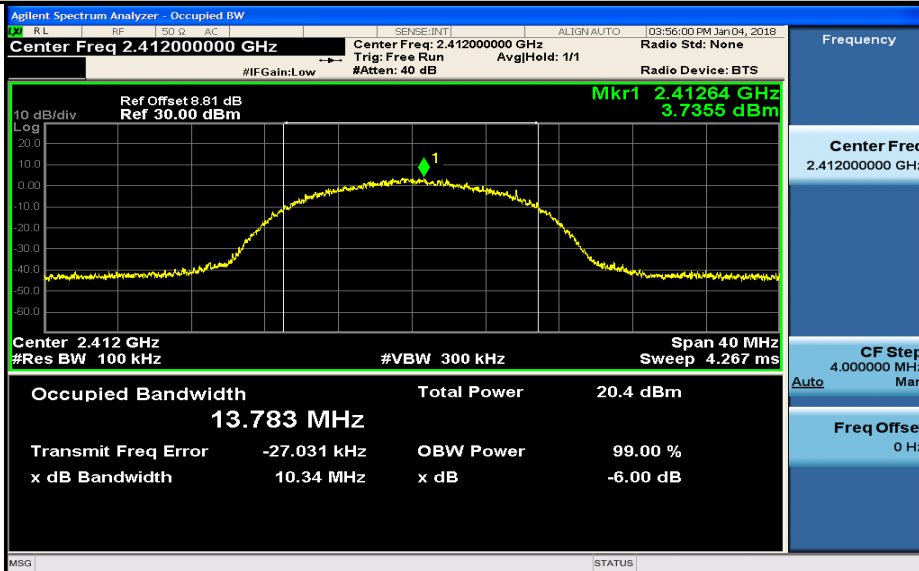


**Appendix A for SZEM180100056202**

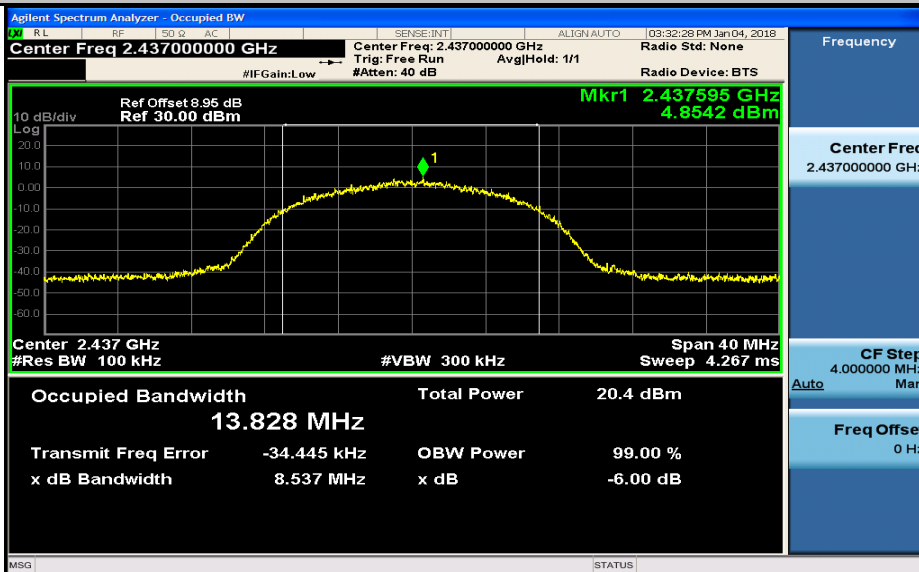
**1.6dB Bandwidth**

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.34	0.5	PASS
11B	2437	Ant1	8.537	0.5	PASS
11B	2462	Ant1	8.907	0.5	PASS
11G	2412	Ant1	15.11	0.5	PASS
11G	2437	Ant1	15.12	0.5	PASS
11G	2462	Ant1	15.33	0.5	PASS
11N20SISO	2412	Ant1	15.64	0.5	PASS
11N20SISO	2437	Ant1	15.14	0.5	PASS
11N20SISO	2462	Ant1	16.05	0.5	PASS

