

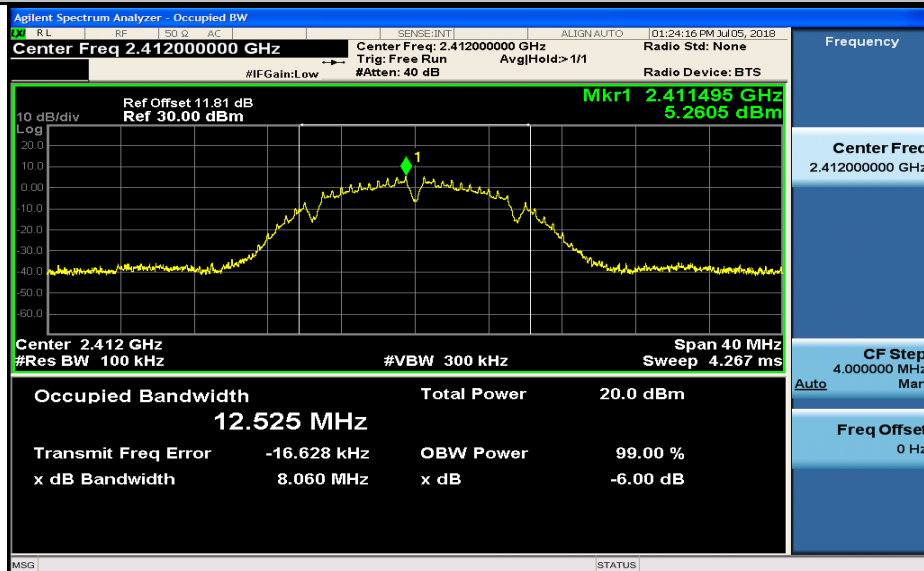


Appendix A for SHEM180700536901

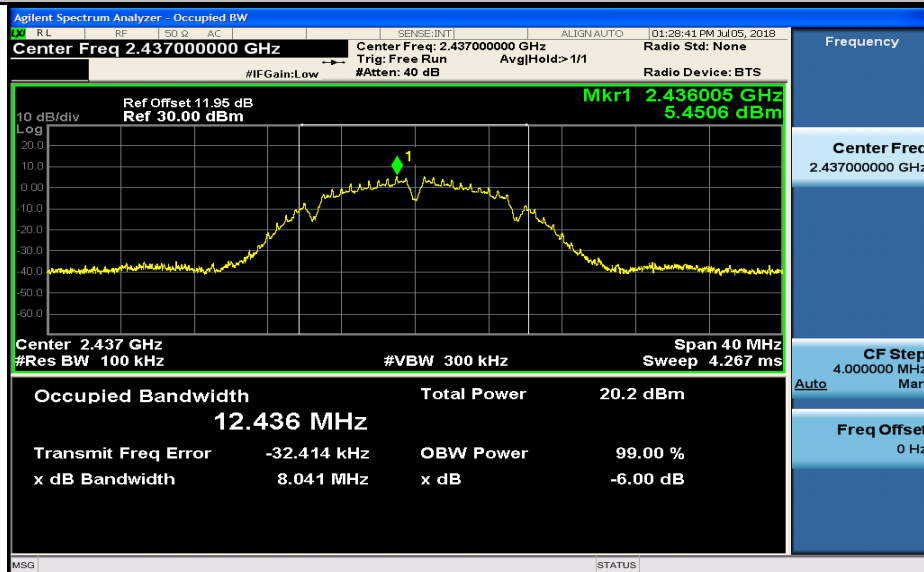
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	8.06	0.5	PASS
11B	2437	Ant1	8.04	0.5	PASS
11B	2462	Ant1	8.06	0.5	PASS
11G	2412	Ant1	15.10	0.5	PASS
11G	2437	Ant1	14.77	0.5	PASS
11G	2462	Ant1	14.78	0.5	PASS
11N20SISO	2412	Ant1	15.11	0.5	PASS
11N20SISO	2437	Ant1	15.11	0.5	PASS
11N20SISO	2462	Ant1	15.10	0.5	PASS

