

Appendix B
RF Test Data for BT V4.0(BT LE) (Conducted Measurement)

Product Name: Mishiko Collar

Trade Mark: MISHIKO

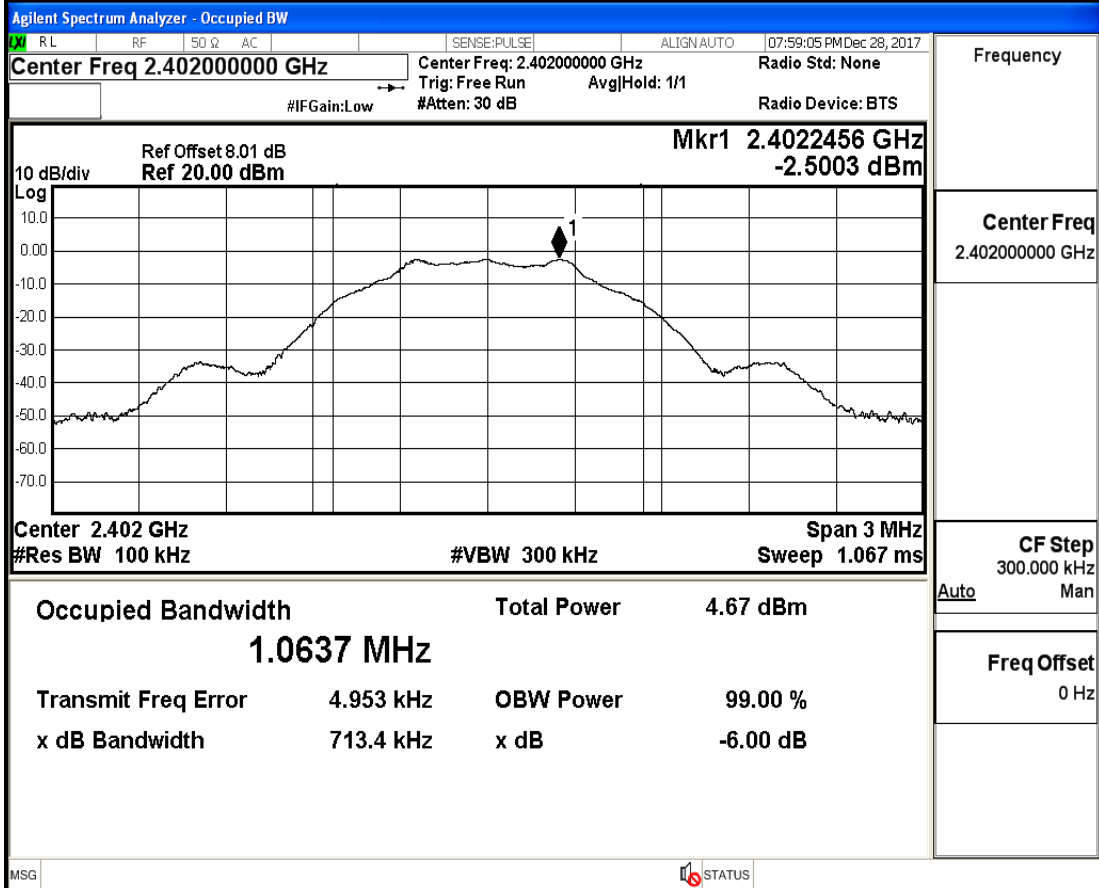
Test Model: M103

FCC ID: 2AID9M103

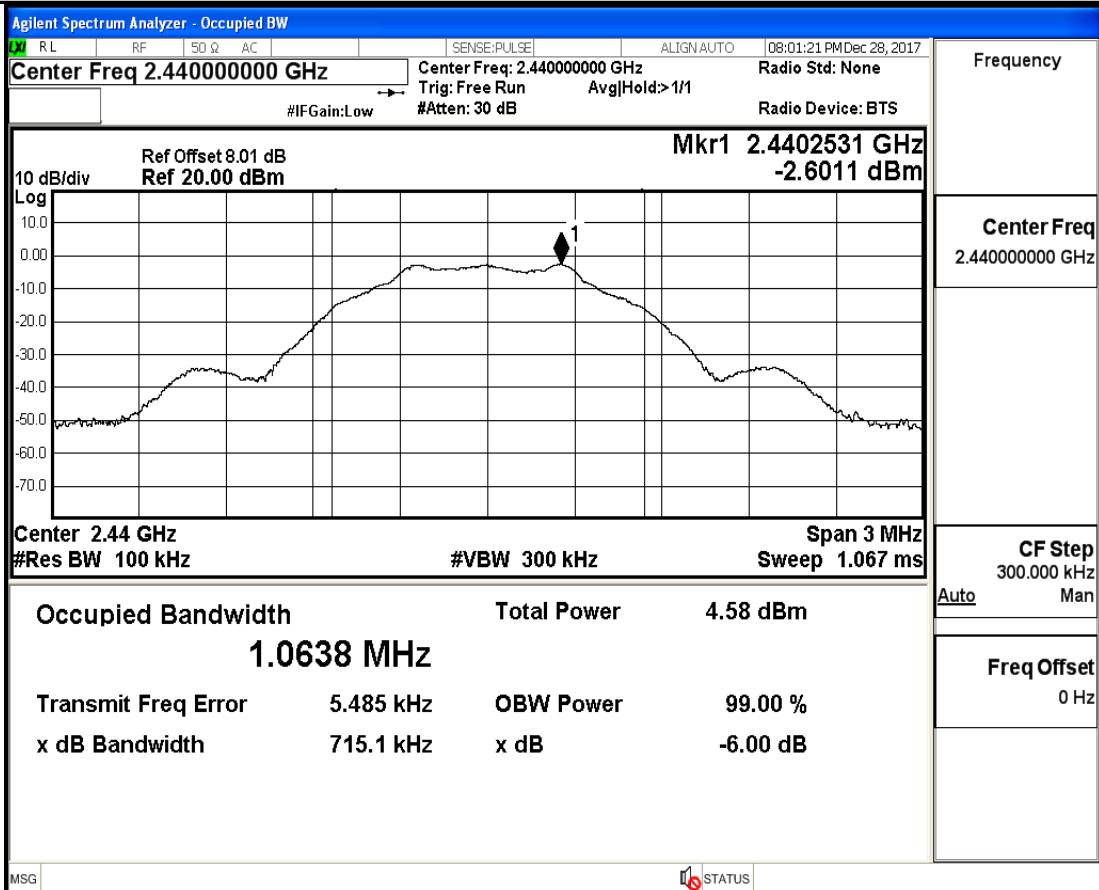
B.1 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BT LE	2402	Ant1	0.7134	0.5	PASS
BT LE	2440	Ant1	0.7151	0.5	PASS
BT LE	2480	Ant1	0.7101	0.5	PASS