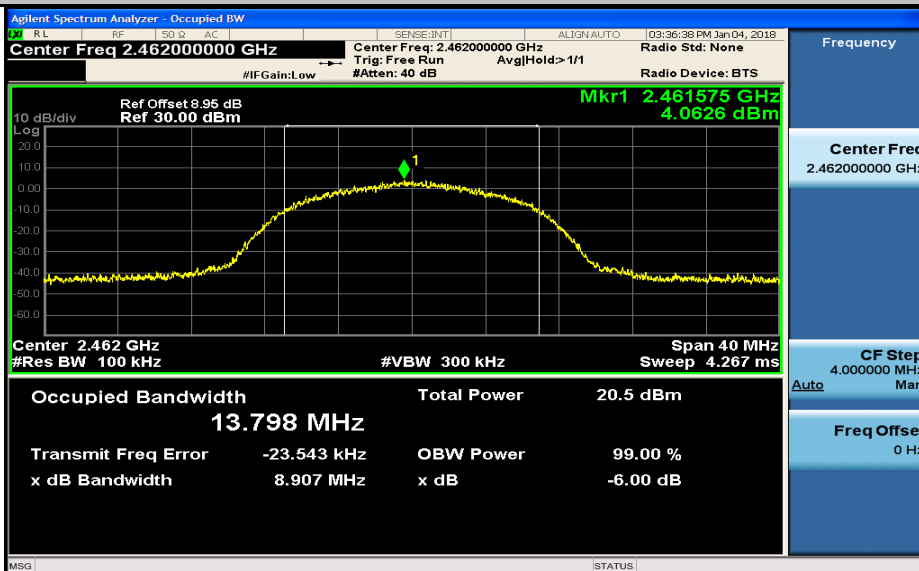
6dB Bandwidth\_11B\_2412\_Ant1



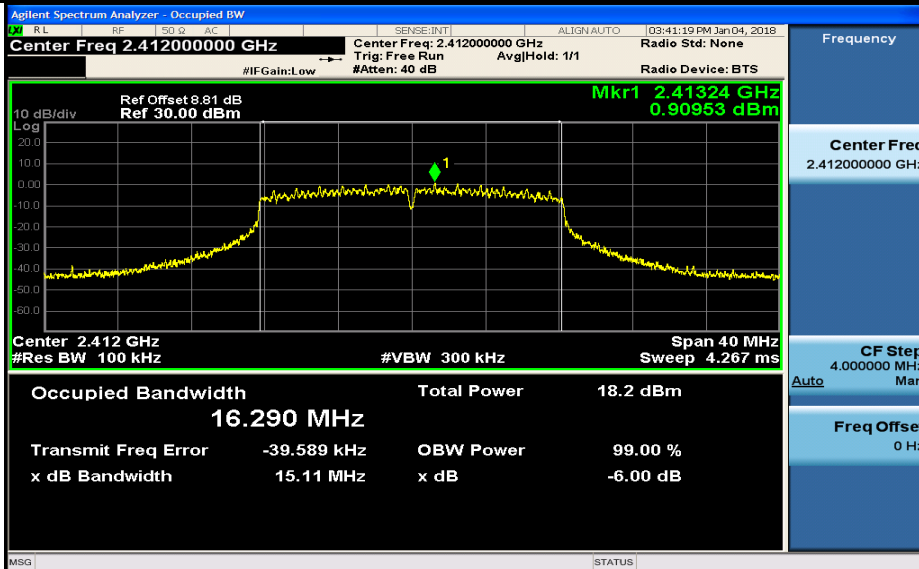
6dB Bandwidth\_11B\_2437\_Ant1



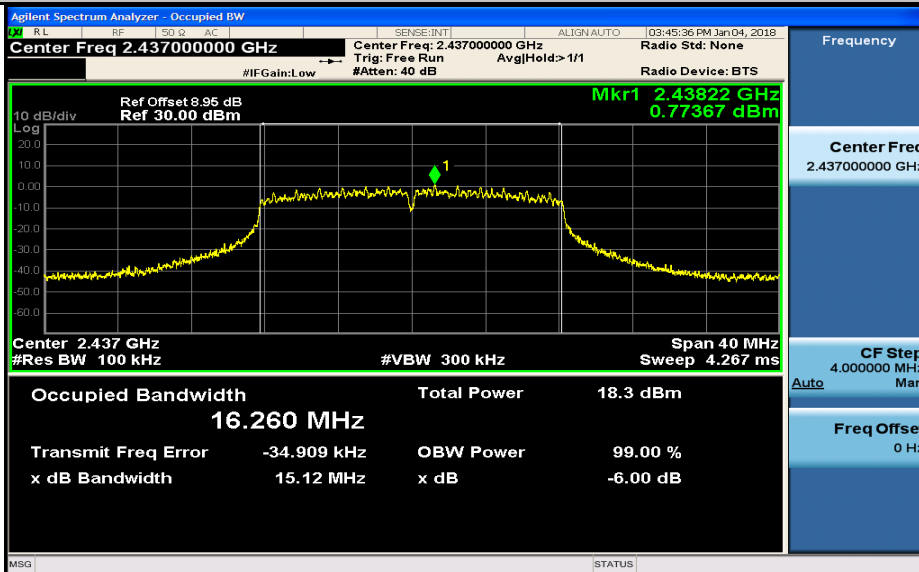
6dB Bandwidth\_11B\_2462\_Ant1



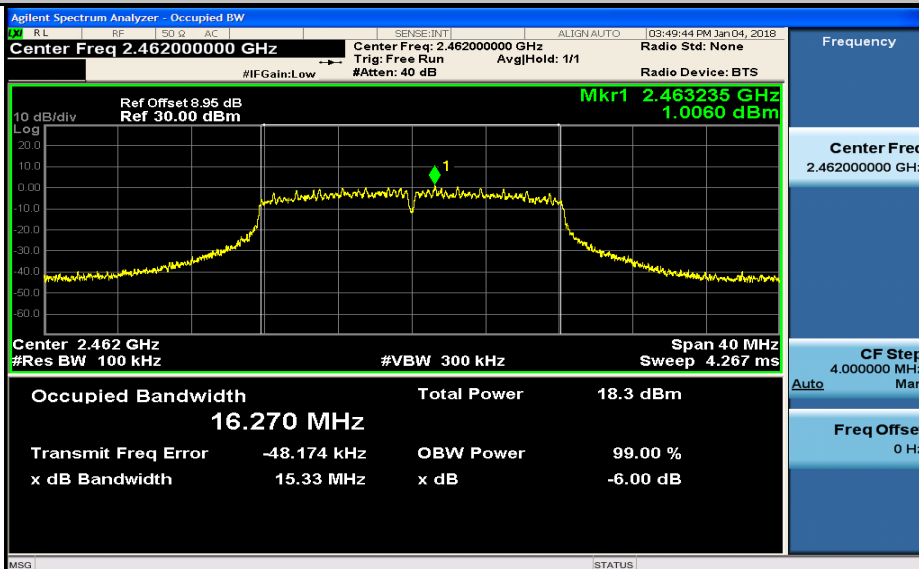
6dB Bandwidth\_11G\_2412\_Ant1



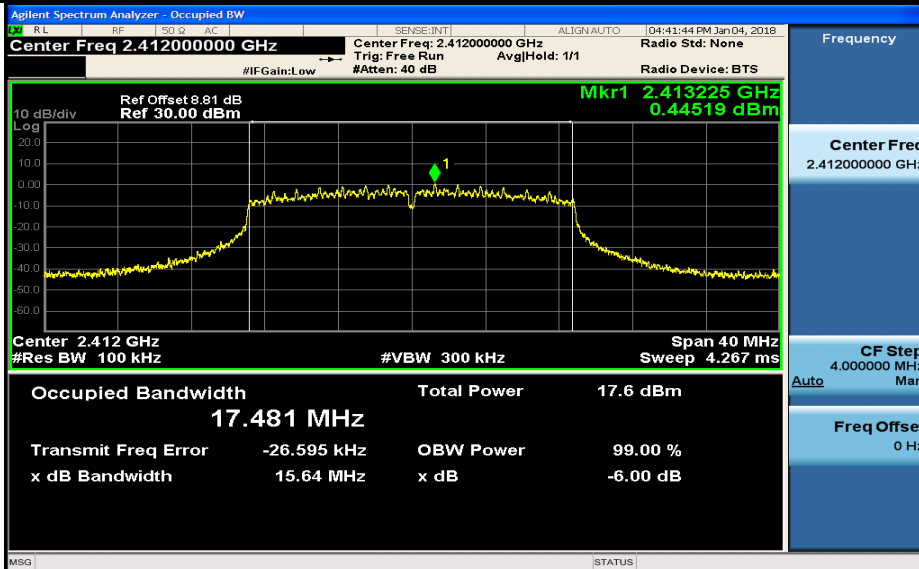
6dB Bandwidth\_11G\_2437\_Ant1



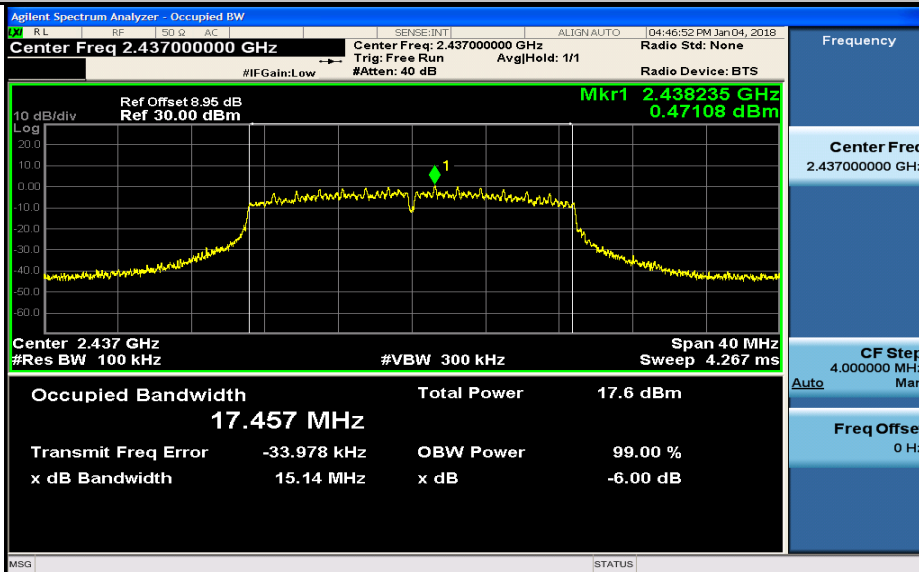
6dB Bandwidth\_11G\_2462\_Ant1



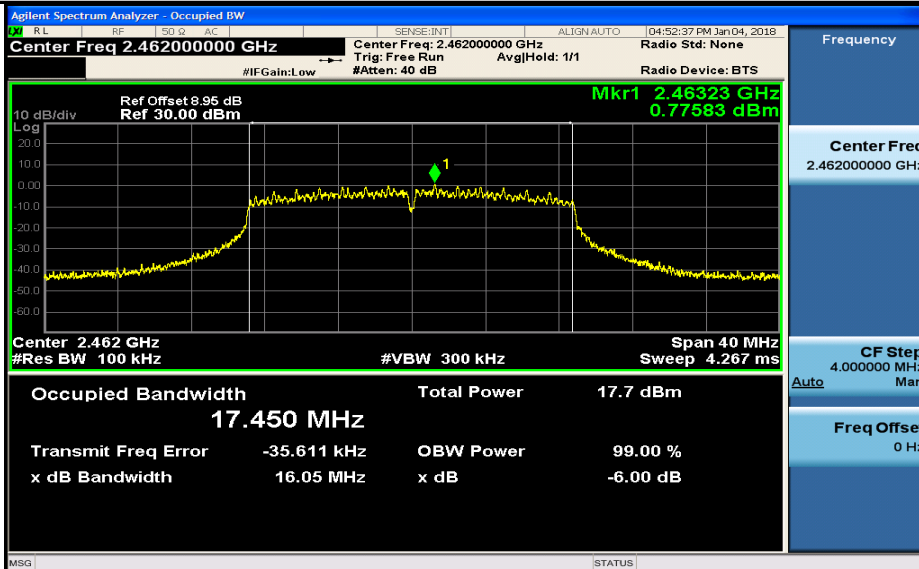
6dB Bandwidth\_11N20SISO\_2412\_Ant1



6dB Bandwidth\_11N20SISO\_2437\_Ant1



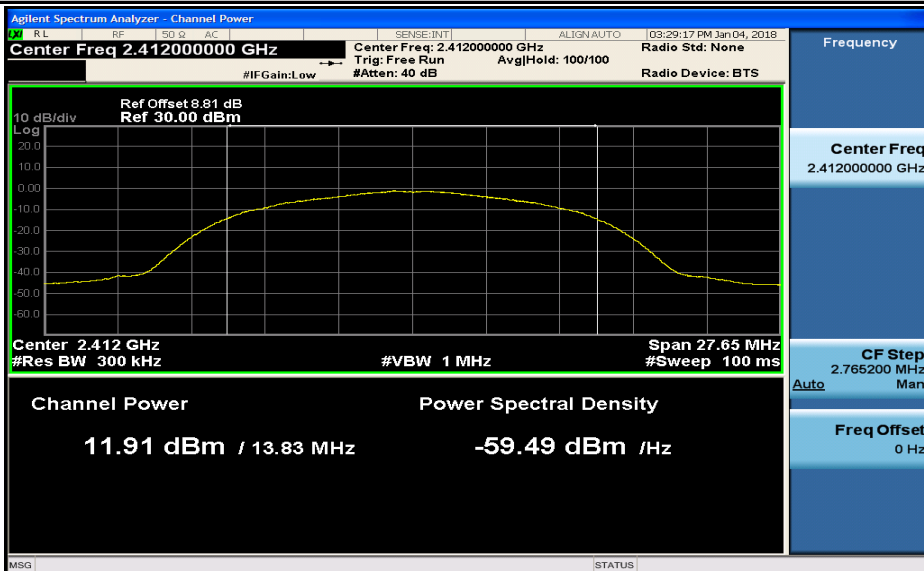
6dB Bandwidth\_11N20SISO\_2462\_Ant1



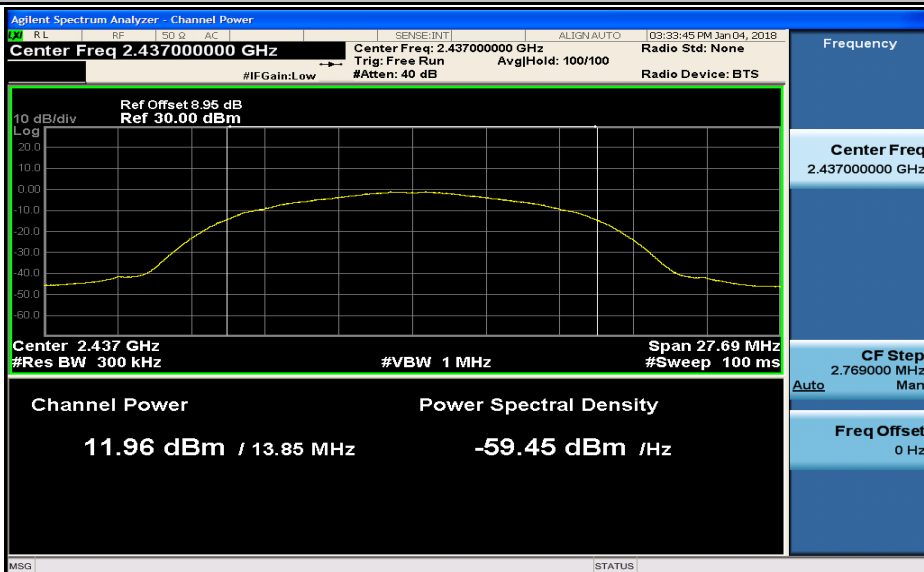
**2.Maximum conducted (average) output power**

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	11.91	0.51	12.42	30	PASS
11B	2437	Ant1	11.96	0.50	12.46	30	PASS
11B	2462	Ant1	12.02	0.49	12.51	30	PASS
11G	2412	Ant1	9.1	2.05	11.15	30	PASS
11G	2437	Ant1	9.15	2.11	11.26	30	PASS
11G	2462	Ant1	9.34	2.11	11.45	30	PASS
11N20SISO	2412	Ant1	8.37	2.22	10.59	30	PASS
11N20SISO	2437	Ant1	8.56	2.22	10.78	30	PASS
11N20SISO	2462	Ant1	8.58	2.22	10.8	30	PASS

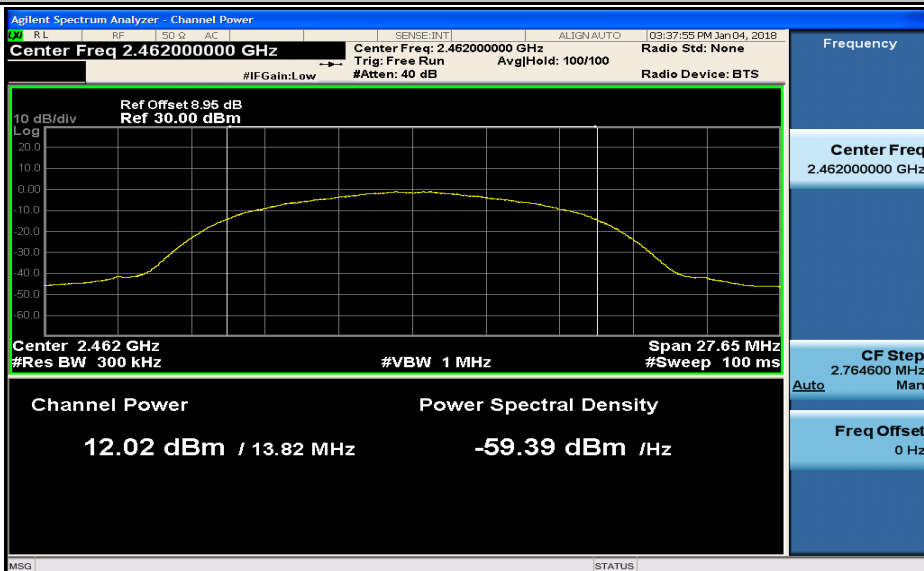
Maximum conducted (average) output power\_11B\_2412\_Ant1



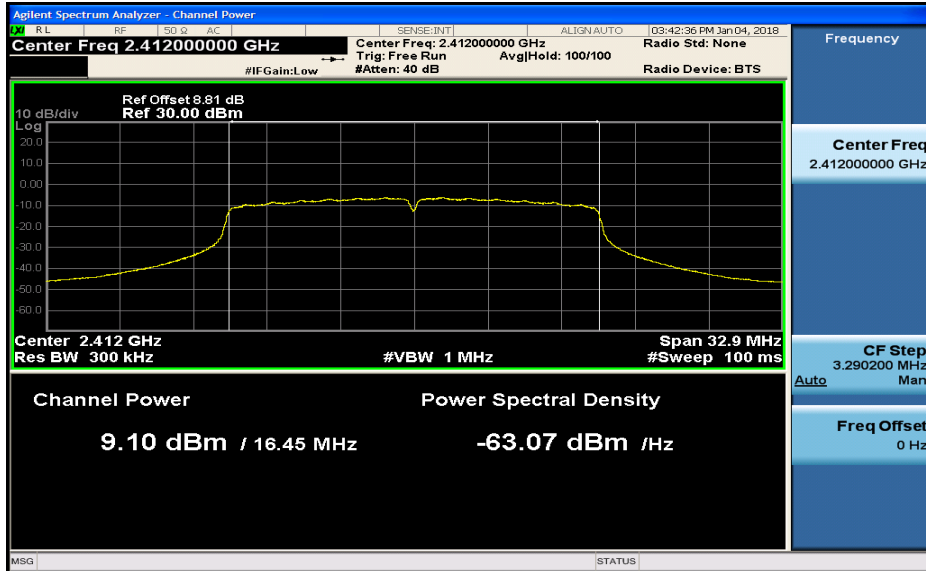
Maximum conducted (average) output power\_11B\_2437\_Ant1



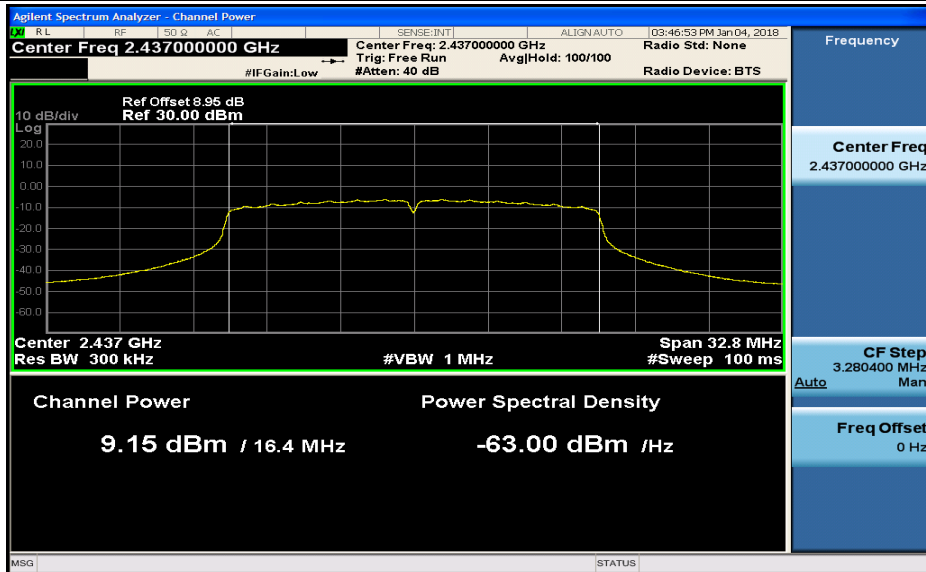
Maximum conducted (average) output power\_11B\_2462\_Ant1



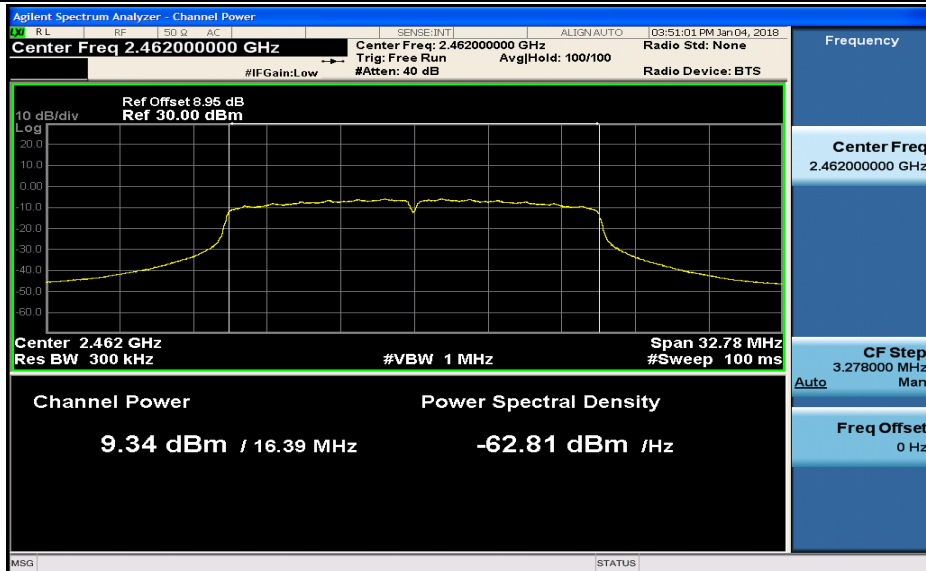
Maximum conducted (average) output power\_11G\_2412\_Ant1



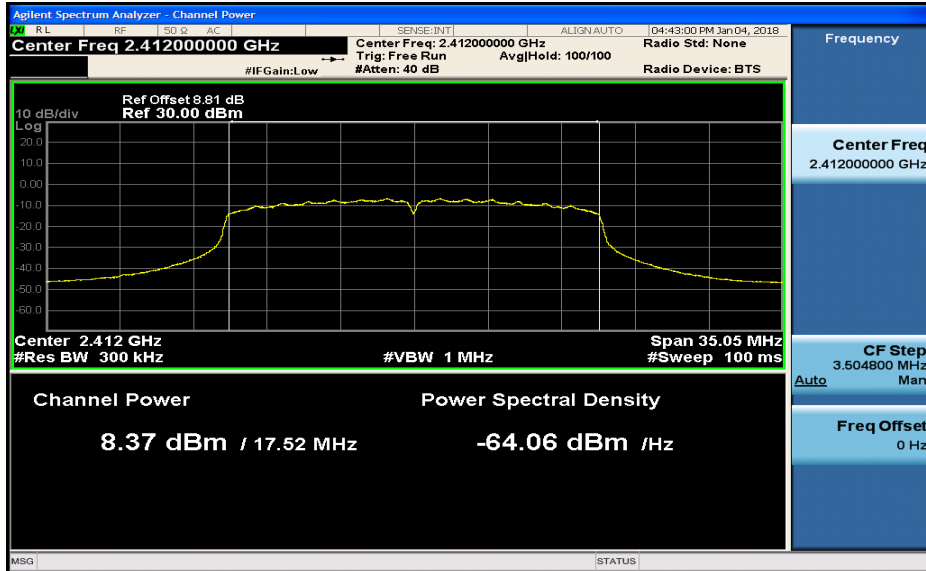
Maximum conducted (average) output power\_11G\_2437\_Ant1



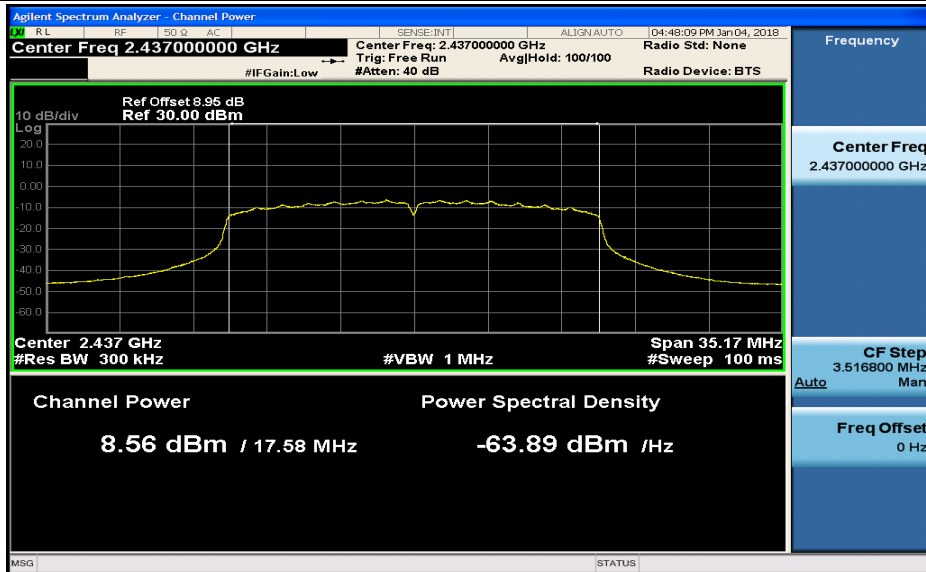
Maximum conducted (average) output power\_11G\_2462\_Ant1



