

Appendix B
RF Test Data for BT V4.1(BT LE) (Conducted Measurement)

Product Name: Android tv box



Trade Mark:

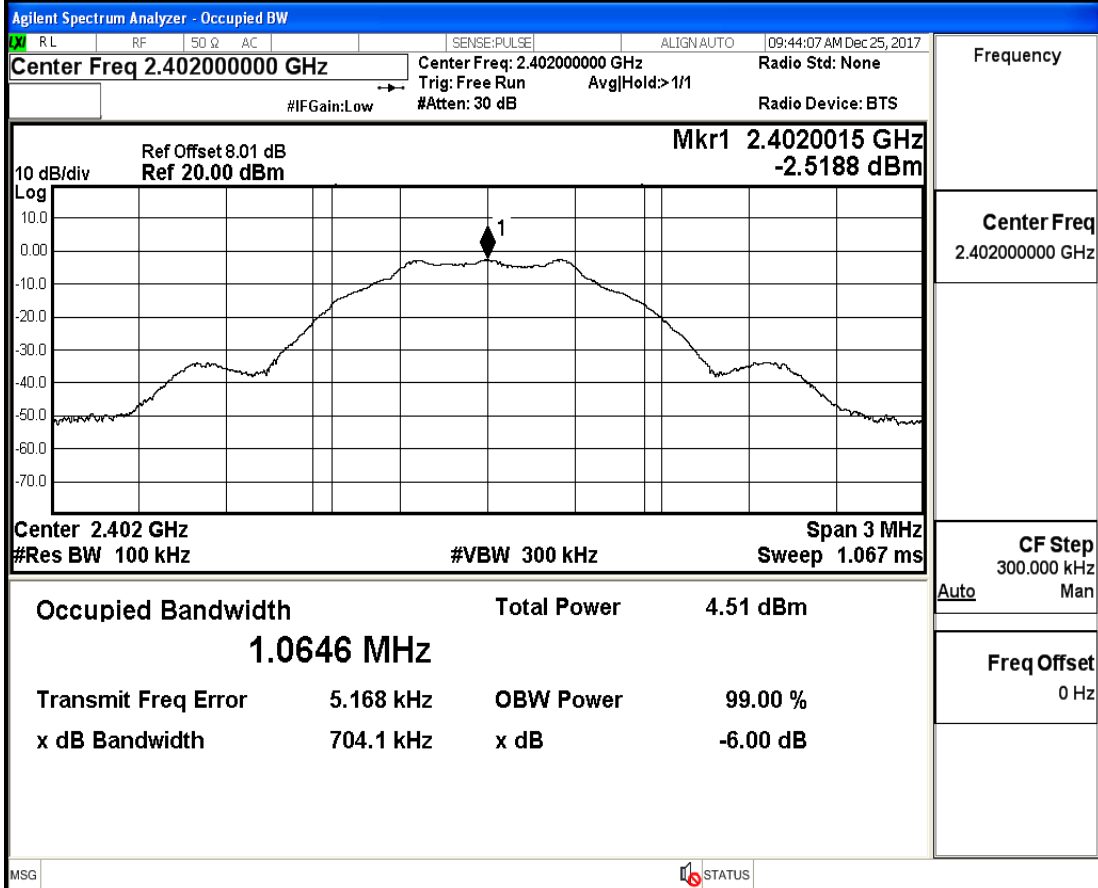
Test Model: RL

FCC ID: 2AF9R-RL

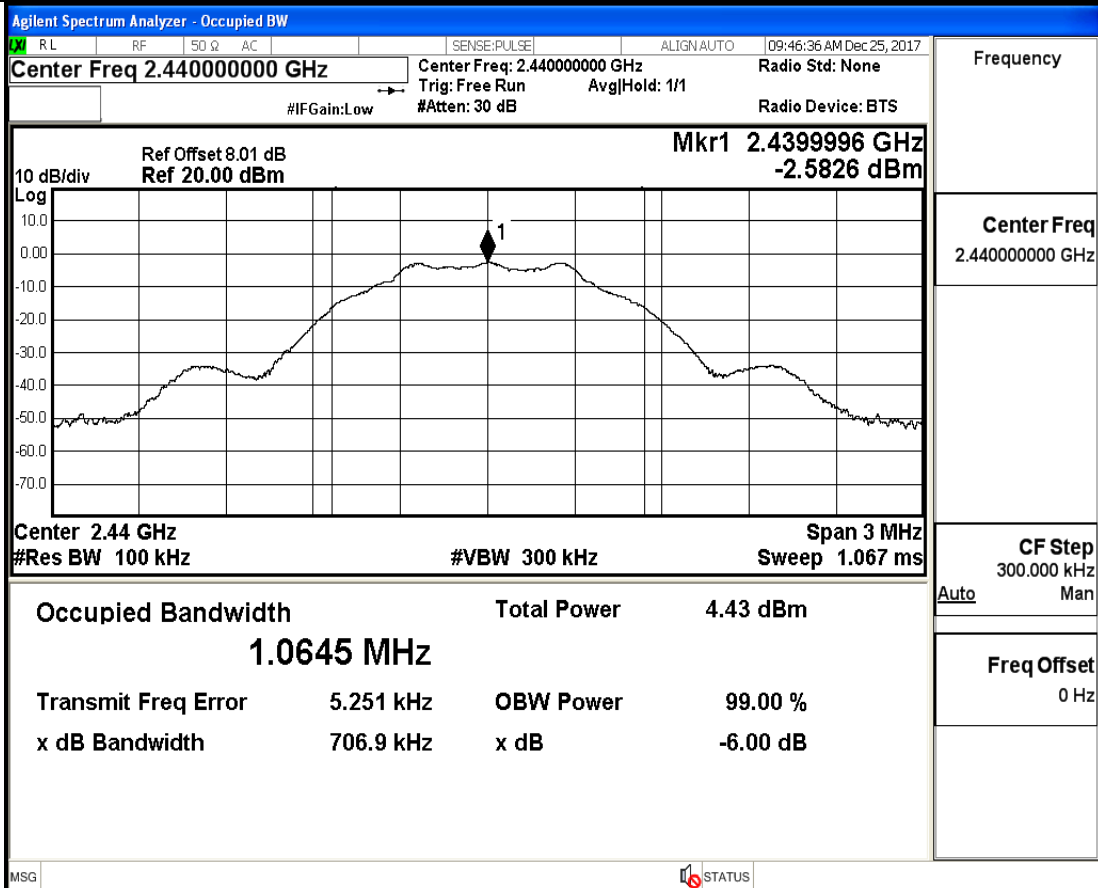
B.1 6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BT LE	2402	Ant1	0.7041	0.5	PASS
BT LE	2440	Ant1	0.7069	0.5	PASS
BT LE	2480	Ant1	0.6992	0.5	PASS

