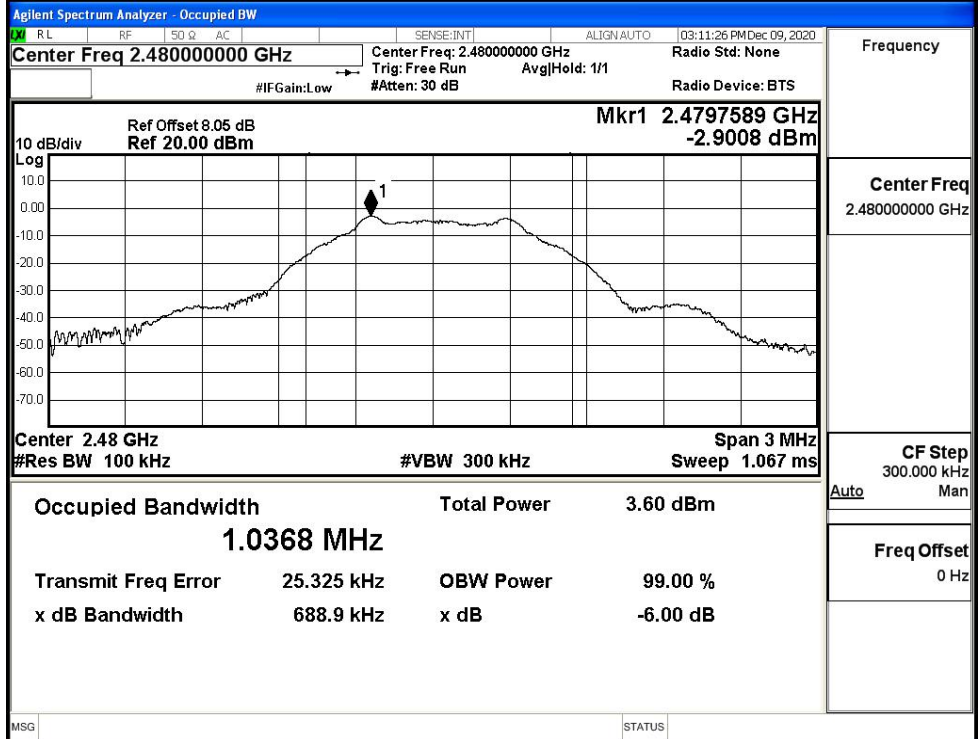
LCH



MCH



HCH

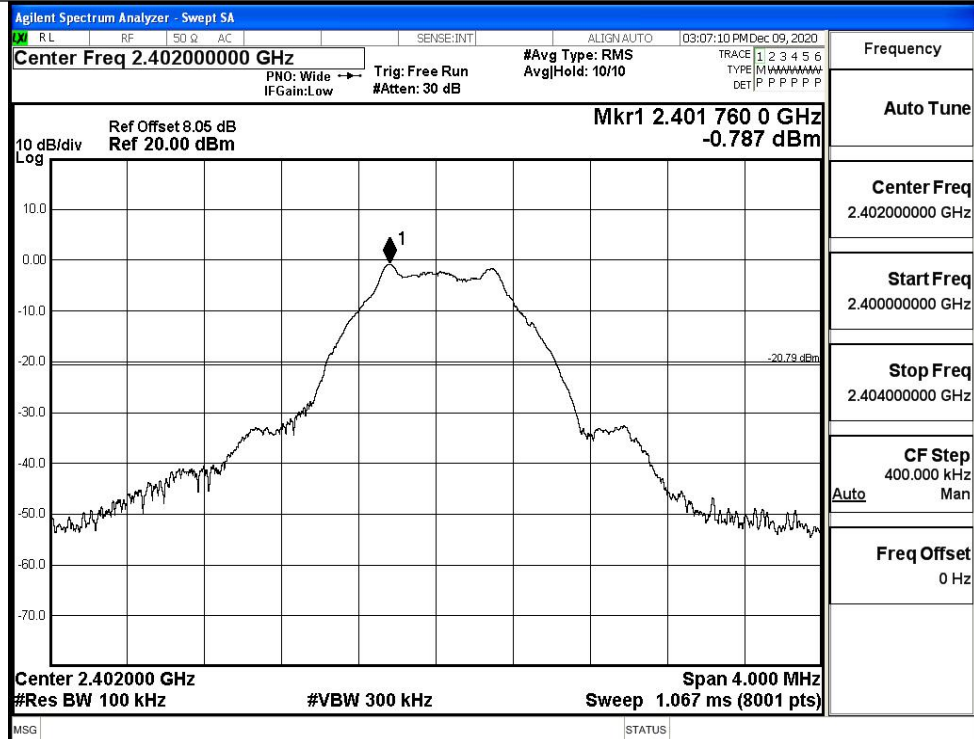


B.5 RF Conducted Spurious Emissions

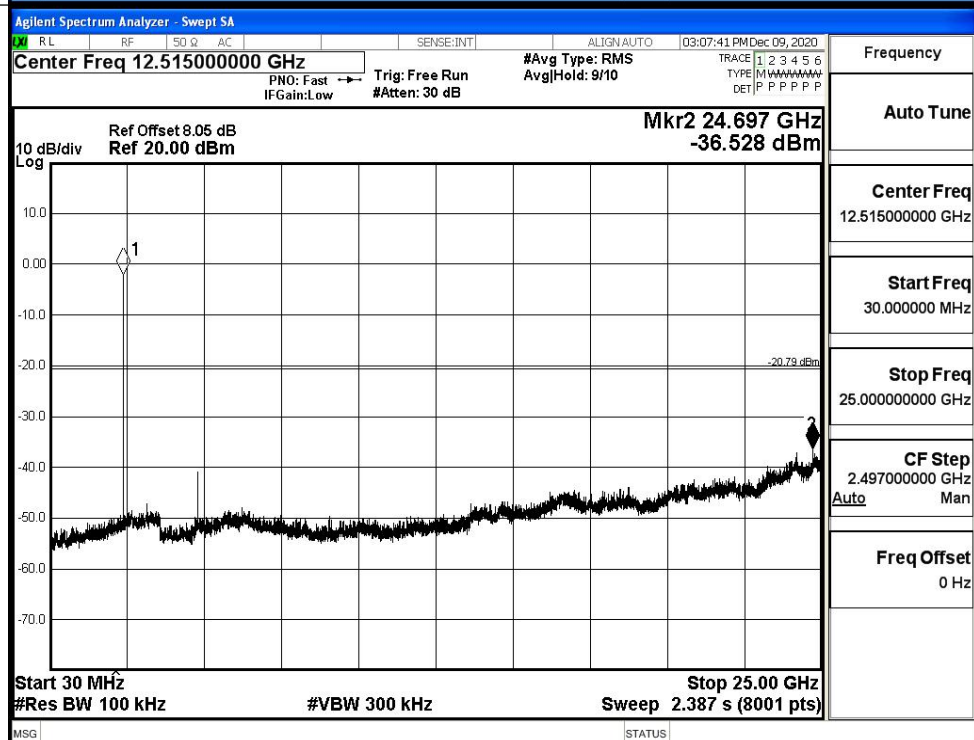
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.787	-36.528	-20.787	PASS
BT LE	MCH	-1.365	-37.695	-21.365	PASS
BT LE	HCH	-2.888	-36.851	-22.888	PASS