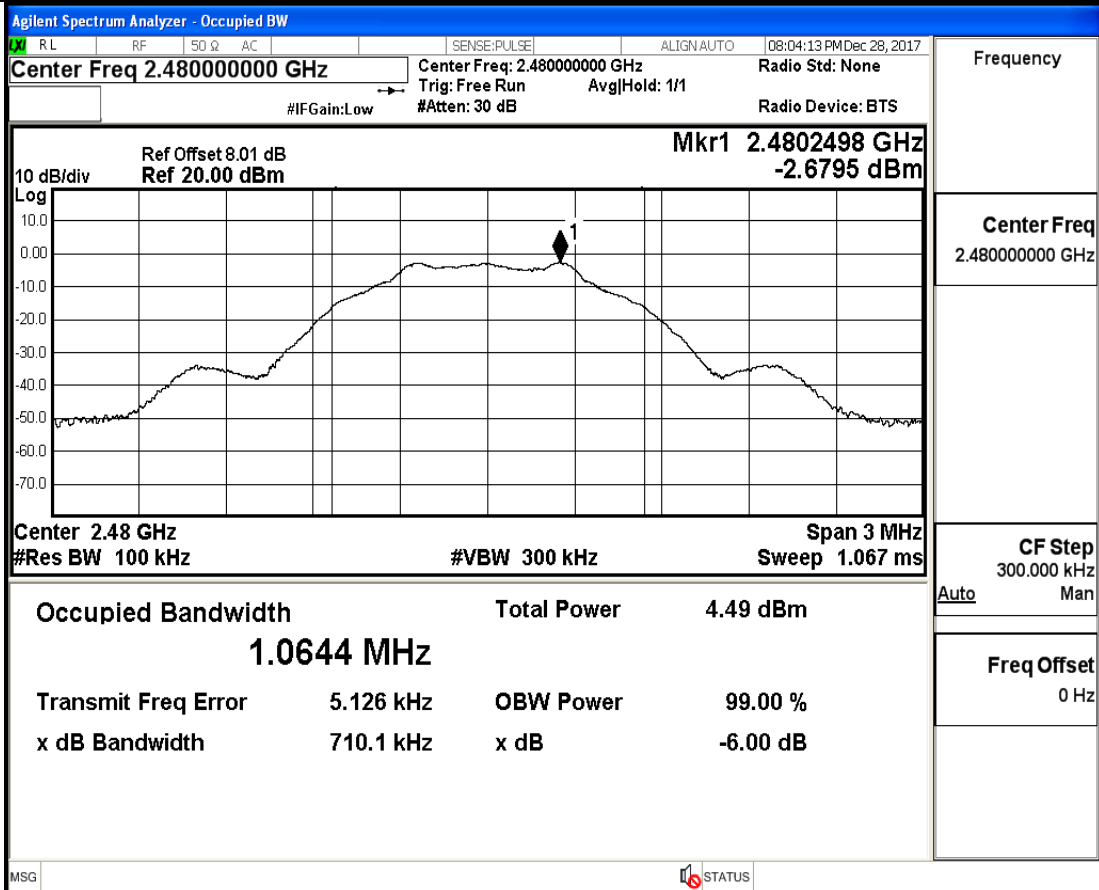
6dB Bandwidth_BT LE_2402_Ant1



6dB Bandwidth_BT LE_2440_Ant1



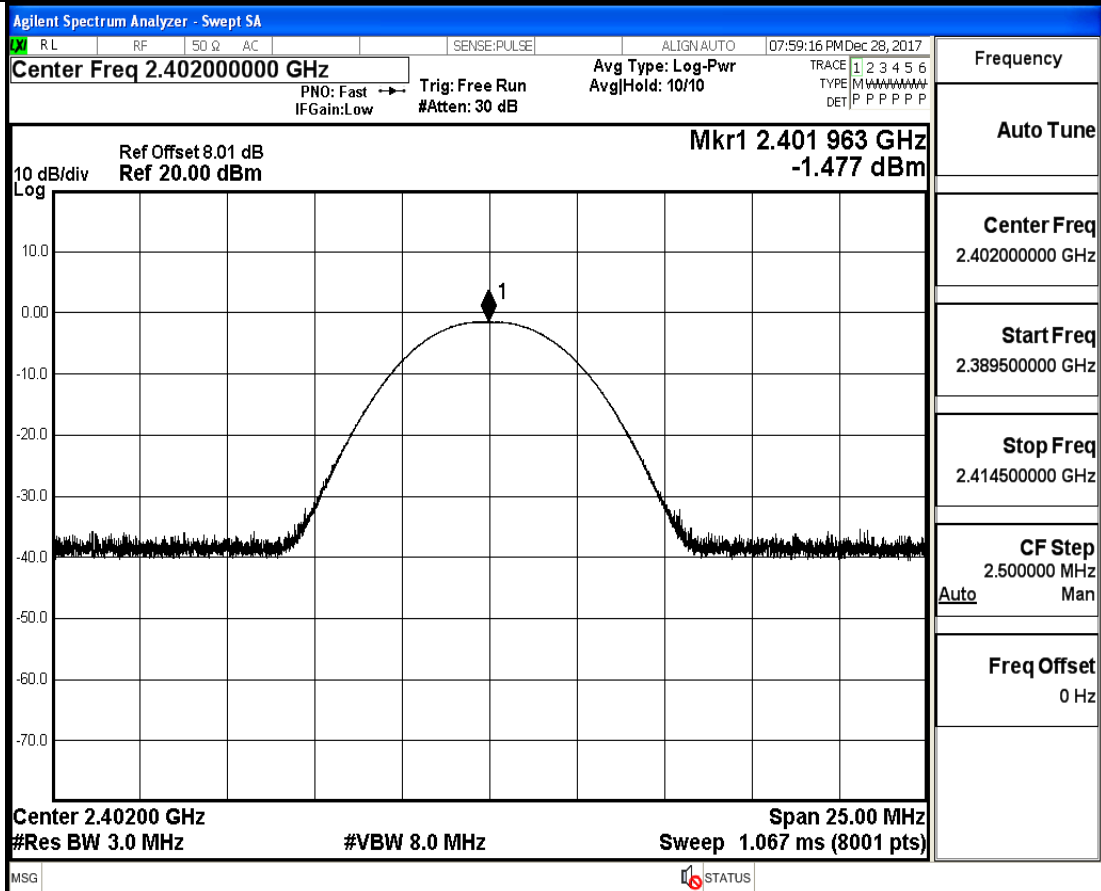
6dB Bandwidth_BT LE_2480_Ant1



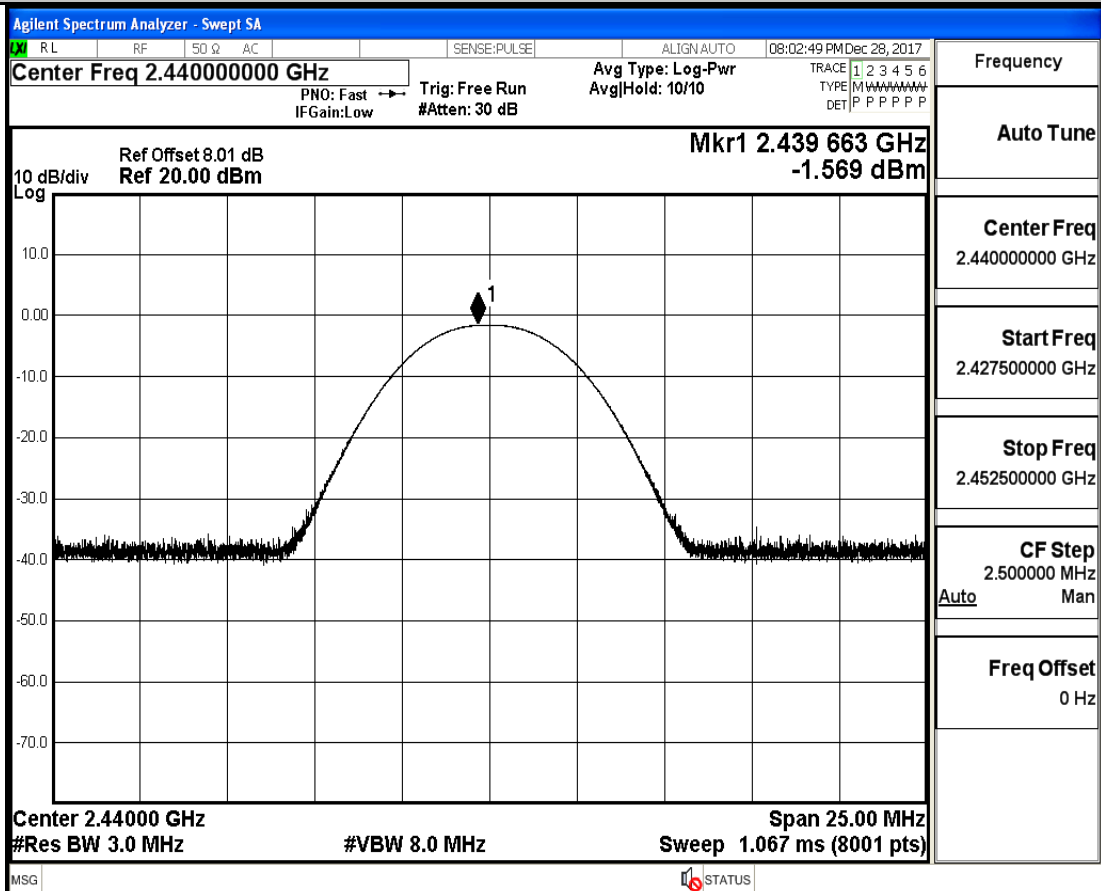
B.2 Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BT LE	2402	Ant1	-1.477	30	PASS
BT LE	2440	Ant1	-1.569	30	PASS
BT LE	2480	Ant1	-1.658	30	PASS