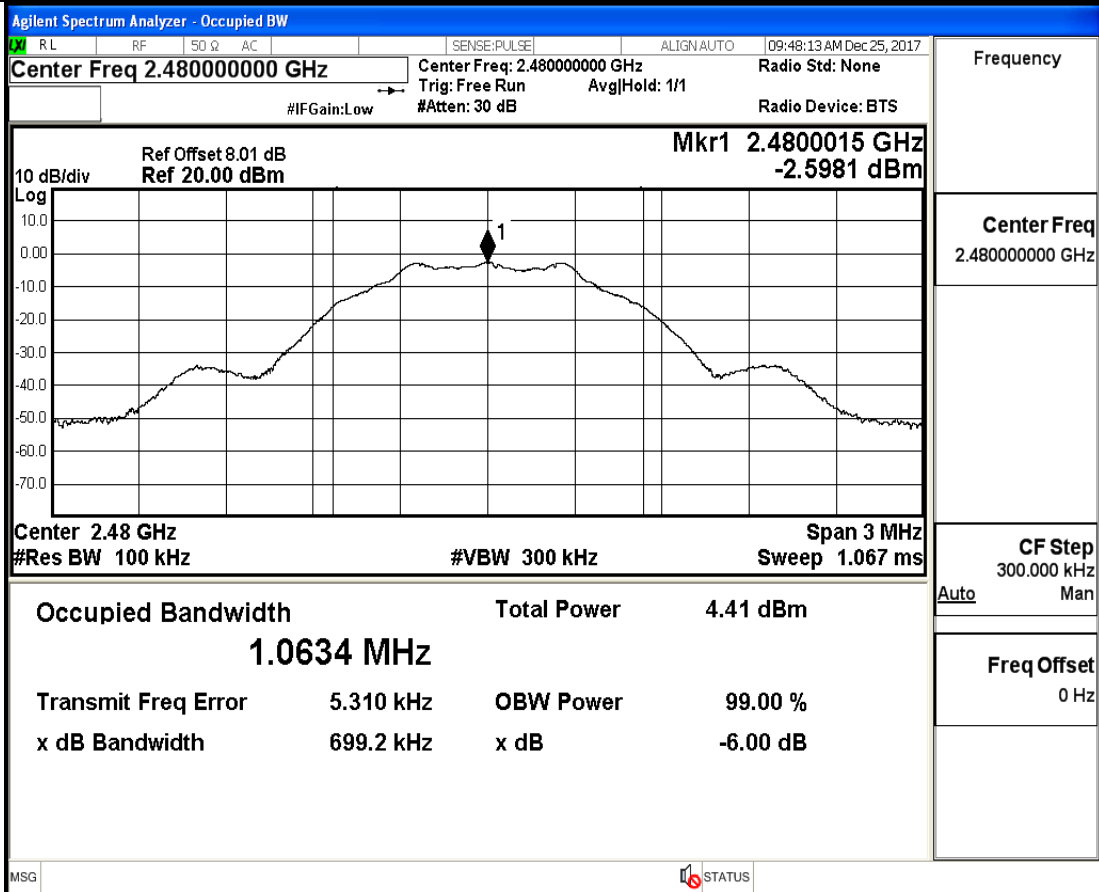
6dB Bandwidth_BT LE_2402_Ant1



6dB Bandwidth_BT LE_2440_Ant1



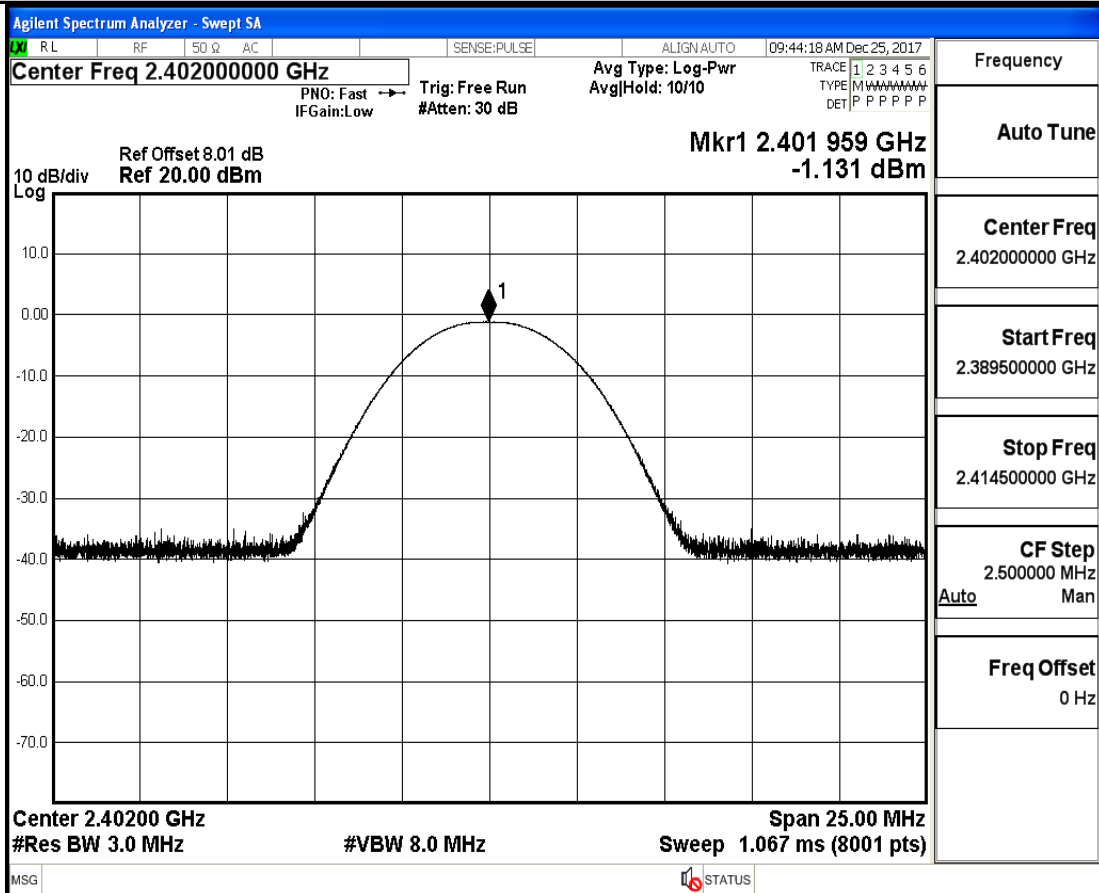
6dB Bandwidth_BT LE_2480_Ant1



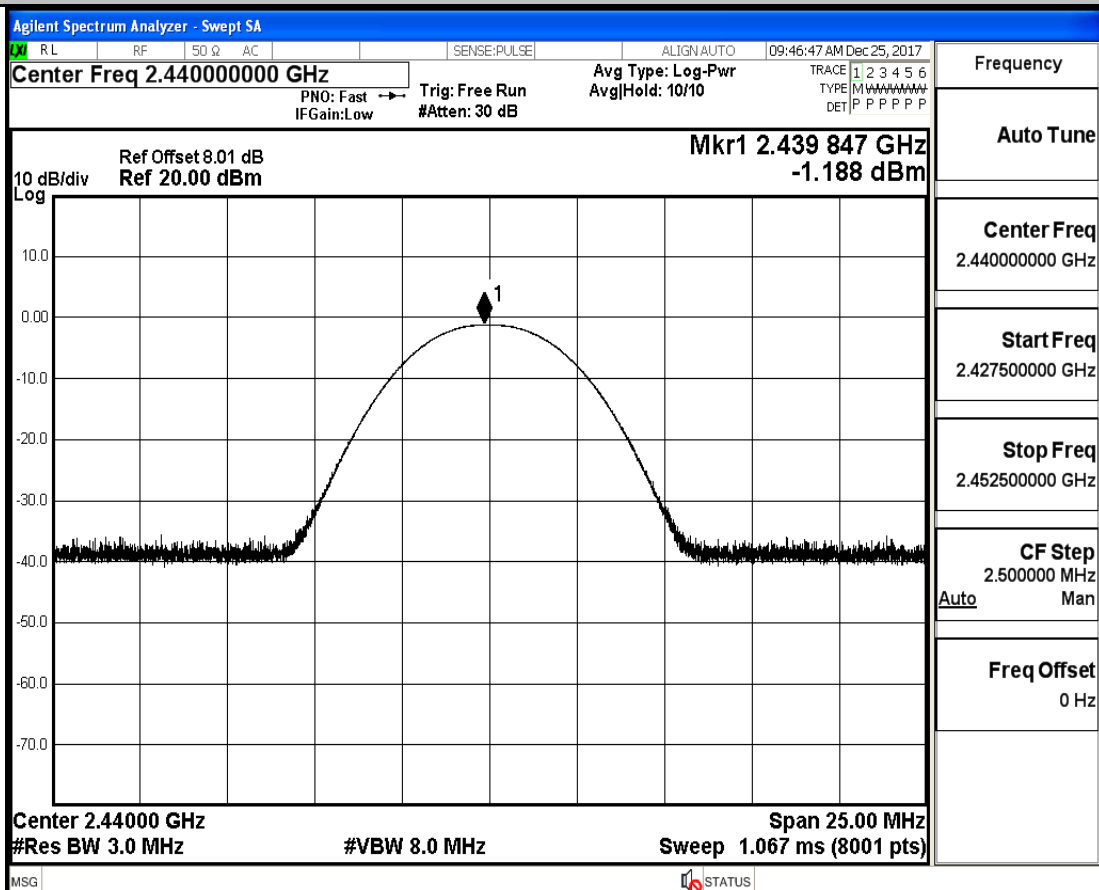
B.2 Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BT LE	2402	Ant1	-1.131	30	PASS
BT LE	2440	Ant1	-1.188	30	PASS
BT LE	2480	Ant1	-1.202	30	PASS

