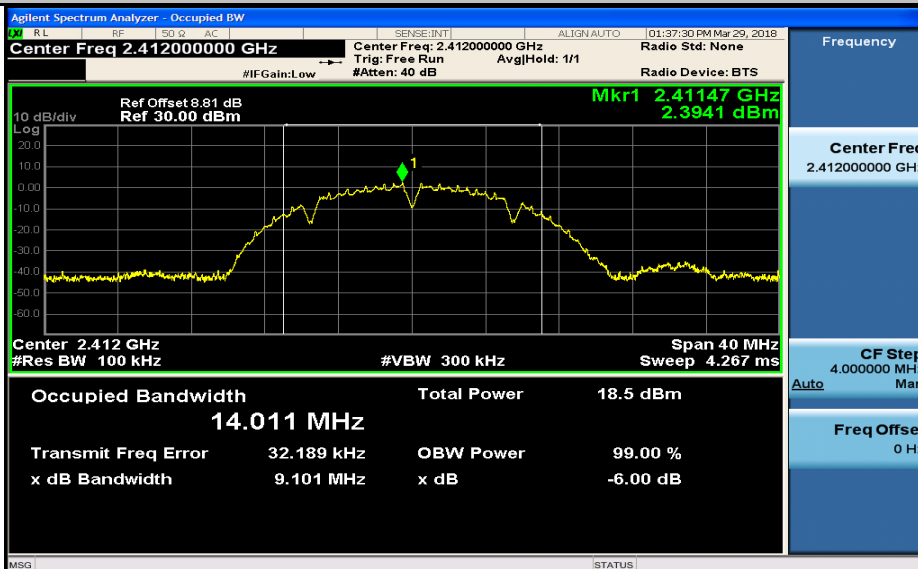


**Appendix A for SHEM180100090103**

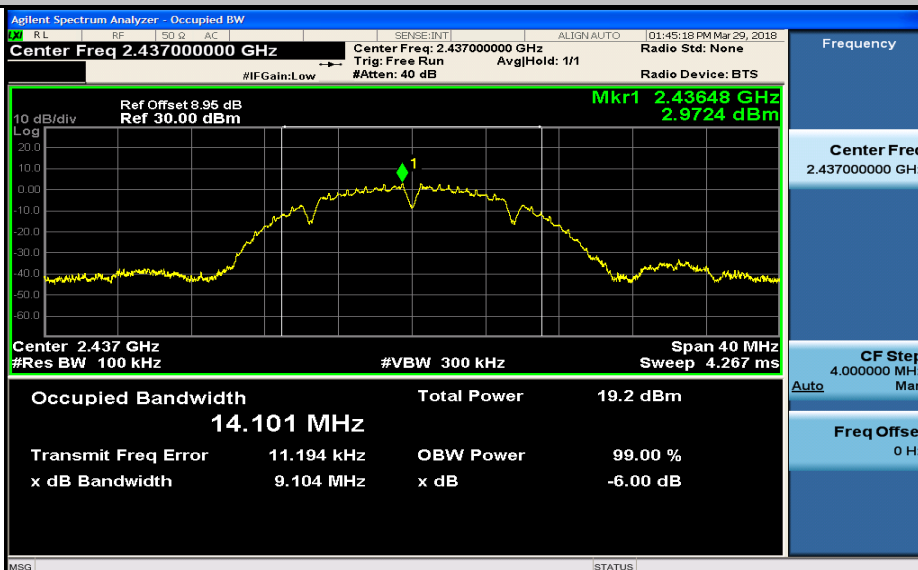
**1.6dB Bandwidth**

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	9.10	0.5	PASS
11B	2437	Ant1	9.10	0.5	PASS
11B	2462	Ant1	9.11	0.5	PASS
11G	2412	Ant1	15.02	0.5	PASS
11G	2437	Ant1	15.06	0.5	PASS
11G	2462	Ant1	15.00	0.5	PASS
11N20SISO	2412	Ant1	15.11	0.5	PASS
11N20SISO	2437	Ant1	15.07	0.5	PASS
11N20SISO	2462	Ant1	15.07	0.5	PASS