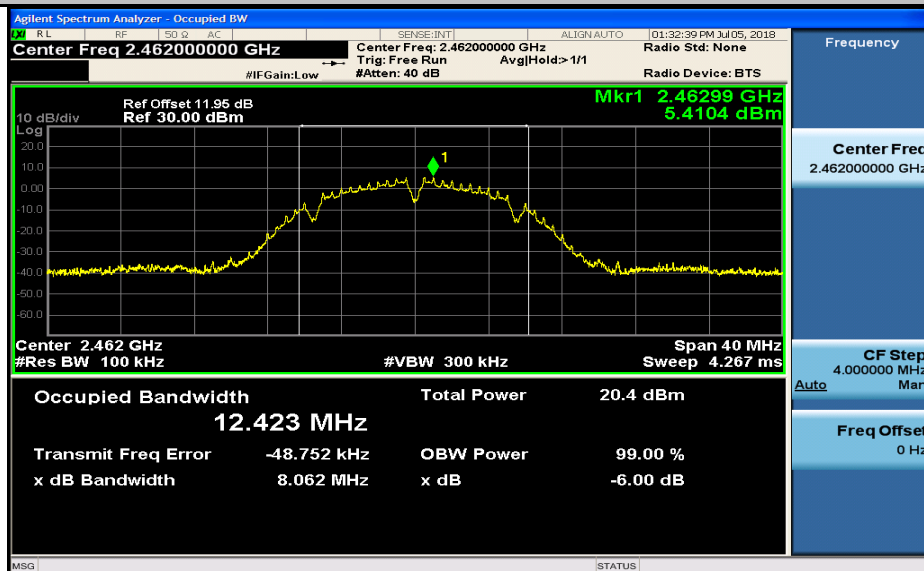
### 6dB Bandwidth\_11B\_2412\_Ant1



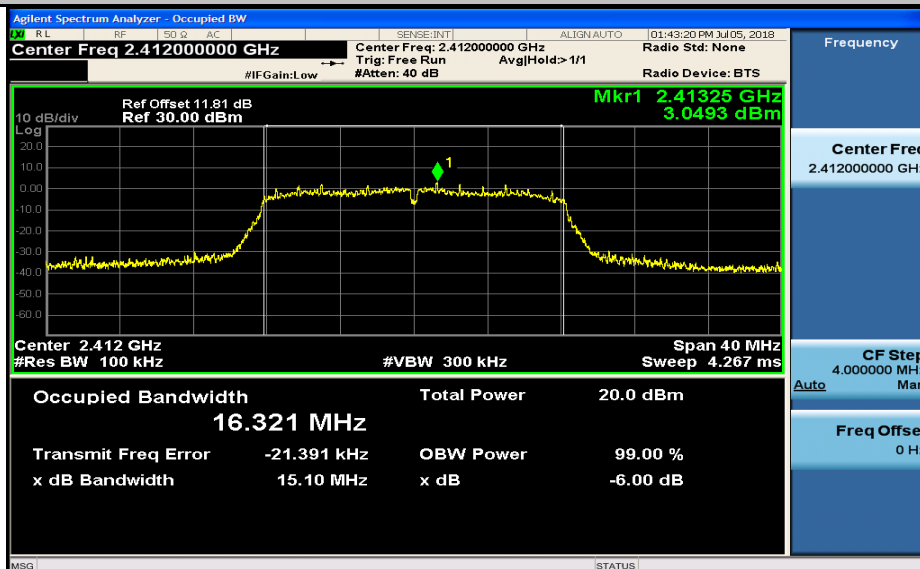
### 6dB Bandwidth\_11B\_2437\_Ant1



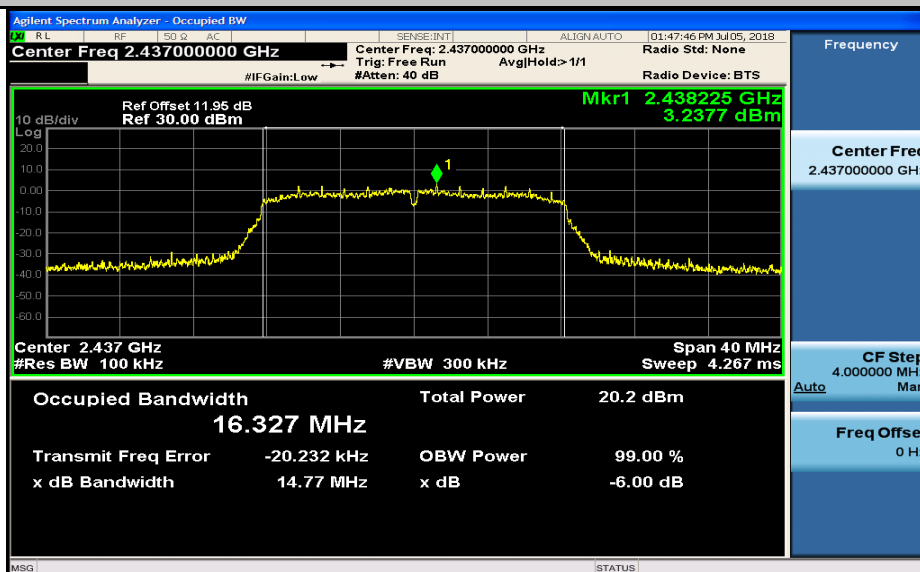
### 6dB Bandwidth\_11B\_2462\_Ant1



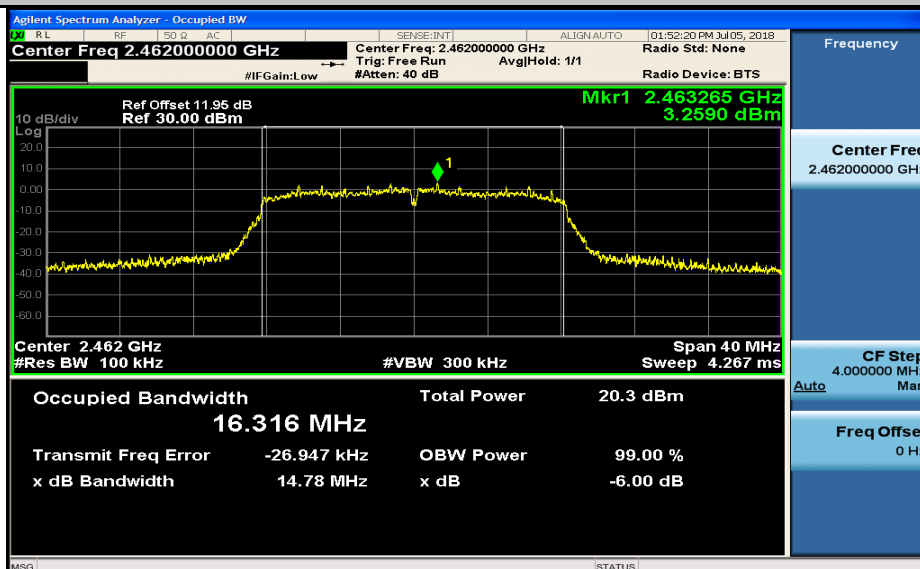
6dB Bandwidth\_11G\_2412\_Ant1



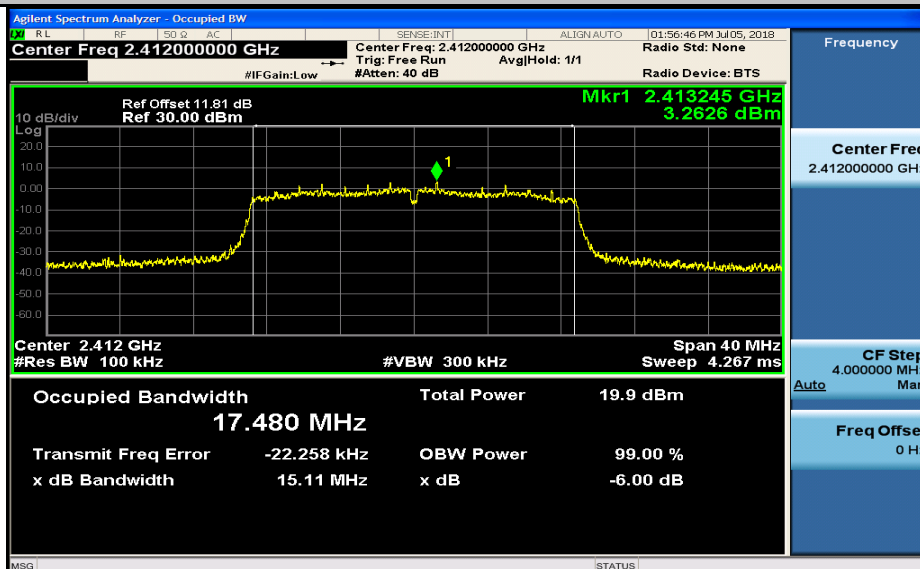
6dB Bandwidth\_11G\_2437\_Ant1



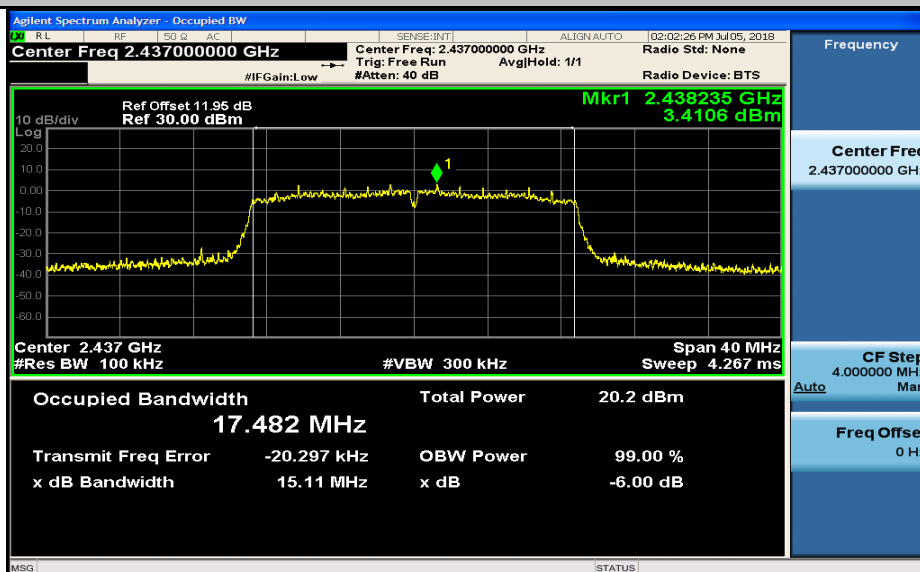
6dB Bandwidth\_11G\_2462\_Ant1



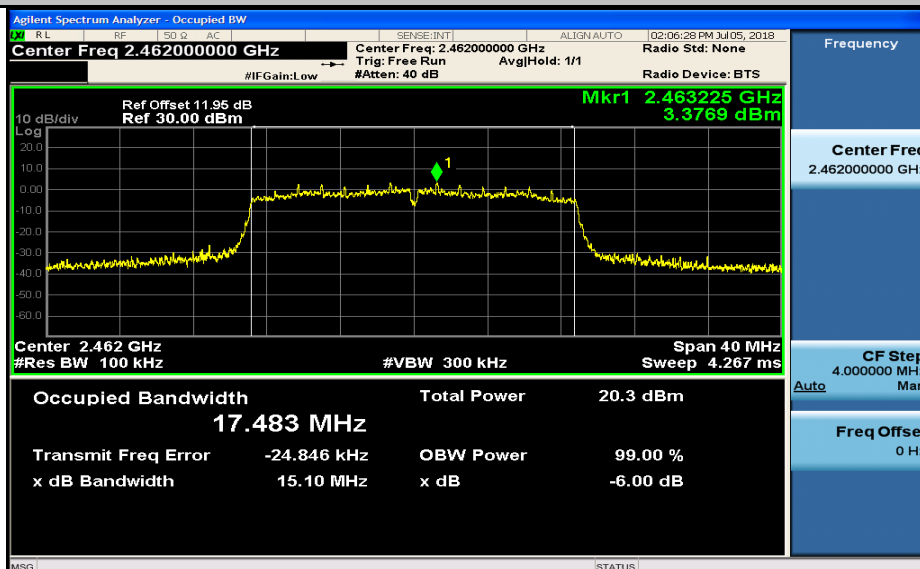
6dB Bandwidth\_11N20SISO\_2412\_Ant1



6dB Bandwidth\_11N20SISO\_2437\_Ant1



6dB Bandwidth\_11N20SISO\_2462\_Ant1

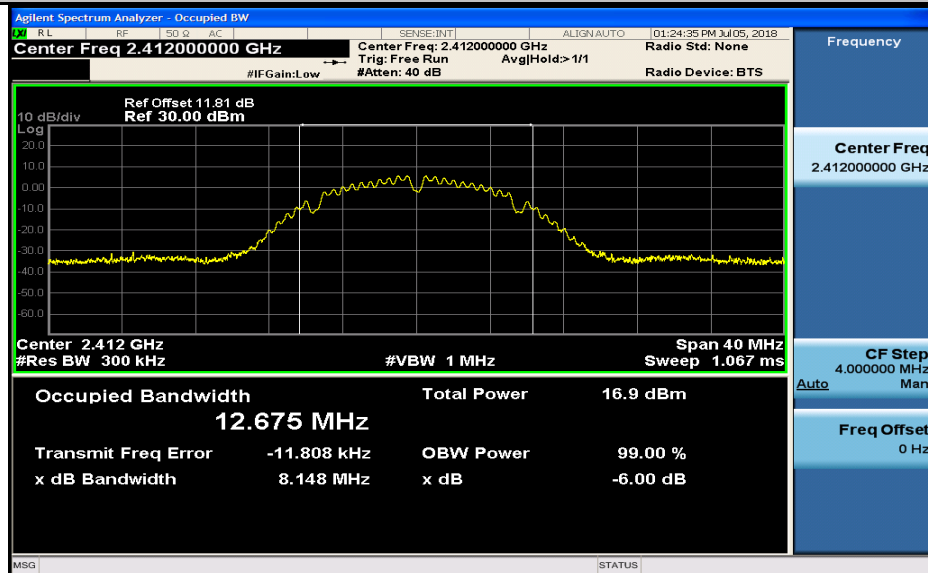




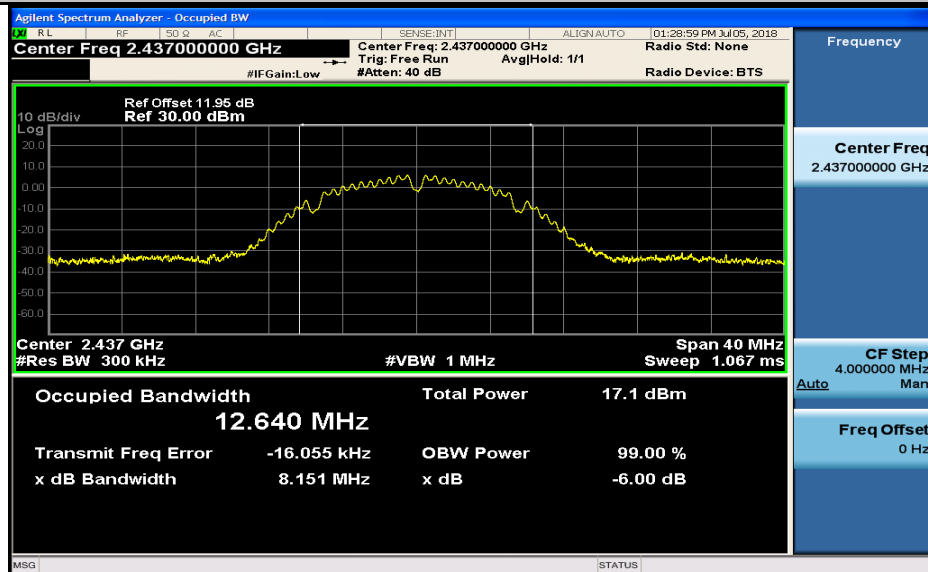
## 2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	12.68	---	PASS
11B	2437	Ant1	12.64	---	PASS
11B	2462	Ant1	12.58	---	PASS
11G	2412	Ant1	16.50	---	PASS
11G	2437	Ant1	16.51	---	PASS
11G	2462	Ant1	16.48	---	PASS
11N20SISO	2412	Ant1	17.50	---	PASS
11N20SISO	2437	Ant1	17.50	---	PASS
11N20SISO	2462	Ant1	17.51	---	PASS

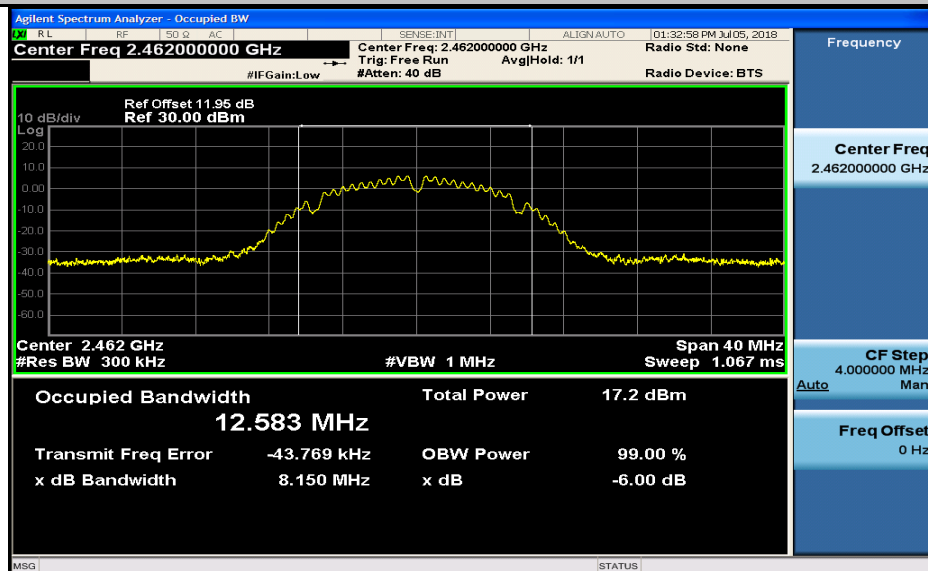
### Occupied Bandwidth\_11B\_2412



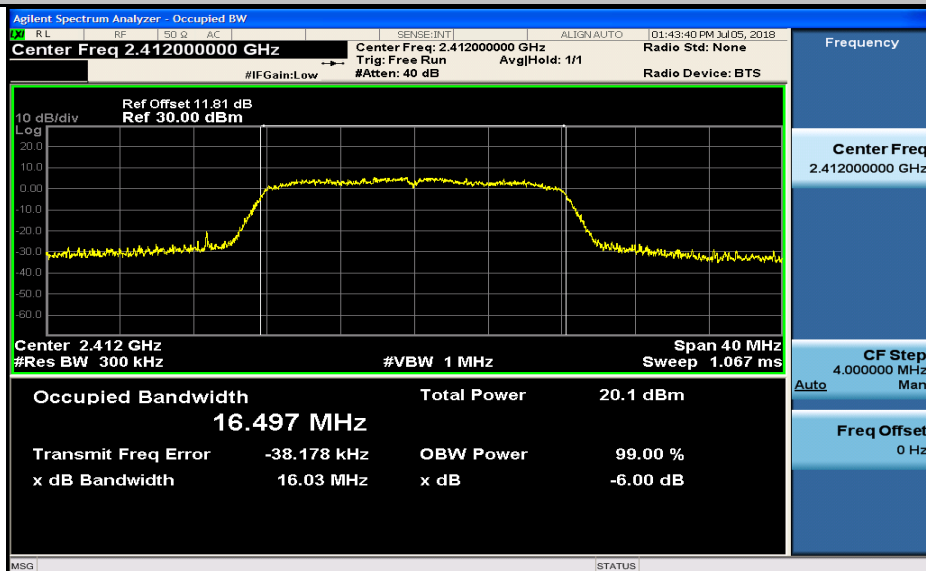
### Occupied Bandwidth\_11B\_2437



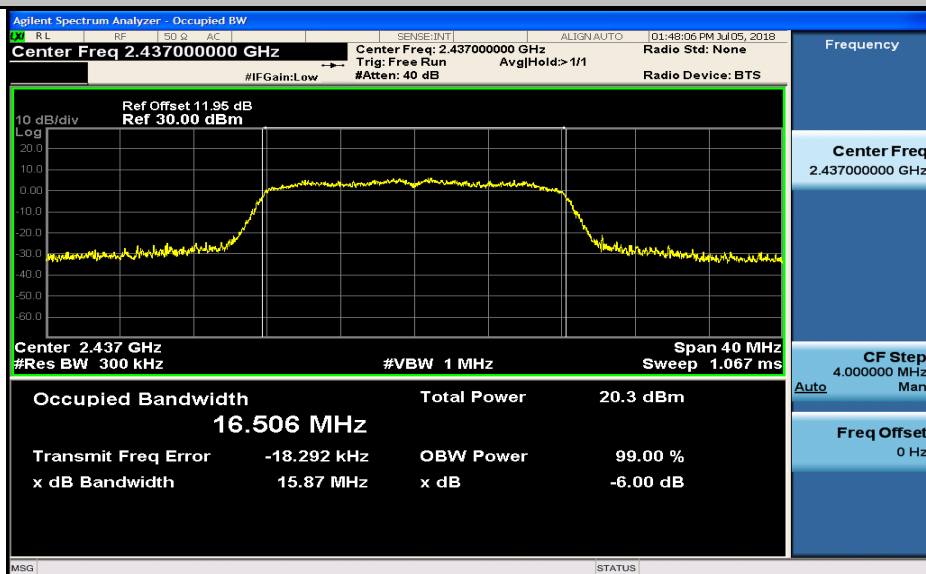
### Occupied Bandwidth\_11B\_2462



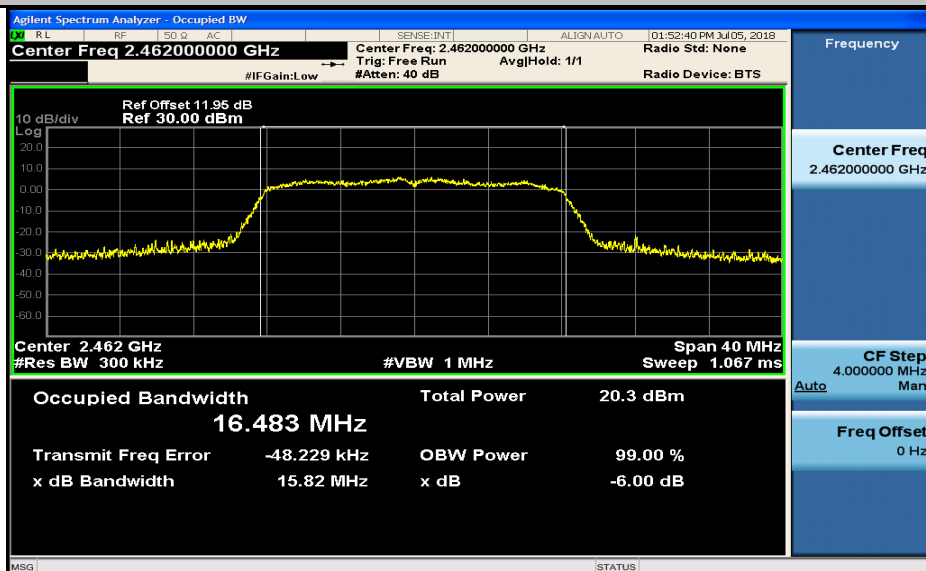
### Occupied Bandwidth\_11G\_2412



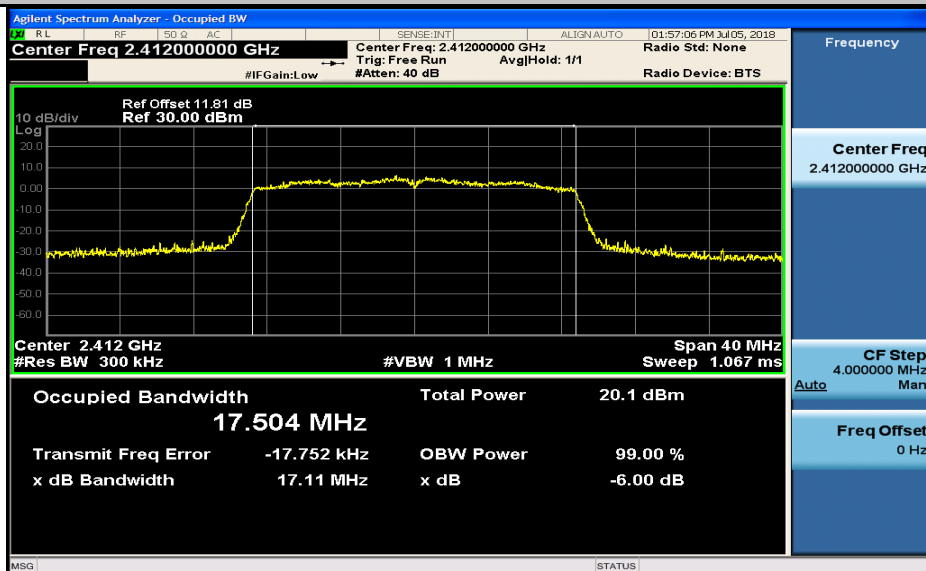
### Occupied Bandwidth\_11G\_2437



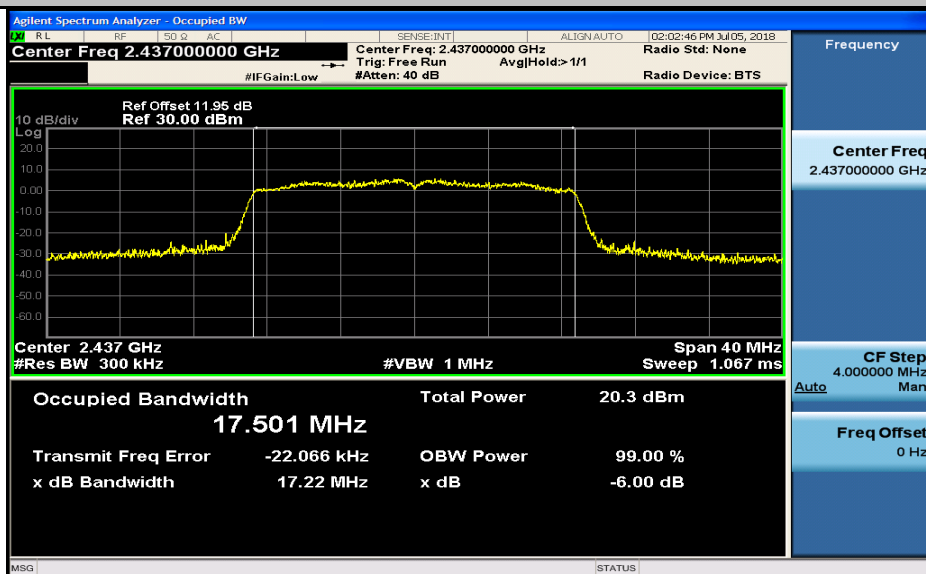
### Occupied Bandwidth\_11G\_2462



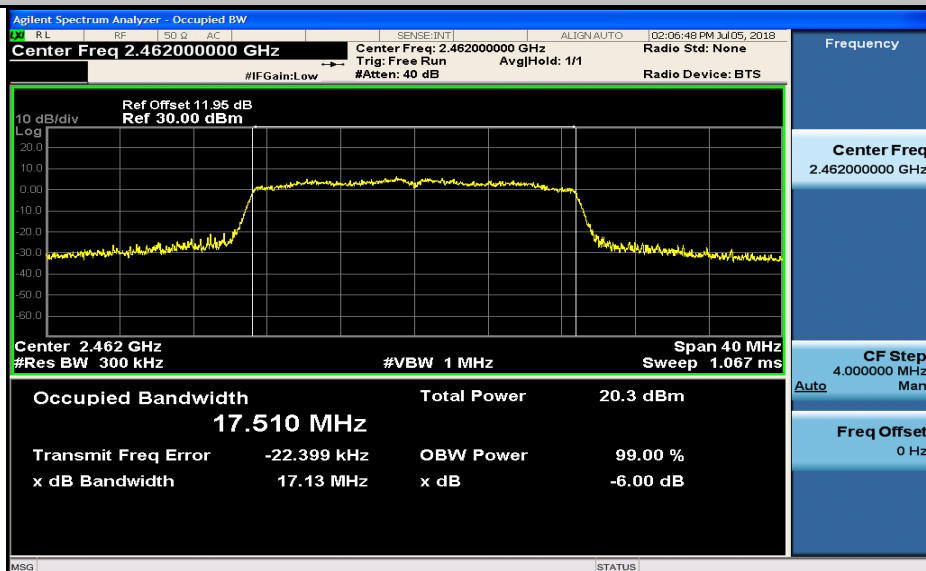
### Occupied Bandwidth\_11N20SISO\_2412



### Occupied Bandwidth\_11N20SISO\_2437



### Occupied Bandwidth\_11N20SISO\_2462



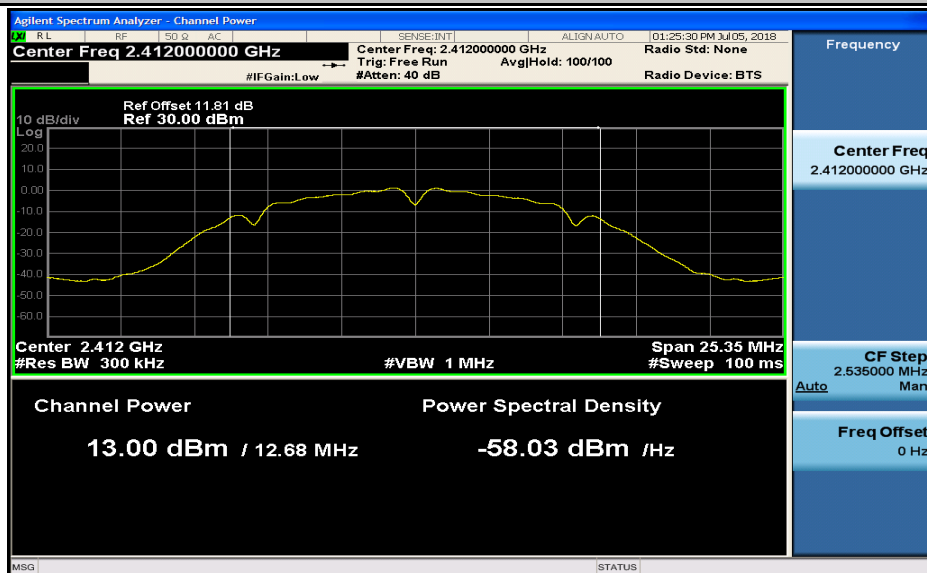




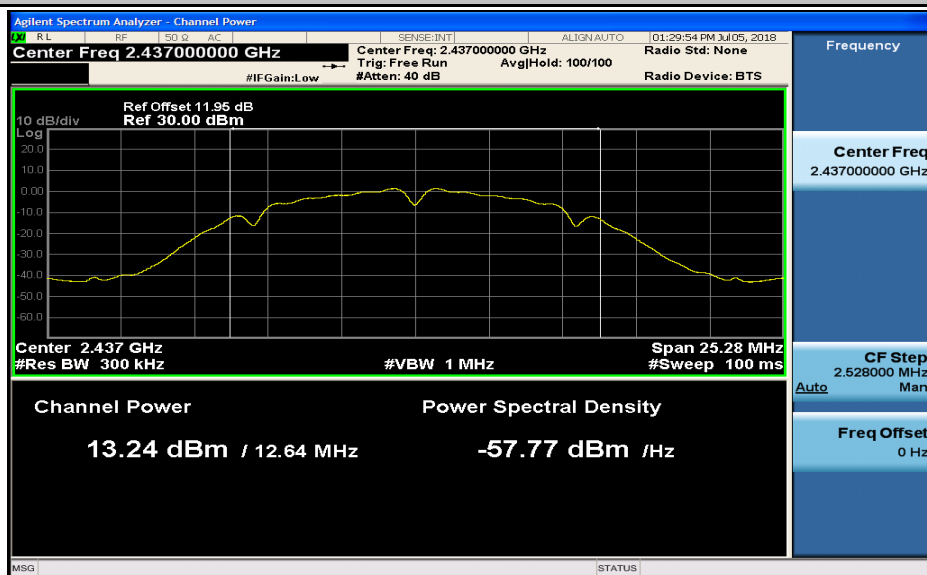
**3.Maximum conducted (average) output power**

