



**Appendix A for SHEM190901768801**

**1.6dB Bandwidth**

Test Mode	Test Channel	Ant	EBW[MHz]	Limit	Verdict
11B	2412	Ant1	10.07	0.5	PASS
11B	2437	Ant1	10.07	0.5	PASS
11B	2462	Ant1	10.06	0.5	PASS
11G	2412	Ant1	16.57	0.5	PASS
11G	2437	Ant1	16.57	0.5	PASS
11G	2462	Ant1	16.57	0.5	PASS
11N20SISO	2412	Ant1	17.79	0.5	PASS
11N20SISO	2437	Ant1	17.77	0.5	PASS
11N20SISO	2462	Ant1	17.78	0.5	PASS
11N40SISO	2422	Ant1	36.34	0.5	PASS
11N40SISO	2437	Ant1	36.33	0.5	PASS
11N40SISO	2452	Ant1	36.32	0.5	PASS

## 6dB Bandwidth\_11B\_2412\_Ant1



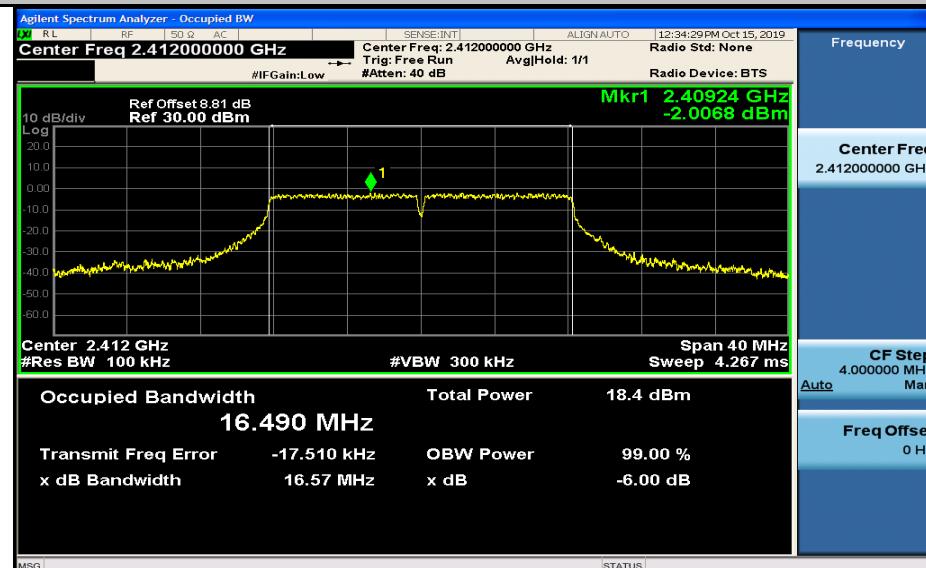