BT LE_LCH_Graphs

Pref/BT LE/LCH

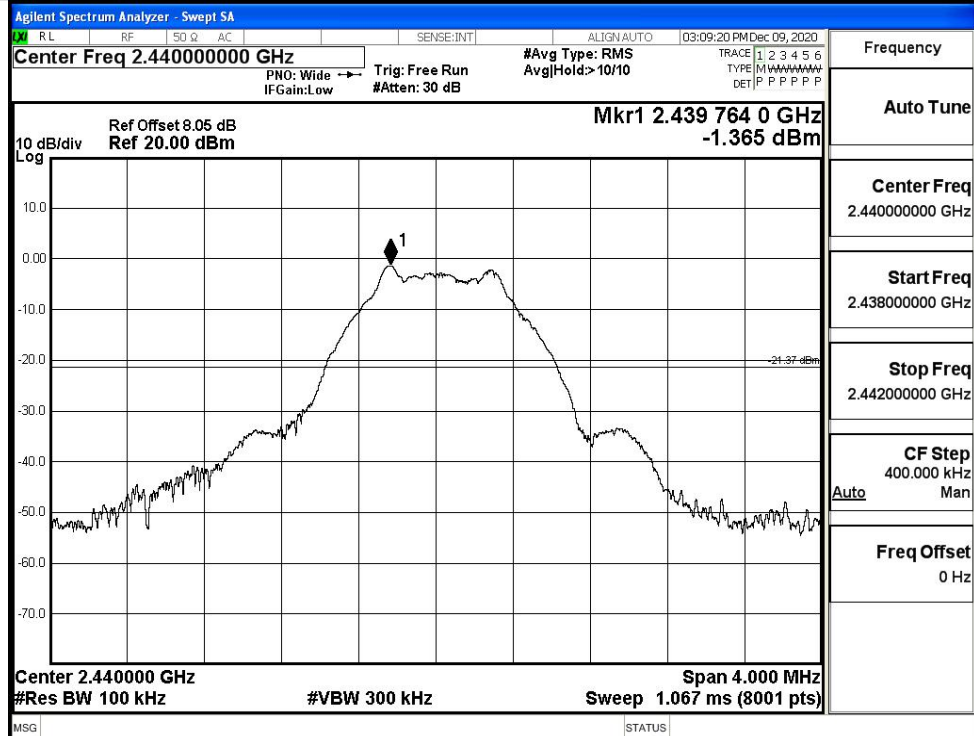


Puw/BT LE/LCH

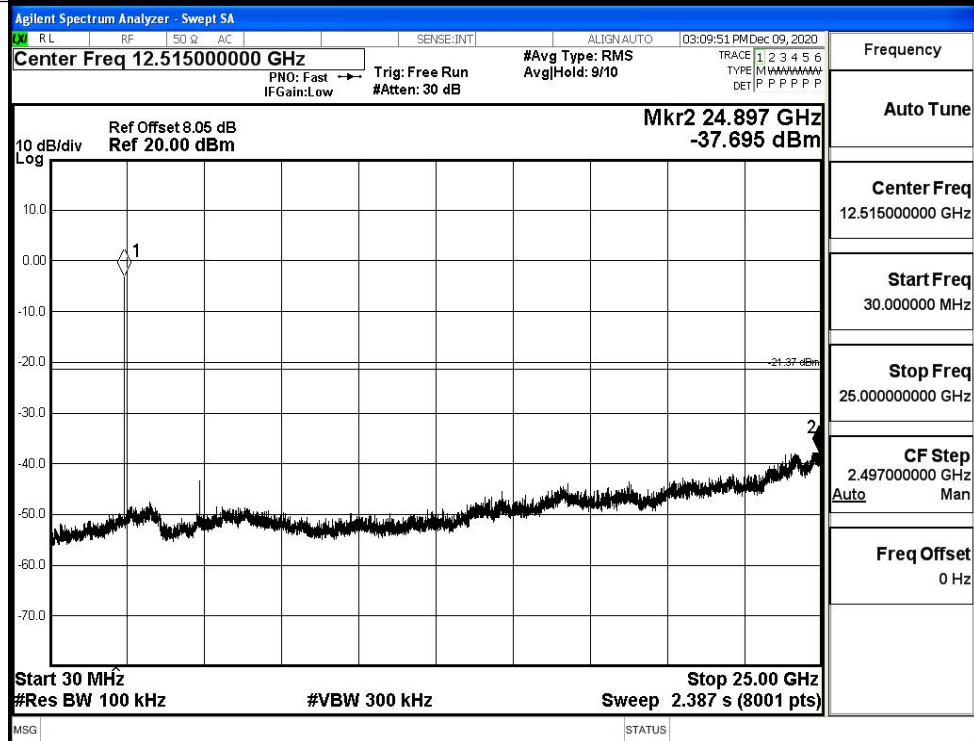


BT LE MCH Graphs

Pref/BT LE/MCH