Test Mode	Test Channel	Ant	Level [dBm]	10log(1/x) Factor[dB]	Power [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	13	0.04	13.04	30	PASS
11B	2437	Ant1	13.24	0.04	13.28	30	PASS
11B	2462	Ant1	13.39	0.03	13.43	30	PASS
11G	2412	Ant1	13.46	0.22	13.68	30	PASS
11G	2437	Ant1	13.65	0.21	13.87	30	PASS
11G	2462	Ant1	13.74	0.21	13.95	30	PASS
11N20SISO	2412	Ant1	13.37	0.23	13.60	30	PASS
11N20SISO	2437	Ant1	13.54	0.23	13.78	30	PASS
11N20SISO	2462	Ant1	13.64	0.23	13.87	30	PASS

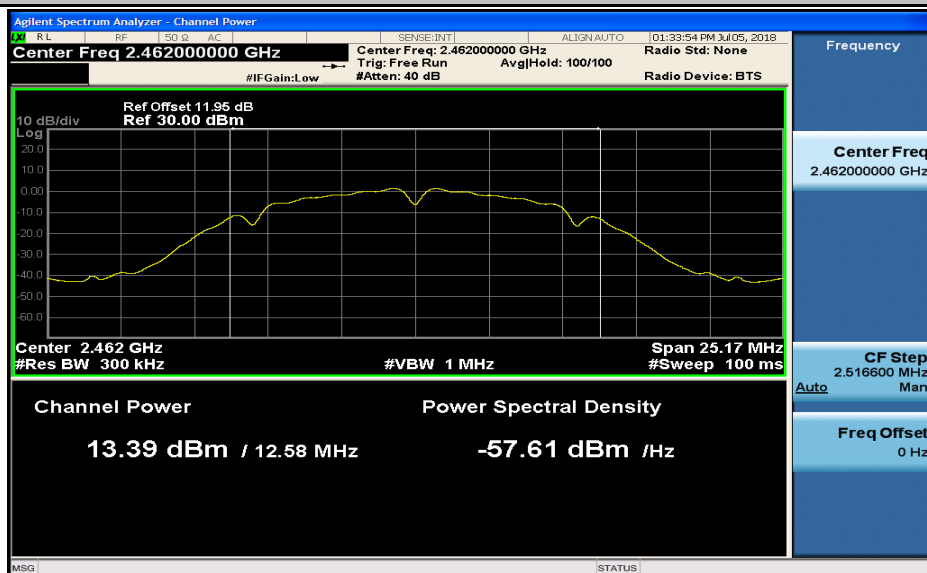
Maximum conducted (average) output power\_11B\_2412\_Ant1



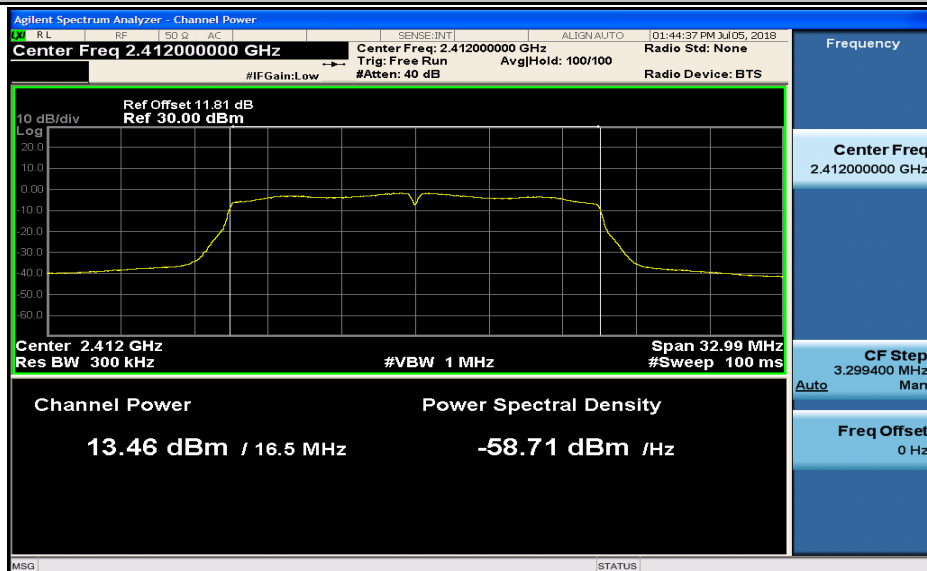
Maximum conducted (average) output power\_11B\_2437\_Ant1



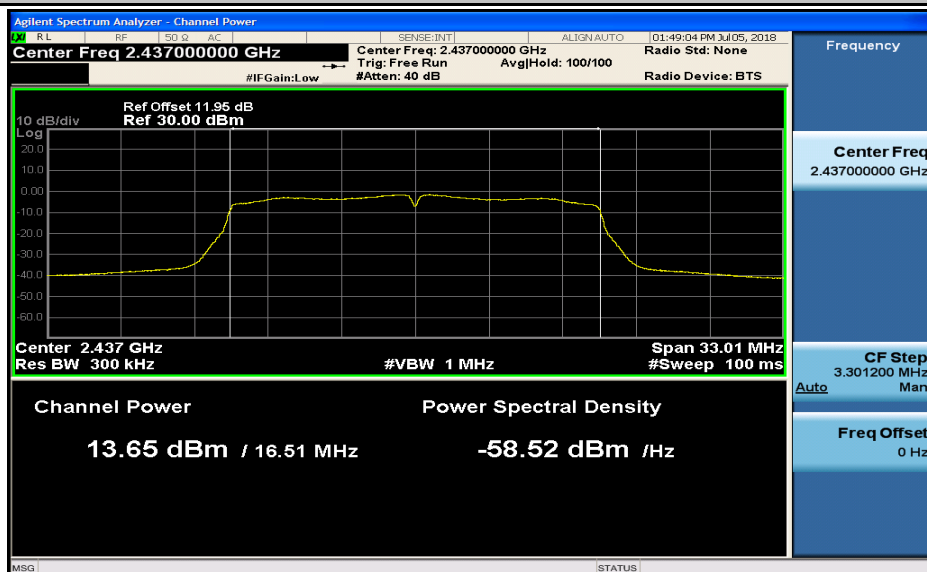
Maximum conducted (average) output power\_11B\_2462\_Ant1



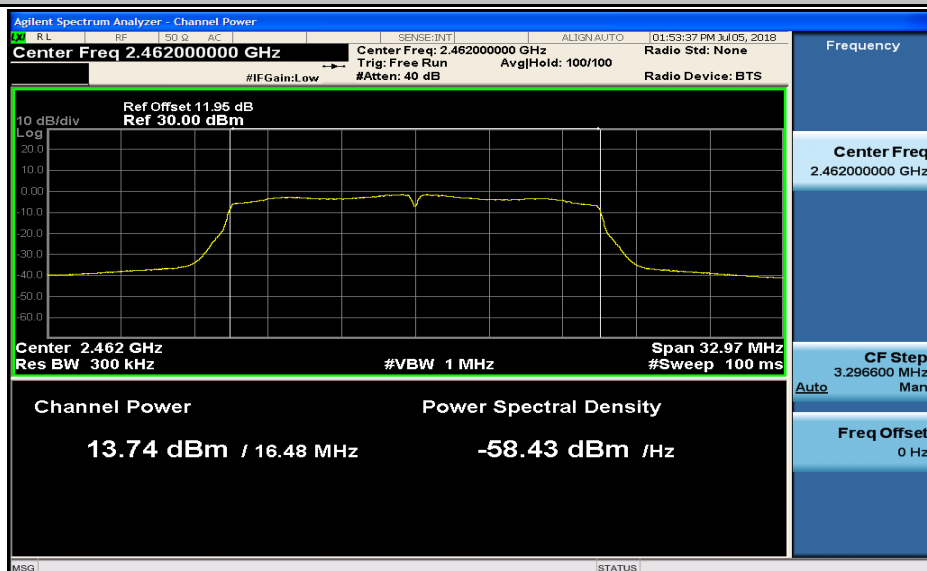
## Maximum conducted (average) output power\_11G\_2412\_Ant1



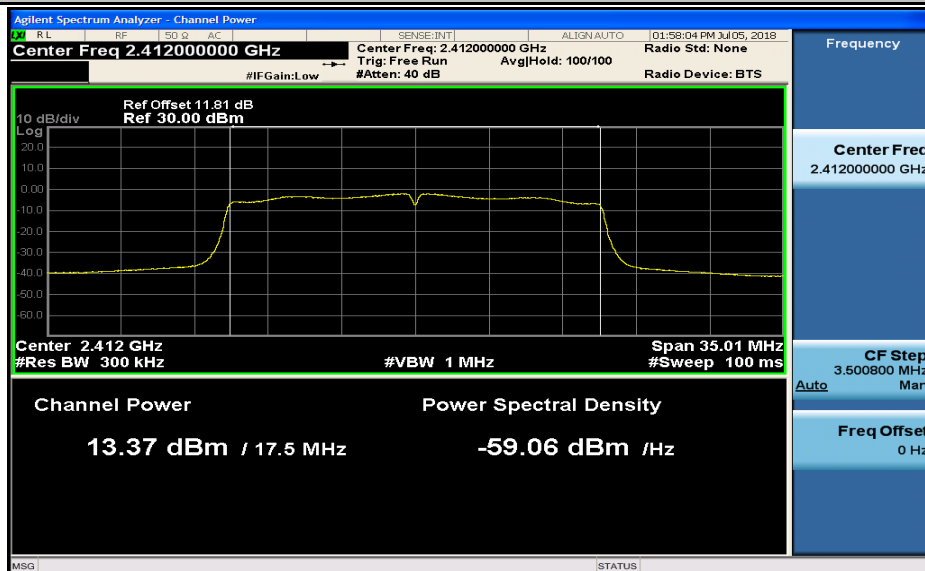
## Maximum conducted (average) output power\_11G\_2437\_Ant1



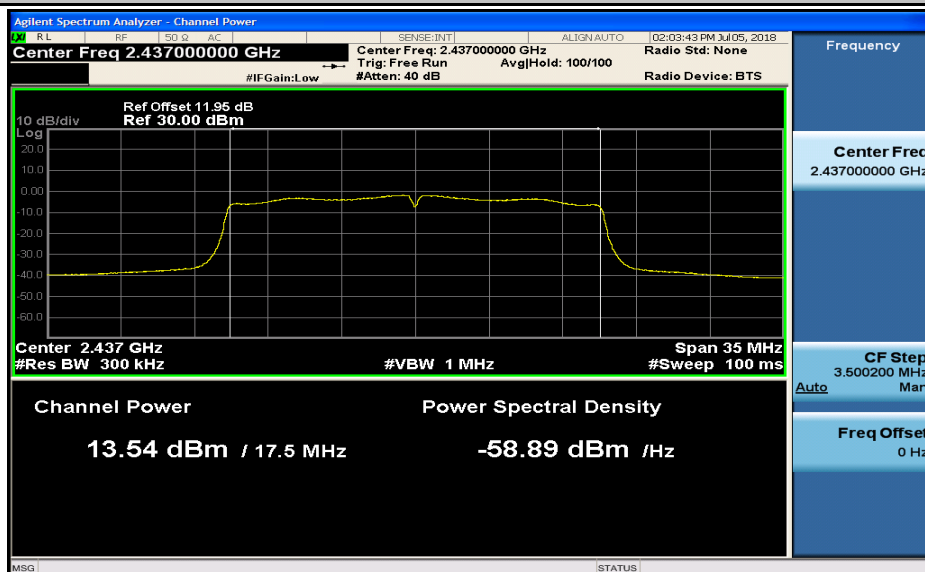
## Maximum conducted (average) output power\_11G\_2462\_Ant1



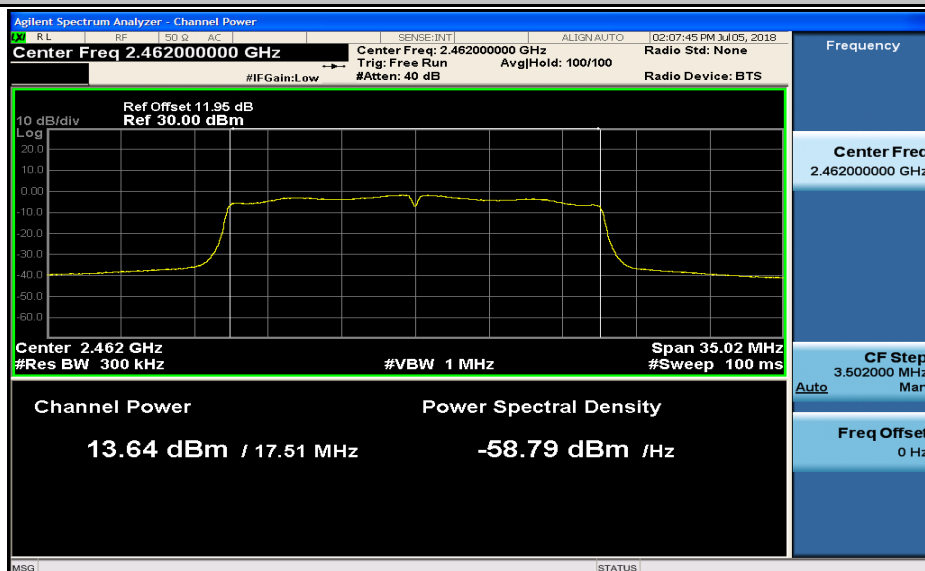
Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



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



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





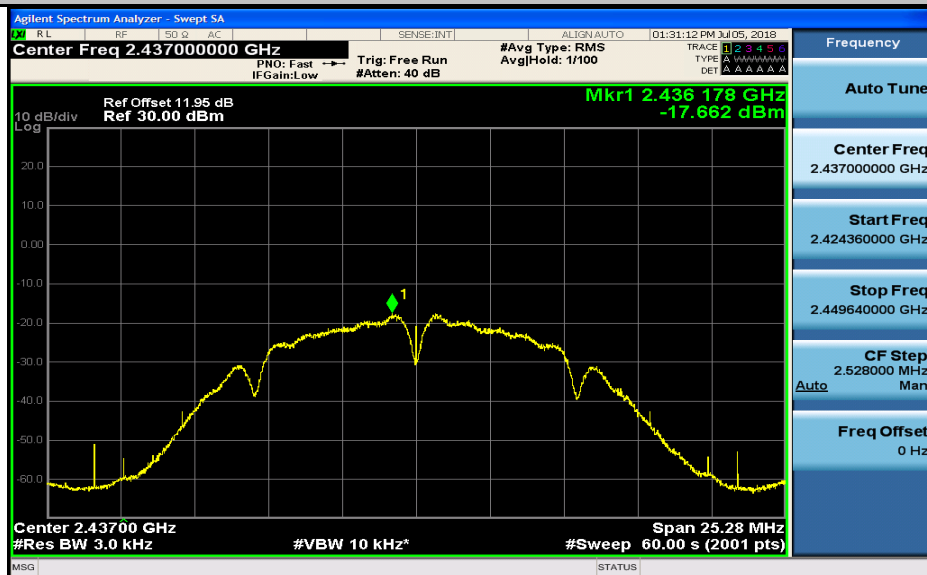
**4.Maximum(average) power spectral density**

Test Mode	Test Channel	Ant	Level [dBm/3kHz]	10log(1/x) Factor[dB]	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-18.11	0.04	-18.07	8.00	PASS
11B	2437	Ant1	-17.66	0.04	-17.62	8.00	PASS
11B	2462	Ant1	-17.64	0.03	-17.61	8.00	PASS
11G	2412	Ant1	-19.54	0.22	-19.32	8.00	PASS
11G	2437	Ant1	-19.53	0.21	-19.32	8.00	PASS
11G	2462	Ant1	-19.35	0.21	-19.14	8.00	PASS
11N20SISO	2412	Ant1	-19.75	0.23	-19.52	8.00	PASS
11N20SISO	2437	Ant1	-20.33	0.23	-20.10	8.00	PASS
11N20SISO	2462	Ant1	-19.94	0.23	-19.71	8.00	PASS