## 6dB Bandwidth\_11B\_2437\_Ant1



## 6dB Bandwidth\_11B\_2462\_Ant1



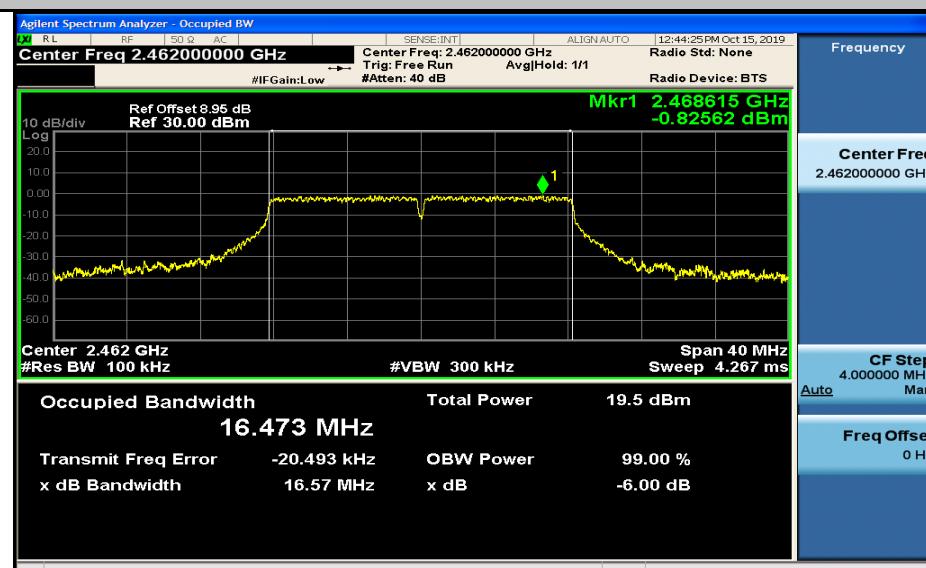
## 6dB Bandwidth\_11G\_2412\_Ant1



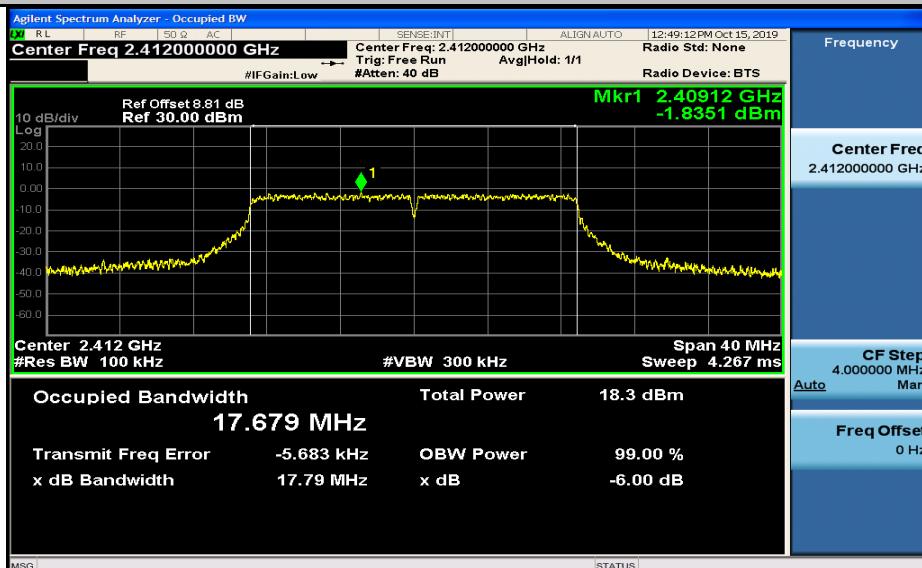
## 6dB Bandwidth\_11G\_2437\_Ant1



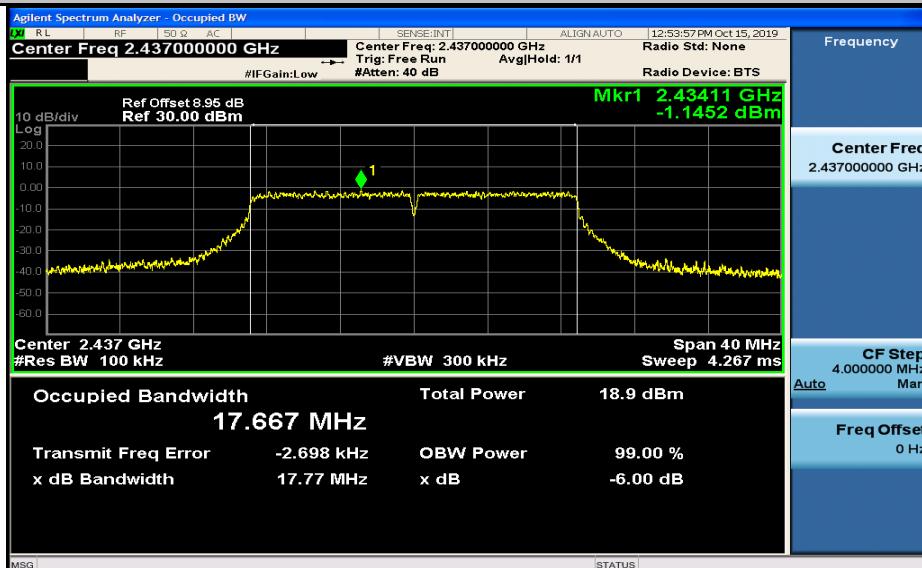
## 6dB Bandwidth\_11G\_2462\_Ant1



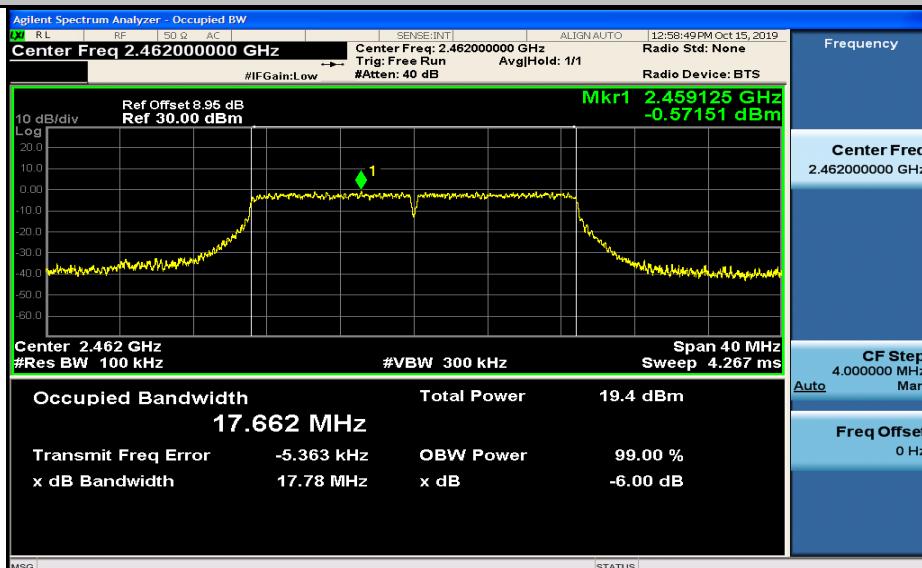
## 6dB Bandwidth\_11N20SISO\_2412\_Ant1



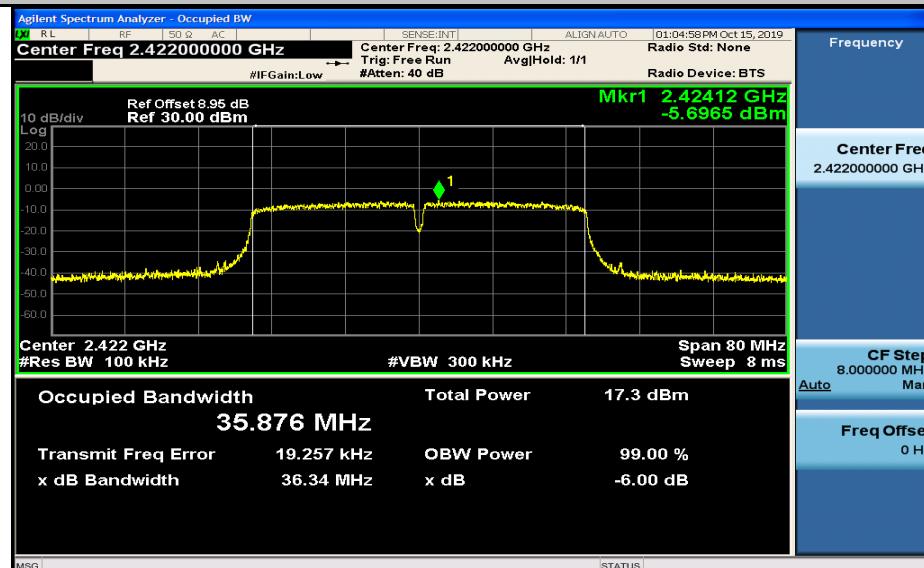
## 6dB Bandwidth\_11N20SISO\_2437\_Ant1



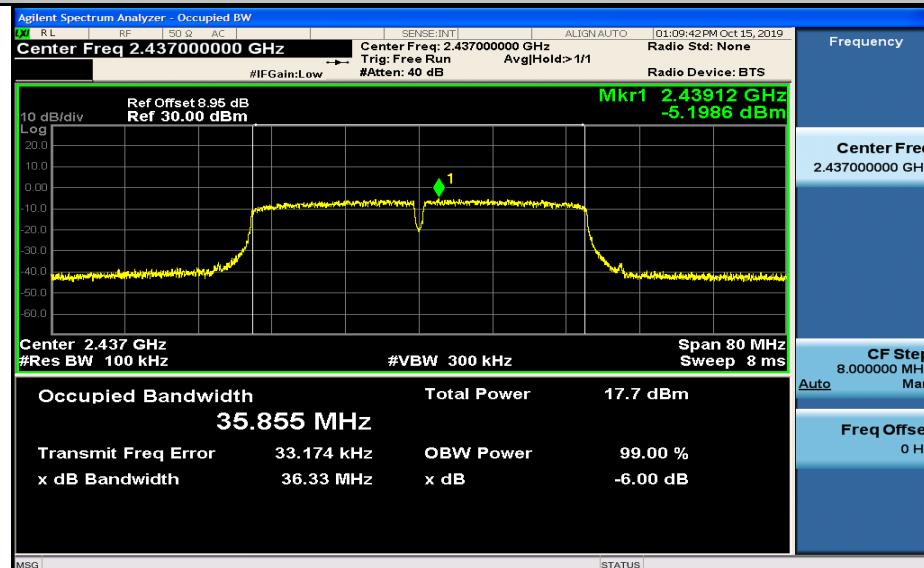
## 6dB Bandwidth\_11N20SISO\_2462\_Ant1



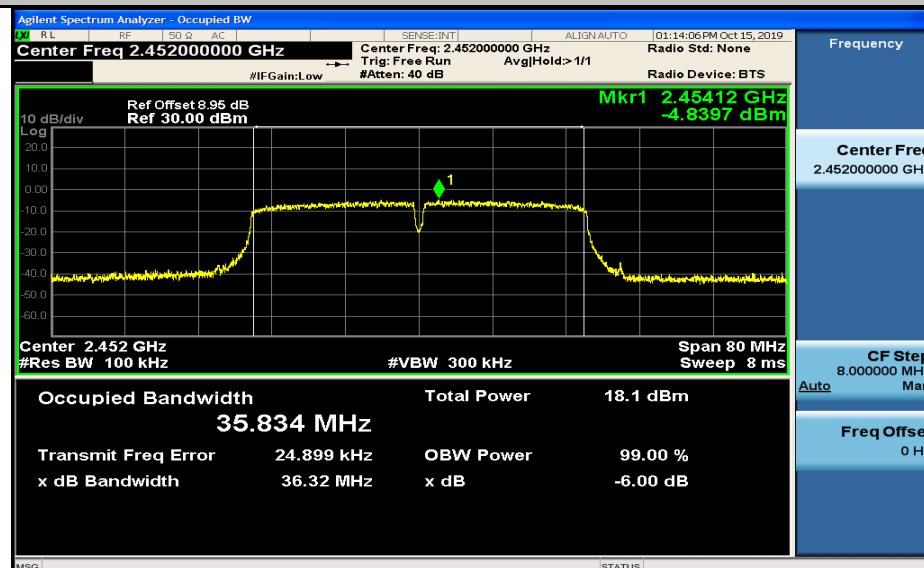
