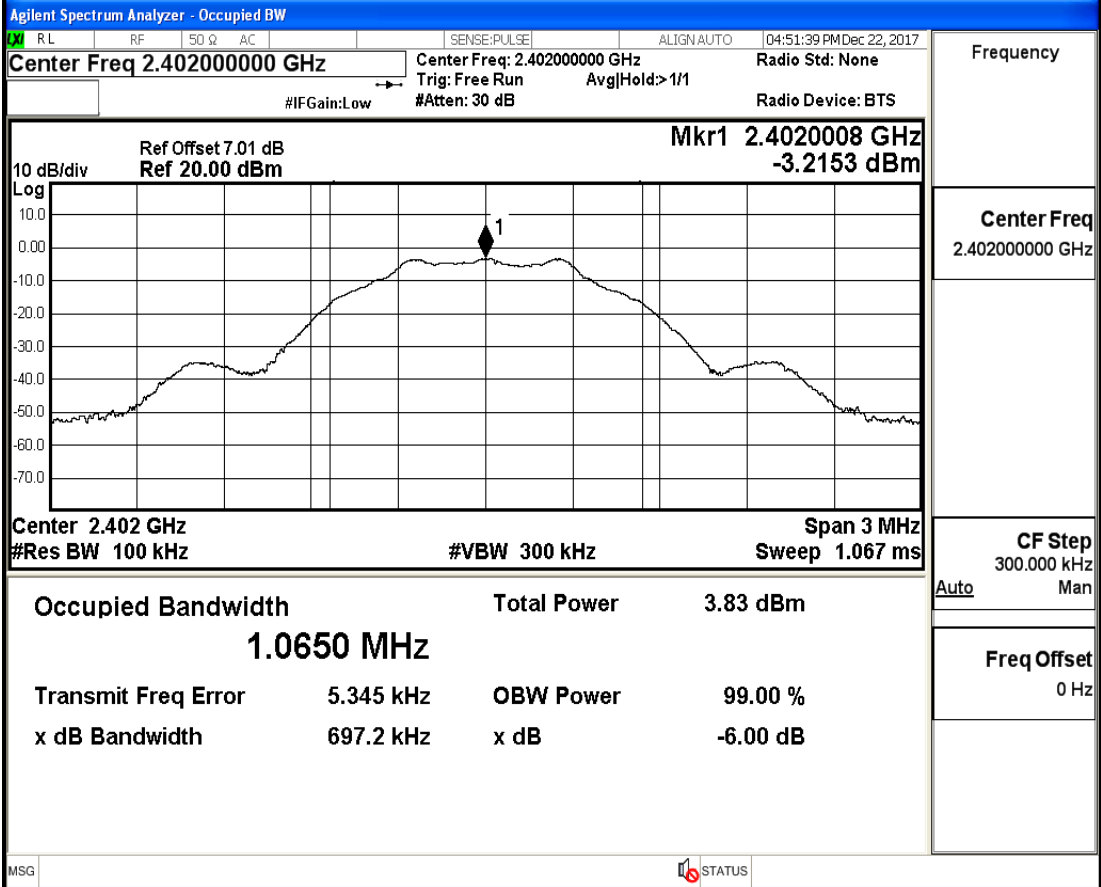


1.6dB Bandwidth

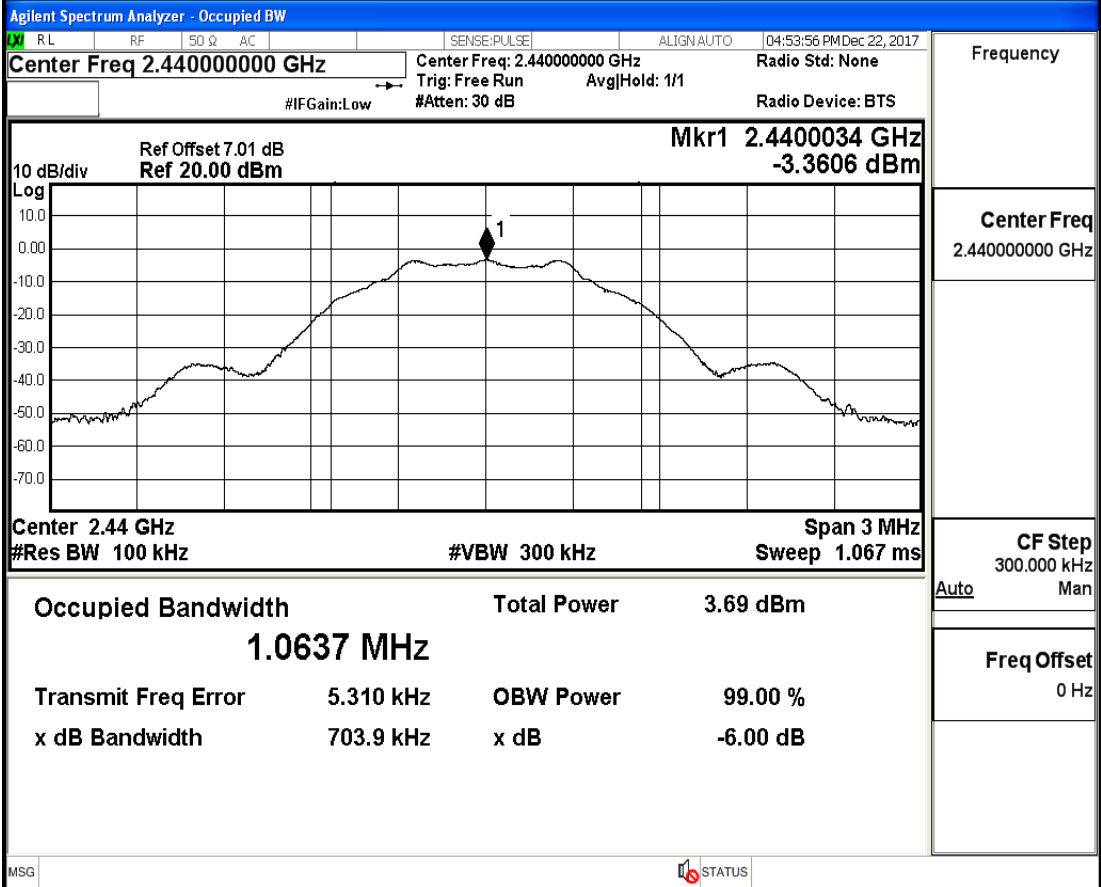
Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	0.6972	0.5	PASS
BLE	2440	Ant1	0.7039	0.5	PASS
BLE	2480	Ant1	0.6971	0.5	PASS