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



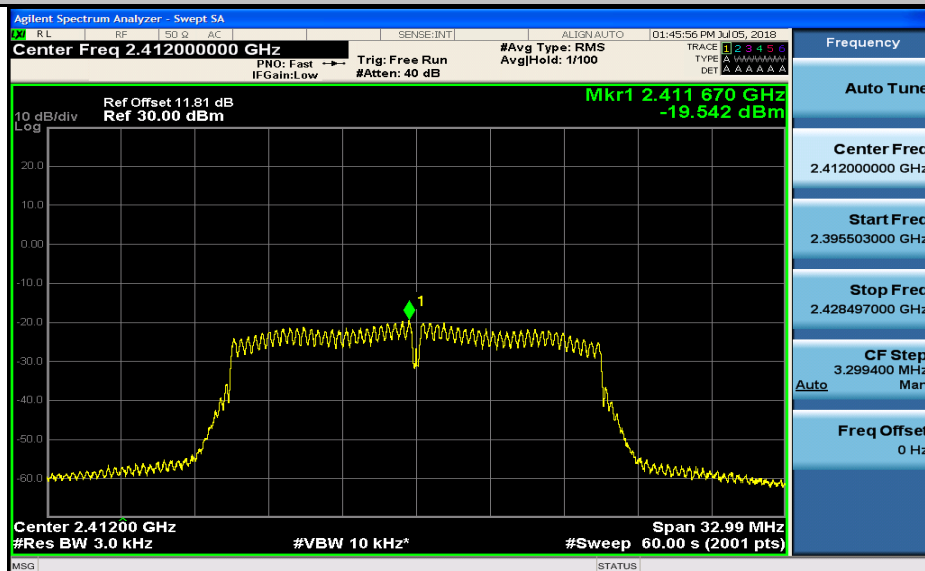
Maximum(average) power spectral density\_11B\_2437\_Ant1



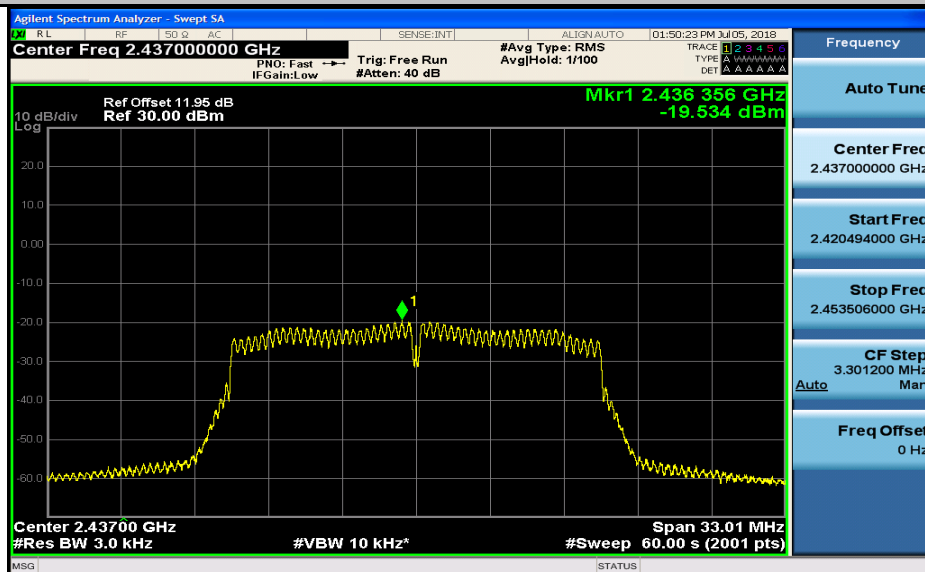
Maximum(average) power spectral density\_11B\_2462\_Ant1



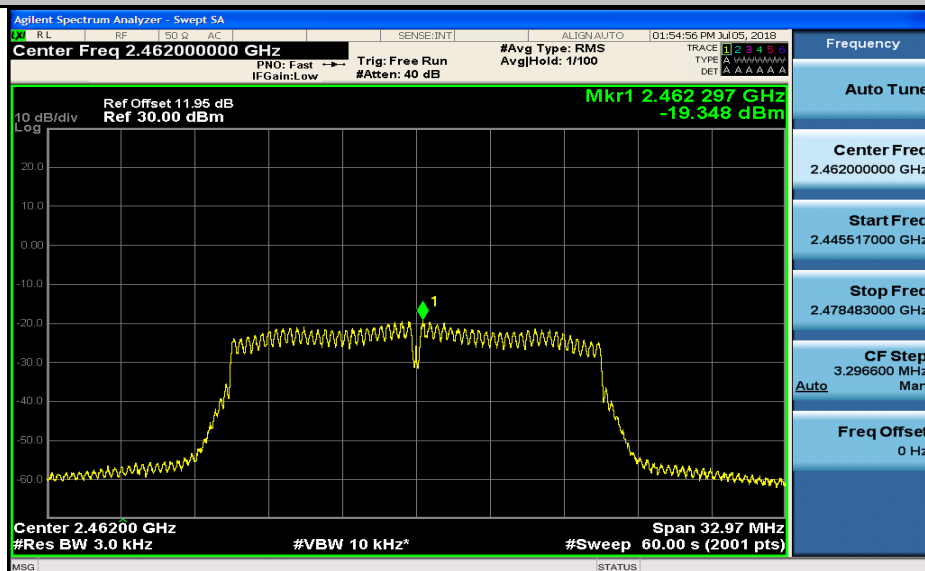
Maximum(average) power spectral density\_11G\_2412\_Ant1



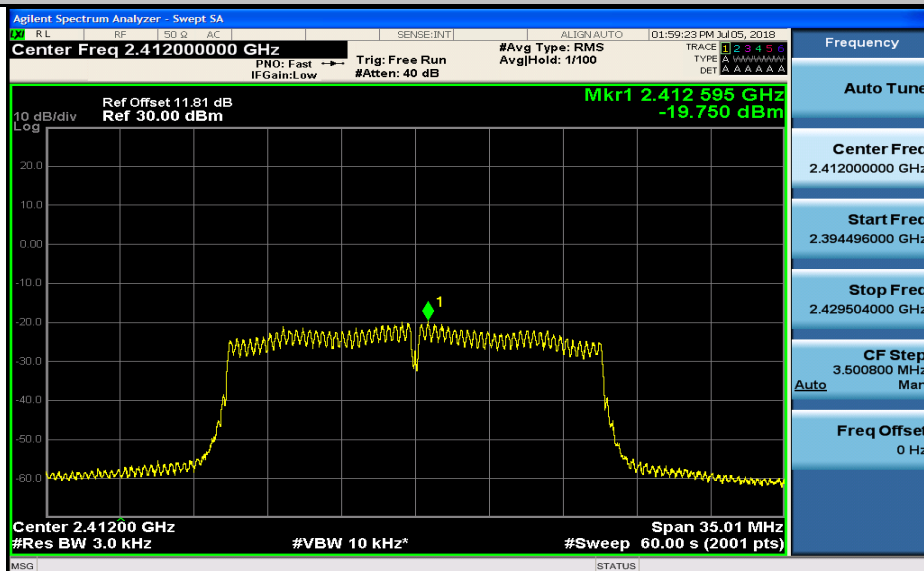
Maximum(average) power spectral density\_11G\_2437\_Ant1



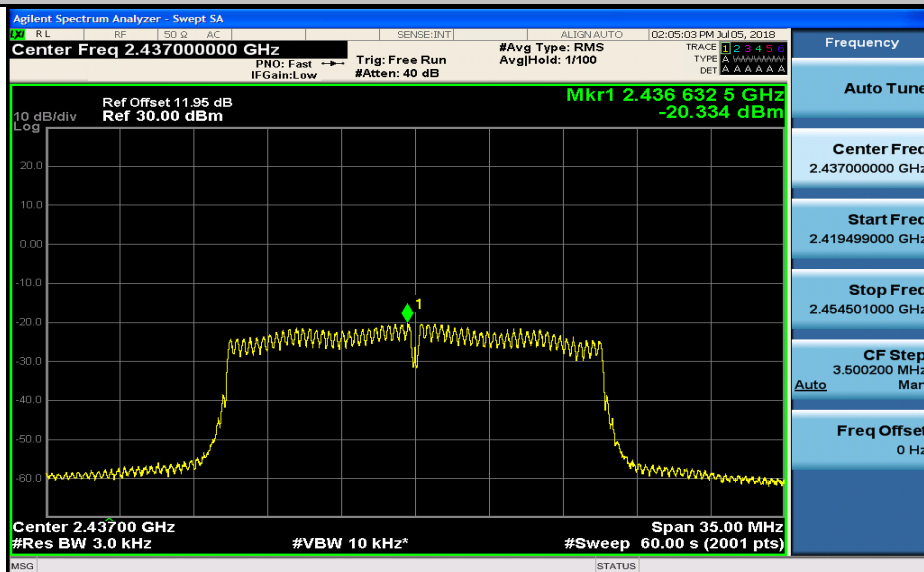
Maximum(average) power spectral density\_11G\_2462\_Ant1



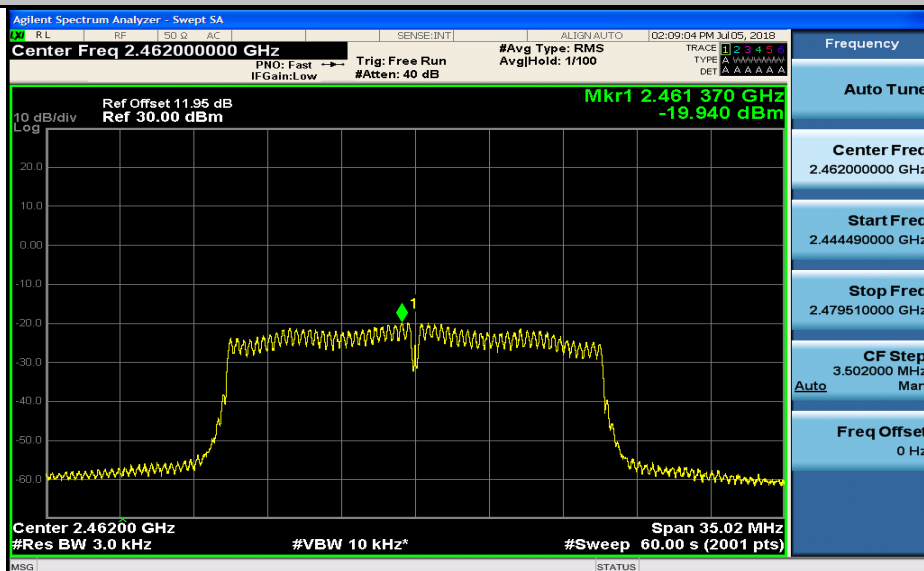
Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



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



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



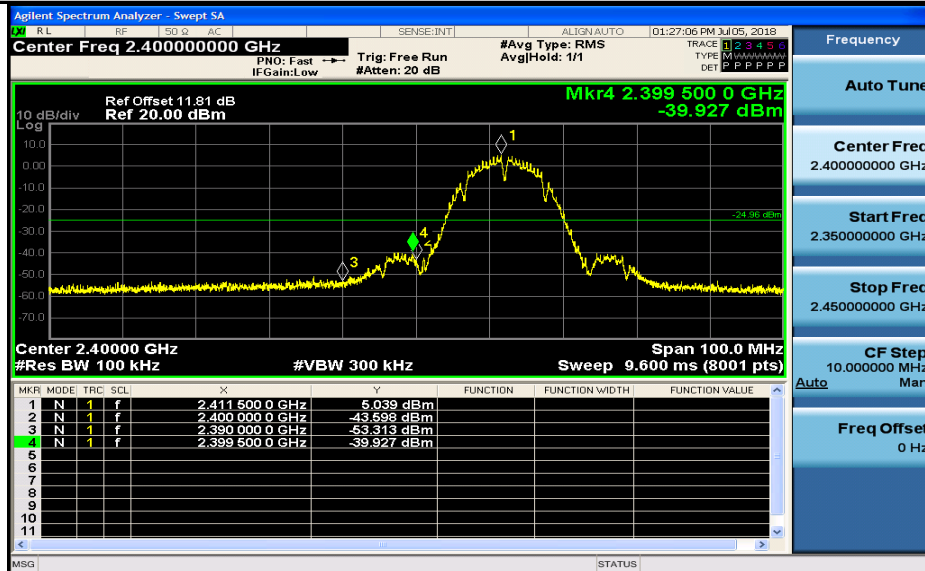




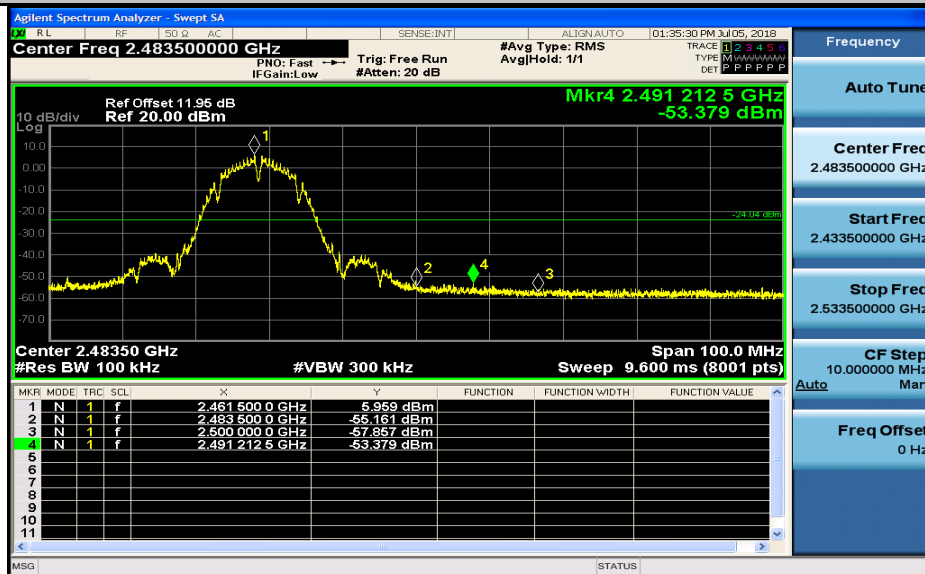
**5.Band-edge for RF Conducted Emissions**

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	5.04	-39.93	-24.96	PASS
11B	2462	Ant1	5.96	-53.38	-24.04	PASS
11G	2412	Ant1	2.32	-32.06	-27.68	PASS
11G	2462	Ant1	3.20	-42.95	-26.80	PASS
11N20SISO	2412	Ant1	2.77	-32.77	-27.23	PASS
11N20SISO	2462	Ant1	3.59	-40.44	-26.41	PASS

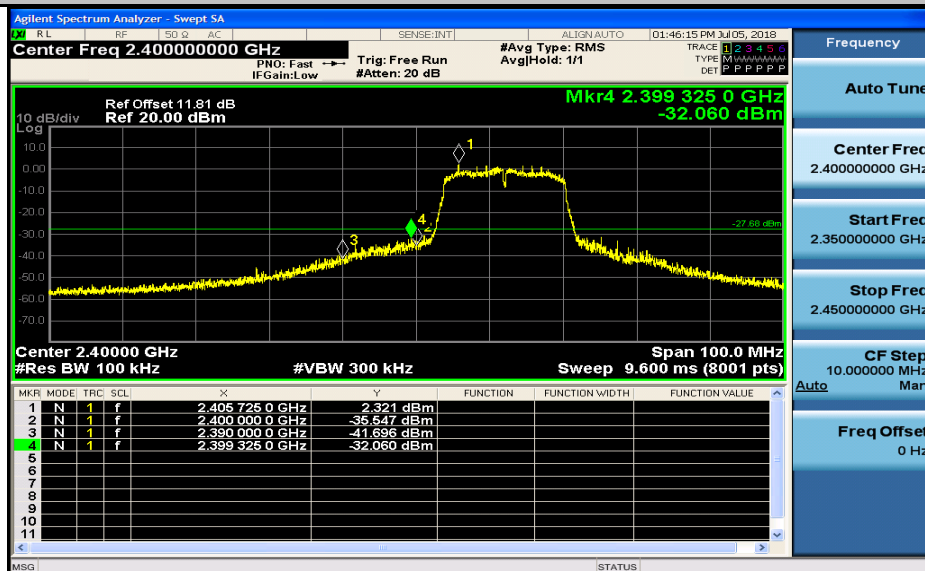
### Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



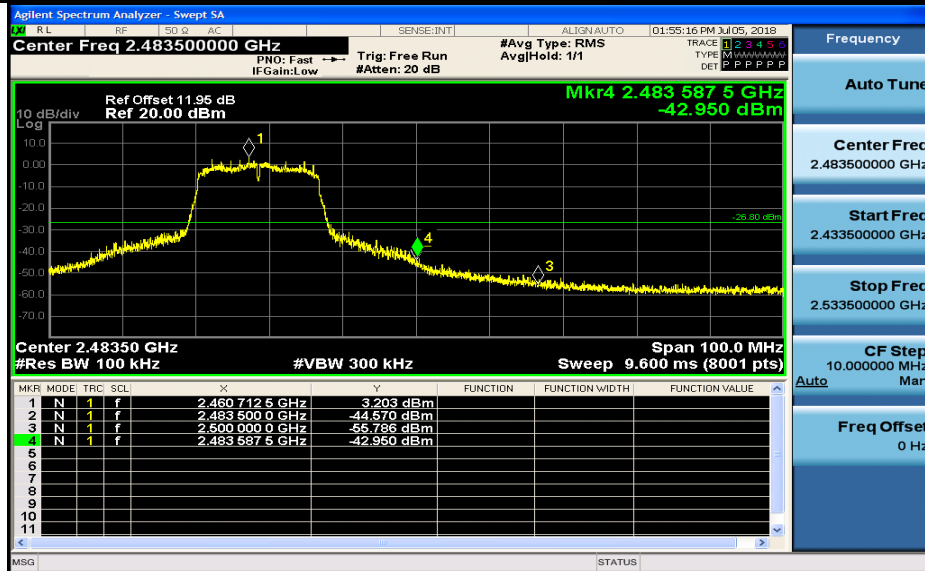
### Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