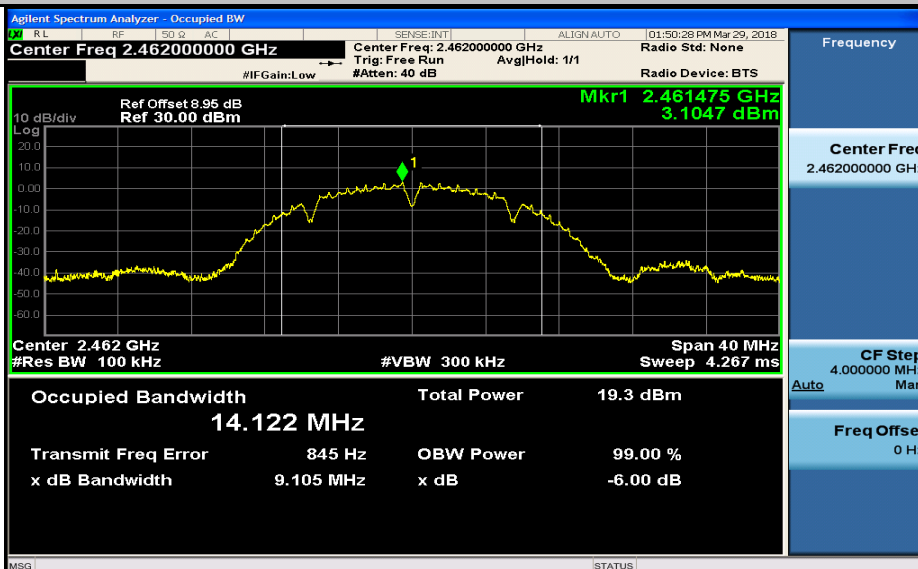
## 6dB Bandwidth\_11B\_2412\_Ant1



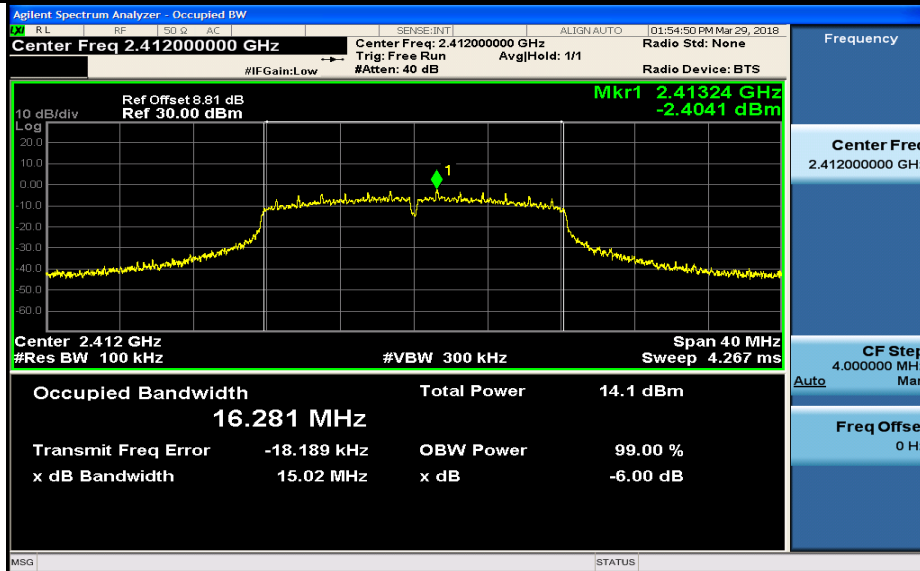
## 6dB Bandwidth\_11B\_2437\_Ant1



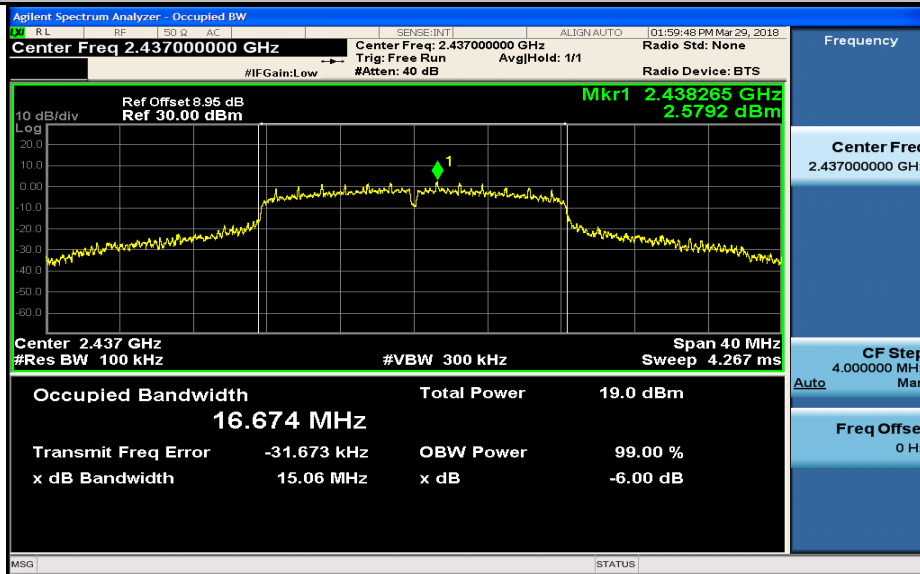
## 6dB Bandwidth\_11B\_2462\_Ant1



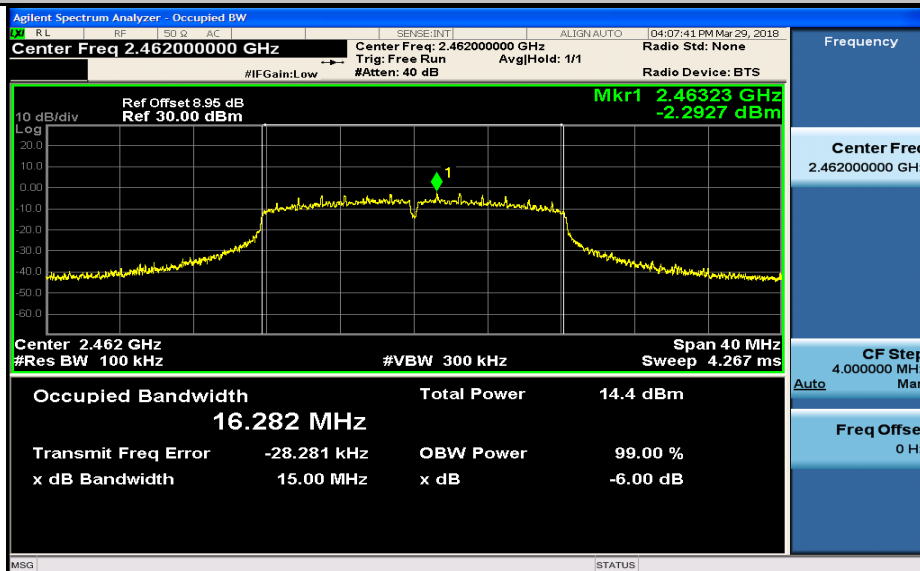
## 6dB Bandwidth\_11G\_2412\_Ant1



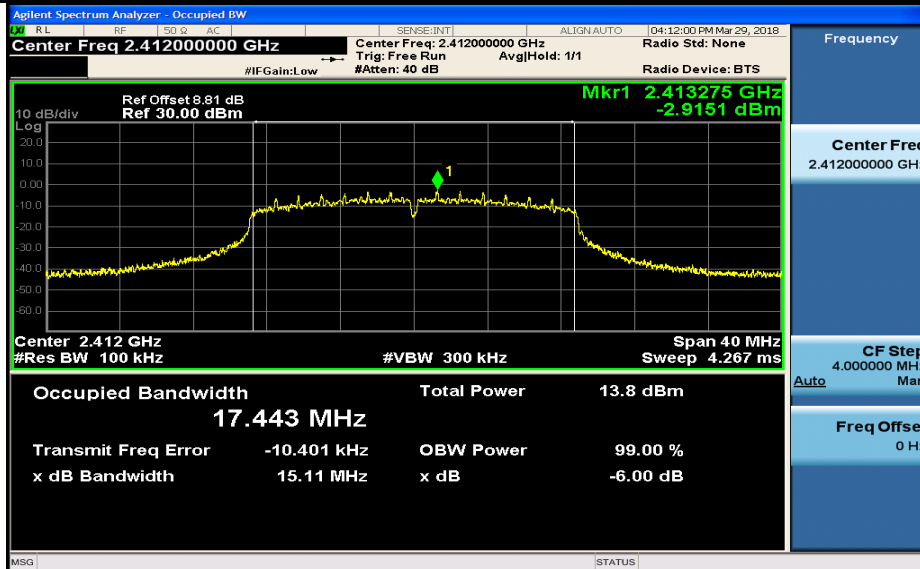
## 6dB Bandwidth\_11G\_2437\_Ant1



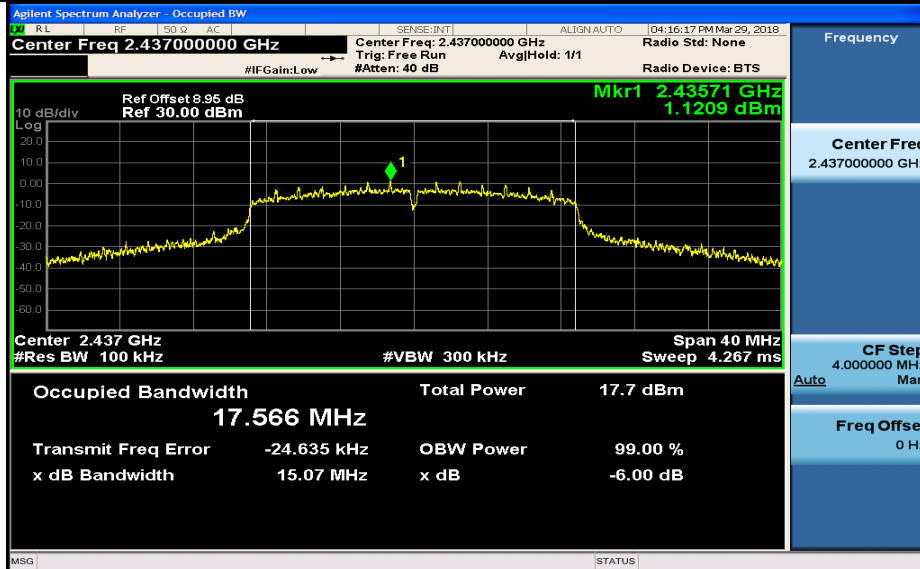
## 6dB Bandwidth\_11G\_2462\_Ant1



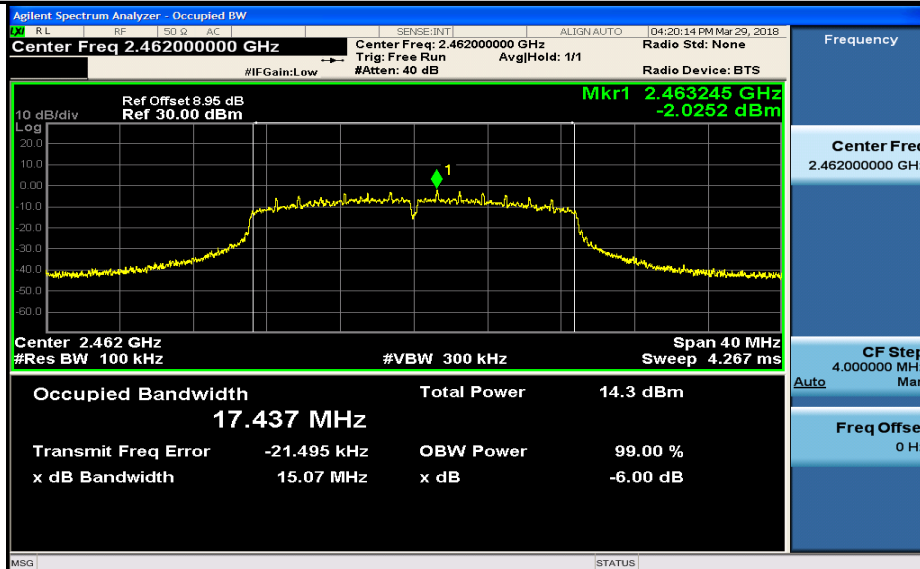
## 6dB Bandwidth\_11N20SISO\_2412\_Ant1



## 6dB Bandwidth\_11N20SISO\_2437\_Ant1



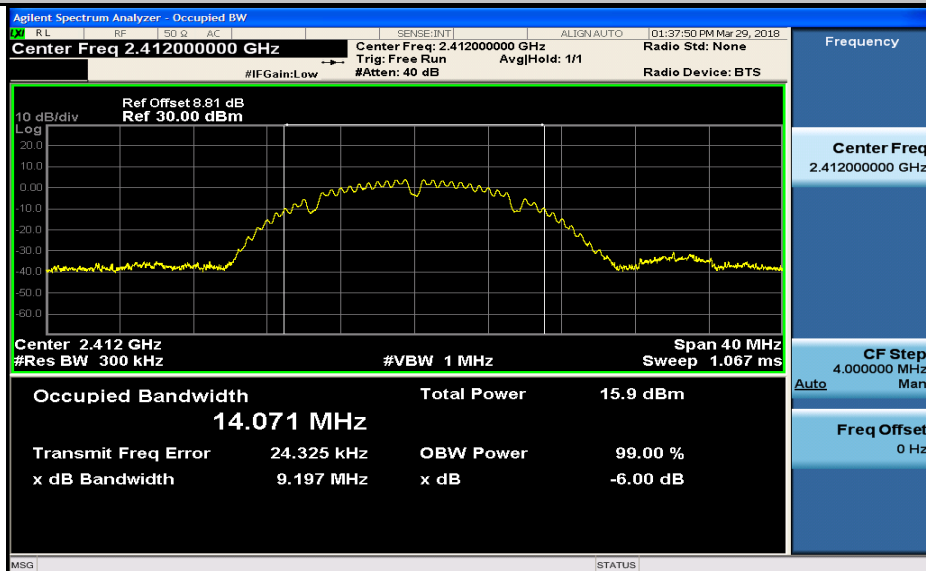
## 6dB Bandwidth\_11N20SISO\_2462\_Ant1



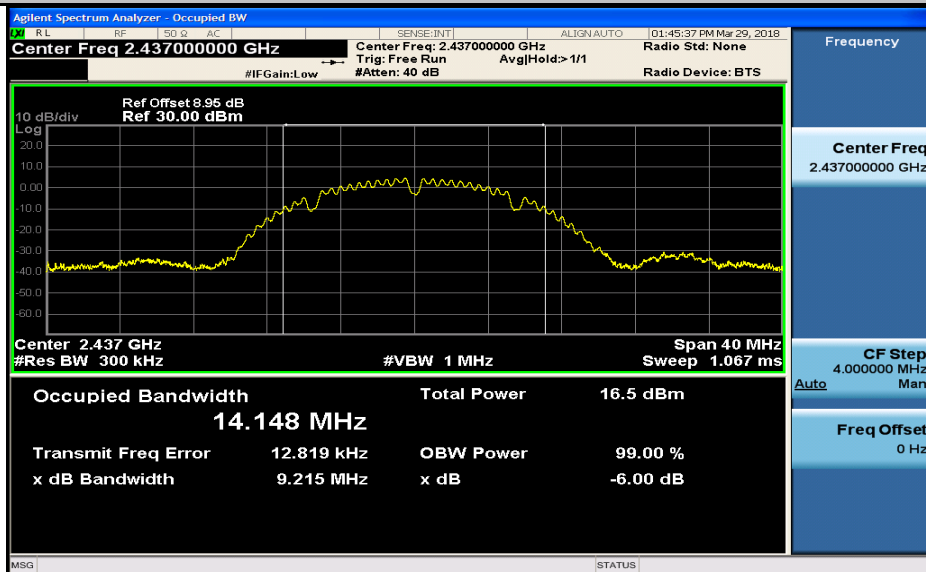
**2.Occupied Bandwidth**

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	14.07	---	PASS
11B	2437	Ant1	14.15	---	PASS
11B	2462	Ant1	14.15	---	PASS
11G	2412	Ant1	16.54	---	PASS
11G	2437	Ant1	17.34	---	PASS
11G	2462	Ant1	16.57	---	PASS
11N20SISO	2412	Ant1	17.59	---	PASS
11N20SISO	2437	Ant1	17.85	---	PASS
11N20SISO	2462	Ant1	17.57	---	PASS

