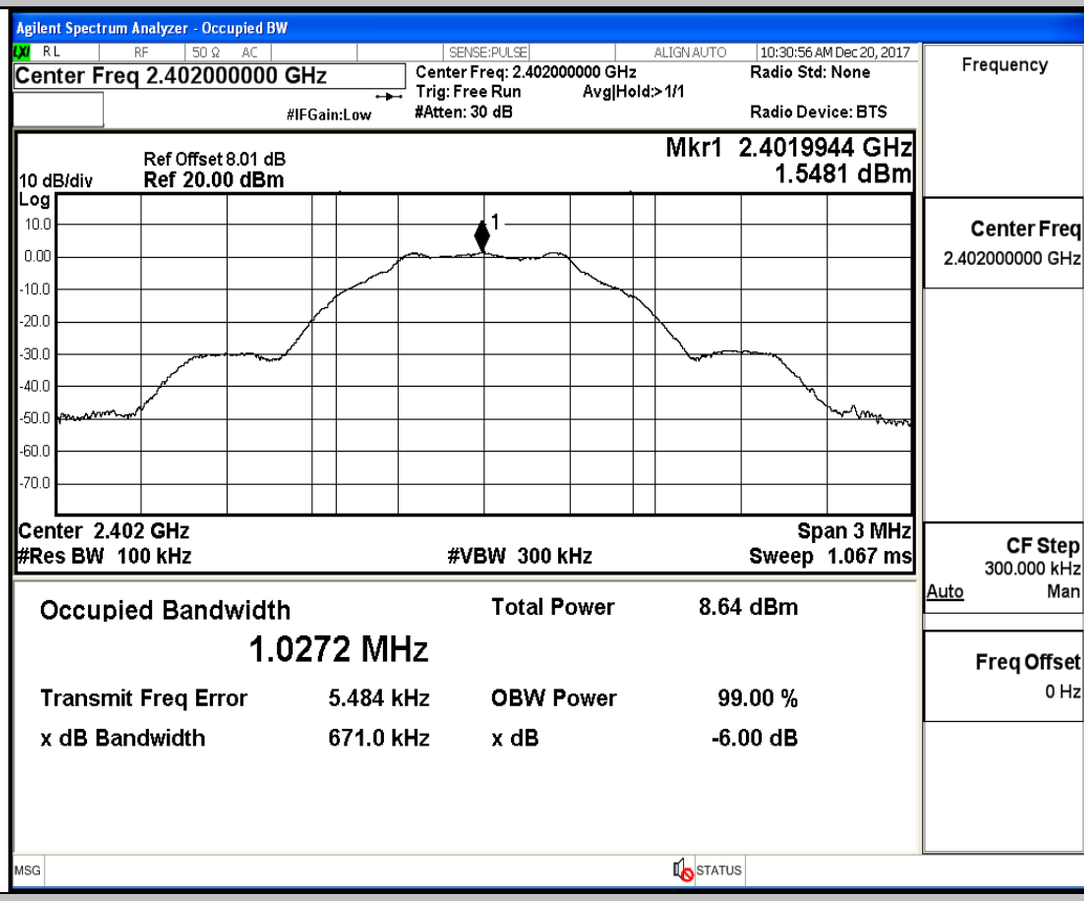
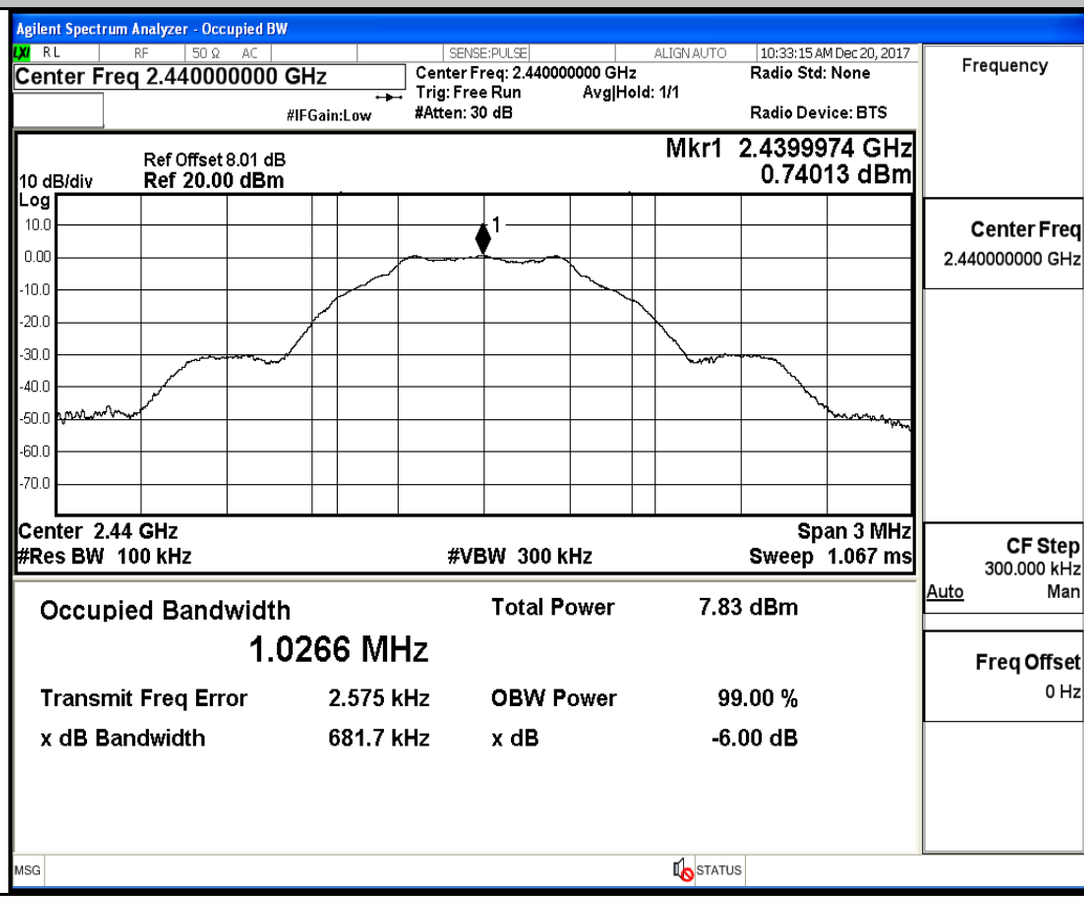
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.6710	0.5	PASS
BLE	2440	Ant1	0.6817	0.5	PASS
BLE	2480	Ant1	0.6917	0.5	PASS

