

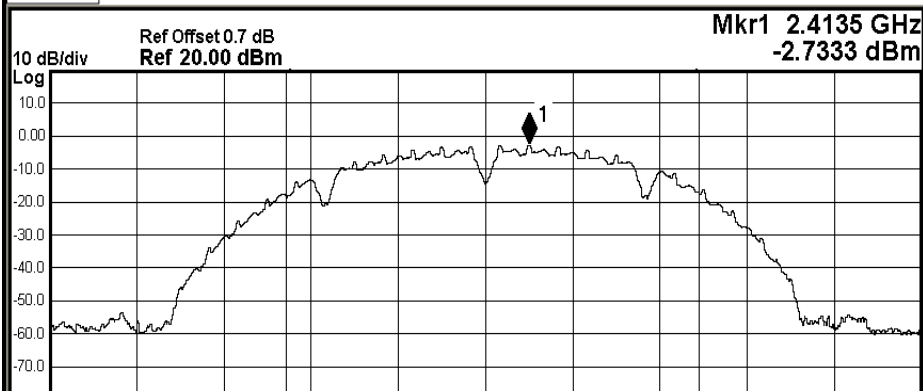
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	9.616	0.5	PASS
11B	2437	Ant1	10.050	0.5	PASS
11B	2462	Ant1	8.644	0.5	PASS
11G	2412	Ant1	15.790	0.5	PASS
11G	2437	Ant1	16.420	0.5	PASS
11G	2462	Ant1	15.760	0.5	PASS
11N20SISO	2412	Ant1	16.420	0.5	PASS
11N20SISO	2437	Ant1	17.640	0.5	PASS
11N20SISO	2462	Ant1	16.380	0.5	PASS

6dB Bandwidth_11B_2412_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.41200000 GHz
#IFGain:Low
#Atten: 30 dB
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold: 1/1
Radio Std: None
Radio Device: BTS



Center 2.412 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms

Occupied Bandwidth
14.223 MHz

Total Power 14.0 dBm

Transmit Freq Error 239.26 kHz
x dB Bandwidth 9.616 MHz

OBW Power 99.00 %
x dB -6.00 dB

Frequency

Center Freq
2.412000000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

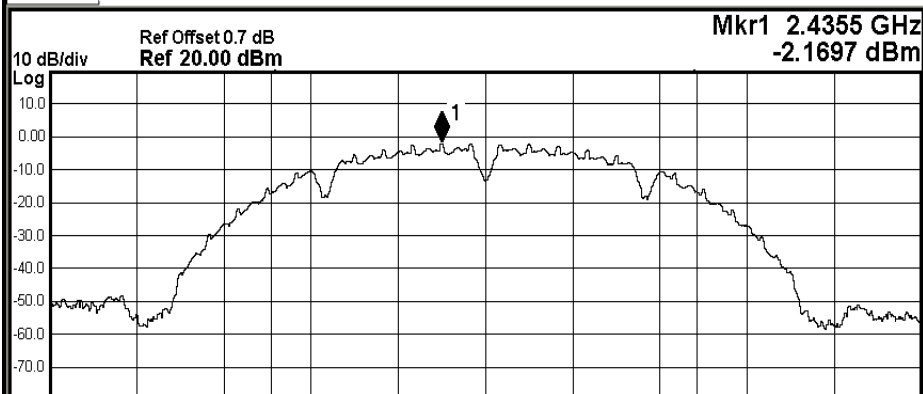
MSG

STATUS

6dB Bandwidth_11B_2437_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz
#IFGain:Low
#Atten: 30 dB
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold: 1/1
Radio Std: None
Radio Device: BTS



Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms

Occupied Bandwidth
14.569 MHz

Total Power 14.9 dBm

Transmit Freq Error -32.690 kHz
x dB Bandwidth 10.05 MHz

OBW Power 99.00 %
x dB -6.00 dB

Frequency

Center Freq
2.437000000 GHz

CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

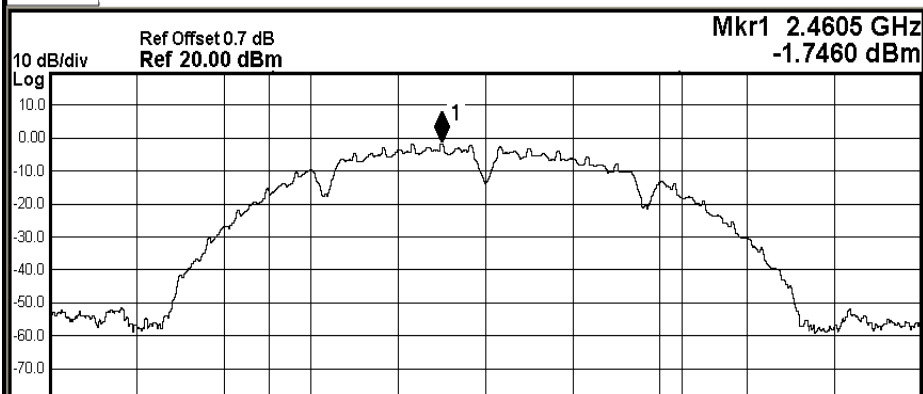
MSG

STATUS

6dB Bandwidth_11B_2462_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None
#IFGain: Low Trig: Free Run Avg|Hold: 1/1 Radio Device: BTS
#Atten: 30 dB



Occupied Bandwidth

Total Power

14.7 dBm

14.114 MHz

Transmit Freq Error

-312.58 kHz

OBW Power

99.00 %

x dB Bandwidth

8.644 MHz

x dB

-6.00 dB

Frequency

Center Freq
2.462000000 GHzCF Step
3.000000 MHz
Auto Man

Freq Offset

0 Hz

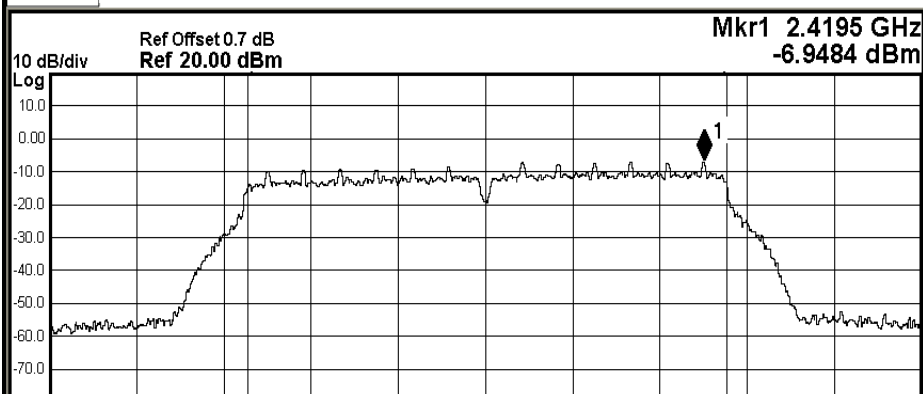
MSG

STATUS

6dB Bandwidth_11G_2412_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None
#IFGain: Low Trig: Free Run Avg|Hold: 1/1 Radio Device: BTS
#Atten: 30 dB



Occupied Bandwidth

Total Power

10.4 dBm

16.470 MHz

Transmit Freq Error

70.159 kHz

OBW Power

99.00 %

x dB Bandwidth

15.79 MHz

x dB

-6.00 dB

Frequency

Center Freq
2.412000000 GHzCF Step
3.000000 MHz
Auto Man

Freq Offset

0 Hz

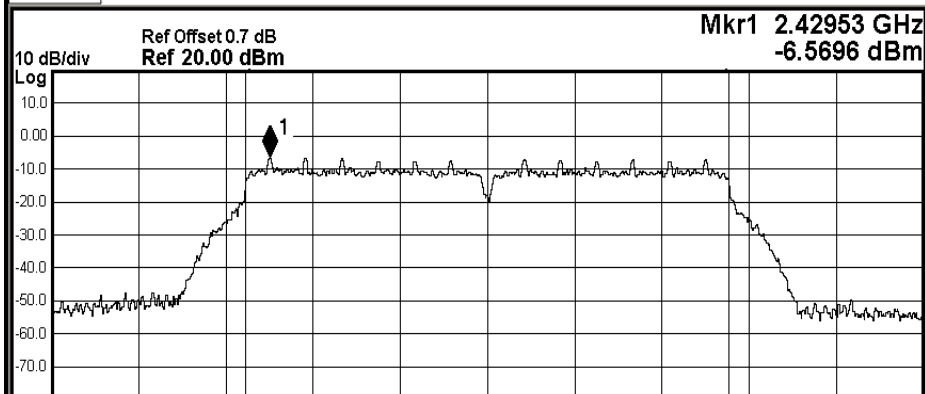
MSG

STATUS

6dB Bandwidth_11G_2437_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None
#IFGain:Low Trig: Free Run Avg|Hold: 1/1
#Atten: 30 dB Radio Device: BTS



Occupied Bandwidth

Total Power

11.3 dBm

16.550 MHz

Transmit Freq Error

3.258 kHz

OBW Power

99.00 %

x dB Bandwidth

16.42 MHz

x dB

-6.00 dB

Frequency

Center Freq
2.437000000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

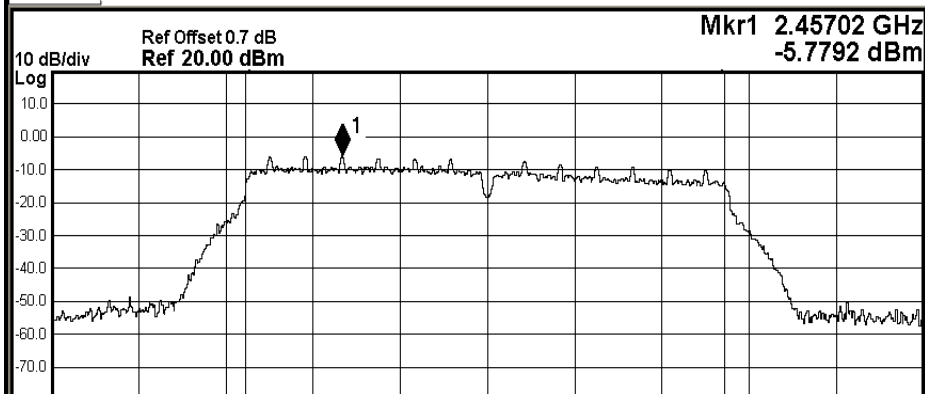
MSG

STATUS

6dB Bandwidth_11G_2462_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None
#IFGain:Low Trig: Free Run Avg|Hold: 1/1
#Atten: 30 dB Radio Device: BTS



Occupied Bandwidth

Total Power

11.1 dBm

16.427 MHz

Transmit Freq Error

-57.409 kHz

OBW Power

99.00 %

x dB Bandwidth

15.76 MHz

x dB

-6.00 dB

Frequency

Center Freq
2.462000000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

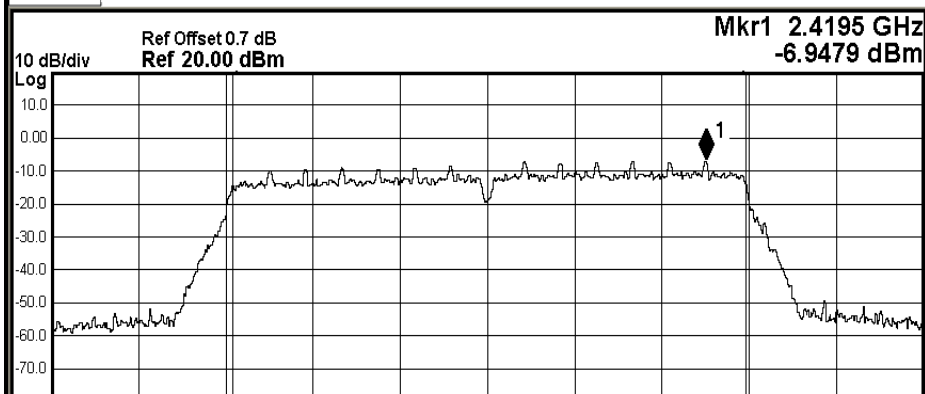
MSG

STATUS

6dB Bandwidth_11N20SISO_2412_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None
#IFGain:Low Trig: Free Run Avg|Hold: 1/1
#Atten: 30 dB Radio Device: BTS



Occupied Bandwidth

Total Power

10.5 dBm

17.611 MHz

Transmit Freq Error

60.674 kHz

OBW Power

99.00 %

x dB Bandwidth

16.42 MHz

x dB

-6.00 dB

Frequency

Center Freq
2.412000000 GHzCF Step
3.000000 MHz
Auto Man

Freq Offset

0 Hz

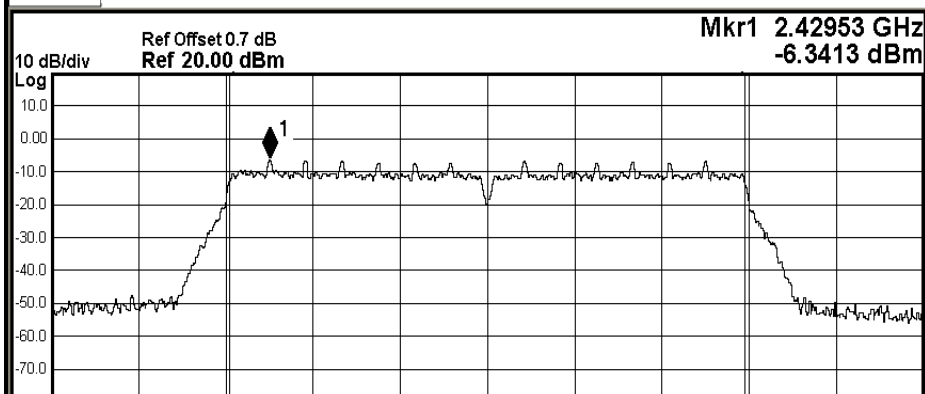
MSG

STATUS

6dB Bandwidth_11N20SISO_2437_Ant1

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None
#IFGain:Low Trig: Free Run Avg|Hold: >1/1
#Atten: 30 dB Radio Device: BTS



Occupied Bandwidth

Total Power

11.6 dBm

17.680 MHz

Transmit Freq Error

-8.346 kHz

OBW Power

99.00 %

x dB Bandwidth

17.64 MHz

x dB

-6.00 dB

Frequency

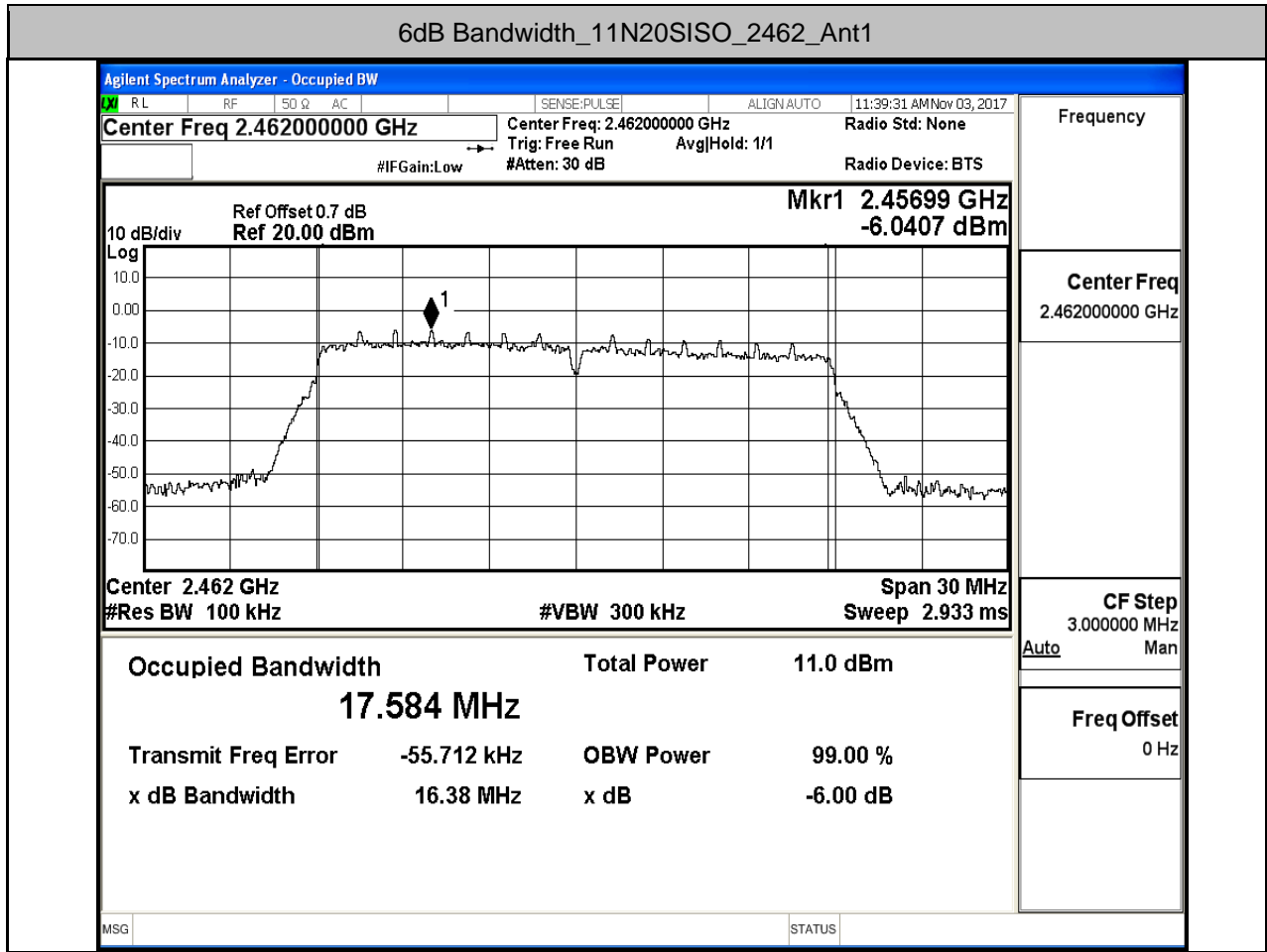
Center Freq
2.437000000 GHzCF Step
3.000000 MHz
Auto Man