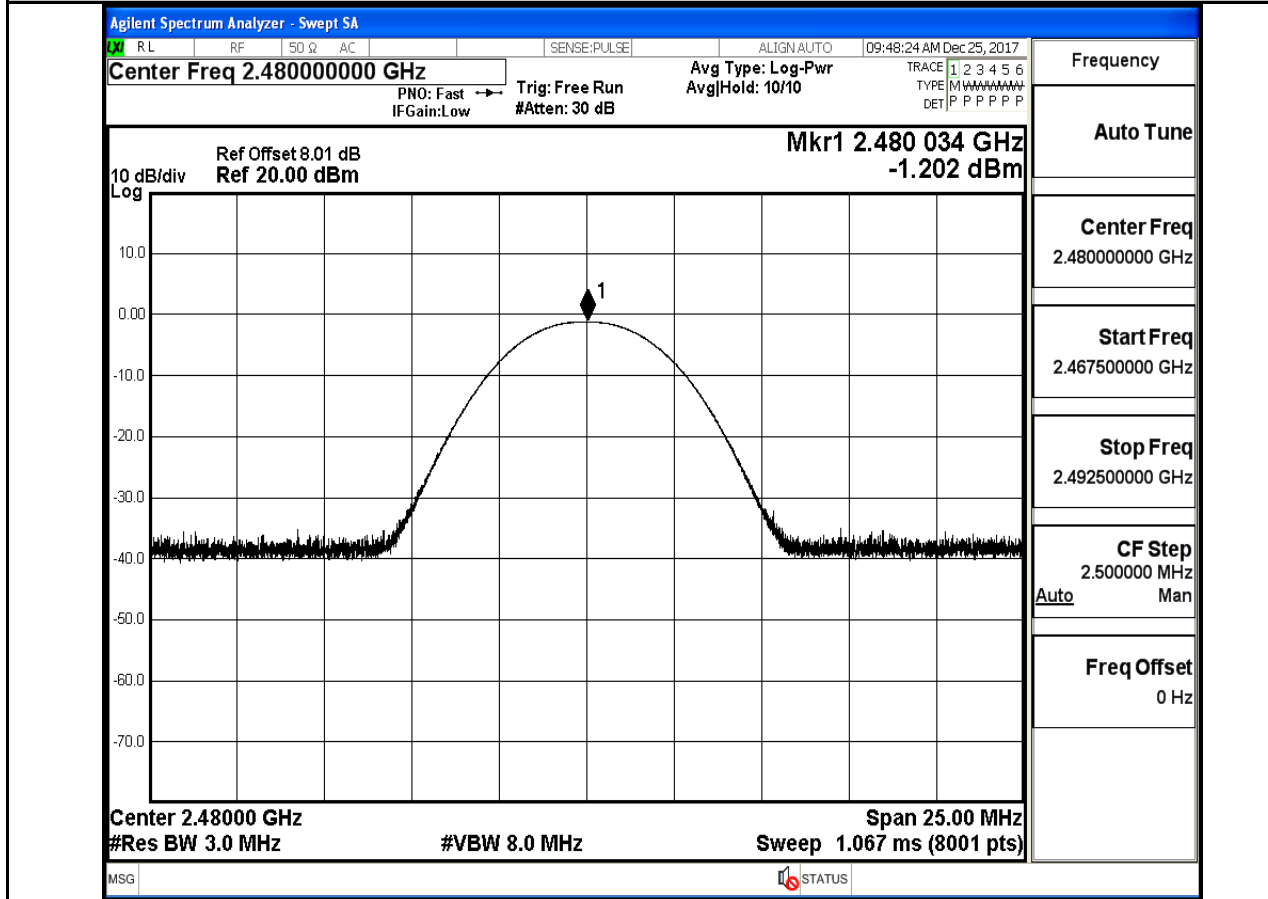
Maximum peak conducted output power_BT LE_2402_Ant1



Maximum peak conducted output power_BT LE_2440_Ant1



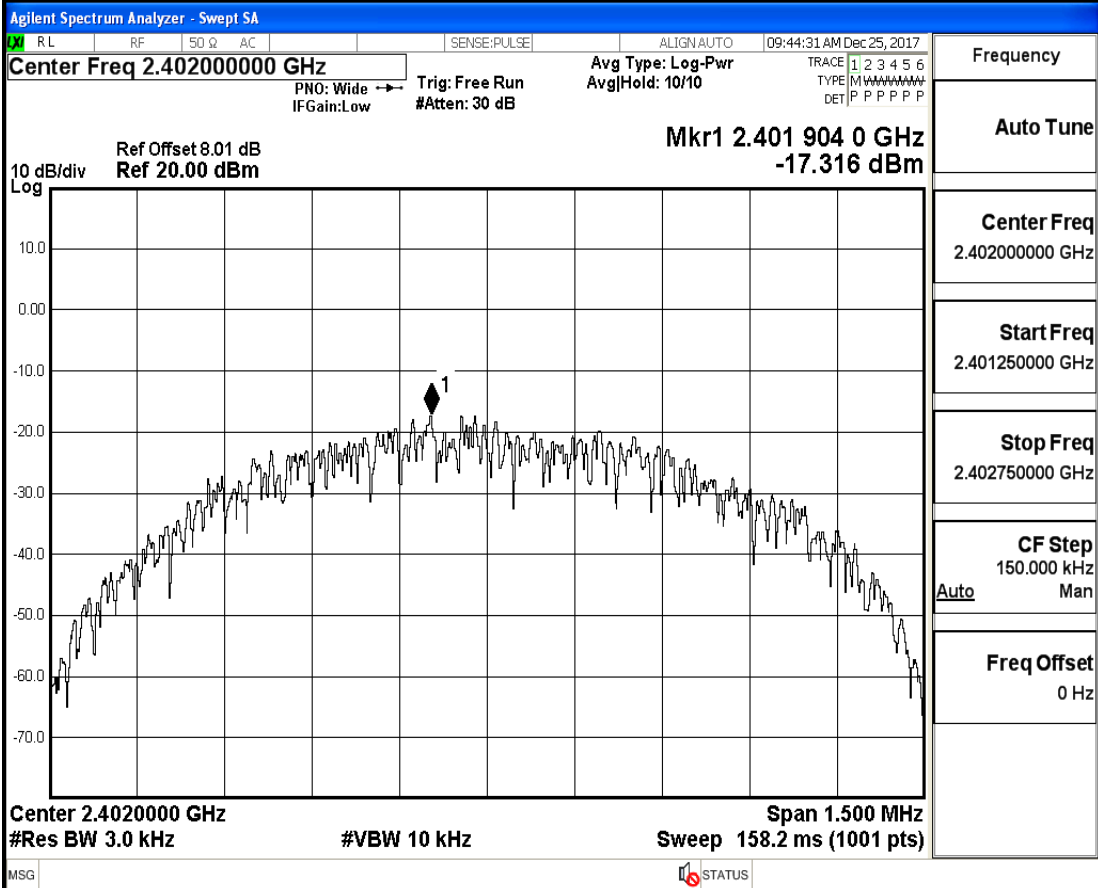
Maximum peak conducted output power_BT LE_2480_Ant1



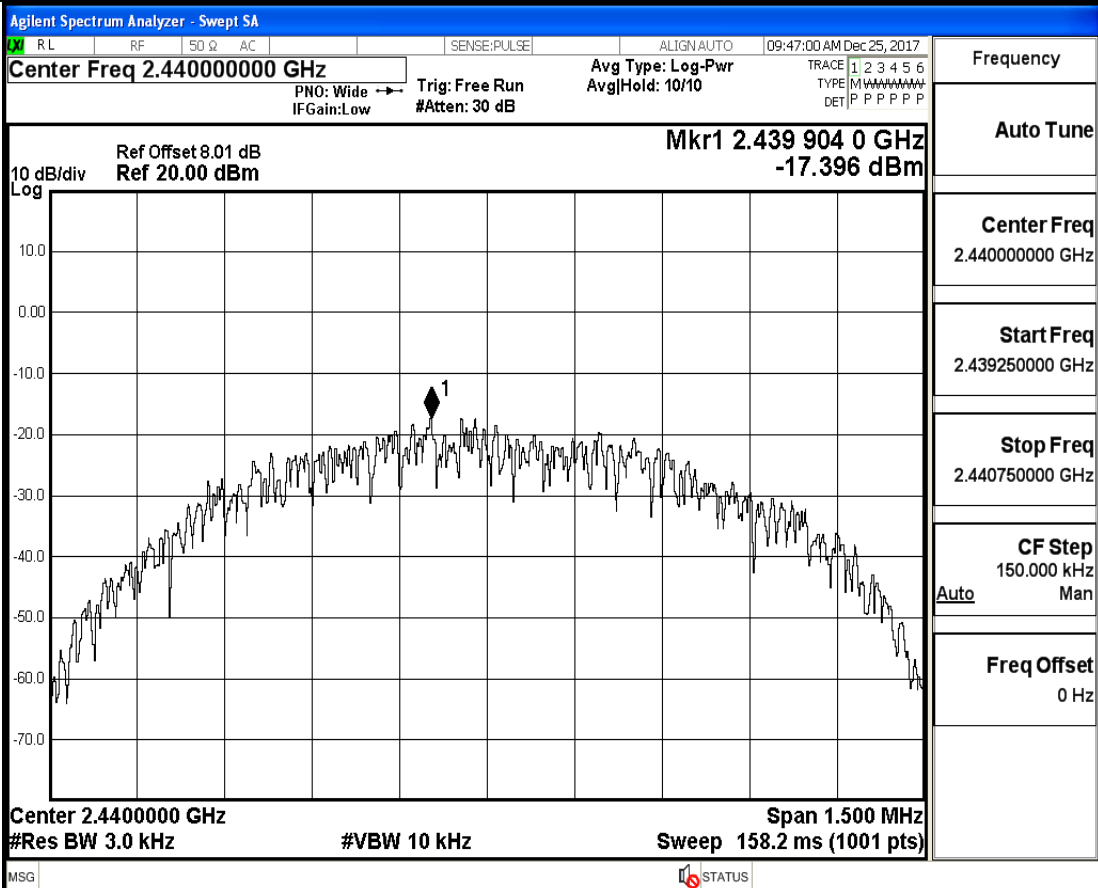
B.3 Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BT LE	2402	Ant1	-17.316	8.00	PASS
BT LE	2440	Ant1	-17.396	8.00	PASS
BT LE	2480	Ant1	-17.441	8.00	PASS