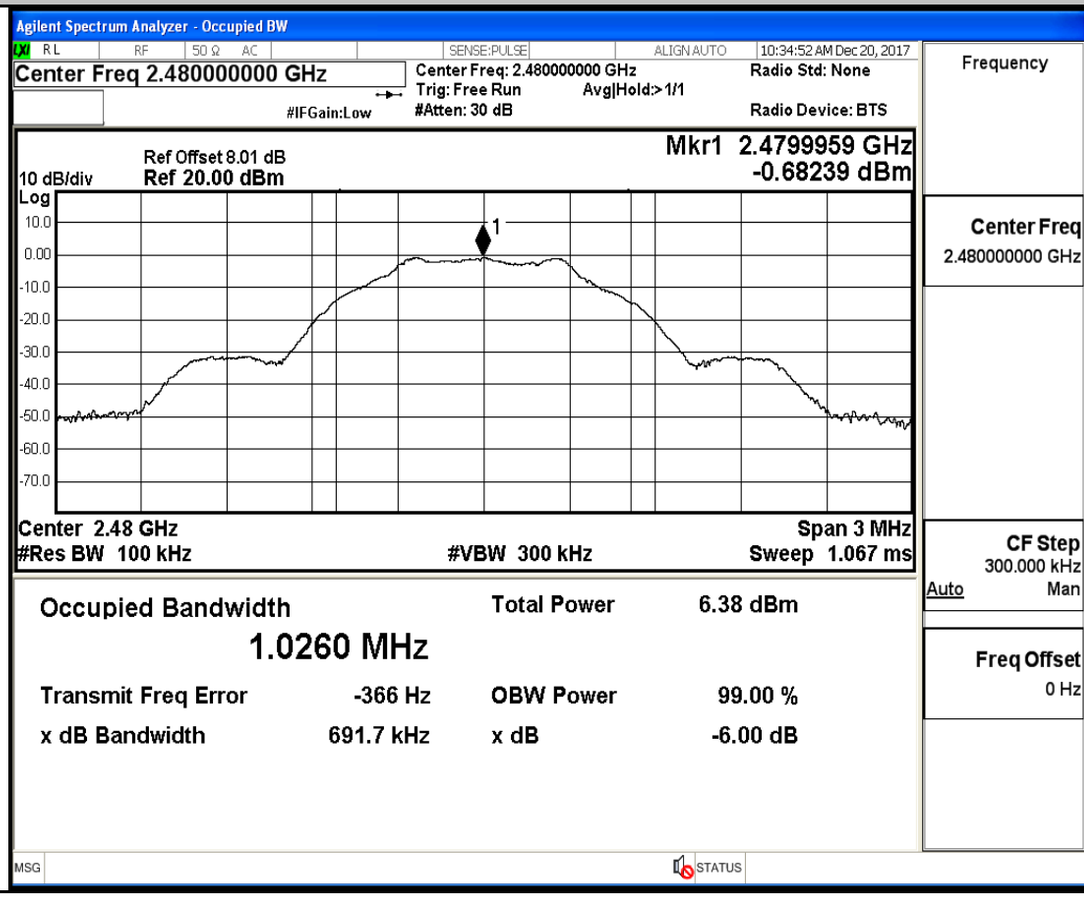
6dB Bandwidth_BLE_2402_Ant1



6dB Bandwidth_BLE_2440_Ant1



6dB Bandwidth_BLE_2480_Ant1



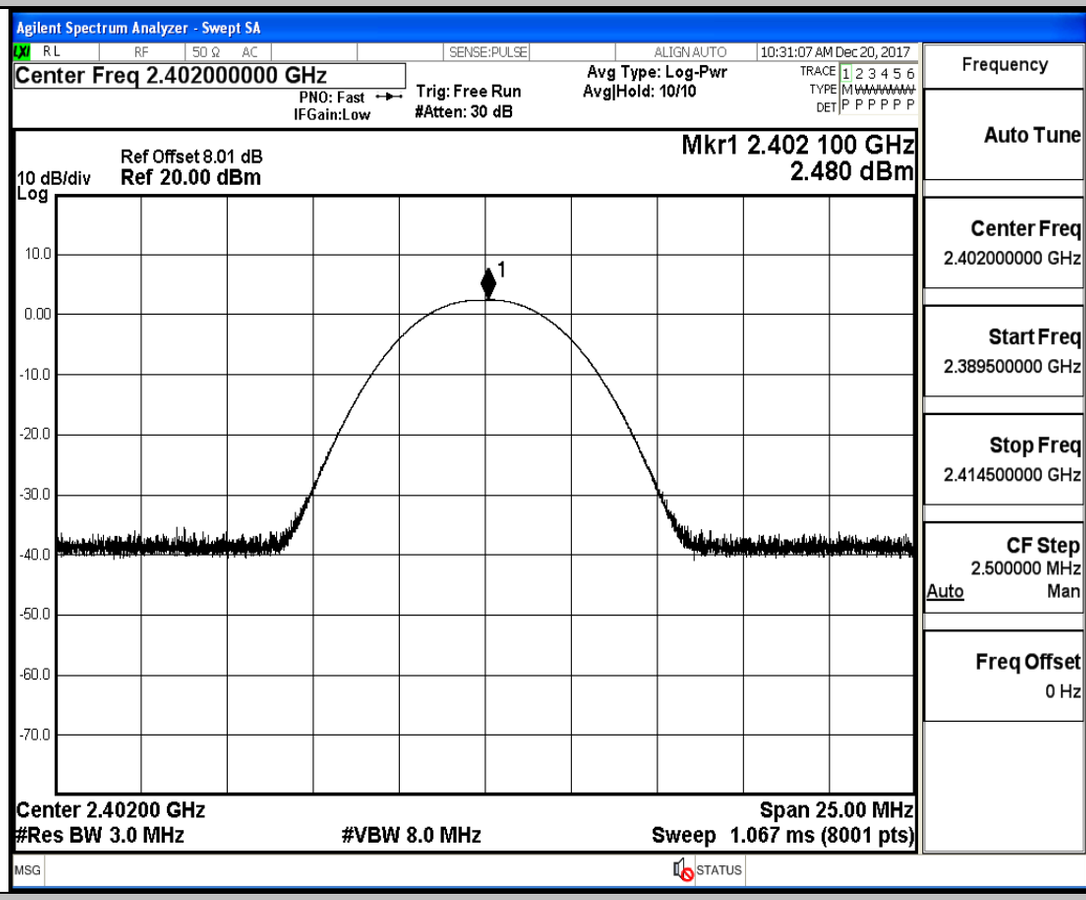
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict

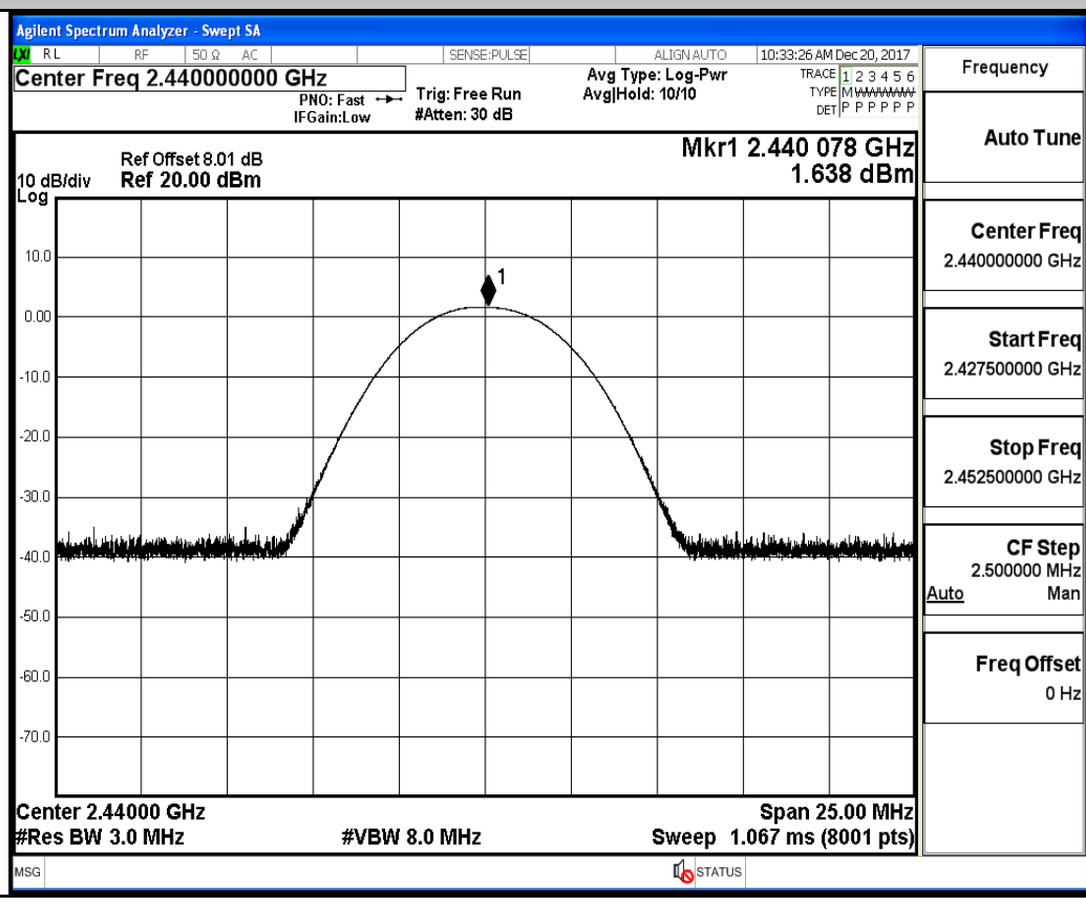
3.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	2.480	30	PASS
BLE	2440	Ant1	1.638	30	PASS
BLE	2480	Ant1	0.356	30	PASS

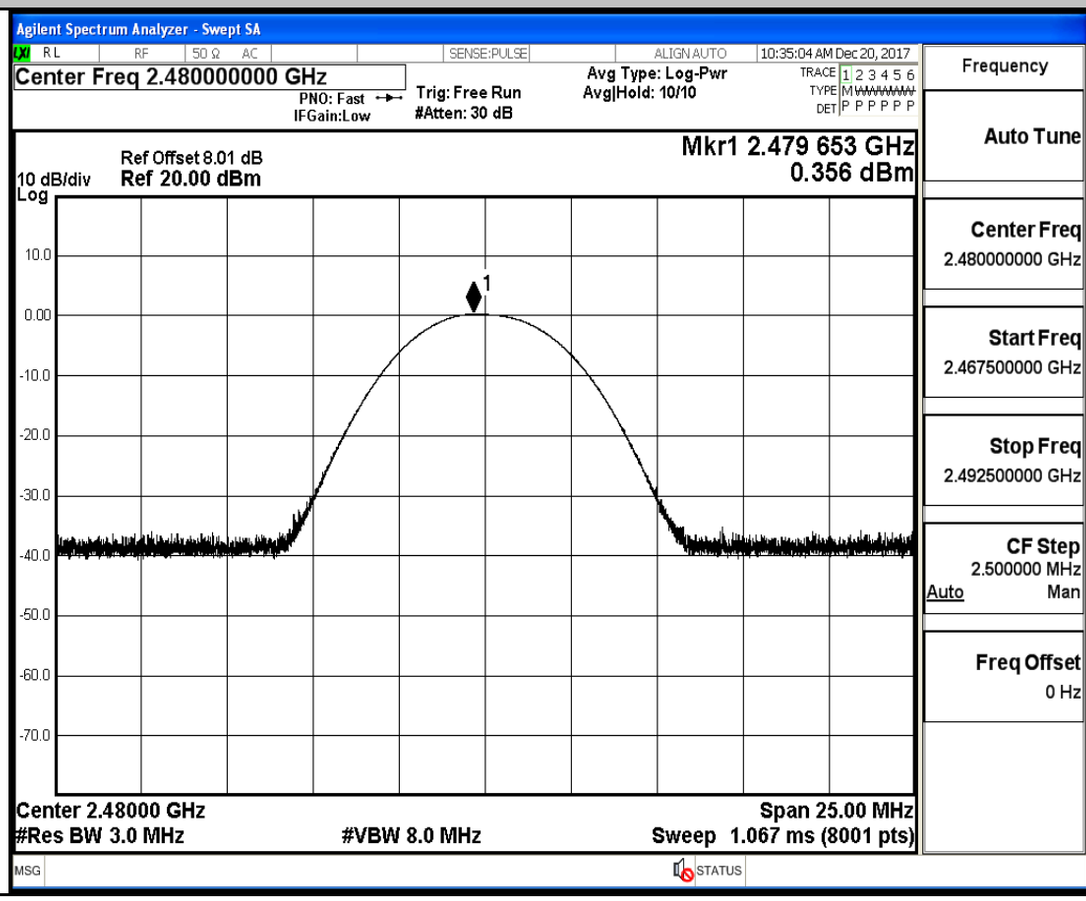
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