6dB Bandwidth_BLE_2402_Ant1

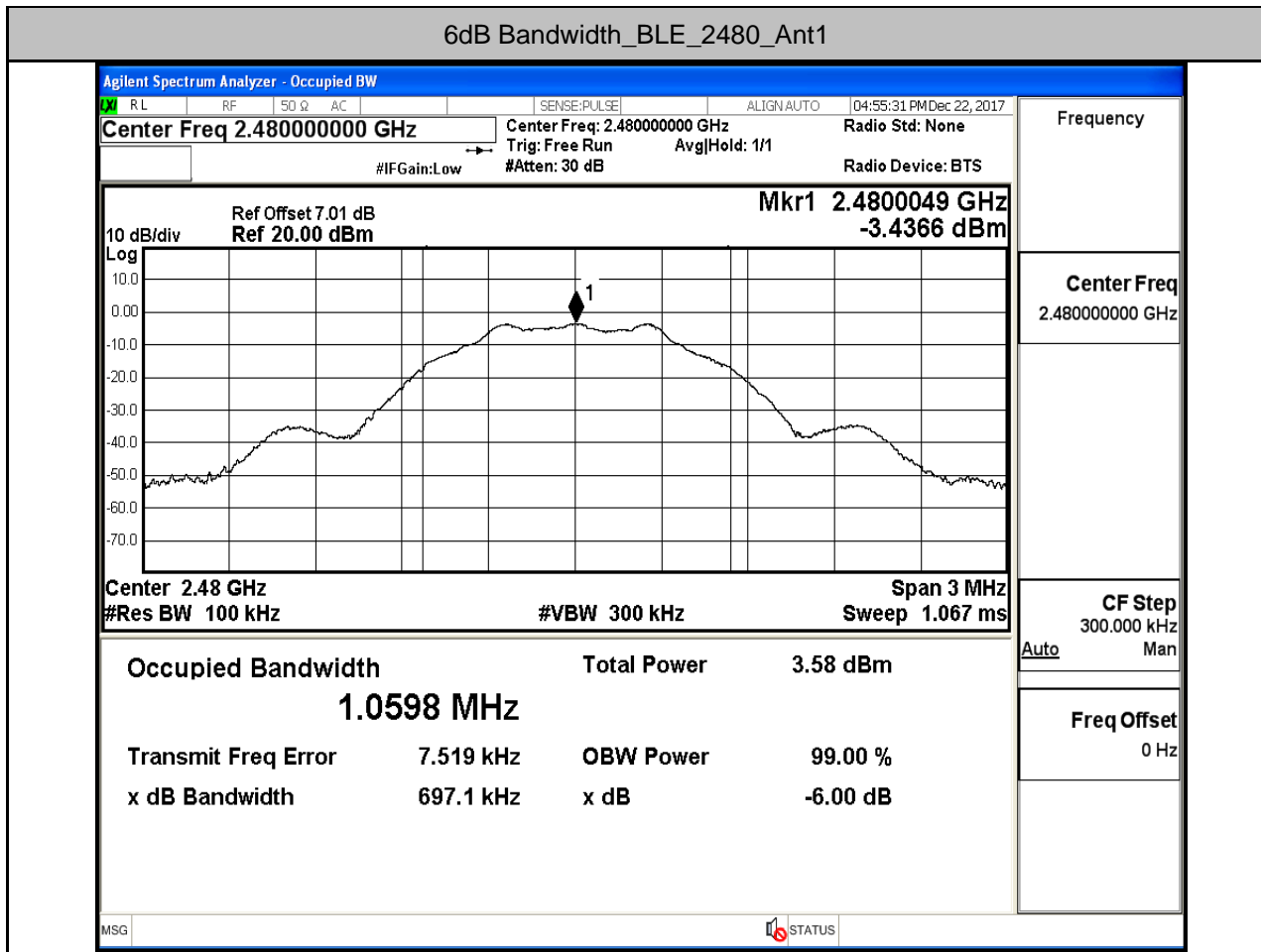


Frequency	2.40200000 GHz
Center Freq	2.40200000 GHz
CF Step	300.000 kHz
Auto	Man
Freq Offset	0 Hz

6dB Bandwidth_BLE_2440_Ant1



Frequency	2.44000000 GHz
Center Freq	2.44000000 GHz
CF Step	300.000 kHz
Auto	Man
Freq Offset	0 Hz



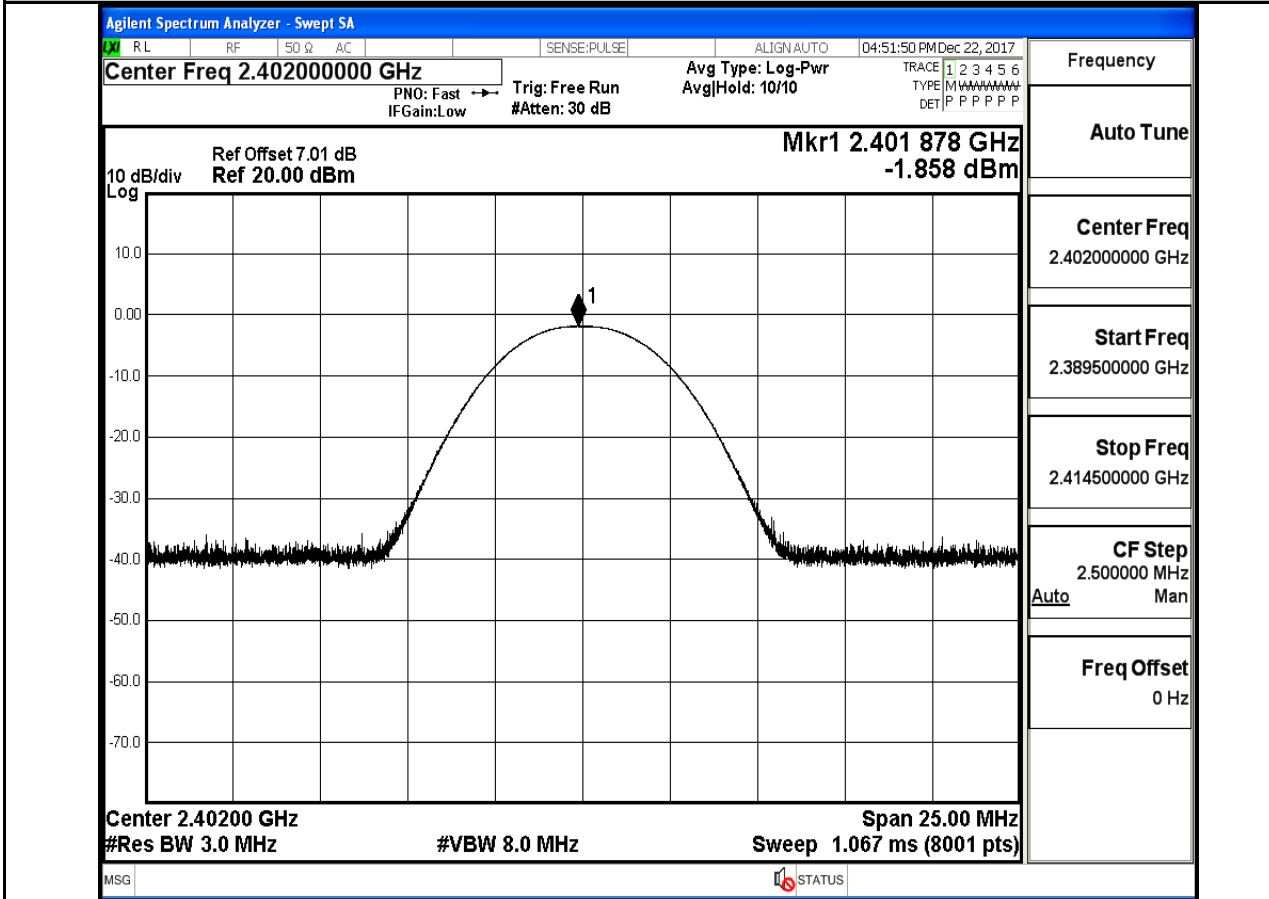
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
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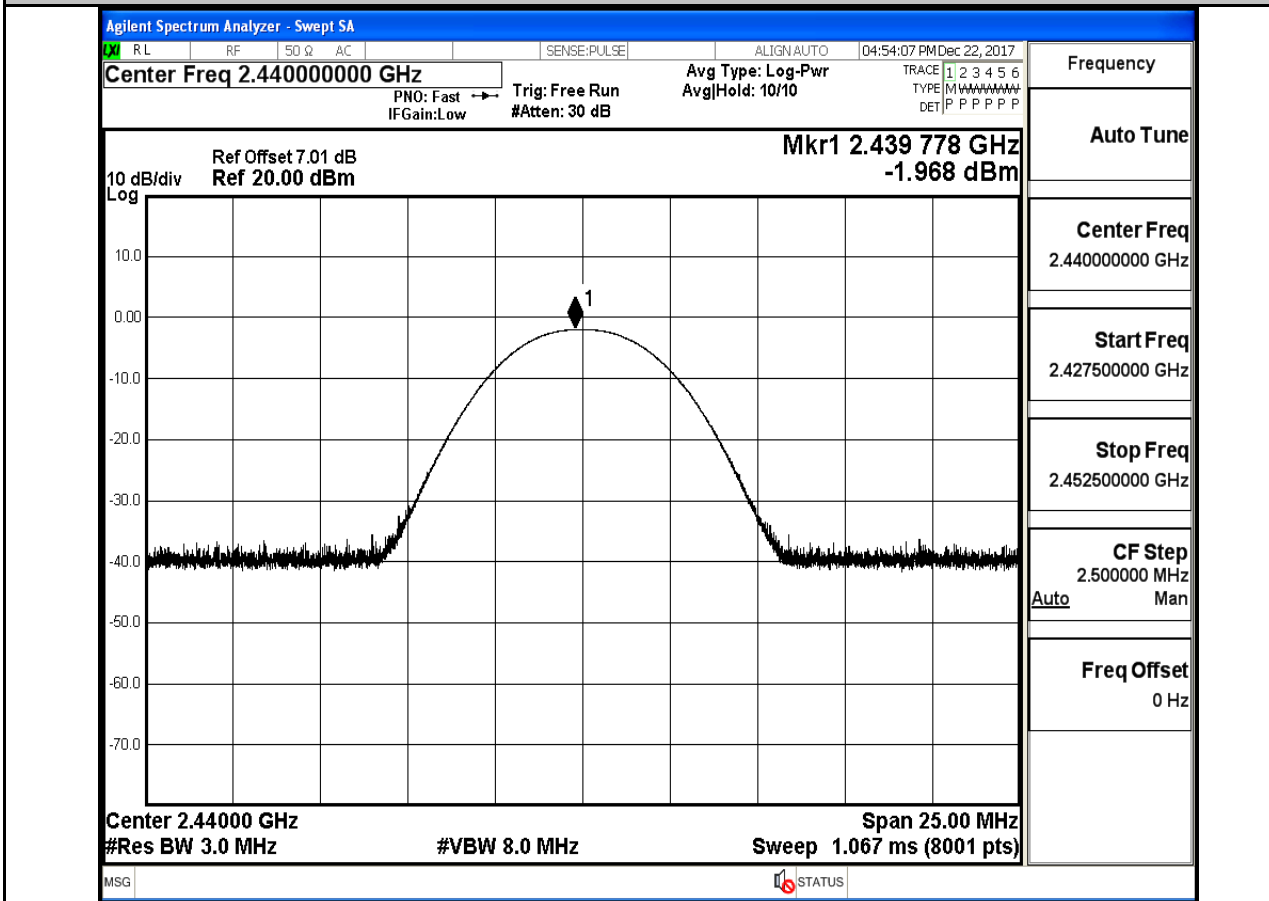
3.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	-1.858	30	PASS
BLE	2440	Ant1	-1.968	30	PASS
BLE	2480	Ant1	-2.043	30	PASS