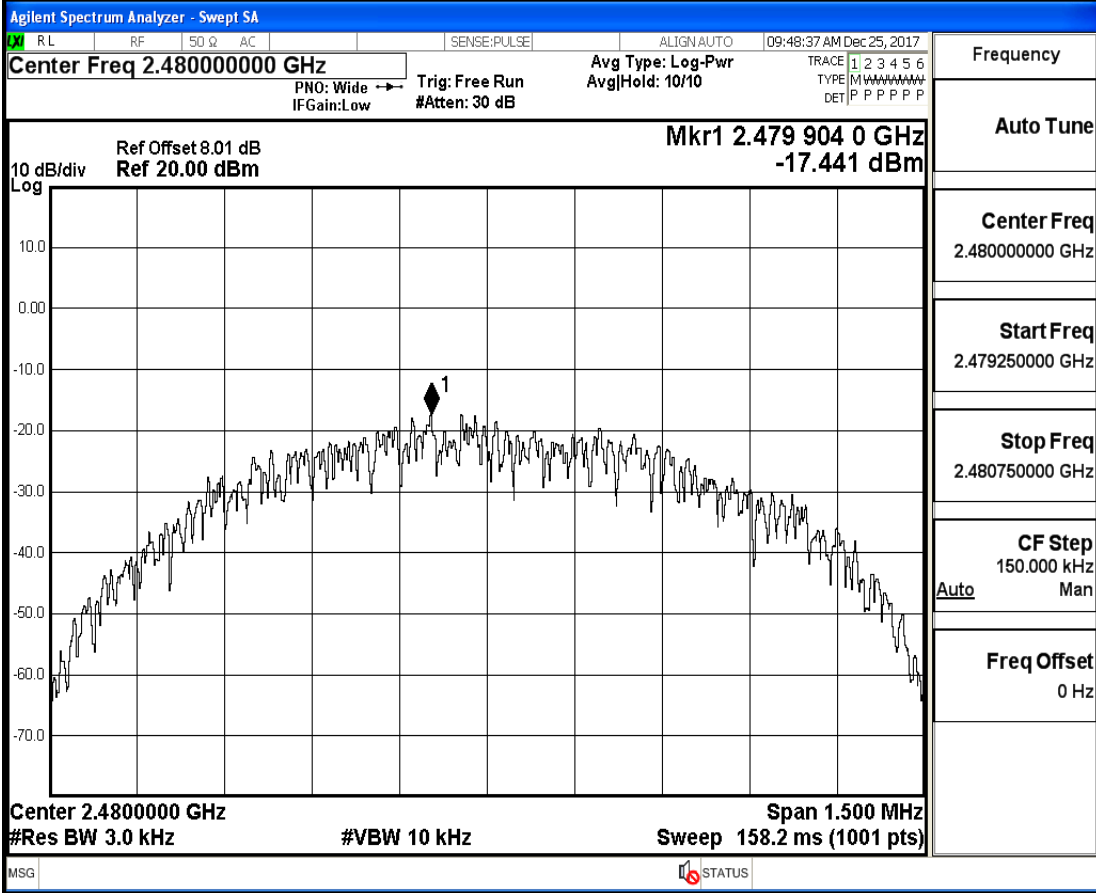
Maximum Peak power spectral density_BT LE_2402_Ant1



Maximum Peak power spectral density_BT LE_2440_Ant1



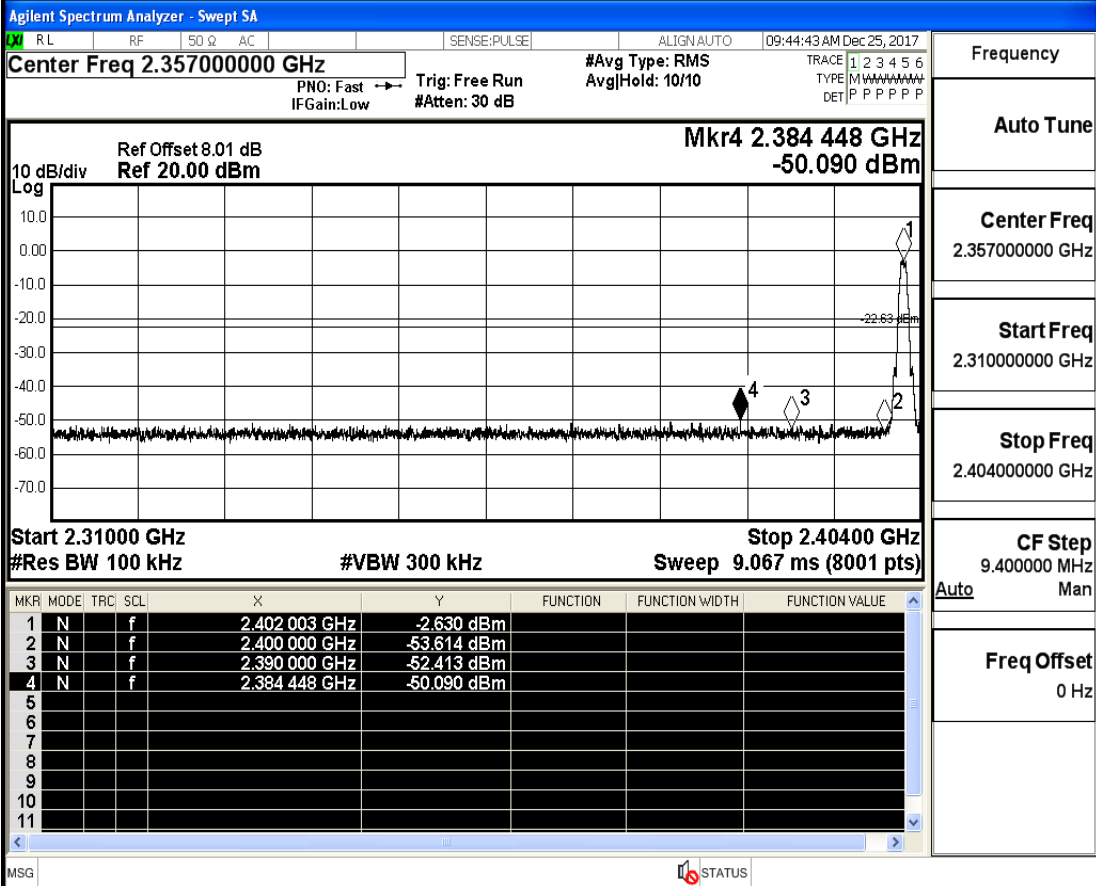
Maximum Peak power spectral density_BT LE_2480_Ant1



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	-2.630	-50.090	-22.63	PASS
BT LE	2480	Ant1	-2.049	-50.980	-22.05	PASS