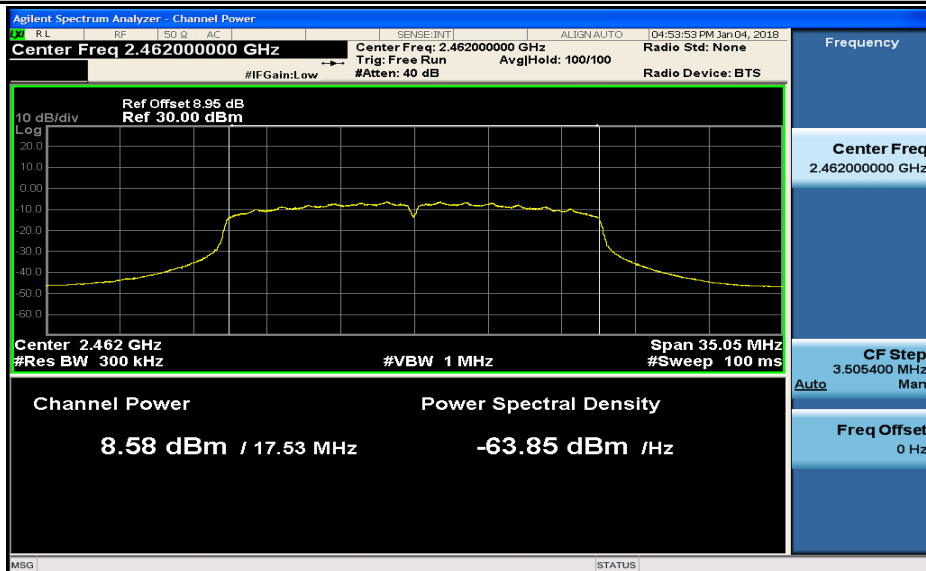
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1

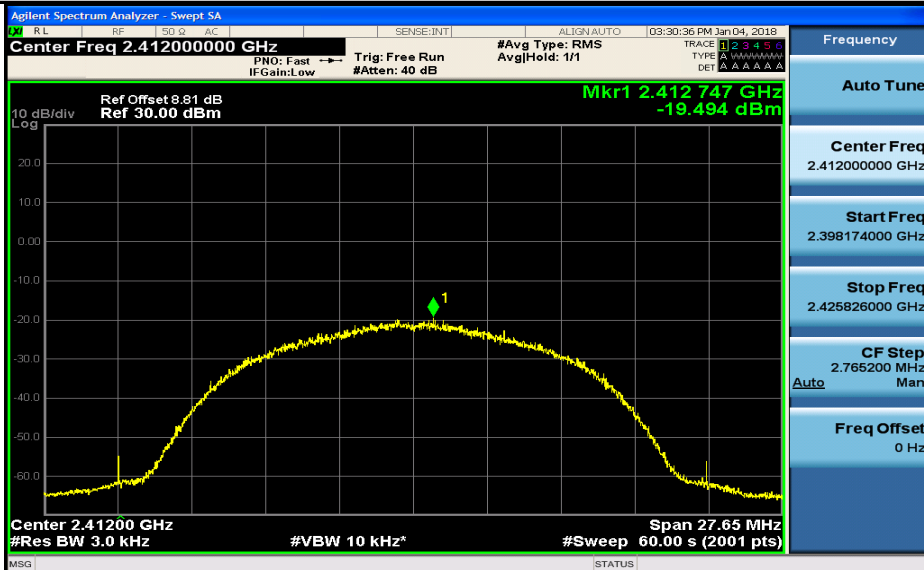




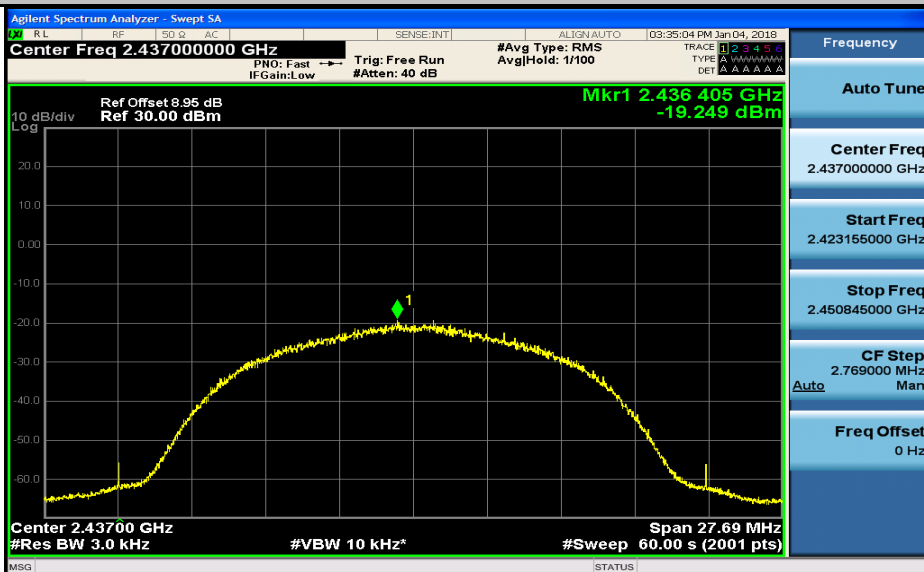
**3.Maximum(average) power spectral density**

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-19.494	0.51	-18.984	8.00	PASS
11B	2437	Ant1	-19.249	0.5	-18.749	8.00	PASS
11B	2462	Ant1	-19.747	0.49	-19.257	8.00	PASS
11G	2412	Ant1	-23.052	2.05	-21.002	8.00	PASS
11G	2437	Ant1	-22.718	2.11	-20.608	8.00	PASS
11G	2462	Ant1	-22.217	2.11	-20.107	8.00	PASS
11N20SISO	2412	Ant1	-21.349	2.22	-19.129	8.00	PASS
11N20SISO	2437	Ant1	-21.975	2.22	-19.755	8.00	PASS
11N20SISO	2462	Ant1	-20.992	2.22	-18.772	8.00	PASS

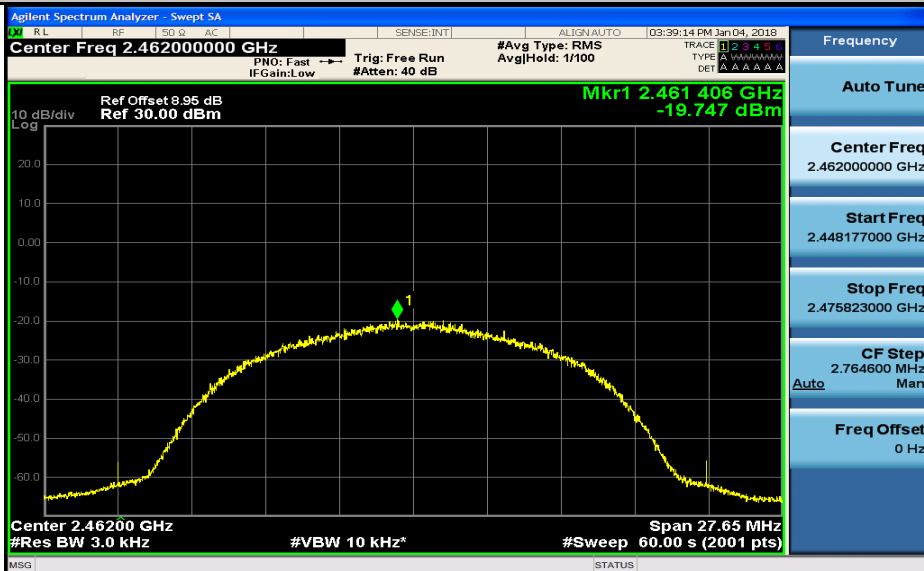
Maximum(average) power spectral density\_11B\_2412\_Ant1



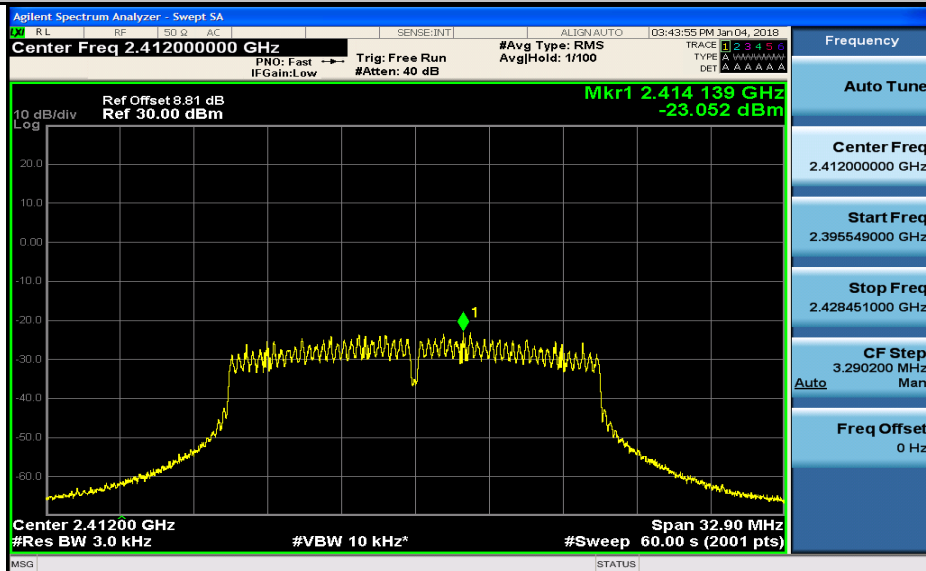
Maximum(average) power spectral density\_11B\_2437\_Ant1



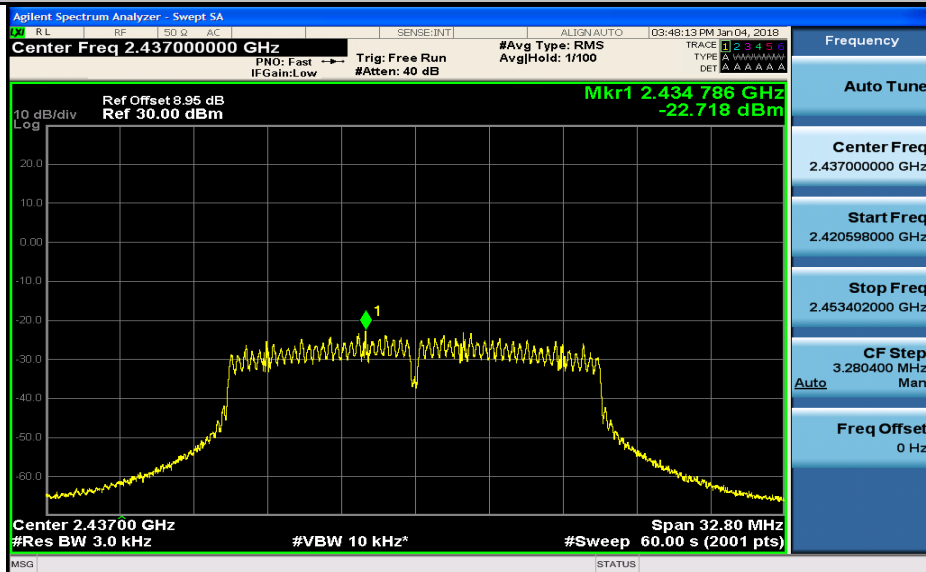
Maximum(average) power spectral density\_11B\_2462\_Ant1



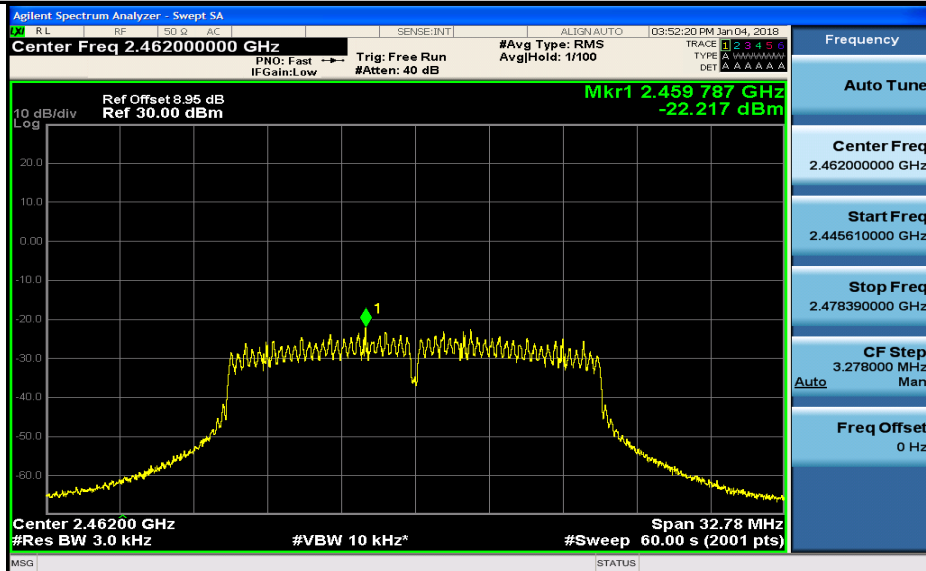
Maximum(average) power spectral density\_11G\_2412\_Ant1



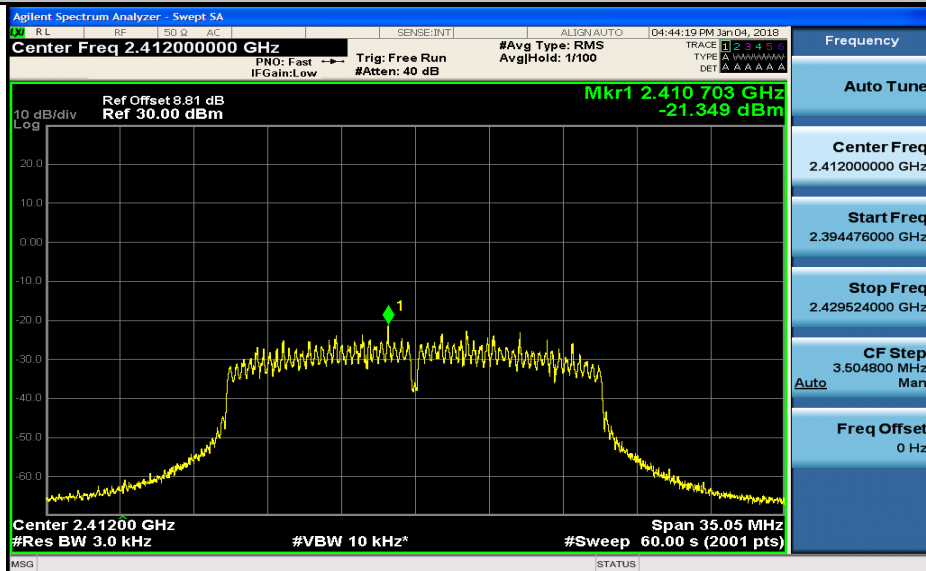
Maximum(average) power spectral density\_11G\_2437\_Ant1



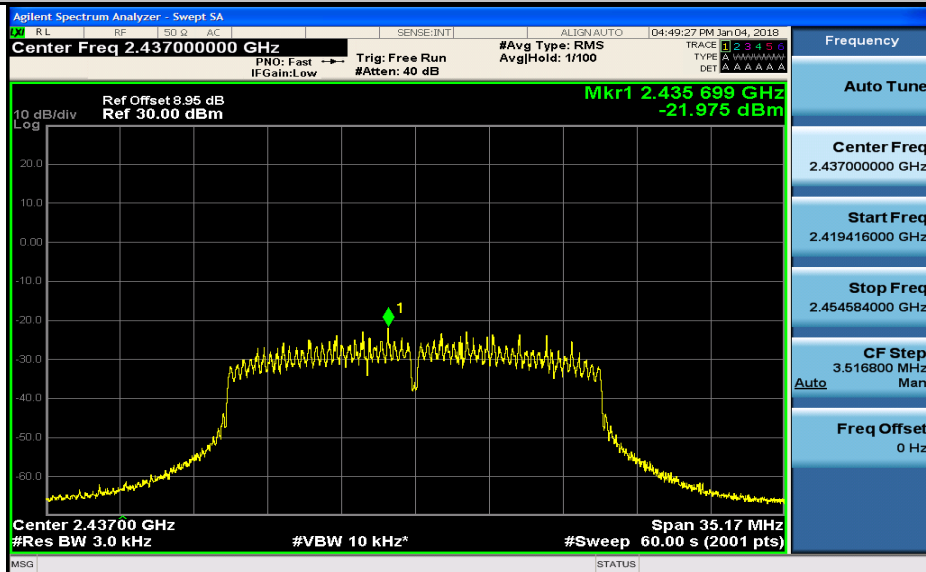
Maximum(average) power spectral density\_11G\_2462\_Ant1