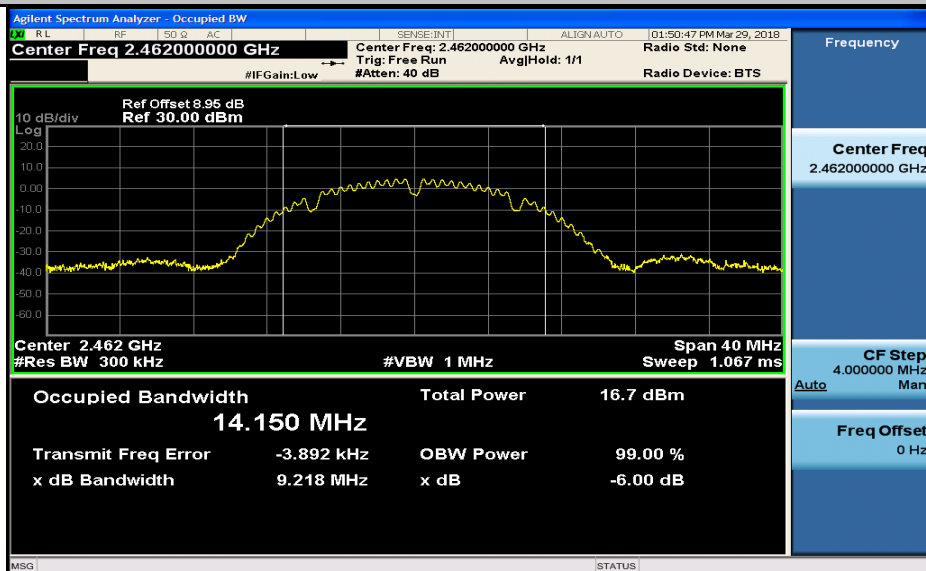
## Occupied Bandwidth\_11B\_2412



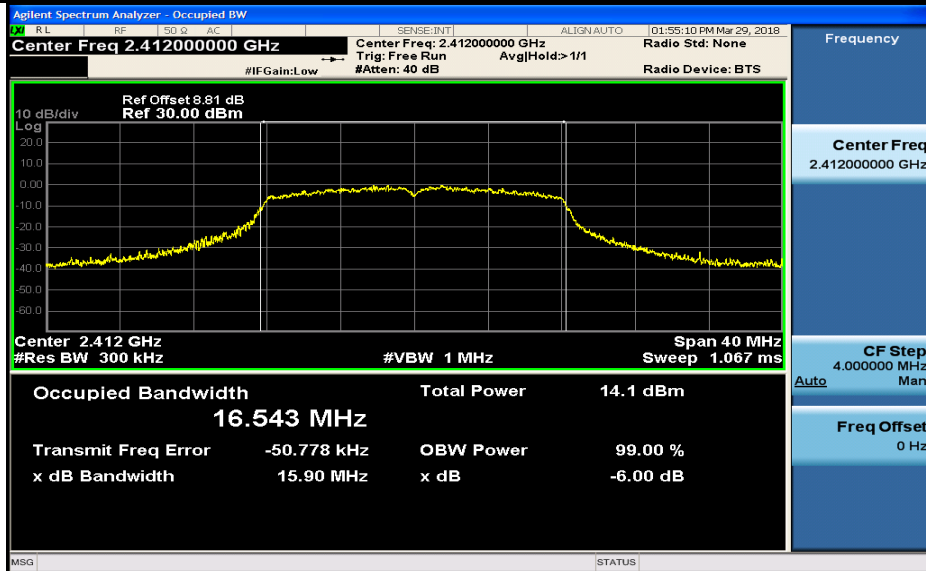
## Occupied Bandwidth\_11B\_2437



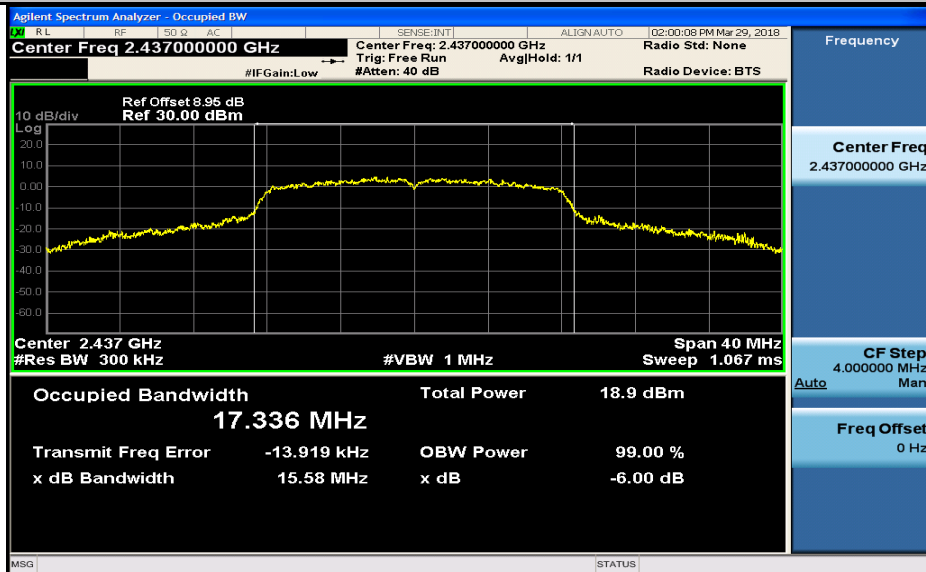
## Occupied Bandwidth\_11B\_2462



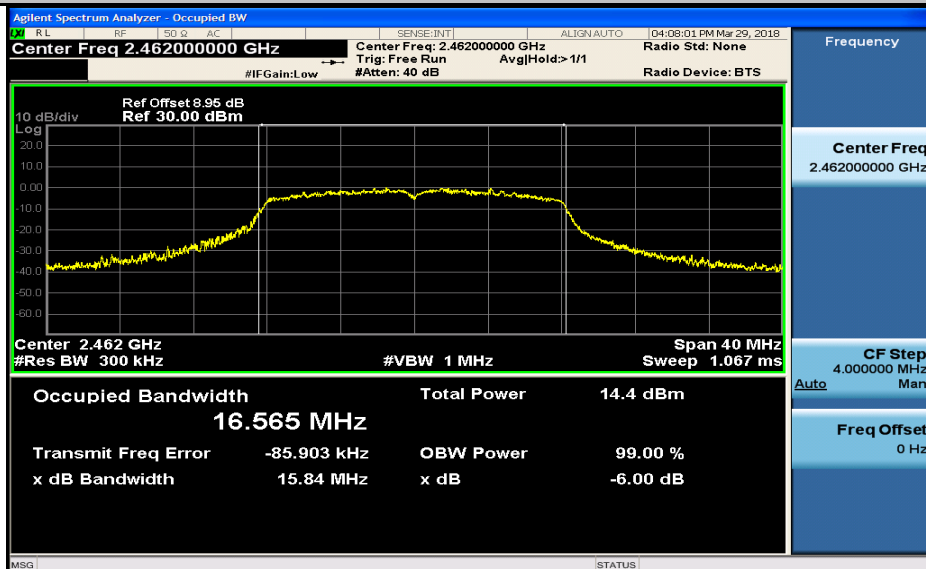
## Occupied Bandwidth\_11G\_2412



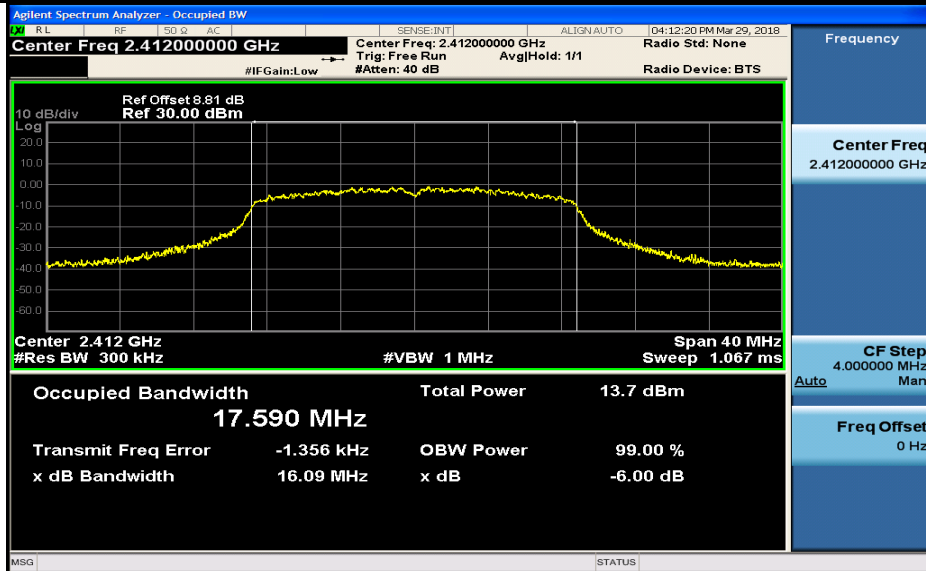
## Occupied Bandwidth\_11G\_2437



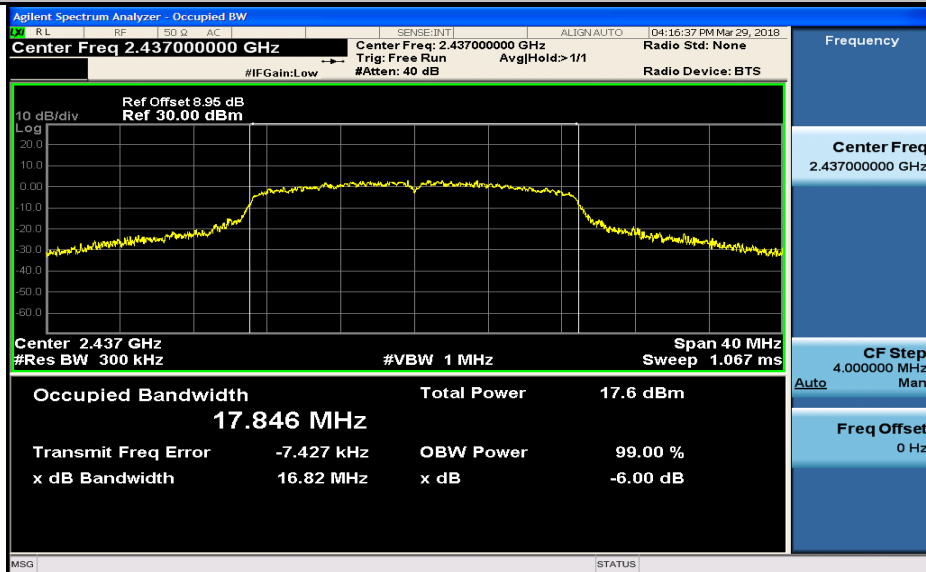
## Occupied Bandwidth\_11G\_2462



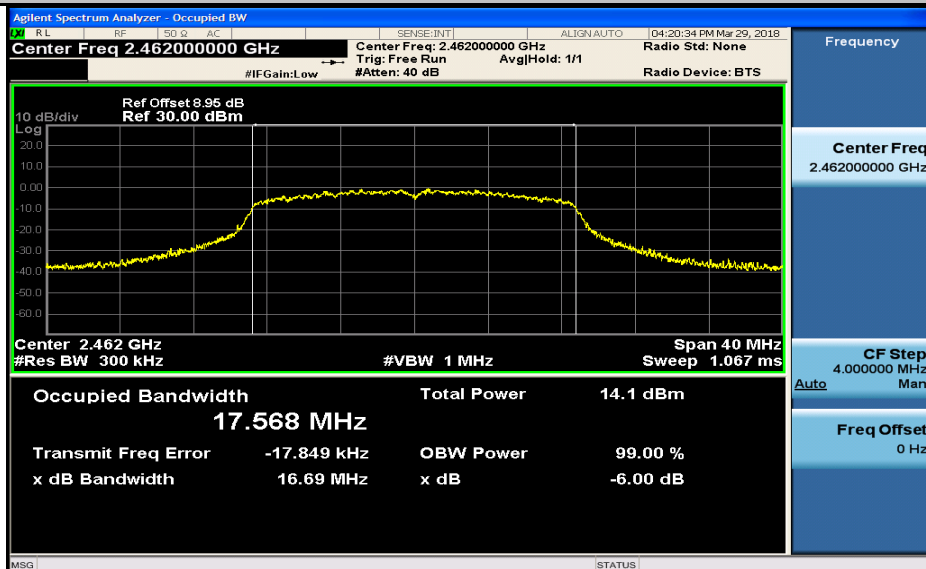
## Occupied Bandwidth\_11N20SISO\_2412



## Occupied Bandwidth\_11N20SISO\_2437



## Occupied Bandwidth\_11N20SISO\_2462

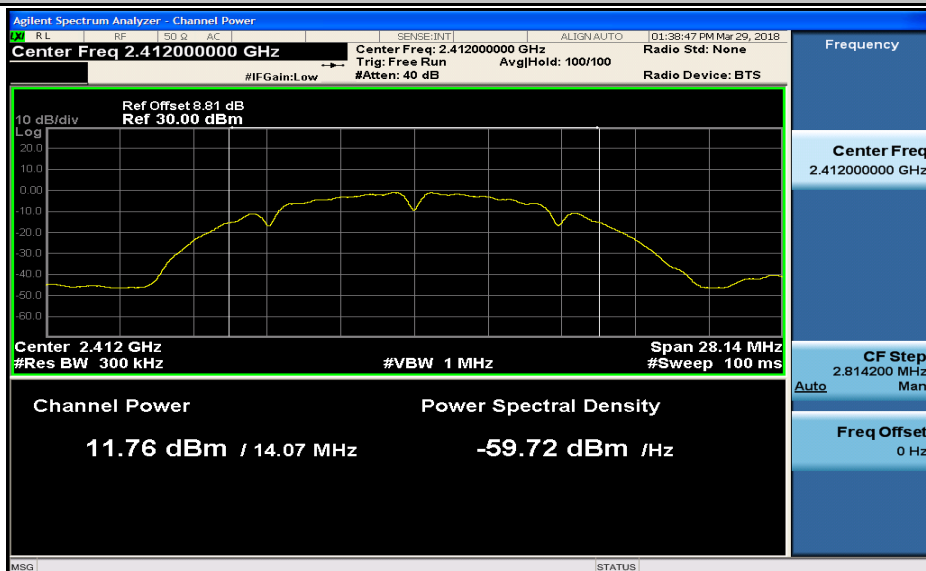




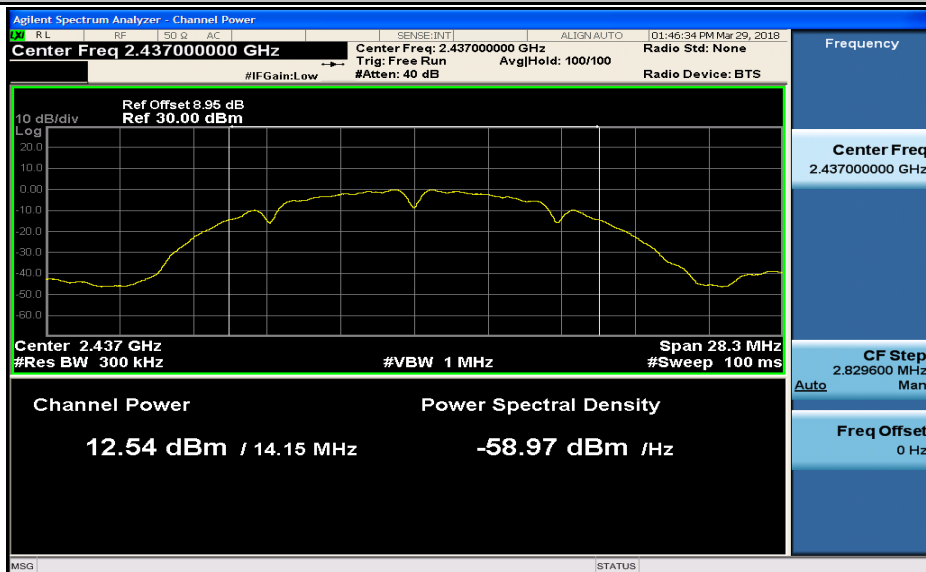
**3.Maximum conducted (average) output power**

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	11.76	0.22	11.99	30	PASS
11B	2437	Ant1	12.54	0.19	12.72	30	PASS
11B	2462	Ant1	12.69	0.18	12.87	30	PASS
11G	2412	Ant1	7.27	0.69	7.96	30	PASS
11G	2437	Ant1	12.01	0.41	12.42	30	PASS
11G	2462	Ant1	7.58	0.41	7.99	30	PASS
11N20SISO	2412	Ant1	6.94	0.52	7.46	30	PASS
11N20SISO	2437	Ant1	10.76	0.49	11.25	30	PASS
11N20SISO	2462	Ant1	7.3	0.70	8.00	30	PASS

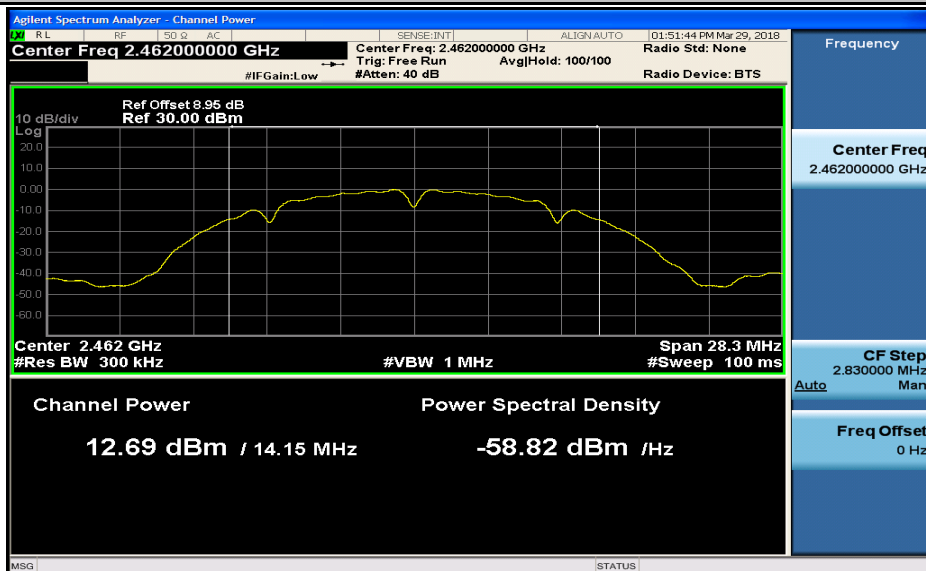
## Maximum conducted (average) output power\_11B\_2412\_Ant1



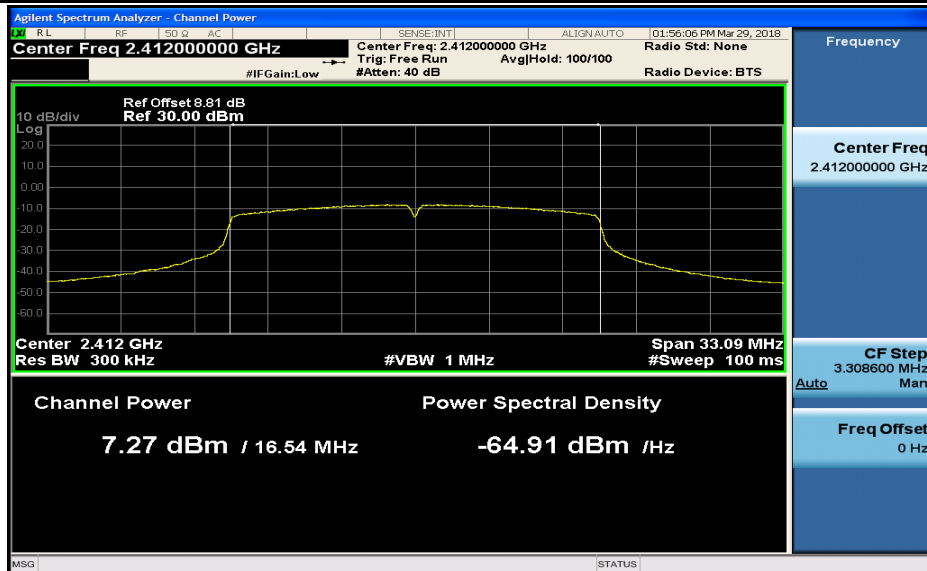
## Maximum conducted (average) output power\_11B\_2437\_Ant1



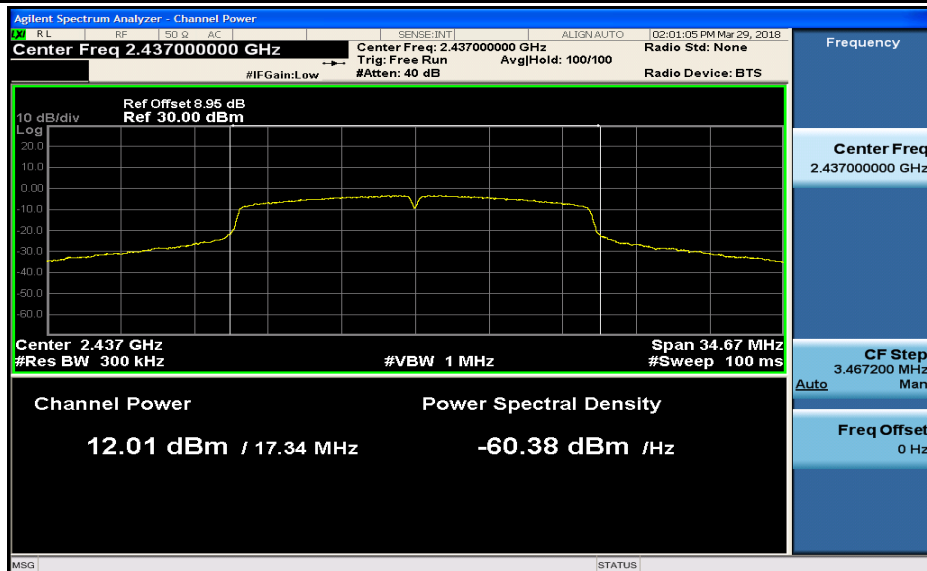
## Maximum conducted (average) output power\_11B\_2462\_Ant1



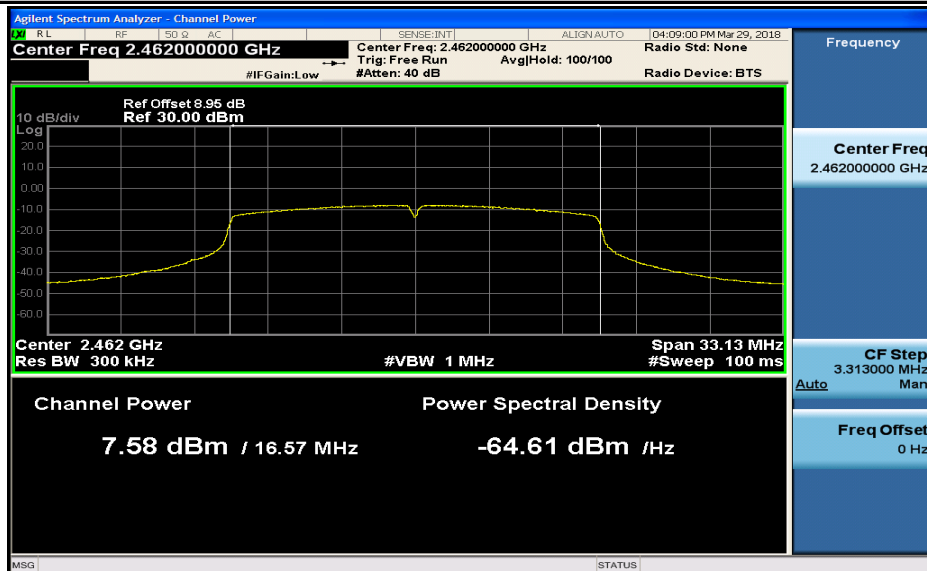
## Maximum conducted (average) output power\_11G\_2412\_Ant1



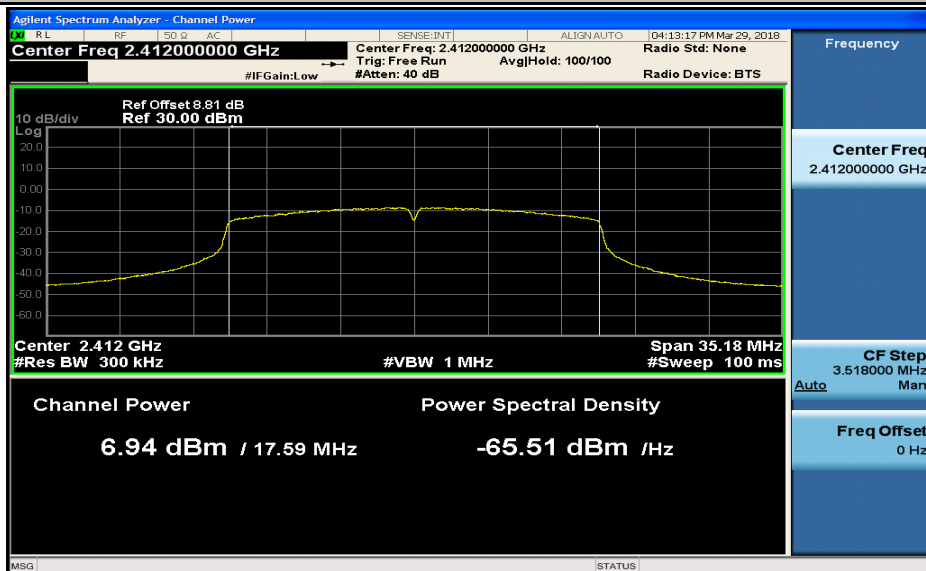
## Maximum conducted (average) output power\_11G\_2437\_Ant1



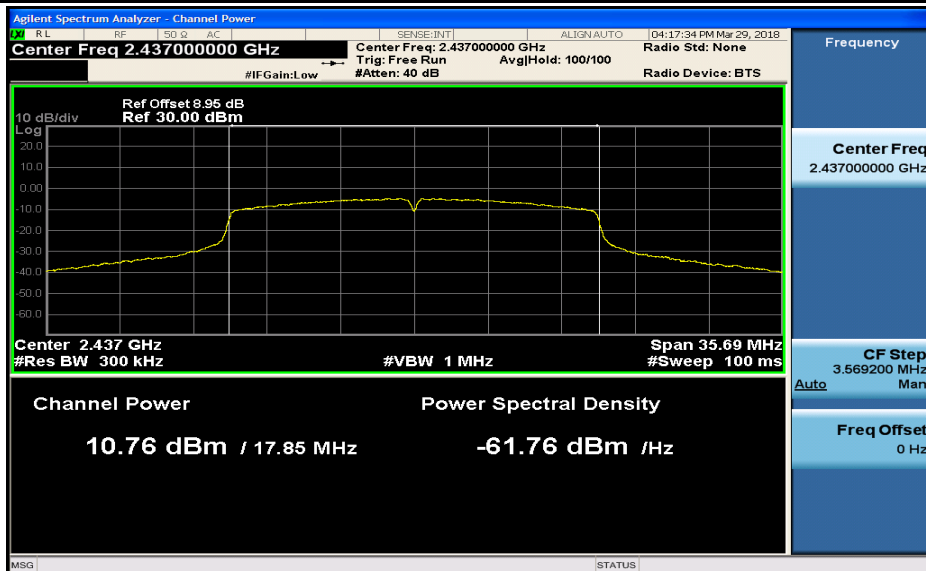
## Maximum conducted (average) output power\_11G\_2462\_Ant1