Band-edge for RF Conducted Emissions_BT LE_2402_Ant1



Frequency

Auto Tune

Center Freq
2.357000000 GHz

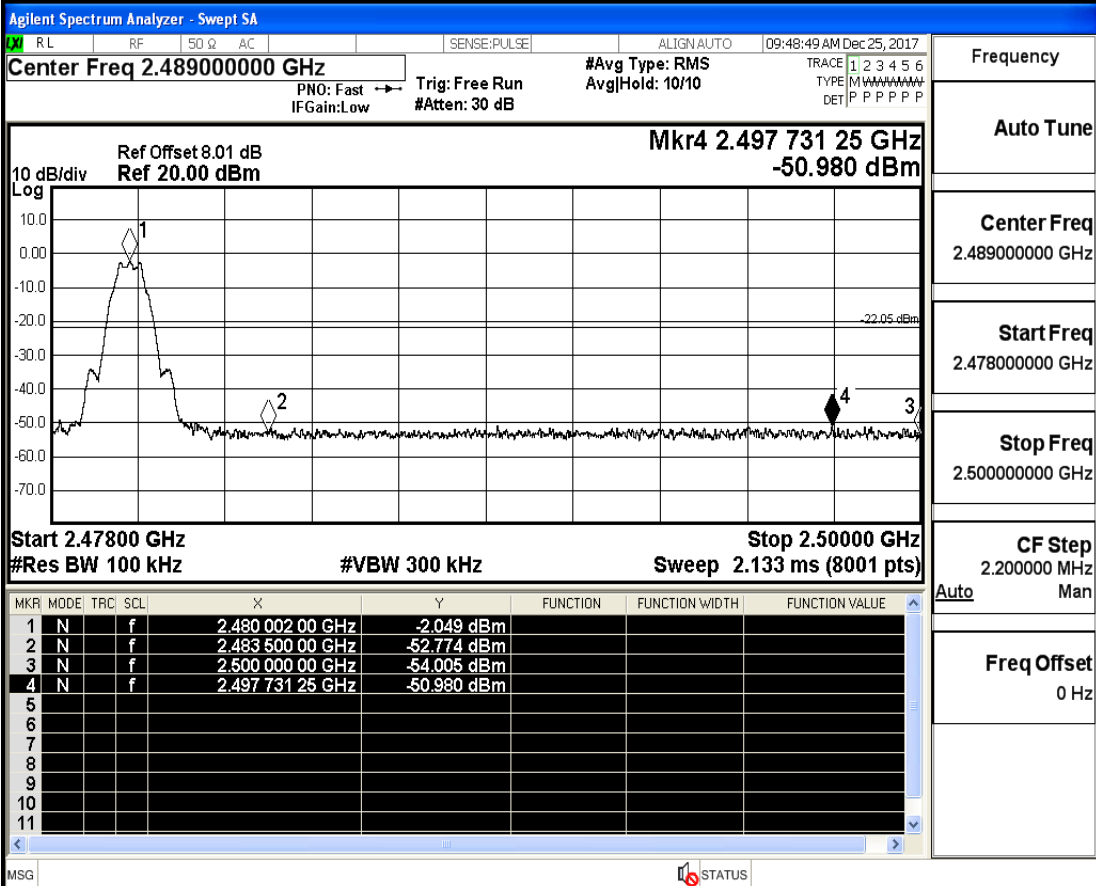
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

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

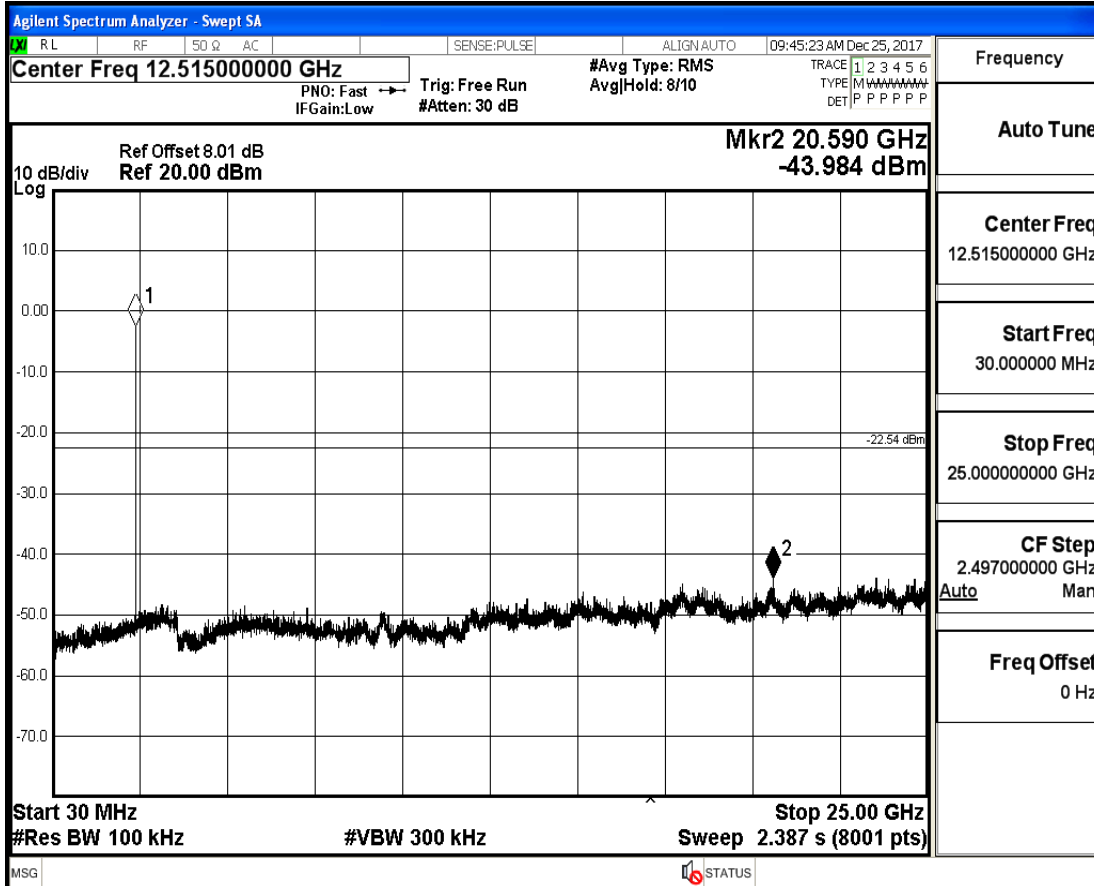
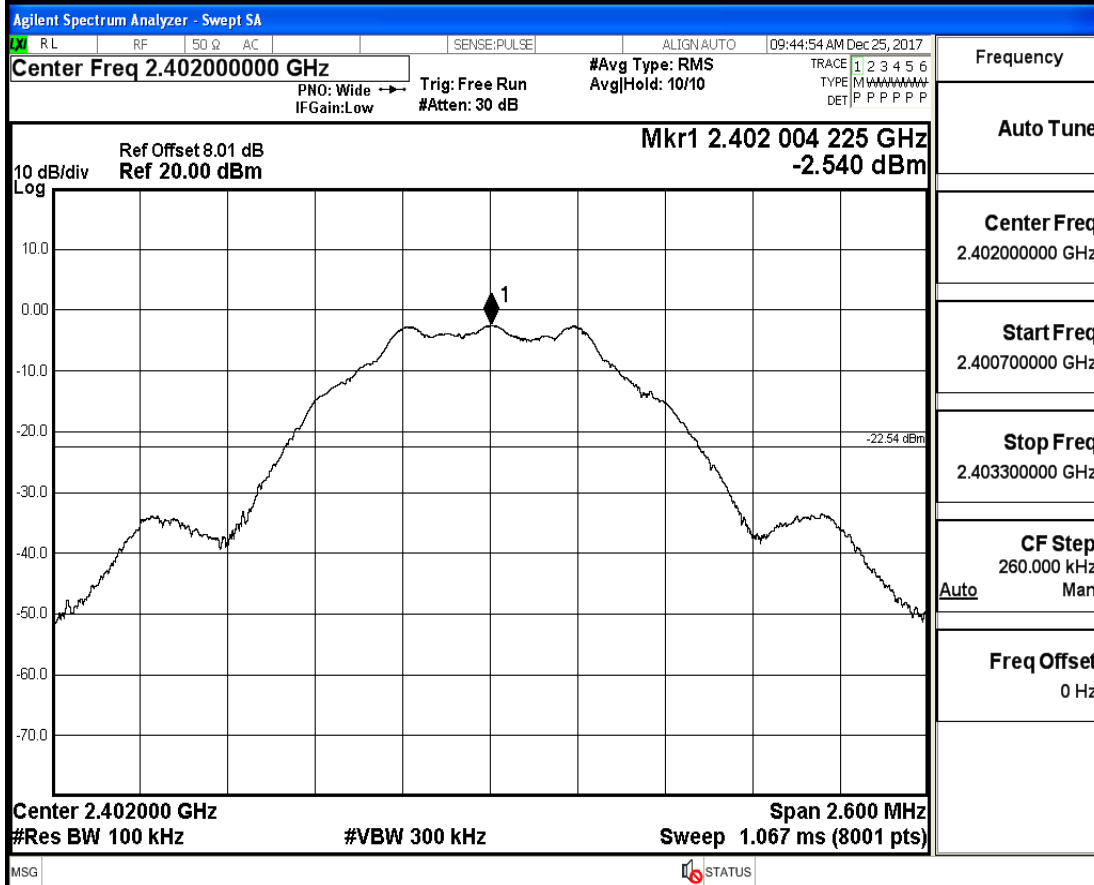
CF Step
2.200000 MHz