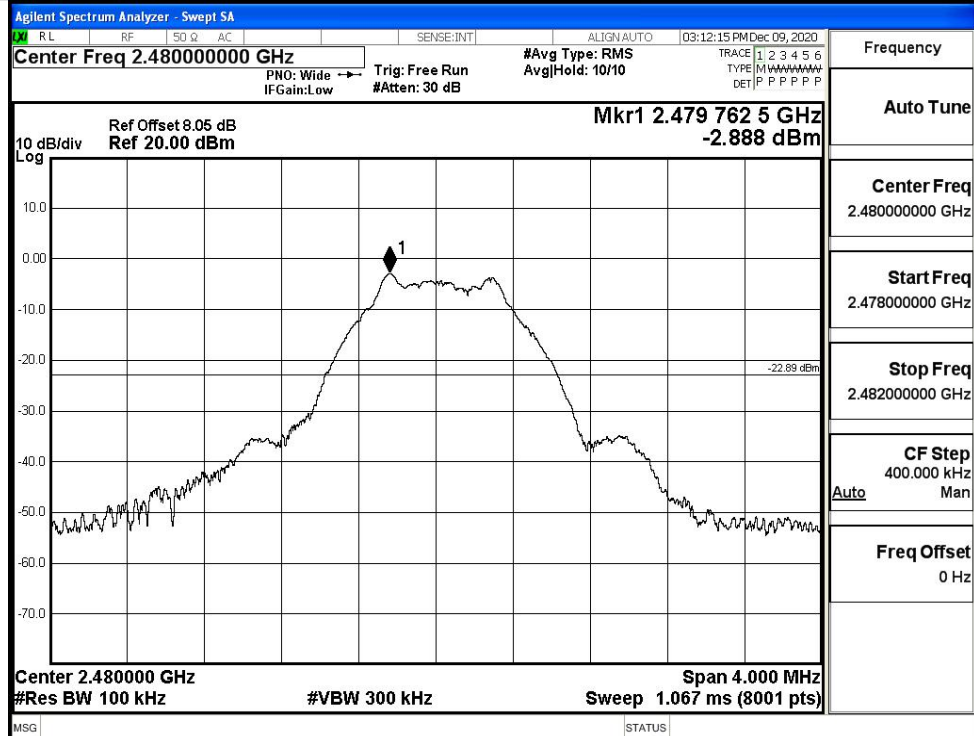


Puw/BT LE/MCH

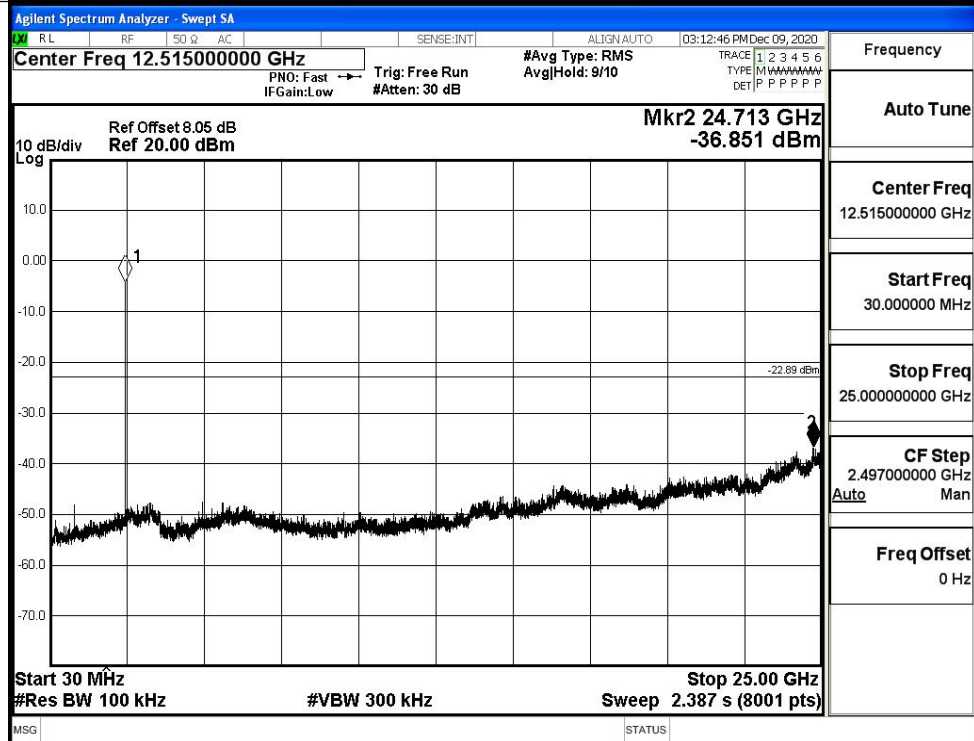


BT LE HCH Graphs

Pref/BT LE/HCH



Puw/BT LE/HCH

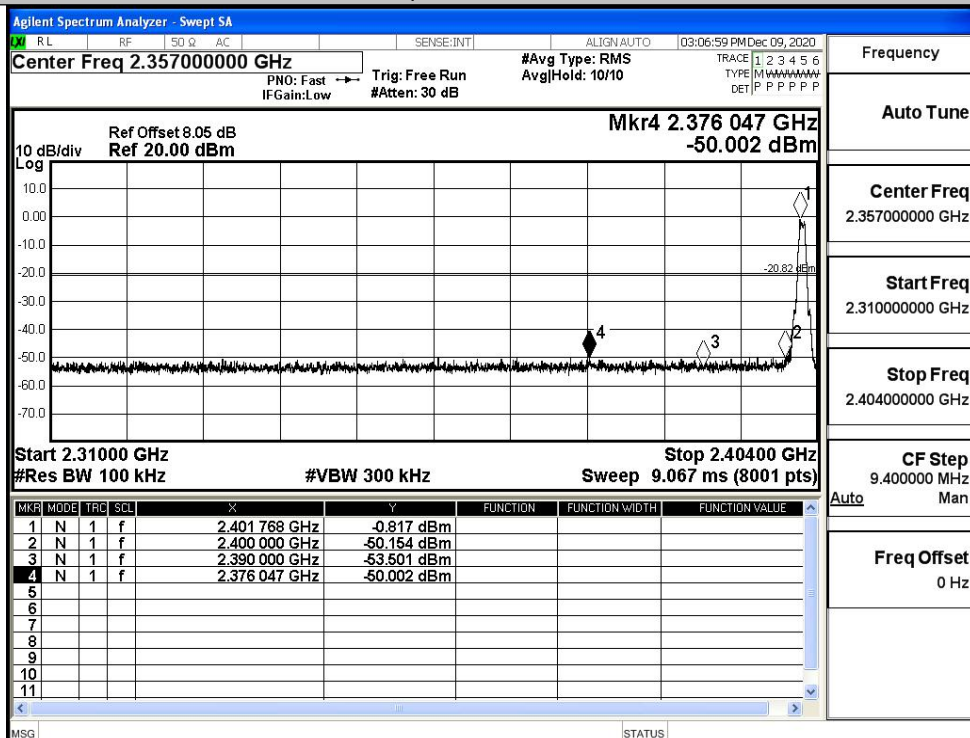