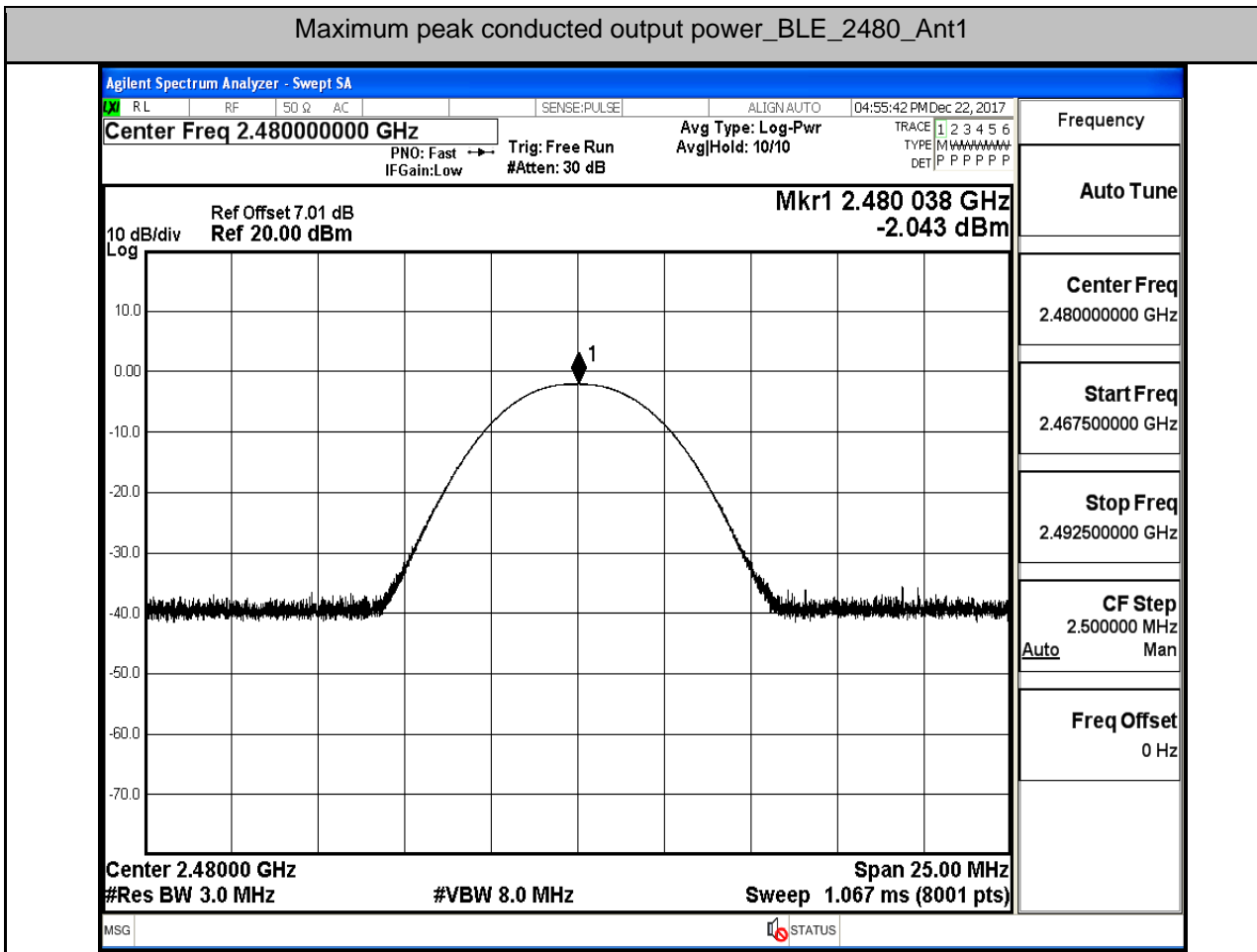
Maximum peak conducted output power_BLE_2402_Ant1