Freq Offset
0 Hz

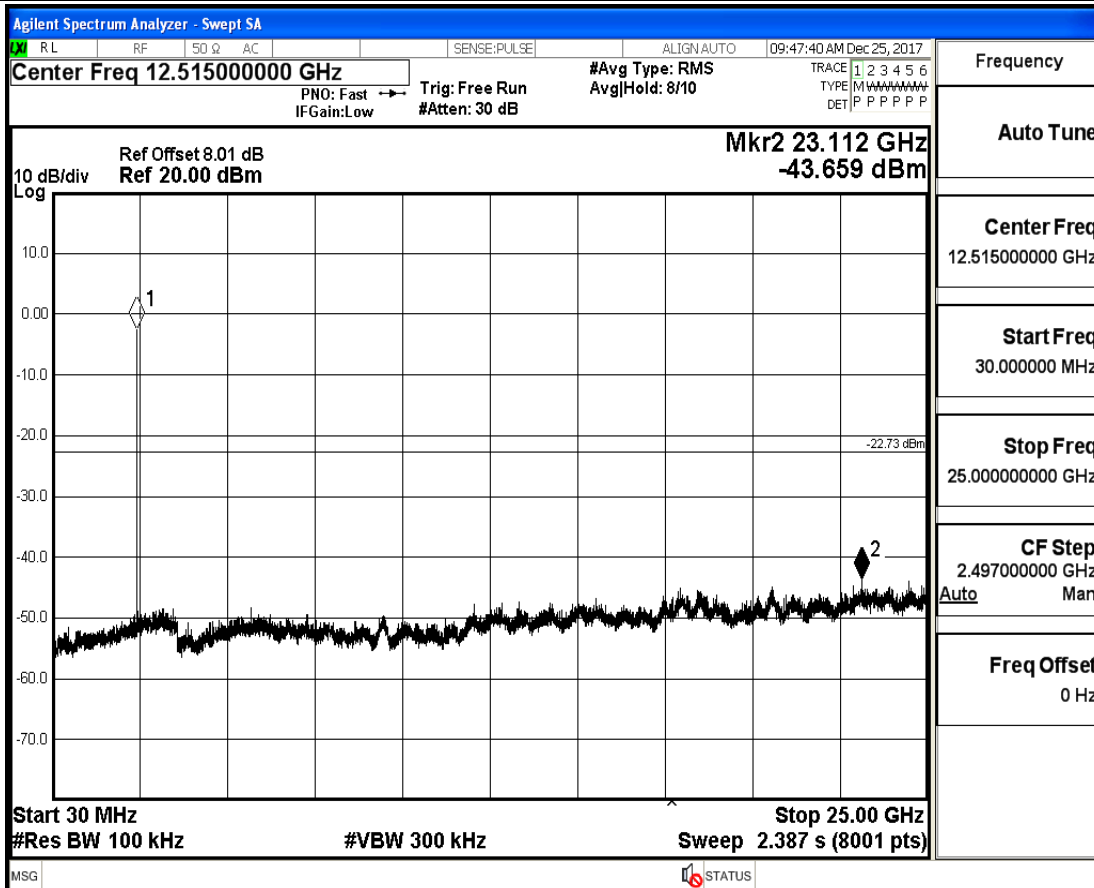
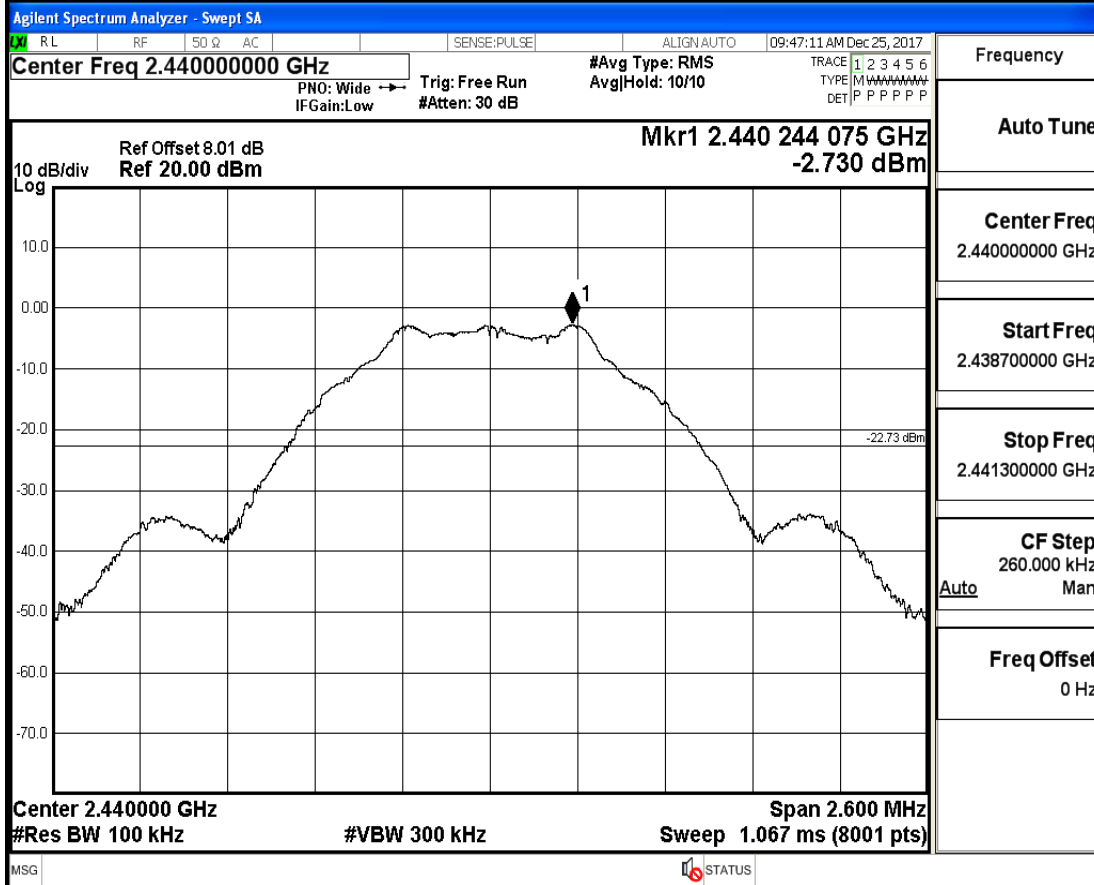
B.5 RF Conducted Spurious Emissions

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	-2.54	-43.984	<-22.54	PASS
BT LE	2440	Ant1	30	25000	100	300	-2.73	-43.659	<-22.73	PASS
BT LE	2480	Ant1	30	25000	100	300	-2.611	-43.818	<-22.611	PASS