## 6dB Bandwidth\_11N40SISO\_2422\_Ant1



## 6dB Bandwidth\_11N40SISO\_2437\_Ant1



## 6dB Bandwidth\_11N40SISO\_2452\_Ant1

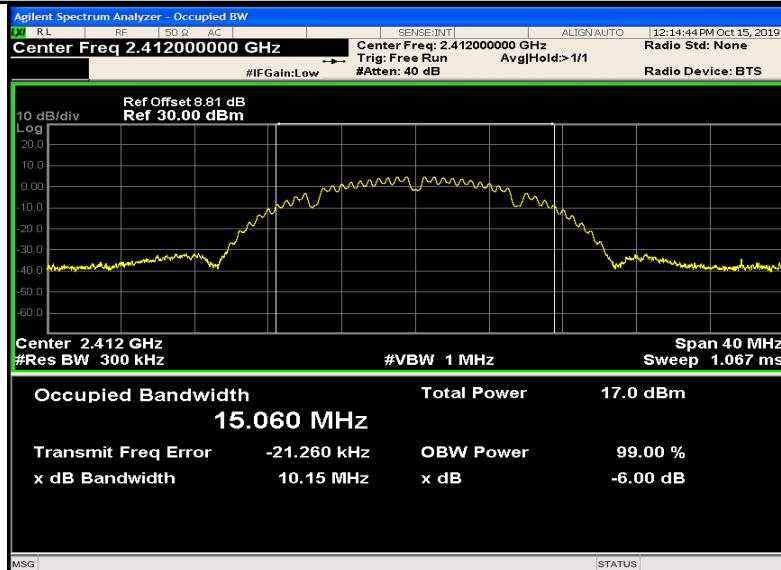




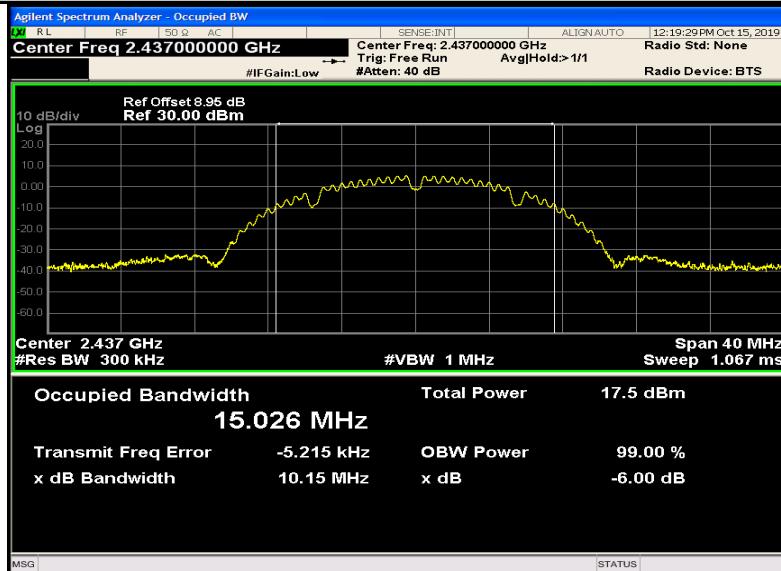
## 2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	15.06	---	PASS
11B	2437	Ant1	15.03	---	PASS
11B	2462	Ant1	14.99	---	PASS
11G	2412	Ant1	16.84	---	PASS
11G	2437	Ant1	16.80	---	PASS
11G	2462	Ant1	16.80	---	PASS
11N20SISO	2412	Ant1	17.94	---	PASS
11N20SISO	2437	Ant1	17.91	---	PASS
11N20SISO	2462	Ant1	17.88	---	PASS
11N40SISO	2422	Ant1	36.18	---	PASS
11N40SISO	2437	Ant1	36.16	---	PASS
11N40SISO	2452	Ant1	36.12	---	PASS