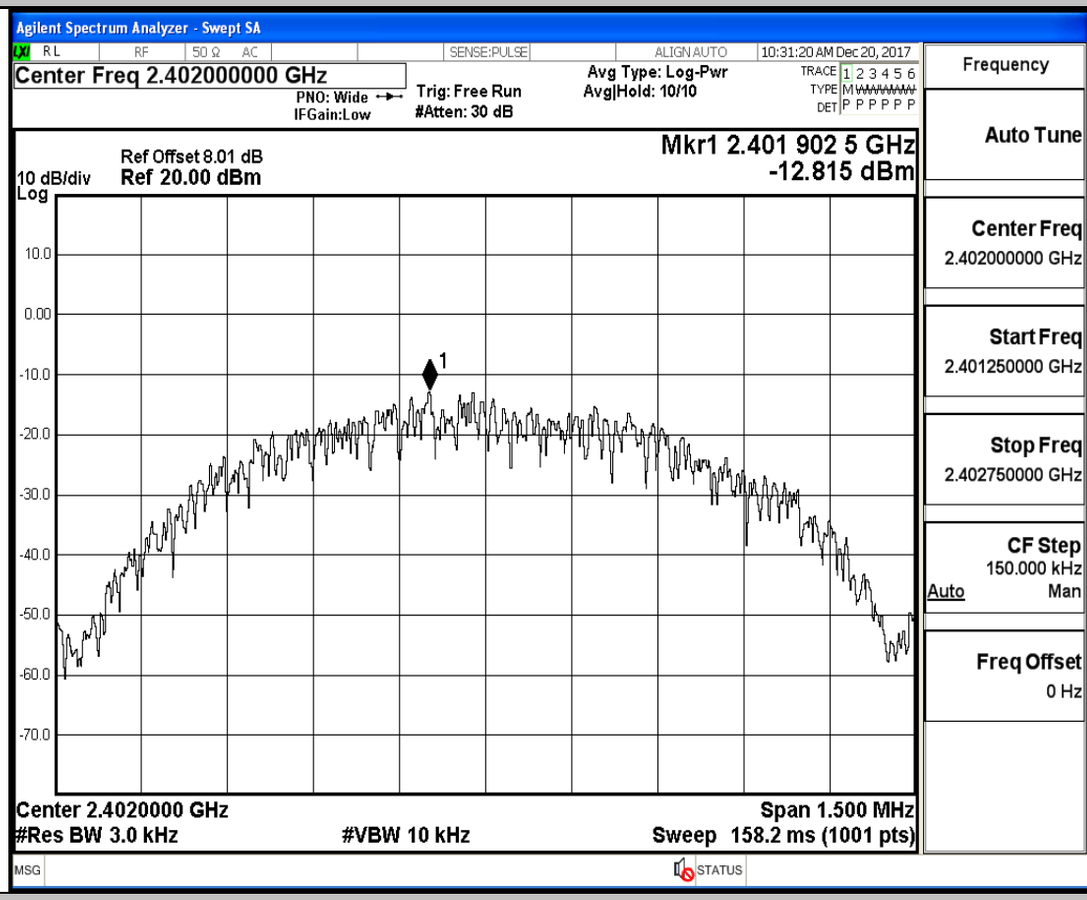
Maximum peak conducted output power_BLE_2480_Ant1



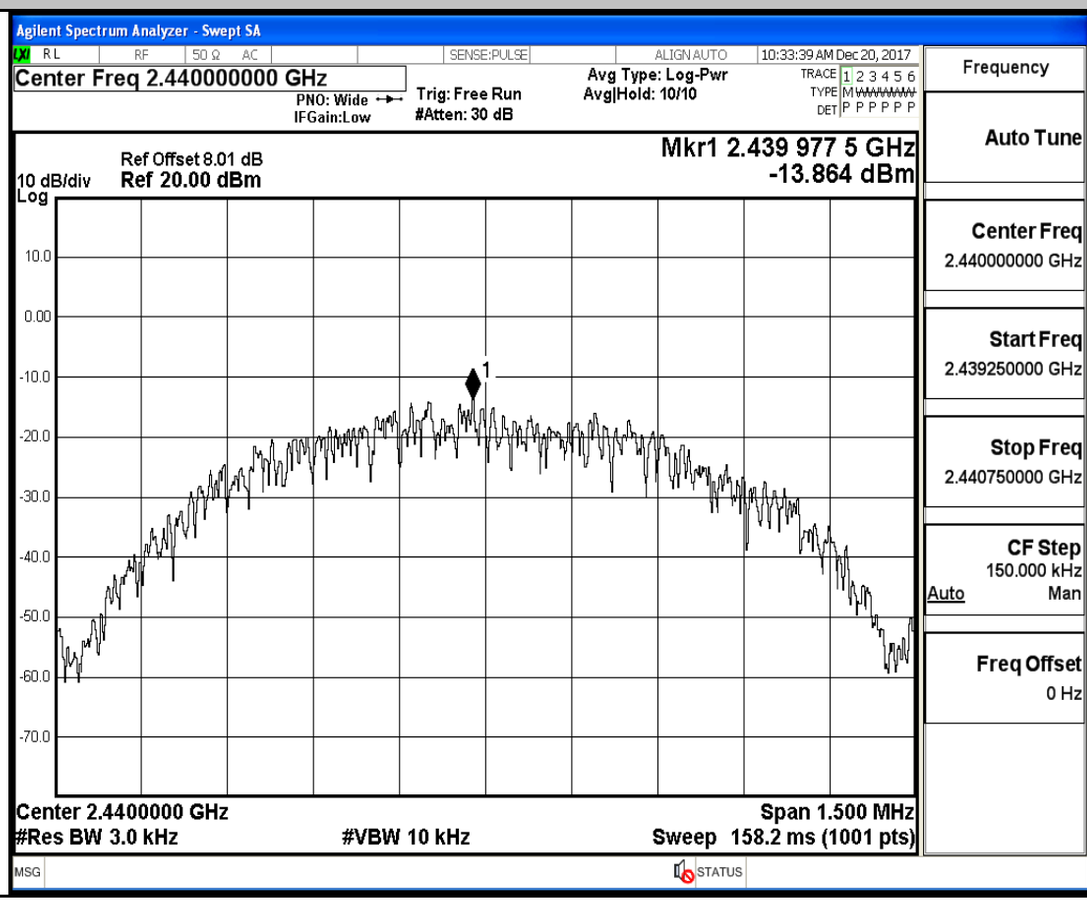
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-12.815	8.00	PASS
BLE	2440	Ant1	-13.864	8.00	PASS
BLE	2480	Ant1	-14.977	8.00	PASS