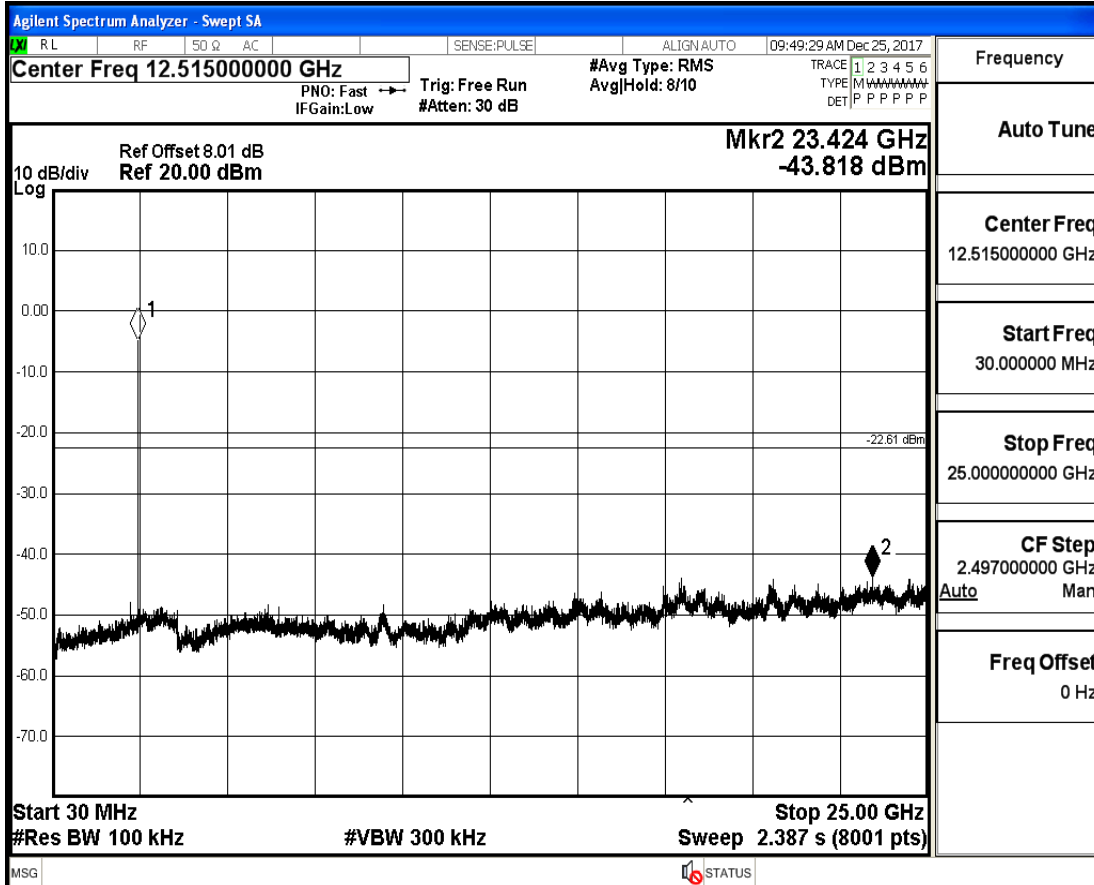
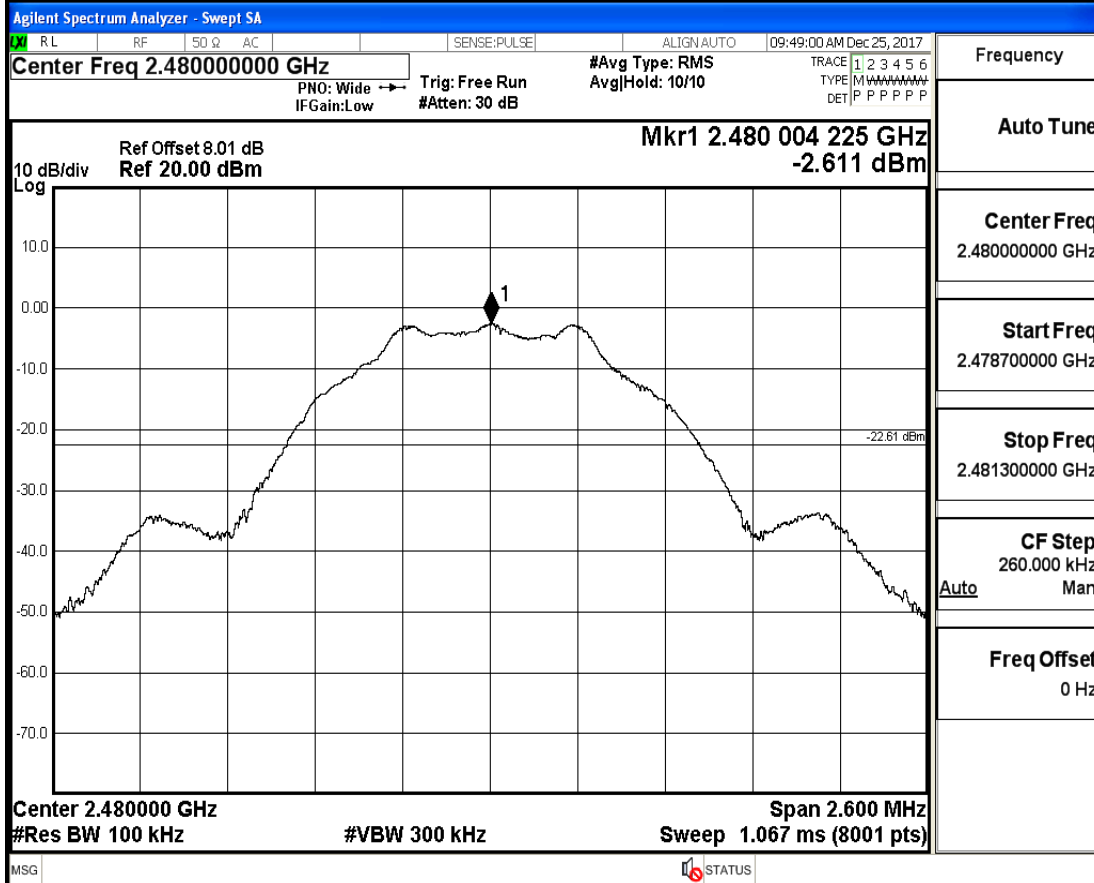
RF Conducted Spurious Emissions_BT LE_2402_Ant1



RF Conducted Spurious Emissions_BT LE_2440_Ant1



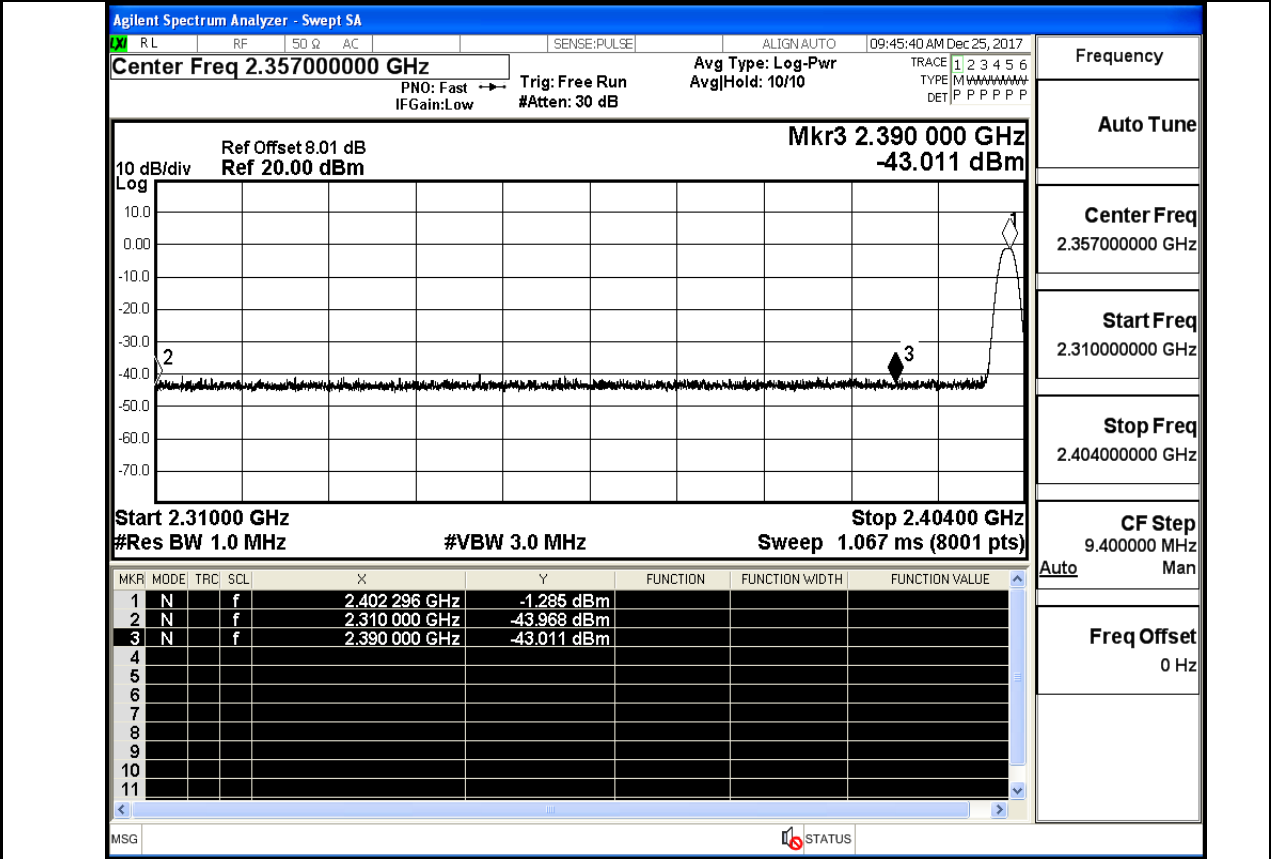
RF Conducted Spurious Emissions_BT LE_2480_Ant1