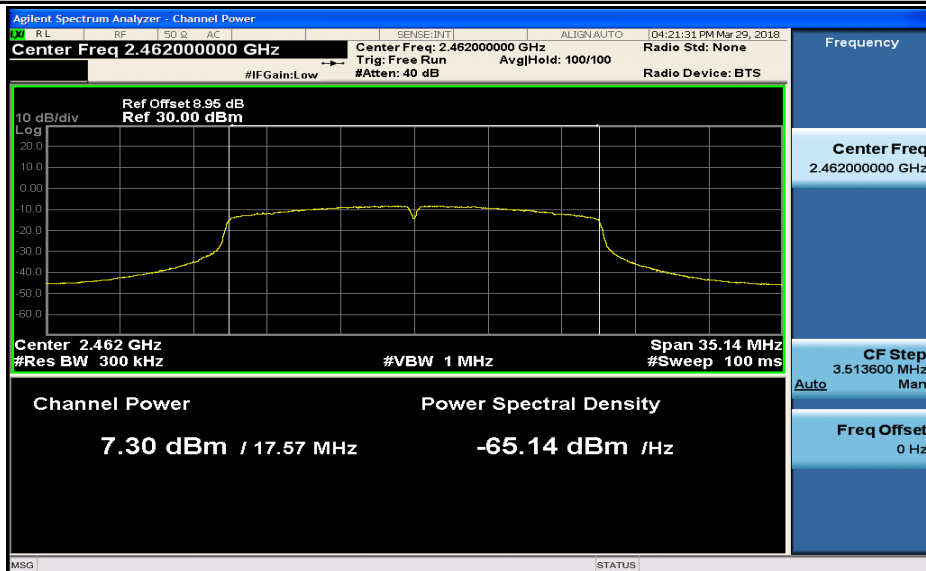
## Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



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



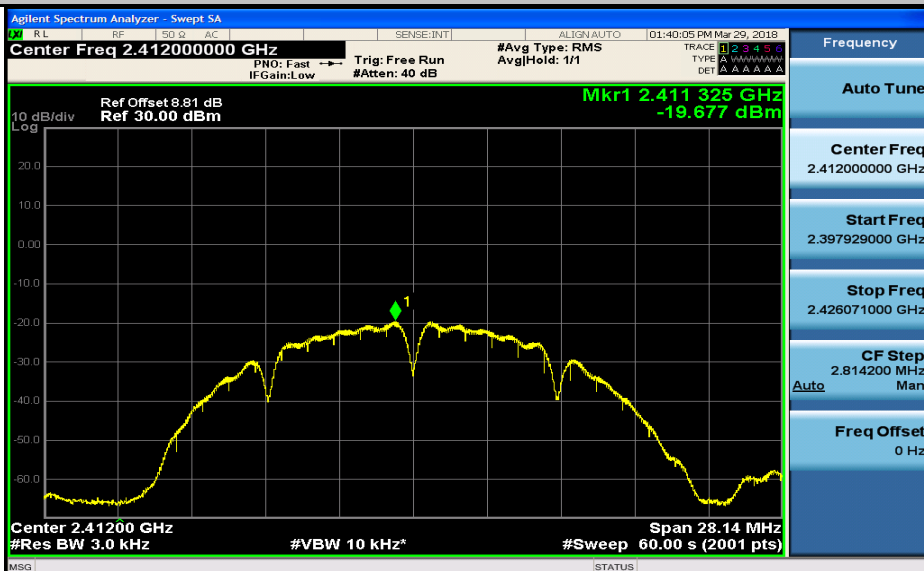
## Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



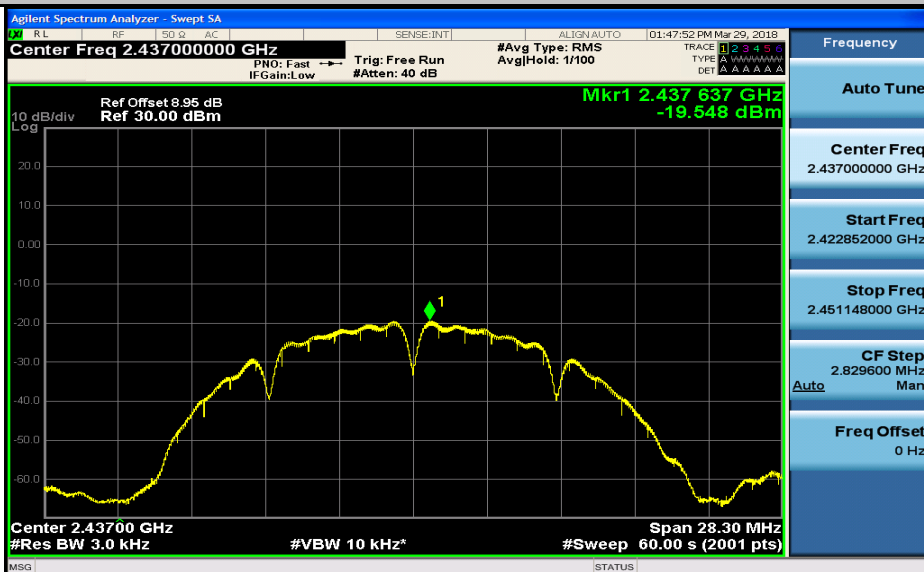
**4.Maximum(average) power spectral density**

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-19.68	0.22	-19.46	8.00	PASS
11B	2437	Ant1	-19.55	0.19	-19.36	8.00	PASS
11B	2462	Ant1	-19.42	0.18	-19.24	8.00	PASS
11G	2412	Ant1	-25.87	0.69	-25.18	8.00	PASS
11G	2437	Ant1	-21.60	0.41	-21.19	8.00	PASS
11G	2462	Ant1	-25.71	0.41	-25.30	8.00	PASS
11N20SISO	2412	Ant1	-26.77	0.52	-26.25	8.00	PASS
11N20SISO	2437	Ant1	-23.24	0.49	-22.75	8.00	PASS
11N20SISO	2462	Ant1	-26.48	0.70	-25.78	8.00	PASS

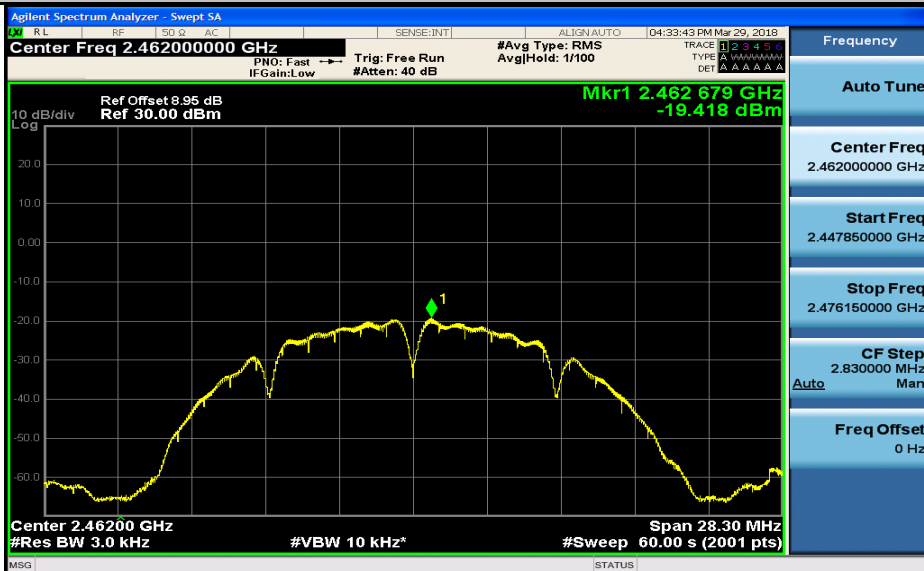
## Maximum(average) power spectral density\_11B\_2412\_Ant1



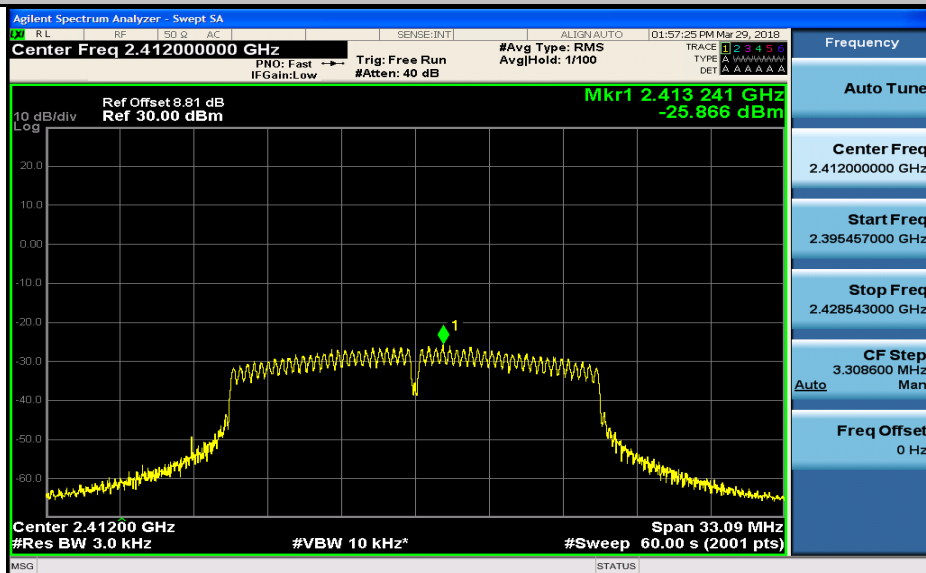
## Maximum(average) power spectral density\_11B\_2437\_Ant1



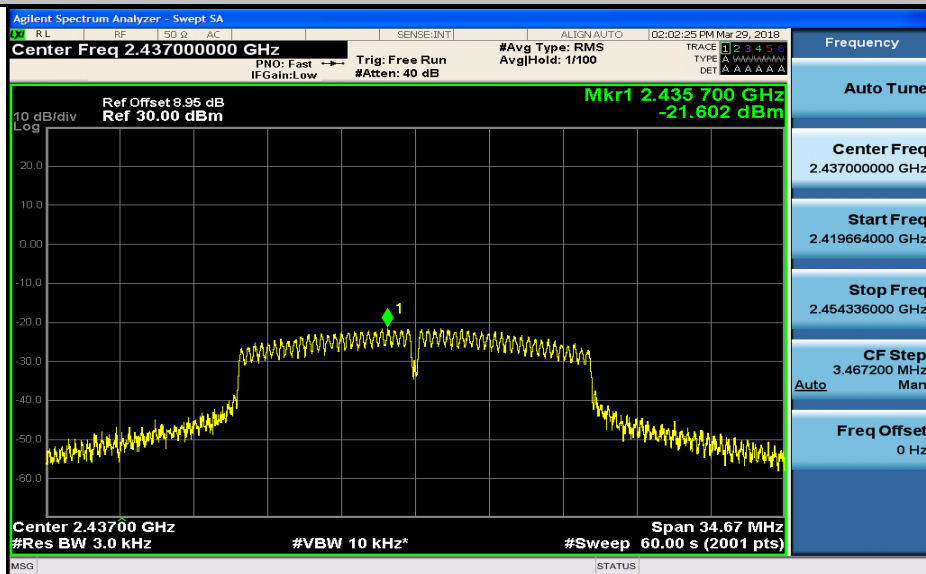
## Maximum(average) power spectral density\_11B\_2462\_Ant1



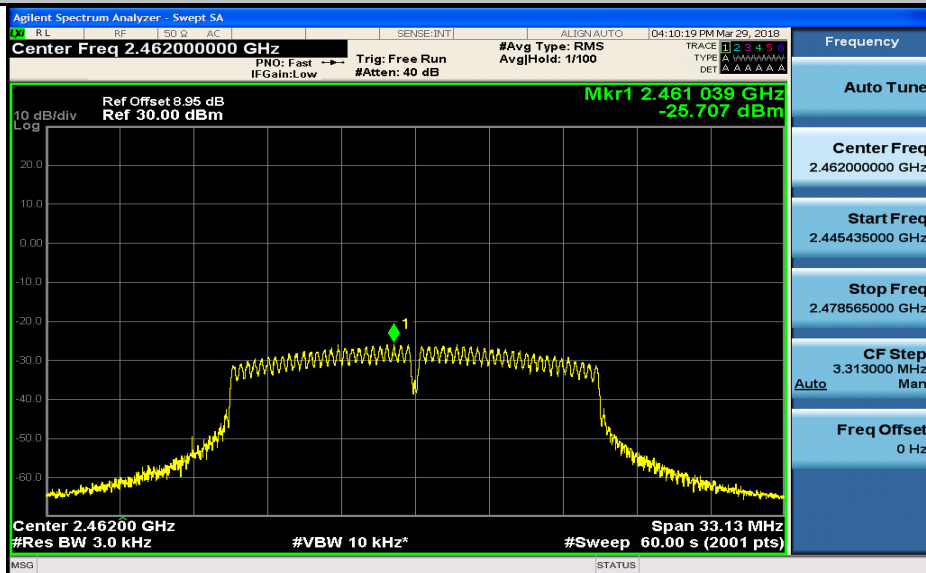
## Maximum(average) power spectral density\_11G\_2412\_Ant1



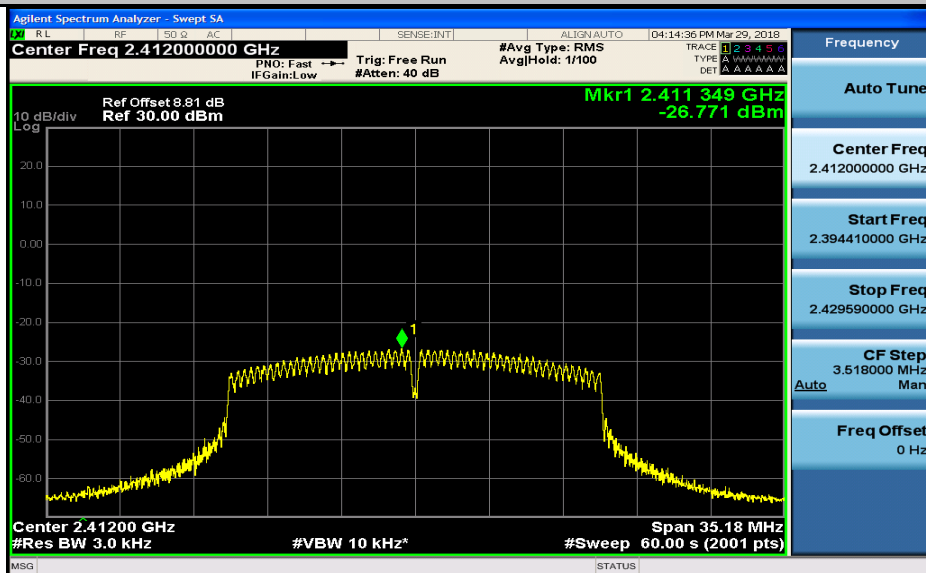
## Maximum(average) power spectral density\_11G\_2437\_Ant1



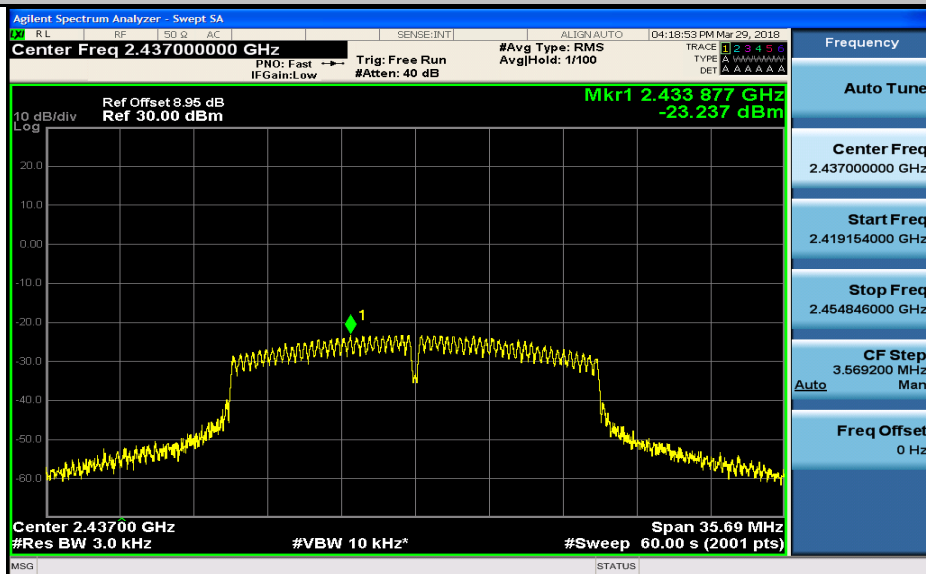
## Maximum(average) power spectral density\_11G\_2462\_Ant1