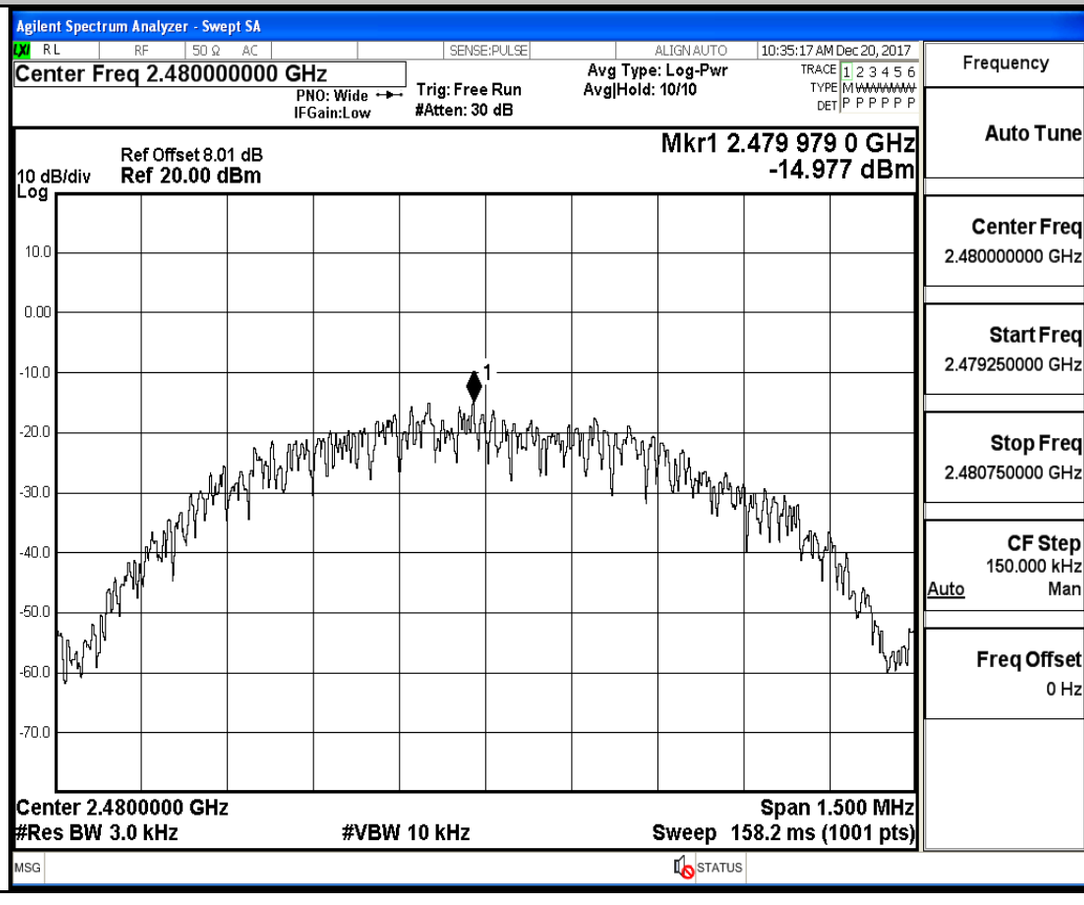
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



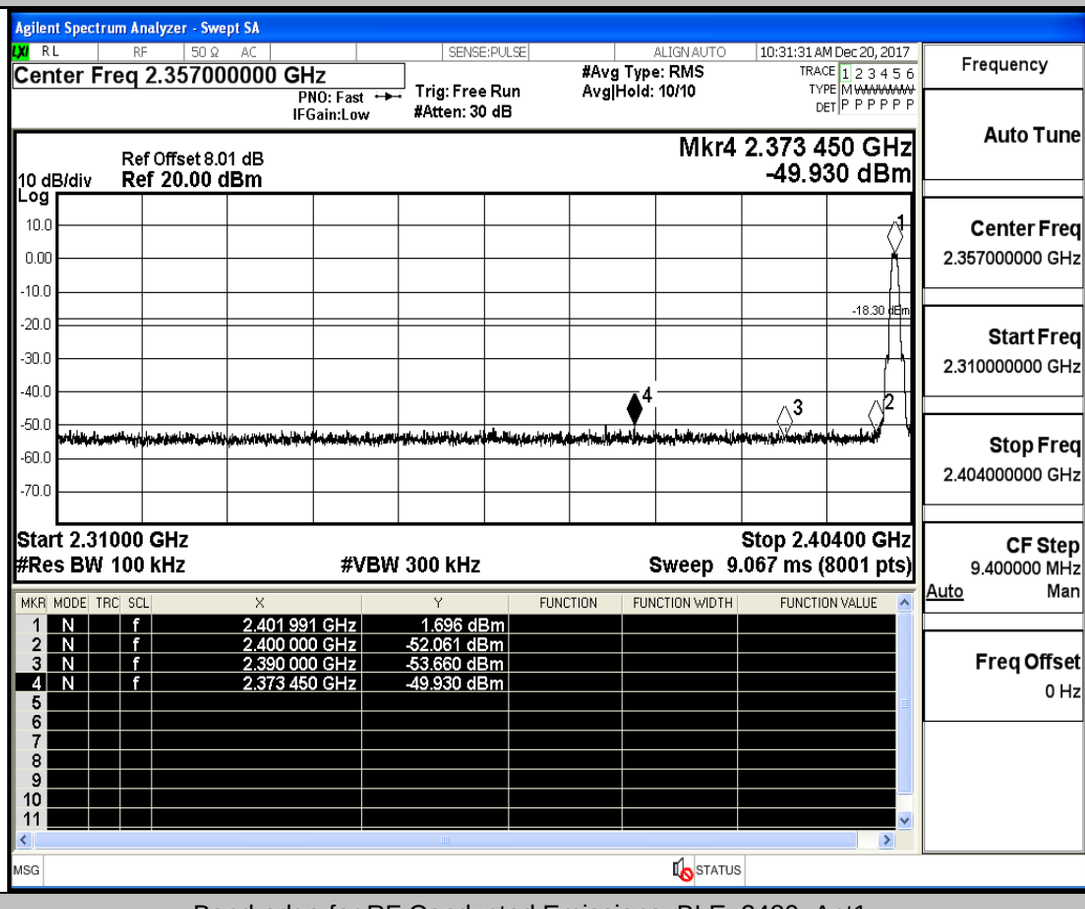
Maximum Peak power spectral density_BLE_2480_Ant1



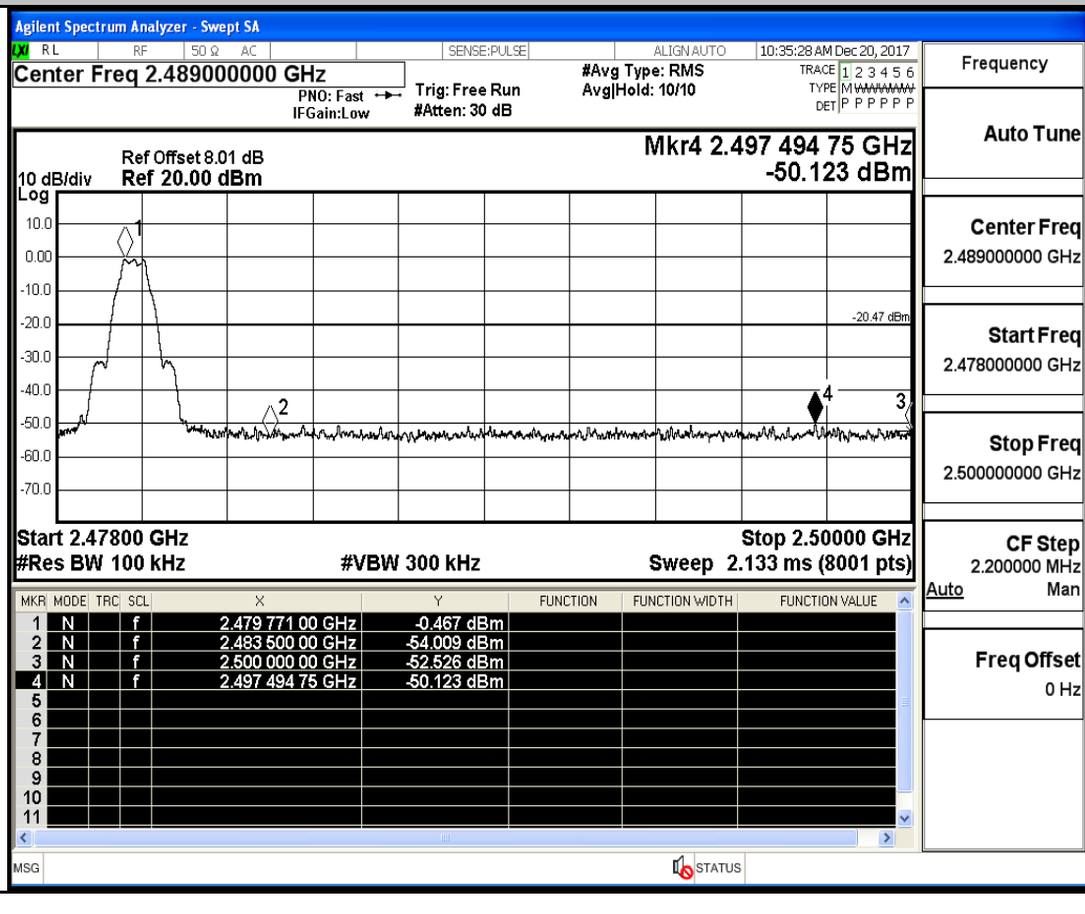
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	1.696	-49.930	-18.3	PASS
BLE	2480	Ant1	-0.467	-50.123	-20.47	PASS