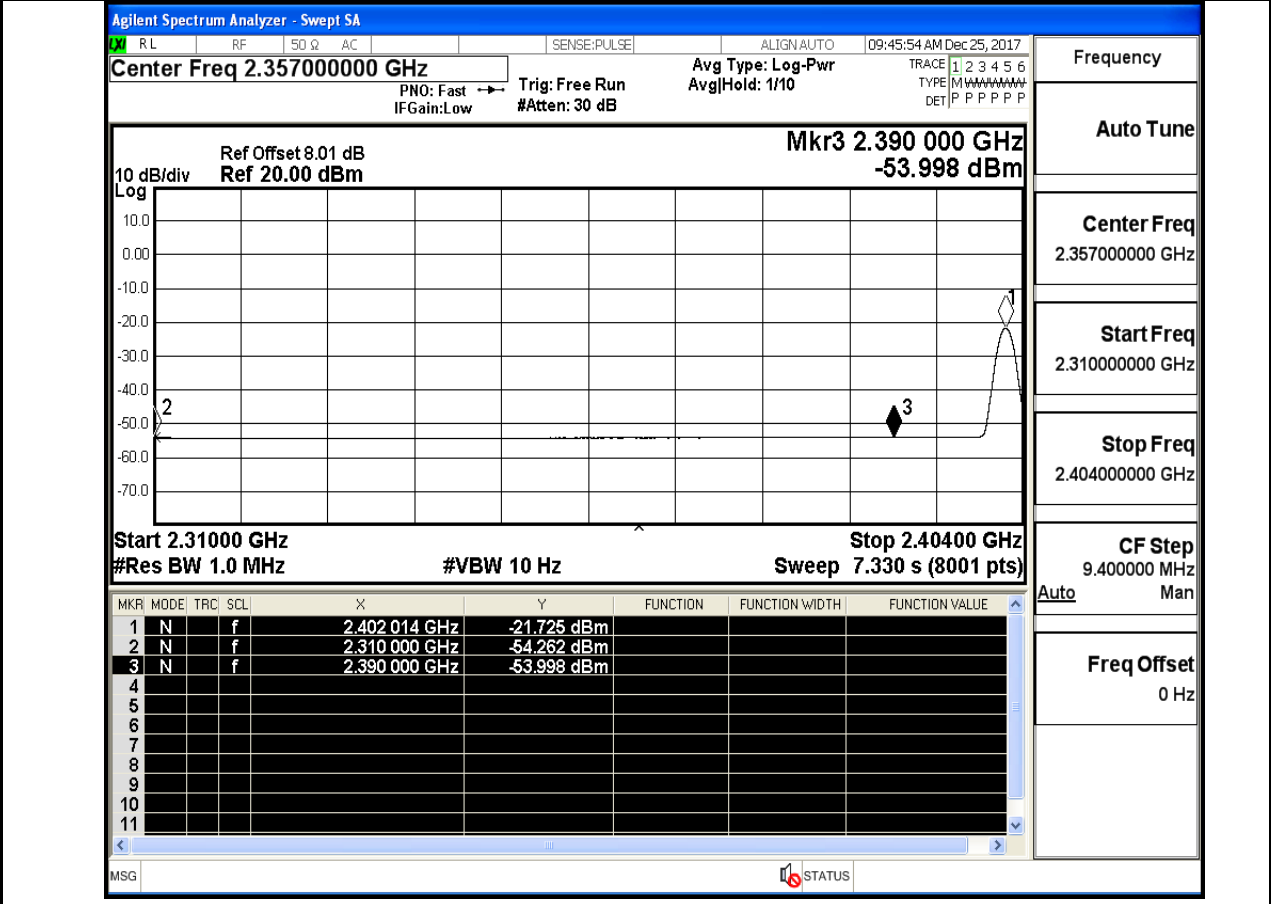
B.6 Restrict-band band-edge measurements

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	-43.97	2	0	53.29	PEAK	74	PASS
BT LE	2402	Ant1	2310.0	-54.26	2	0	43.00	AV	54	PASS
BT LE	2402	Ant1	2390.0	-43.01	2	0	54.25	PEAK	74	PASS
BT LE	2402	Ant1	2390.0	-54.00	2	0	43.26	AV	54	PASS
BT LE	2480	Ant1	2483.5	-44.59	2	0	52.66	PEAK	74	PASS
BT LE	2480	Ant1	2483.5	-53.74	2	0	43.52	AV	54	PASS
BT LE	2480	Ant1	2500.0	-43.14	2	0	54.12	PEAK	74	PASS
BT LE	2480	Ant1	2500.0	-53.61	2	0	43.64	AV	54	PASS

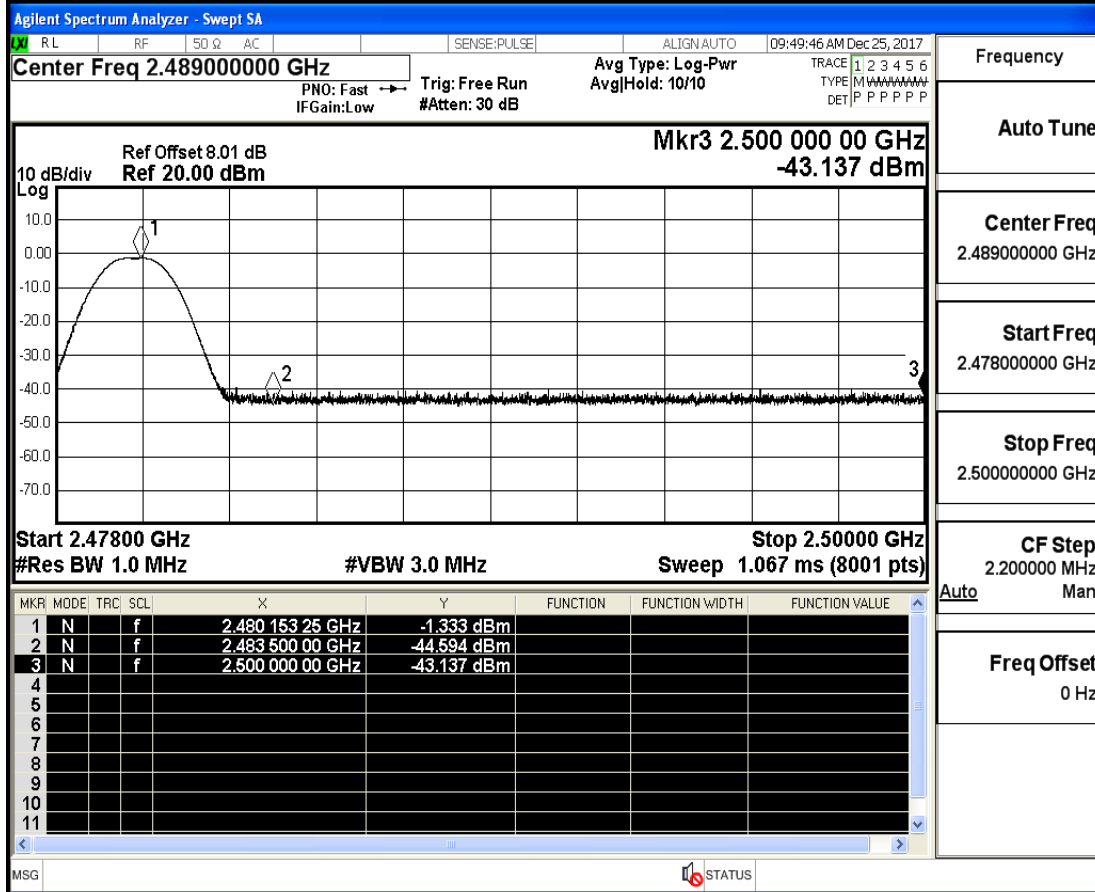
Restrict-band band-edge measurements_BT LE_2402_Ant1_PEAK



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