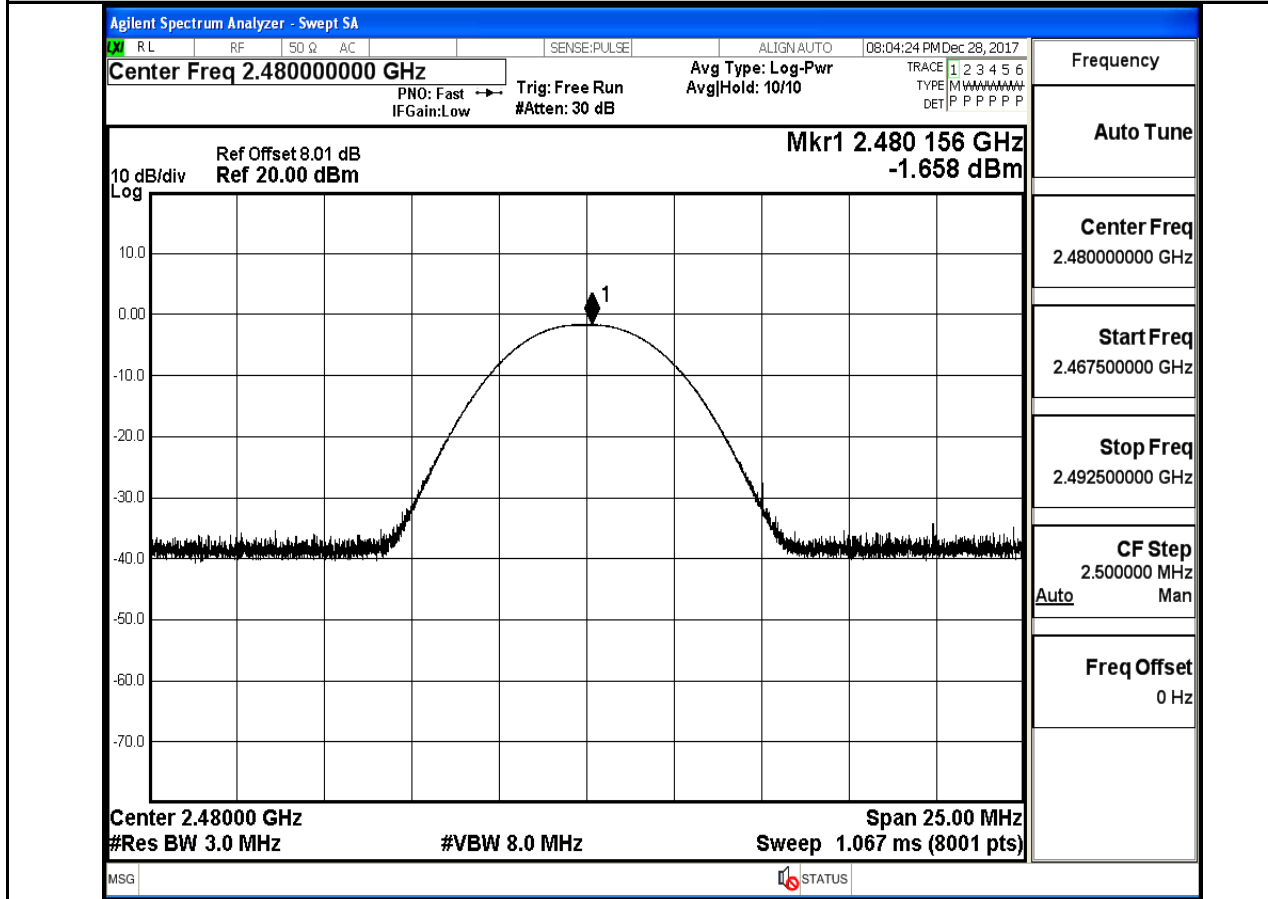
Maximum peak conducted output power_BT LE_2402_Ant1



Maximum peak conducted output power_BT LE_2440_Ant1



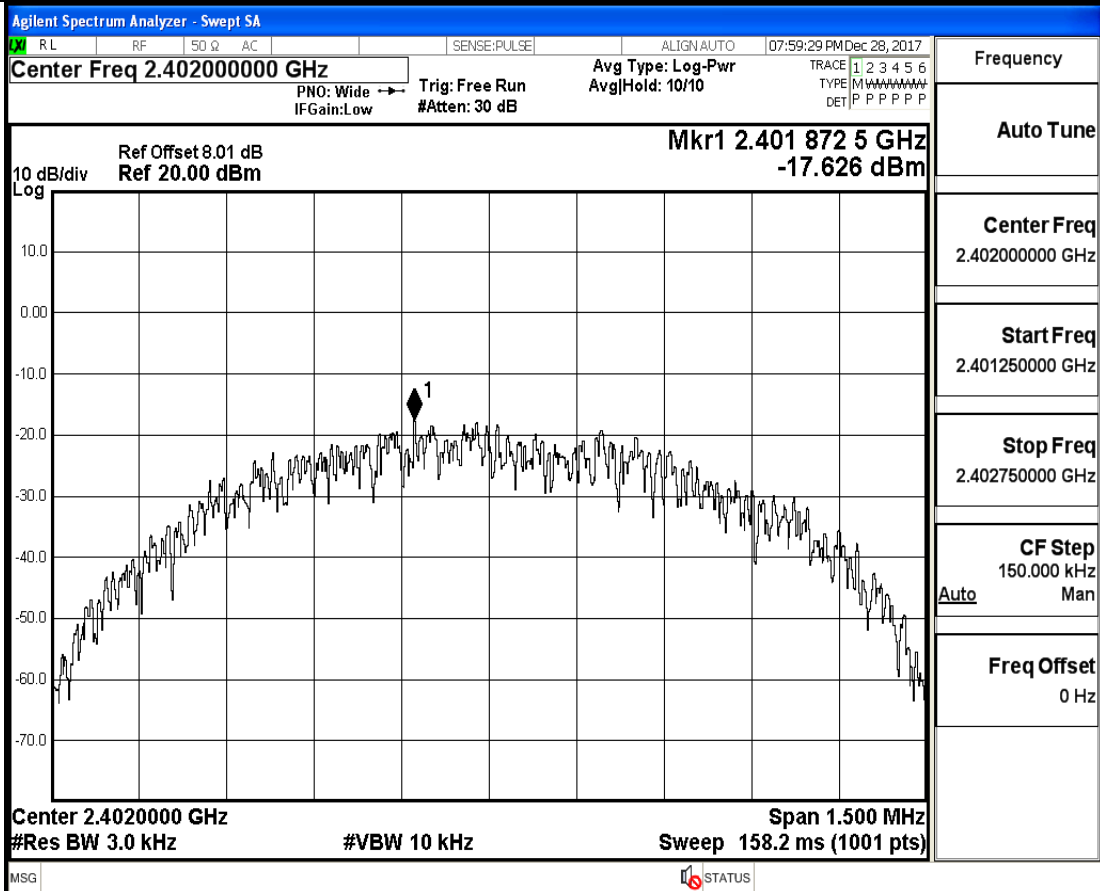
Maximum peak conducted output power_BT LE_2480_Ant1



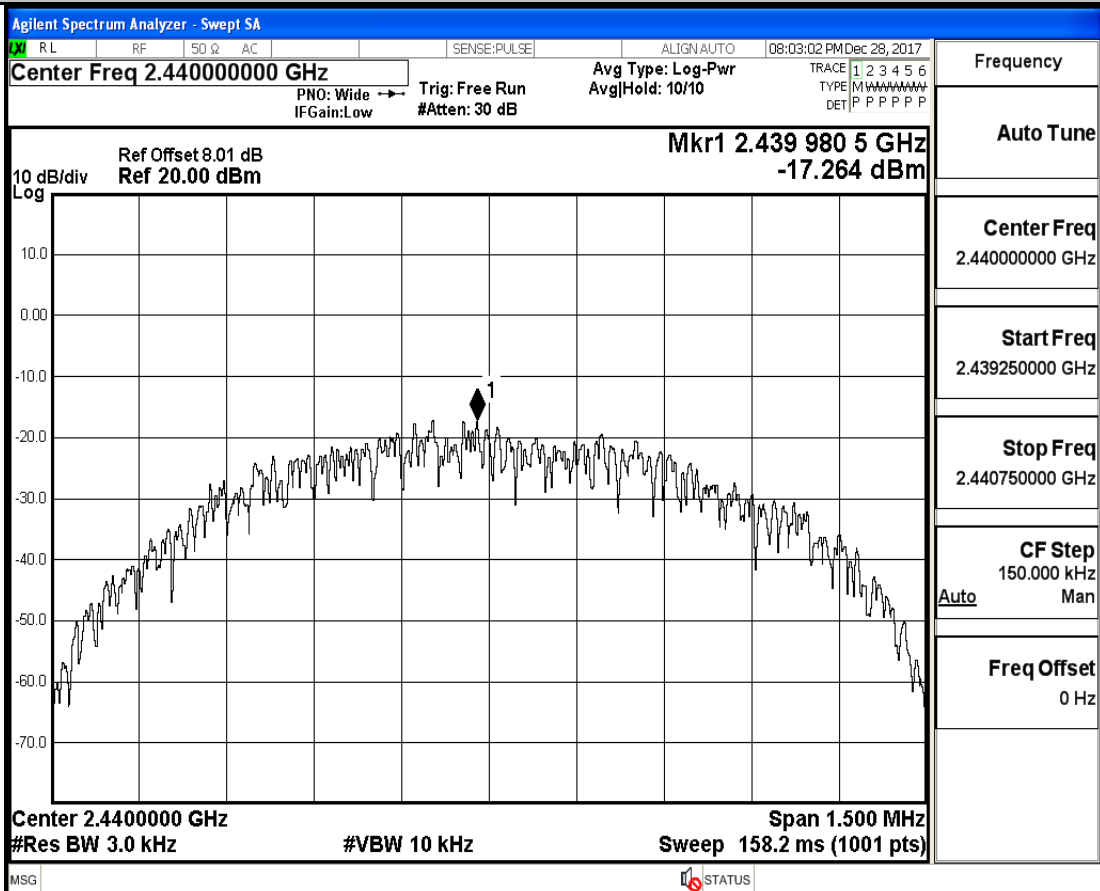
B.3 Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BT LE	2402	Ant1	-17.626	8.00	PASS
BT LE	2440	Ant1	-17.264	8.00	PASS
BT LE	2480	Ant1	-17.44	8.00	PASS