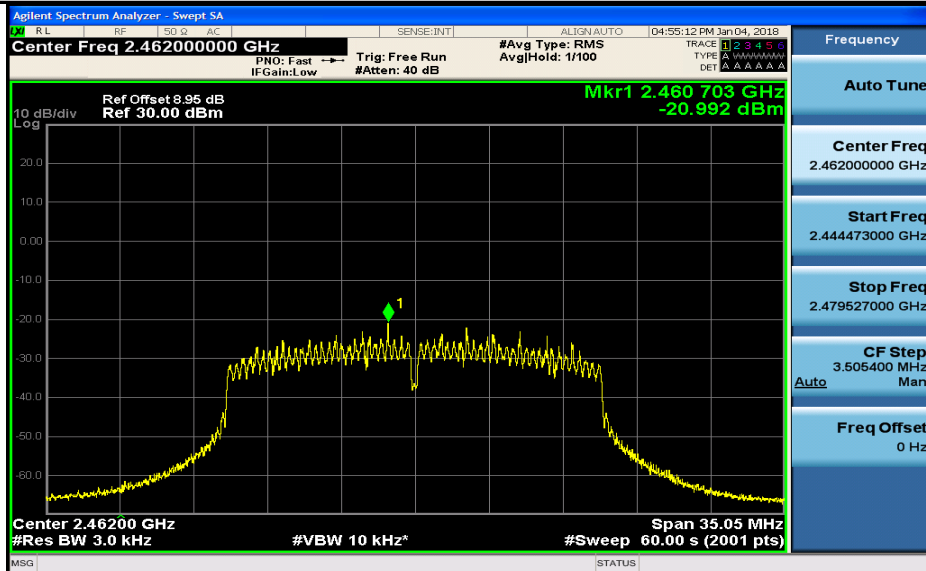
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



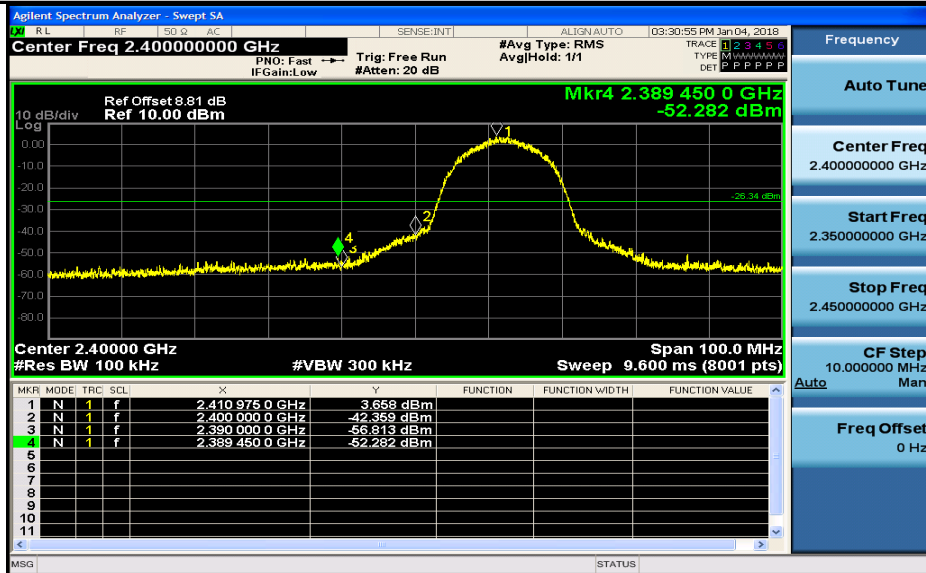
Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



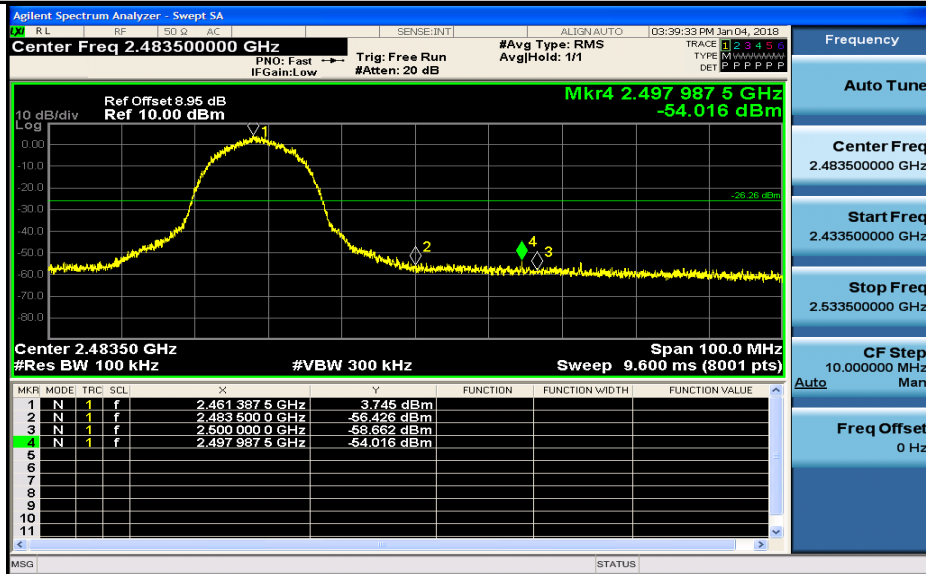
**4.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	3.658	-52.282	-26.34	PASS
11B	2462	Ant1	3.745	-54.016	-26.26	PASS
11G	2412	Ant1	0.968	-49.788	-29.03	PASS
11G	2462	Ant1	1.238	-51.554	-28.76	PASS
11N20SISO	2412	Ant1	0.873	-35.785	-29.13	PASS
11N20SISO	2462	Ant1	0.738	-51.614	-29.26	PASS

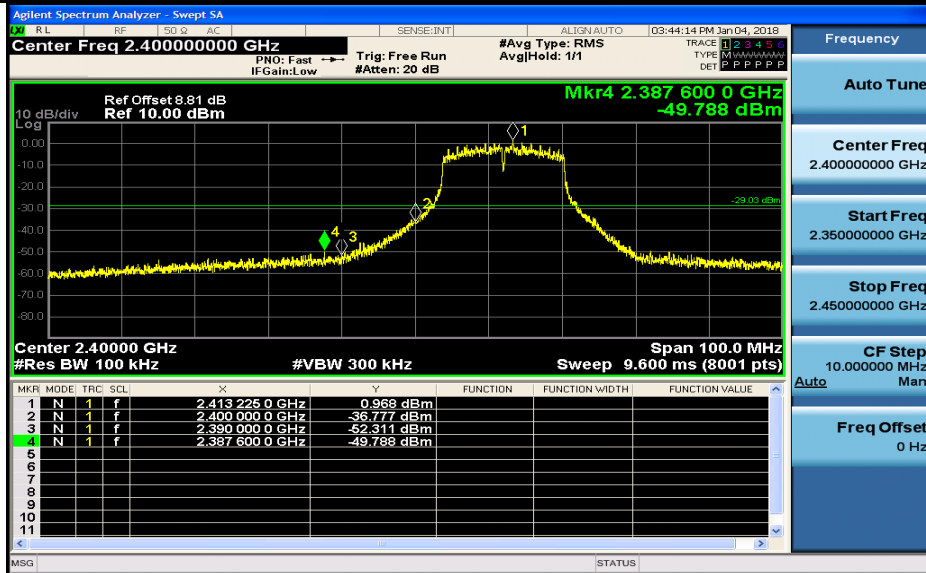
Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



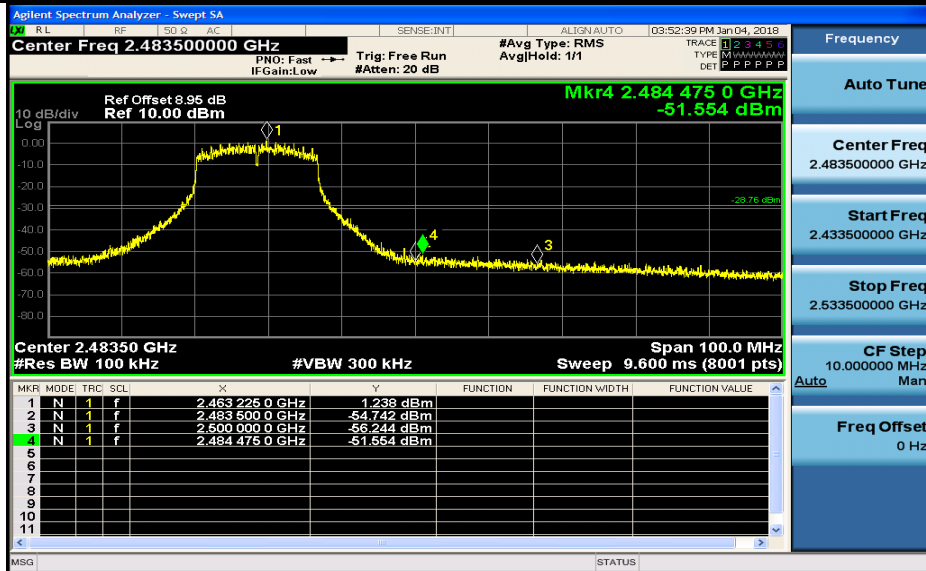
Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



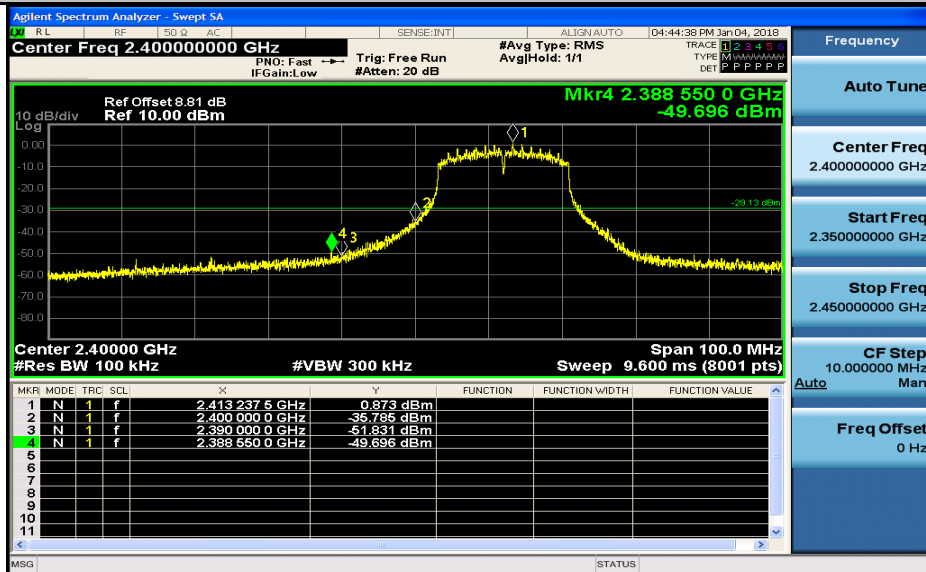
Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



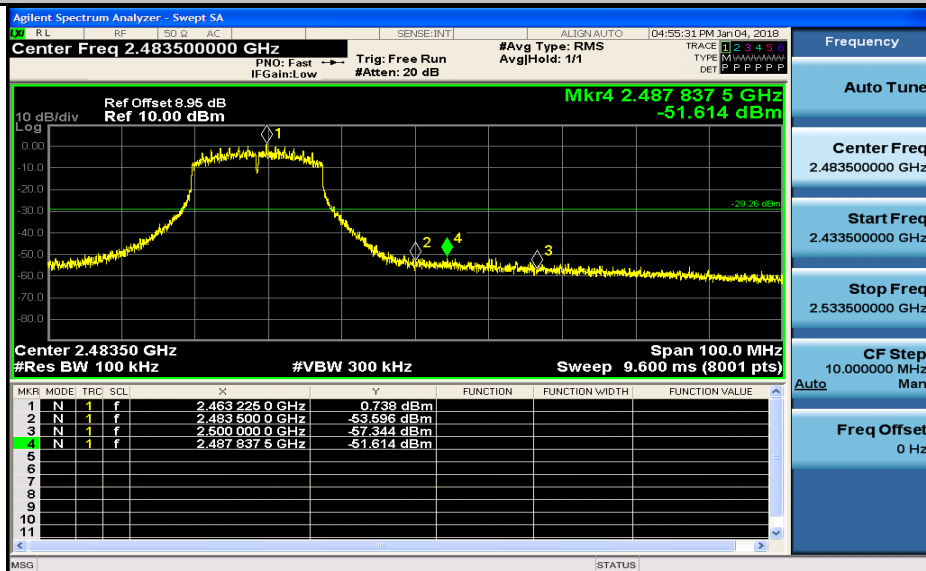
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



**5.RF Conducted Spurious Emissions**

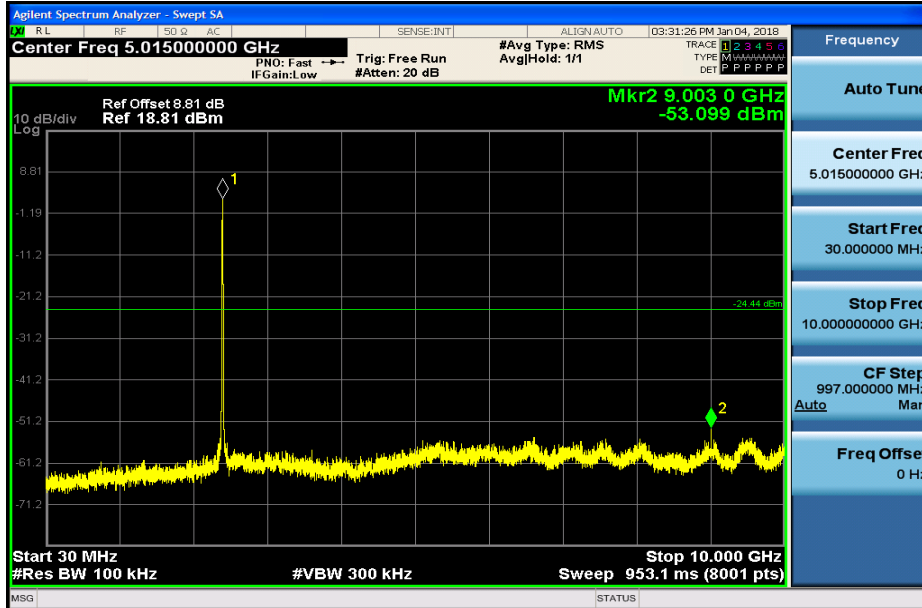
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	5.558	-53.099	<- 24.442	PASS
11B	2412	Ant1	10000	26000	100	300	5.558	-44.183	<- 24.442	PASS
11B	2437	Ant1	30	10000	100	300	3.656	-54.226	<- 26.344	PASS
11B	2437	Ant1	10000	26000	100	300	3.656	-43.993	<- 26.344	PASS
11B	2462	Ant1	30	10000	100	300	4.446	-53.747	<- 25.554	PASS
11B	2462	Ant1	10000	26000	100	300	4.446	-44.621	<- 25.554	PASS
11G	2412	Ant1	30	10000	100	300	0.909	-52.909	<- 29.091	PASS
11G	2412	Ant1	10000	26000	100	300	0.909	-44.436	<- 29.091	PASS
11G	2437	Ant1	30	10000	100	300	1.137	-53.263	<- 28.863	PASS
11G	2437	Ant1	10000	26000	100	300	1.137	-44.948	<- 28.863	PASS
11G	2462	Ant1	30	10000	100	300	1.25	-53.824	<- 28.75	PASS
11G	2462	Ant1	10000	26000	100	300	1.25	-44.806	<- 28.75	PASS
11N20SISO	2412	Ant1	30	10000	100	300	0.695	-54.396	<- 29.305	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	0.695	-44.623	<- 29.305	PASS
11N20SISO	2437	Ant1	30	10000	100	300	0.767	-53.877	<- 29.233	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	0.767	-45.233	<- 29.233	PASS
11N20SISO	2462	Ant1	30	10000	100	300	0.763	-54.223	<- 29.237	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	0.763	-44.769	<- 29.237	PASS