Maximum peak conducted output power_BLE_2440_Ant1



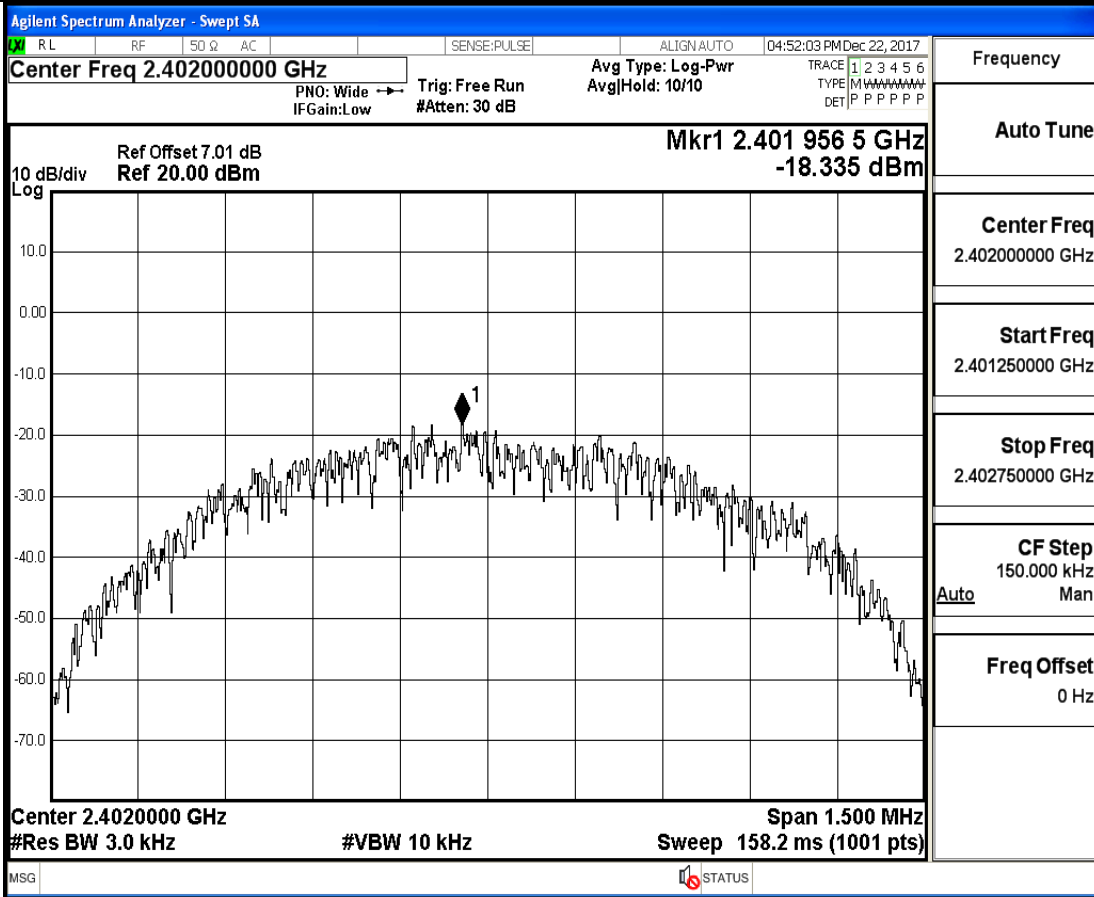
Maximum peak conducted output power_BLE_2480_Ant1



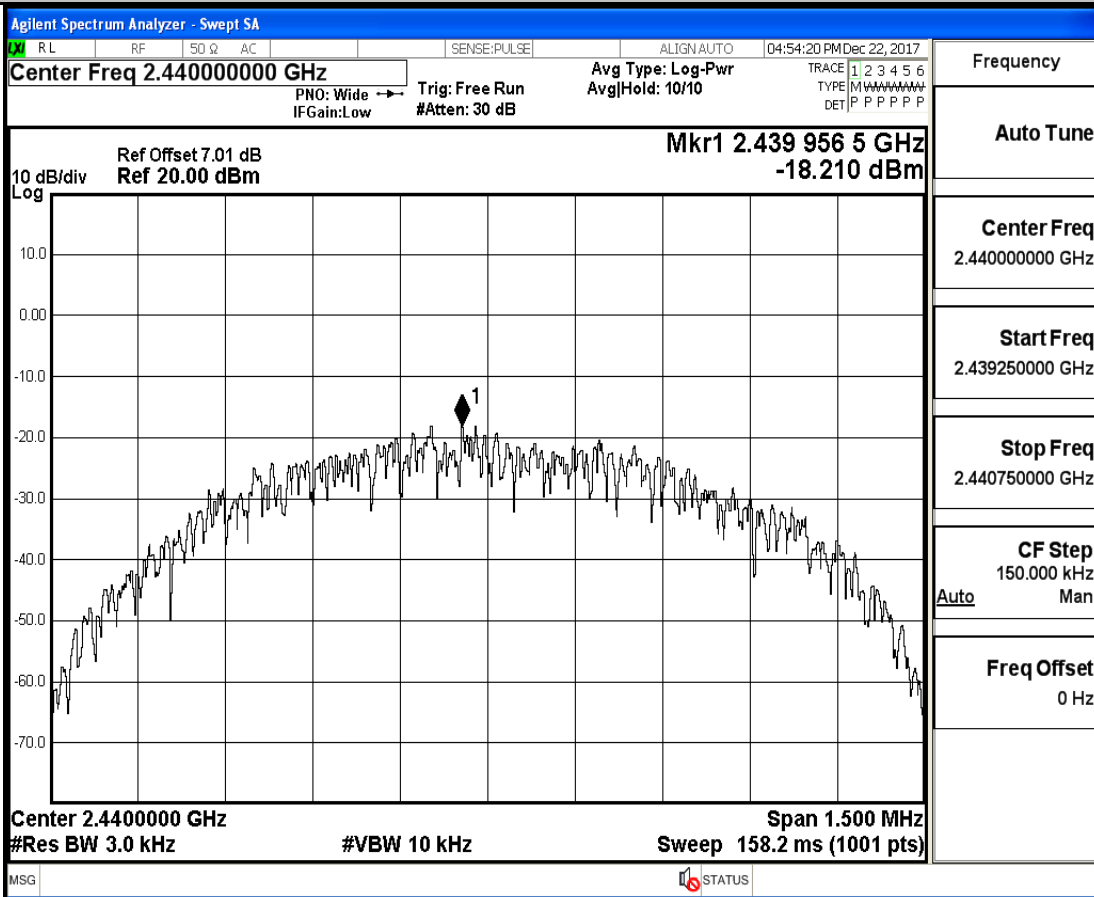
4. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3KHz]	Limit[dBm/3KHz]	Verdict
BLE	2402	Ant1	-18.335	8.00	PASS
BLE	2440	Ant1	-18.21	8.00	PASS
BLE	2480	Ant1	-18.273	8.00	PASS