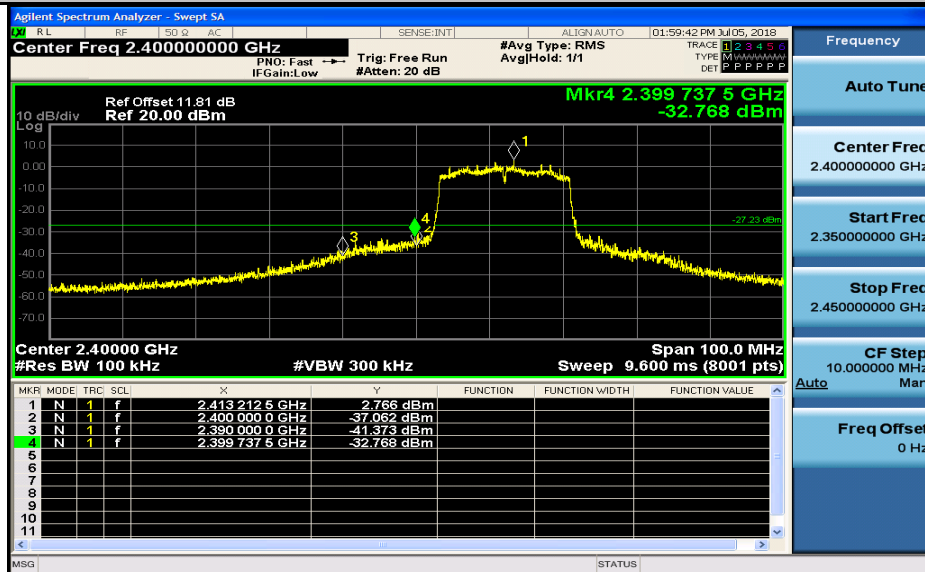
### Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



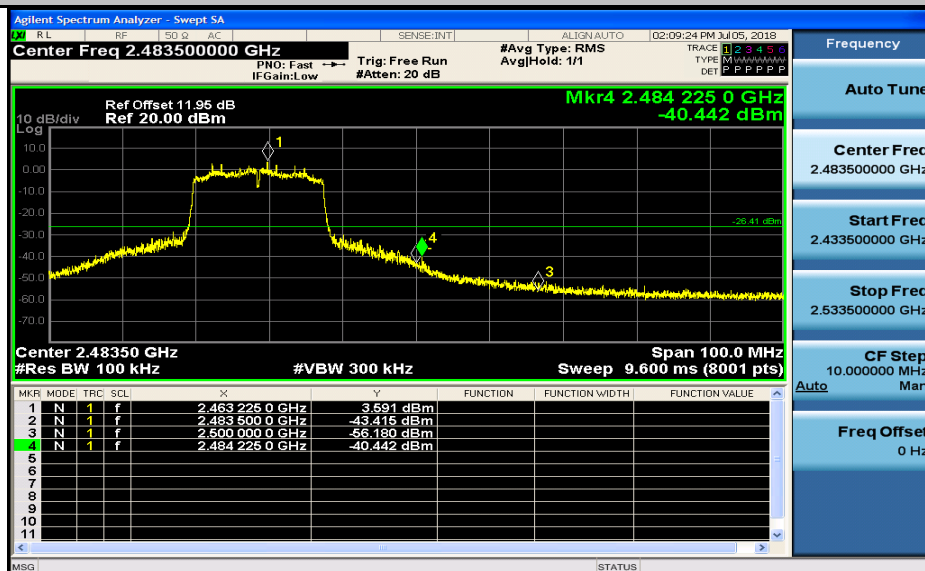
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



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



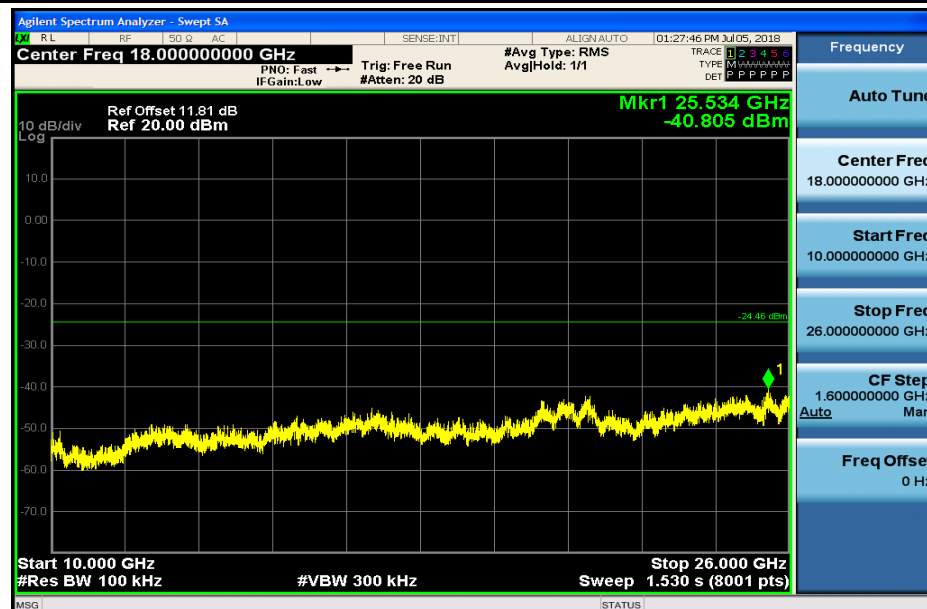
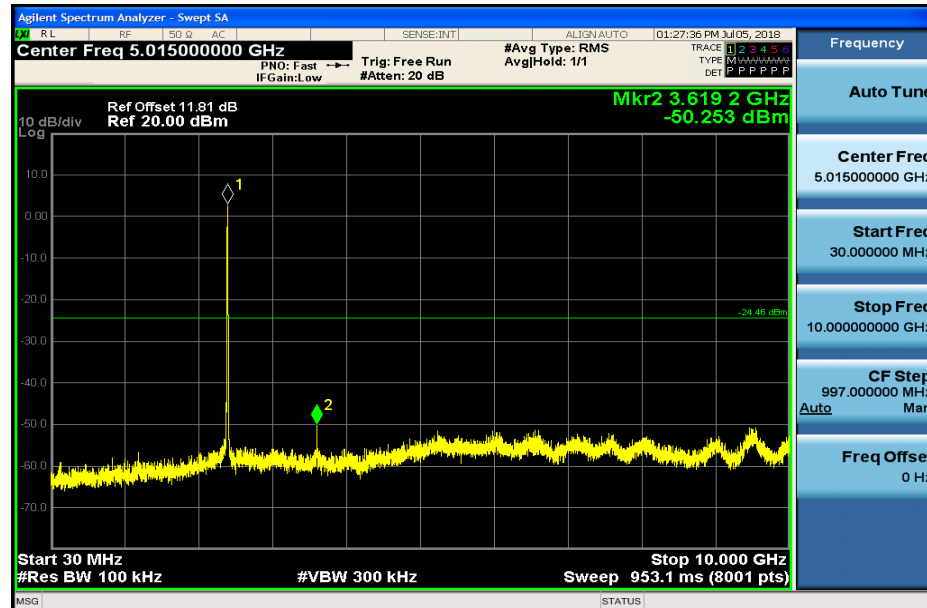
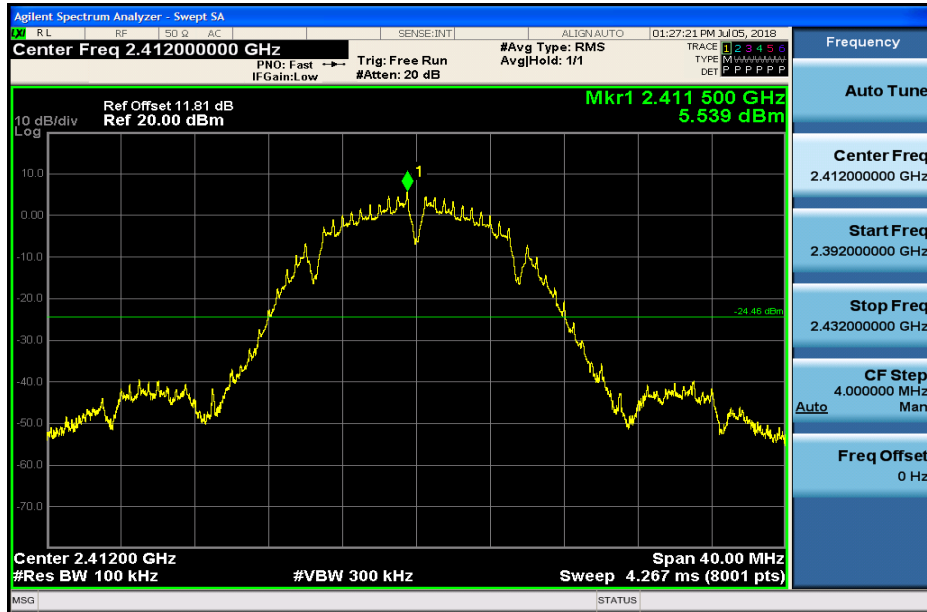
Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1



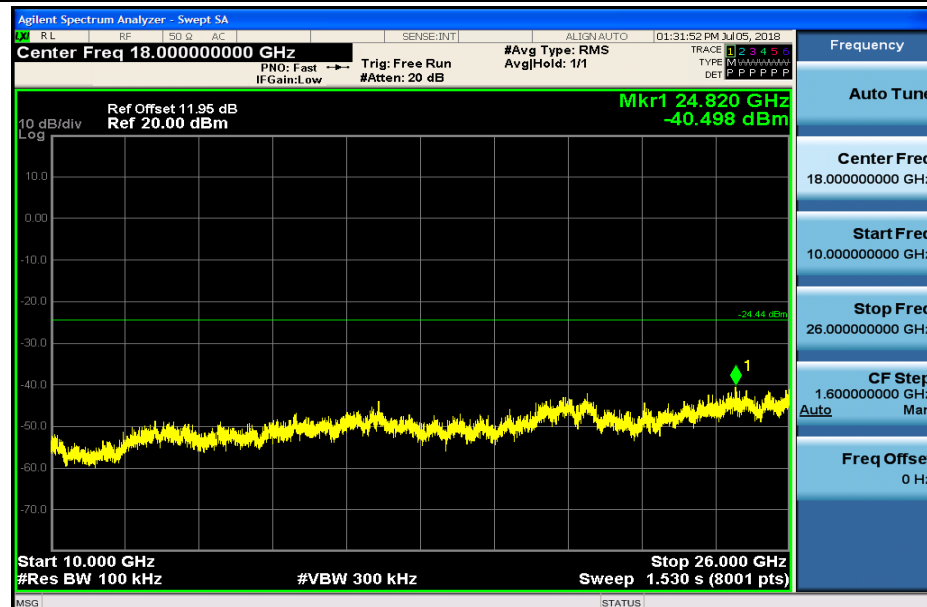
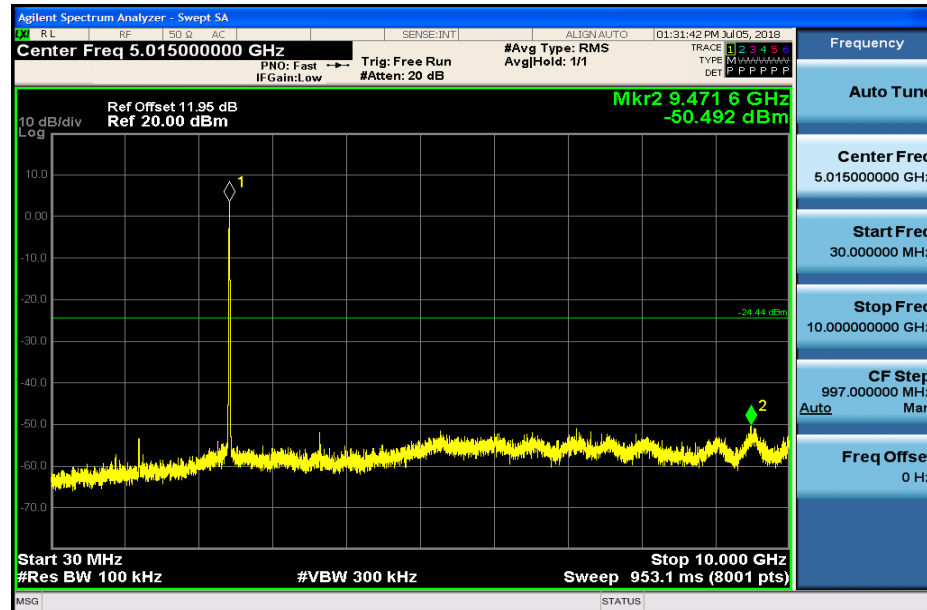
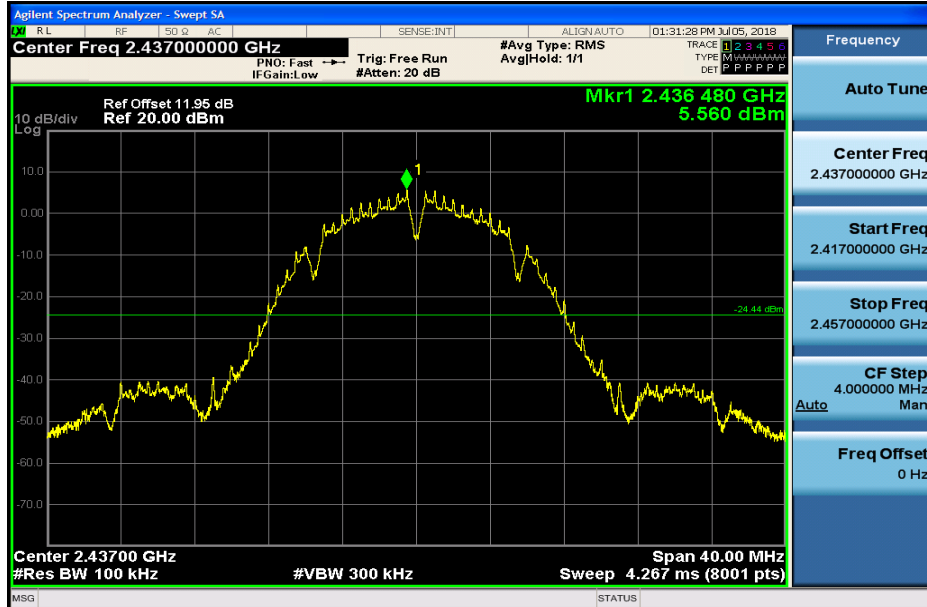
**6.RF Conducted Spurious Emissions**

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	5.54	-50.25	<- 24.46	PASS
11B	2412	Ant1	10000	26000	100	300	5.539	-40.805	<- 24.461	PASS
11B	2437	Ant1	30	10000	100	300	5.56	-50.49	<- 24.44	PASS
11B	2437	Ant1	10000	26000	100	300	5.56	-40.498	<- 24.44	PASS
11B	2462	Ant1	30	10000	100	300	5.67	-47.30	<- 24.33	PASS
11B	2462	Ant1	10000	26000	100	300	5.672	-40.867	<- 24.328	PASS
11G	2412	Ant1	30	10000	100	300	2.54	-50.59	<- 27.46	PASS
11G	2412	Ant1	10000	26000	100	300	2.541	-40.807	<- 27.459	PASS
11G	2437	Ant1	30	10000	100	300	3.41	-51.08	<- 26.59	PASS
11G	2437	Ant1	10000	26000	100	300	3.413	-40.365	<- 26.587	PASS
11G	2462	Ant1	30	10000	100	300	3.09	-50.91	<- 26.91	PASS
11G	2462	Ant1	10000	26000	100	300	3.089	-41.205	<- 26.911	PASS
11N20SISO	2412	Ant1	30	10000	100	300	3.33	-51.01	<- 26.67	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	3.326	-40.600	<- 26.674	PASS
11N20SISO	2437	Ant1	30	10000	100	300	3.51	-50.71	<- 26.49	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	3.511	-39.550	<- 26.489	PASS
11N20SISO	2462	Ant1	30	10000	100	300	3.59	-50.40	<- 26.41	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	3.59	-41.025	<- 26.41	PASS