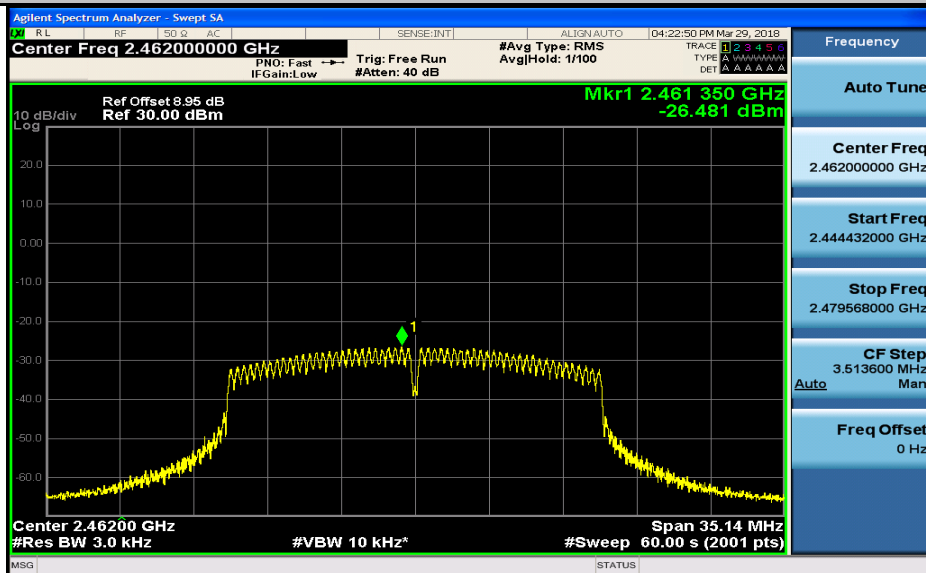
## Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



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



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

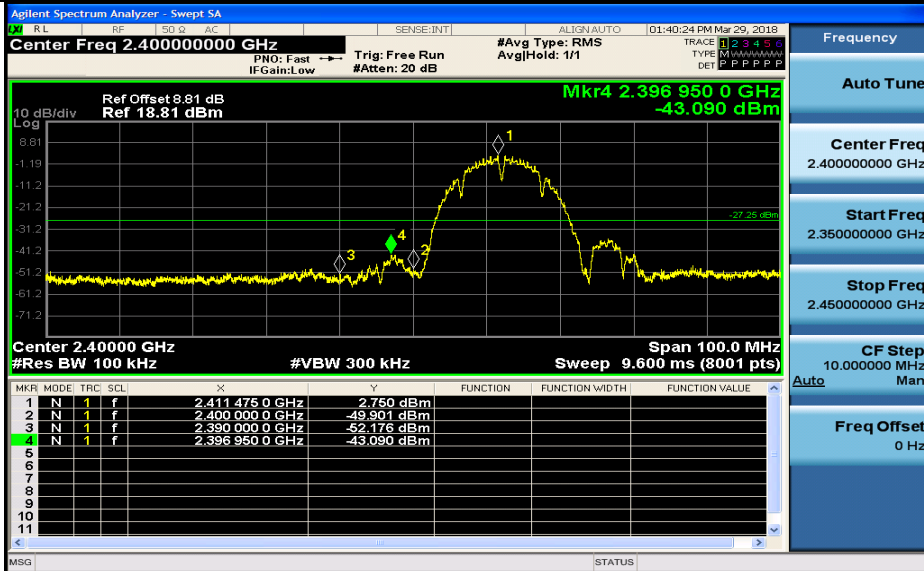




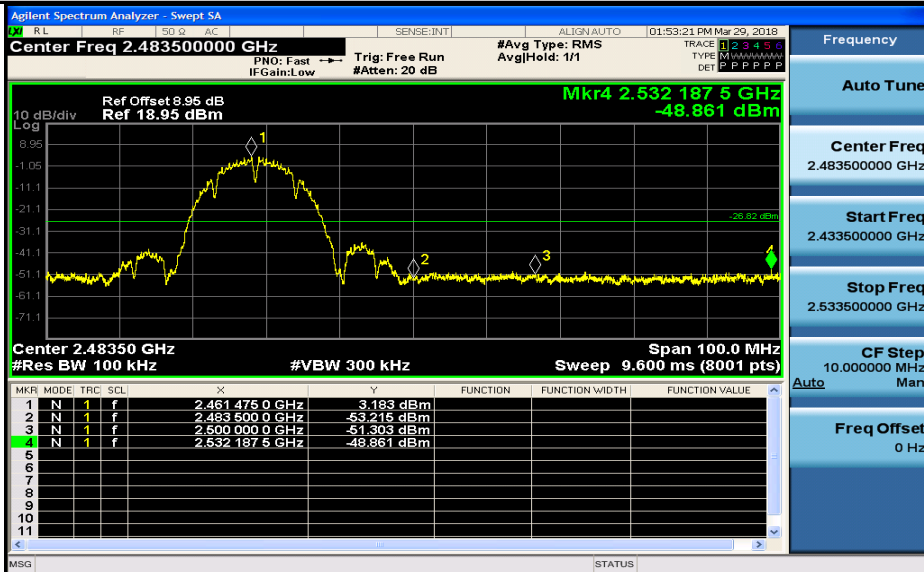
**5.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	2.75	-43.09	-27.25	PASS
11B	2462	Ant1	3.18	-48.86	-26.82	PASS
11G	2412	Ant1	-2.86	-34.77	-32.86	PASS
11G	2462	Ant1	-2.70	-50.32	-32.70	PASS
11N20SISO	2412	Ant1	-2.59	-34.94	-32.59	PASS
11N20SISO	2462	Ant1	-2.67	-50.25	-32.67	PASS

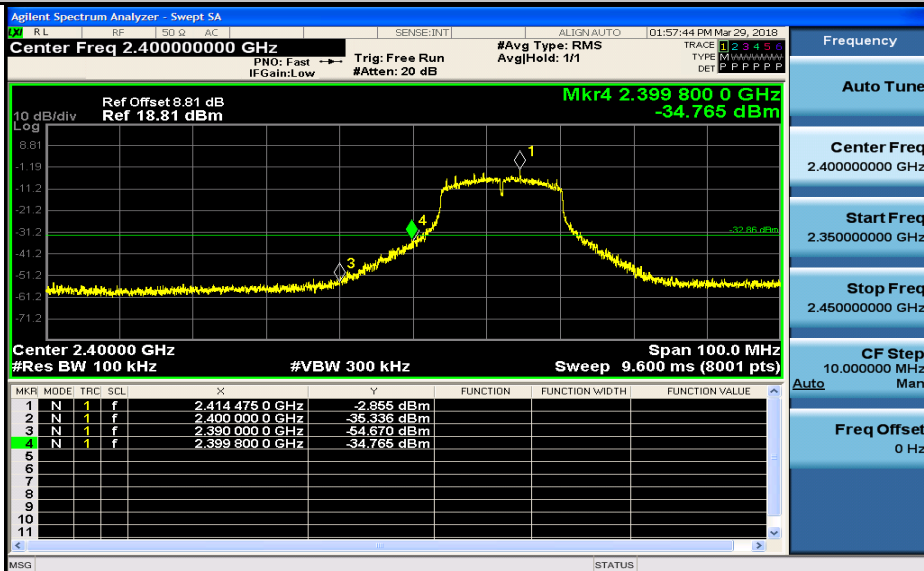
## Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



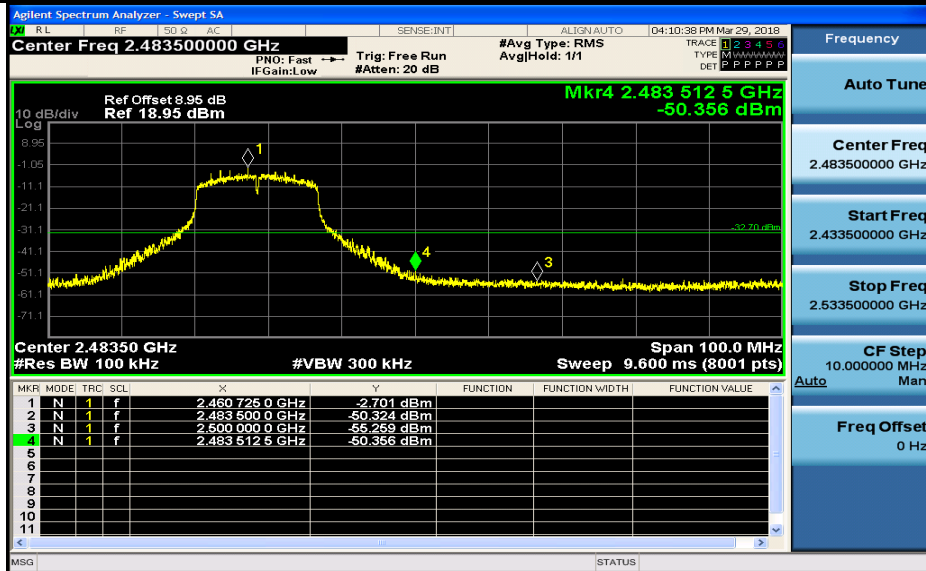
## Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



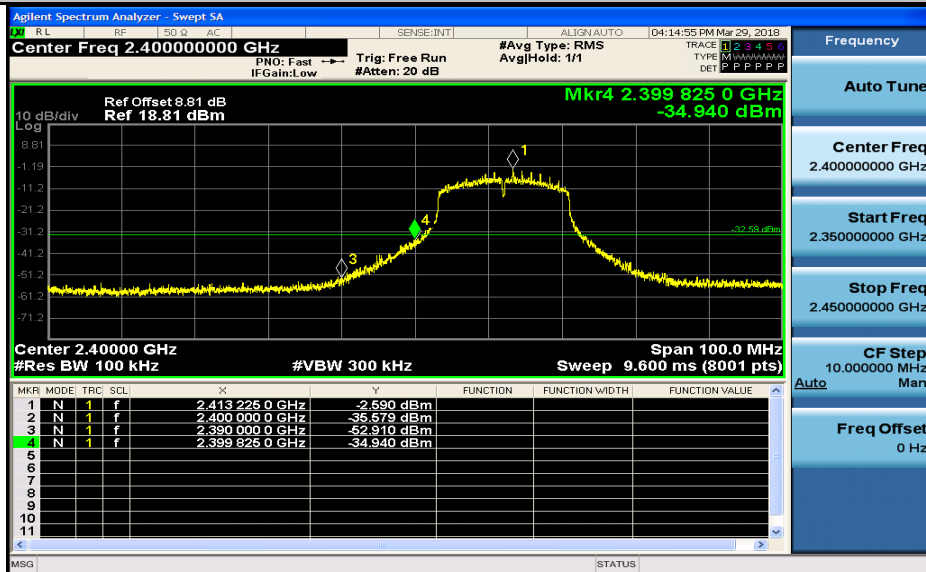
## Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



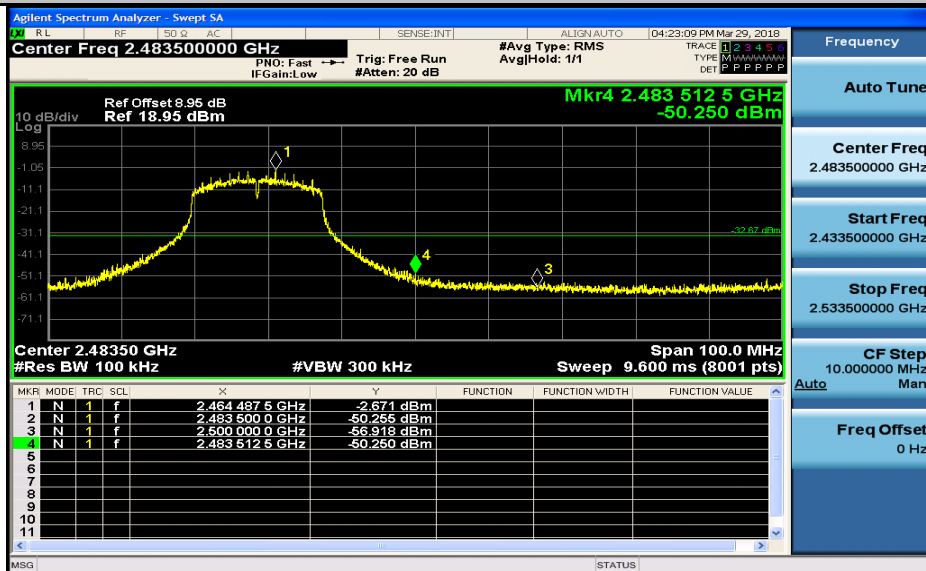
## Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



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



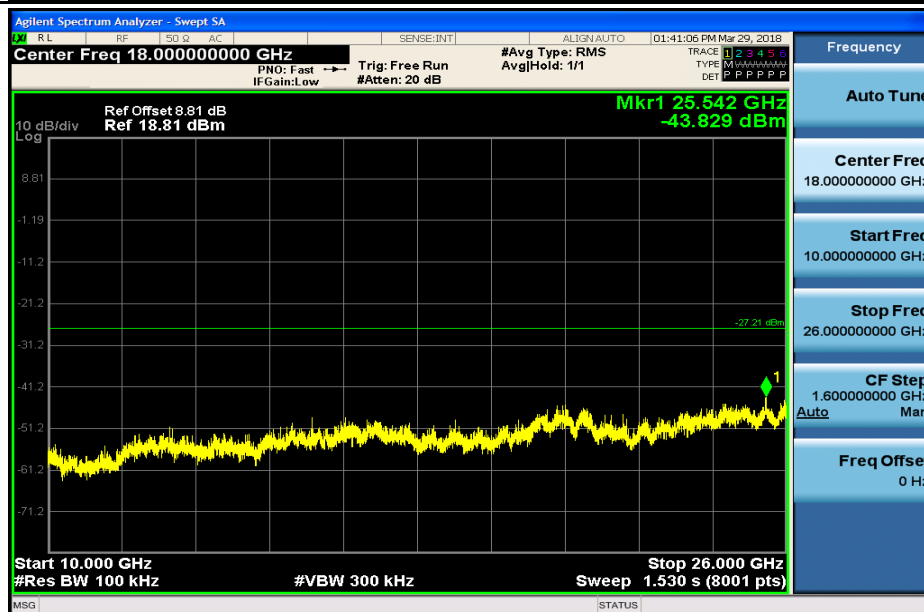
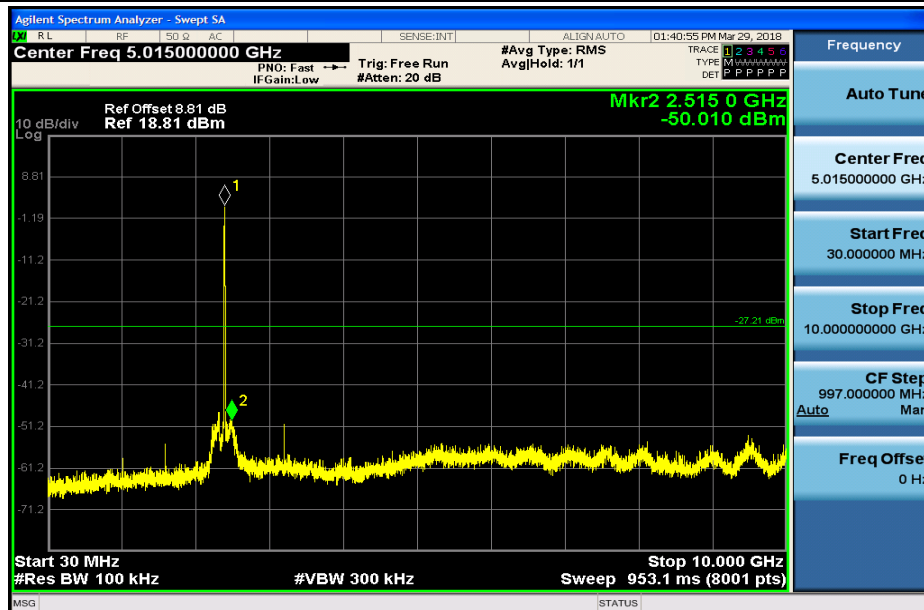
## Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