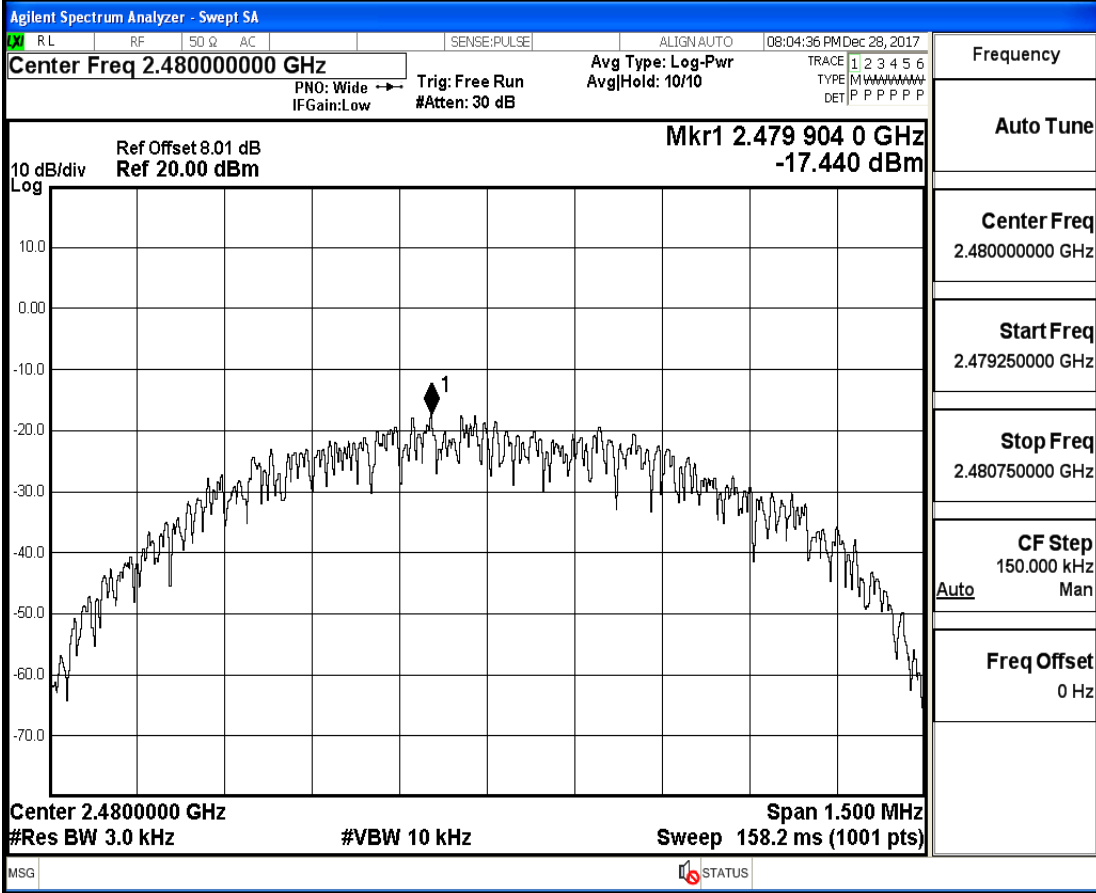
Maximum Peak power spectral density_BT LE_2402_Ant1



Maximum Peak power spectral density_BT LE_2440_Ant1



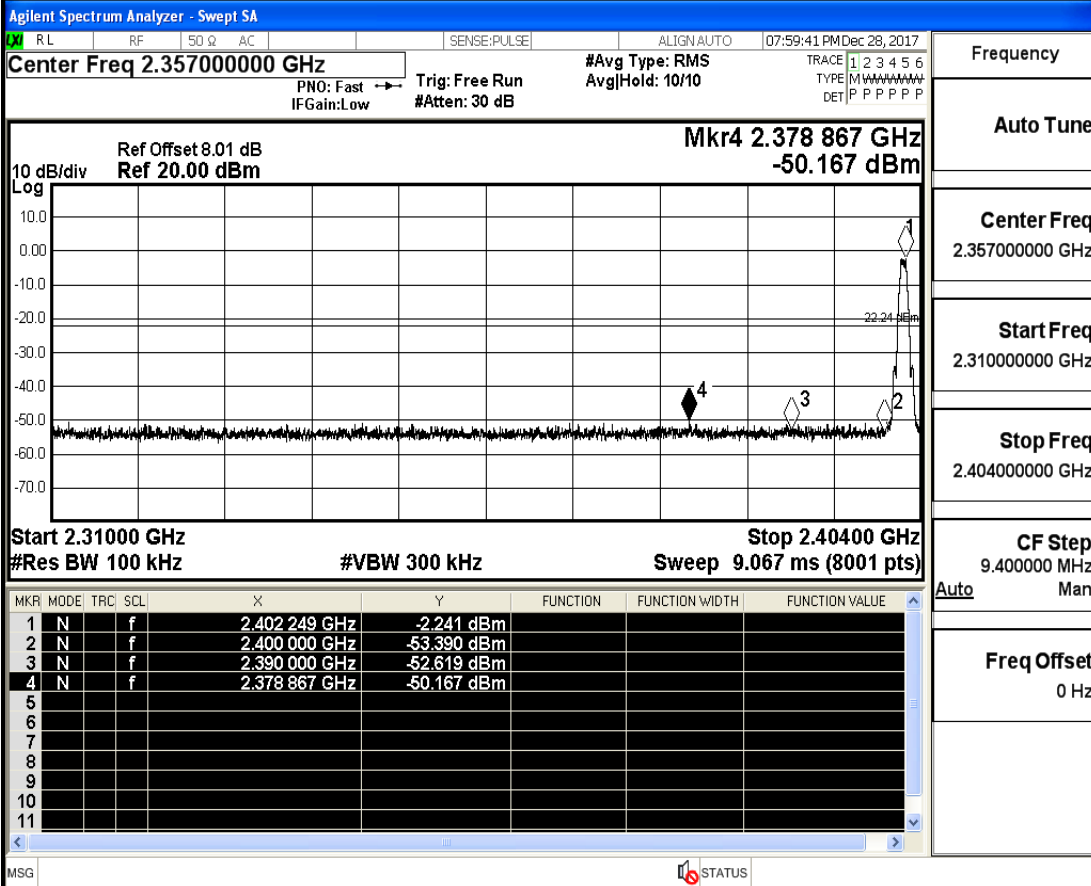
Maximum Peak power spectral density_BT LE_2480_Ant1



B.4 Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BT LE	2402	Ant1	-2.241	-50.167	-22.24	PASS
BT LE	2480	Ant1	-2.472	-50.376	-22.47	PASS