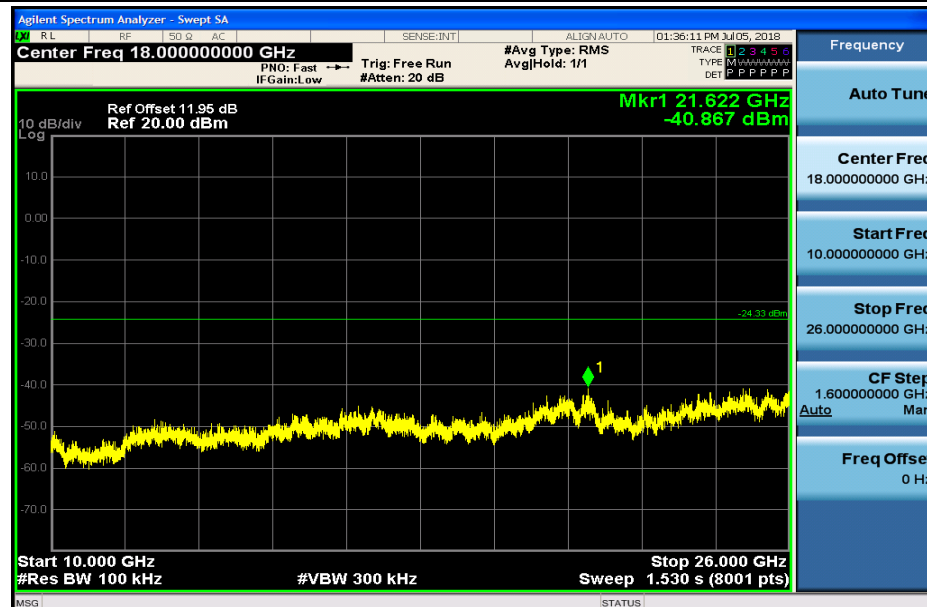
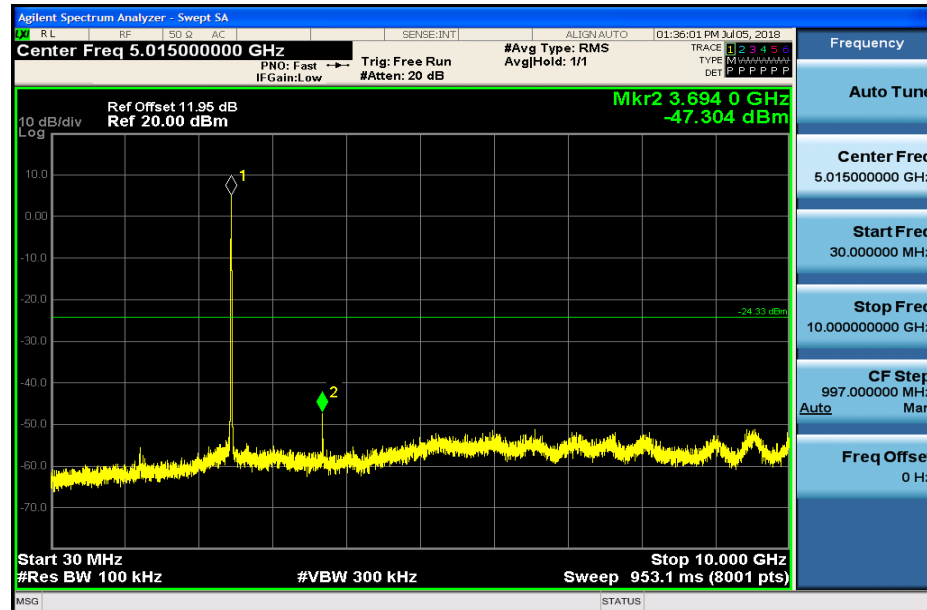
RF Conducted Spurious Emissions\_11B\_2412



RF Conducted Spurious Emissions\_11B\_2437

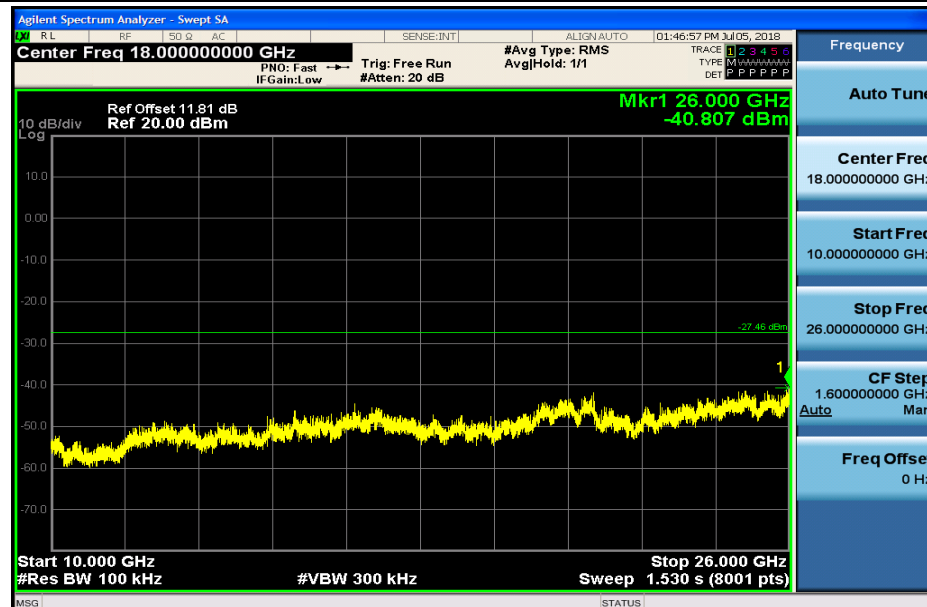
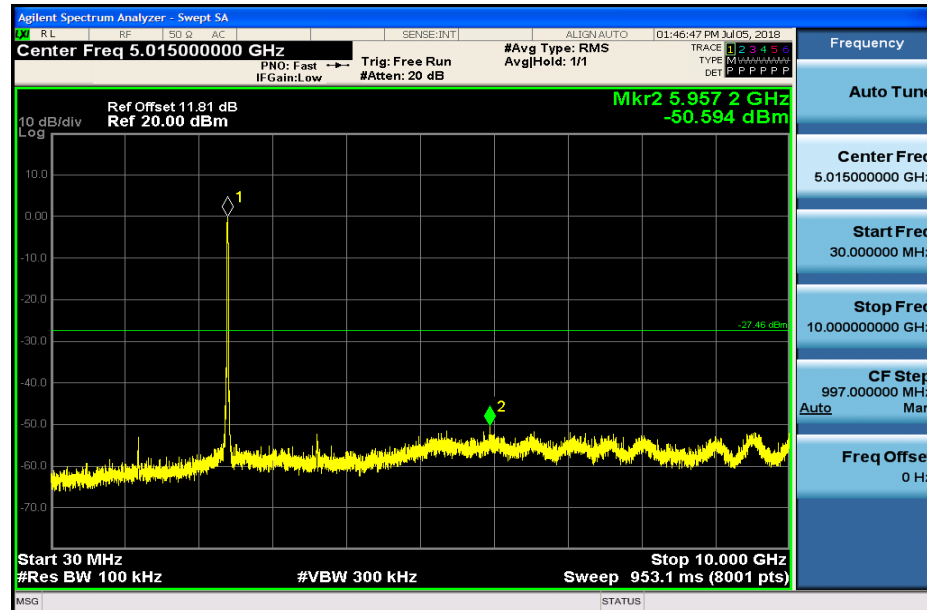
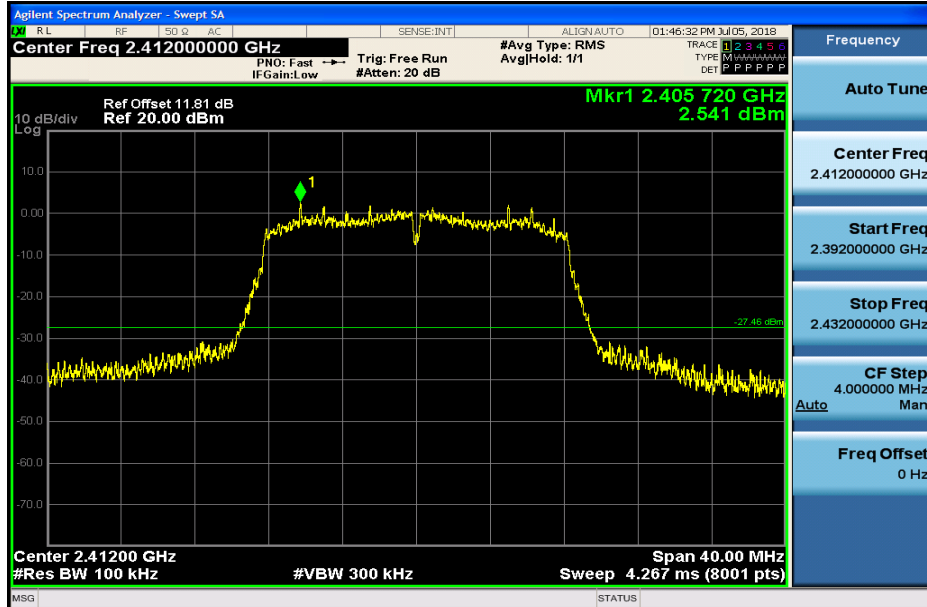


RF Conducted Spurious Emissions\_11B\_2462



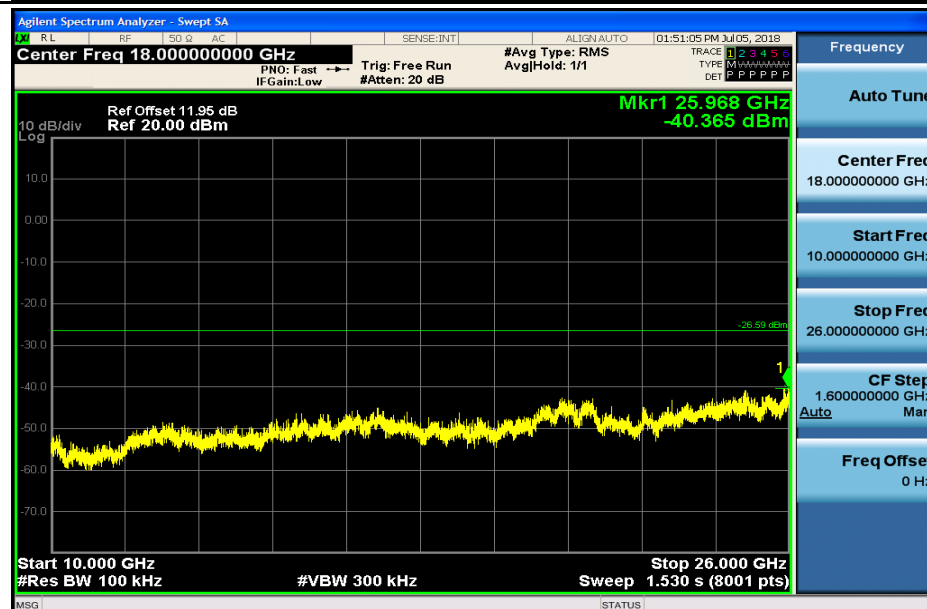
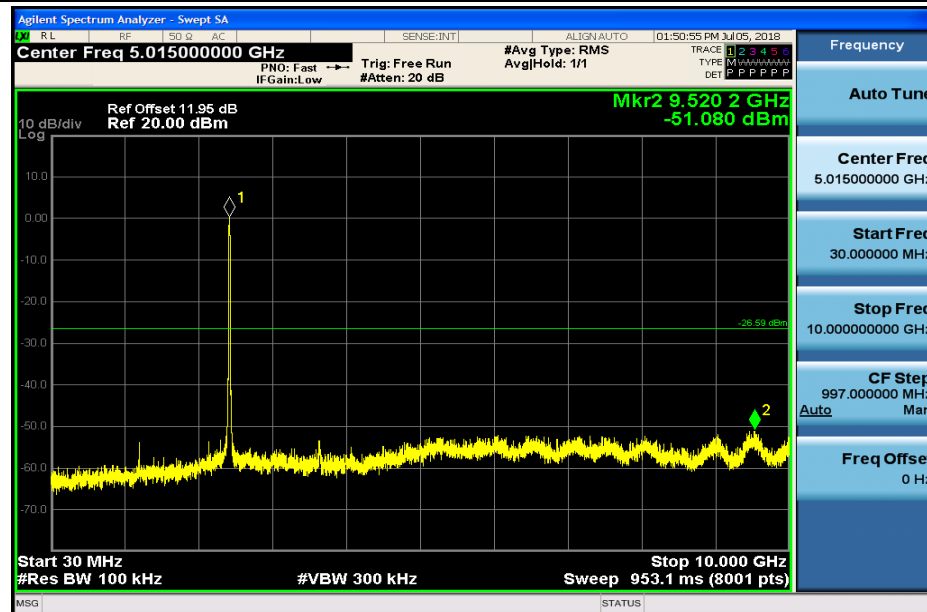
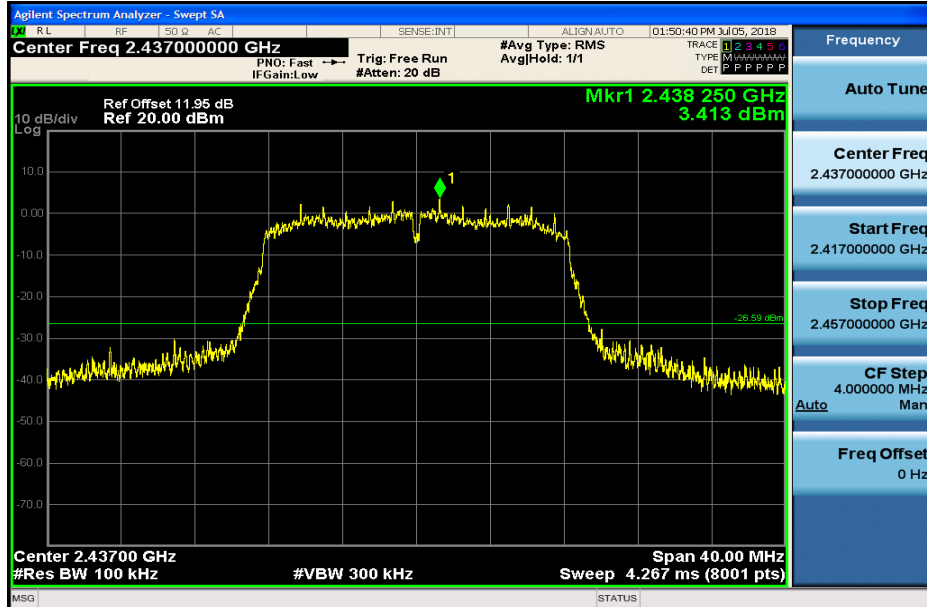


RF Conducted Spurious Emissions\_11G\_2412

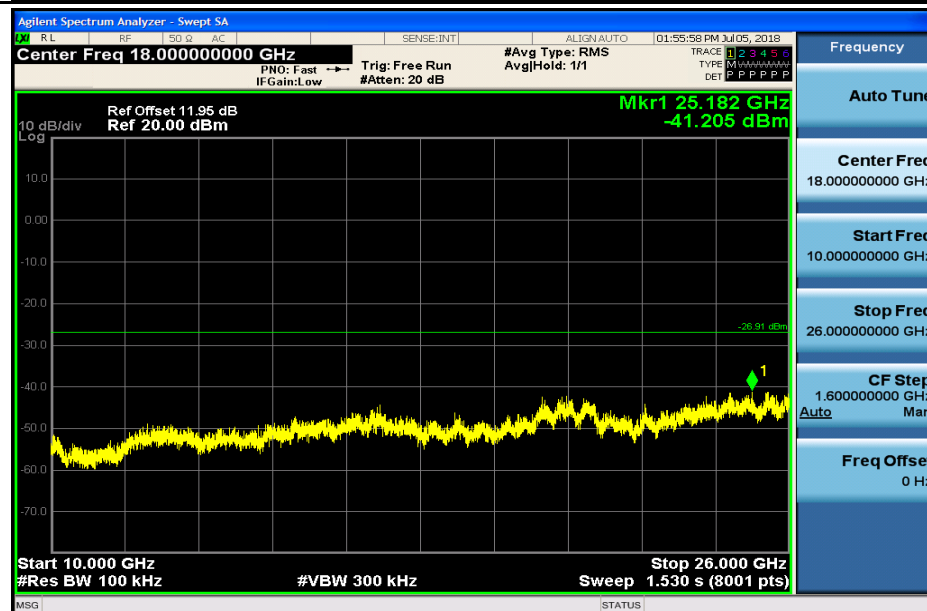
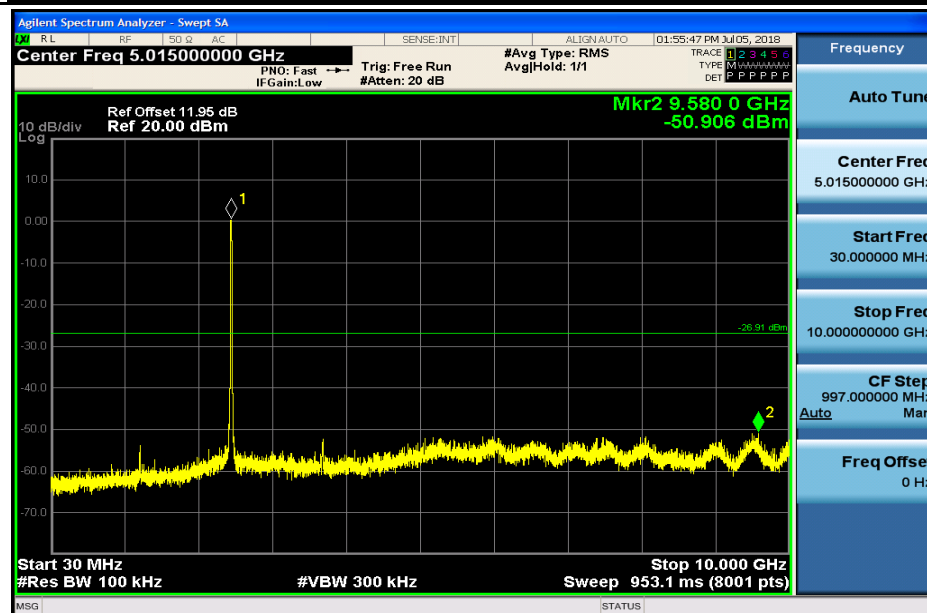
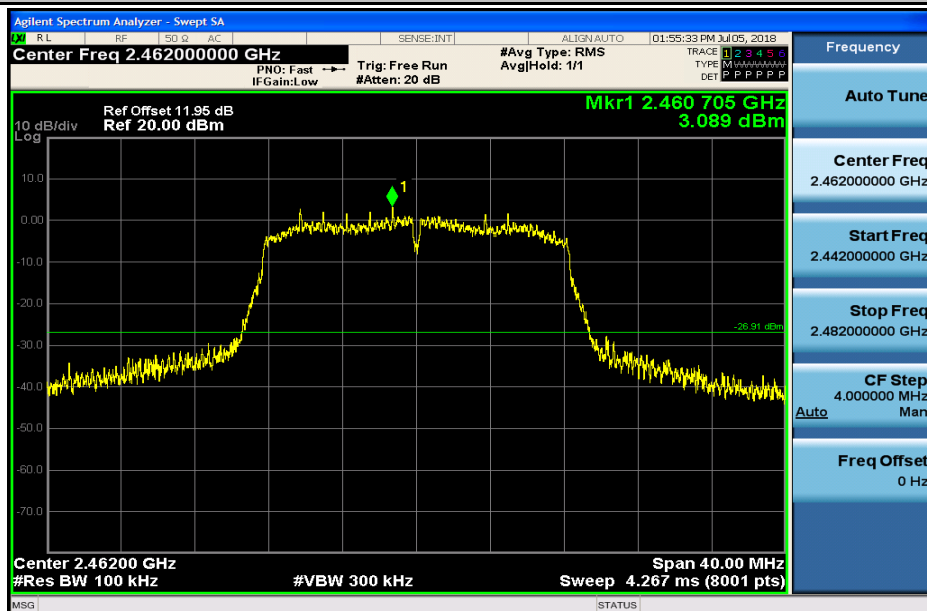