B.6 Band-edge for RF Conducted Emissions

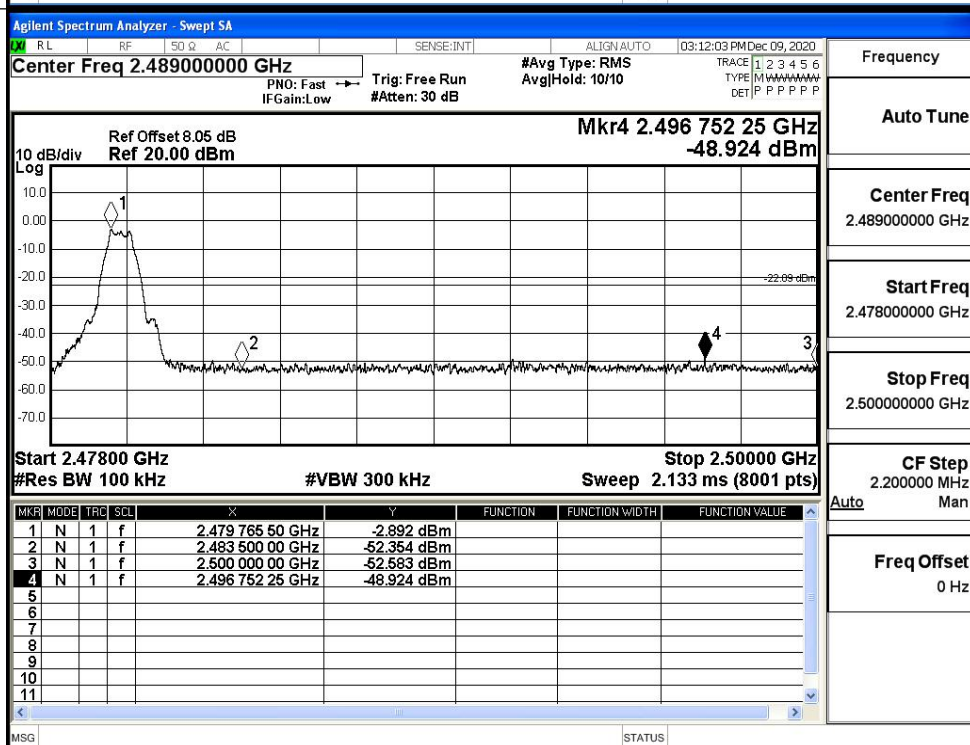
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	LCH	-0.817	-50.002	-20.82	PASS
BT LE	HCH	-2.892	-48.924	-22.89	PASS