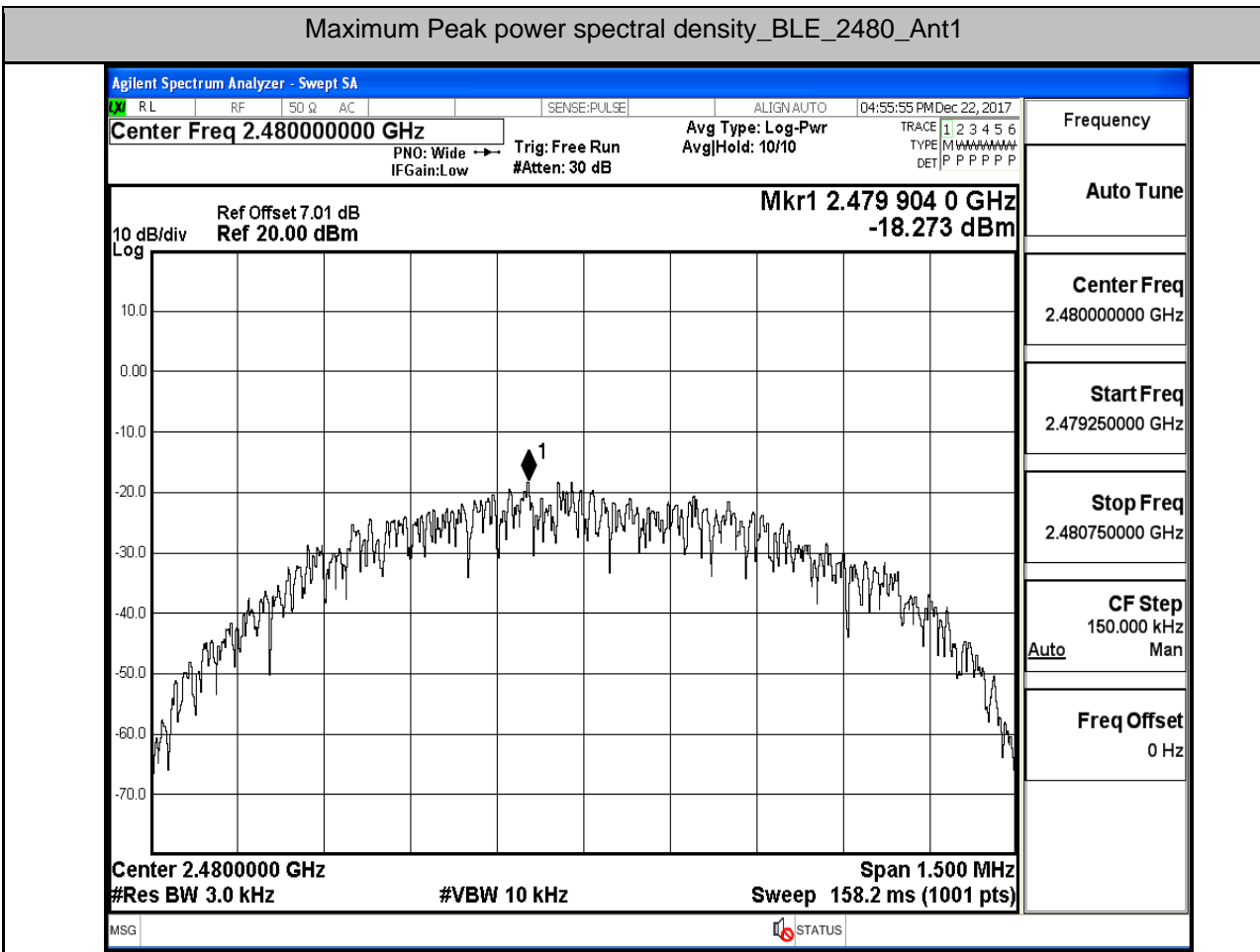
Maximum Peak power spectral density_BLE_2402_Ant1



Maximum Peak power spectral density_BLE_2440_Ant1



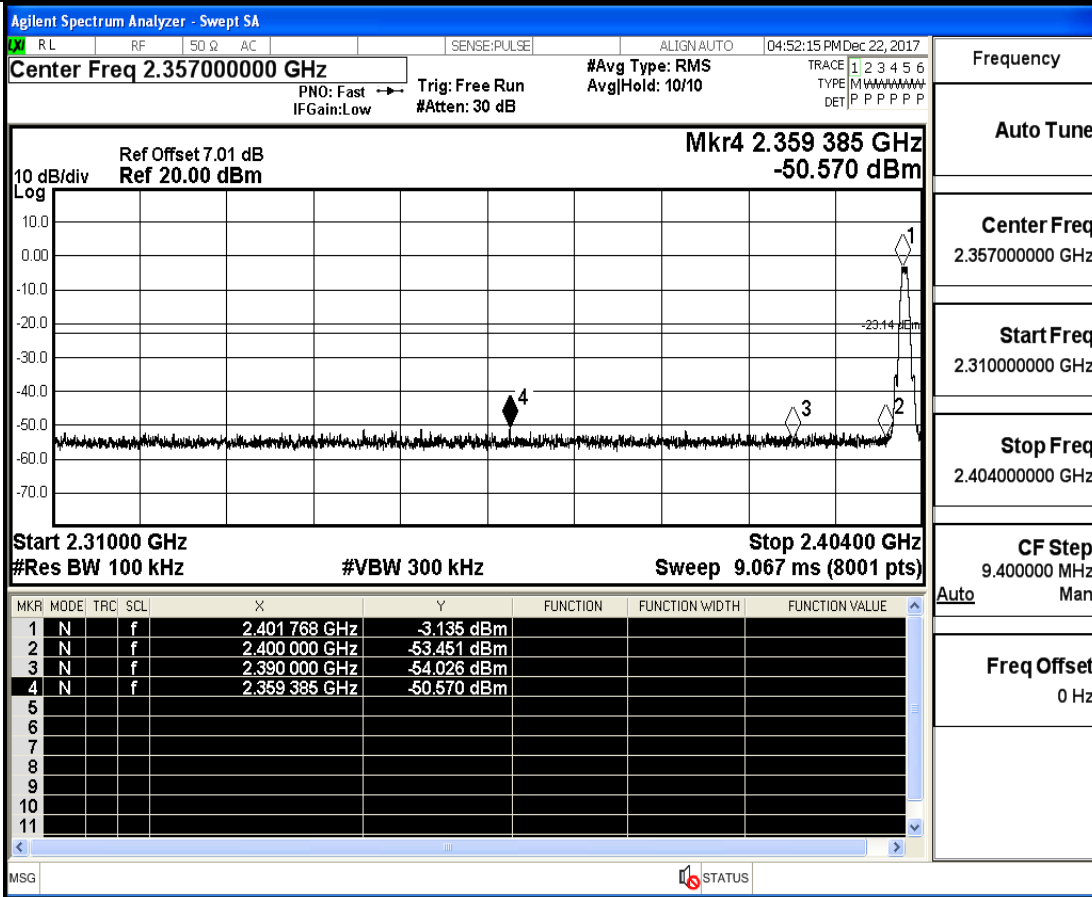
Maximum Peak power spectral density_BLE_2480_Ant1



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	-3.135	-50.570	-23.14	PASS
BLE	2480	Ant1	-2.860	-51.028	-22.86	PASS

Band-edge for RF Conducted Emissions_BLE_2402_Ant1



Frequency

Auto Tune

Center Freq
2.357000000 GHz

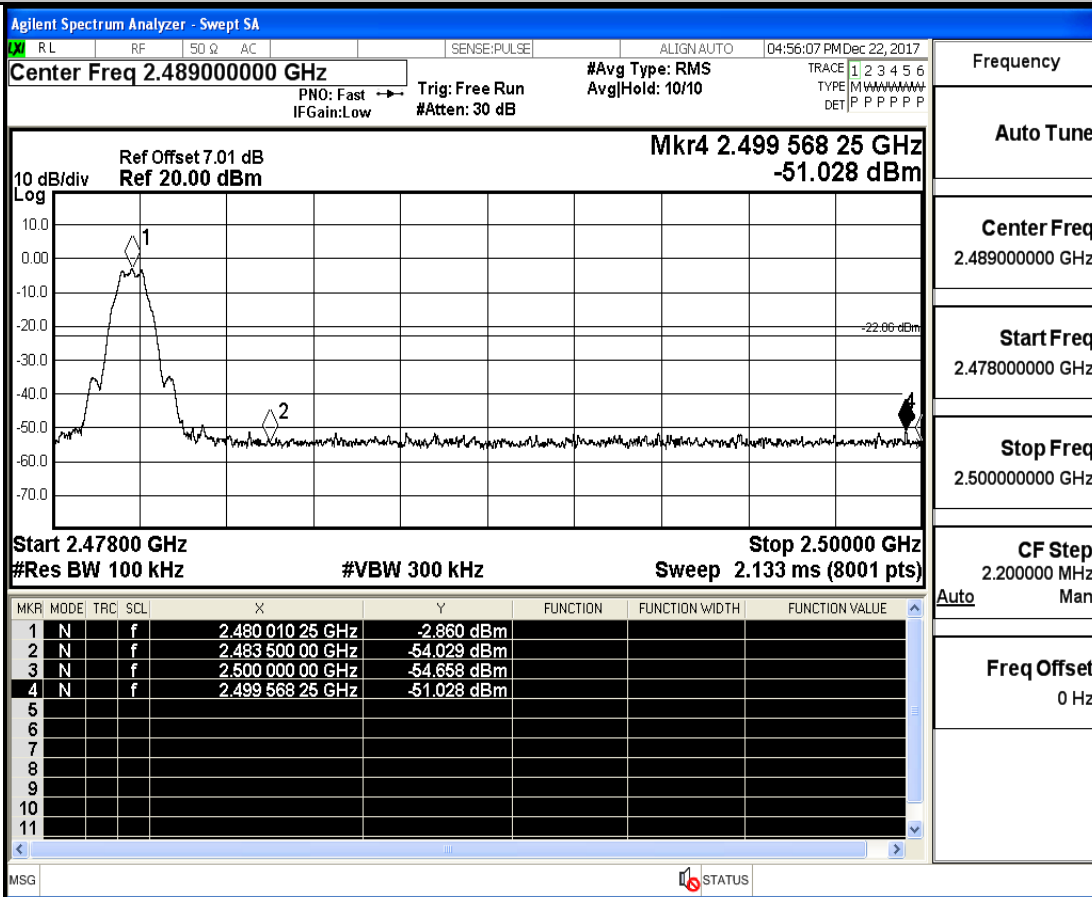
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_BLE_2480_Ant1