Freq Offset

0 Hz

MSG

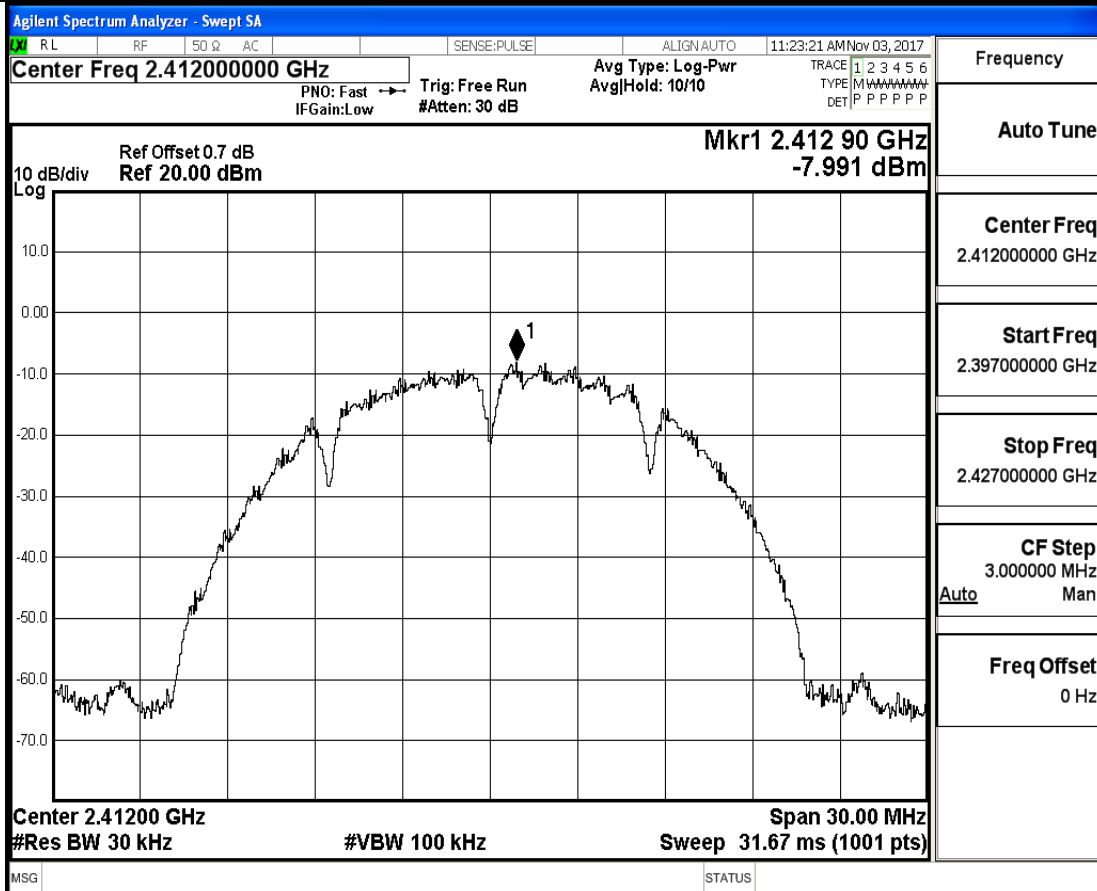
STATUS



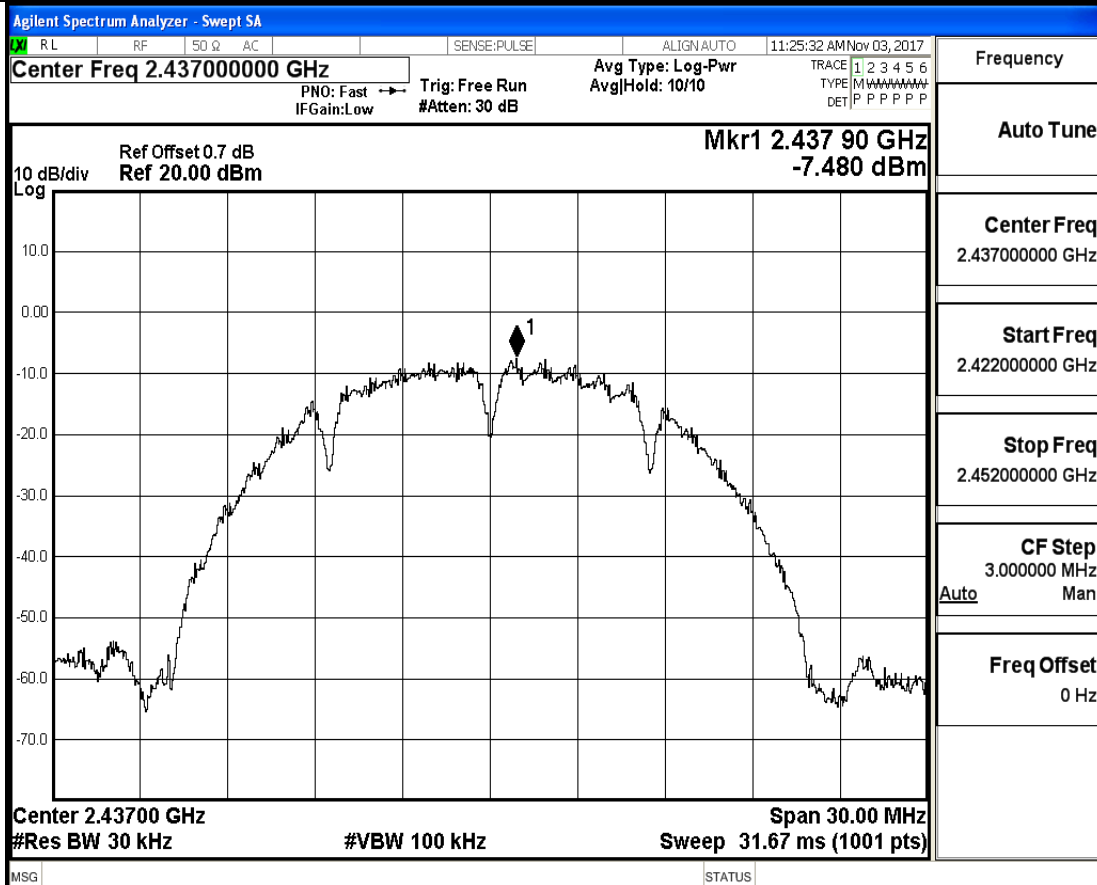
2.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/MHz]	Limit[dBm/MHz]	Verdict
11B	2412	Ant1	-7.991	8.00	PASS
11B	2437	Ant1	-7.480	8.00	PASS
11B	2462	Ant1	-7.662	8.00	PASS
11G	2412	Ant1	-12.434	8.00	PASS
11G	2437	Ant1	-11.802	8.00	PASS
11G	2462	Ant1	-11.195	8.00	PASS
11N20SISO	2412	Ant1	-11.800	8.00	PASS
11N20SISO	2437	Ant1	-11.395	8.00	PASS
11N20SISO	2462	Ant1	-10.975	8.00	PASS

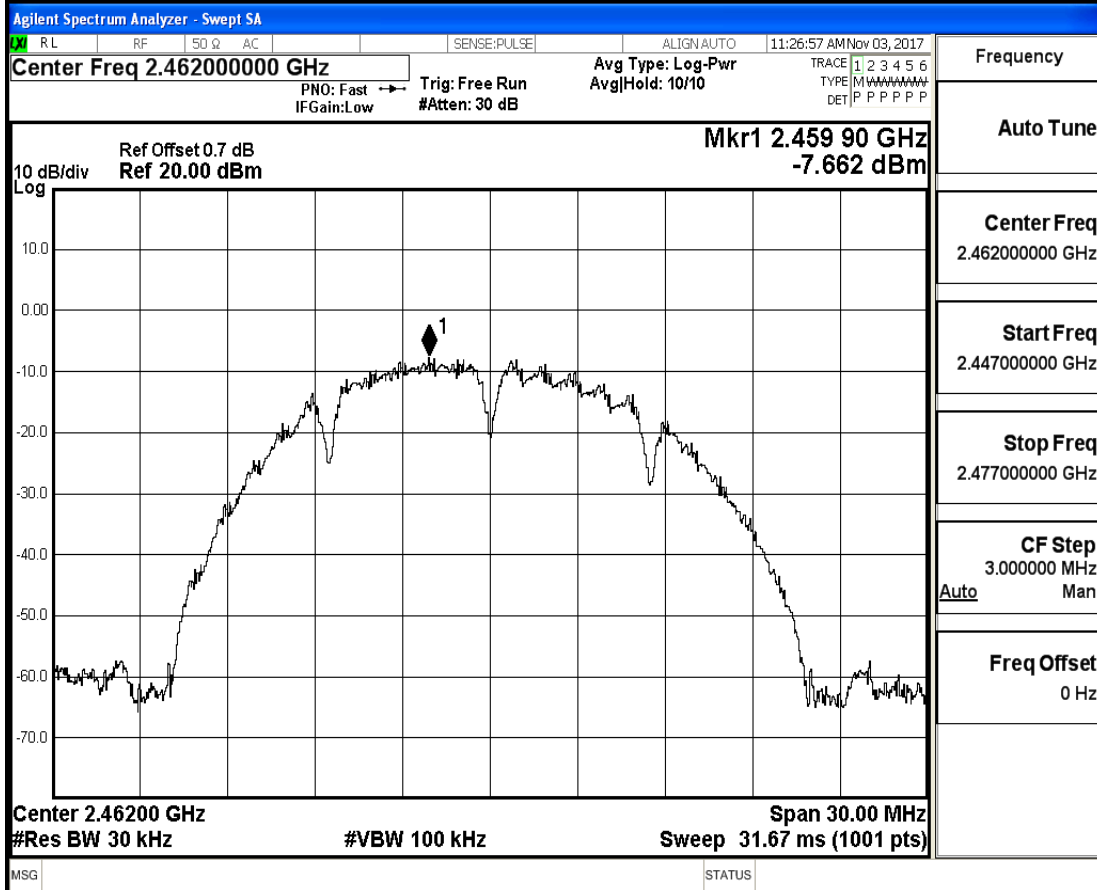
Maximum Peak power spectral density_11B_2412_Ant1



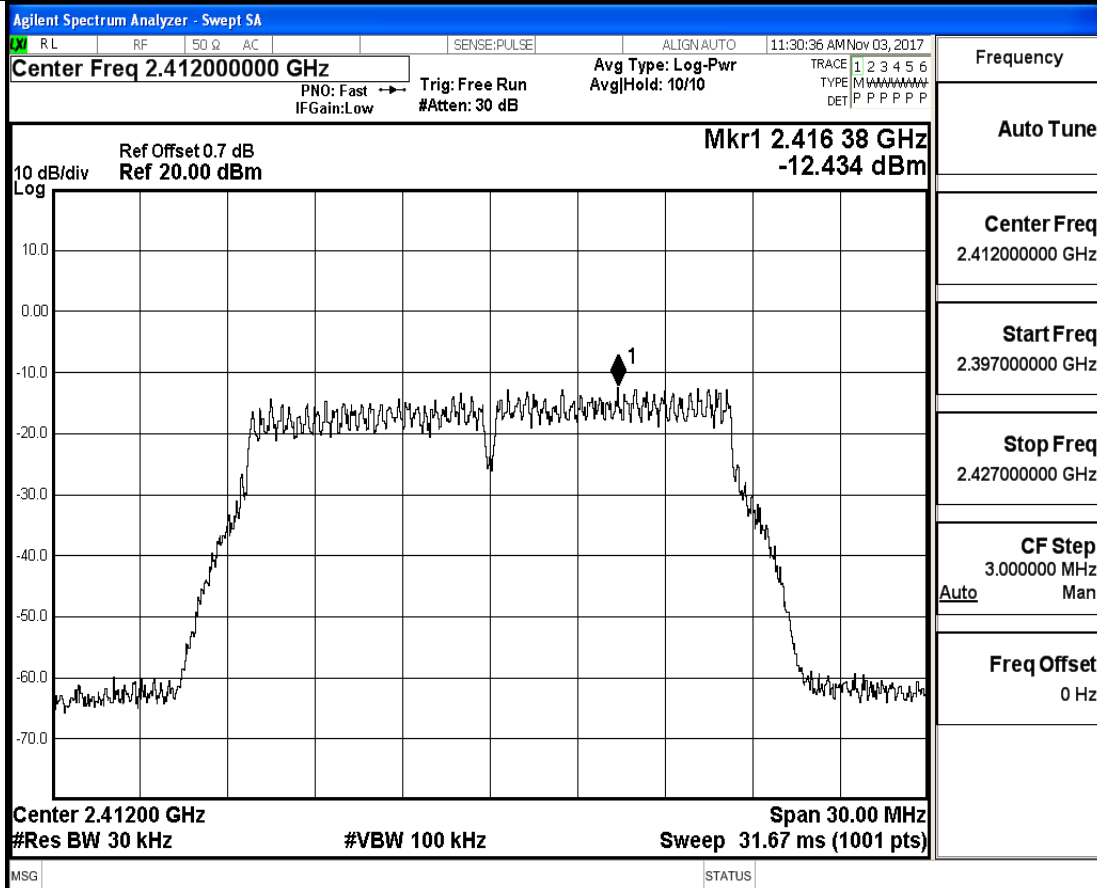
Maximum Peak power spectral density_11B_2437_Ant1



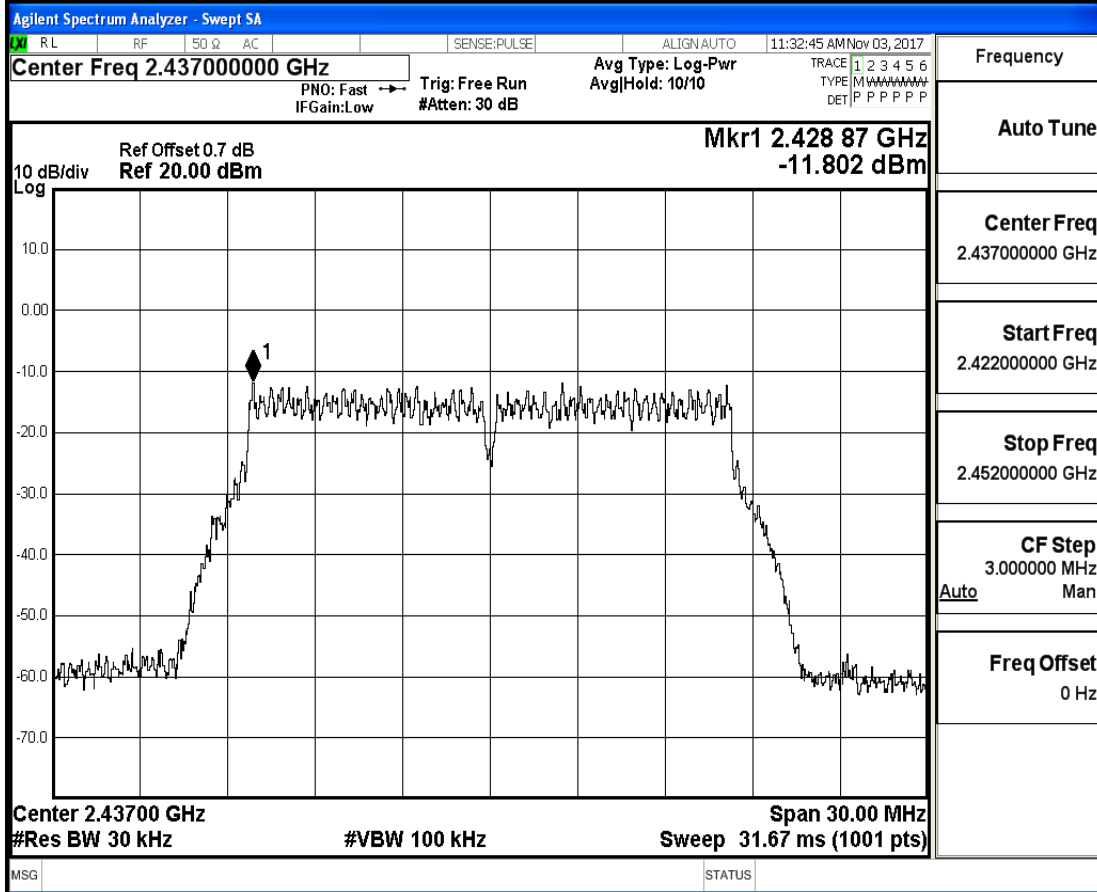
Maximum Peak power spectral density_11B_2462_Ant1