Band-edge for RF Conducted Emissions_BLE_2402_Ant1



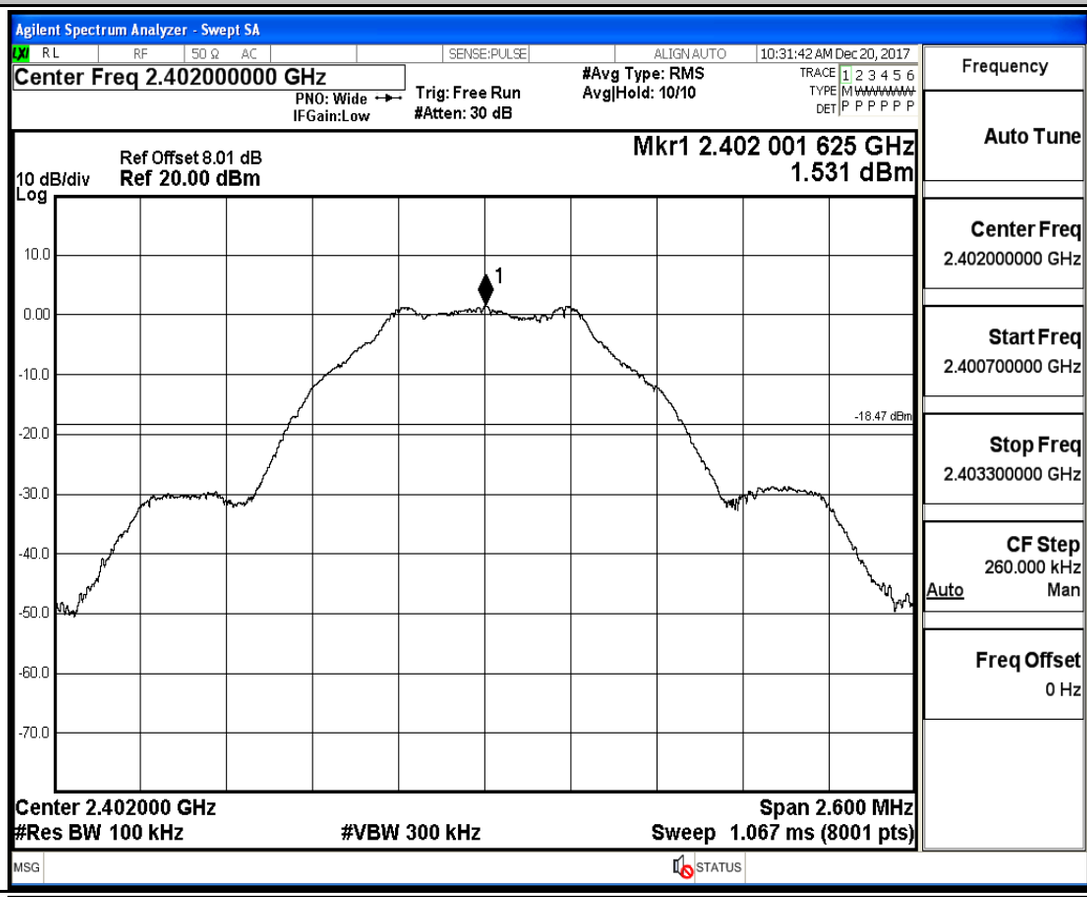
Band-edge for RF Conducted Emissions_BLE_2480_Ant1

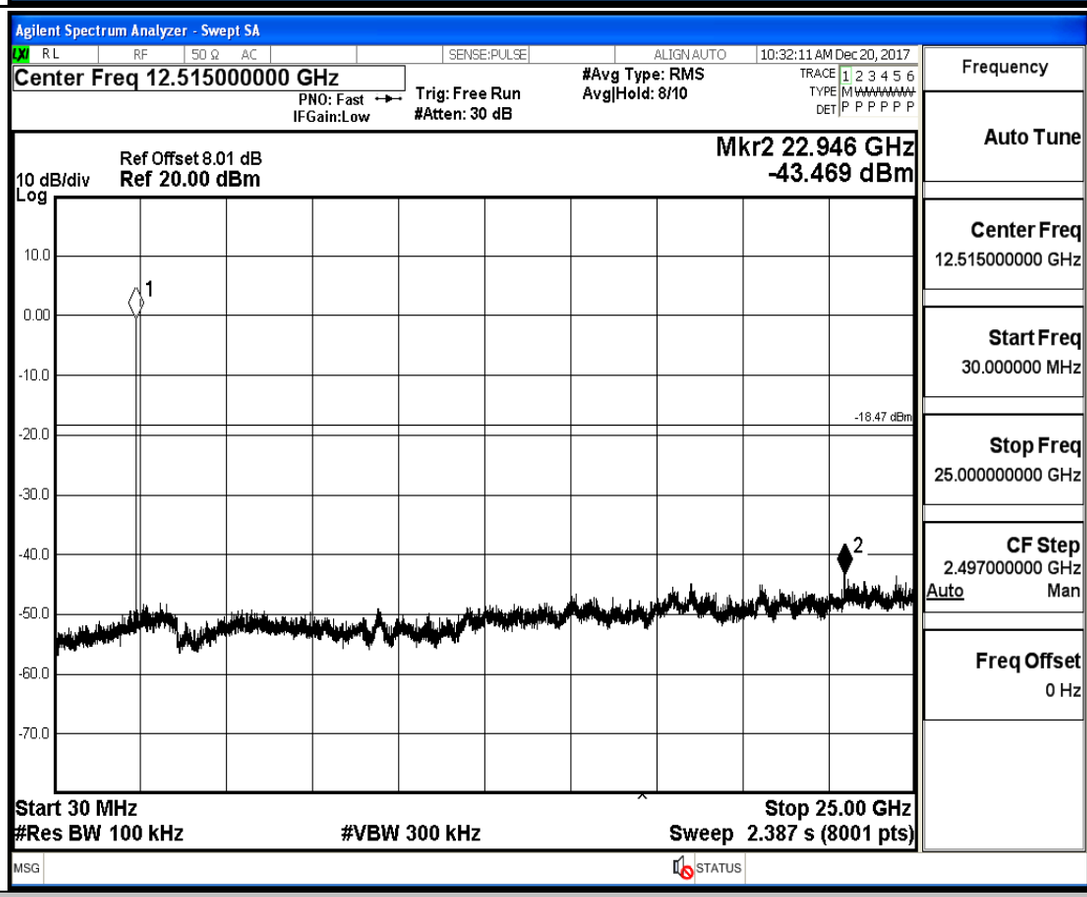


6.RF Conducted Spurious Emissions

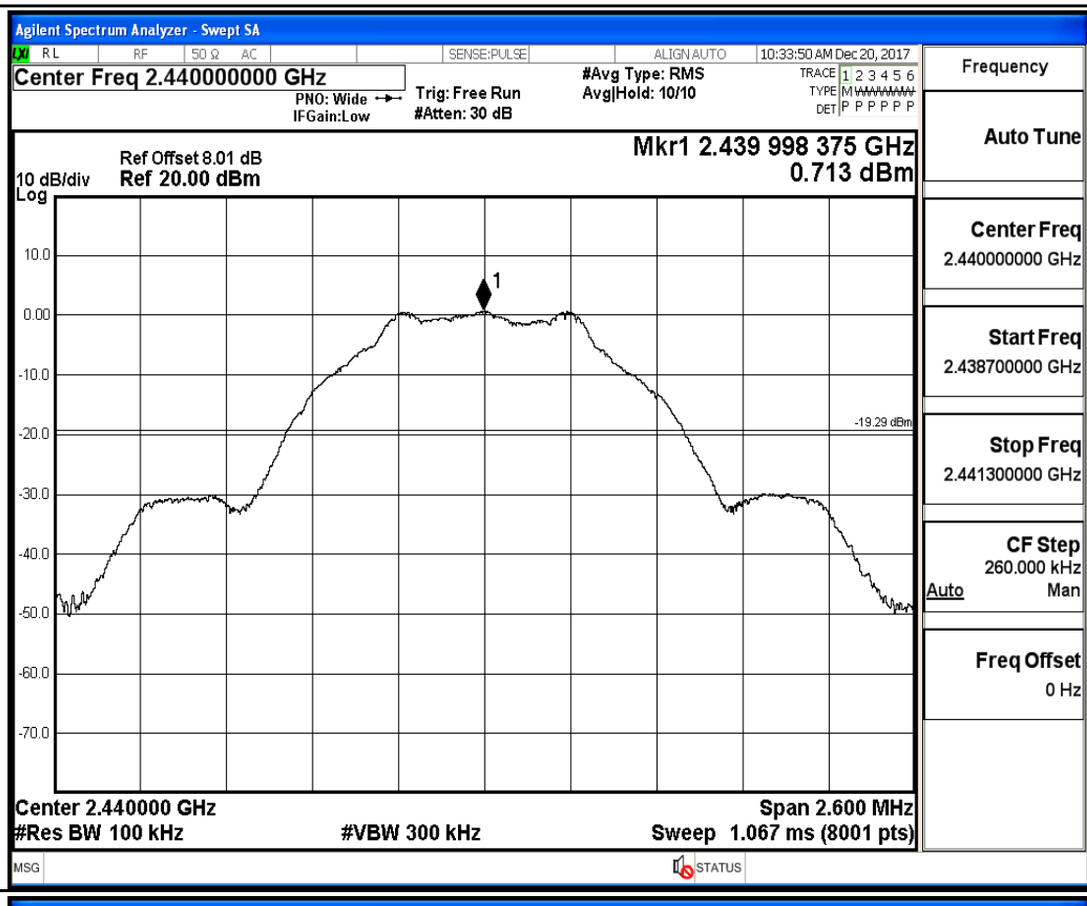
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	30	25000	100	300	1.531	-43.469	<-18.469	PASS
BLE	2440	Ant1	30	25000	100	300	0.713	-44.404	<-19.287	PASS
BLE	2480	Ant1	30	25000	100	300	-0.688	-43.695	<-20.688	PASS