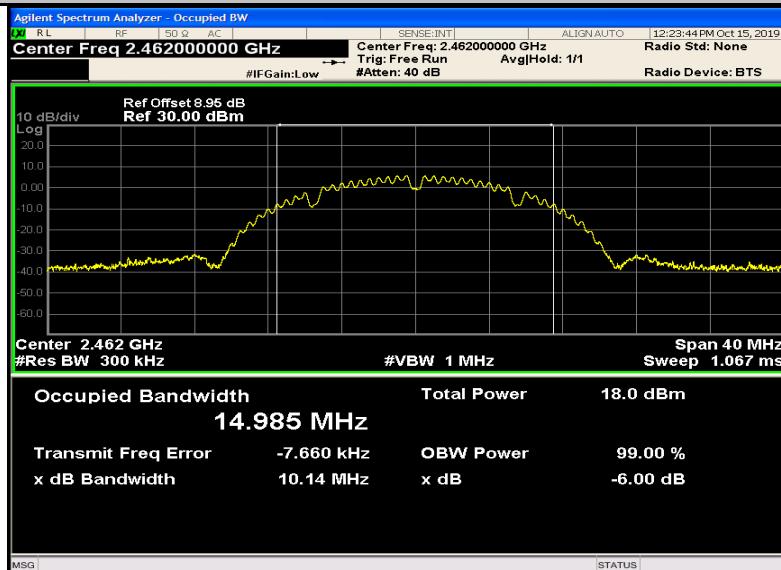
## Occupied Bandwidth\_11B\_2412



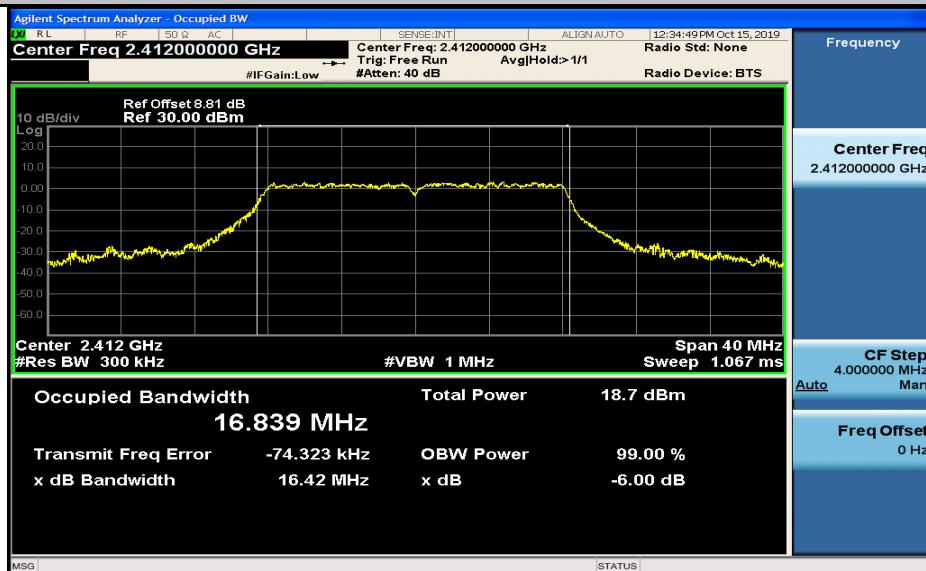
## Occupied Bandwidth\_11B\_2437



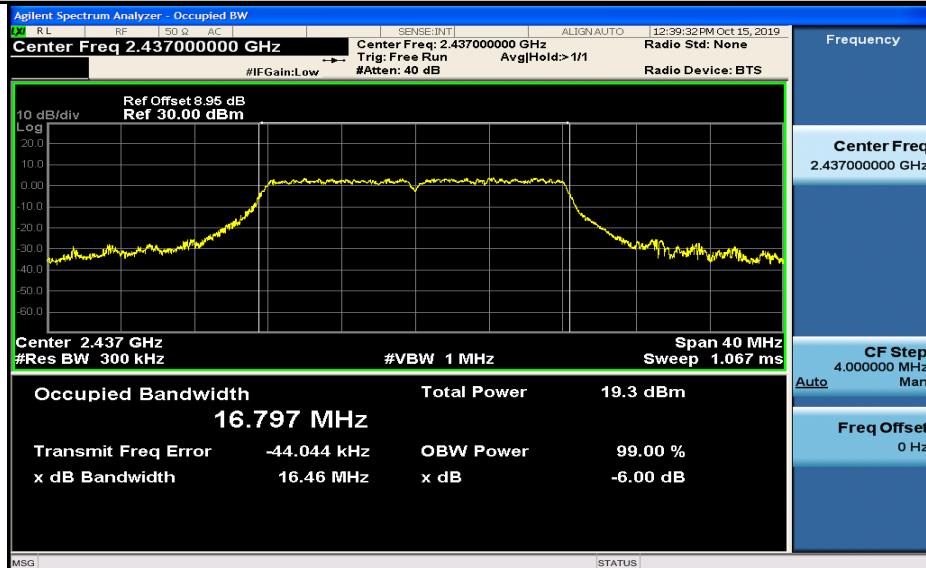
## Occupied Bandwidth\_11B\_2462



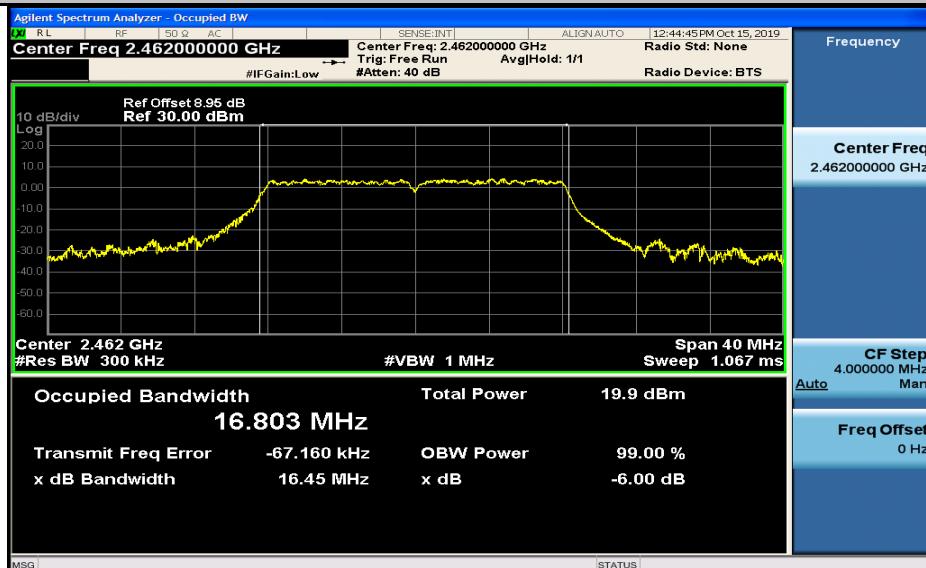
## Occupied Bandwidth\_11G\_2412



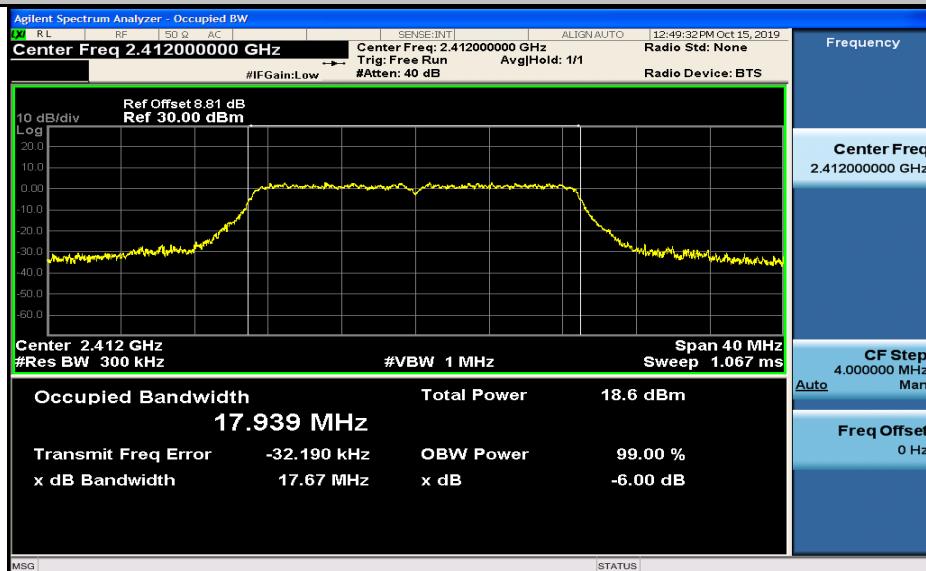
## Occupied Bandwidth\_11G\_2437



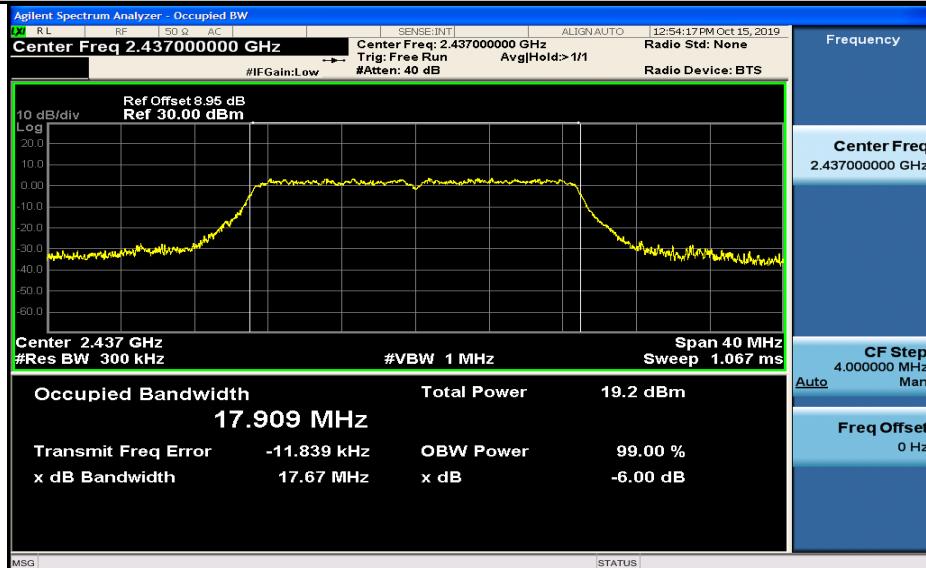
## Occupied Bandwidth\_11G\_2462



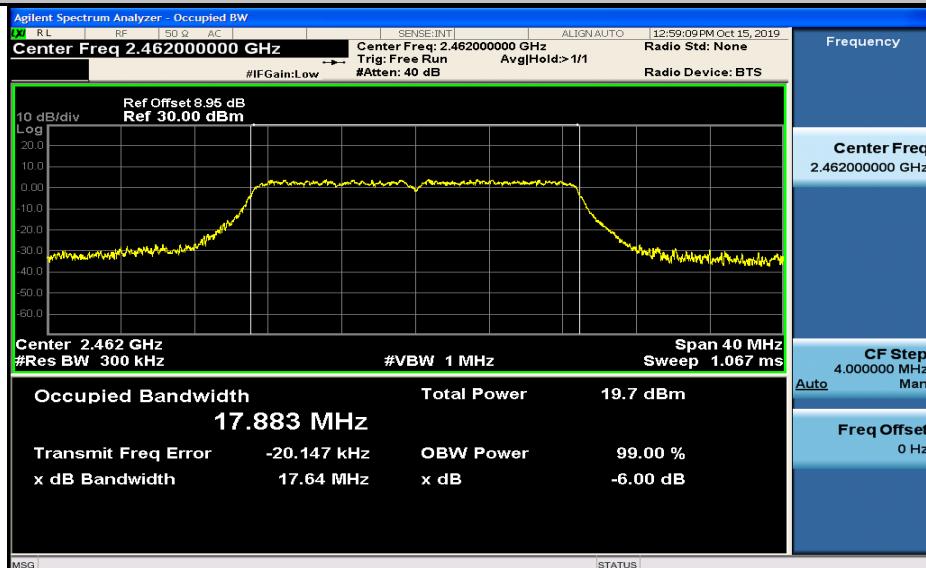
## Occupied Bandwidth\_11N20SISO\_2412

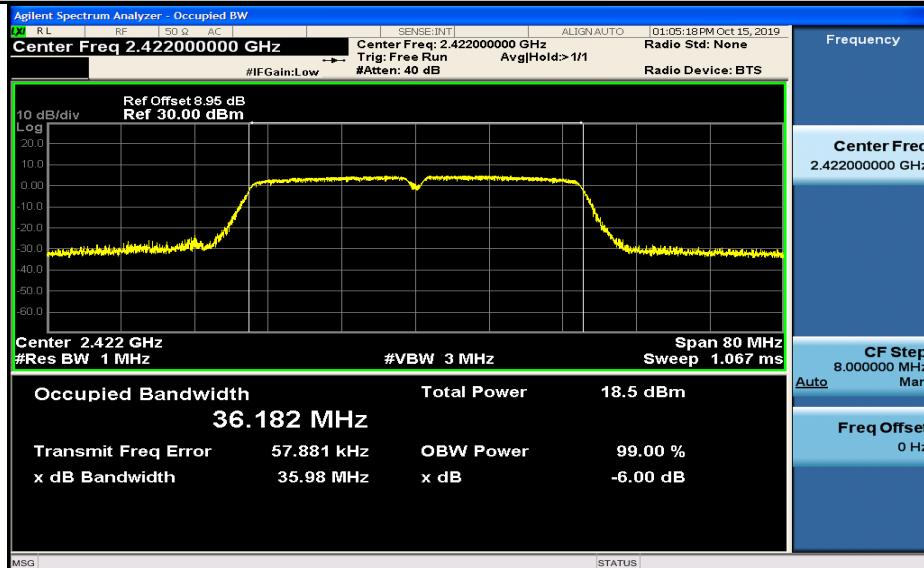
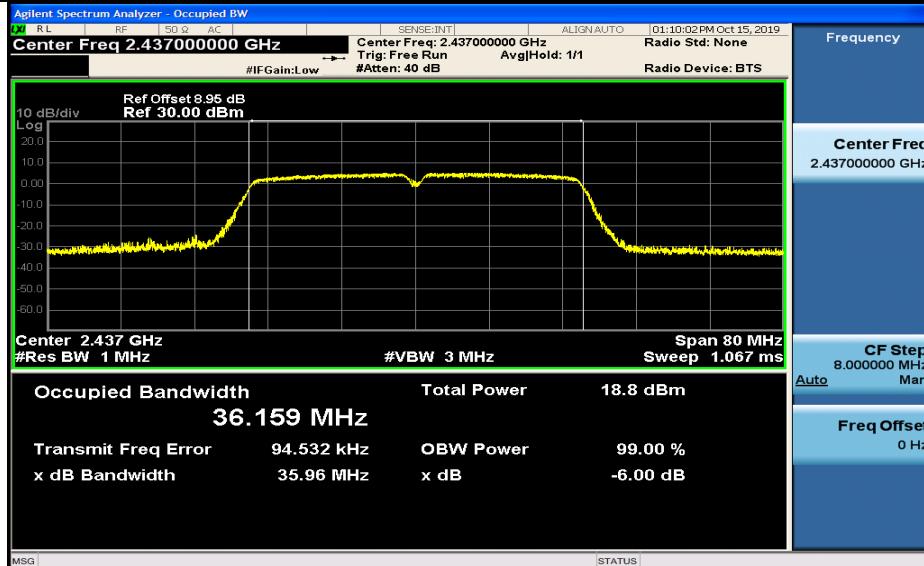
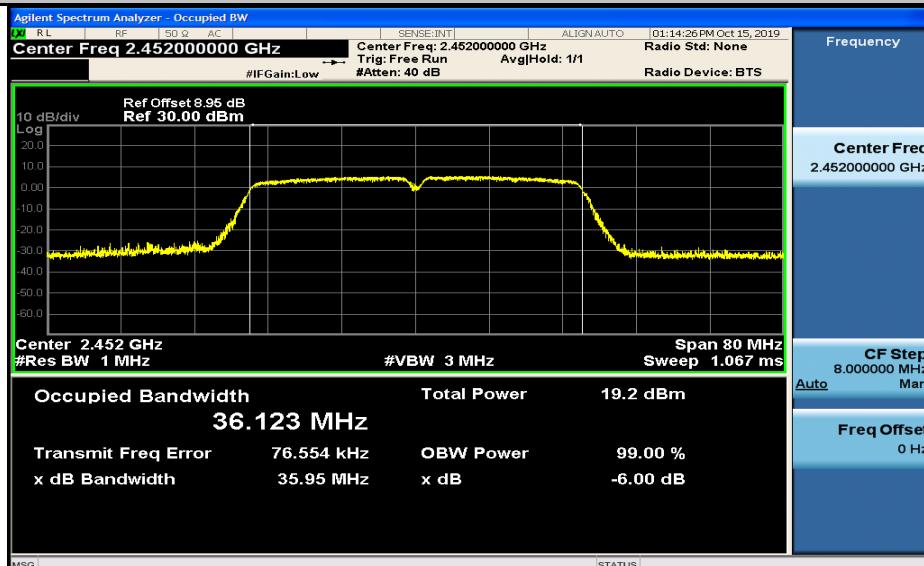


## Occupied Bandwidth\_11N20SISO\_2437



## Occupied Bandwidth\_11N20SISO\_2462



**Occupied Bandwidth\_11N40SISO\_2422****Occupied Bandwidth\_11N40SISO\_2437****Occupied Bandwidth\_11N40SISO\_2452**



**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	13.21	0.00	13.21	30	PASS
11B	2437	Ant1	13.77	0.00	13.77	30	PASS
11B	2462	Ant1	14.24	0.00	14.24	30	PASS
11G	2412	Ant1	12.36	0.00	12.36	30	PASS
11G	2437	Ant1	12.96	0.00	12.96	30	PASS
11G	2462	Ant1	13.49	0.00	13.49	30	PASS
11N20SISO	2412	Ant1	12.28	0.00	12.28	30	PASS
11N20SISO	2437	Ant1	12.92	0.00	12.92	30	PASS
11N20SISO	2462	Ant1	13.45	0.00	13.45	30	PASS
11N40SISO	2422	Ant1	11.26	0.00	11.26	30	PASS
11N40SISO	2437	Ant1	11.57	0.00	11.57	30	PASS
11N40SISO	2452	Ant1	11.91	0.00	11.91	30	PASS