Frequency

Auto Tune

Center Freq
2.489000000 GHz

Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

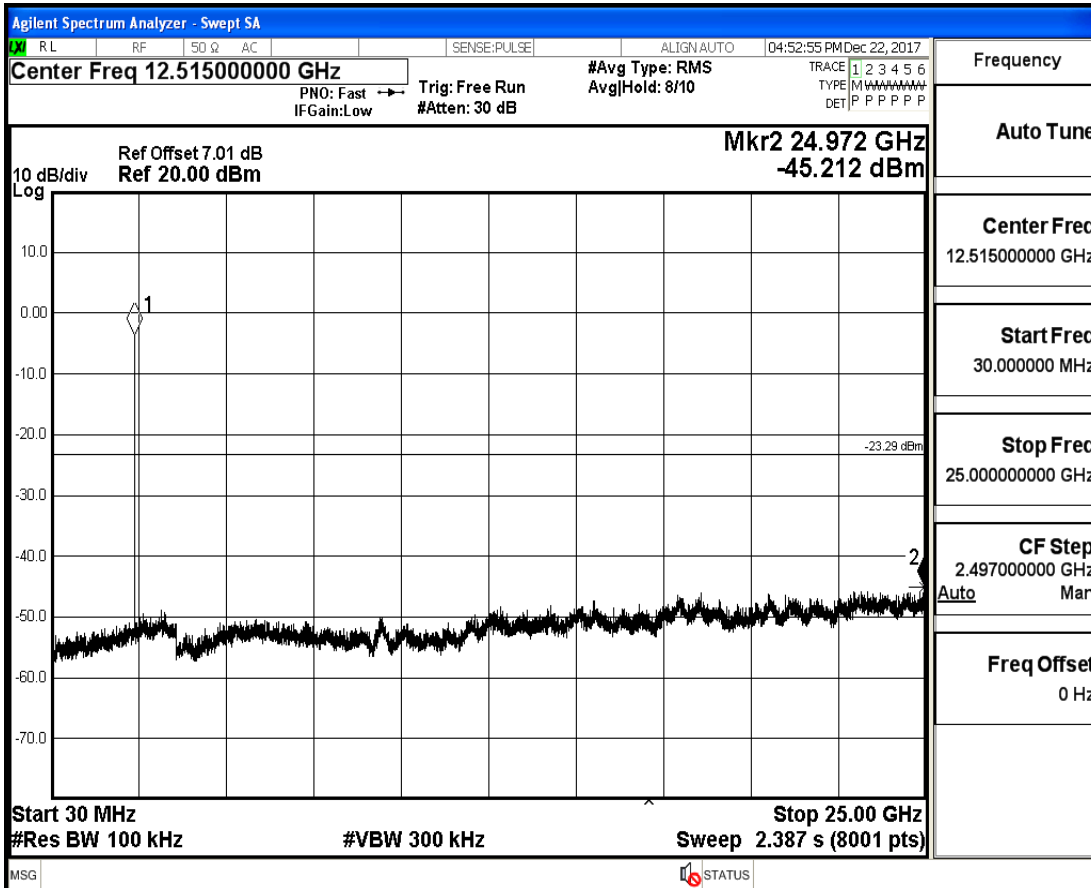
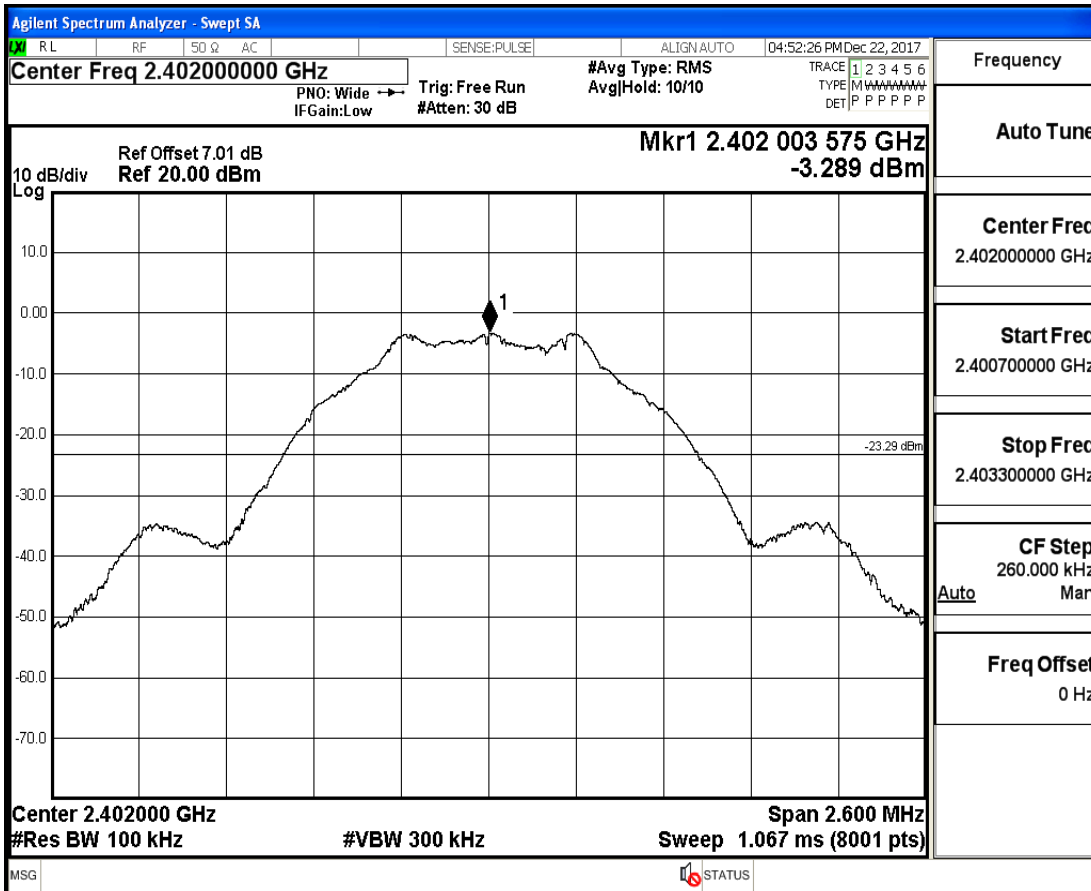
CF Step
2.200000 MHz