Band-edge for RF Conducted Emissions_BT LE_2402_Ant1



Frequency

Auto Tune

Center Freq
2.357000000 GHz

Start Freq
2.310000000 GHz

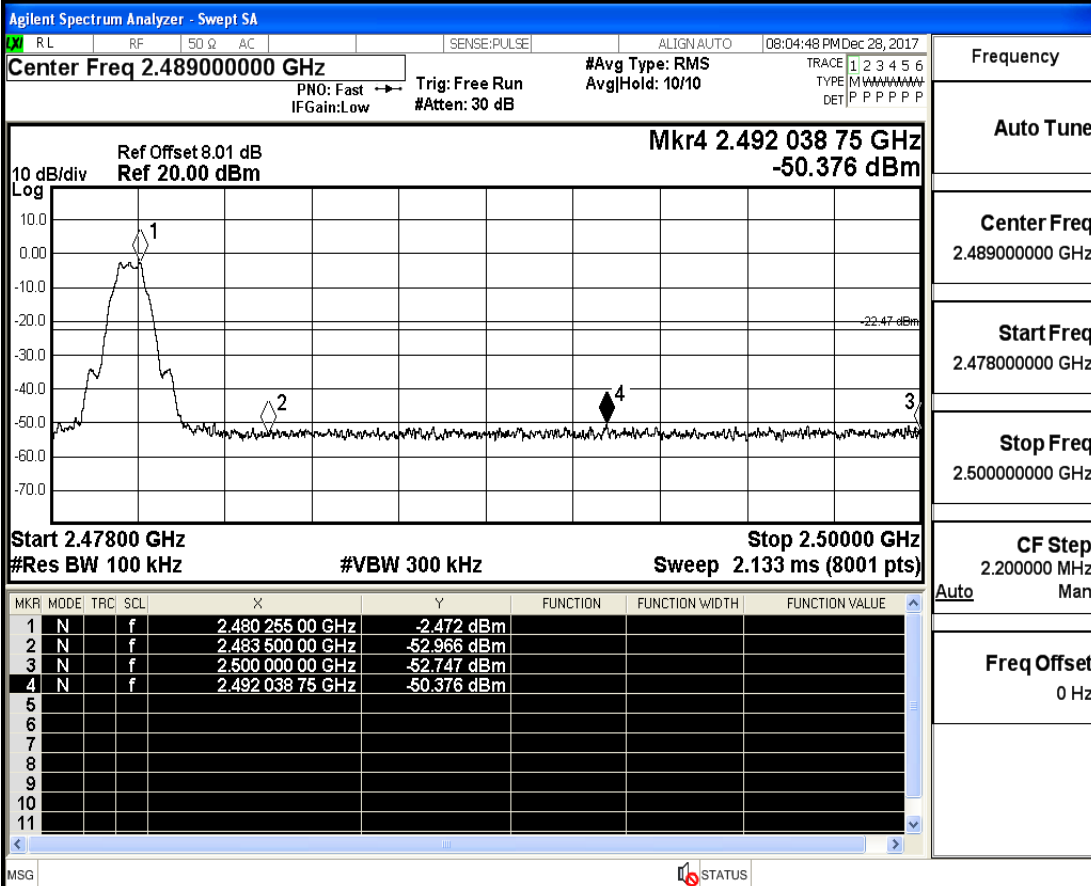
Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_BT LE_2480_Ant1



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz

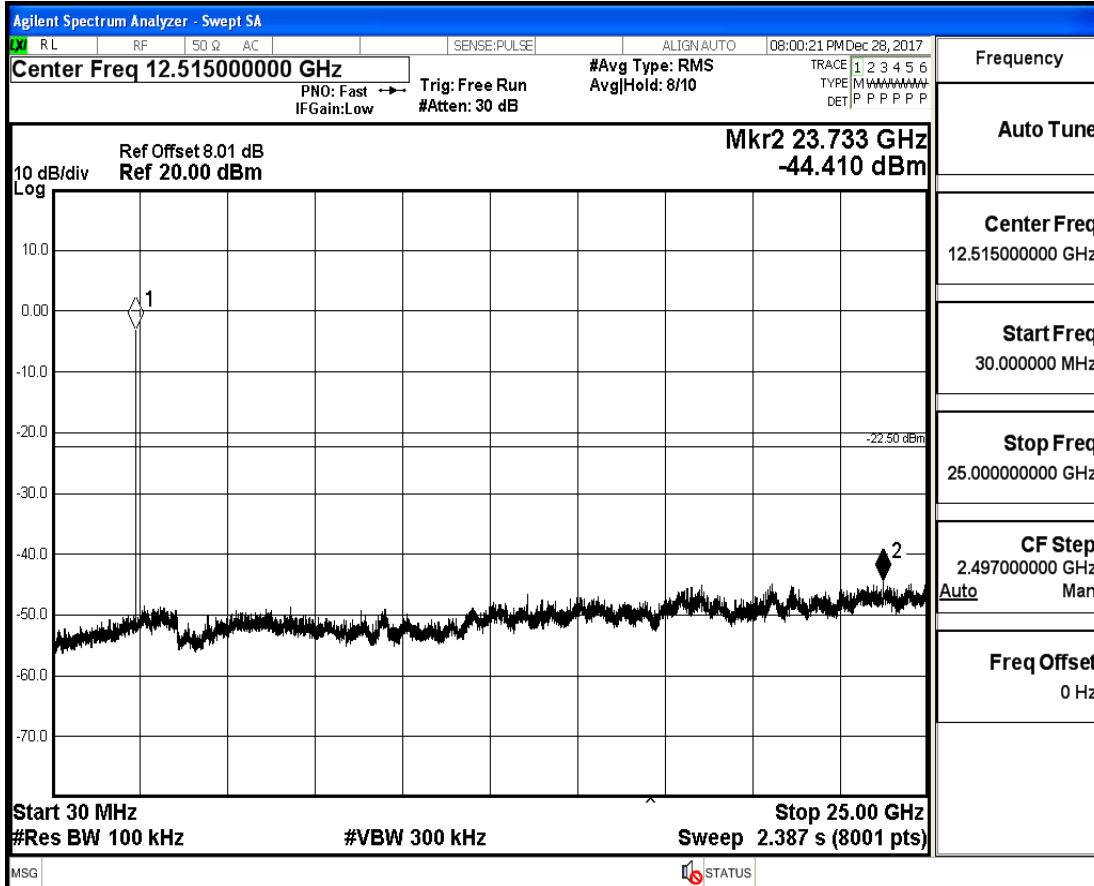
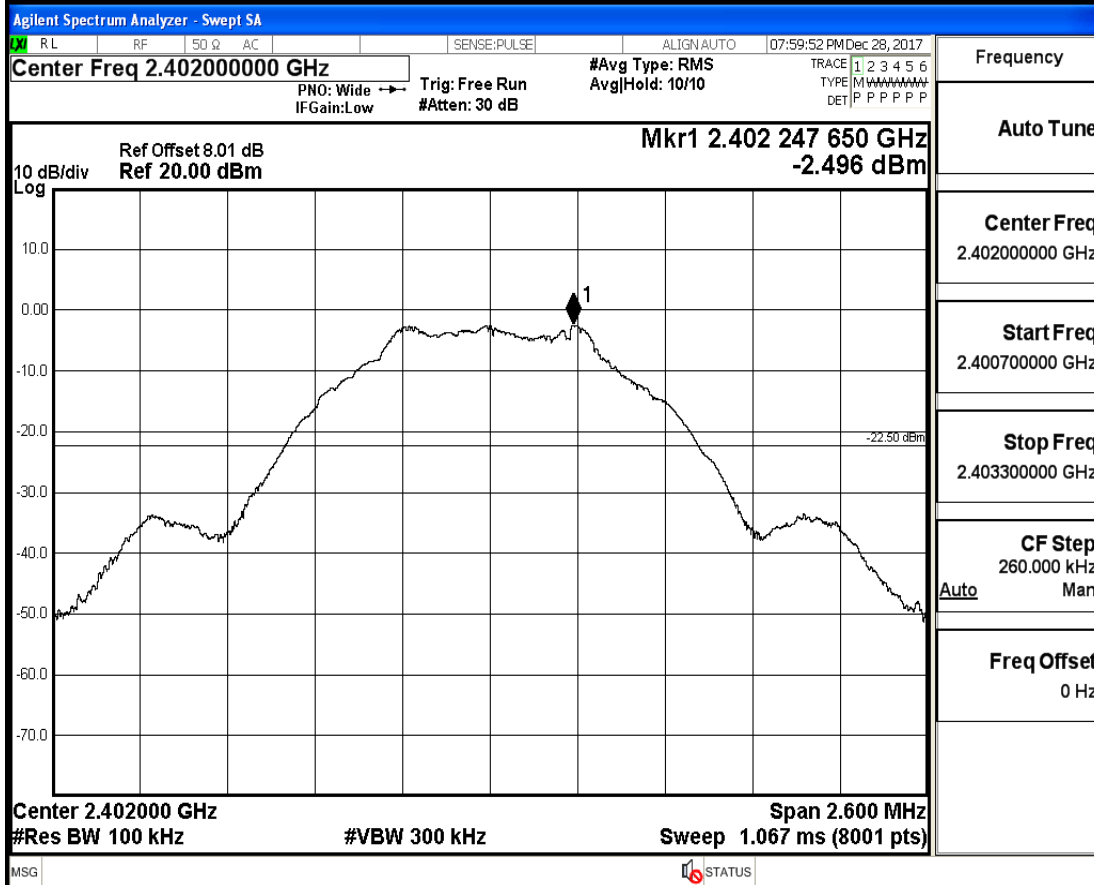
Auto Man