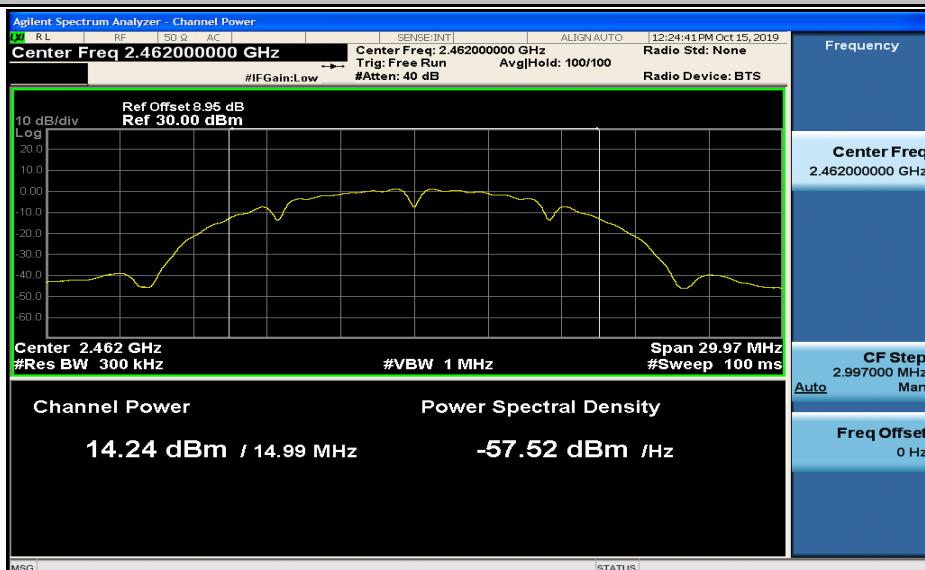
## Maximum conducted (average) output power\_11B\_2412\_Ant1



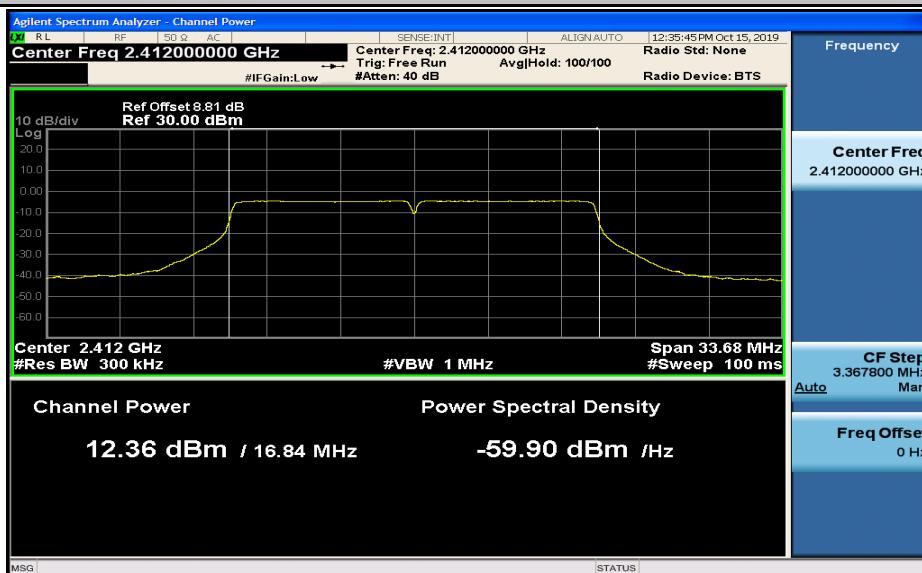
## Maximum conducted (average) output power\_11B\_2437\_Ant1



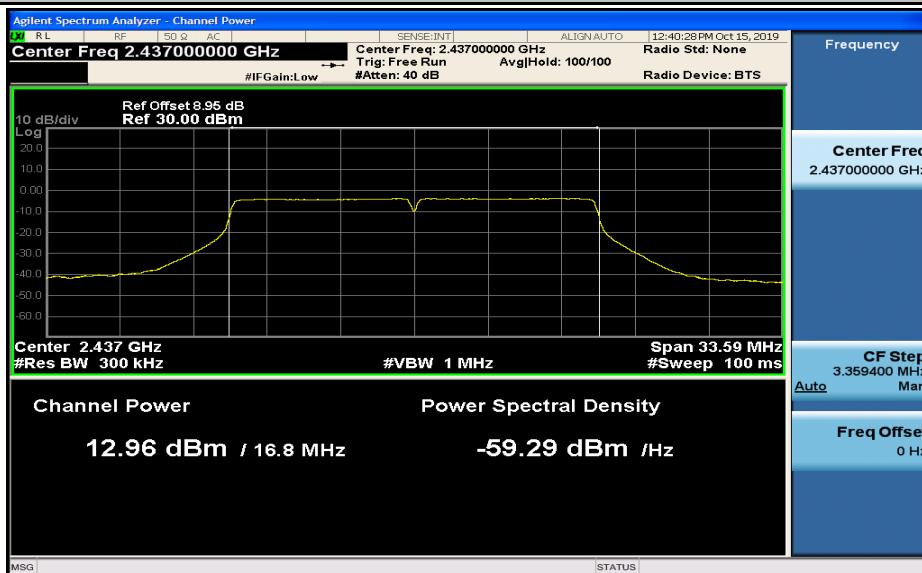
## Maximum conducted (average) output power\_11B\_2462\_Ant1



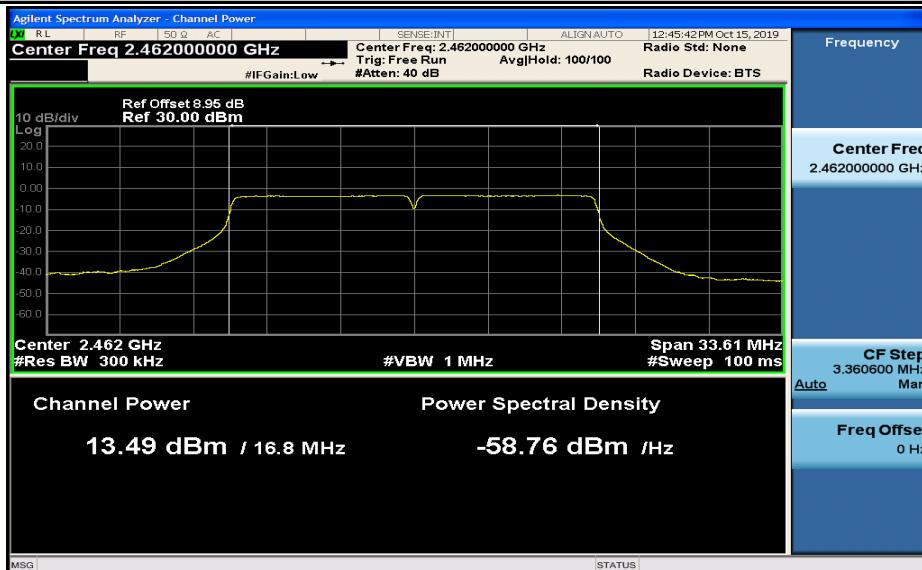
## Maximum conducted (average) output power\_11G\_2412\_Ant1