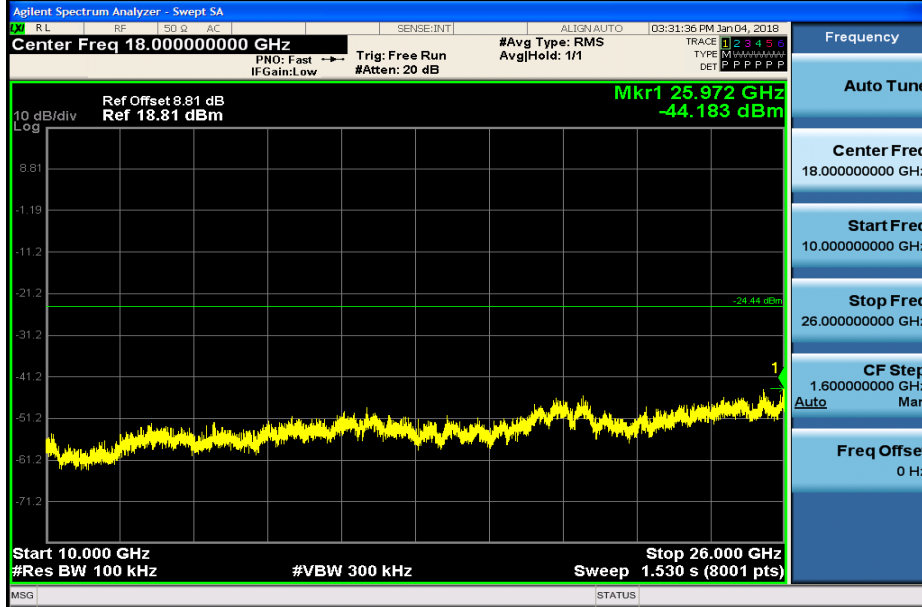
RF Conducted Spurious Emissions\_11B\_2412



Frequency
Auto Tune
Center Freq 2.41200000 GHz
Start Freq 2.392000000 GHz
Stop Freq 2.432000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

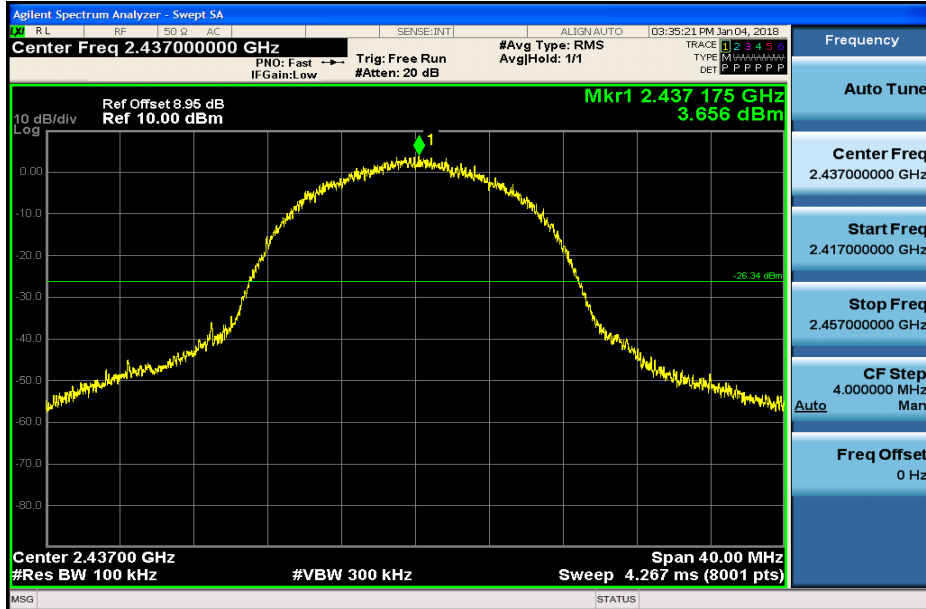


Frequency
Auto Tune
Center Freq 5.01500000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

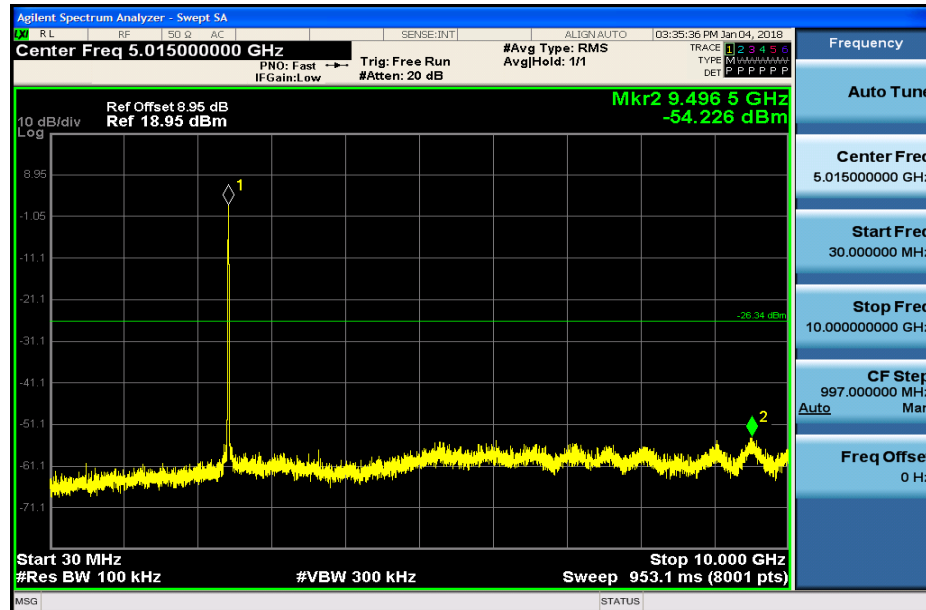


Frequency
Auto Tune
Center Freq 18.00000000 GHz
Start Freq 10.000000000 GHz
Stop Freq 26.000000000 GHz
CF Step 1.600000000 GHz Auto Man
Freq Offset 0 Hz

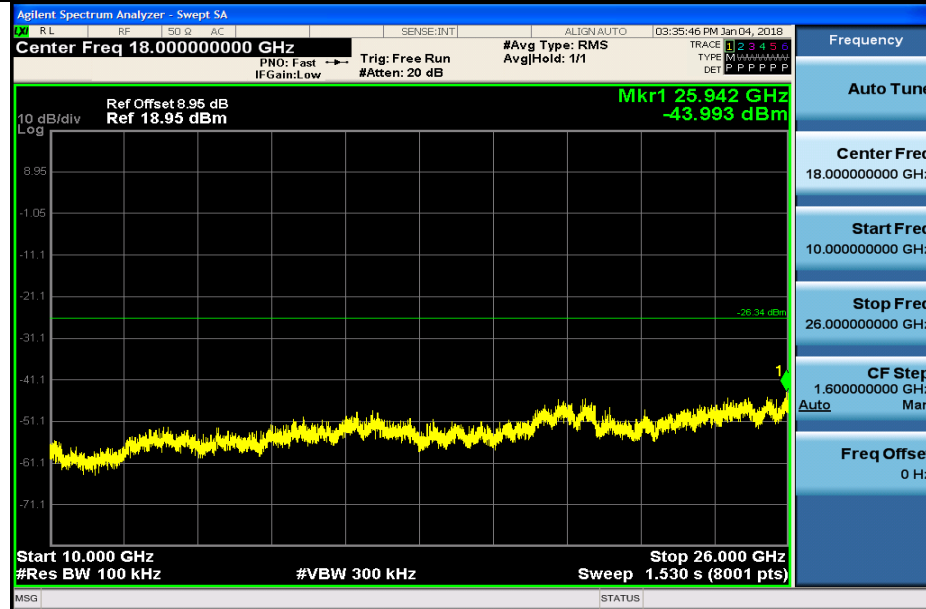
RF Conducted Spurious Emissions\_11B\_2437



Frequency
Auto Tune
Center Freq 2.437000000 GHz
Start Freq 2.417000000 GHz
Stop Freq 2.457000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

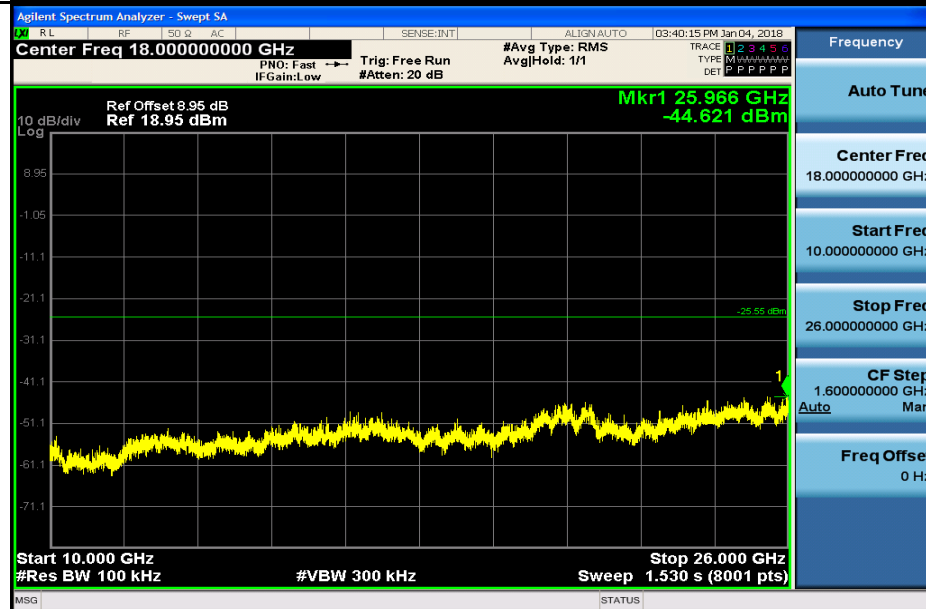
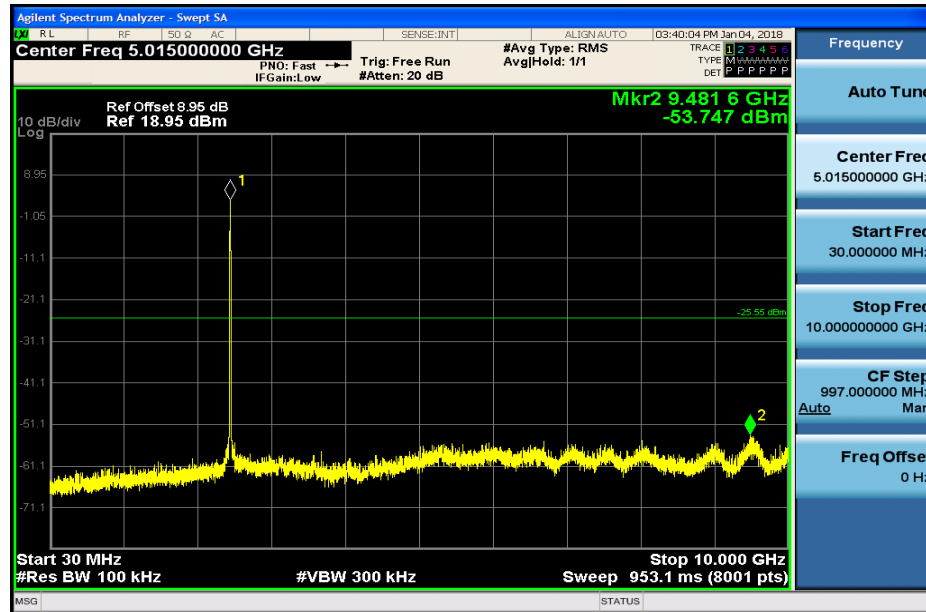
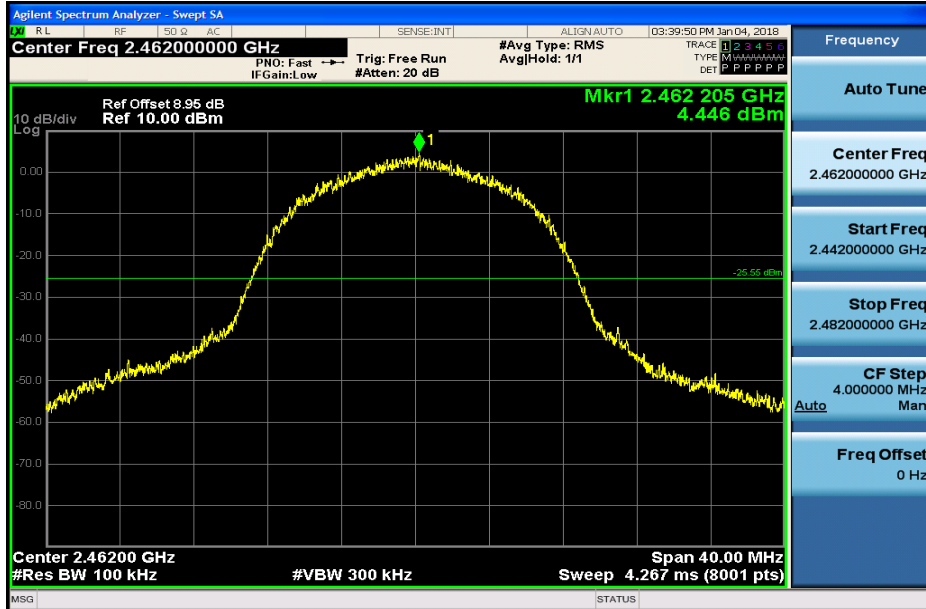


Frequency
Auto Tune
Center Freq 5.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

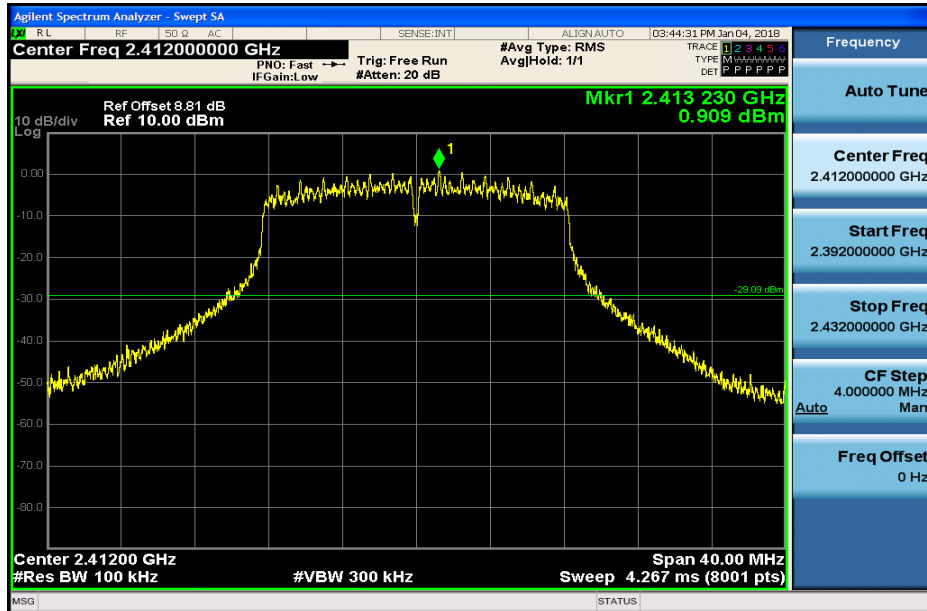


Frequency
Auto Tune
Center Freq 18.000000000 GHz
Start Freq 10.000000000 GHz
Stop Freq 26.000000000 GHz
CF Step 1.600000000 GHz Auto Man
Freq Offset 0 Hz