Test Graphs

LCH



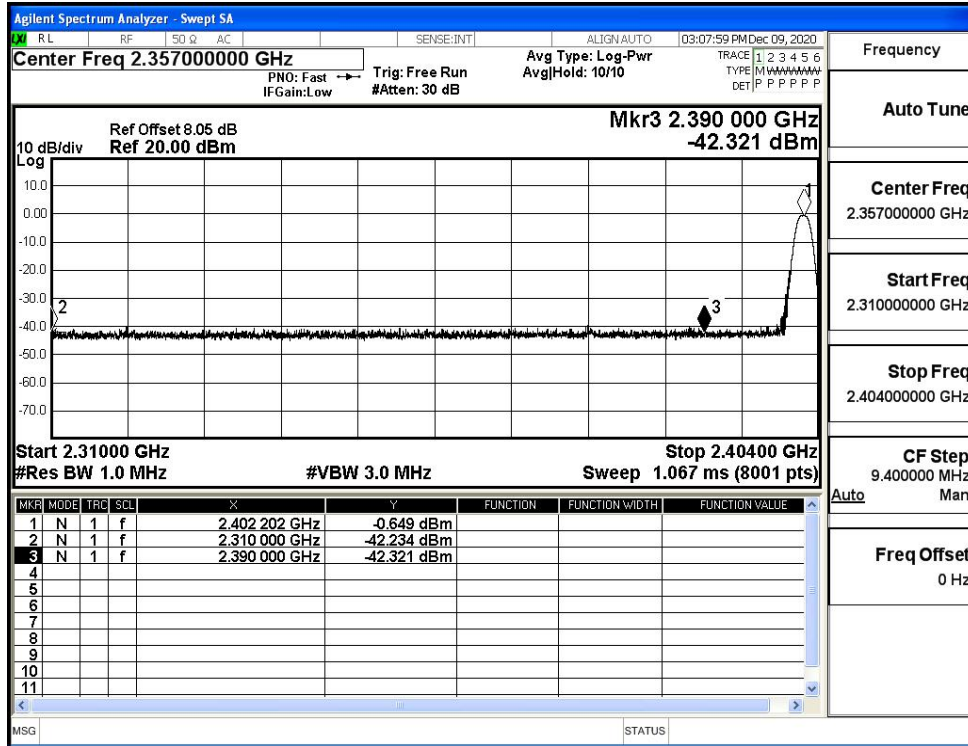
HCH



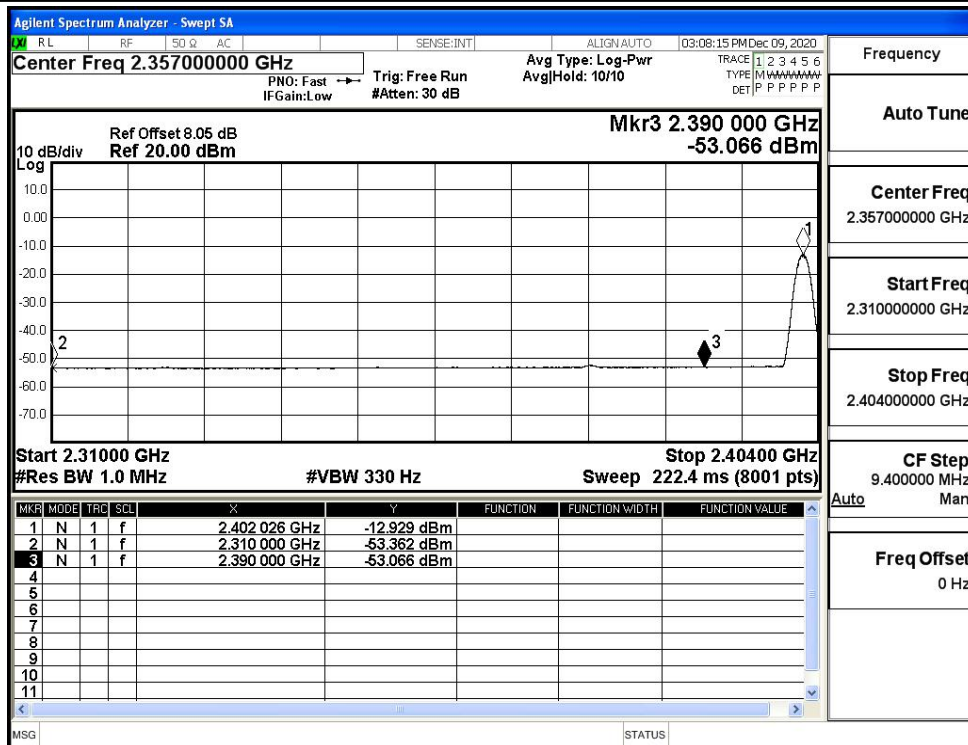
B.7 Restrict-band band-edge measurements