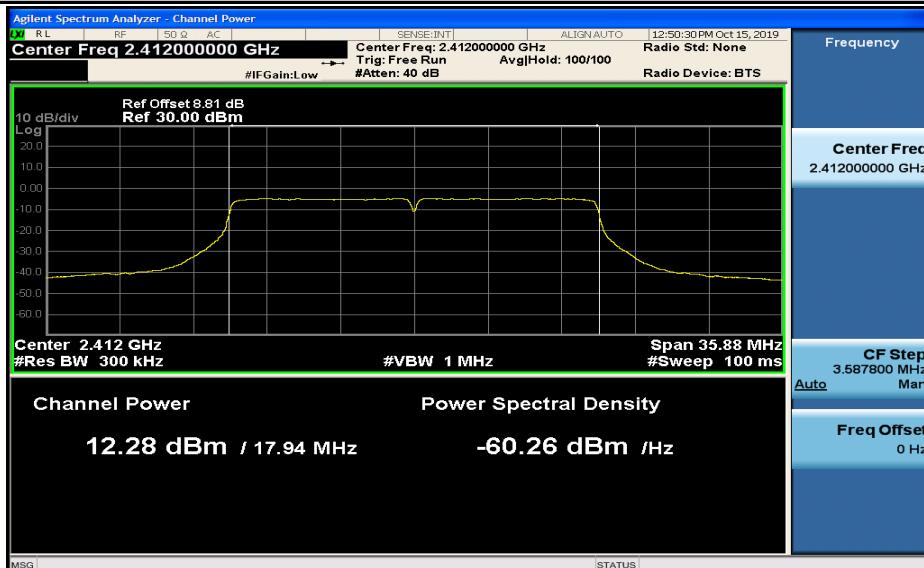
## Maximum conducted (average) output power\_11G\_2437\_Ant1



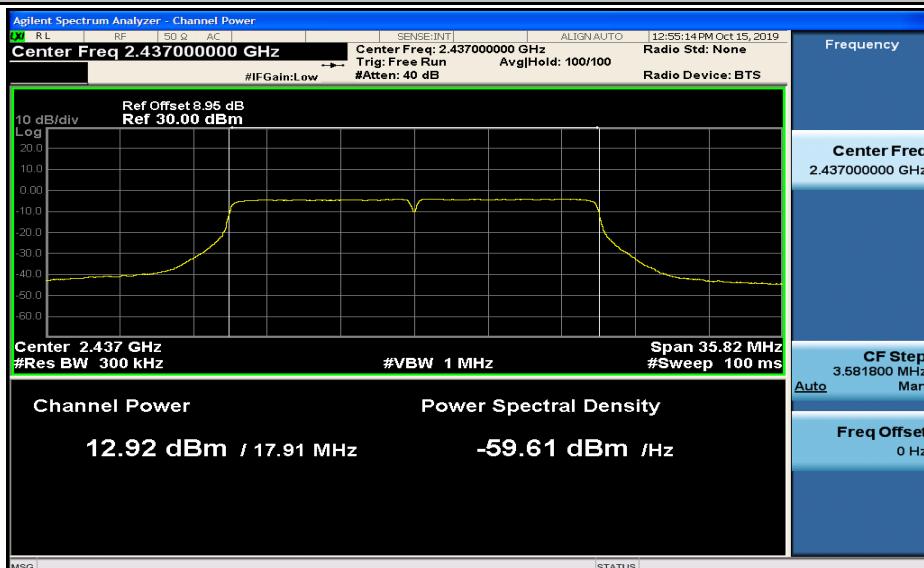
## Maximum conducted (average) output power\_11G\_2462\_Ant1



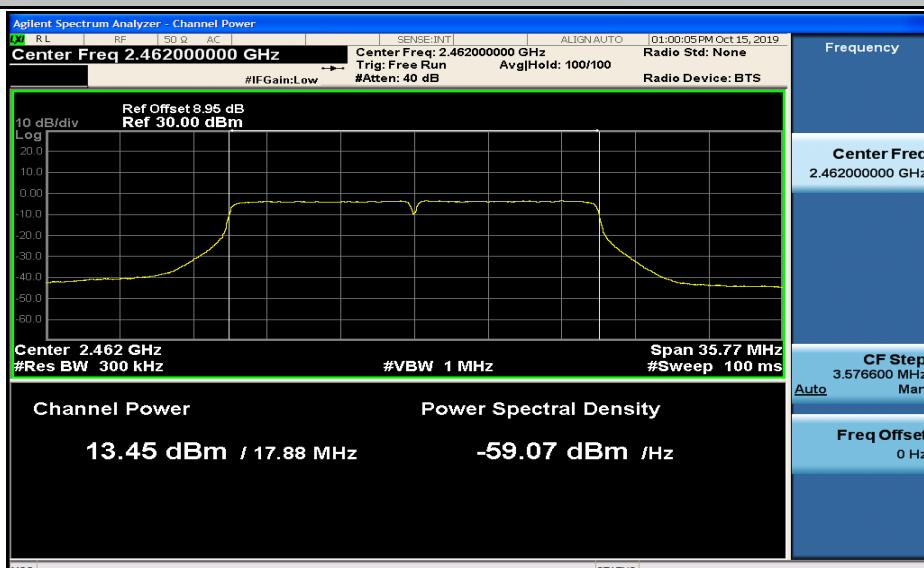
## Maximum conducted (average) output power\_11N20SISO\_2412\_Ant1



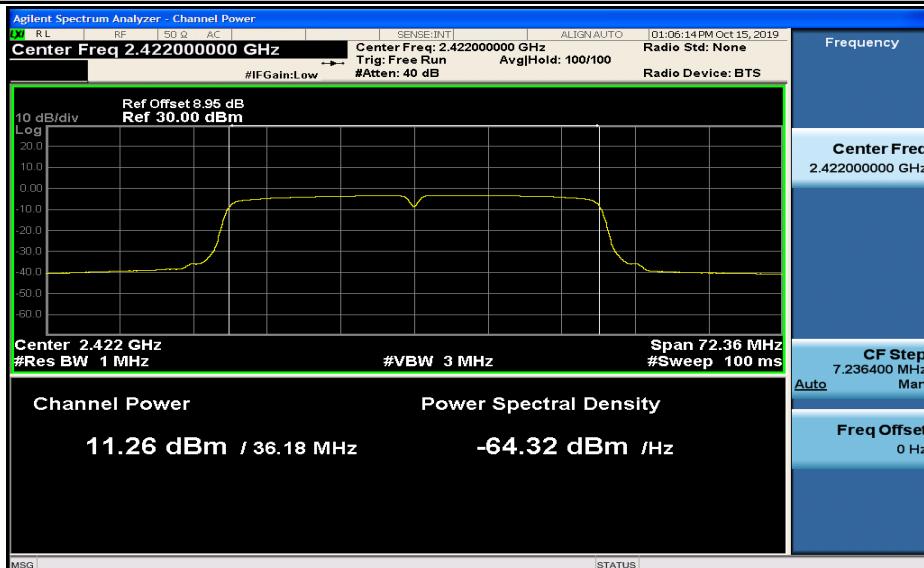
## Maximum conducted (average) output power\_11N20SISO\_2437\_Ant1