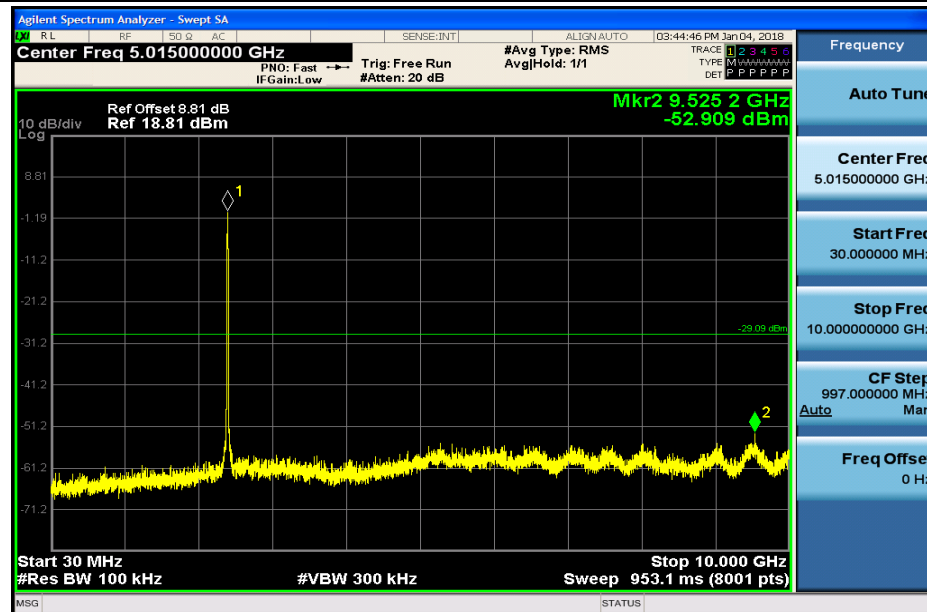
RF Conducted Spurious Emissions\_11B\_2462



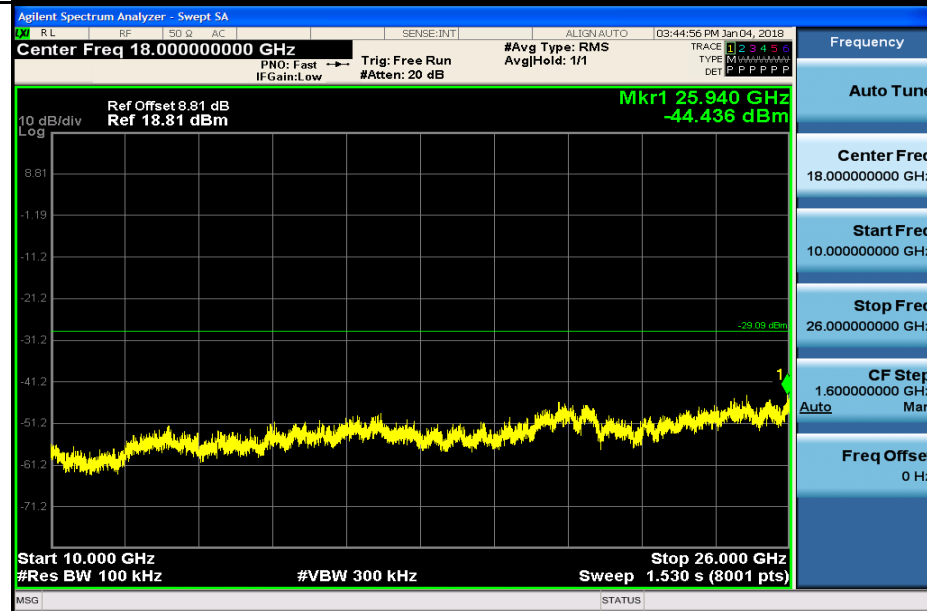
RF Conducted Spurious Emissions\_11G\_2412



Frequency
Auto Tune
Center Freq 2.412000000 GHz
Start Freq 2.392000000 GHz
Stop Freq 2.432000000 GHz
CF Step 4.000000 MHz Auto Man
Freq Offset 0 Hz

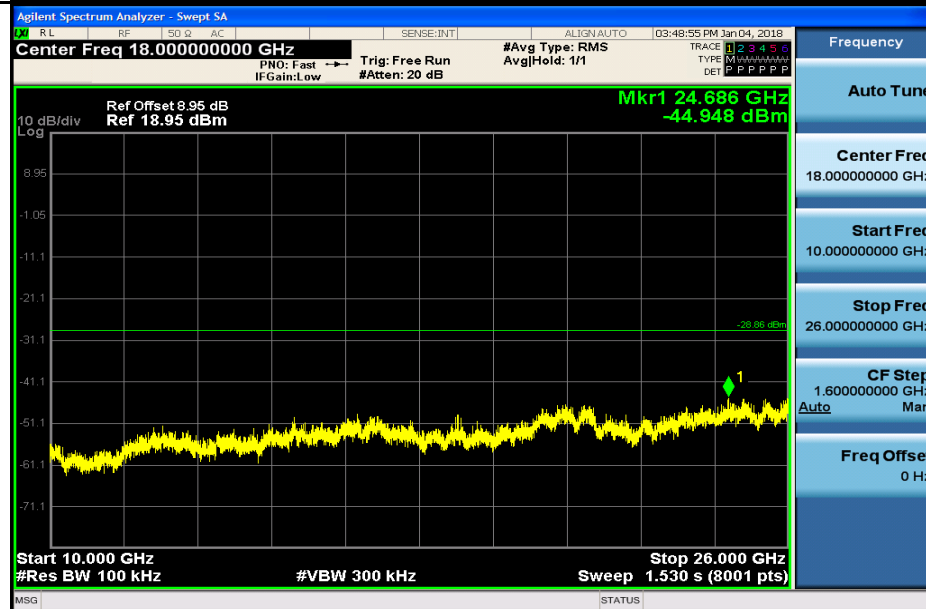
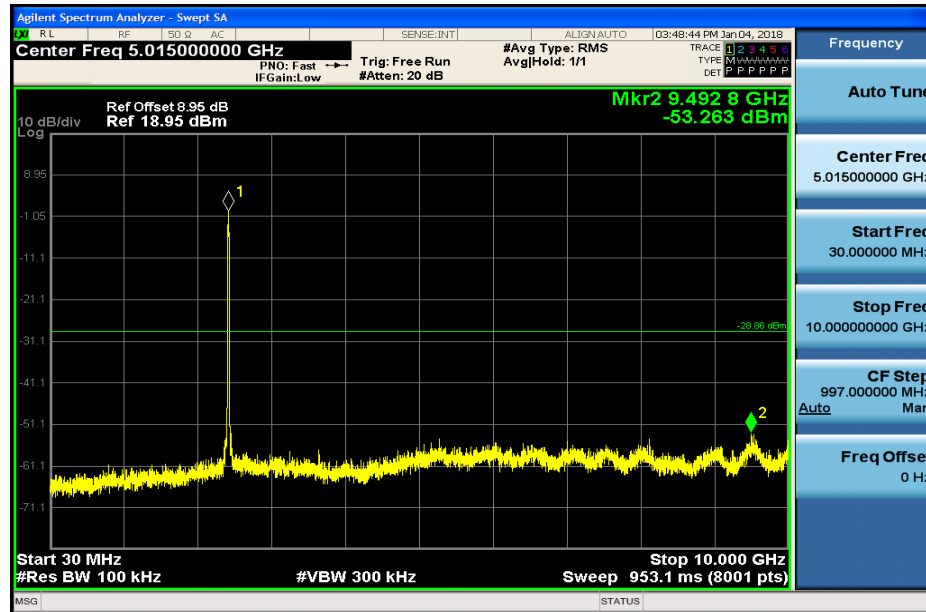
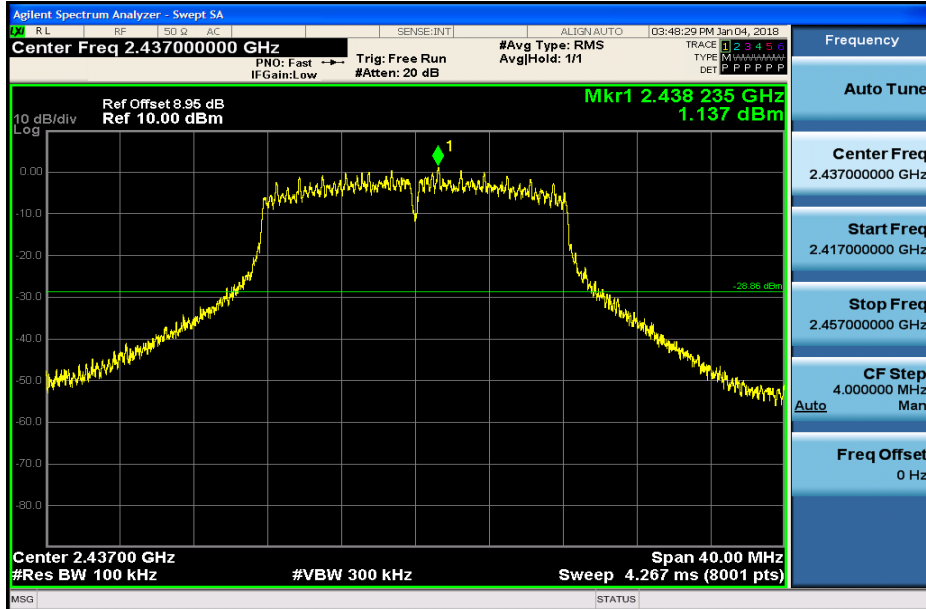


Frequency
Auto Tune
Center Freq 5.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 10.000000000 GHz
CF Step 997.000000 MHz Auto Man
Freq Offset 0 Hz

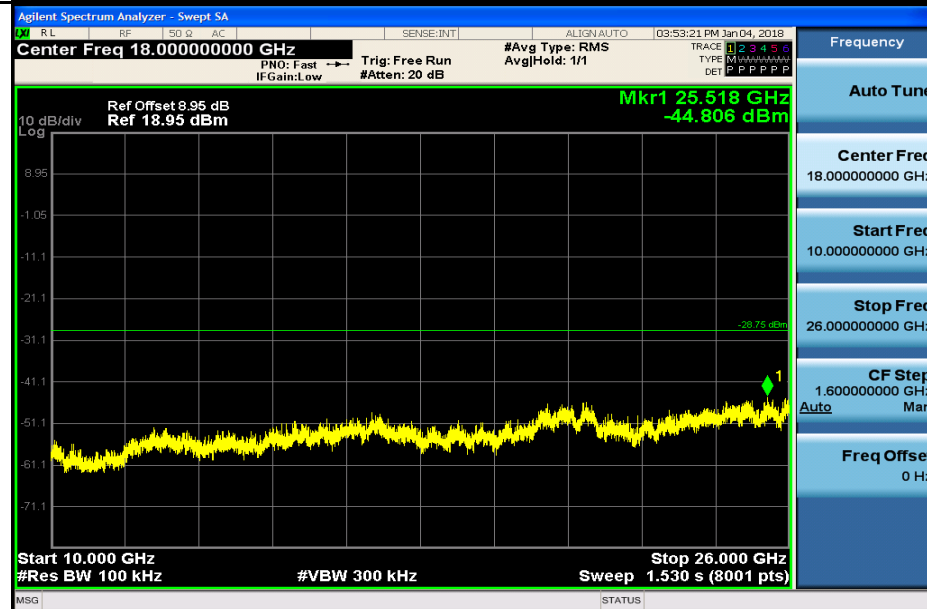
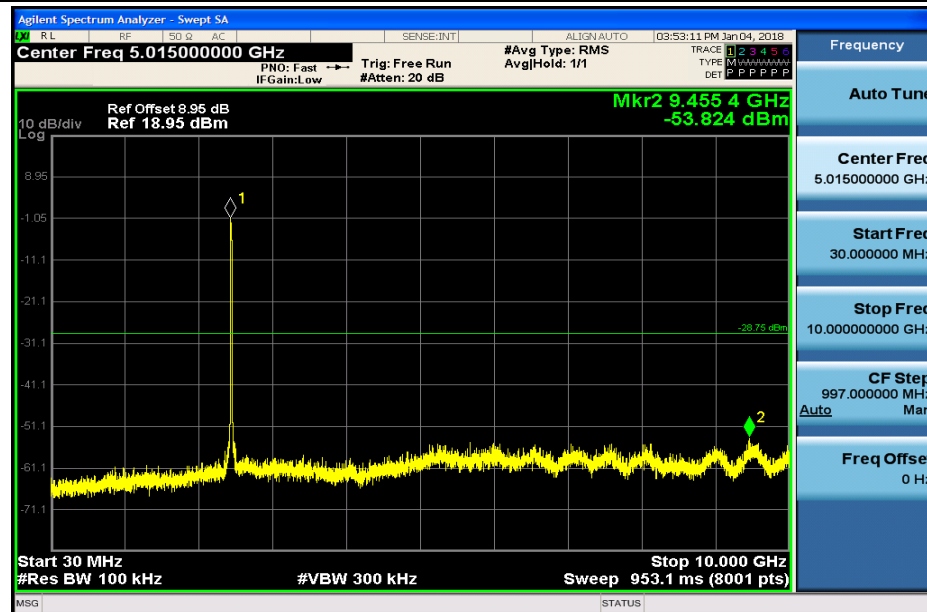
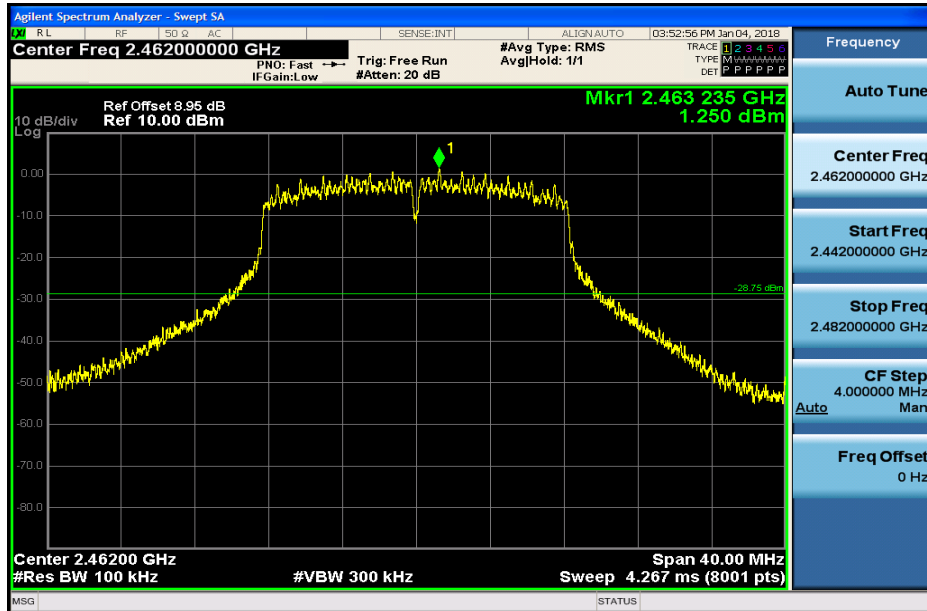


Frequency
Auto Tune
Center Freq 18.000000000 GHz
Start Freq 10.000000000 GHz
Stop Freq 26.000000000 GHz
CF Step 1.600000000 GHz Auto Man
Freq Offset 0 Hz