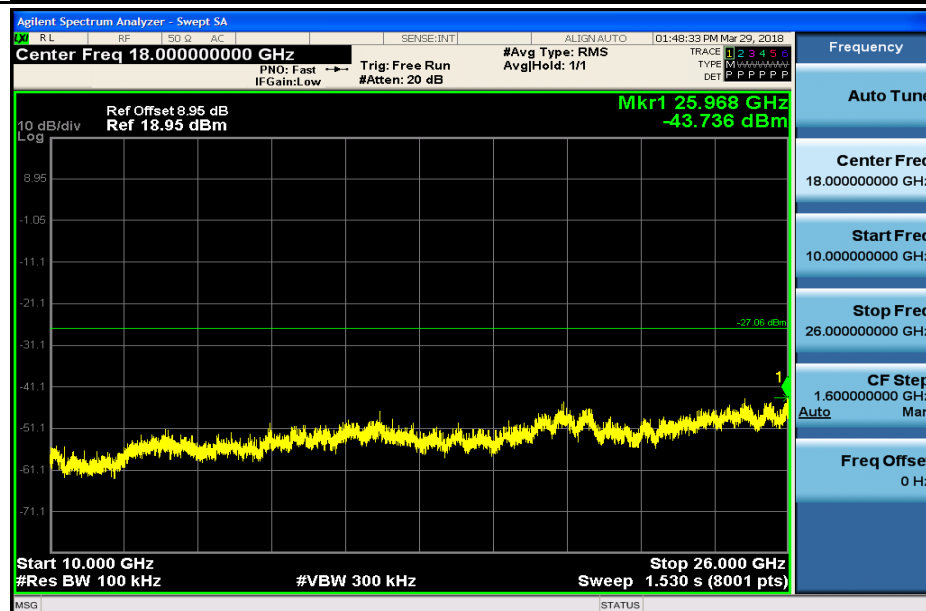
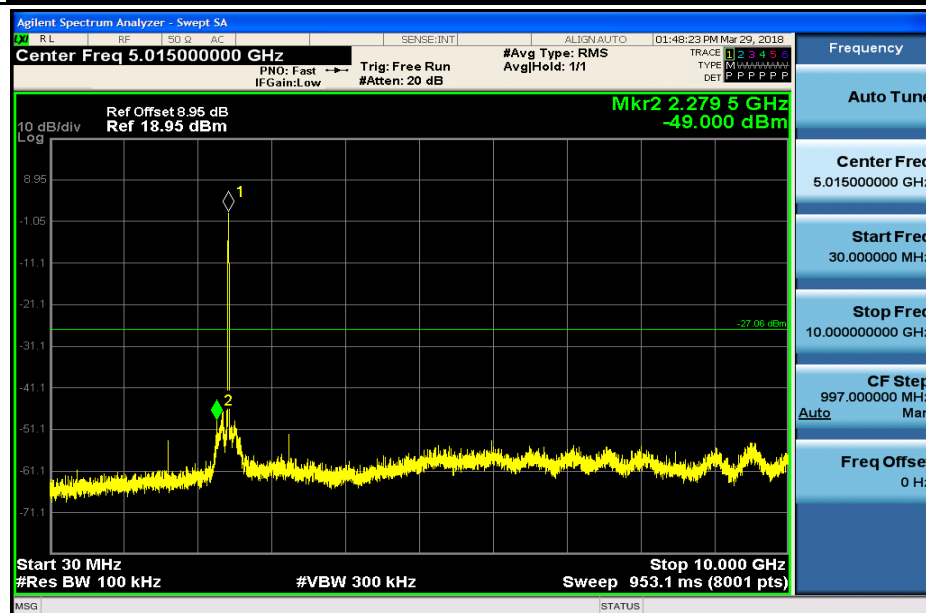
**6.RF Conducted Spurious Emissions**

Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	2.79	-50.01	<- 27.21	PASS
11B	2412	Ant1	10000	26000	100	300	2.789	-43.829	<- 27.211	PASS
11B	2437	Ant1	30	10000	100	300	2.94	-49.00	<- 27.06	PASS
11B	2437	Ant1	10000	26000	100	300	2.936	-43.736	<- 27.064	PASS
11B	2462	Ant1	30	10000	100	300	3.07	-47.96	<- 26.93	PASS
11B	2462	Ant1	10000	26000	100	300	3.07	-43.925	<- 26.93	PASS
11G	2412	Ant1	30	10000	100	300	-2.99	-51.03	<- 32.99	PASS
11G	2412	Ant1	10000	26000	100	300	-2.986	-44.193	<- 32.986	PASS
11G	2437	Ant1	30	10000	100	300	2.71	-49.66	<- 27.30	PASS
11G	2437	Ant1	10000	26000	100	300	2.705	-44.423	<- 27.295	PASS
11G	2462	Ant1	30	10000	100	300	-2.73	-53.08	<- 32.73	PASS
11G	2462	Ant1	10000	26000	100	300	-2.725	-43.501	<- 32.725	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-2.55	-50.47	<- 32.55	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-2.547	-43.703	<- 32.547	PASS
11N20SISO	2437	Ant1	30	10000	100	300	1.06	-51.56	<- 28.94	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	1.058	-43.210	<- 28.942	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-2.76	-53.16	<- 32.76	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-2.762	-43.423	<- 32.762	PASS

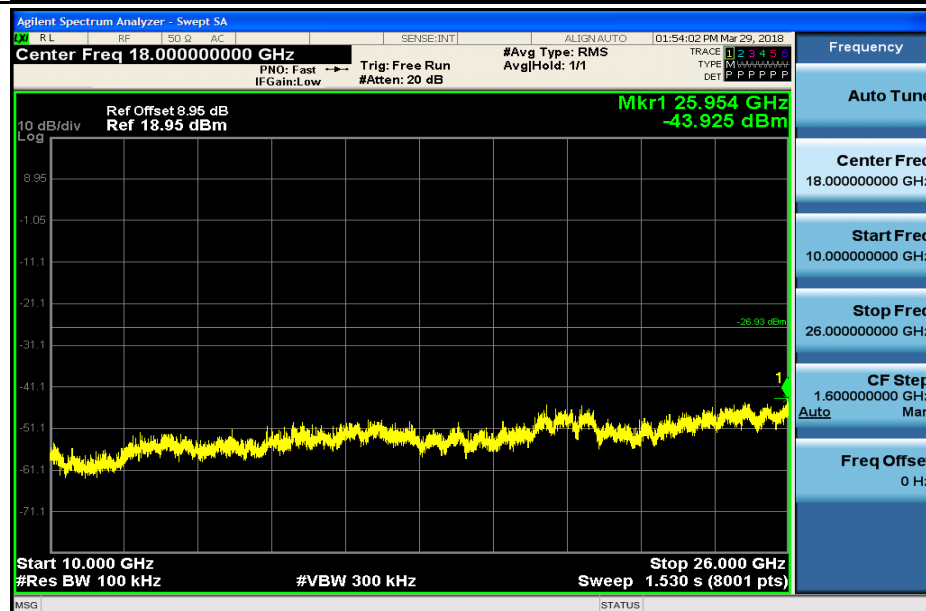
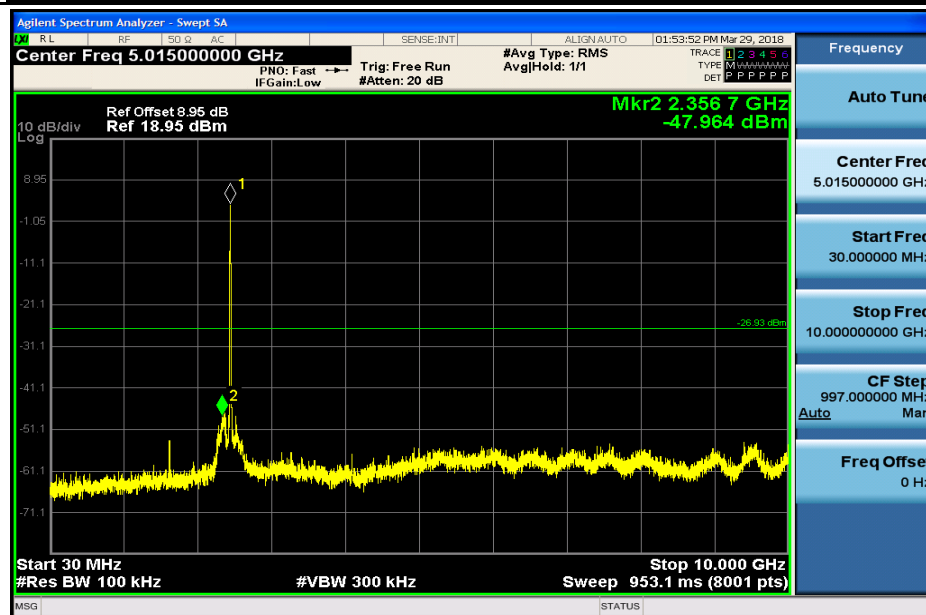
## RF Conducted Spurious Emissions\_11B\_2412



## RF Conducted Spurious Emissions\_11B\_2437

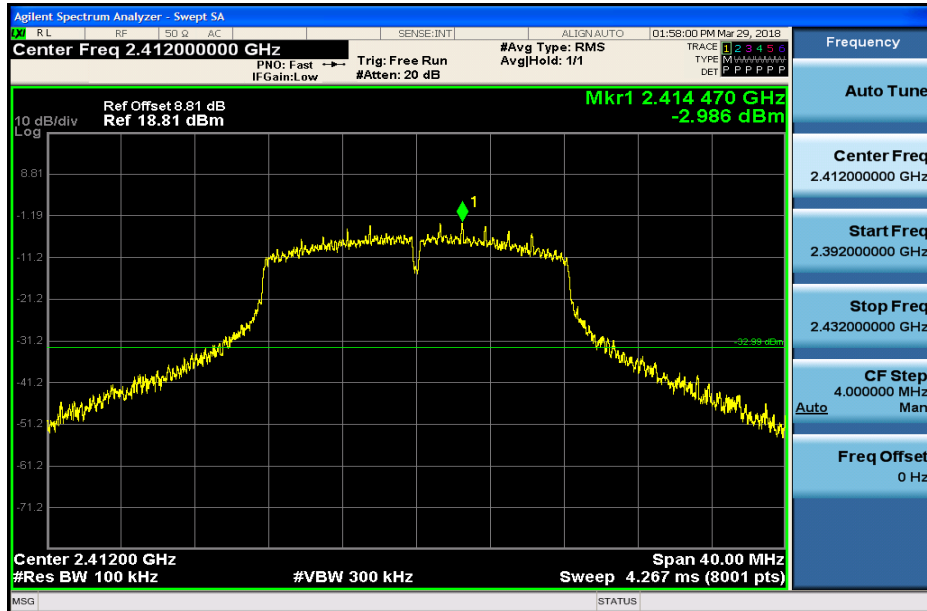


## RF Conducted Spurious Emissions\_11B\_2462

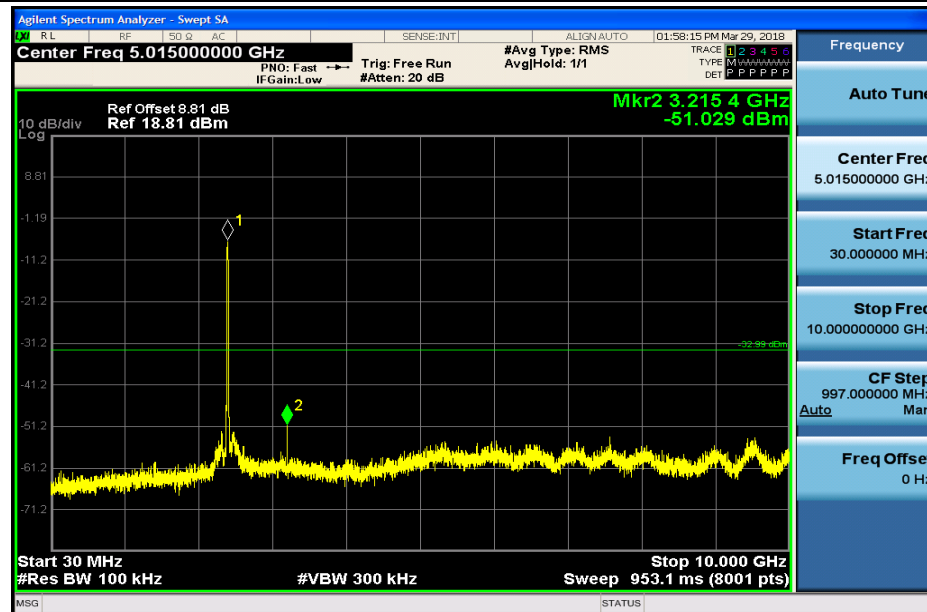




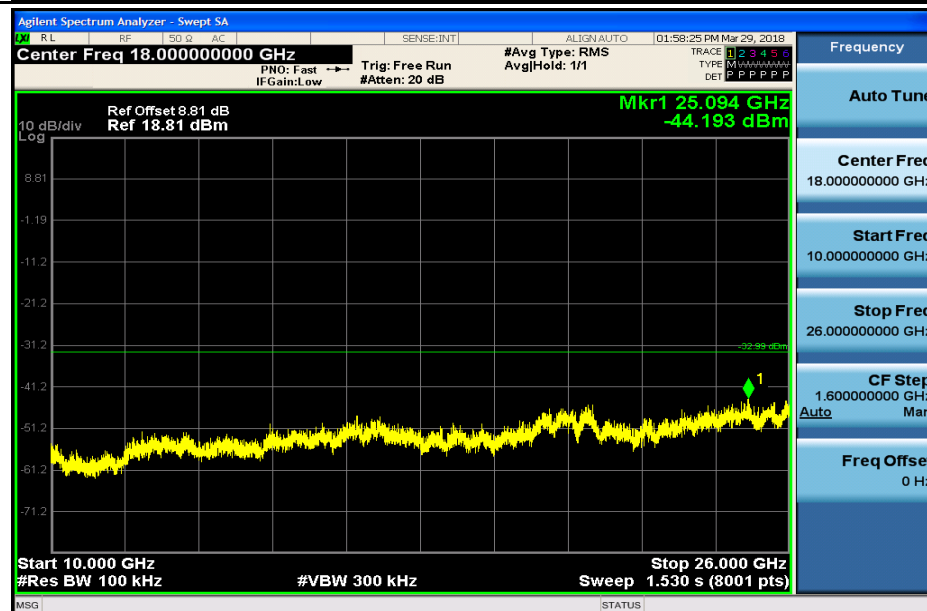
## RF Conducted Spurious Emissions\_11G\_2412



Frequency	
Auto Tune	
Center Freq	2.41200000 GHz
Start Freq	2.39200000 GHz
Stop Freq	2.43200000 GHz
CF Step	4.000000 MHz
Auto	Man
Freq Offset	0 Hz