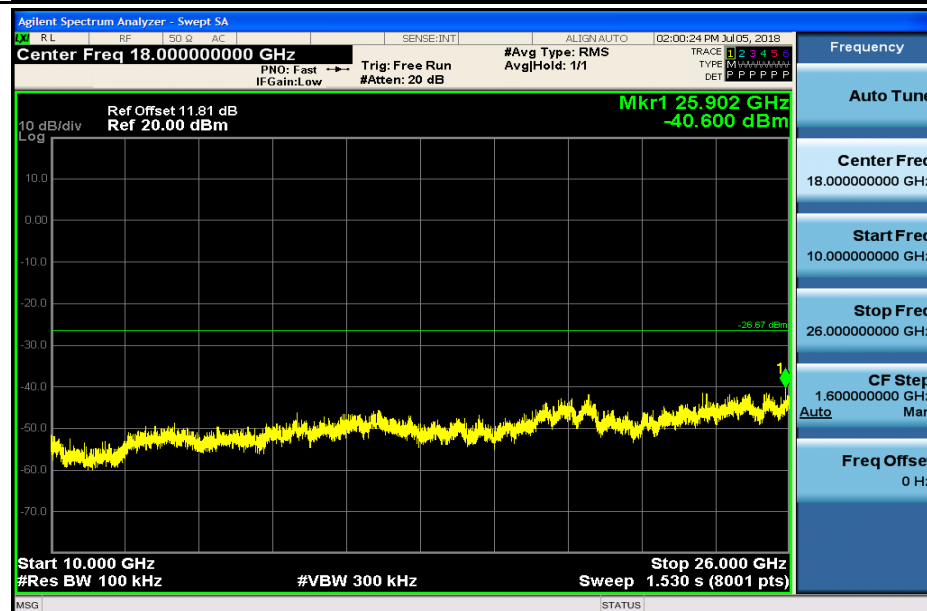
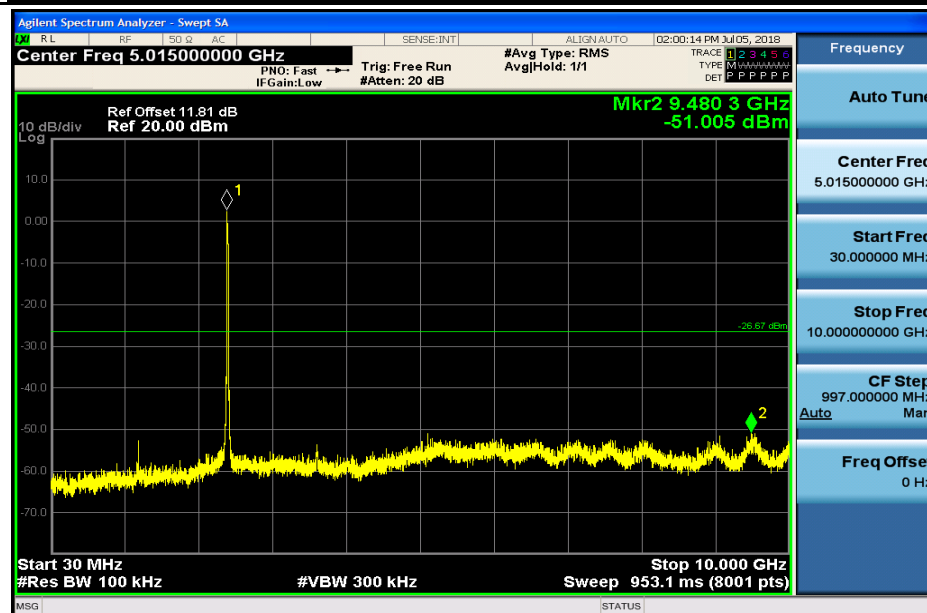
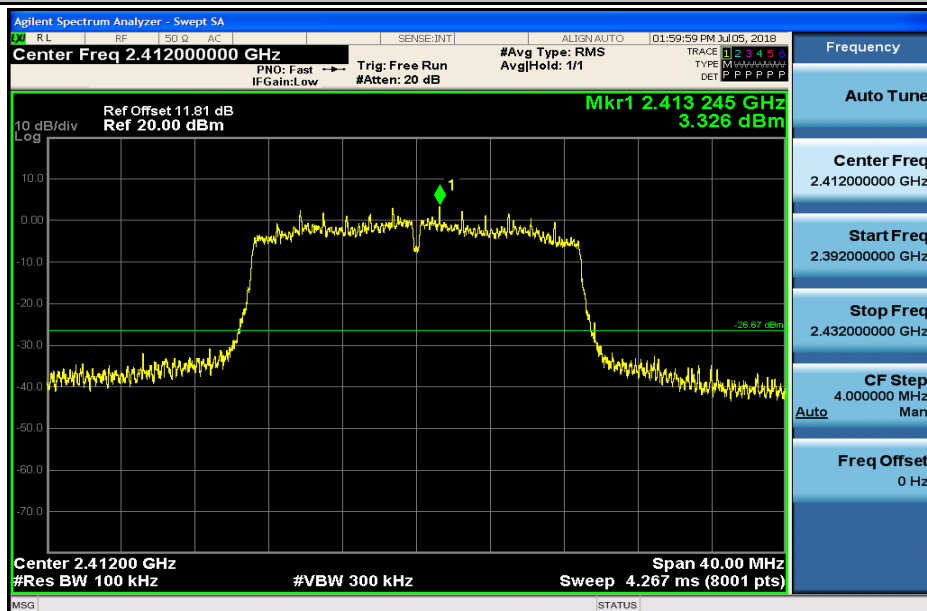
RF Conducted Spurious Emissions\_11G\_2437



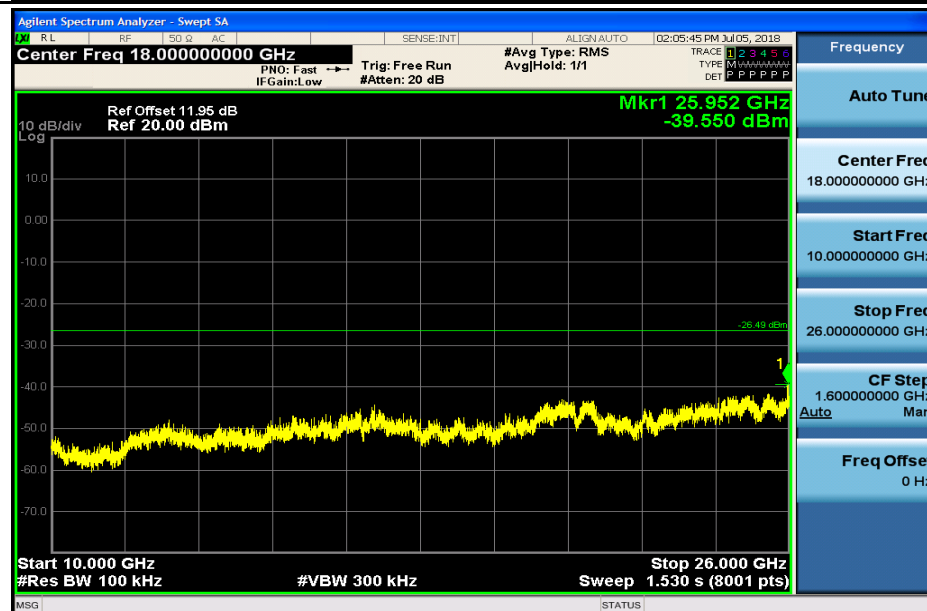
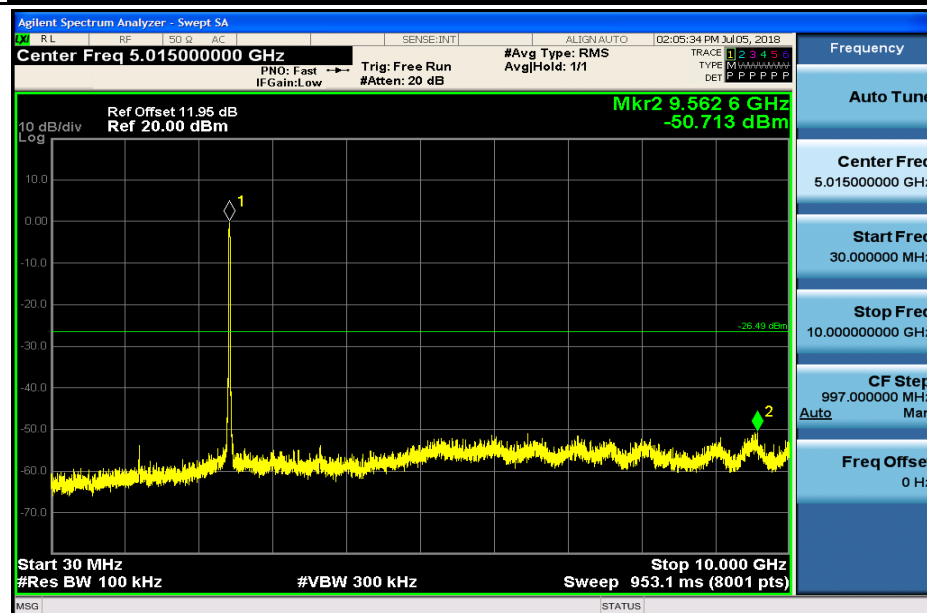
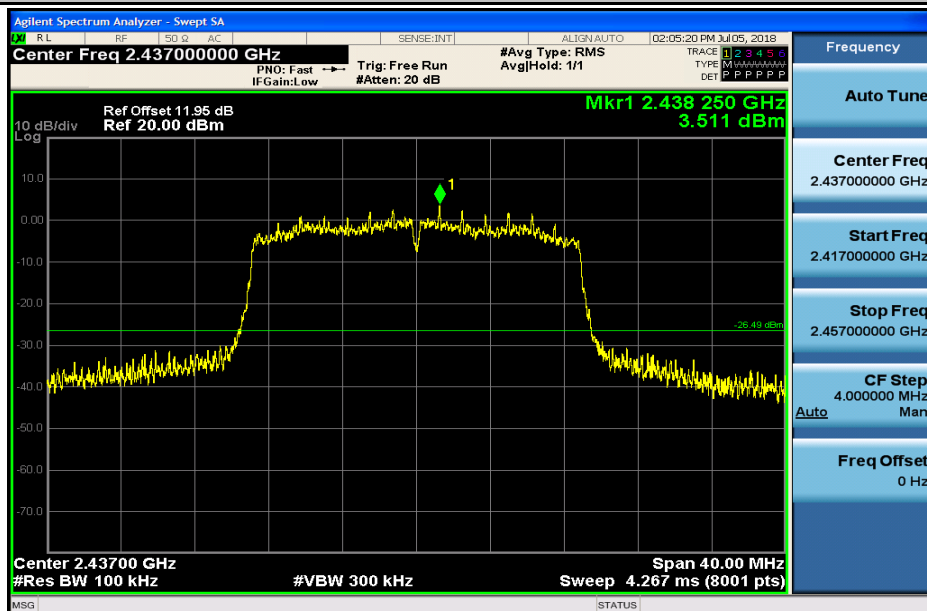
RF Conducted Spurious Emissions\_11G\_2462



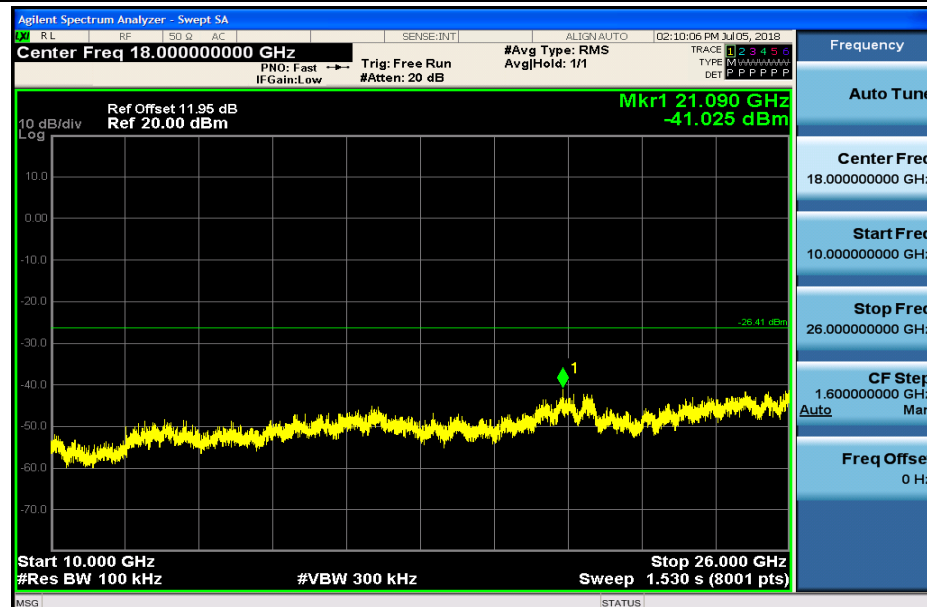
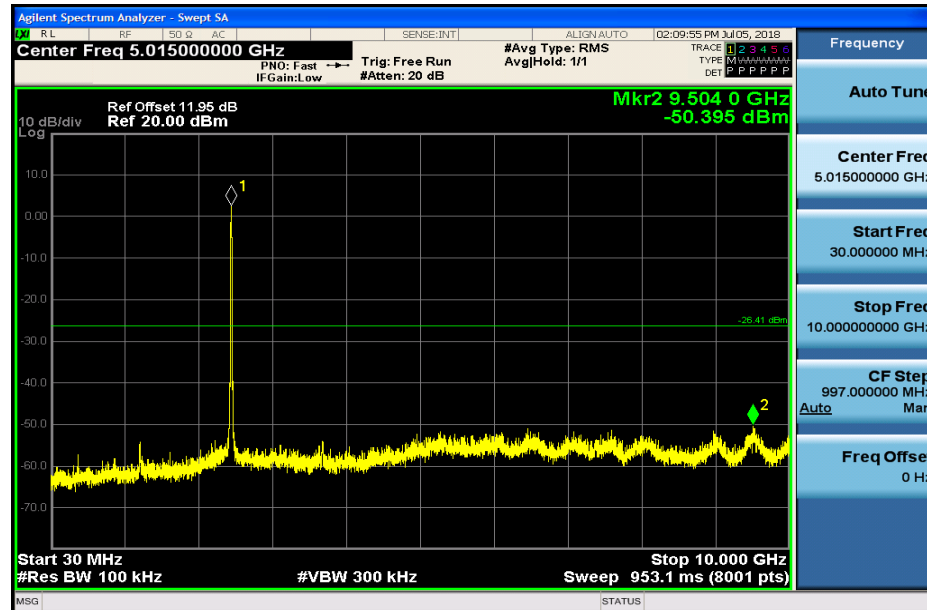
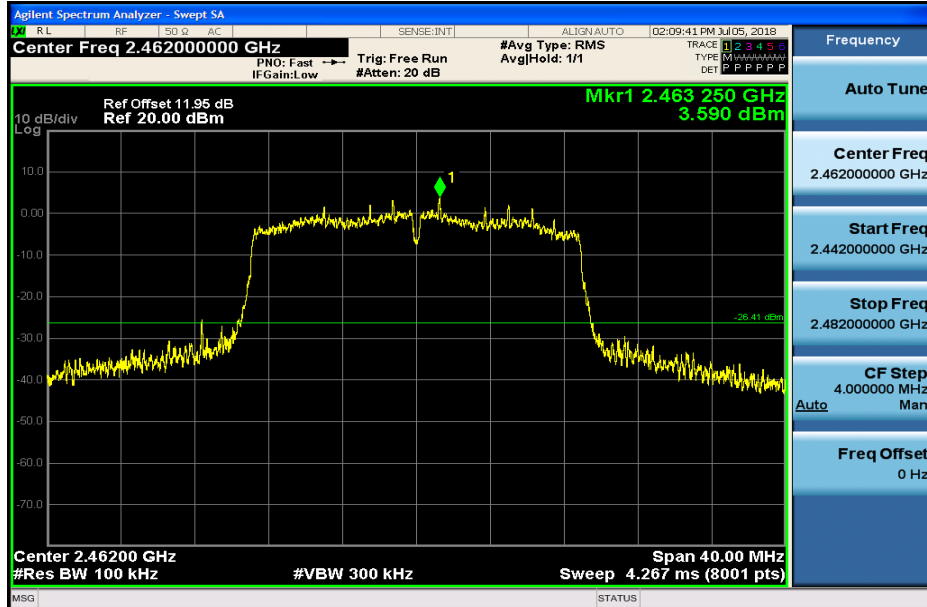
RF Conducted Spurious Emissions\_11N20SISO\_2412