Freq Offset
0 Hz

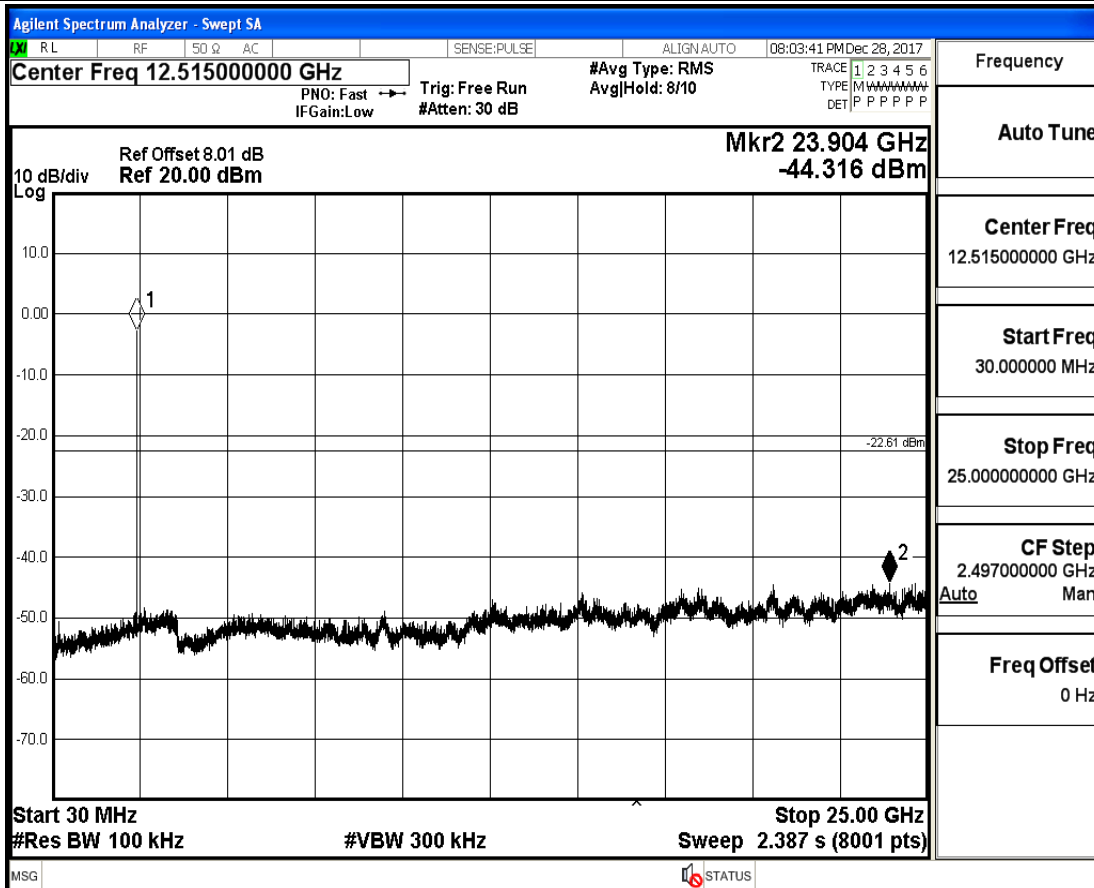
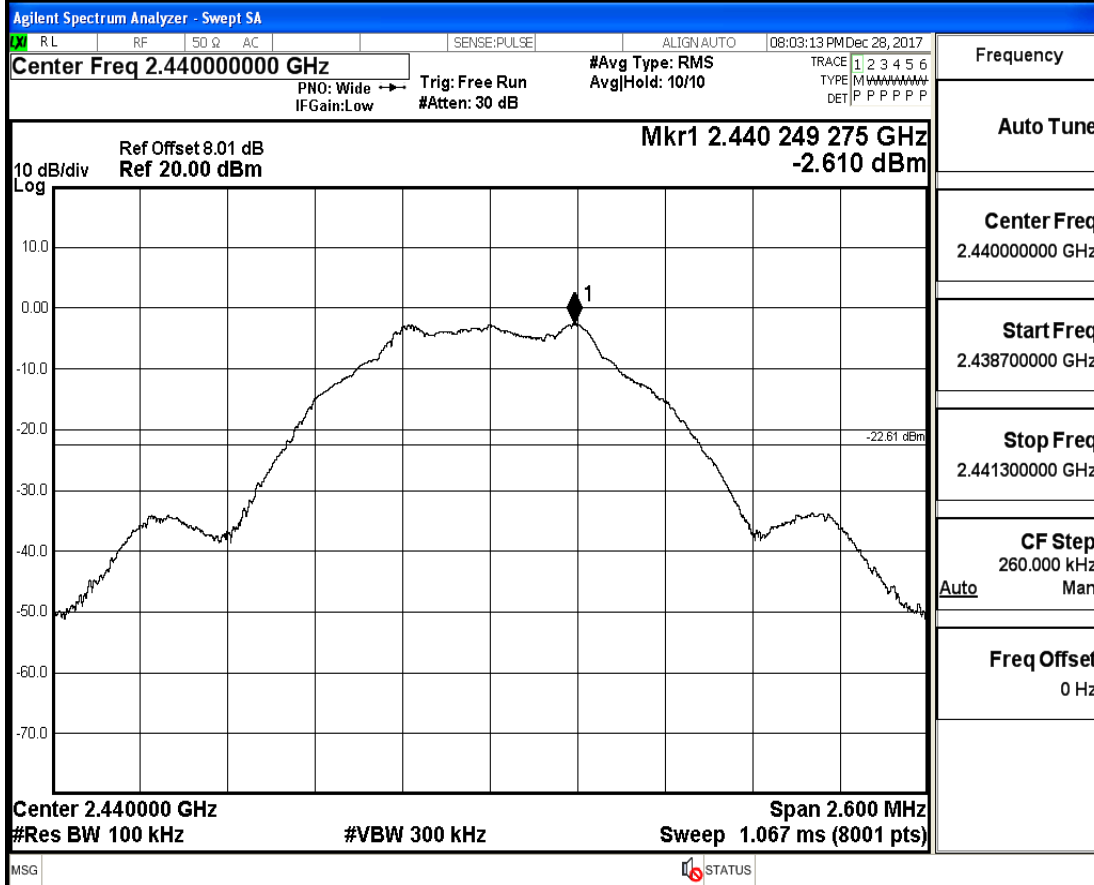
B.5 RF Conducted Spurious Emissions

Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BT LE	2402	Ant1	30	25000	100	300	-2.496	-44.410	<-22.496	PASS
BT LE	2440	Ant1	30	25000	100	300	-2.61	-44.316	<-22.61	PASS
BT LE	2480	Ant1	30	25000	100	300	-2.702	-44.449	<-22.702	PASS