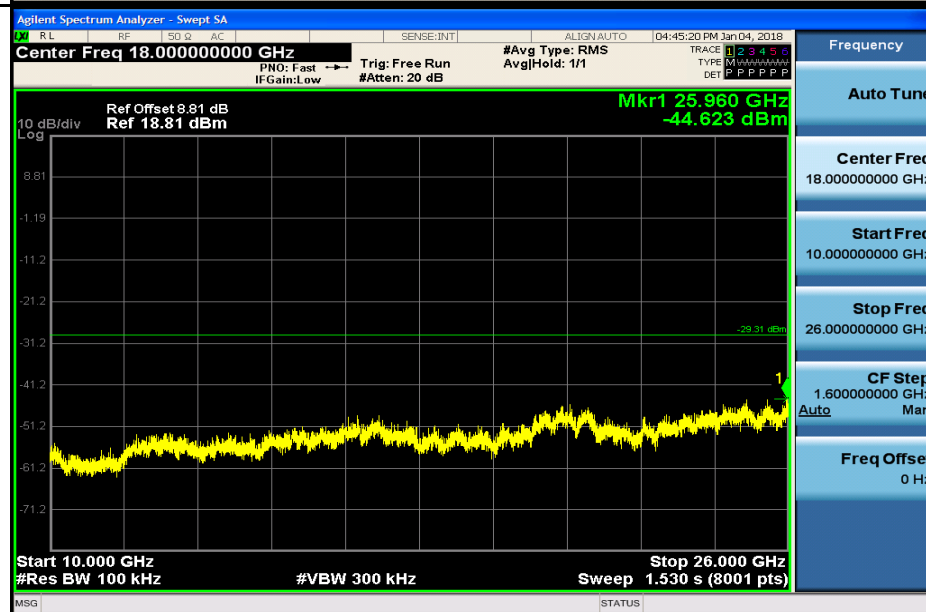
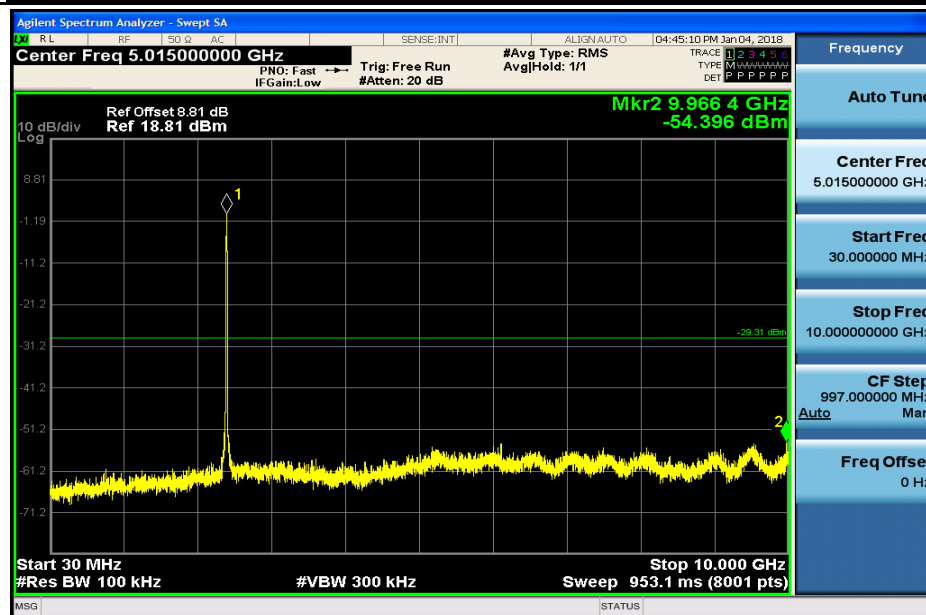
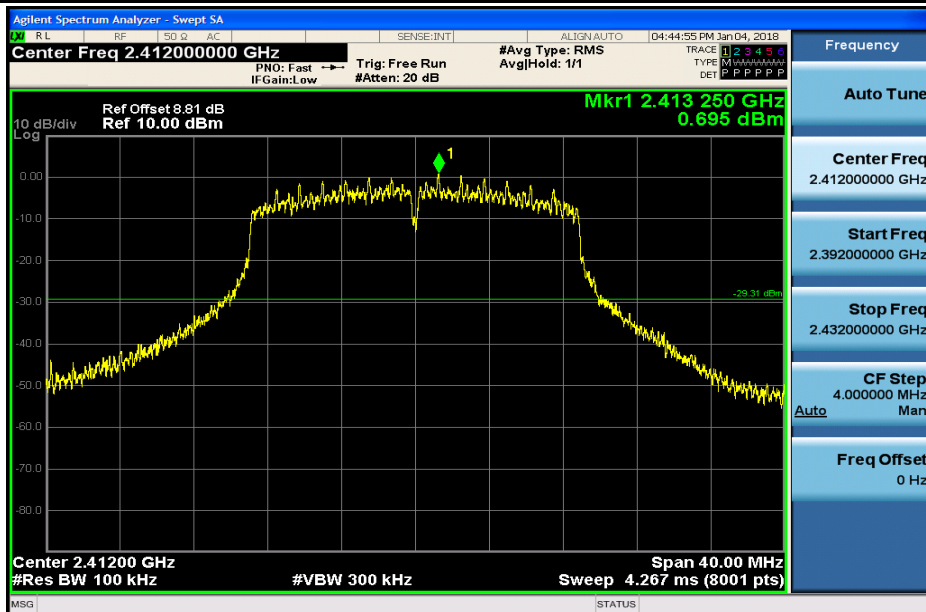
RF Conducted Spurious Emissions\_11G\_2437



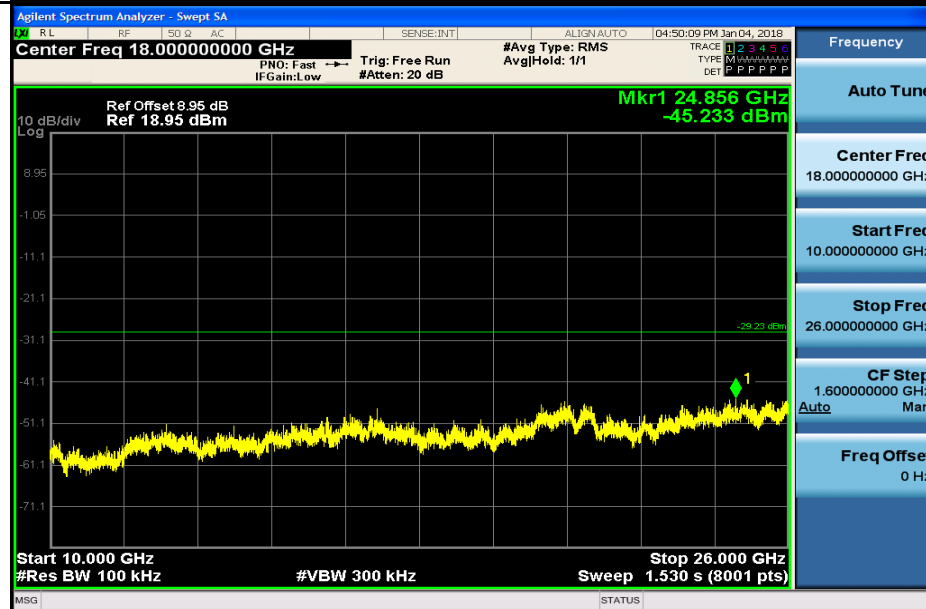
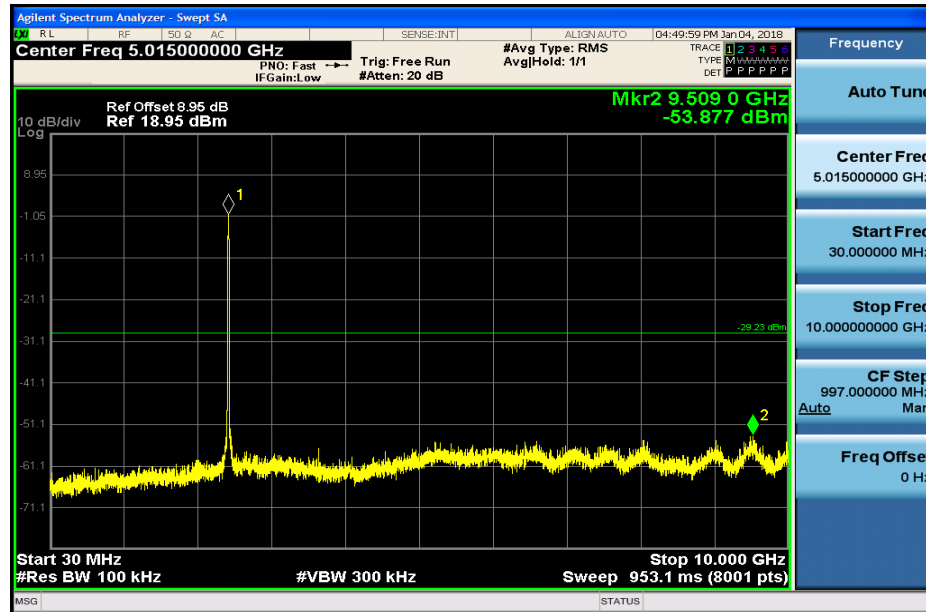
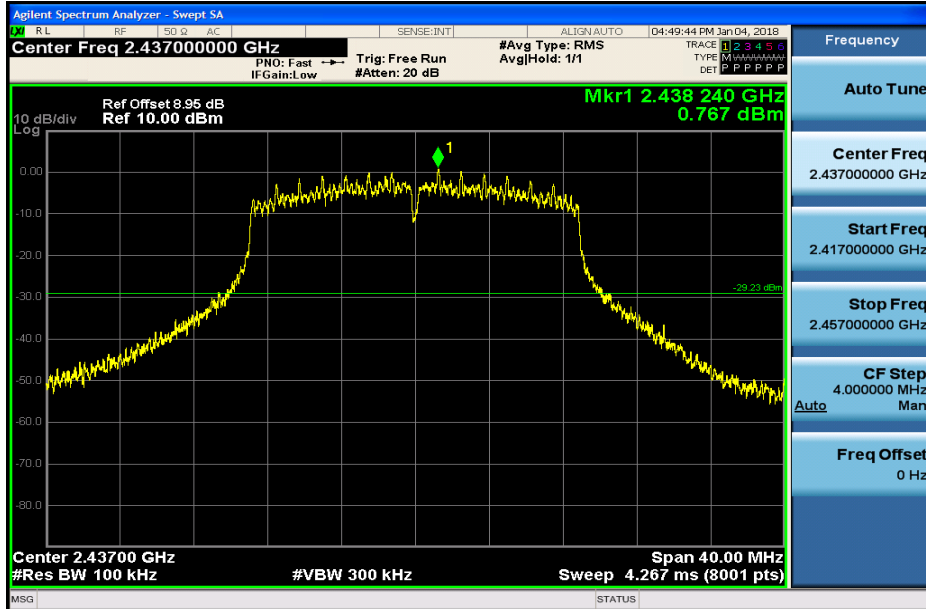
RF Conducted Spurious Emissions\_11G\_2462



RF Conducted Spurious Emissions\_11N20SISO\_2412

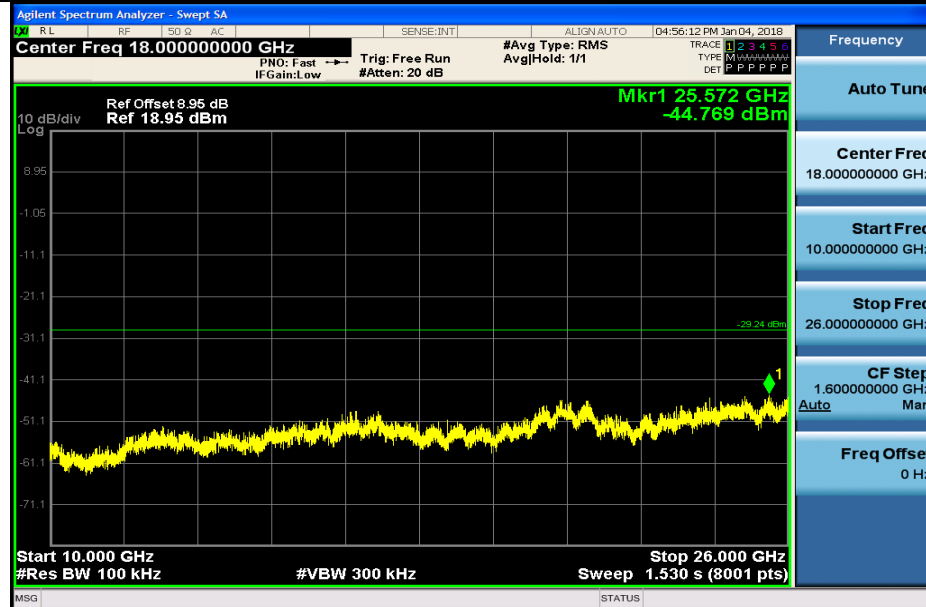
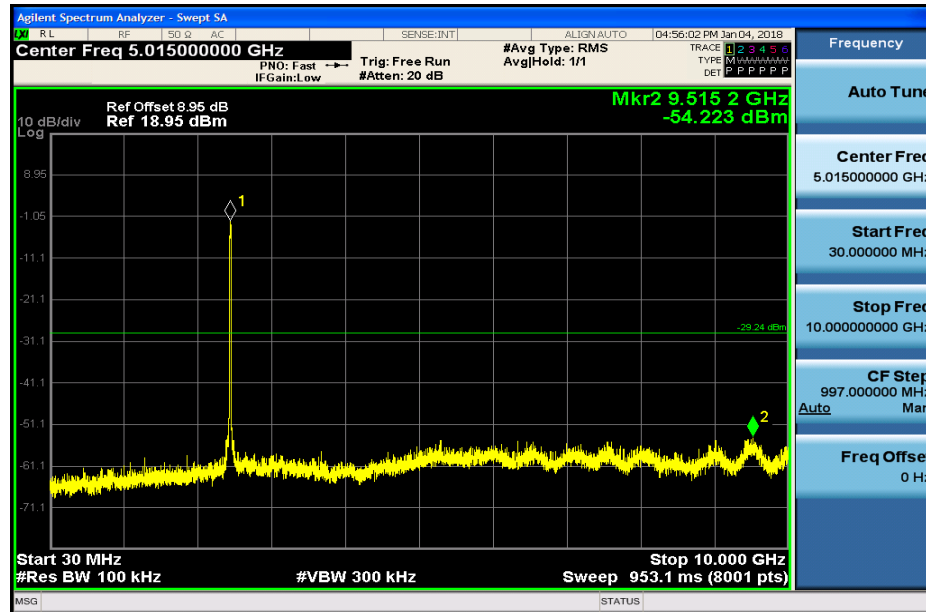
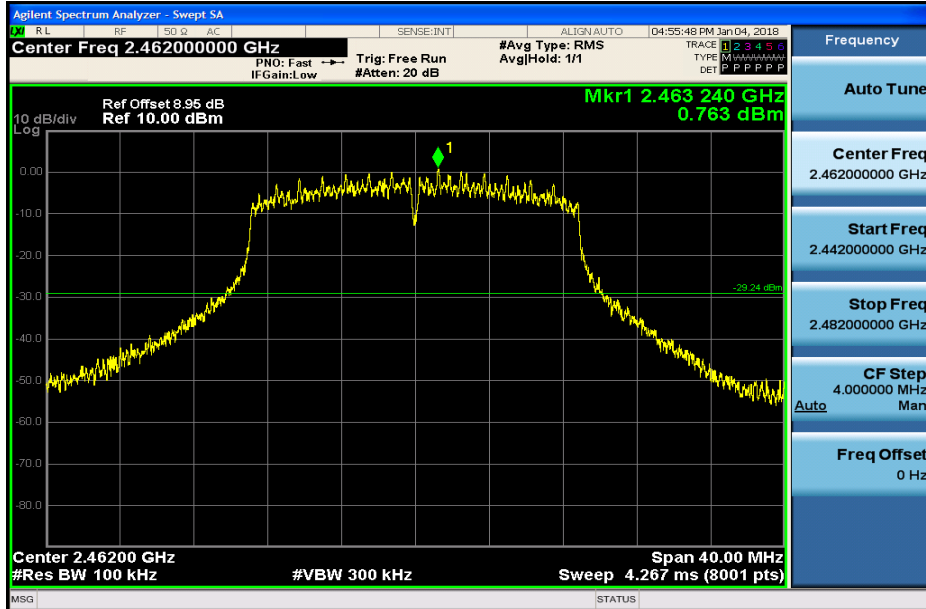