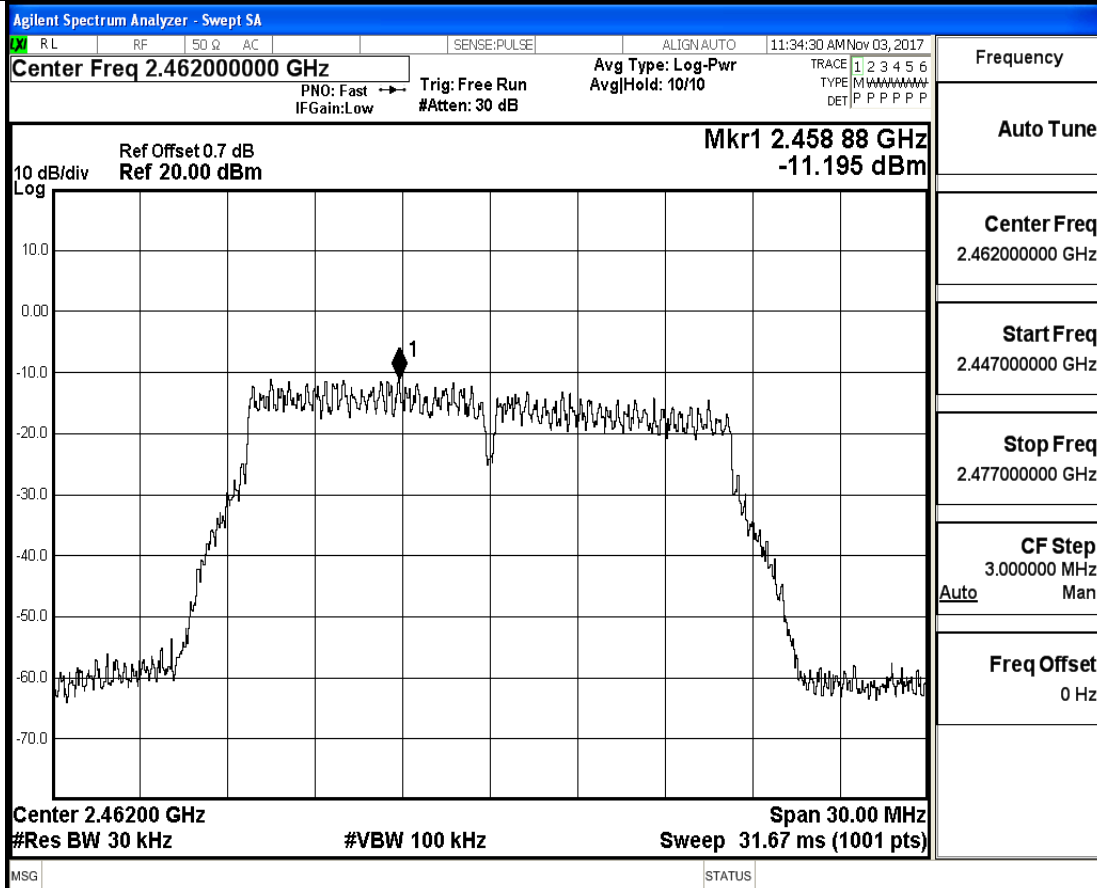
Maximum Peak power spectral density_11G_2412_Ant1



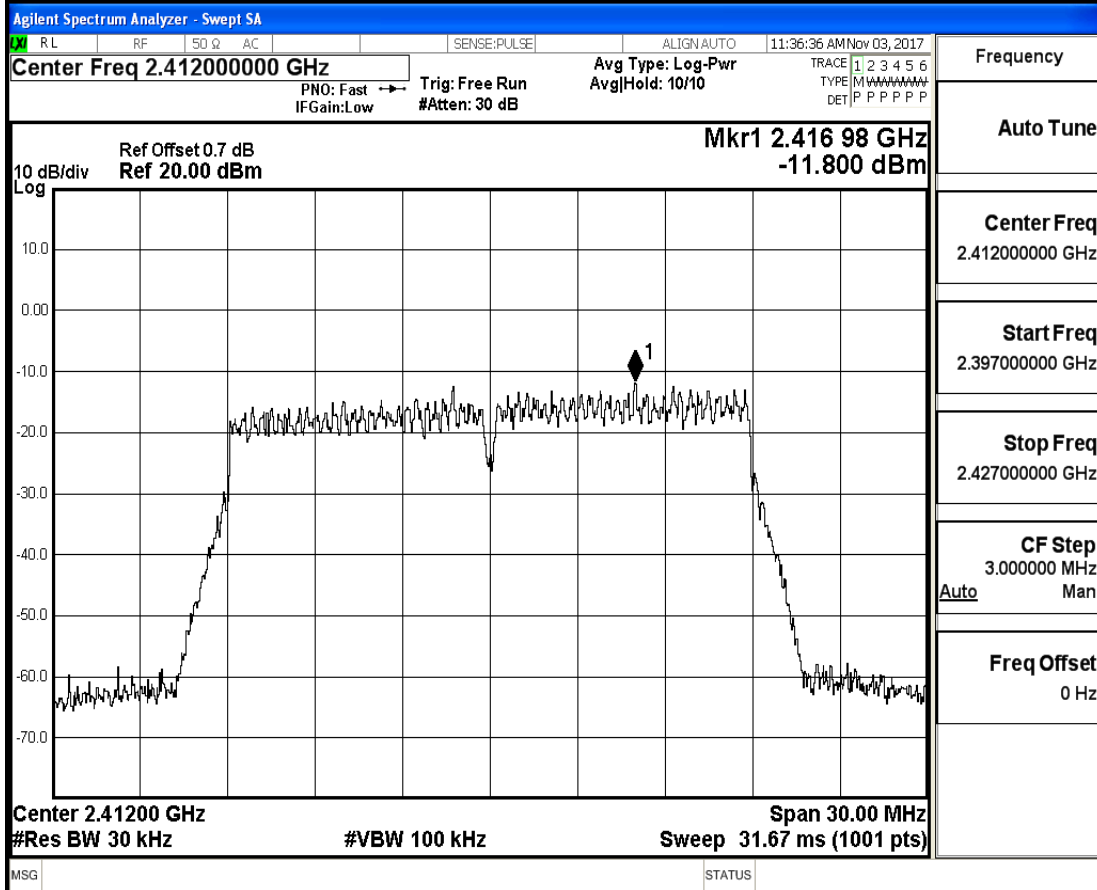
Maximum Peak power spectral density_11G_2437_Ant1



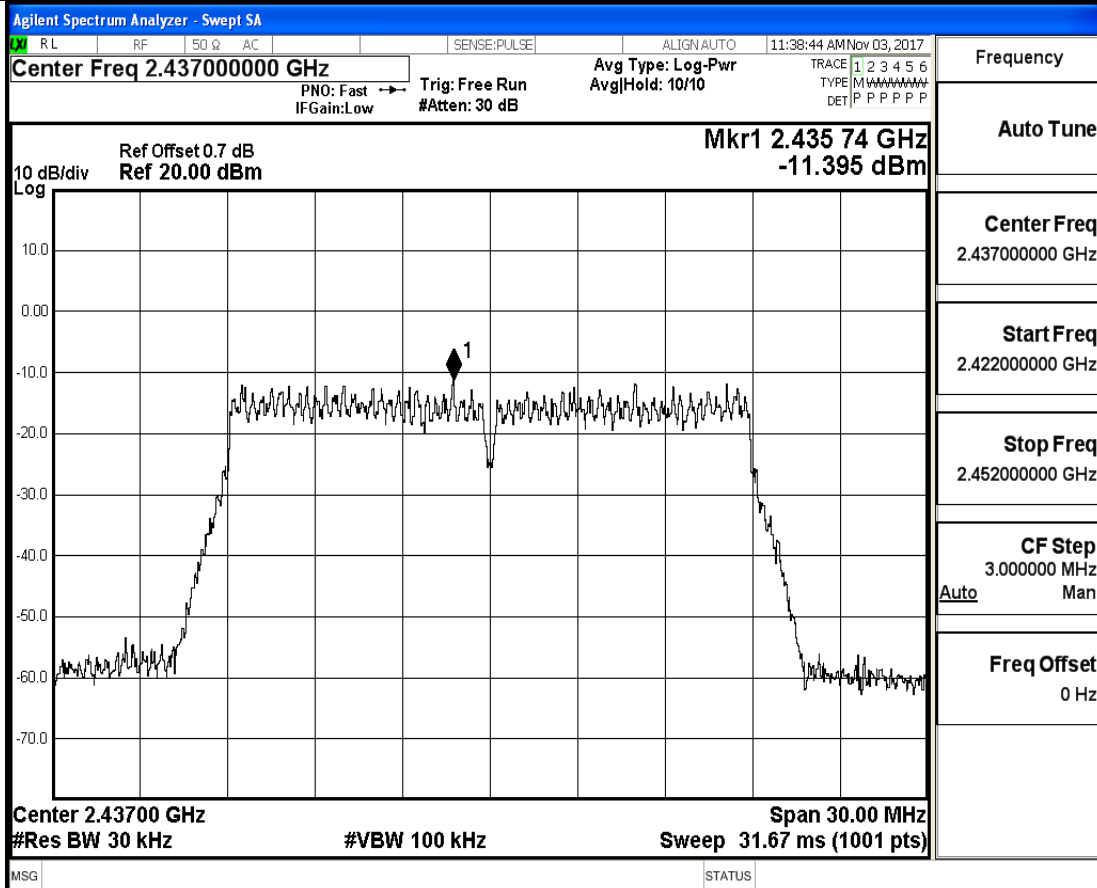
Maximum Peak power spectral density_11G_2462_Ant1



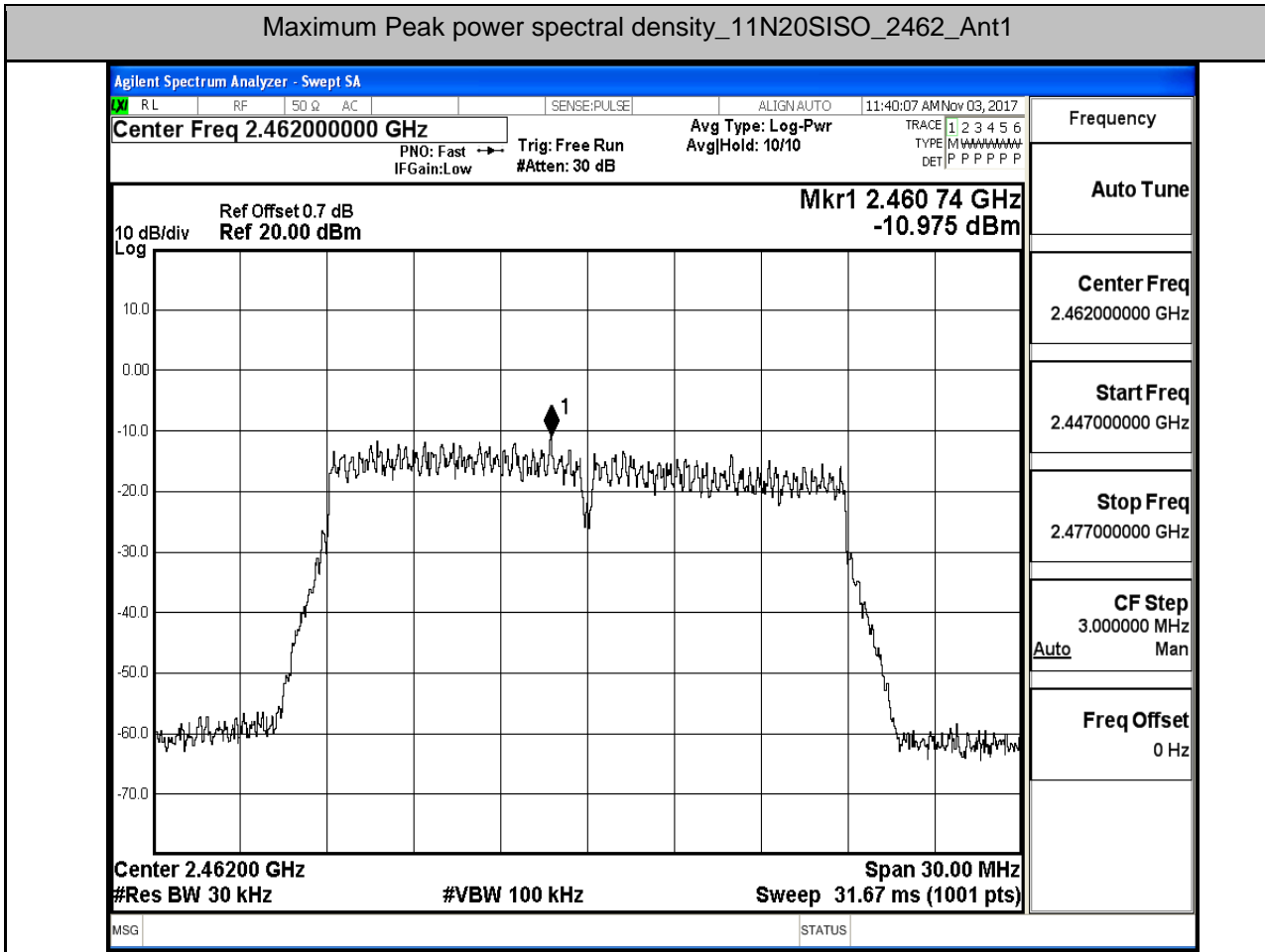
Maximum Peak power spectral density_11N20SISO_2412_Ant1



Maximum Peak power spectral density_11N20SISO_2437_Ant1

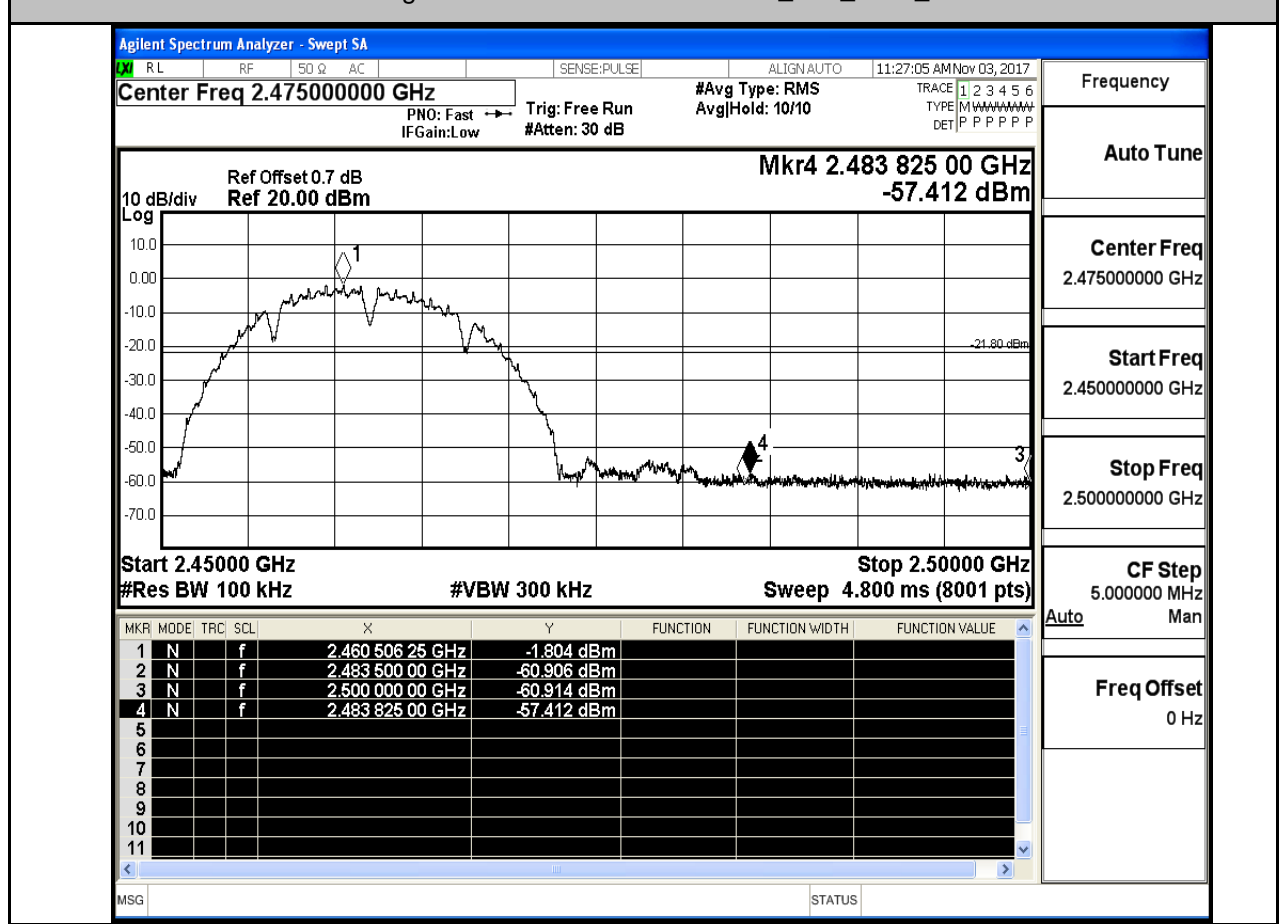
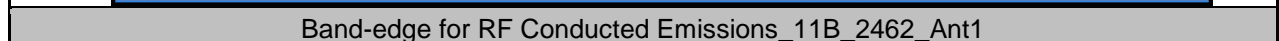