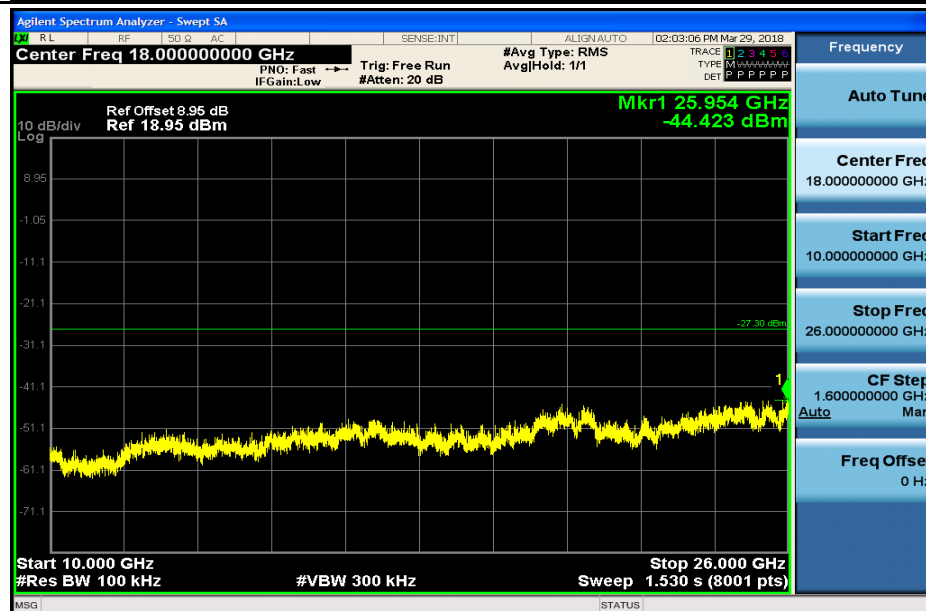
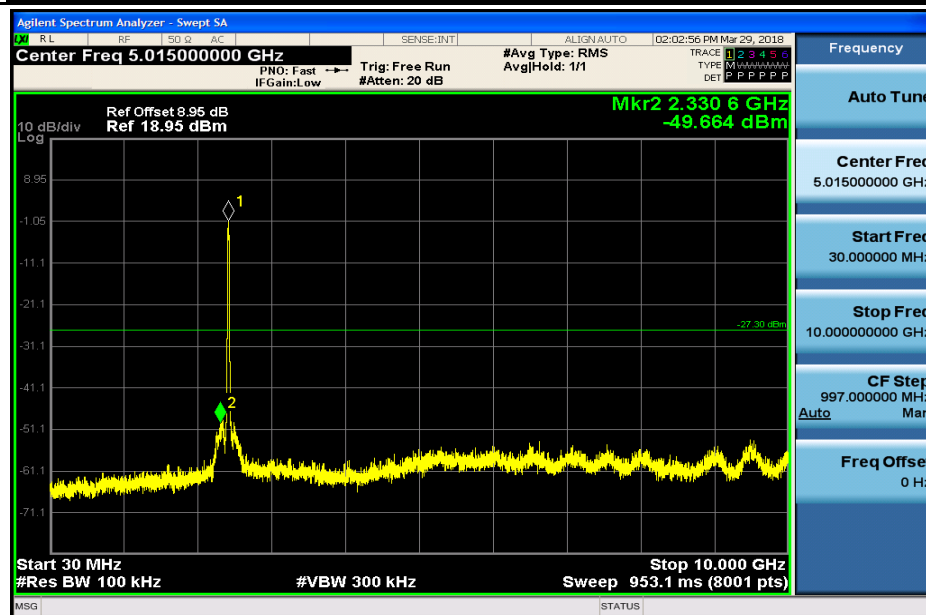
Frequency	
Auto Tune	
Center Freq	5.01500000 GHz
Start Freq	30.000000 MHz
Stop Freq	10.00000000 GHz
CF Step	997.000000 MHz
Auto	Man
Freq Offset	0 Hz



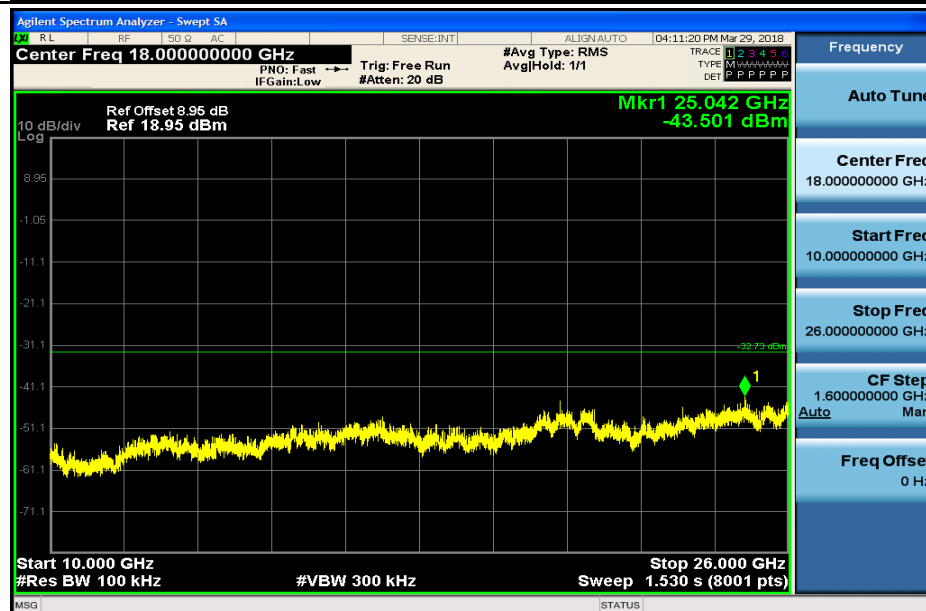
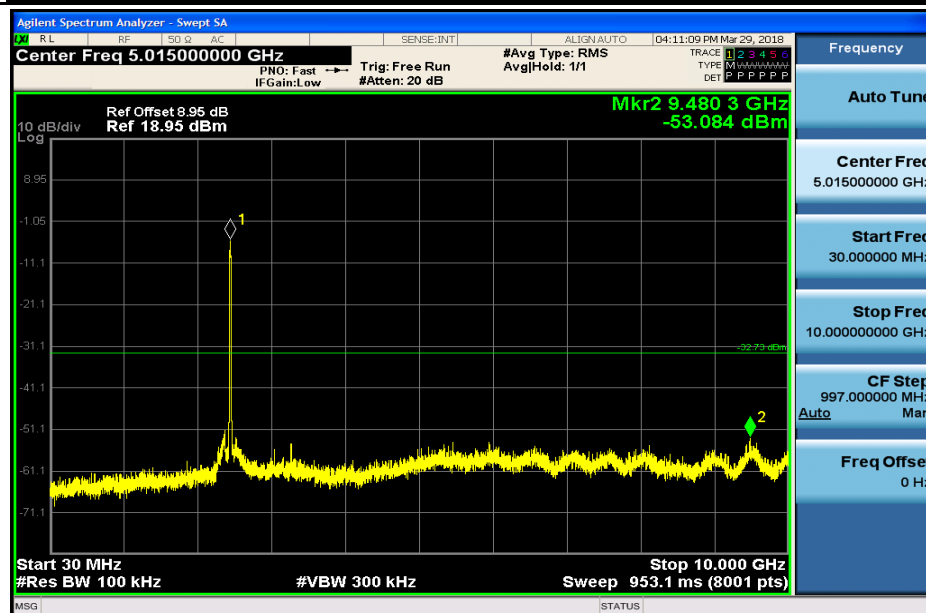
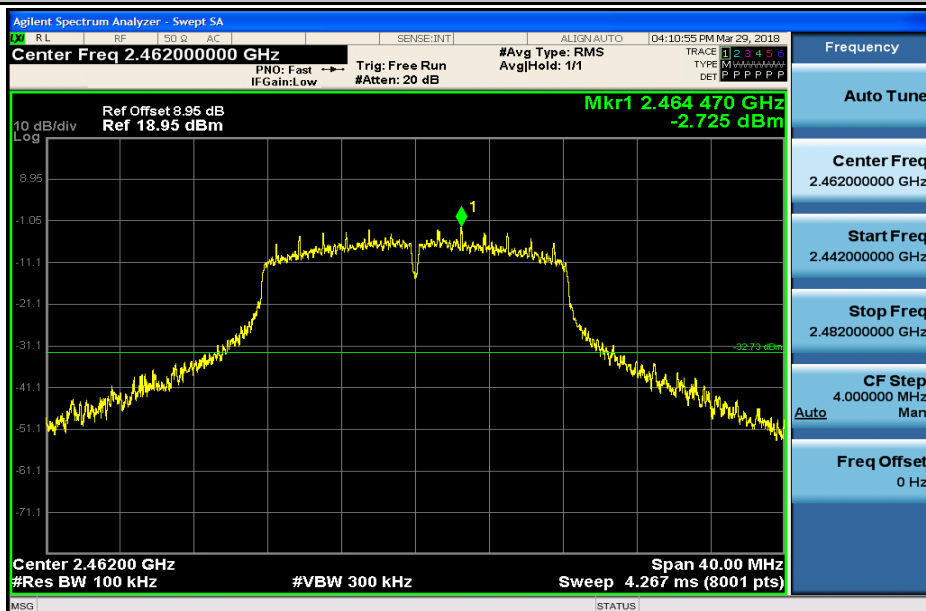
Frequency	
Auto Tune	
Center Freq	18.00000000 GHz
Start Freq	10.00000000 GHz
Stop Freq	26.00000000 GHz
CF Step	1.600000000 GHz
Auto	Man
Freq Offset	0 Hz



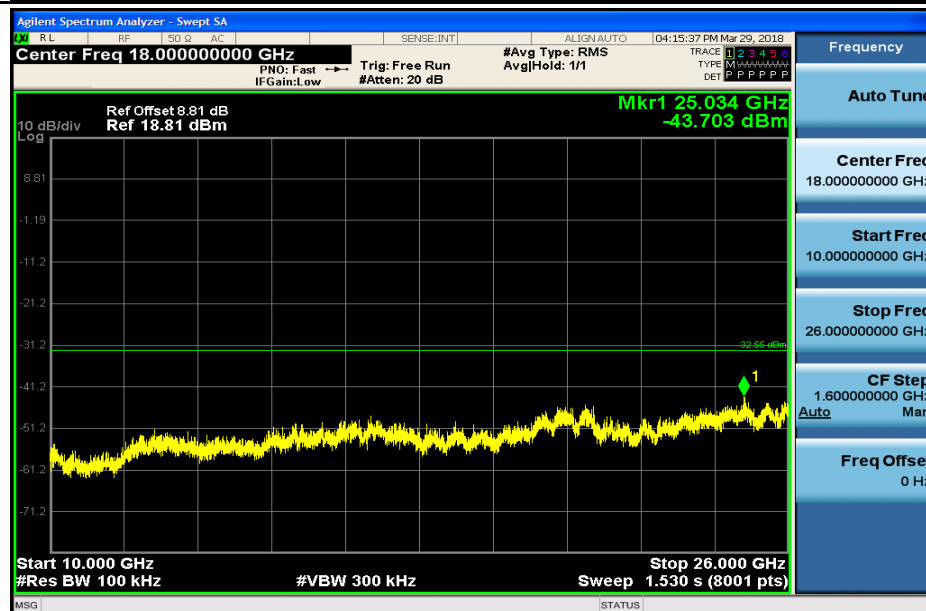
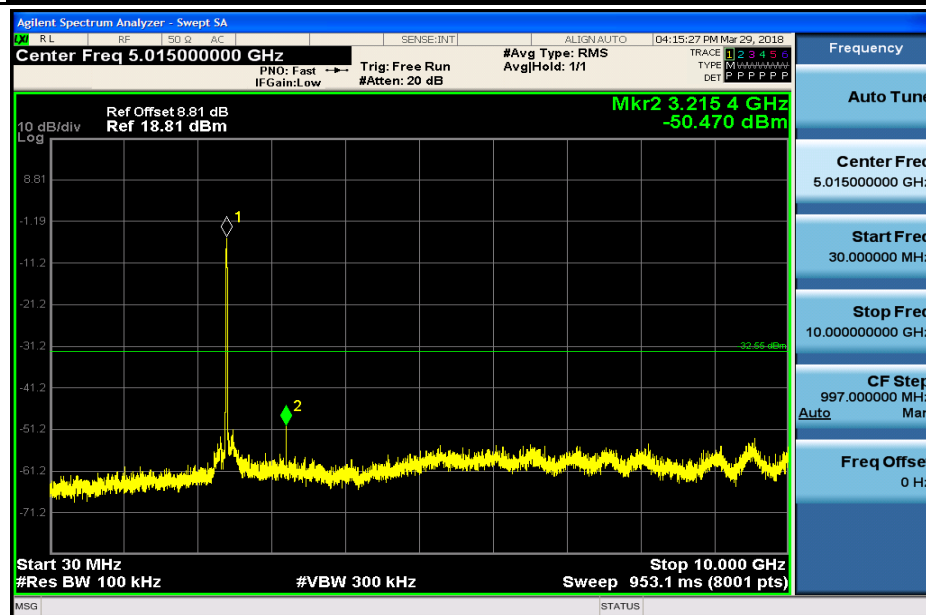
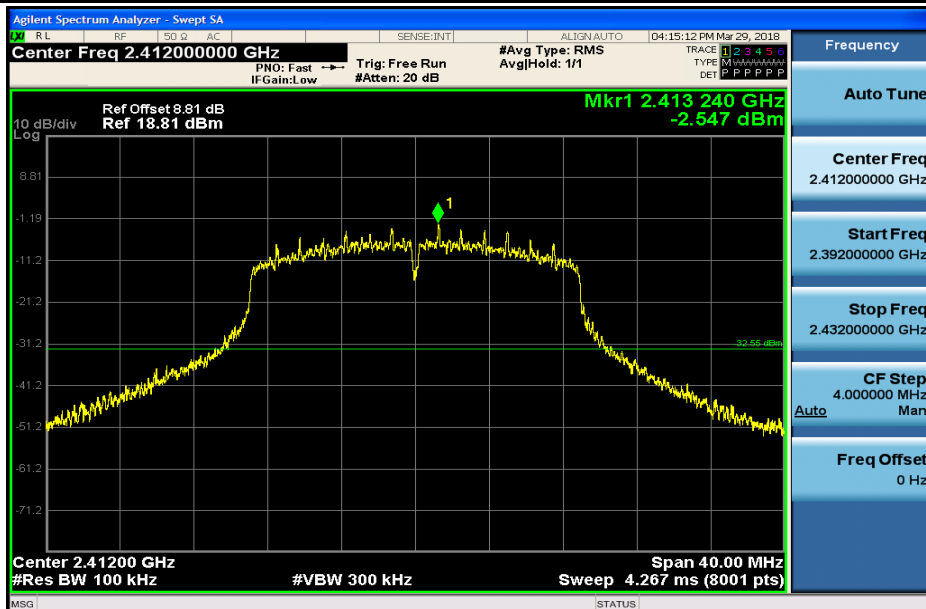
## RF Conducted Spurious Emissions\_11G\_2437



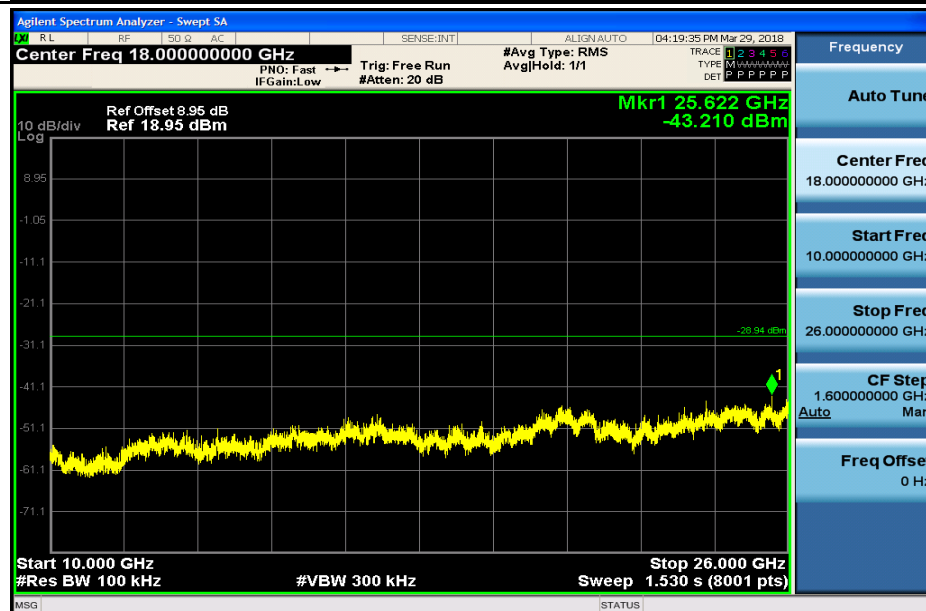
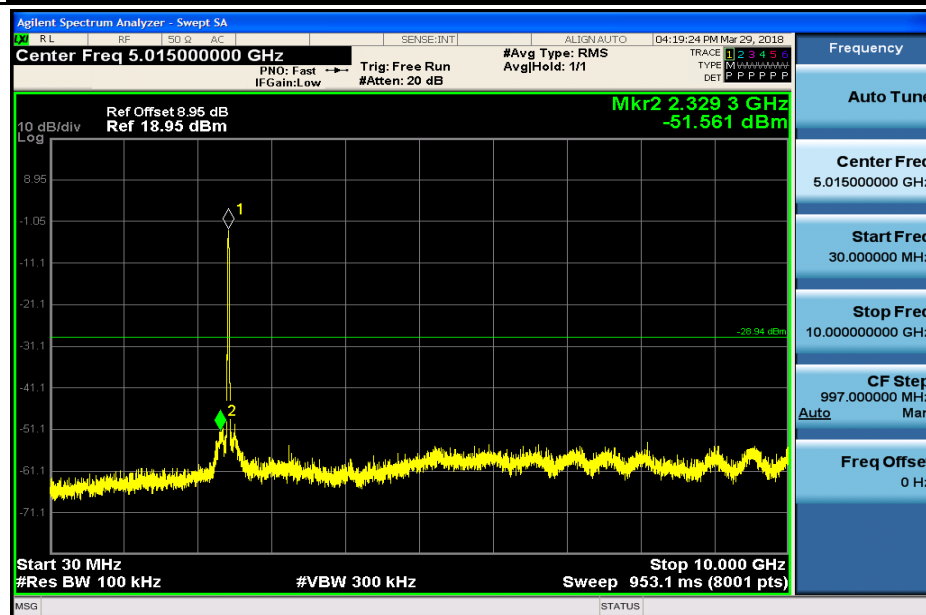
## RF Conducted Spurious Emissions\_11G\_2462