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	-42.23	3.19	0	56.19	PEAK	74	PASS
		Ant1	2310.0	-53.36	3.19	0	45.06	AV	54	PASS
		Ant1	2390.0	-42.32	3.19	0	56.10	PEAK	74	PASS
		Ant1	2390.0	-53.07	3.19	0	45.35	AV	54	PASS
	2480	Ant1	2483.5	-43.37	3.19	0	55.05	PEAK	74	PASS
		Ant1	2483.5	-52.53	3.19	0	45.89	AV	54	PASS
		Ant1	2500.0	-42.21	3.19	0	56.21	PEAK	74	PASS
		Ant1	2500.0	-52.32	3.19	0	46.10	AV	54	PASS

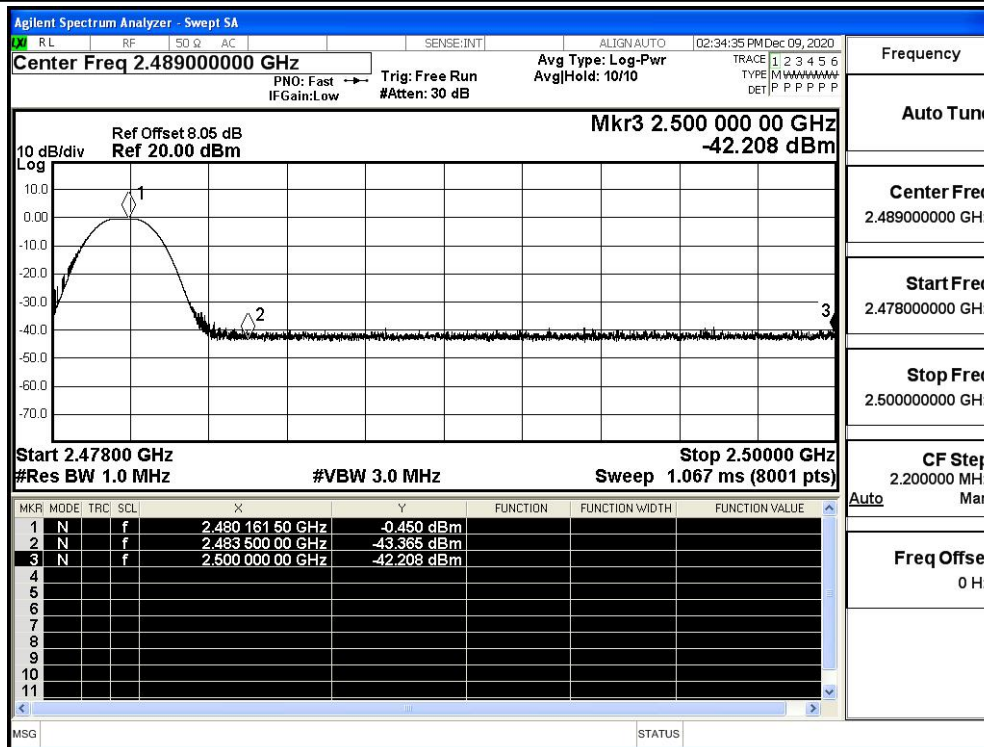
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