Maximum Peak power spectral density_11N20SISO_2462_Ant1



3.Band-edge for RF Conducted Emissions

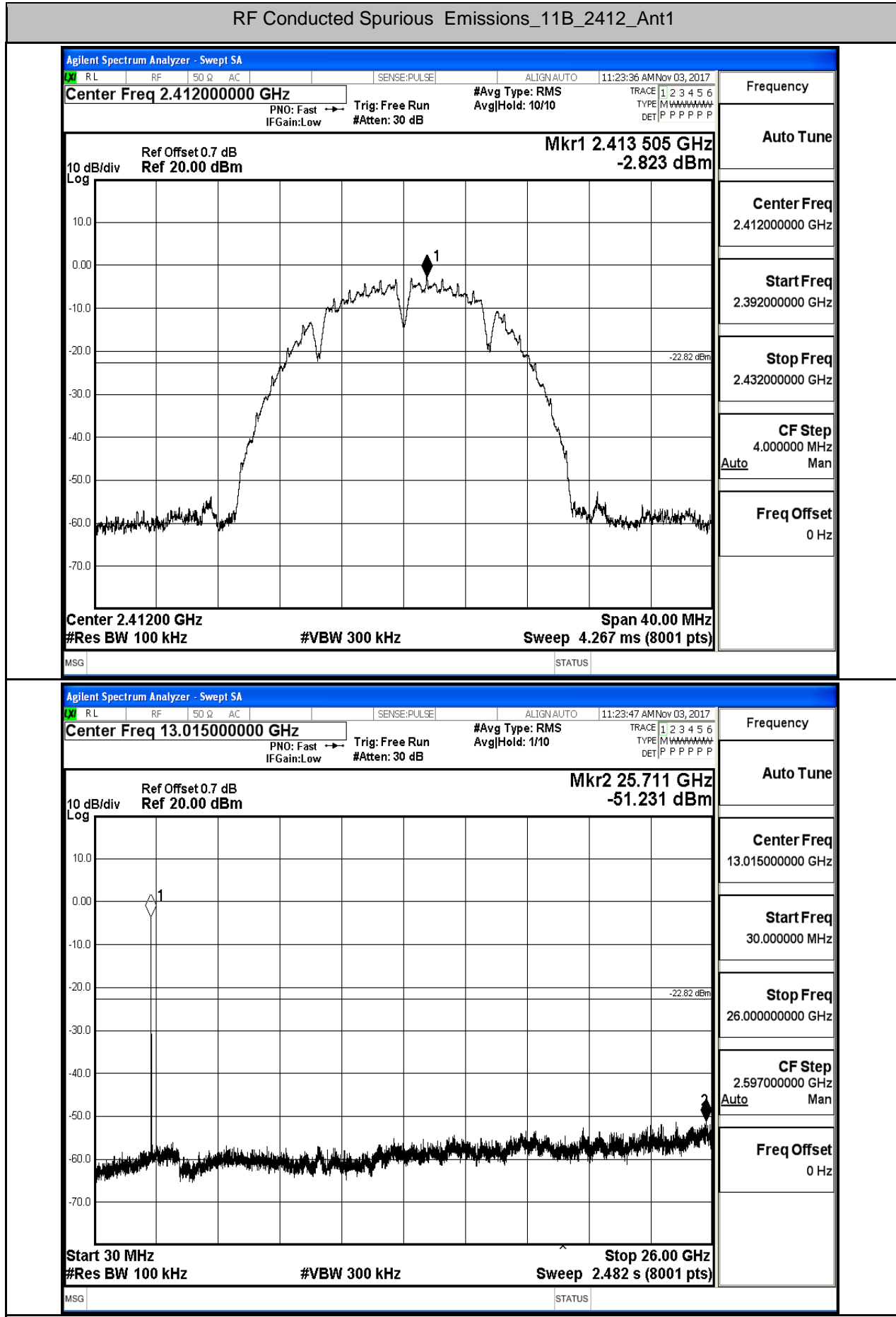
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	-2.740	-57.652	-22.74	PASS
11B	2462	Ant1	-1.804	-57.412	-21.80	PASS
11G	2412	Ant1	-6.956	-57.337	-26.96	PASS
11G	2462	Ant1	-5.580	-56.652	-25.58	PASS
11N20SISO	2412	Ant1	-6.953	-56.957	-26.95	PASS
11N20SISO	2462	Ant1	-5.874	-56.311	-25.87	PASS



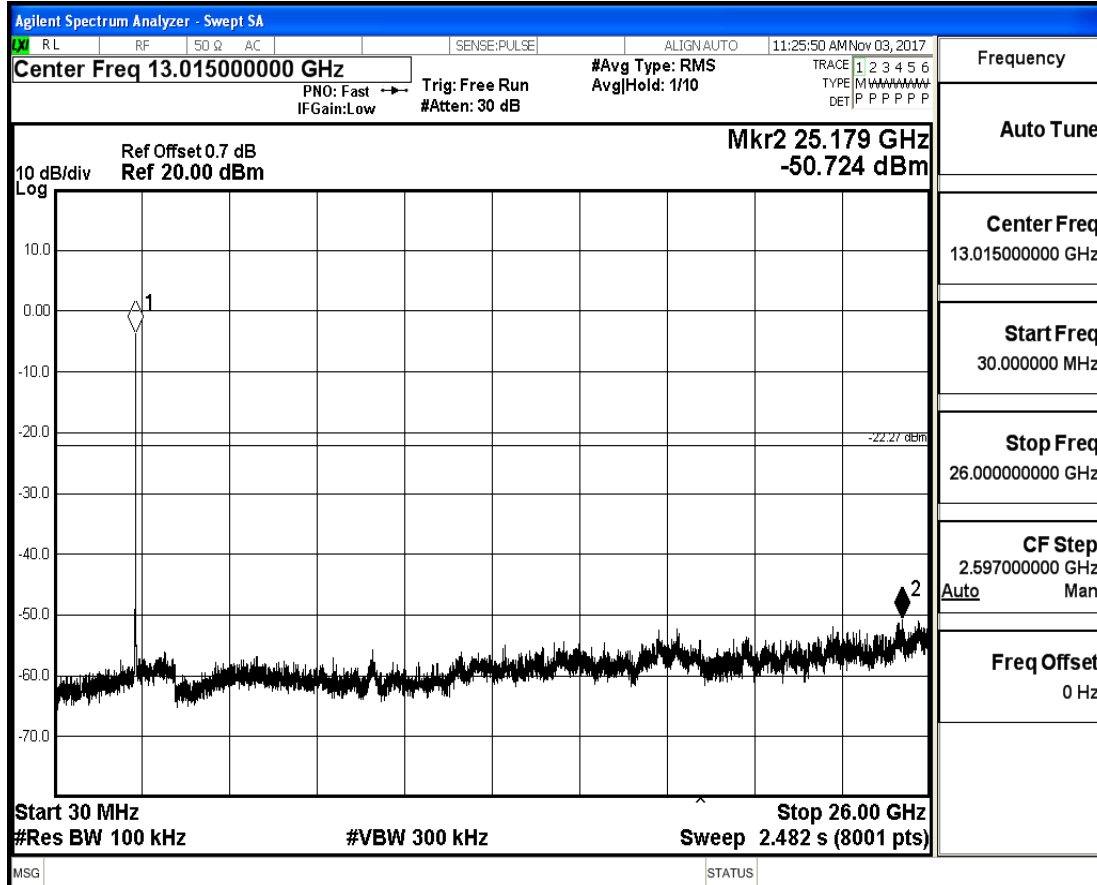
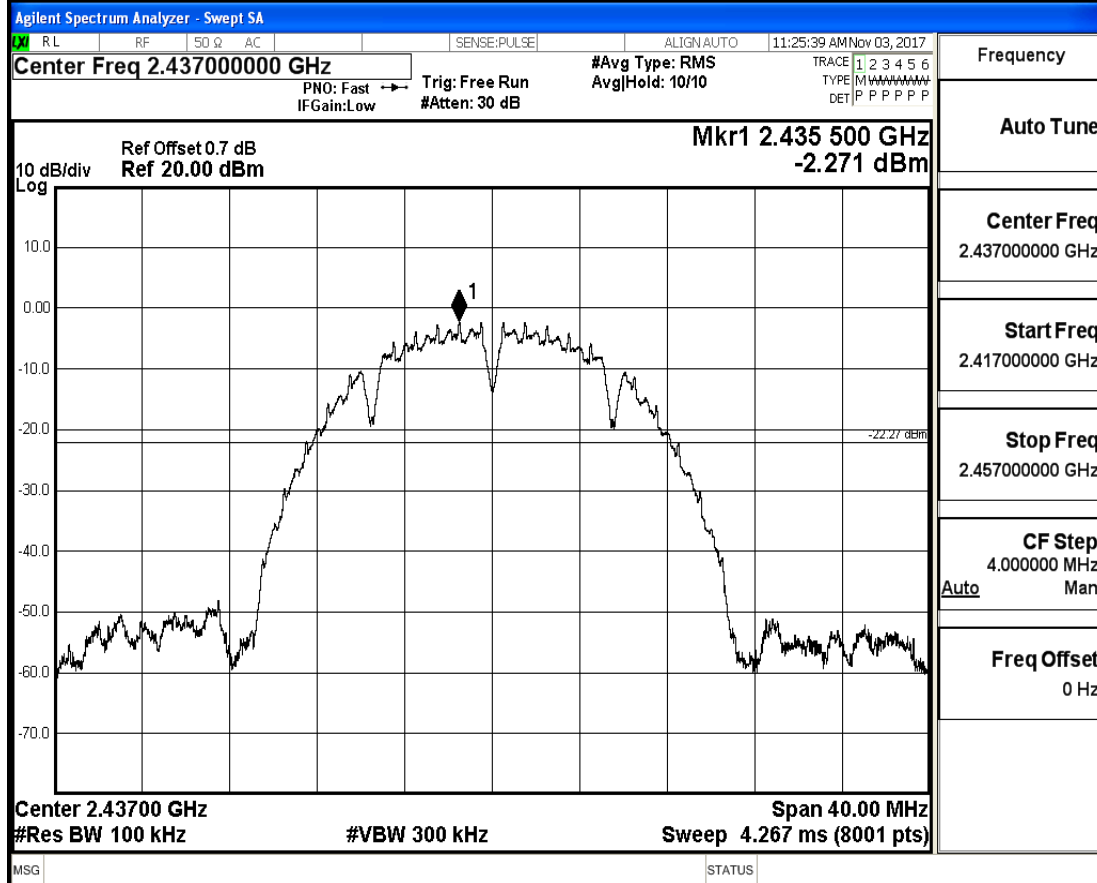
4.RF Conducted Spurious Emissions

Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	26000	100	300	-2.823	-51.231	<-22.823	PASS
11B	2437	Ant1	30	26000	100	300	-2.271	-50.724	<-22.271	PASS
11B	2462	Ant1	30	26000	100	300	-1.852	-50.977	<-21.852	PASS
11G	2412	Ant1	30	26000	100	300	-7.015	-50.139	<-27.015	PASS
11G	2437	Ant1	30	26000	100	300	-6.729	-51.030	<-26.729	PASS
11G	2462	Ant1	30	26000	100	300	-5.73	-50.199	<-25.73	PASS
11N20SISO	2412	Ant1	30	26000	100	300	-6.997	-50.272	<-26.997	PASS
11N20SISO	2437	Ant1	30	26000	100	300	-6.508	-51.038	<-26.508	PASS
11N20SISO	2462	Ant1	30	26000	100	300	-5.892	-49.924	<-25.892	PASS

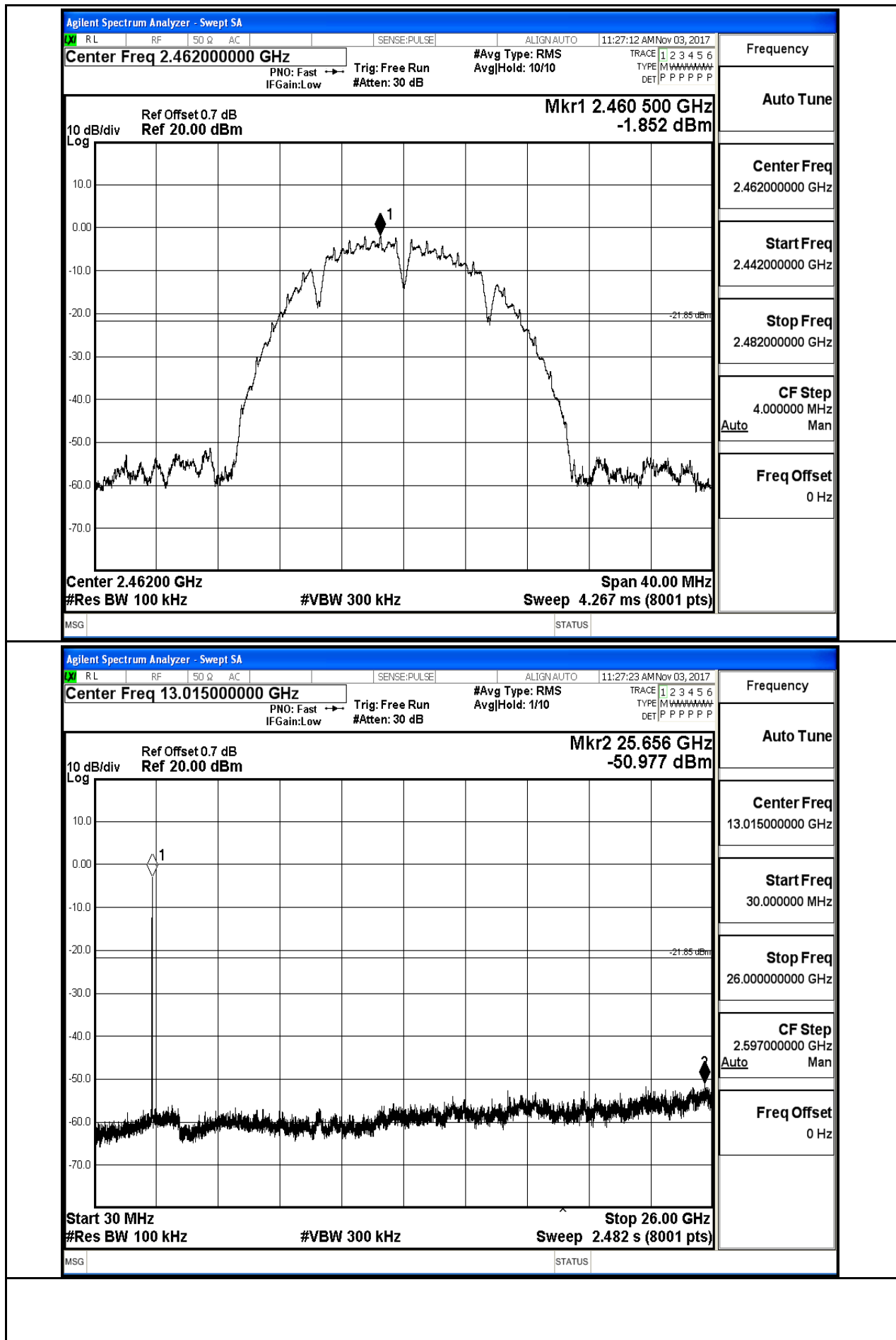
RF Conducted Spurious Emissions_11B_2412_Ant1