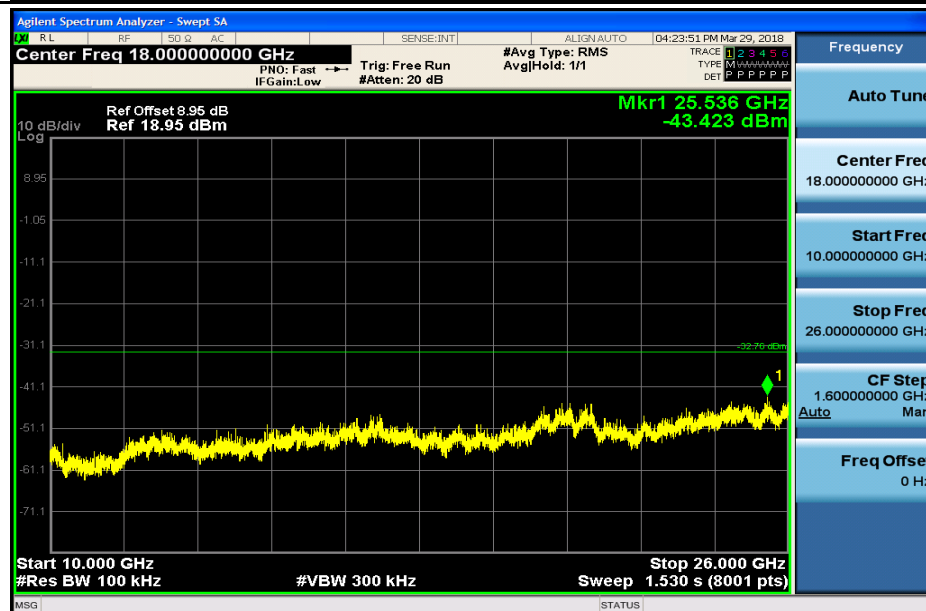
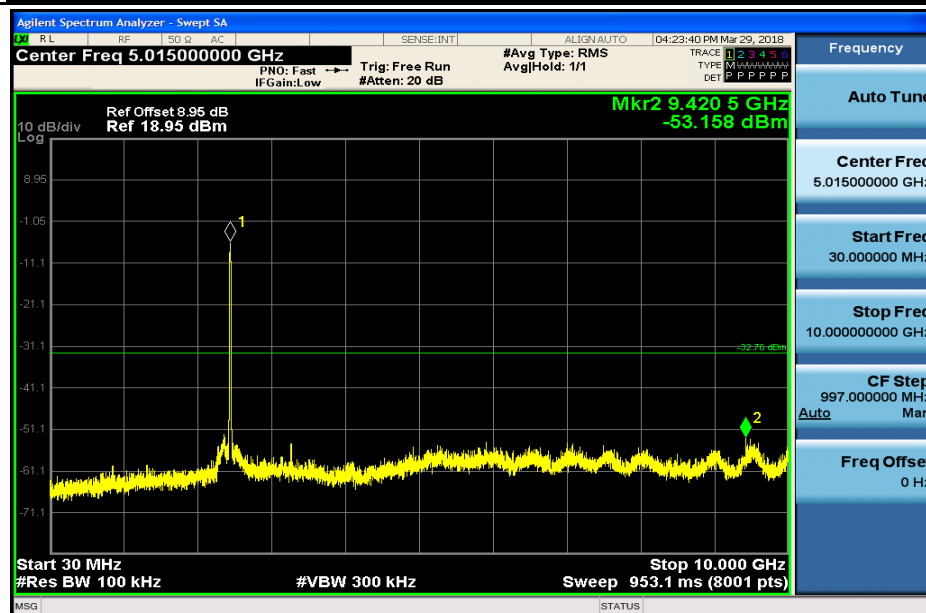
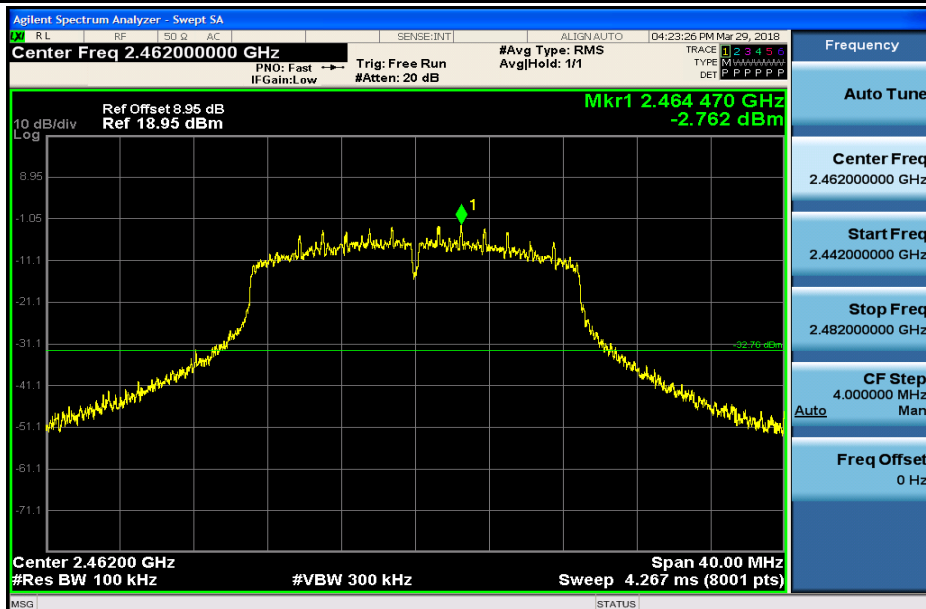
## RF Conducted Spurious Emissions\_11N20SISO\_2412



## RF Conducted Spurious Emissions\_11N20SISO\_2437



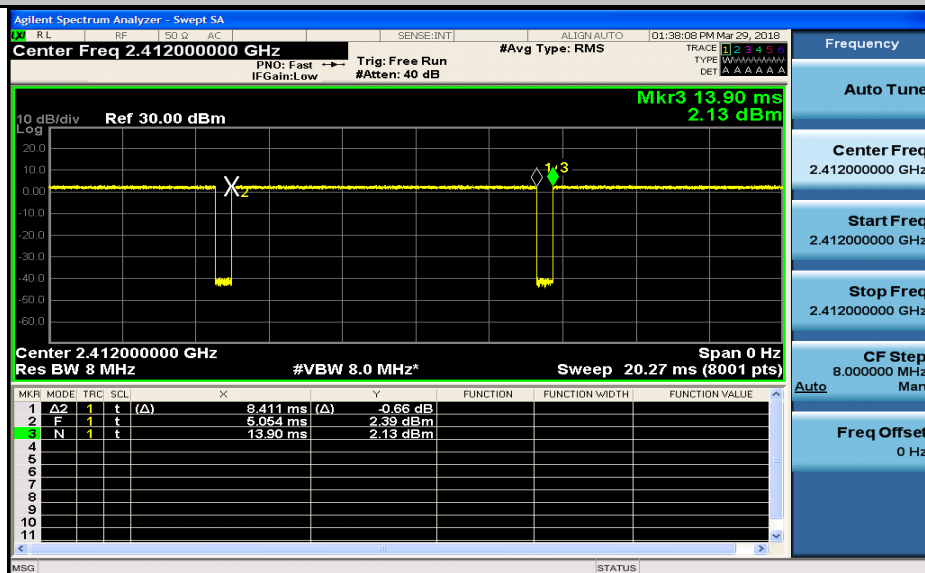
RF Conducted Spurious Emissions\_11N20SISO\_2462



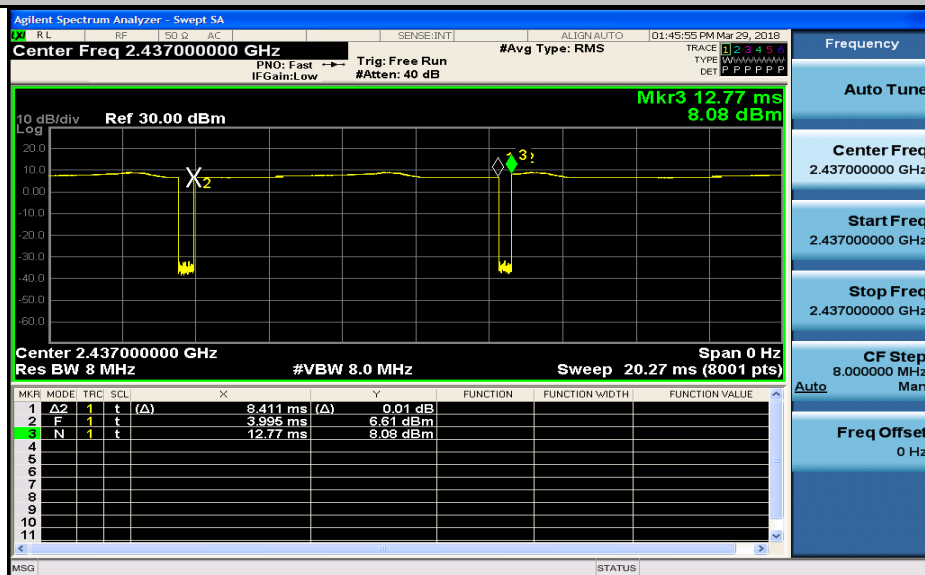
**7.Duty Cycle**

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	95.05	0.22
11B	2437	Ant1	95.82	0.19
11B	2462	Ant1	95.93	0.18
11G	2412	Ant1	85.38	0.69
11G	2437	Ant1	91.04	0.41
11G	2462	Ant1	91.04	0.41
11N20SISO	2412	Ant1	88.77	0.52
11N20SISO	2437	Ant1	89.24	0.49
11N20SISO	2462	Ant1	85.10	0.70

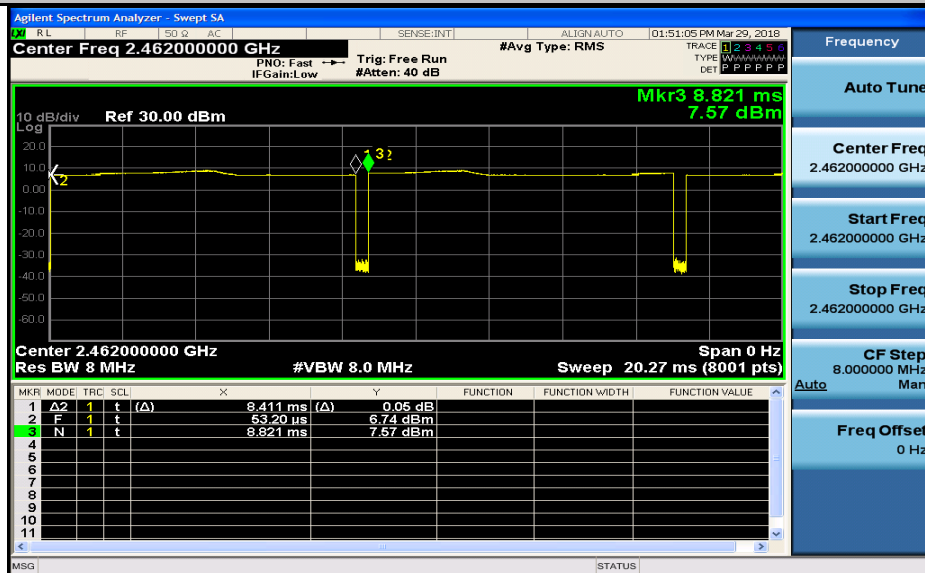
## Duty Cycle\_11B\_2412\_Ant1



## Duty Cycle\_11B\_2437\_Ant1

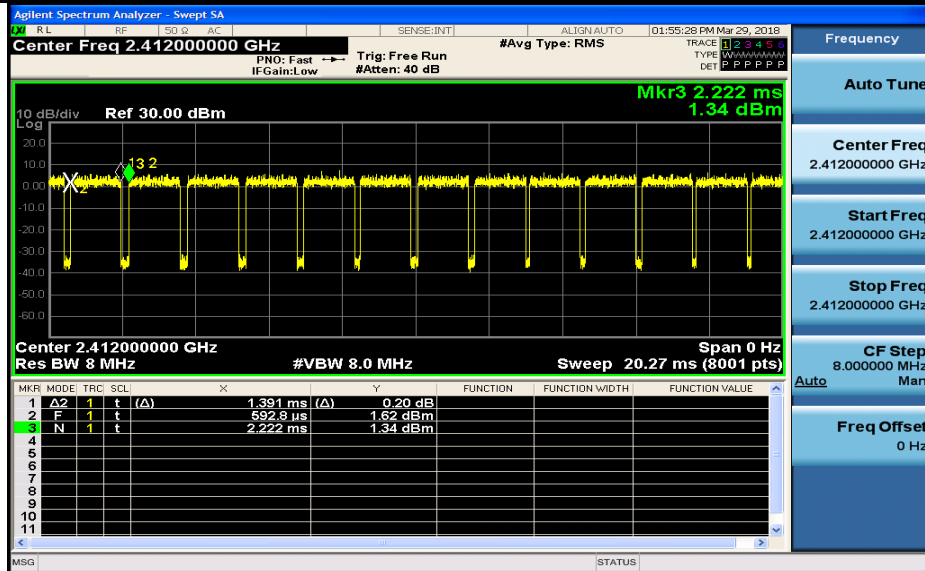


## Duty Cycle\_11B\_2462\_Ant1

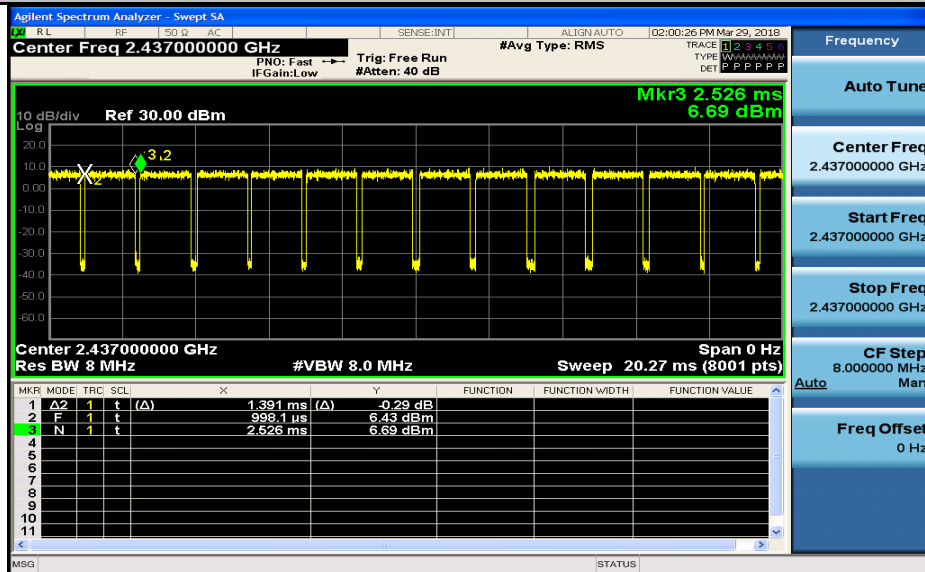




## Duty Cycle\_11G\_2412\_Ant1



## Duty Cycle\_11G\_2437\_Ant1



## Duty Cycle\_11G\_2462\_Ant1