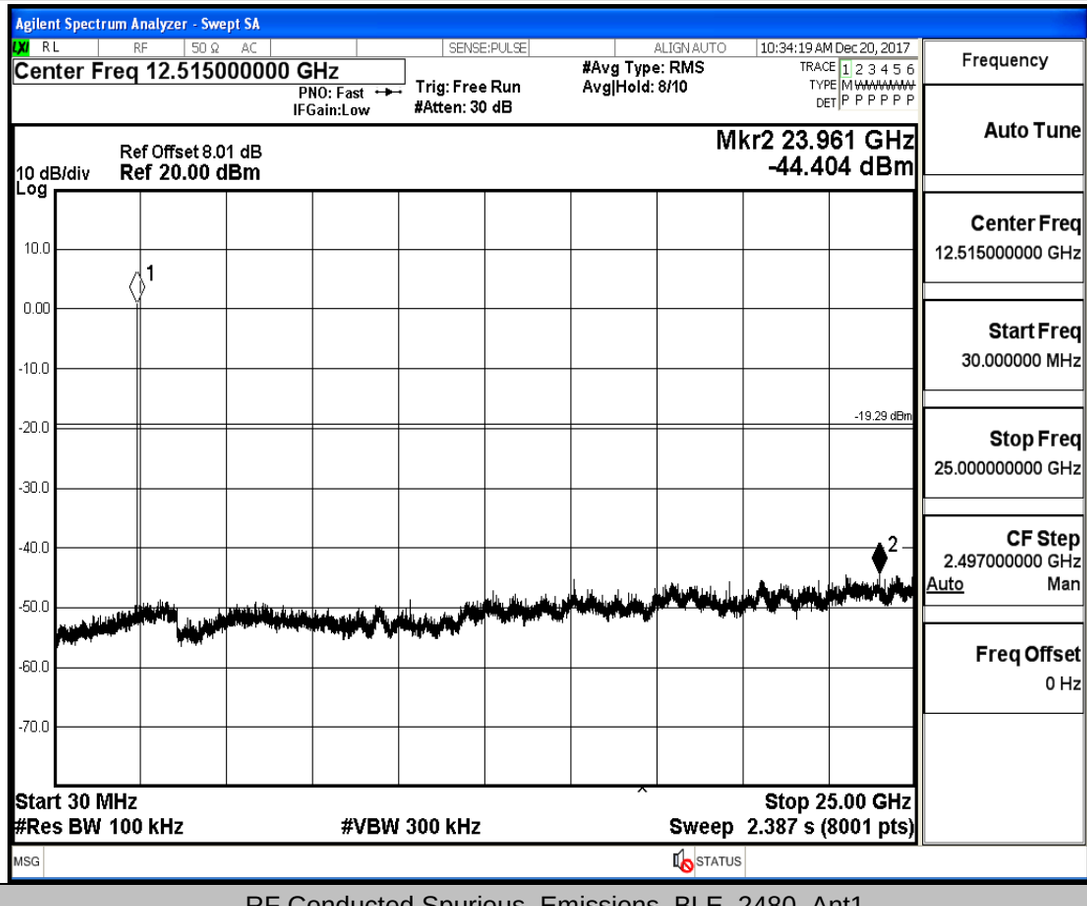
RF Conducted Spurious Emissions_BLE_2402_Ant1



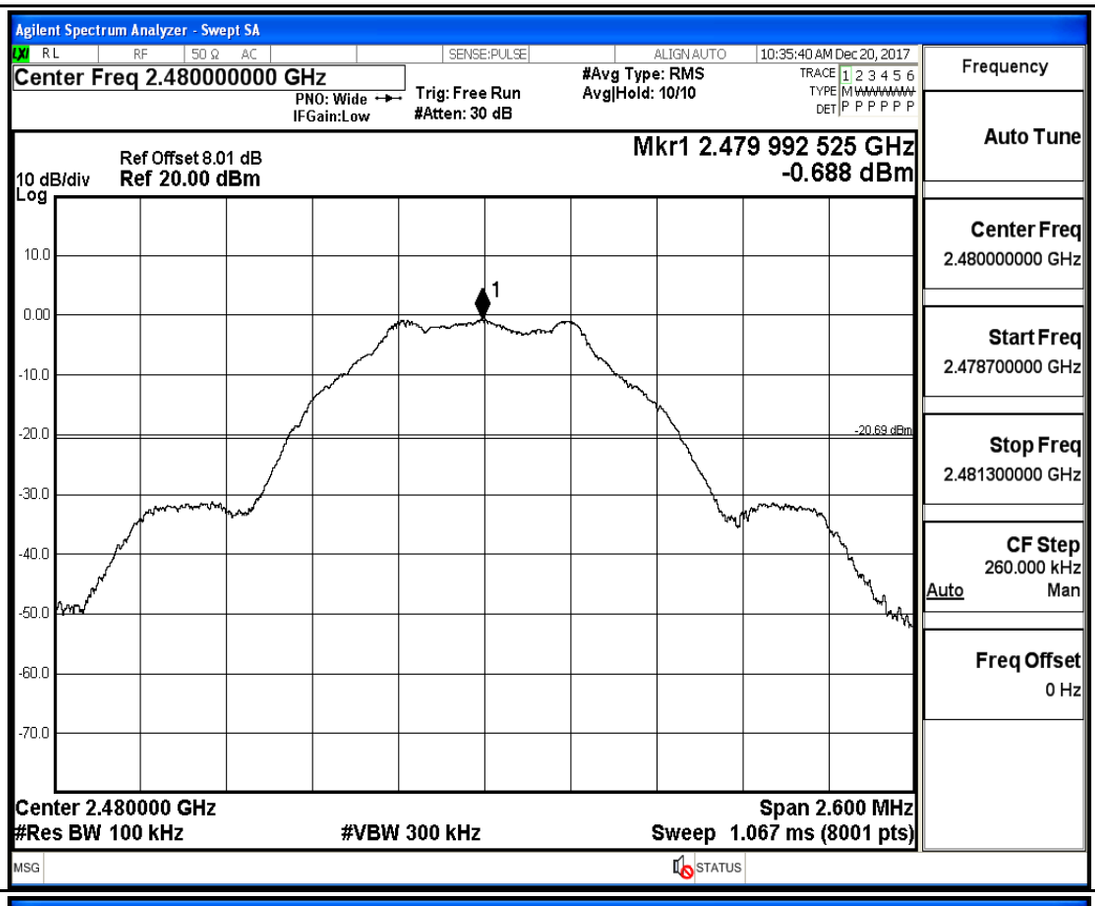


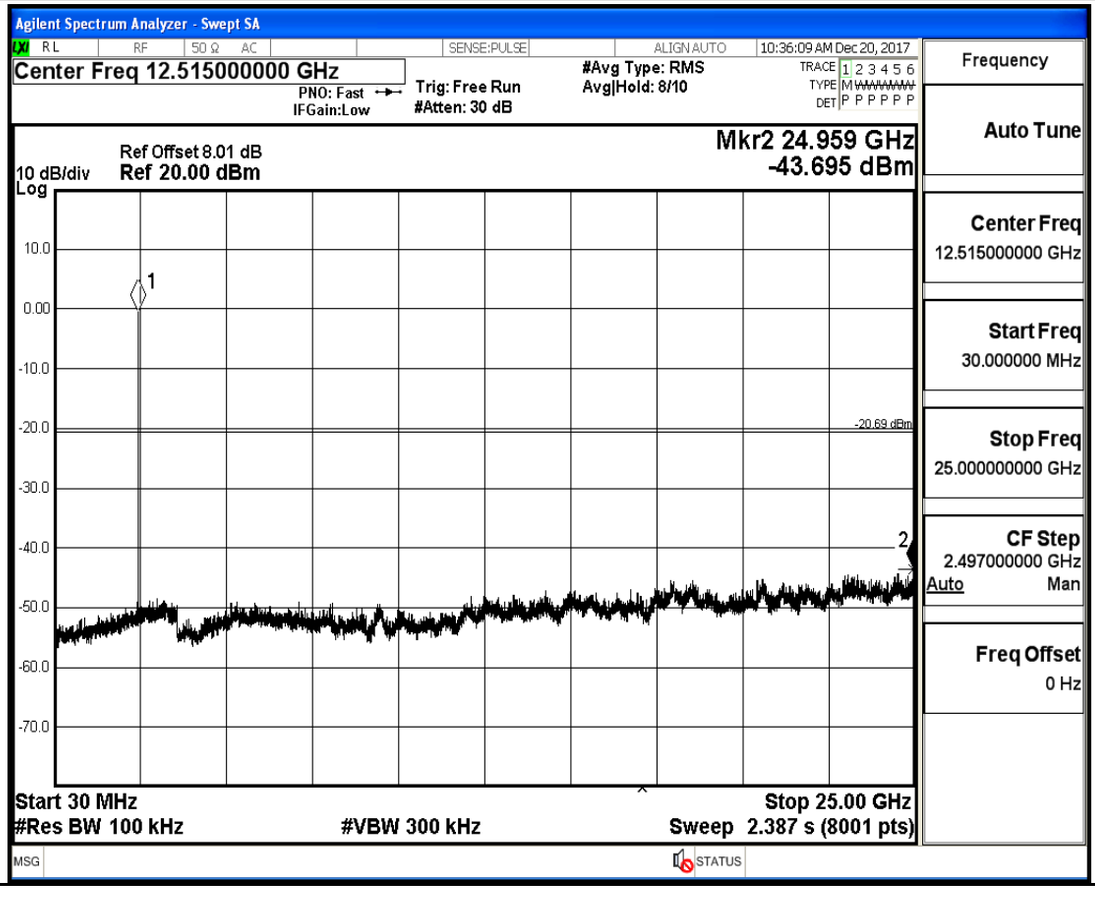
RF Conducted Spurious Emissions_BLE_2440_Ant1