RF Conducted Spurious Emissions_11B_2437_Ant1



RF Conducted Spurious Emissions_11B_2462_Ant1



Frequency

Auto Tune

Center Freq
13.01500000 GHz

Start Freq
30.000000 MHz

Stop Freq
26.00000000 GHz

CF Step
2.597000000 GHz
Auto Man

Freq Offset
0 Hz

Ref Offset 0.7 dB

Ref 20.00 dBm

Mkr2 25.656 GHz
-50.977 dBm

10 dB/div

Log

Start 30 MHz

#Res BW 100 kHz

#VBW 300 kHz

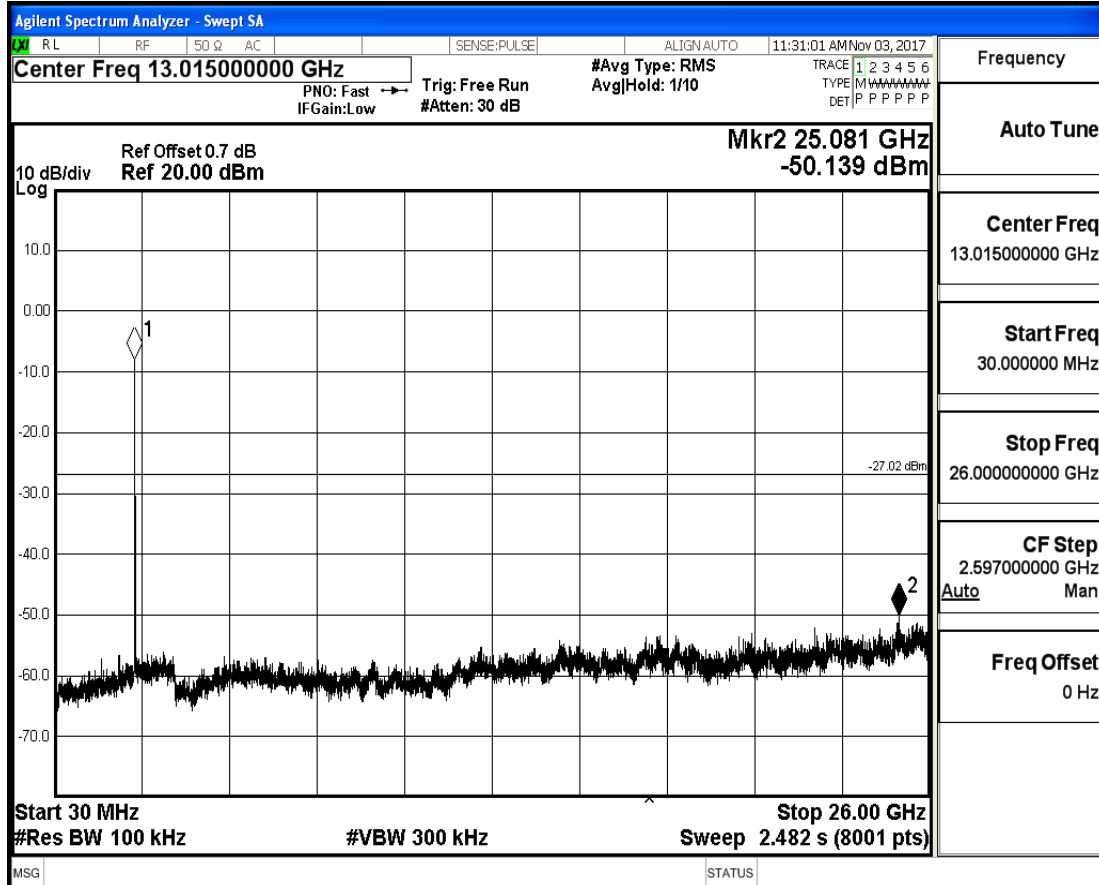
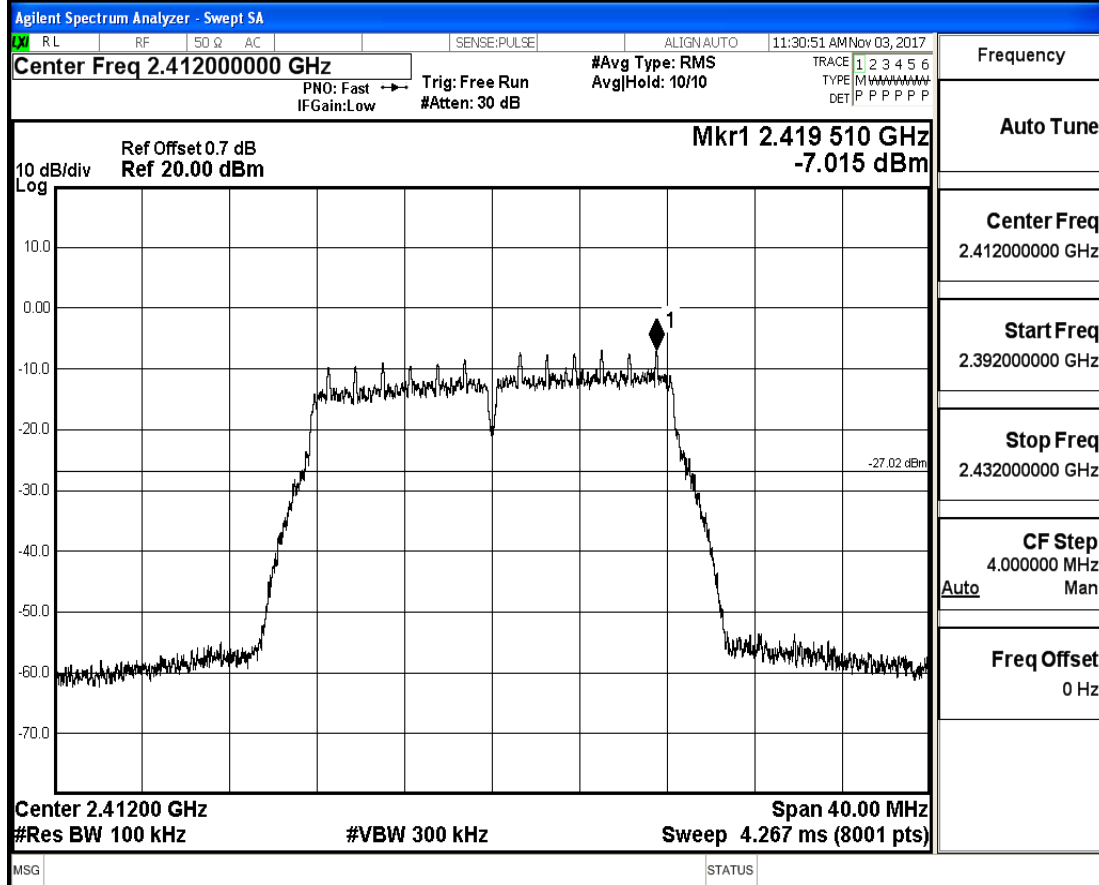
Stop 26.00 GHz

Sweep 2.482 s (8001 pts)

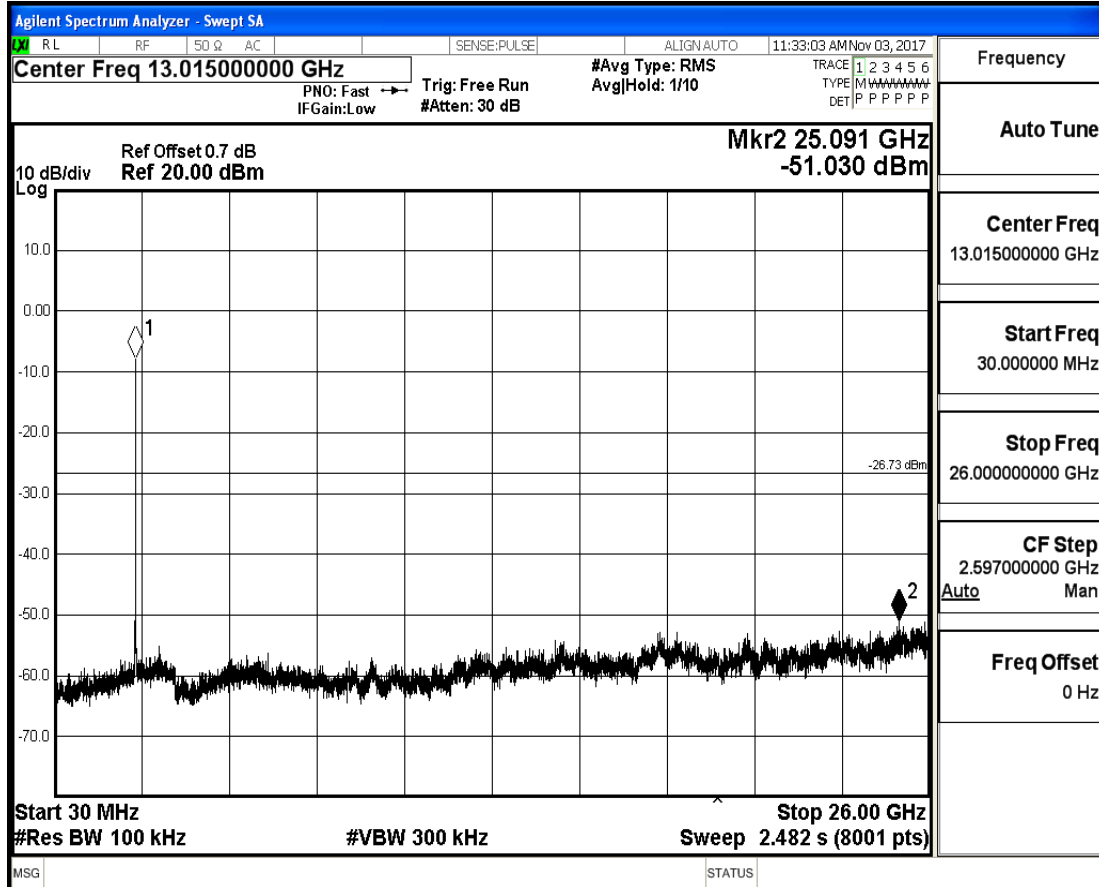
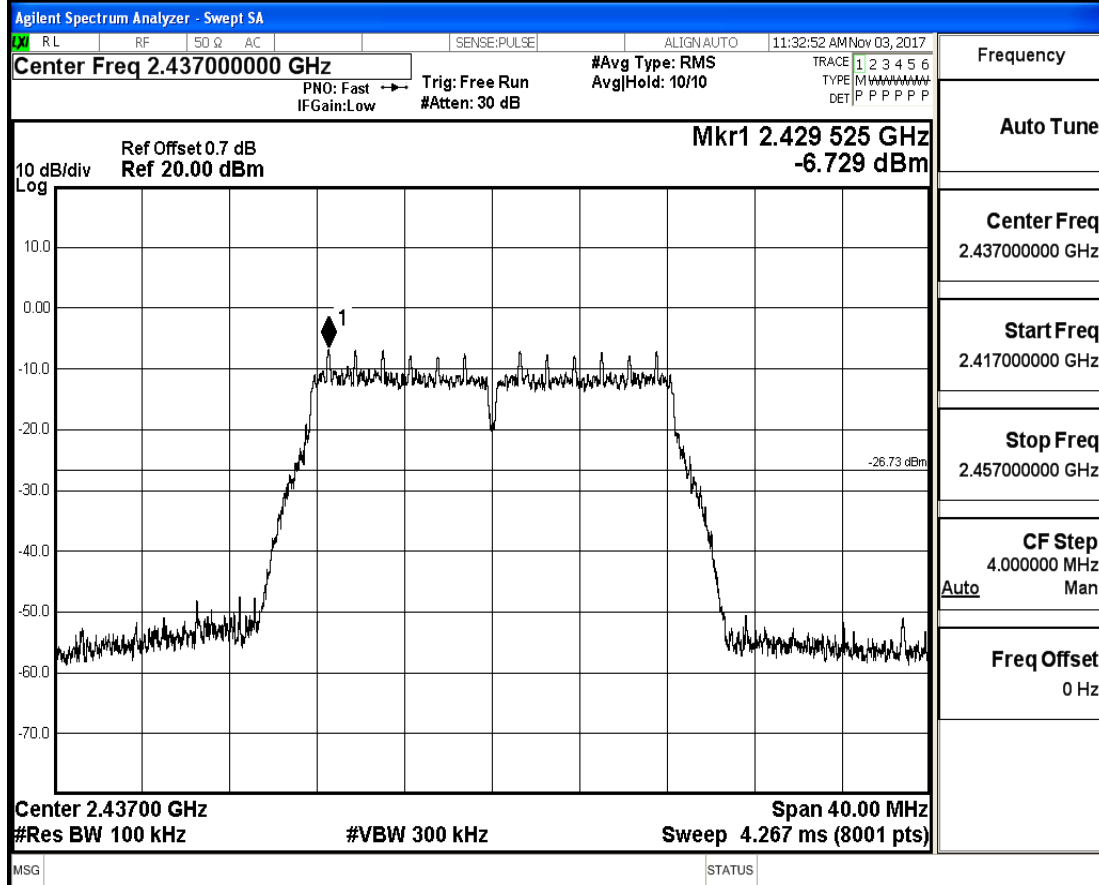
MSG

STATUS

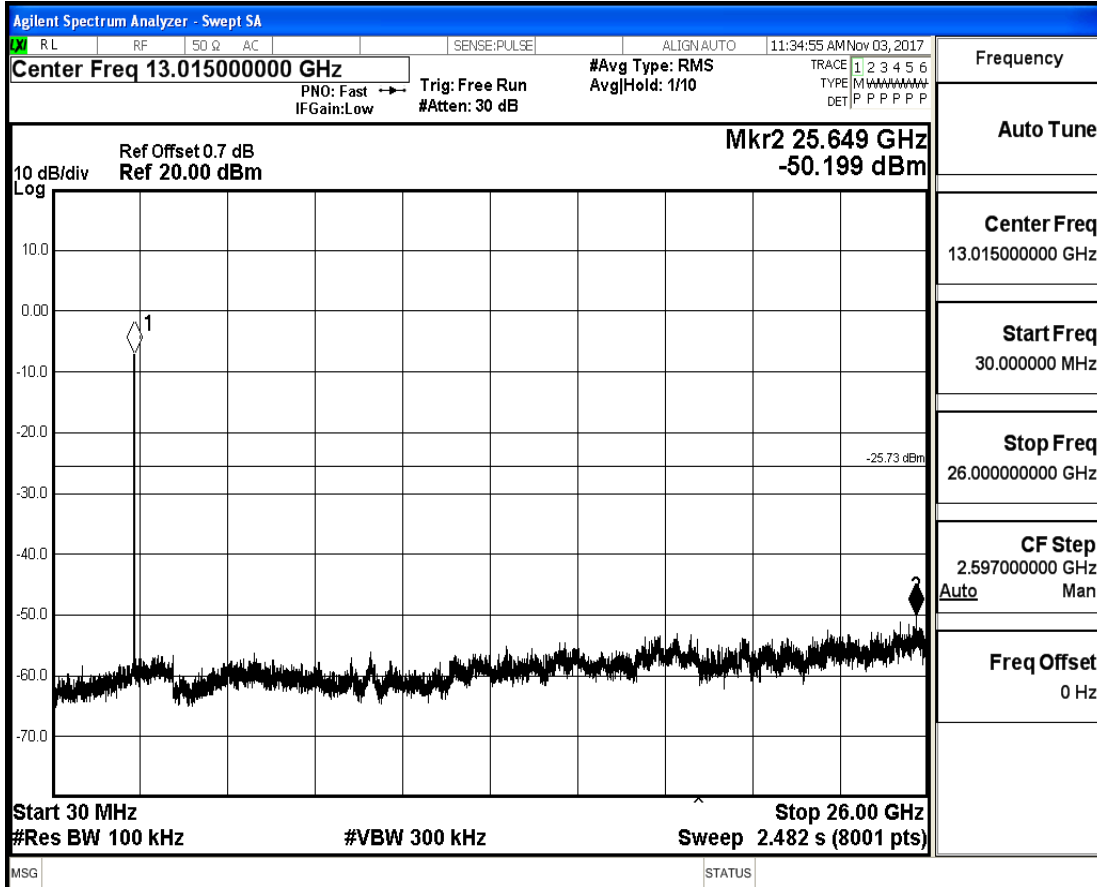
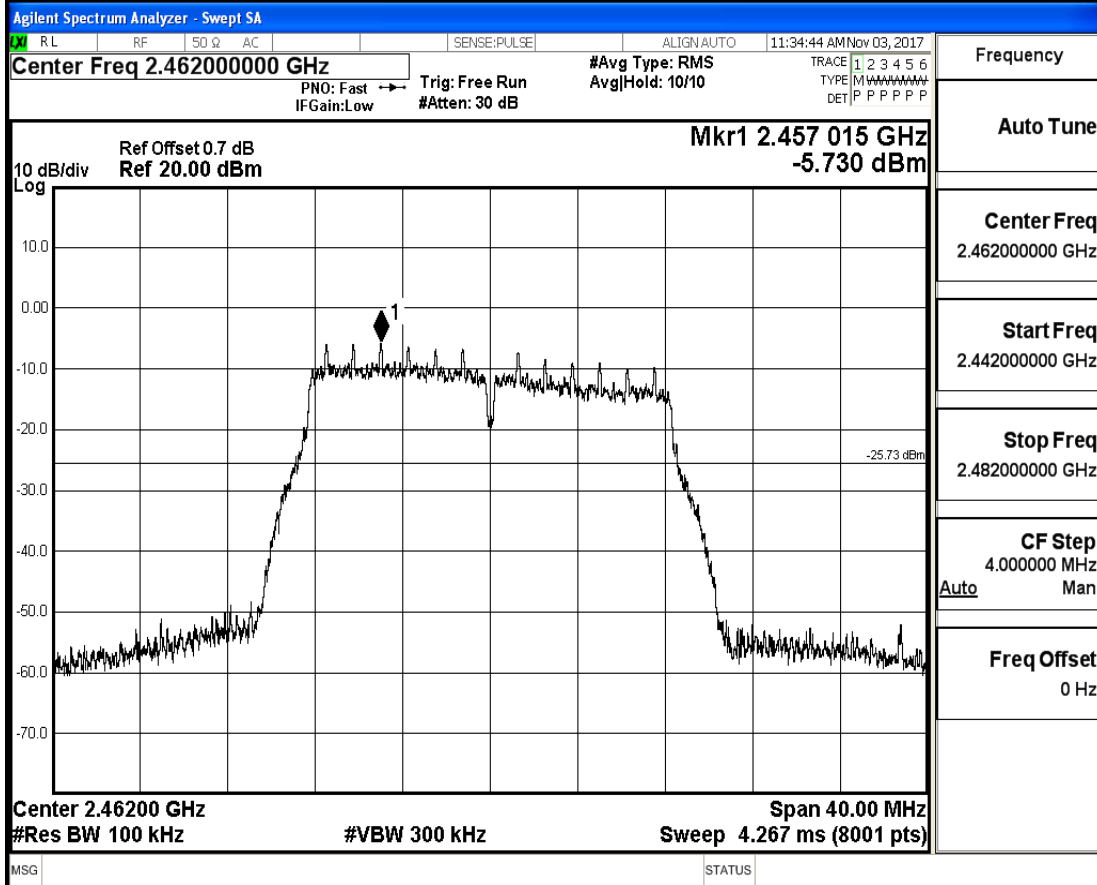
RF Conducted Spurious Emissions_11G_2412_Ant1