RF Conducted Spurious Emissions\_11N20SISO\_2437



RF Conducted Spurious Emissions\_11N20SISO\_2462

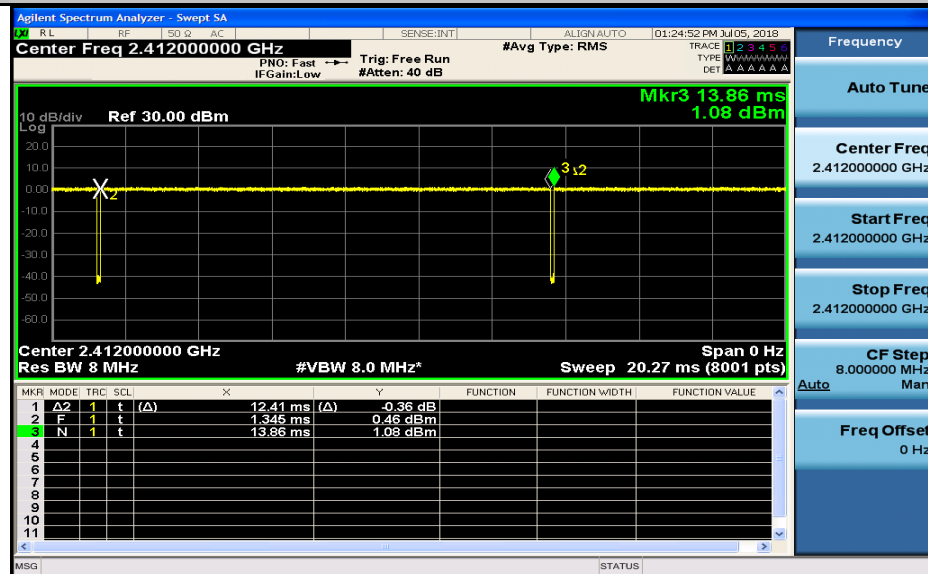




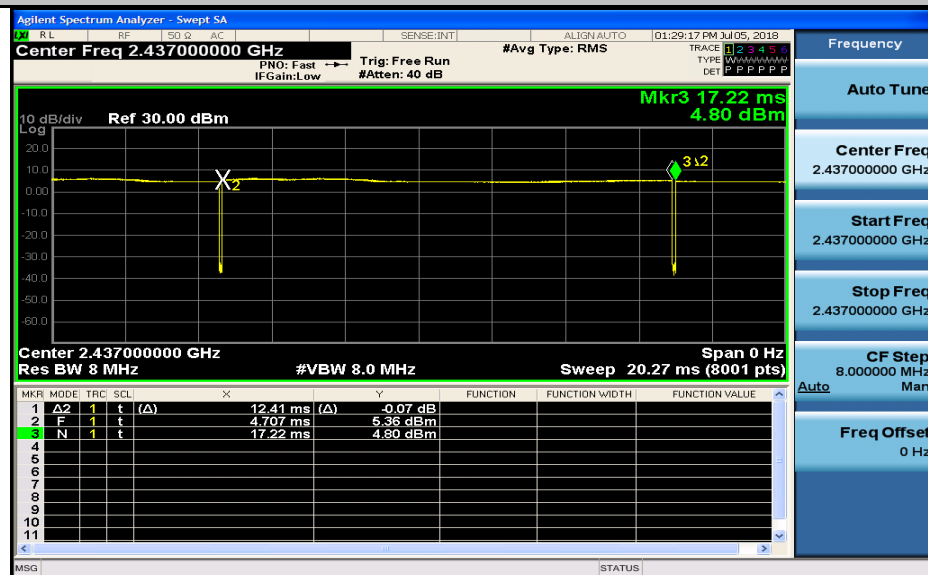
## 7.Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	99.19	0.04
11B	2437	Ant1	99.19	0.04
11B	2462	Ant1	99.21	0.03
11G	2412	Ant1	95.09	0.22
11G	2437	Ant1	95.20	0.21
11G	2462	Ant1	95.20	0.21
11N20SISO	2412	Ant1	94.86	0.23
11N20SISO	2437	Ant1	94.74	0.23
11N20SISO	2462	Ant1	94.86	0.23

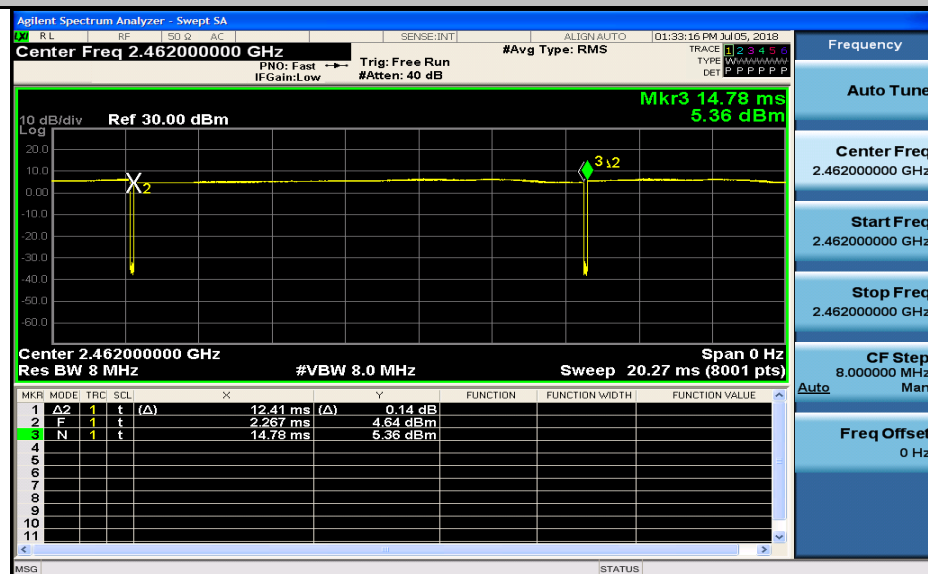
Duty Cycle\_11B\_2412\_Ant1



Duty Cycle\_11B\_2437\_Ant1

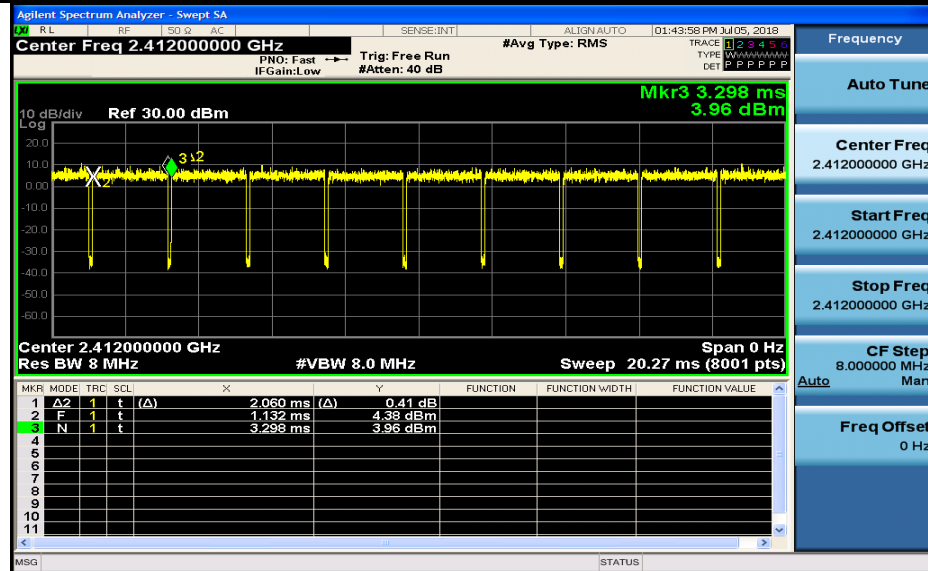


Duty Cycle\_11B\_2462\_Ant1

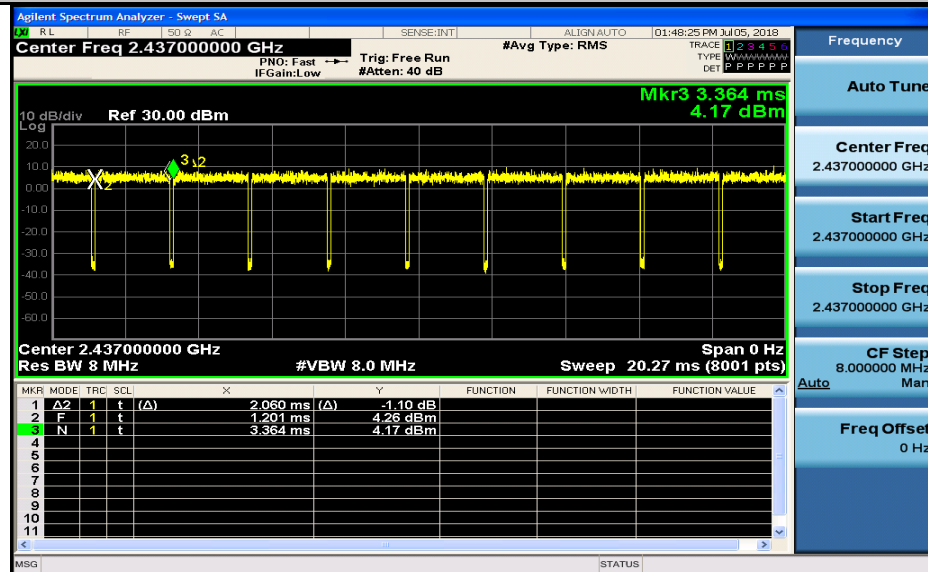




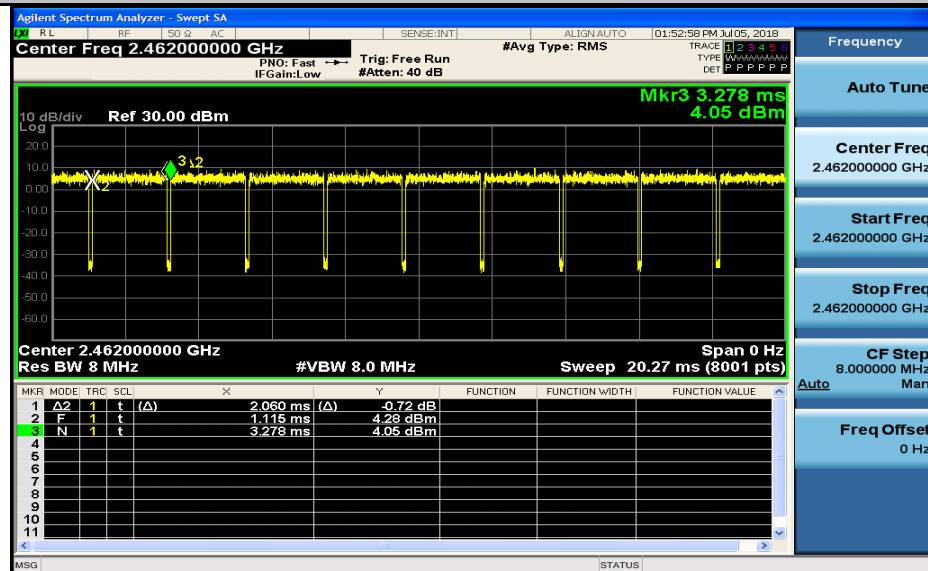
Duty Cycle\_11G\_2412\_Ant1



Duty Cycle\_11G\_2437\_Ant1

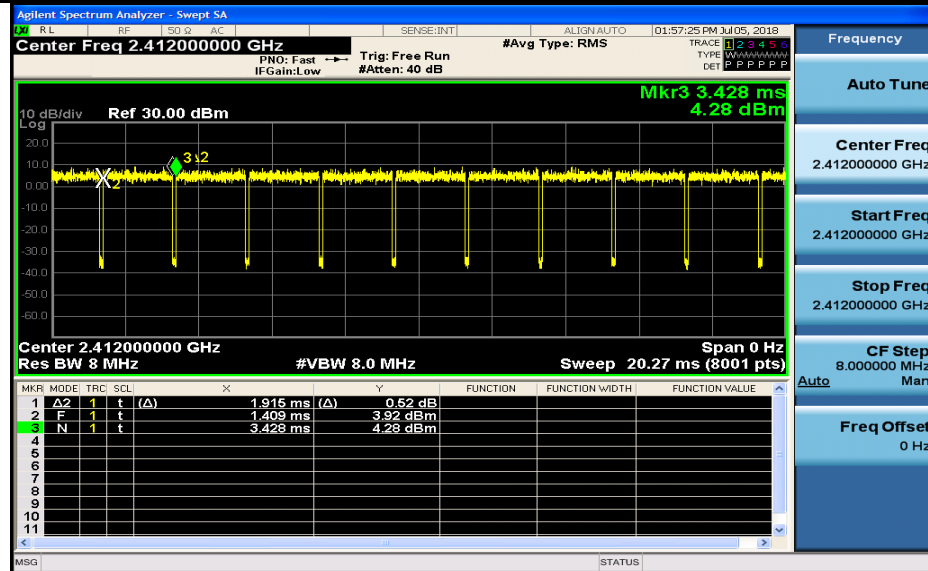


Duty Cycle\_11G\_2462\_Ant1

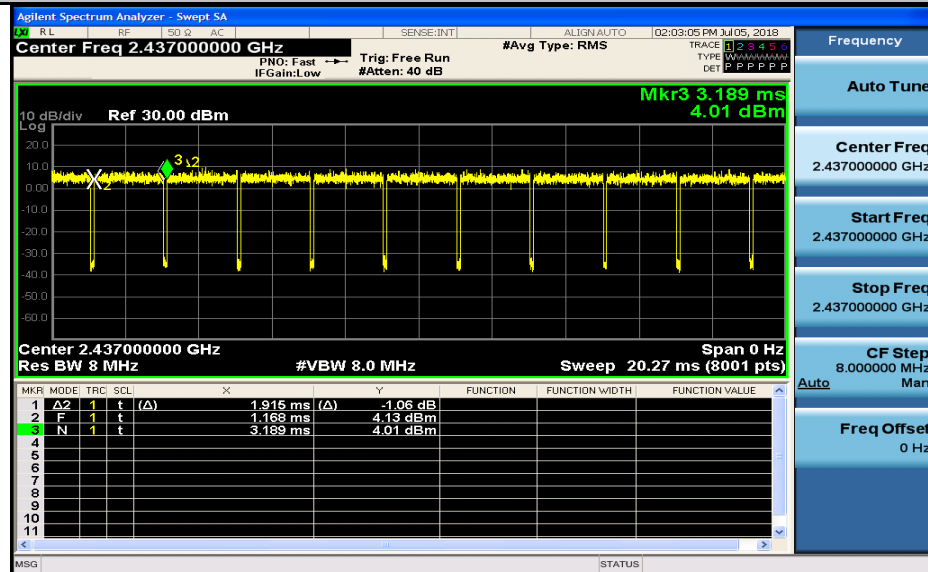




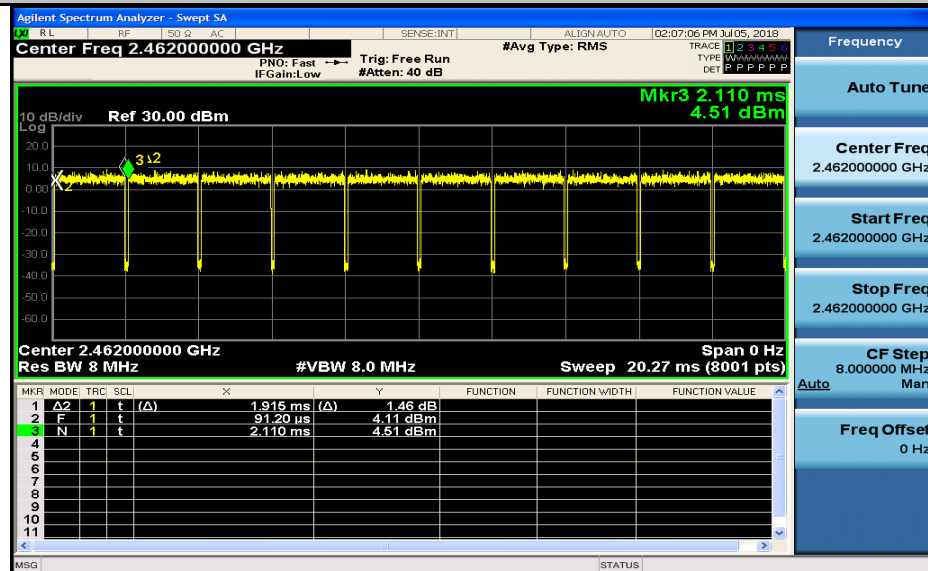
Duty Cycle\_11N20SISO\_2412\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N20SISO\_2462\_Ant1





**SGS-CSTC Standards Technical Services Co., Ltd. Shanghai  
Branch**