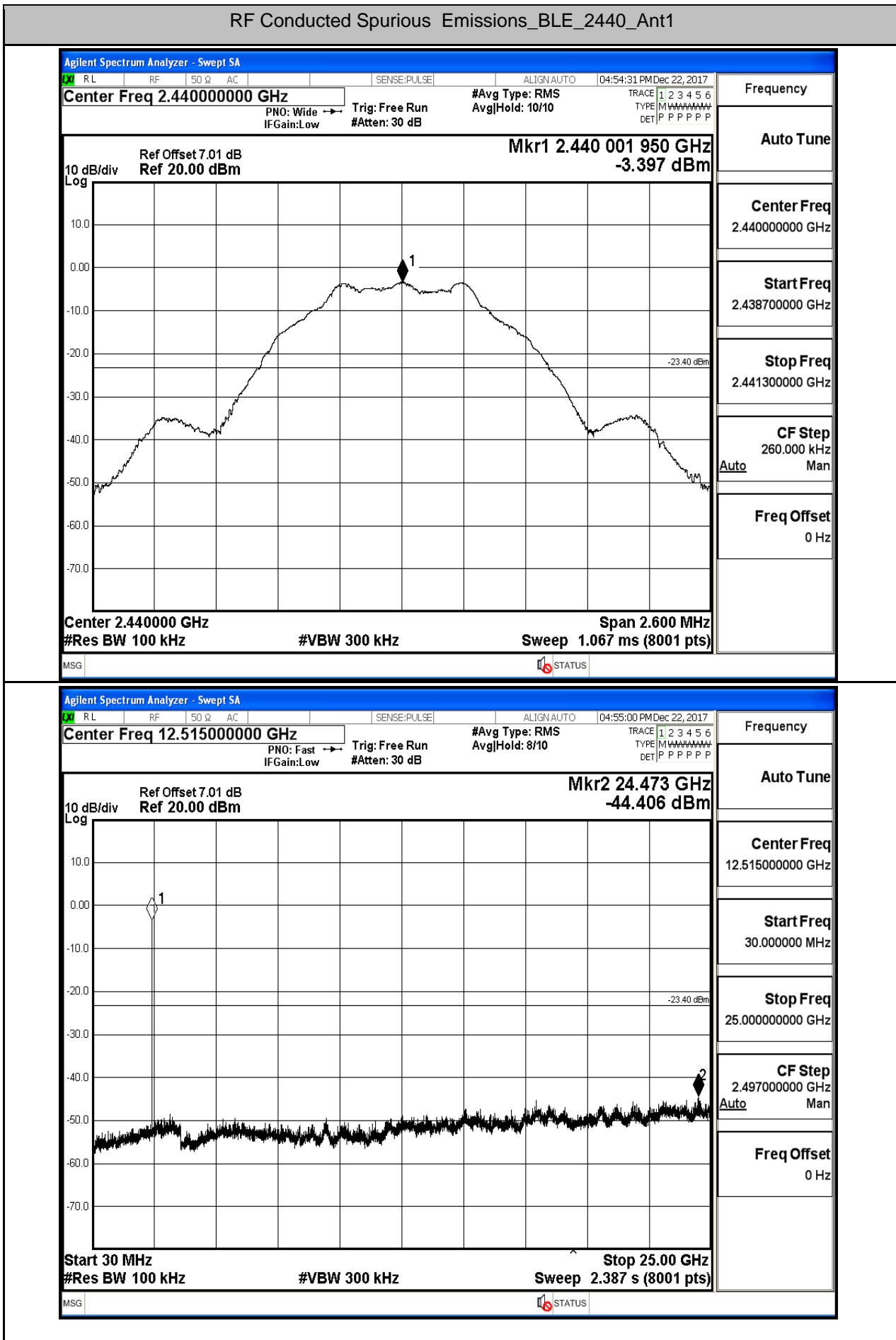
Freq Offset
0 Hz

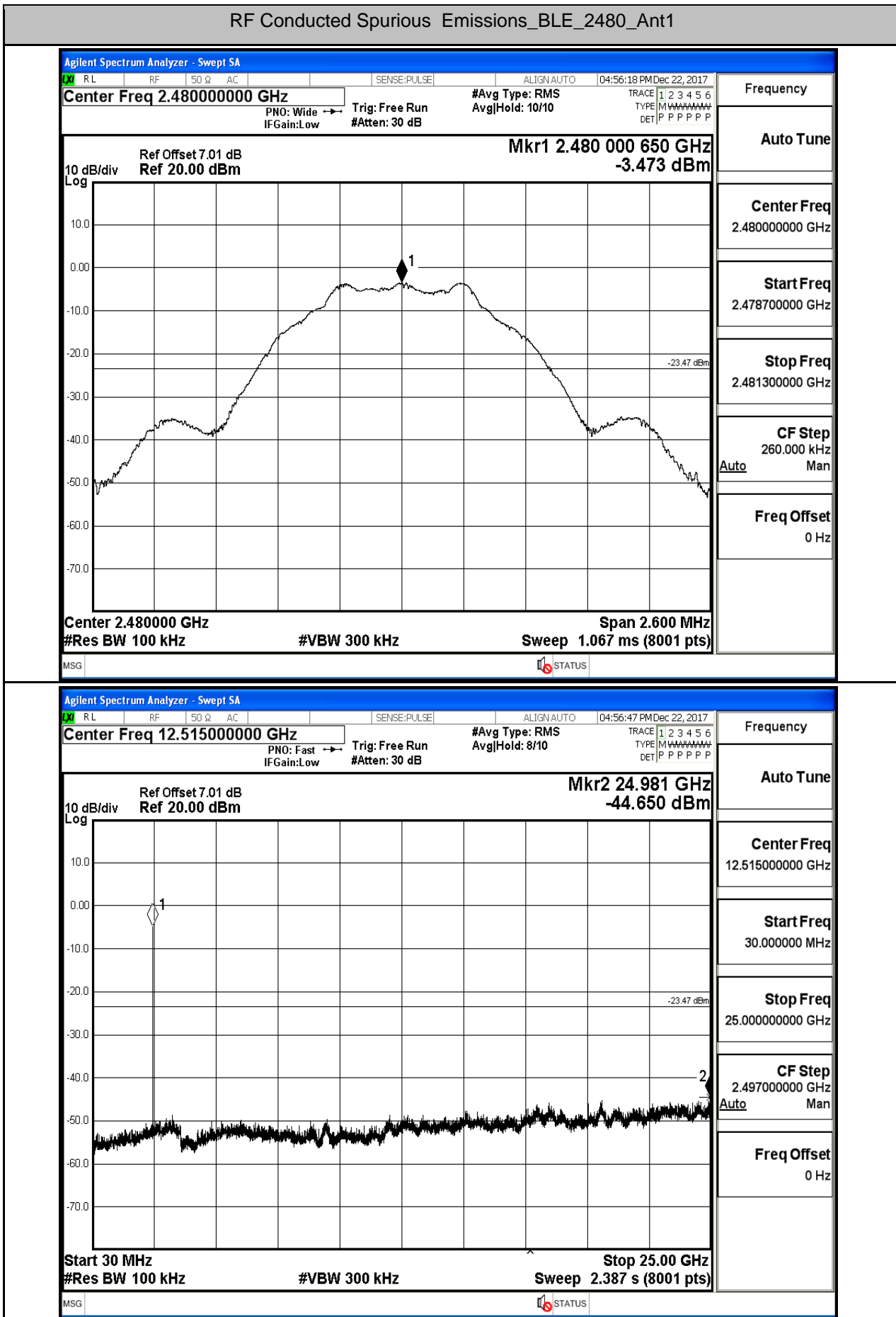
6.RF Conducted Spurious Emissions

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	-3.289	-45.212	<-23.289	PASS
BLE	2440	Ant1	30	25000	100	300	-3.397	-44.406	<-23.397	PASS
BLE	2480	Ant1	30	25000	100	300	-3.473	-44.650	<-23.473	PASS