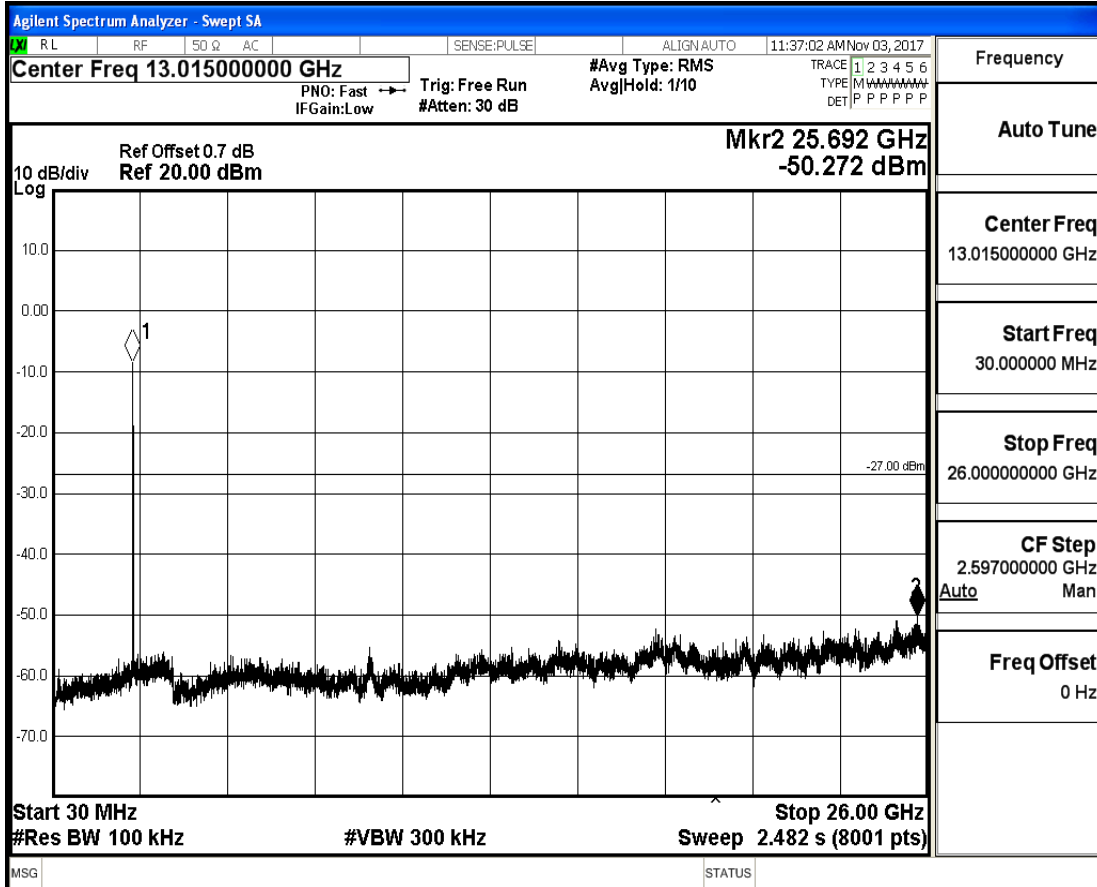
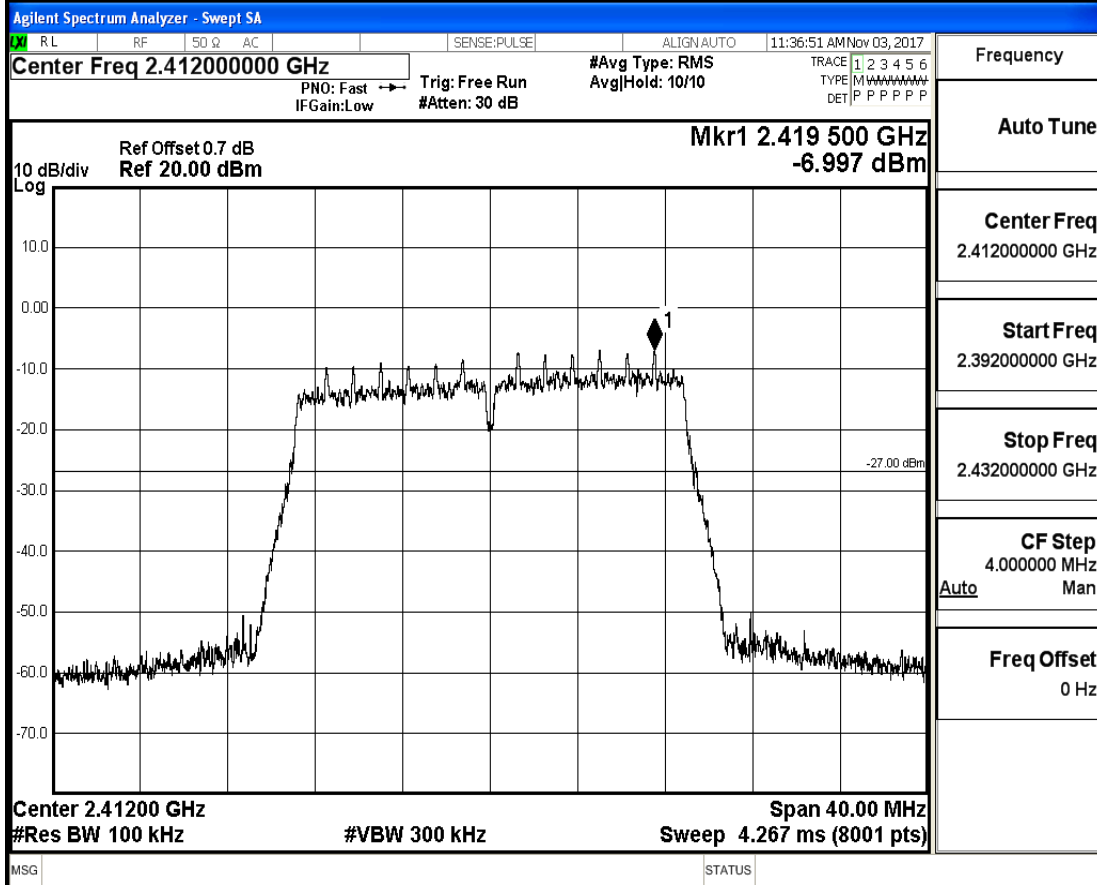
RF Conducted Spurious Emissions_11G_2437_Ant1



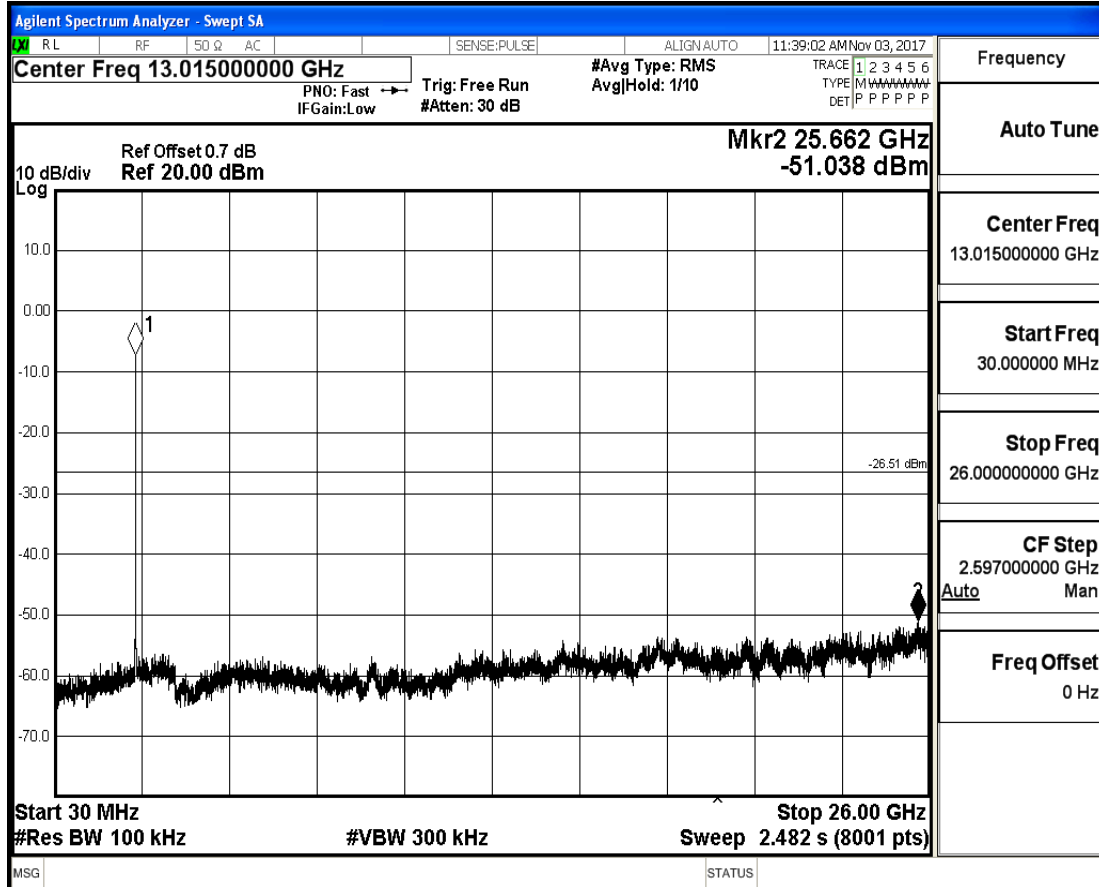
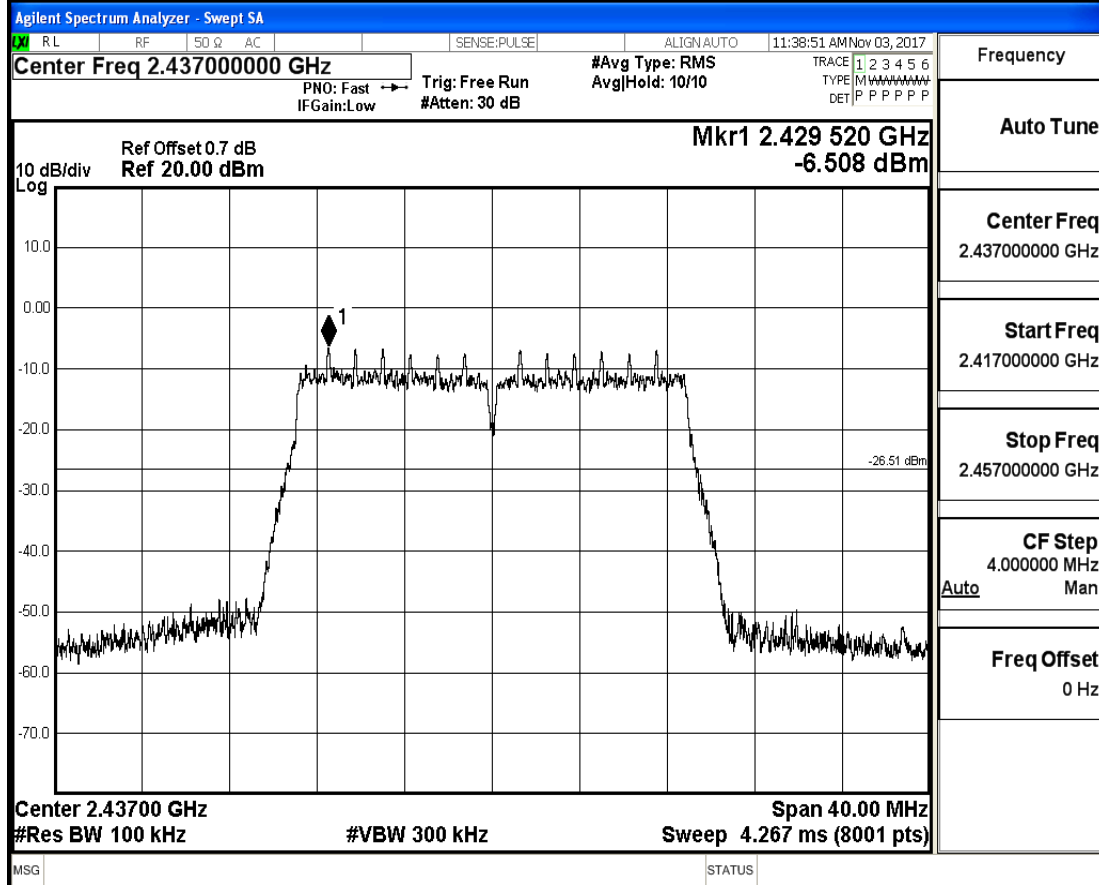
RF Conducted Spurious Emissions_11G_2462_Ant1



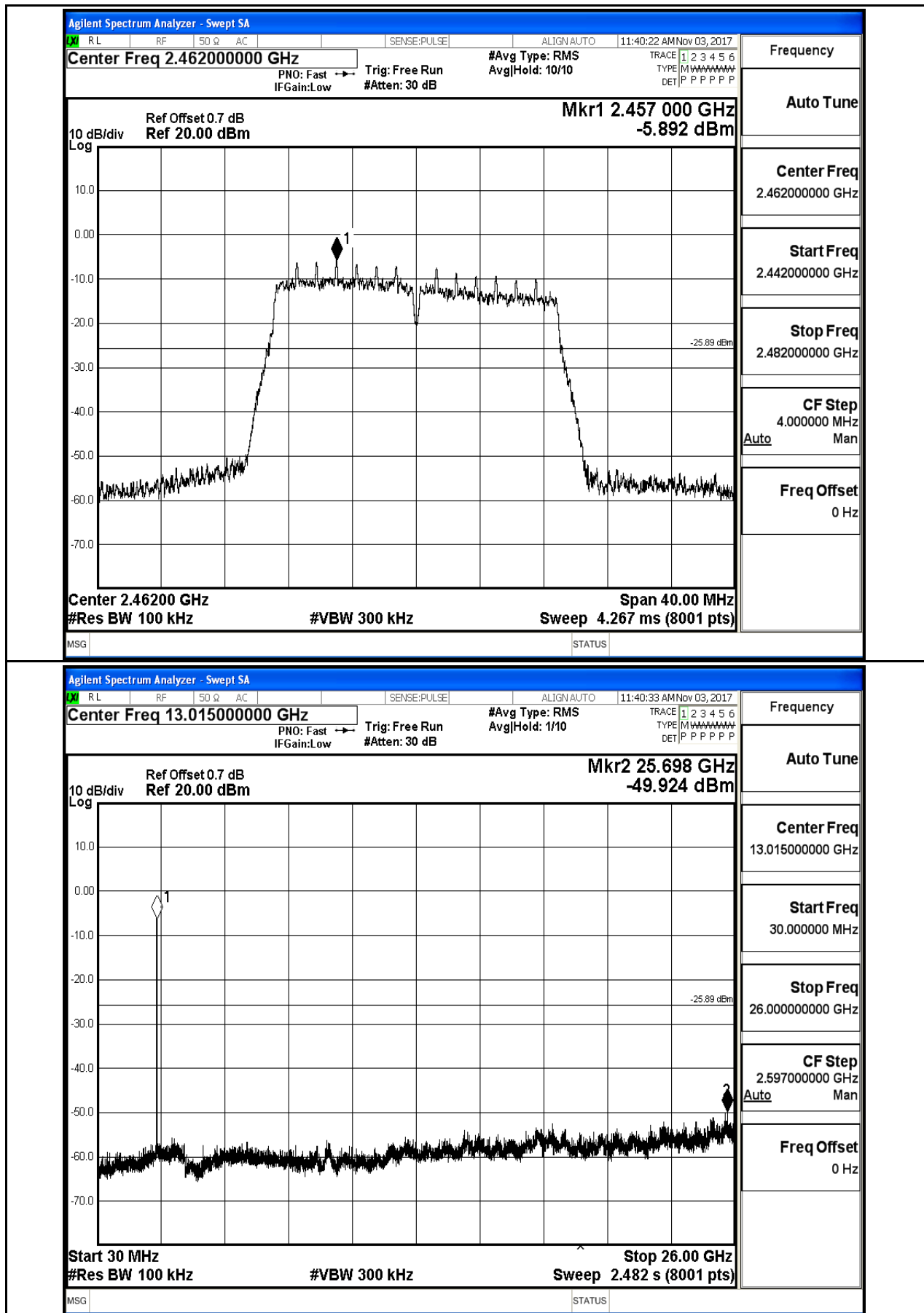
RF Conducted Spurious Emissions_11N20SISO_2412_Ant1