RF Conducted Spurious Emissions\_11N20SISO\_2437





RF Conducted Spurious Emissions\_11N20SISO\_2462

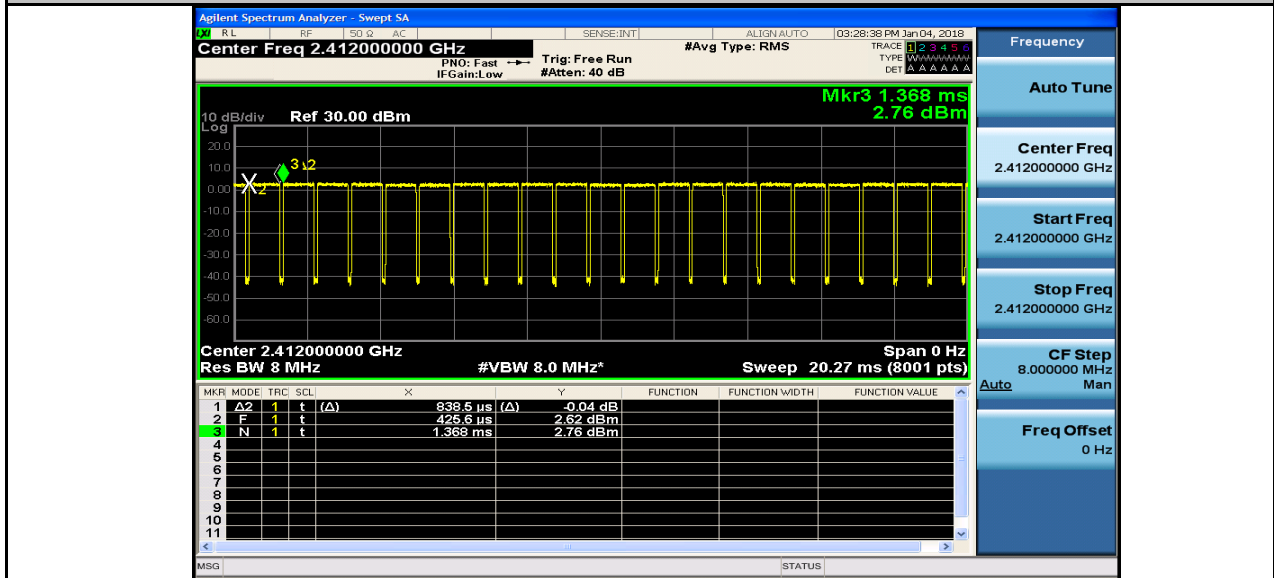




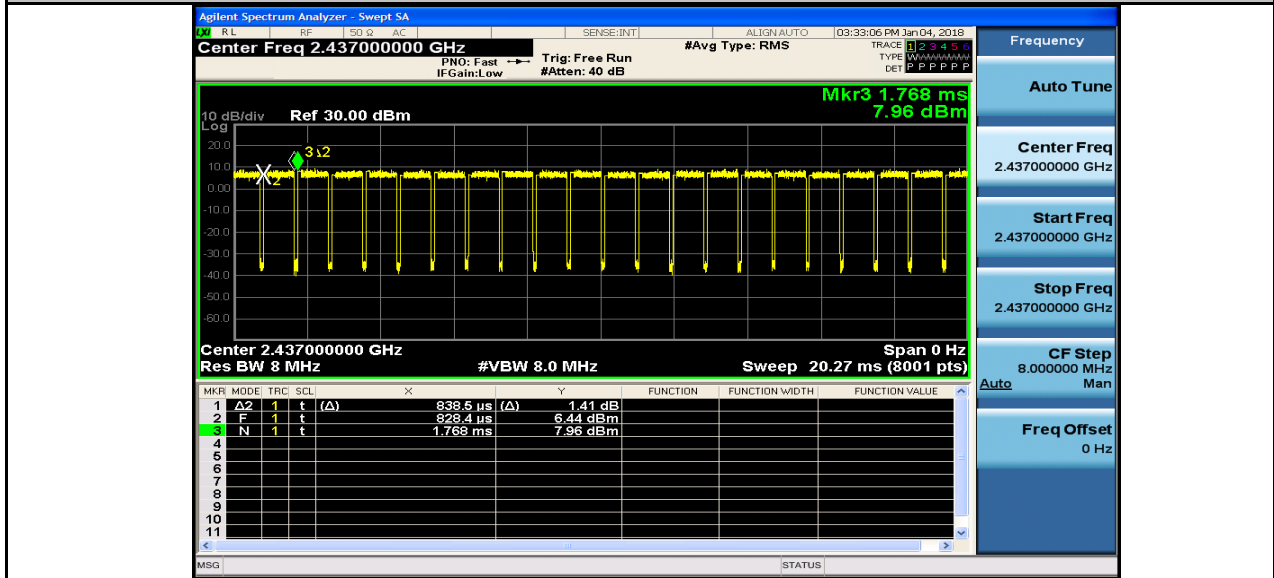
**6.Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	88.98	0.507075985879744
11B	2437	Ant1	89.22	0.495377810944021
11B	2462	Ant1	89.25	0.493917752157692
11G	2412	Ant1	62.39	2.04885014369637
11G	2437	Ant1	61.47	2.11336786879143
11G	2462	Ant1	61.47	2.11336786879143
11N20SISO	2412	Ant1	60	2.21848749616356
11N20SISO	2437	Ant1	60	2.21848749616356
11N20SISO	2462	Ant1	60	2.21848749616356

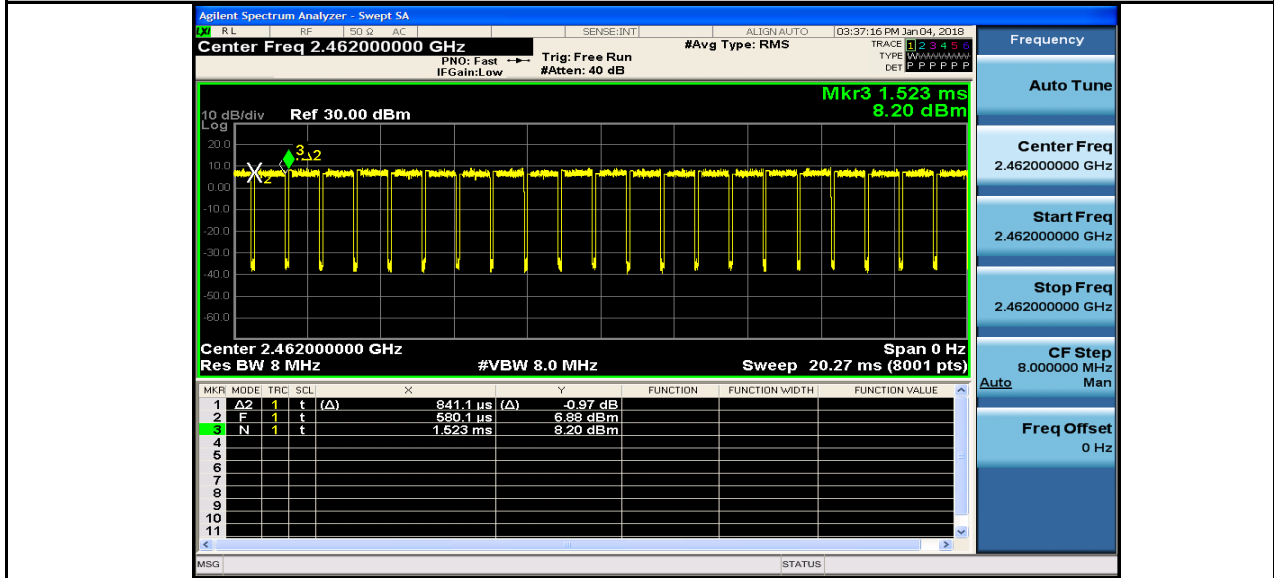
Duty Cycle\_11B\_2412\_Ant1



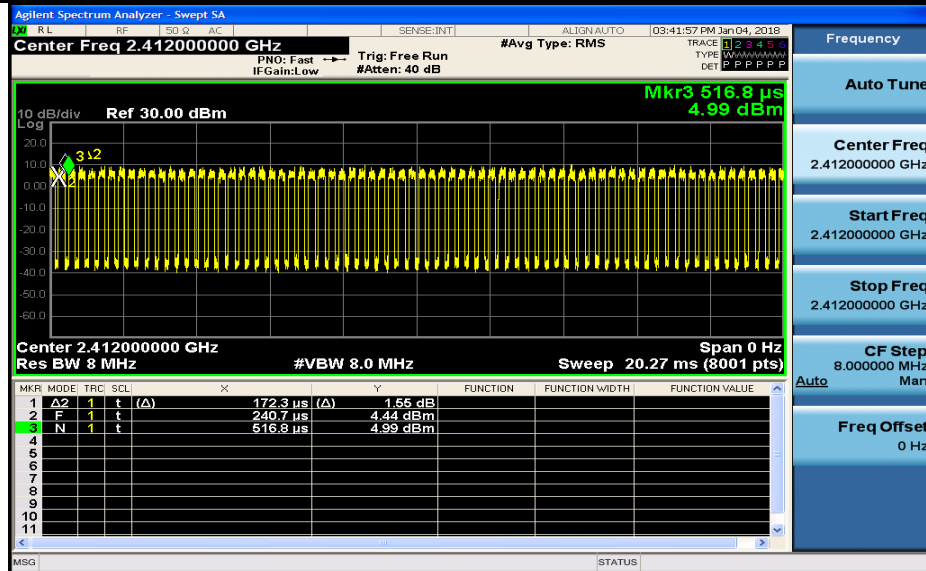
Duty Cycle\_11B\_2437\_Ant1



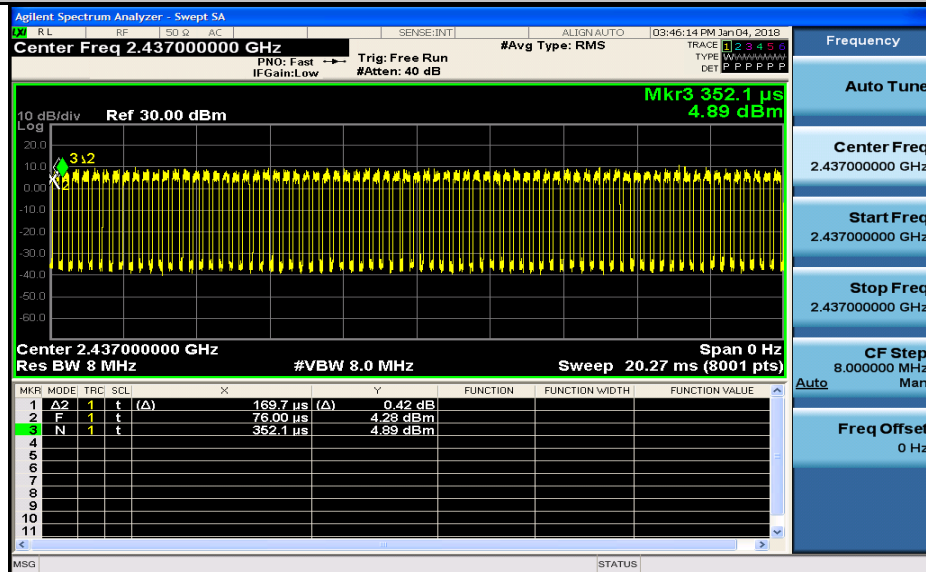
Duty Cycle\_11B\_2462\_Ant1



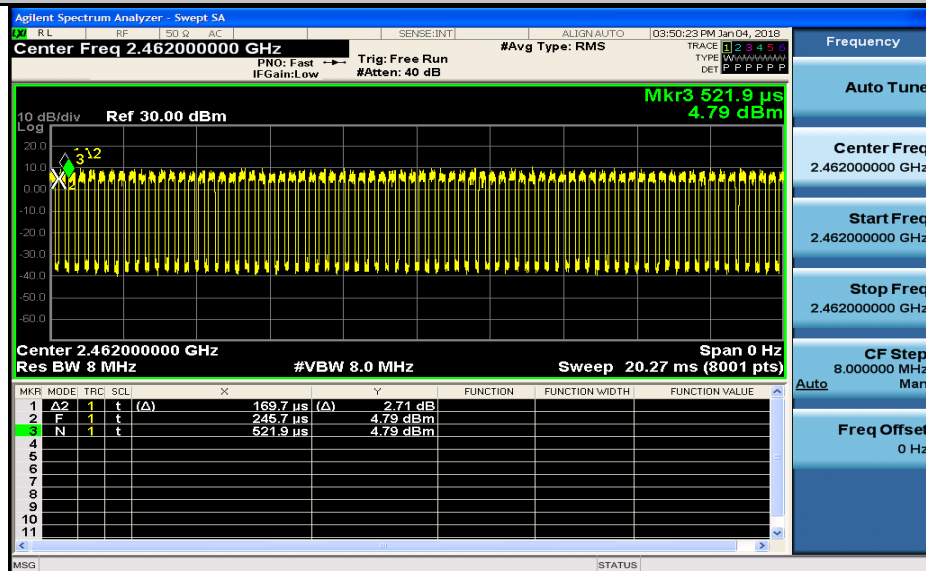
Duty Cycle\_11G\_2412\_Ant1



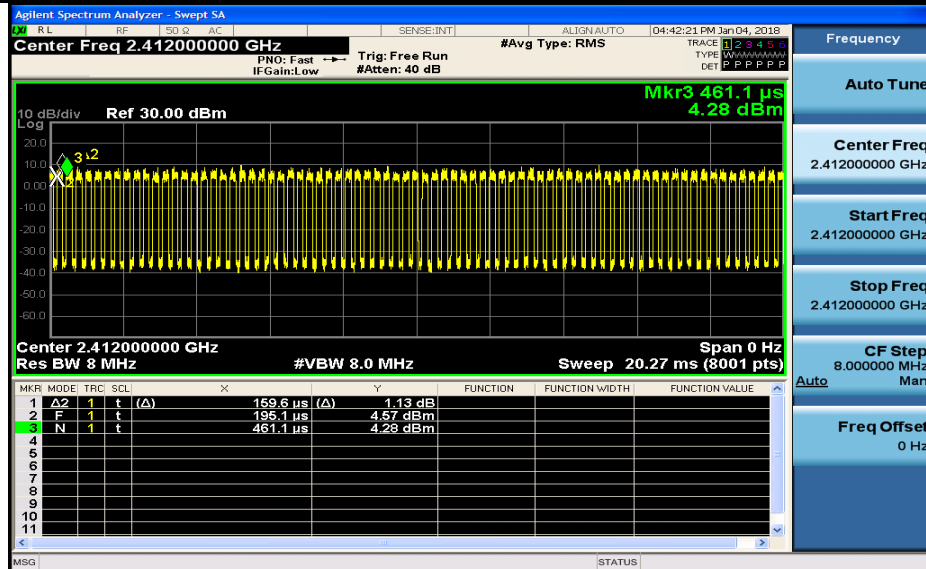
Duty Cycle\_11G\_2437\_Ant1



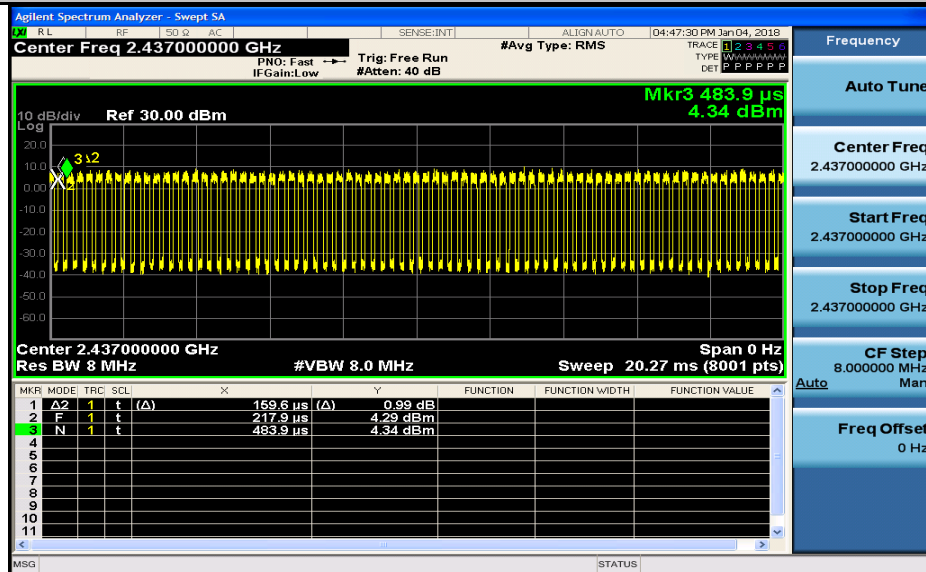
Duty Cycle\_11G\_2462\_Ant1



Duty Cycle\_11N20SISO\_2412\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N20SISO\_2462\_Ant1