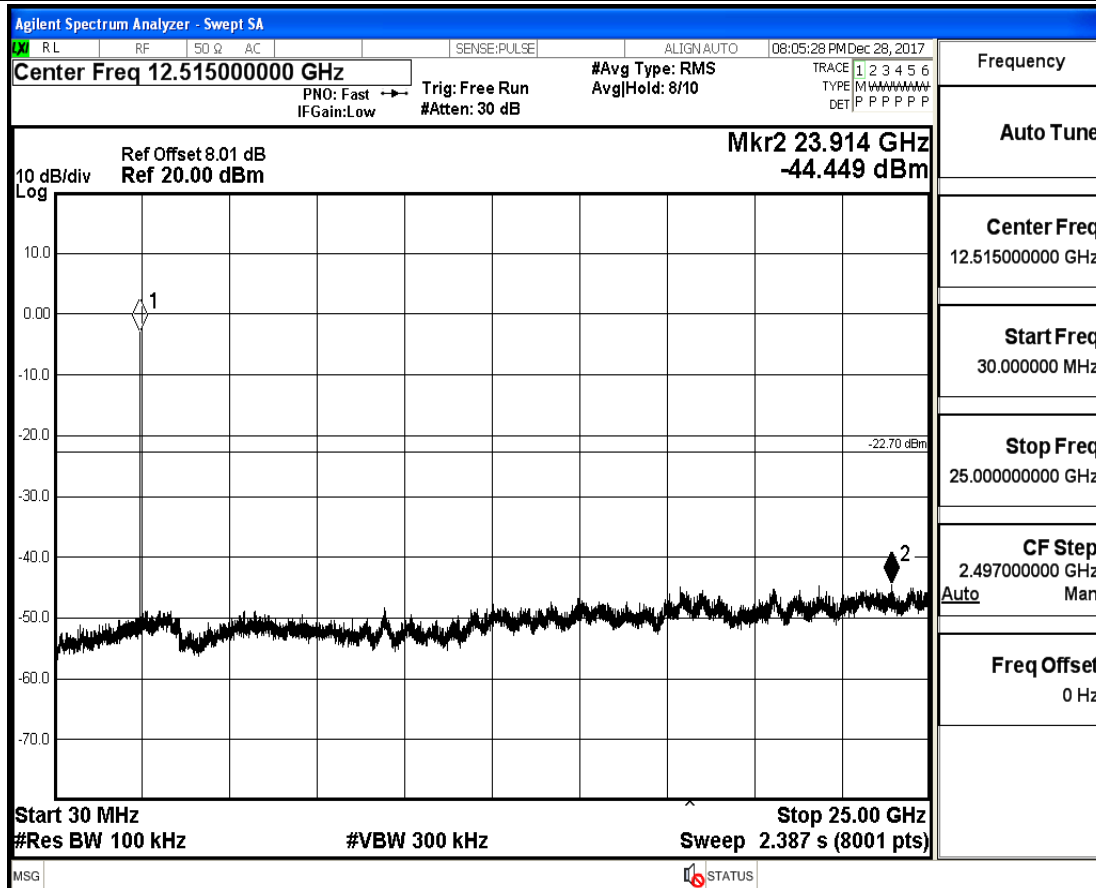
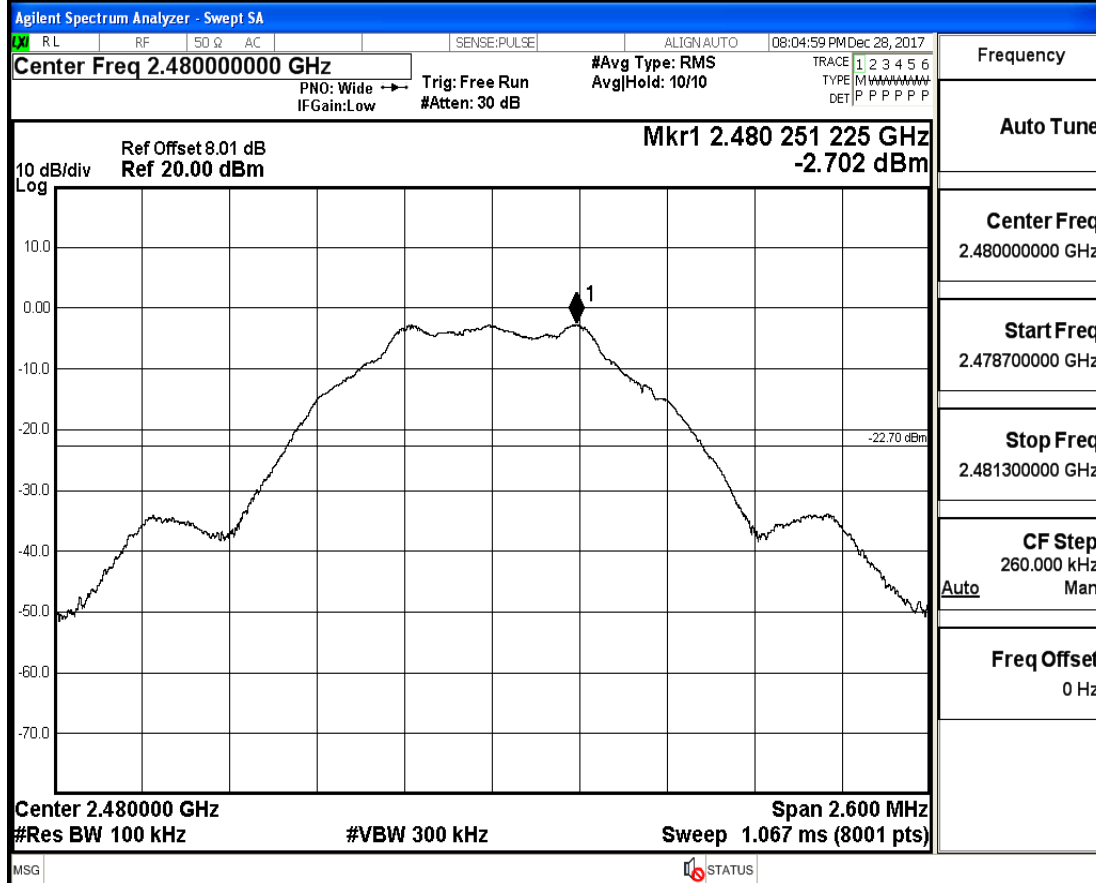
RF Conducted Spurious Emissions_BT LE_2402_Ant1



RF Conducted Spurious Emissions_BT LE_2440_Ant1



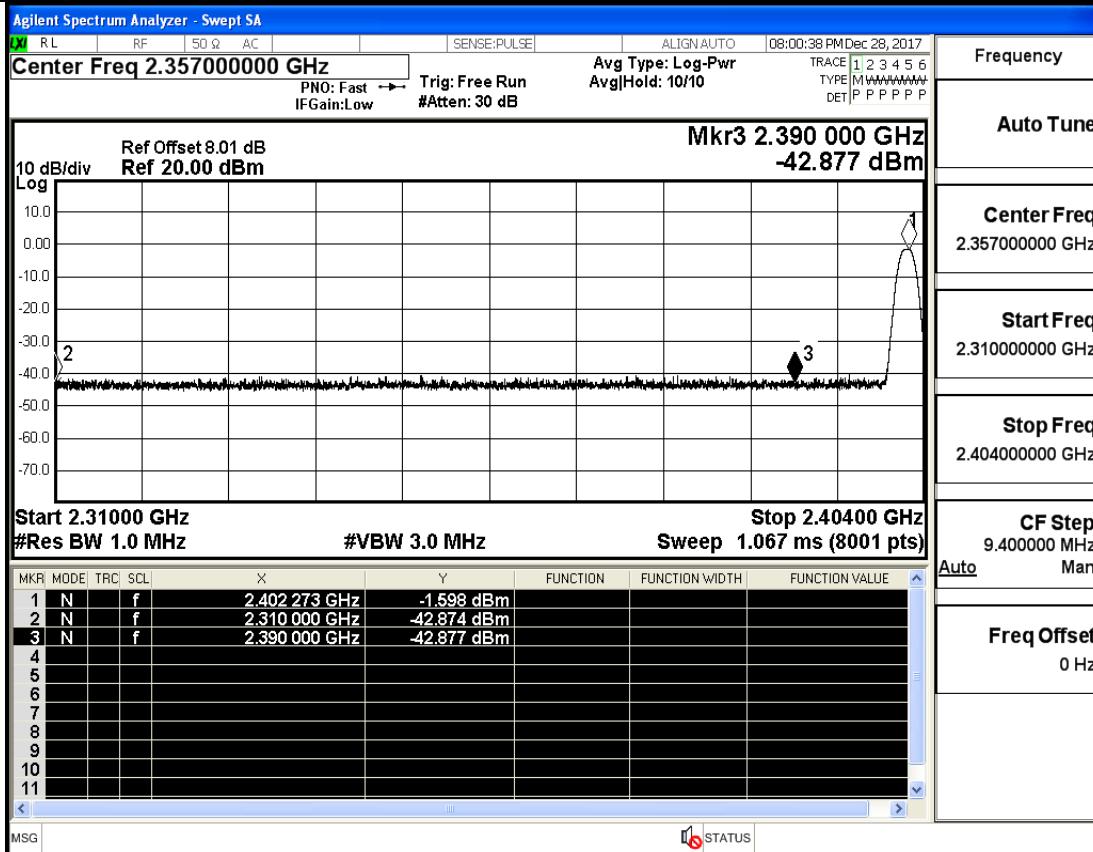
RF Conducted Spurious Emissions_BT LE_2480_Ant1



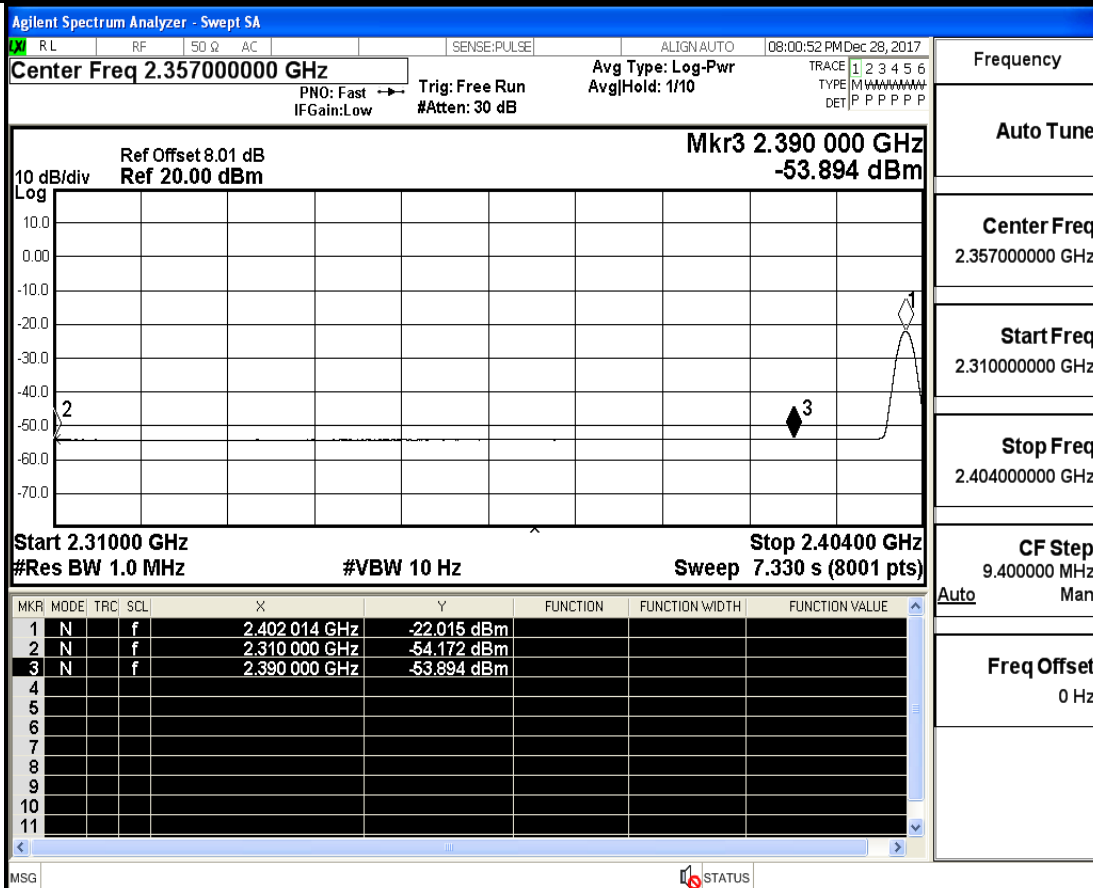
B.6 Restrict-band band-edge measurements