RF Conducted Spurious Emissions_11N20SISO_2437_Ant1



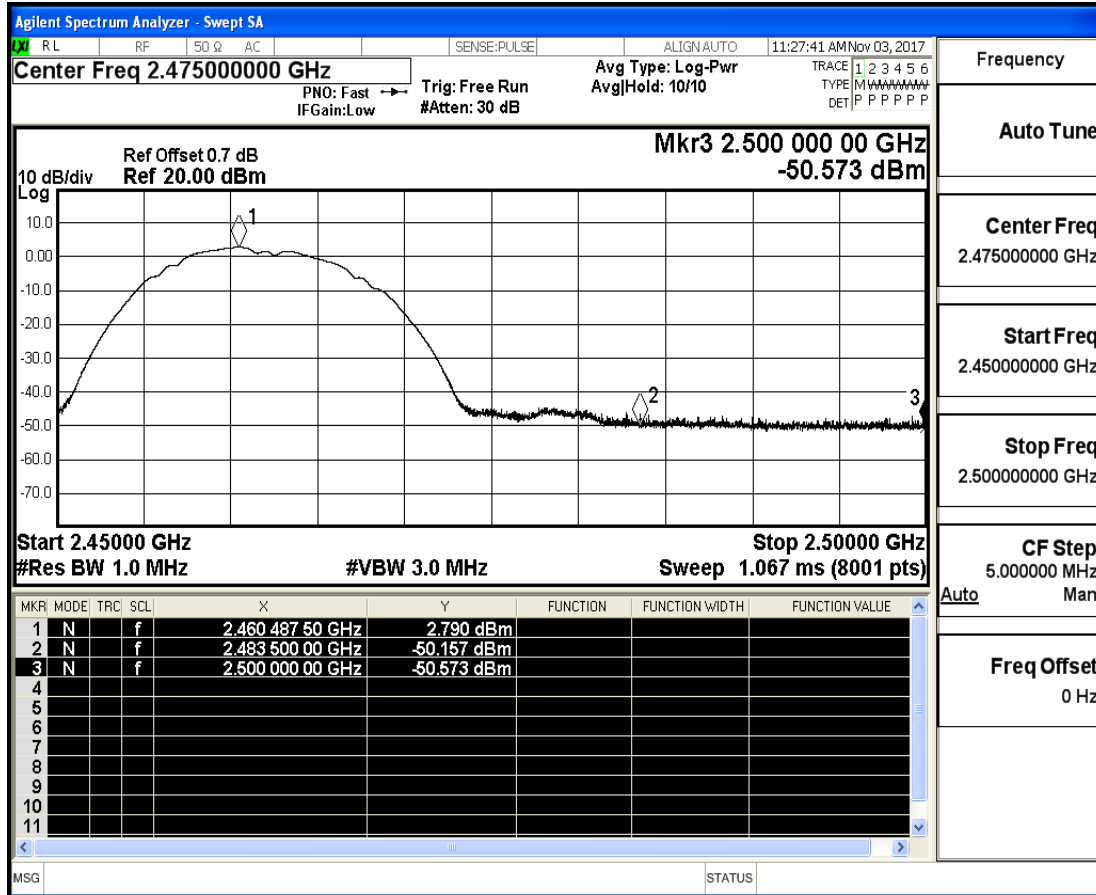
RF Conducted Spurious Emissions_11N20SISO_2462_Ant1



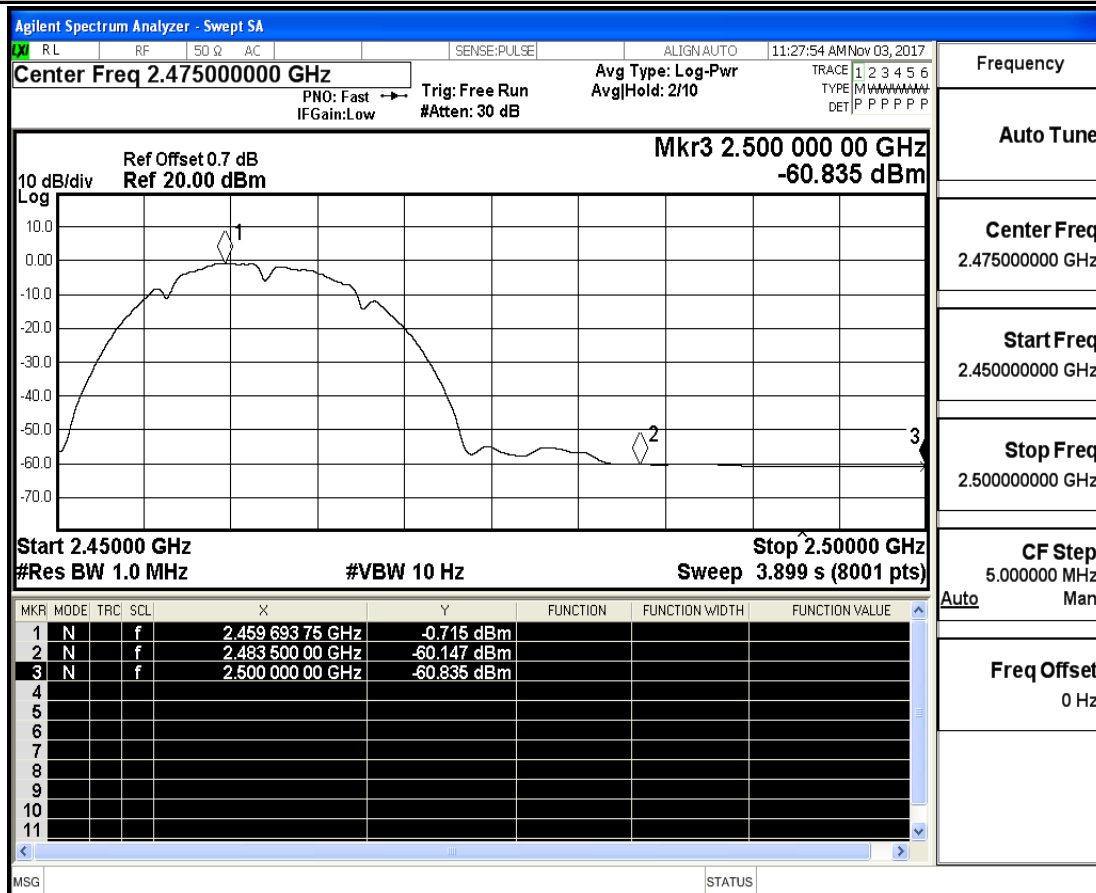
5.Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-49.54	0	0	45.72	PEAK	74	PASS
11B	2412	Ant1	2310.0	-61.42	0	0	33.83	AV	54	PASS
11B	2412	Ant1	2390.0	-50.57	0	0	44.69	PEAK	74	PASS
11B	2412	Ant1	2390.0	-61.11	0	0	34.15	AV	54	PASS
11B	2462	Ant1	2483.5	-50.16	0	0	45.10	PEAK	74	PASS
11B	2462	Ant1	2483.5	-60.15	0	0	35.11	AV	54	PASS
11B	2462	Ant1	2500.0	-50.57	0	0	44.68	PEAK	74	PASS
11B	2462	Ant1	2500.0	-60.84	0	0	34.42	AV	54	PASS
11G	2412	Ant1	2310.0	-50.59	0	0	44.67	PEAK	74	PASS
11G	2412	Ant1	2310.0	-61.45	0	0	33.81	AV	54	PASS
11G	2412	Ant1	2390.0	-50.16	0	0	45.10	PEAK	74	PASS
11G	2412	Ant1	2390.0	-61.15	0	0	34.11	AV	54	PASS
11G	2462	Ant1	2483.5	-49.78	0	0	45.47	PEAK	74	PASS
11G	2462	Ant1	2483.5	-59.68	0	0	35.58	AV	54	PASS
11G	2462	Ant1	2500.0	-50.18	0	0	45.08	PEAK	74	PASS
11G	2462	Ant1	2500.0	-60.84	0	0	34.42	AV	54	PASS
11N20SISO	2412	Ant1	2310.0	-51.48	0	0	43.77	PEAK	74	PASS
11N20SISO	2412	Ant1	2310.0	-61.44	0	0	33.82	AV	54	PASS
11N20SISO	2412	Ant1	2390.0	-49.29	0	0	45.97	PEAK	74	PASS
11N20SISO	2412	Ant1	2390.0	-61.15	0	0	34.10	AV	54	PASS
11N20SISO	2462	Ant1	2483.5	-48.62	0	0	46.64	PEAK	74	PASS
11N20SISO	2462	Ant1	2483.5	-59.67	0	0	35.59	AV	54	PASS
11N20SISO	2462	Ant1	2500.0	-50.80	0	0	44.46	PEAK	74	PASS
11N20SISO	2462	Ant1	2500.0	-60.88	0	0	34.38	AV	54	PASS

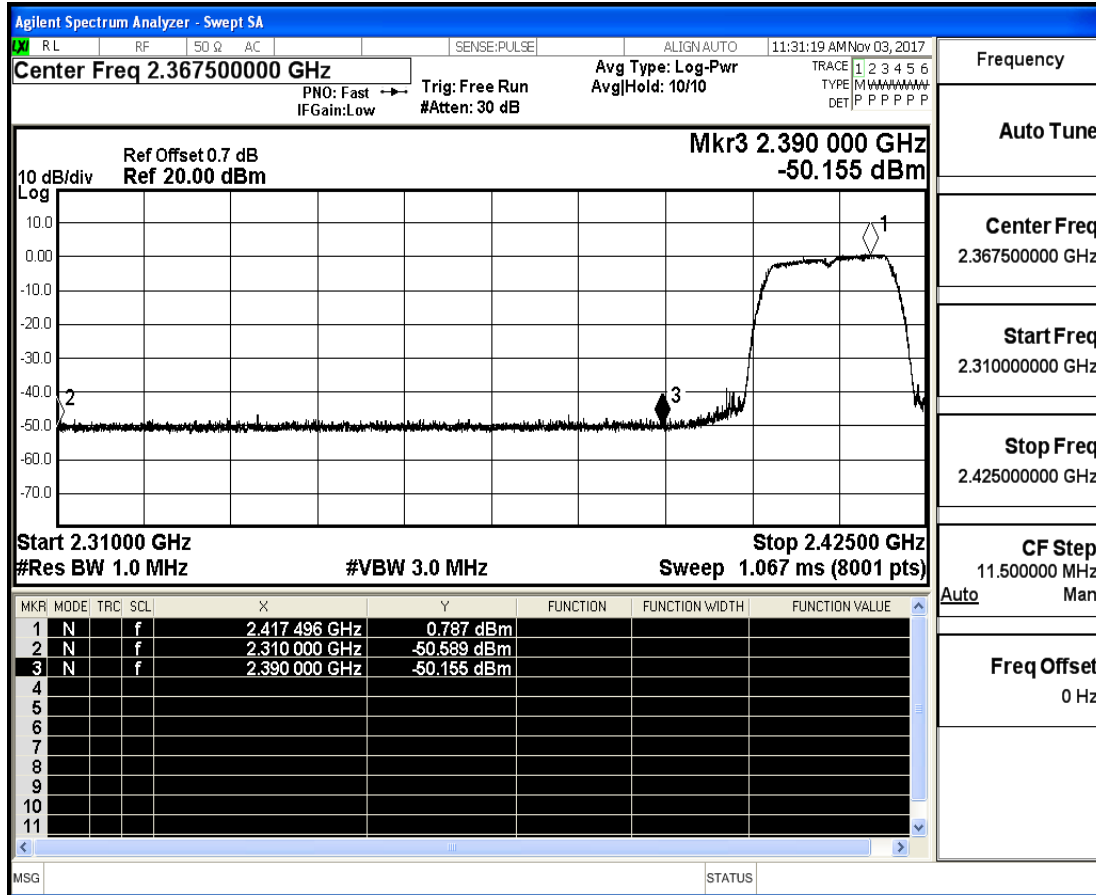
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



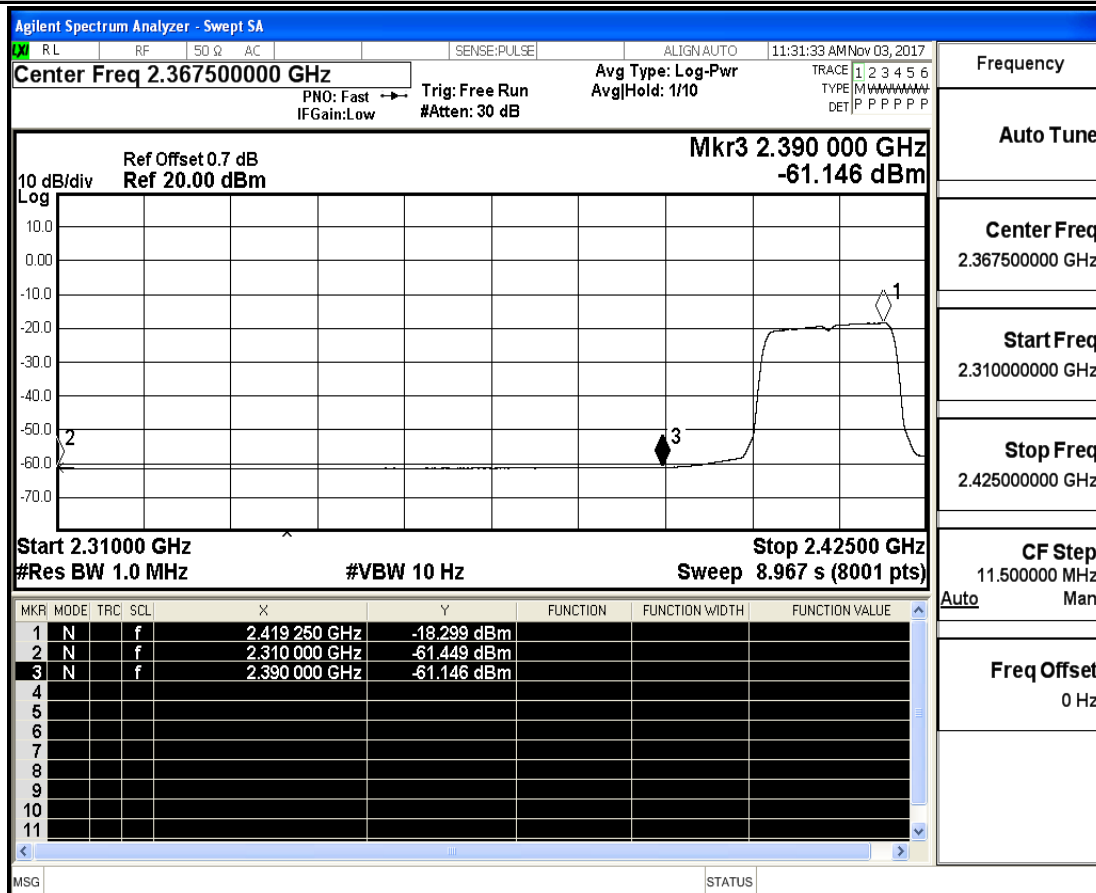
Restrict-band band-edge measurements_11B_2462_Ant1_AV



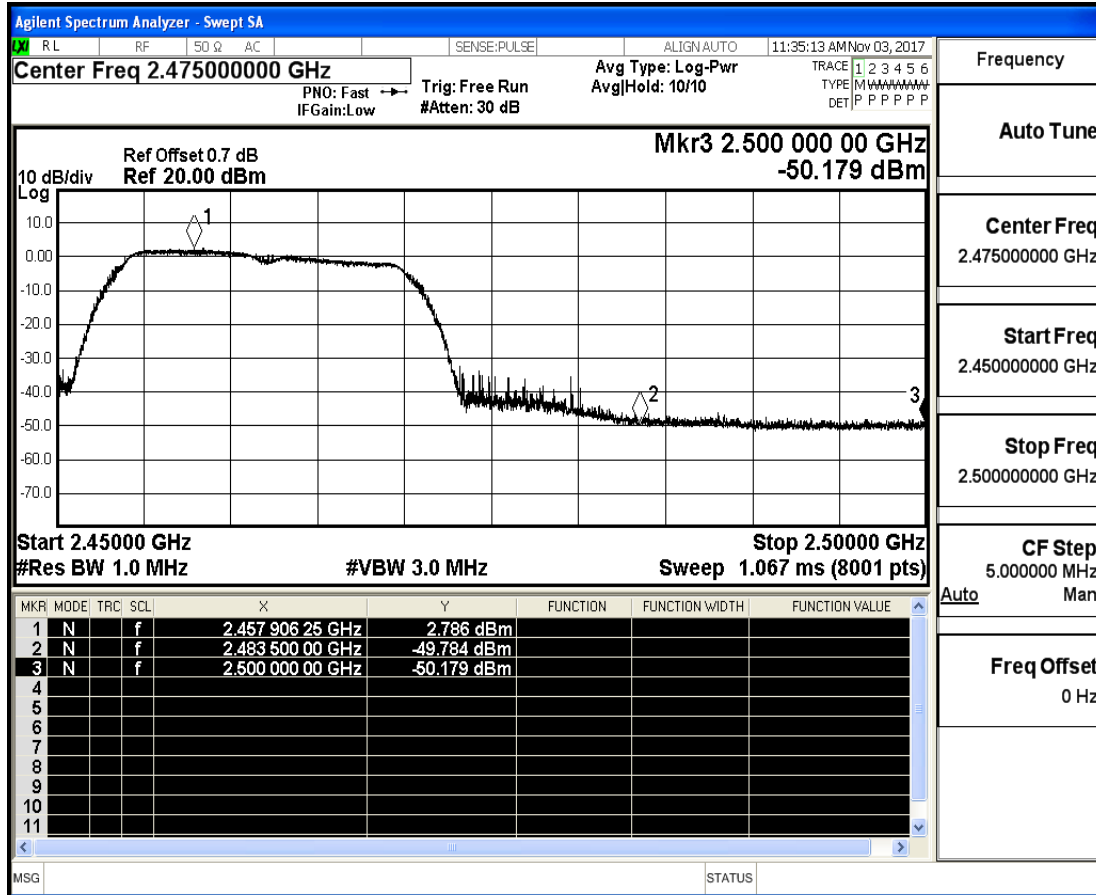
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