RF Conducted Spurious Emissions_BLE_2480_Ant1

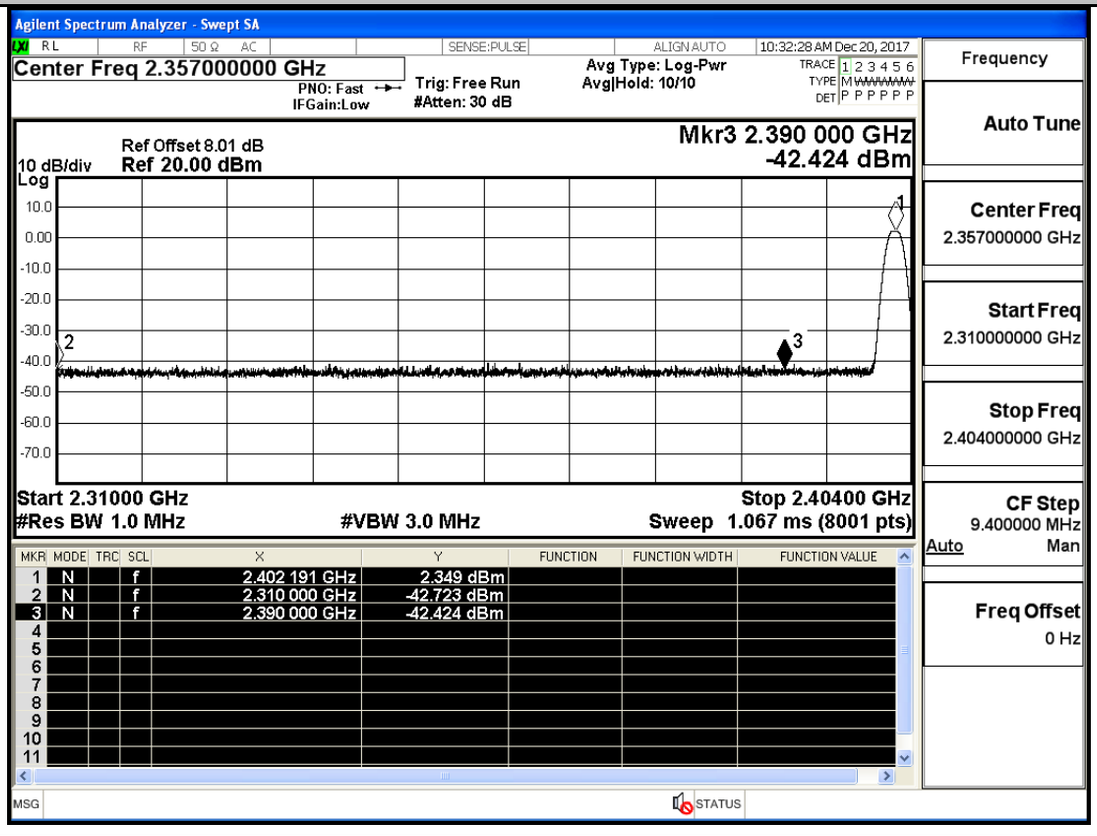

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/10
10:35:40 AM Dec 20, 2017
Ref Offset 8.01 dB
10 dB/div Ref 20.00 dBm
Log
Mkr1 2.479 992 525 GHz
-0.688 dBm
-20.69 dBm
Center 2.480000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 2.600 MHz
Sweep 1.067 ms (8001 pts)
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.478700000 GHz
Stop Freq
2.481300000 GHz
CF Step
260.000 kHz
Auto Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 12.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 8/10
10:36:09 AM Dec 20, 2017
Ref Offset 8.01 dB
10 dB/div Ref 20.00 dBm
Log
Mkr2 24.959 GHz
-43.695 dBm
-20.69 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.387 s (8001 pts)
Frequency
Auto Tune
Center Freq
12.515000000 GHz
Start Freq
30.000000 MHz
Stop Freq
25.000000000 GHz
CF Step
2.497000000 GHz
Auto Man
Freq Offset
0 Hz

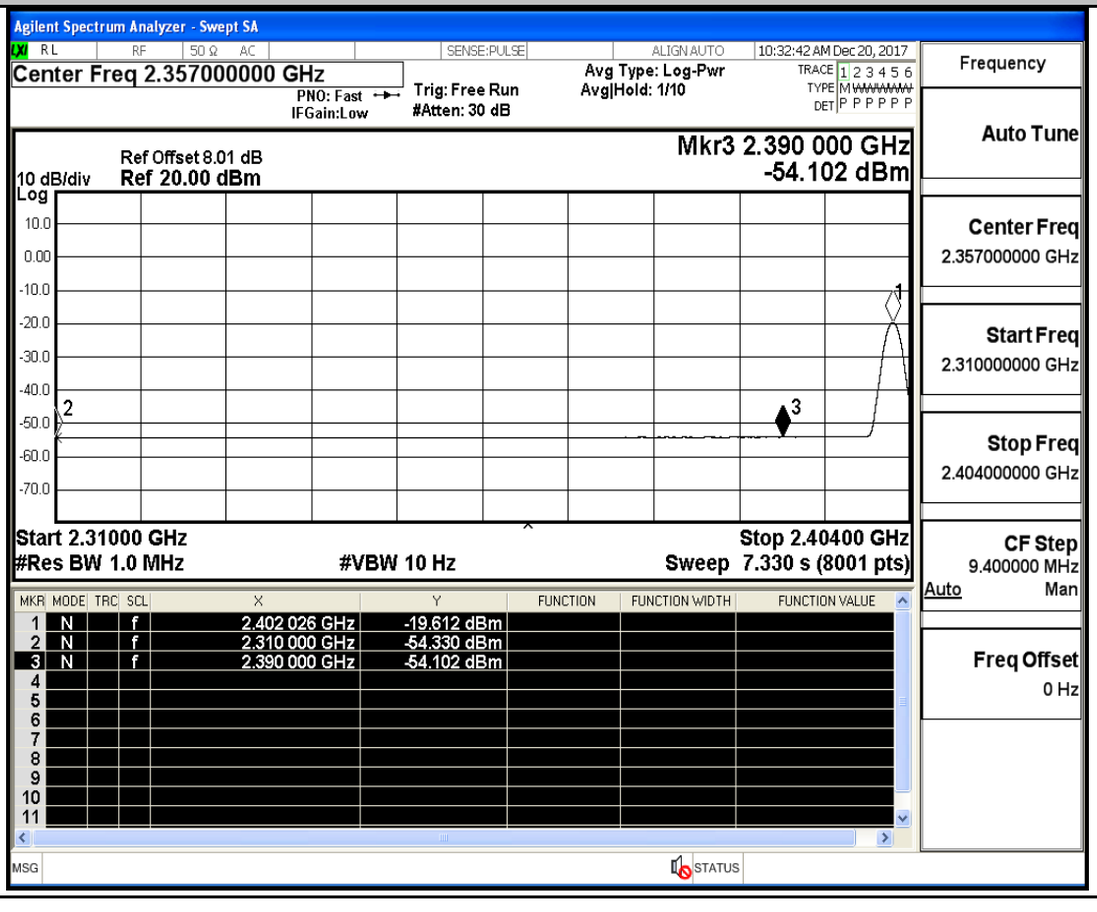
7.Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BLE	2402	Ant1	2310.0	-42.72	2	0	54.53	PEAK	74	PASS
BLE	2402	Ant1	2310.0	-54.33	2	0	42.93	AV	54	PASS
BLE	2402	Ant1	2390.0	-42.42	2	0	54.83	PEAK	74	PASS
BLE	2402	Ant1	2390.0	-54.10	2	0	43.16	AV	54	PASS
BLE	2480	Ant1	2483.5	-44.09	2	0	53.17	PEAK	74	PASS
BLE	2480	Ant1	2483.5	-53.86	2	0	43.40	AV	54	PASS
BLE	2480	Ant1	2500.0	-40.58	2	0	56.68	PEAK	74	PASS
BLE	2480	Ant1	2500.0	-53.73	2	0	43.53	AV	54	PASS