RF Conducted Spurious Emissions_BLE_2402_Ant1



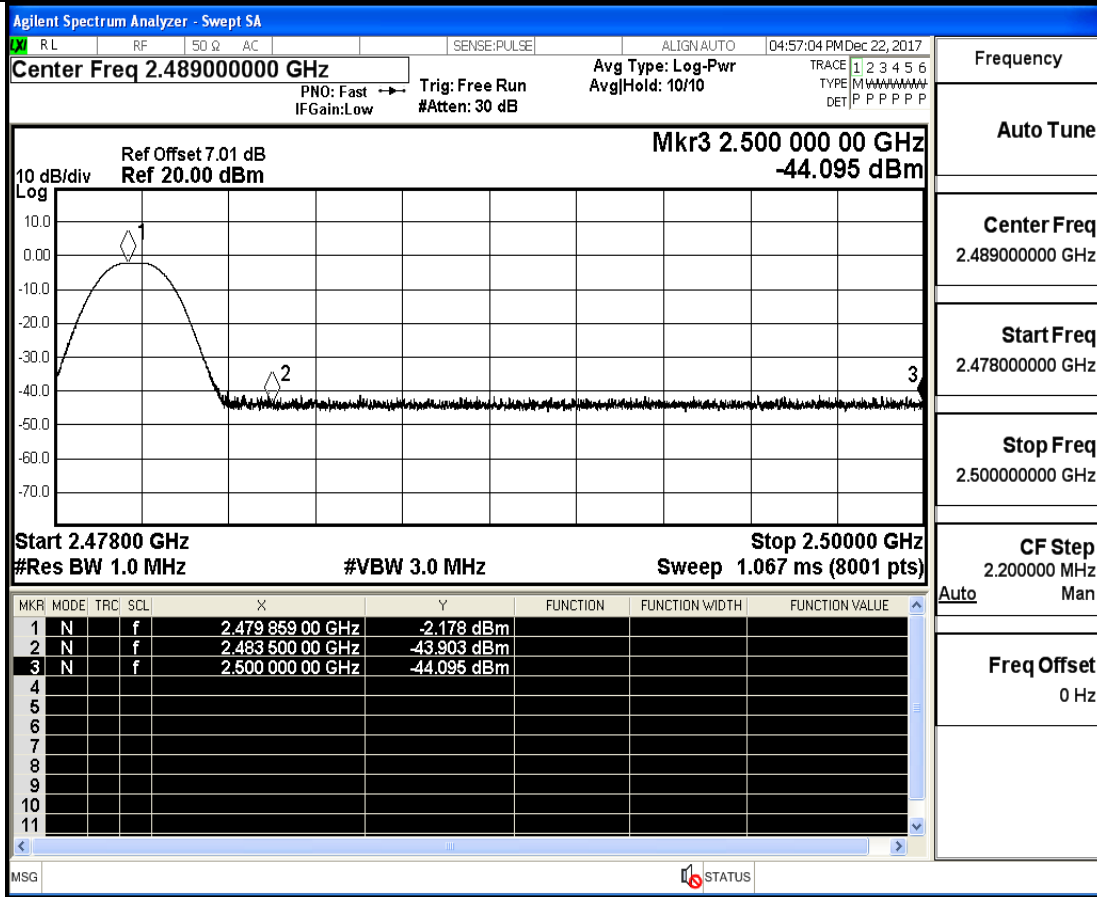




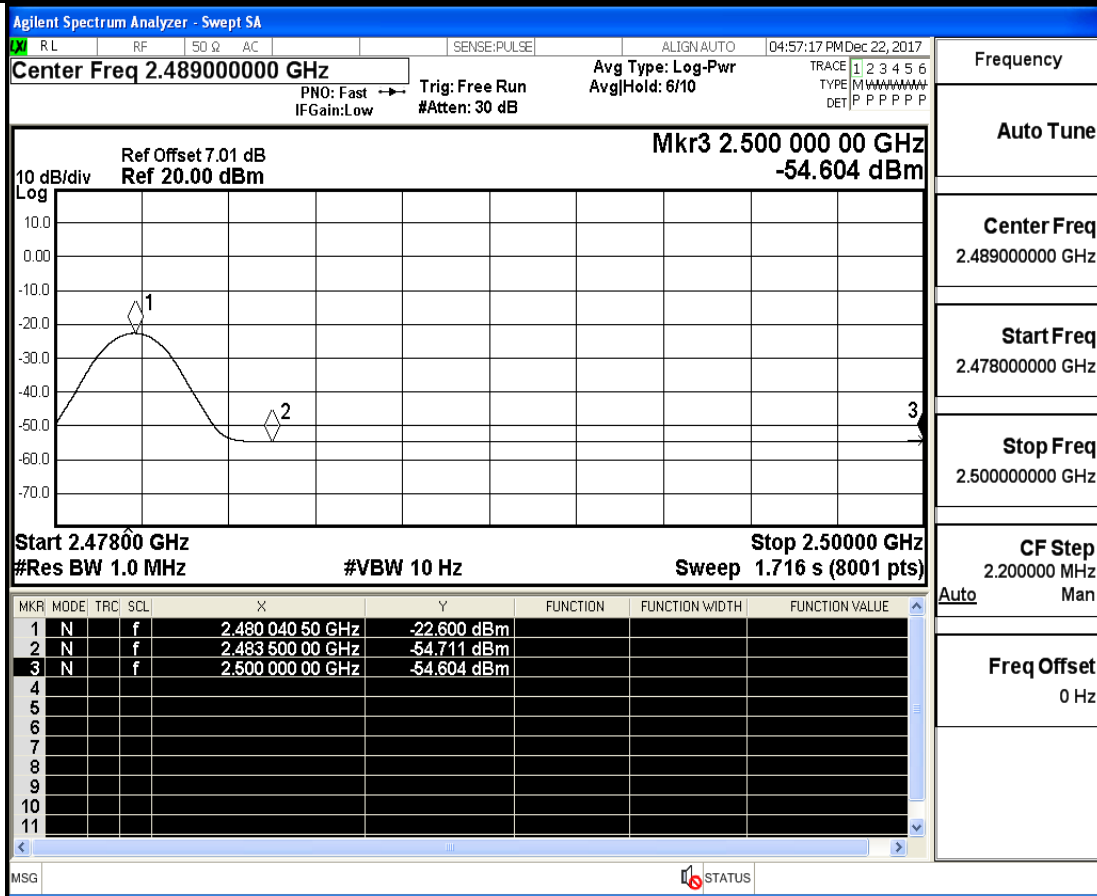
7.Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
BLE	2402	Ant1	2310.0	-45.88	2	0	51.38	PEAK	74	PASS
BLE	2402	Ant1	2310.0	-55.21	2	0	42.05	AV	54	PASS
BLE	2402	Ant1	2390.0	-43.59	2	0	53.67	PEAK	74	PASS
BLE	2402	Ant1	2390.0	-54.97	2	0	42.29	AV	54	PASS
BLE	2480	Ant1	2483.5	-43.90	2	0	53.35	PEAK	74	PASS
BLE	2480	Ant1	2483.5	-54.71	2	0	42.55	AV	54	PASS
BLE	2480	Ant1	2500.0	-44.10	2	0	53.16	PEAK	74	PASS
BLE	2480	Ant1	2500.0	-54.60	2	0	42.65	AV	54	PASS

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

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 04:58:07 PM Dec 22, 2017

Center Freq 2.440000000 GHz Avg Type: Log-Pwr AvgHold: 10/10

Trig: Free Run #Atten: 40 dB

PN0: Fast IFGain: Low

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P P

10 dB/div Ref 30.00 dBm

Log

Center 2.440000000 GHz Span 0 Hz

Res BW 8 MHz #VBW 50 MHz Sweep 5.000 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.440000000 GHz

Start Freq
2.440000000 GHz

Stop Freq
2.440000000 GHz

CF Step
8.000000 MHz

Freq Offset
0 Hz

MSG STATUS