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	-42.87	2	0	54.38	PEAK	74	PASS
BT LE	2402	Ant1	2310.0	-54.17	2	0	43.09	AV	54	PASS
BT LE	2402	Ant1	2390.0	-42.88	2	0	54.38	PEAK	74	PASS
BT LE	2402	Ant1	2390.0	-53.89	2	0	43.36	AV	54	PASS
BT LE	2480	Ant1	2483.5	-43.91	2	0	53.35	PEAK	74	PASS
BT LE	2480	Ant1	2483.5	-53.72	2	0	43.53	AV	54	PASS
BT LE	2480	Ant1	2500.0	-43.49	2	0	53.77	PEAK	74	PASS
BT LE	2480	Ant1	2500.0	-53.56	2	0	43.70	AV	54	PASS

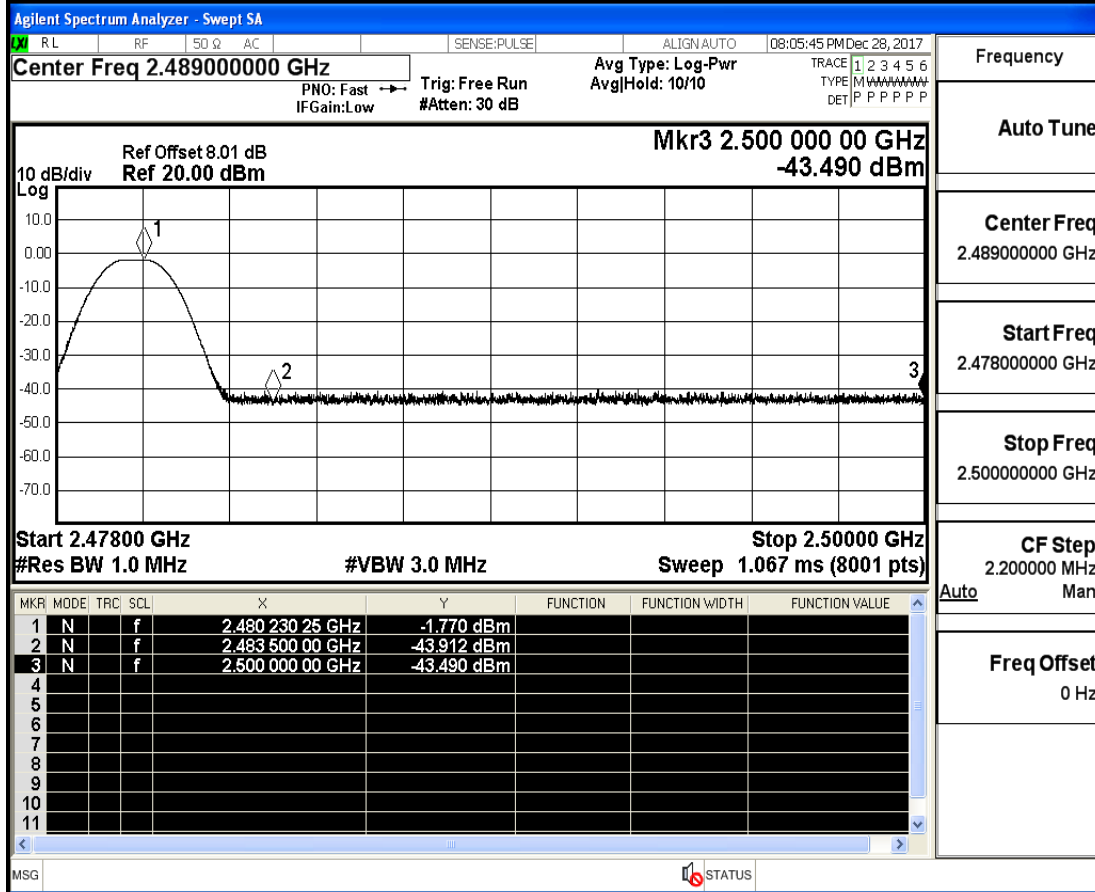
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



Restrict-band band-edge measurements_BT LE_2402_Ant1_AV



Restrict-band band-edge measurements_BT LE_2480_Ant1_PEAK



Frequency

Auto Tune

Center Freq
2.489000000 GHz

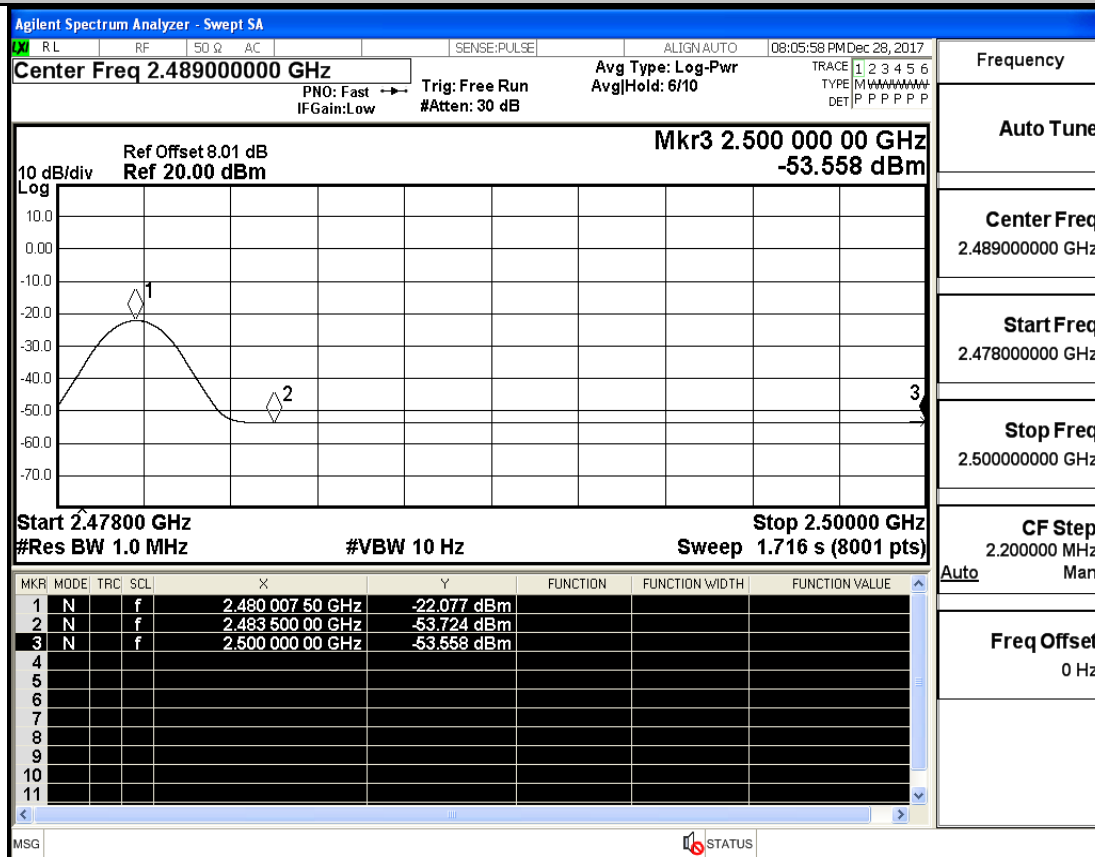
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

Restrict-band band-edge measurements_BT LE_2480_Ant1_AV



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