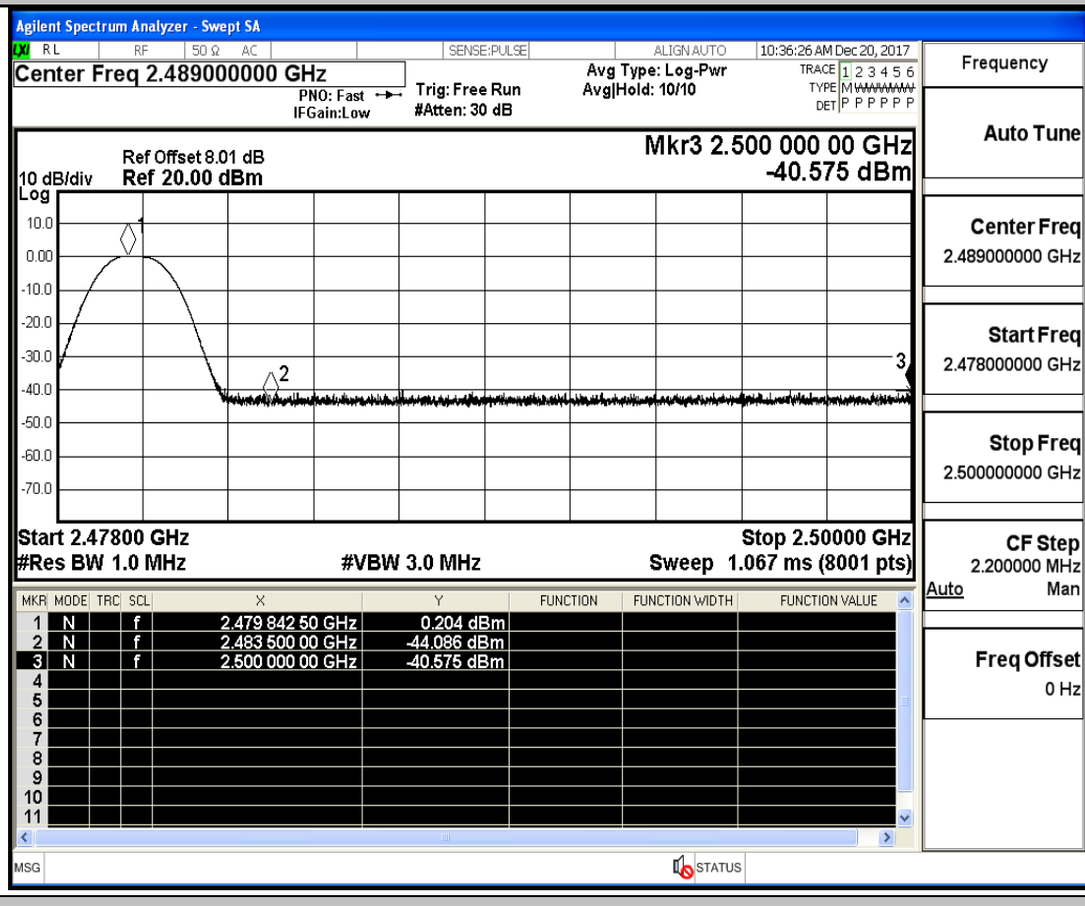
Restrict-band band-edge measurements_BLE_2402_Ant1_PEAK



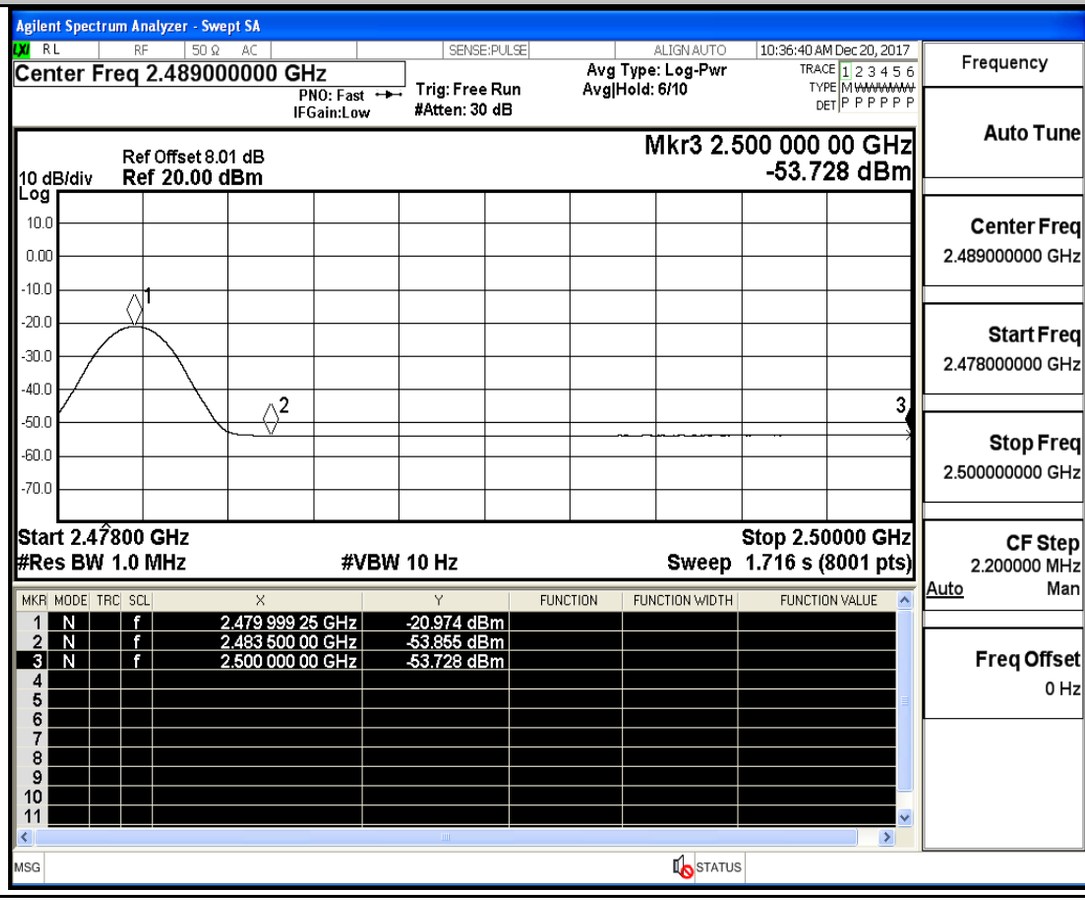
Restrict-band band-edge measurements_BLE_2402_Ant1_AV



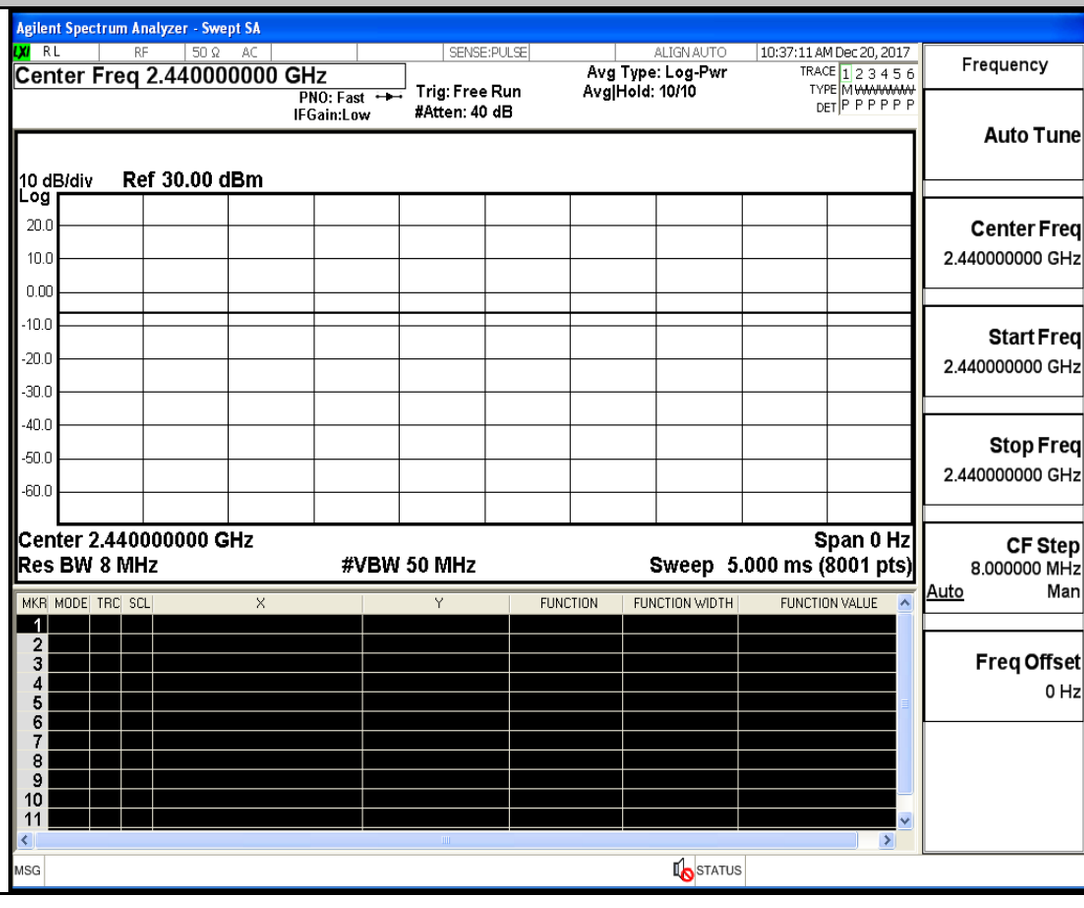
Restrict-band band-edge measurements_BLE_2480_Ant1_PEAK



Restrict-band band-edge measurements_BLE_2480_Ant1_AV



8.Duty Cycle

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

Duty Cycle_BLE_2440_Ant1