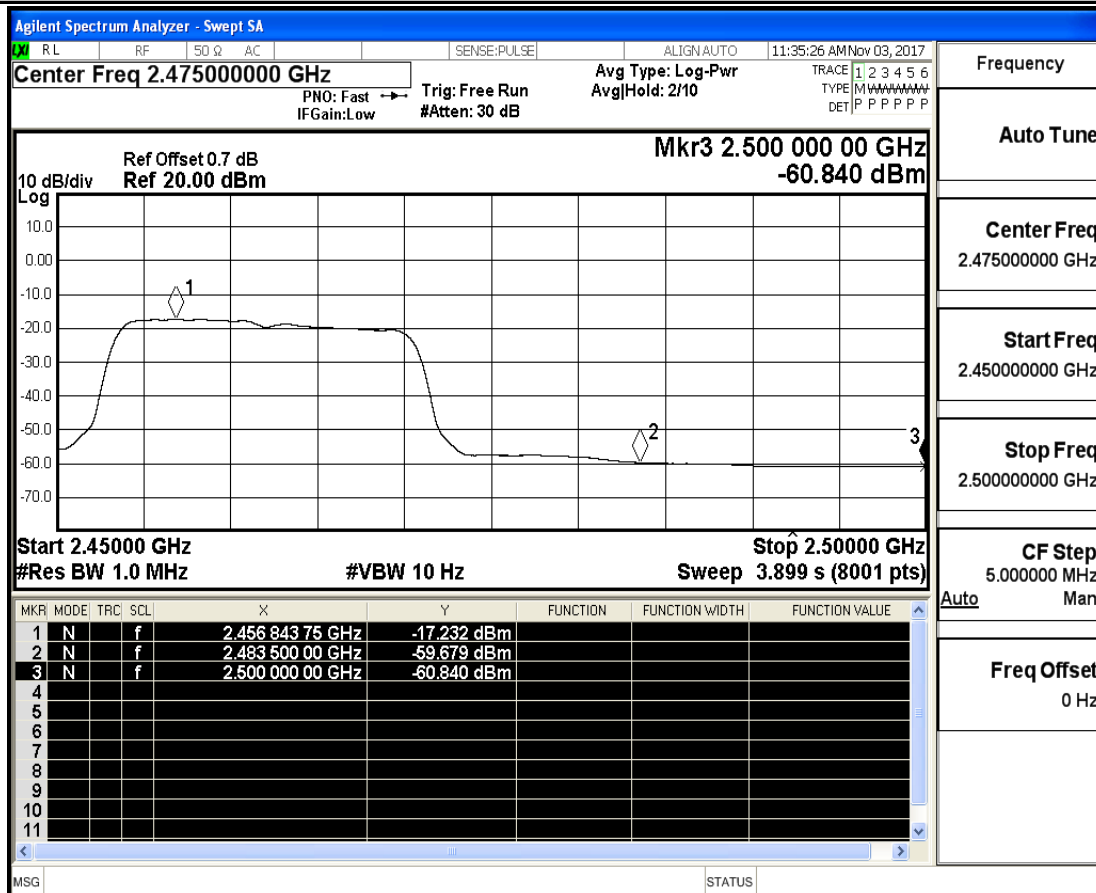
Restrict-band band-edge measurements_11G_2412_Ant1_AV



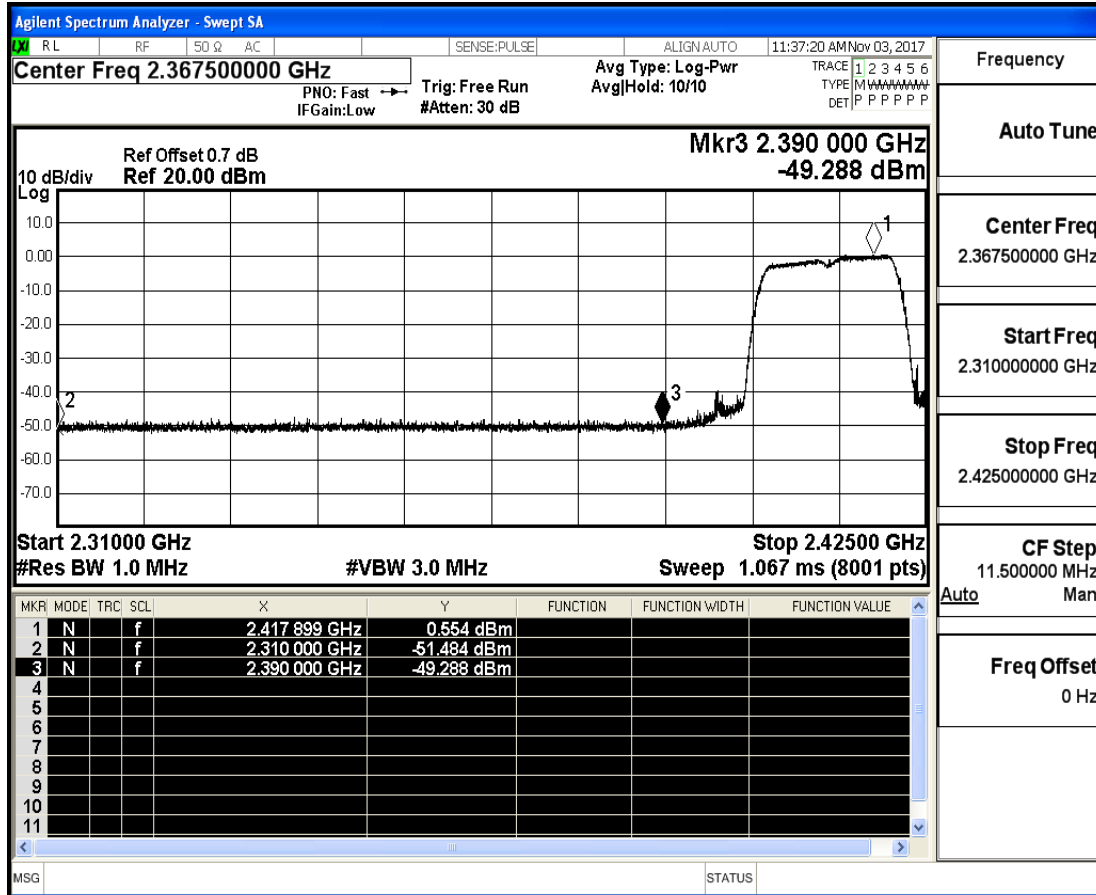
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



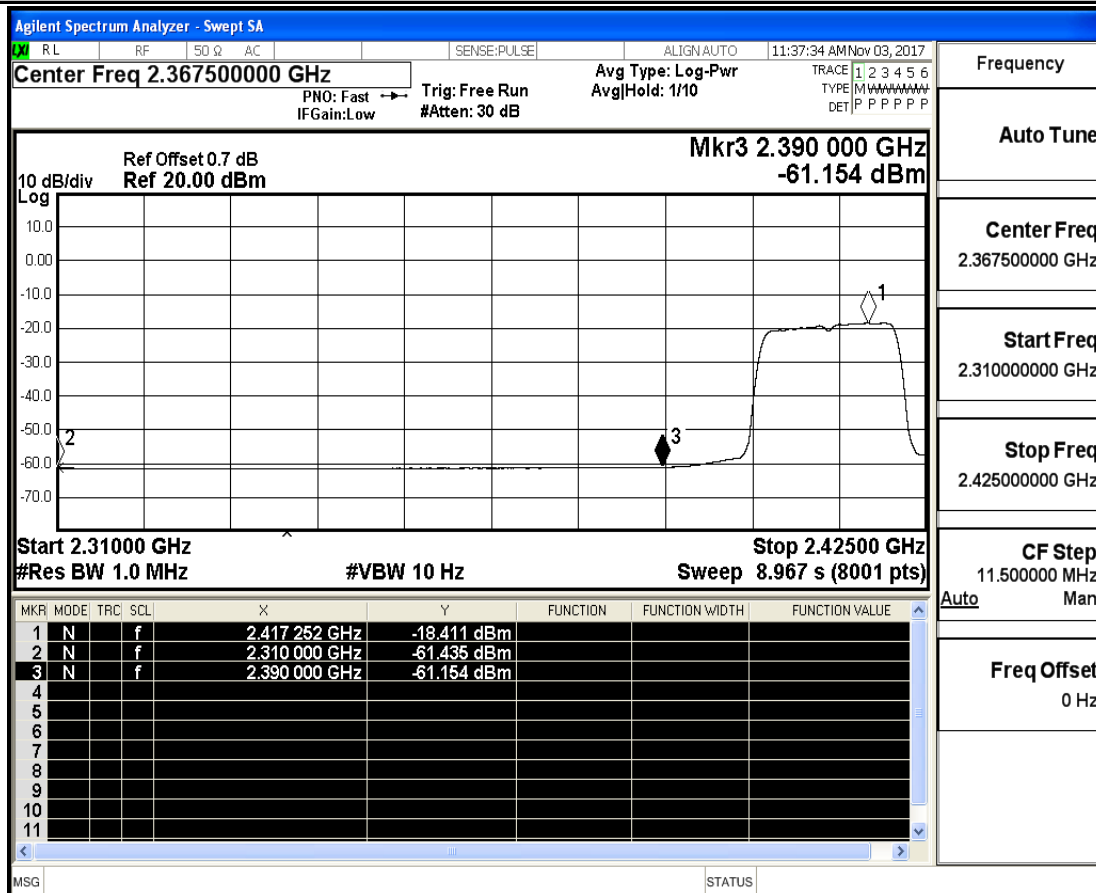
Restrict-band band-edge measurements_11G_2462_Ant1_AV



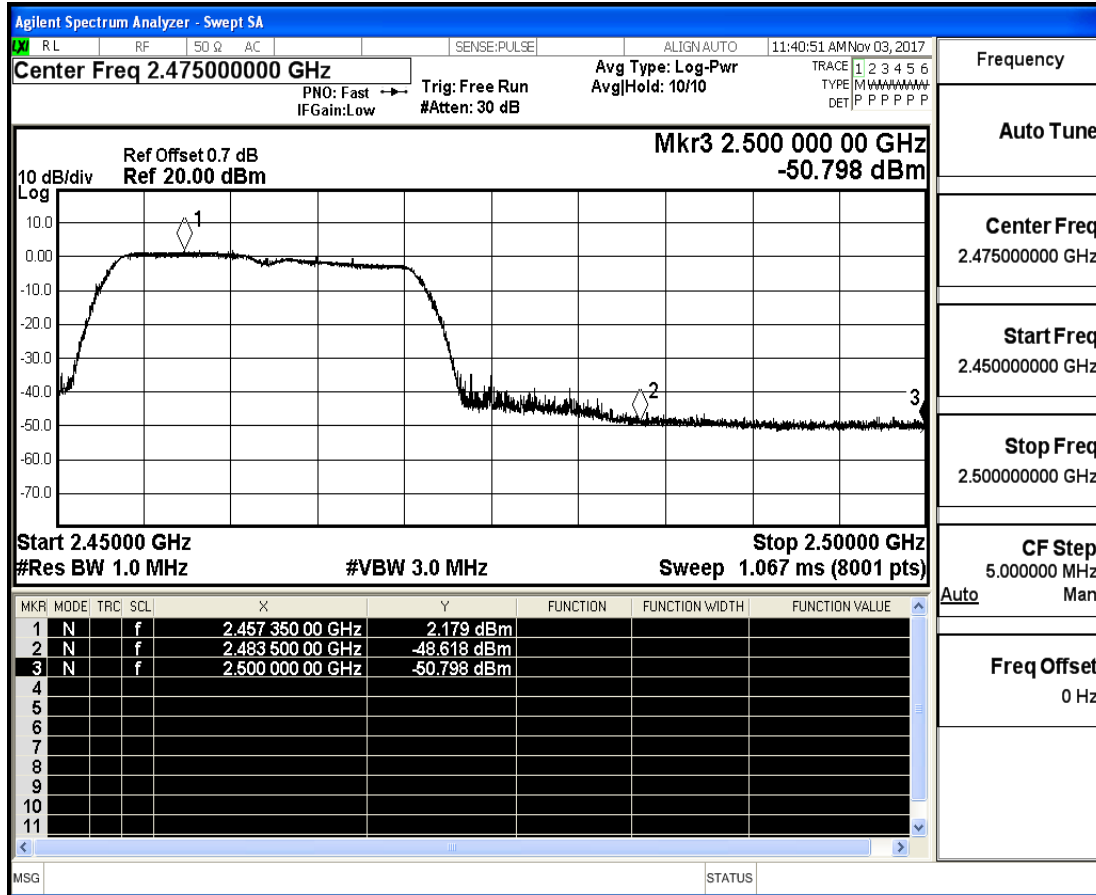
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



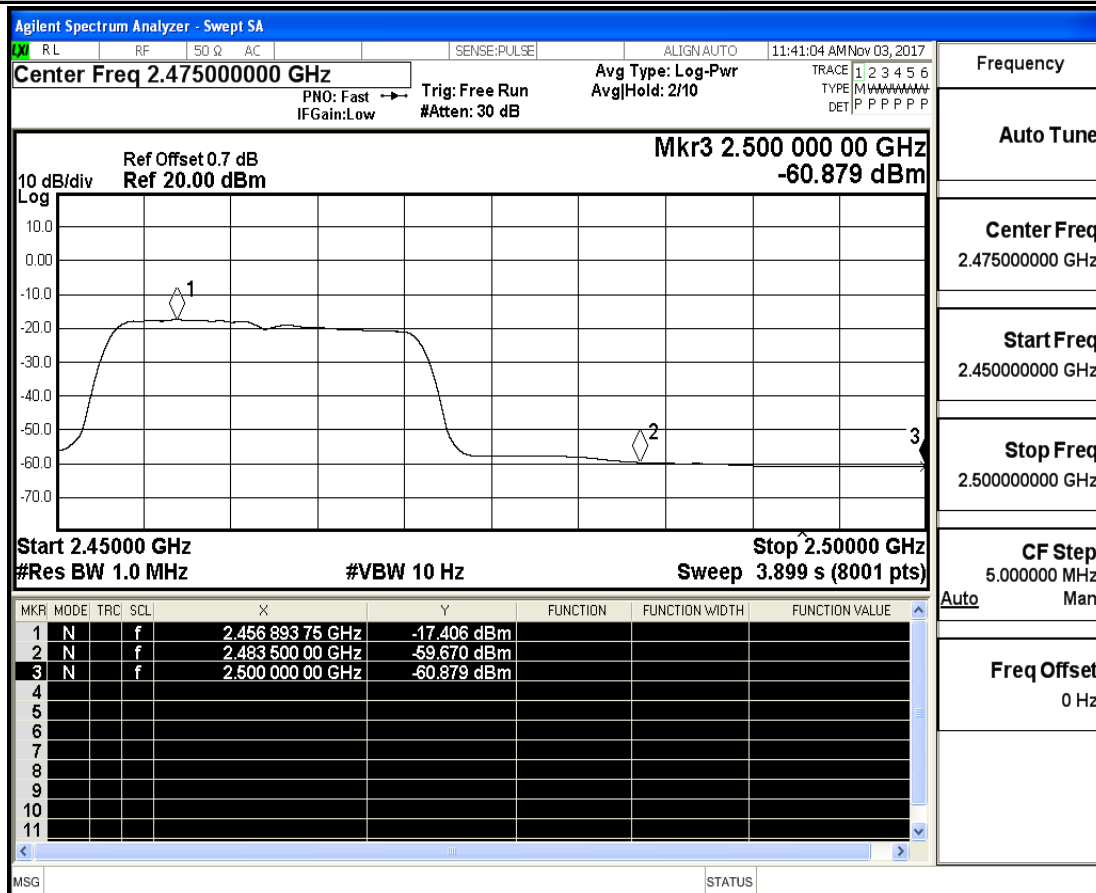
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK

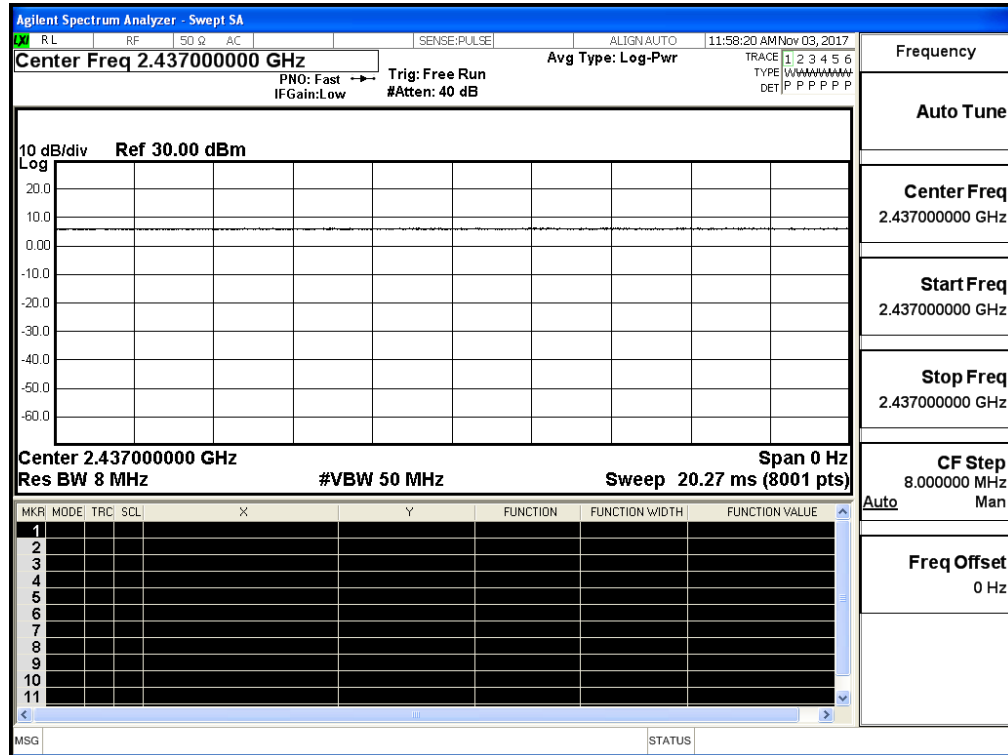


Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



6. On Time and Duty Cycle

On Time and Duty Cycle_11b_2437



On Time and Duty Cycle_11g_2437