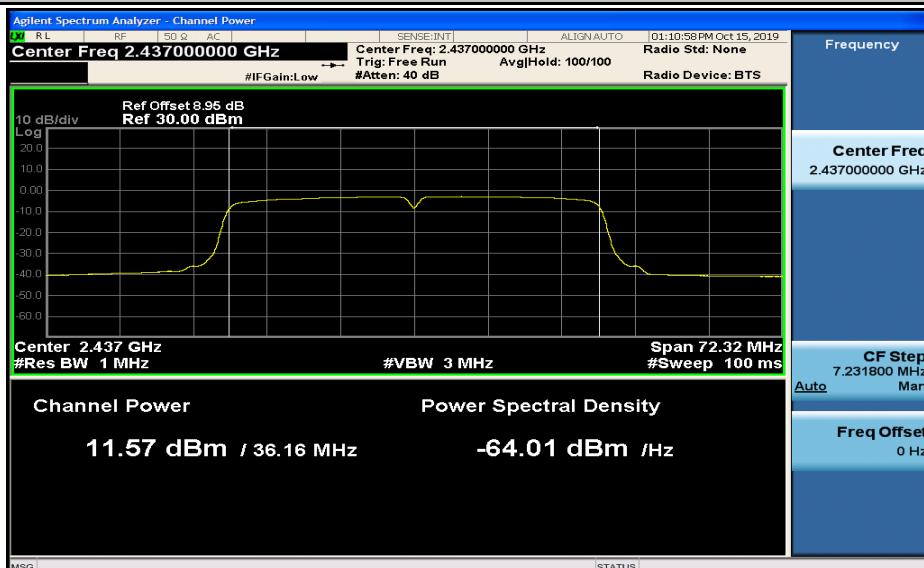
## Maximum conducted (average) output power\_11N20SISO\_2462\_Ant1



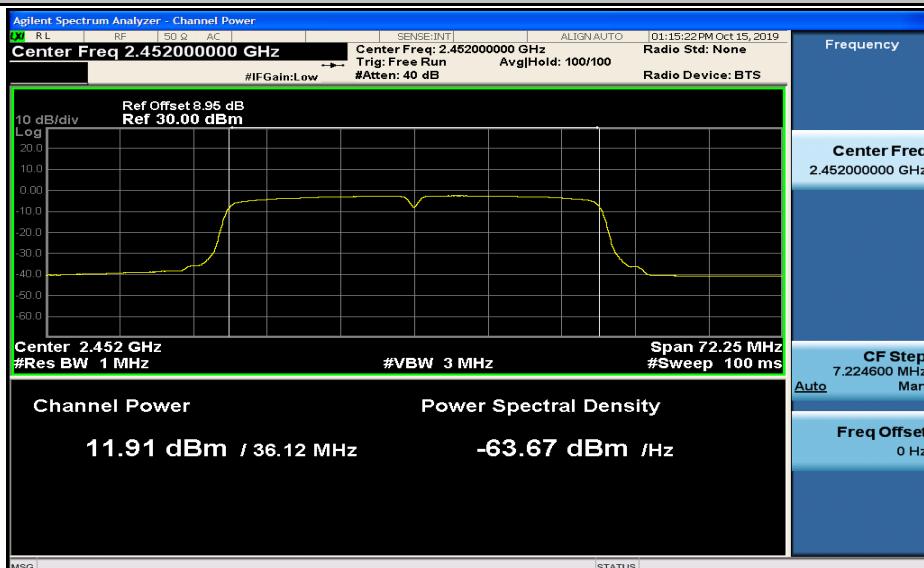
## Maximum conducted (average) output power\_11N40SISO\_2422\_Ant1



## Maximum conducted (average) output power\_11N40SISO\_2437\_Ant1



## Maximum conducted (average) output power\_11N40SISO\_2452\_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	-19.58	0.00	-19.58	8.00	PASS
11B	2437	Ant1	-18.97	0.00	-18.97	8.00	PASS
11B	2462	Ant1	-18.52	0.00	-18.52	8.00	PASS
11G	2412	Ant1	-22.35	0.00	-22.35	8.00	PASS
11G	2437	Ant1	-21.77	0.00	-21.77	8.00	PASS
11G	2462	Ant1	-21.19	0.00	-21.19	8.00	PASS
11N20SISO	2412	Ant1	-22.89	0.00	-22.89	8.00	PASS
11N20SISO	2437	Ant1	-22.06	0.00	-22.06	8.00	PASS
11N20SISO	2462	Ant1	-21.38	0.00	-21.38	8.00	PASS
11N40SISO	2422	Ant1	-26.81	0.00	-26.81	8.00	PASS
11N40SISO	2437	Ant1	-26.40	0.00	-26.40	8.00	PASS
11N40SISO	2452	Ant1	-26.05	0.00	-26.05	8.00	PASS

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



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



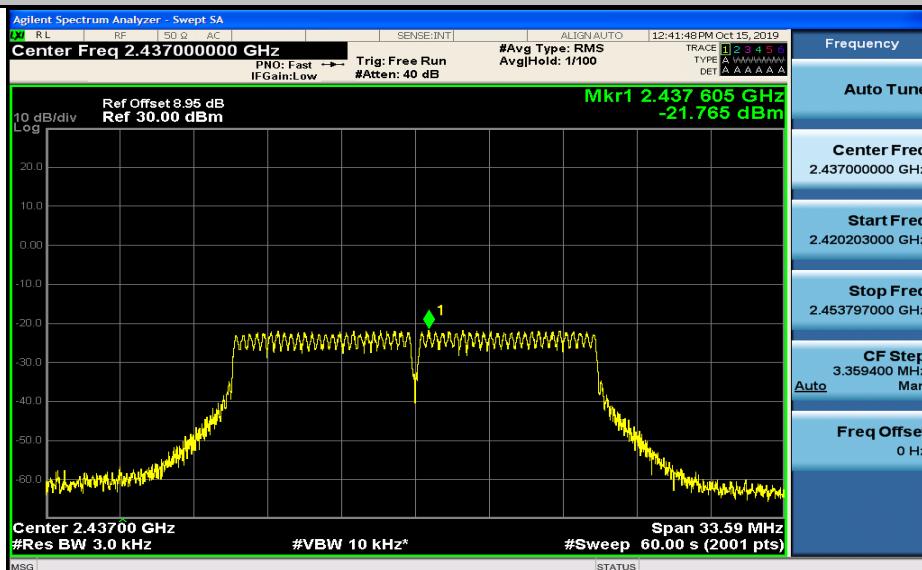
## Maximum(average) power spectral density\_11B\_2462\_Ant1



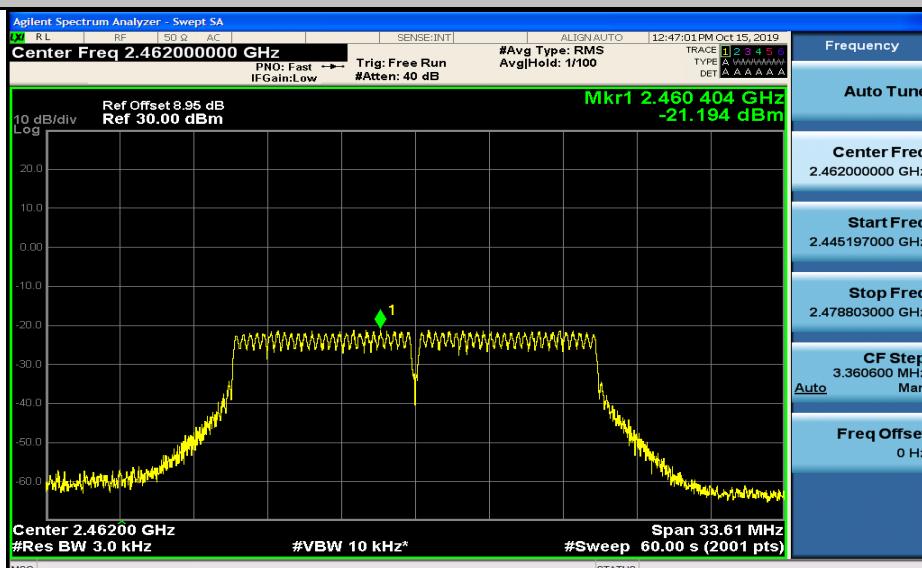
## Maximum(average) power spectral density\_11G\_2412\_Ant1



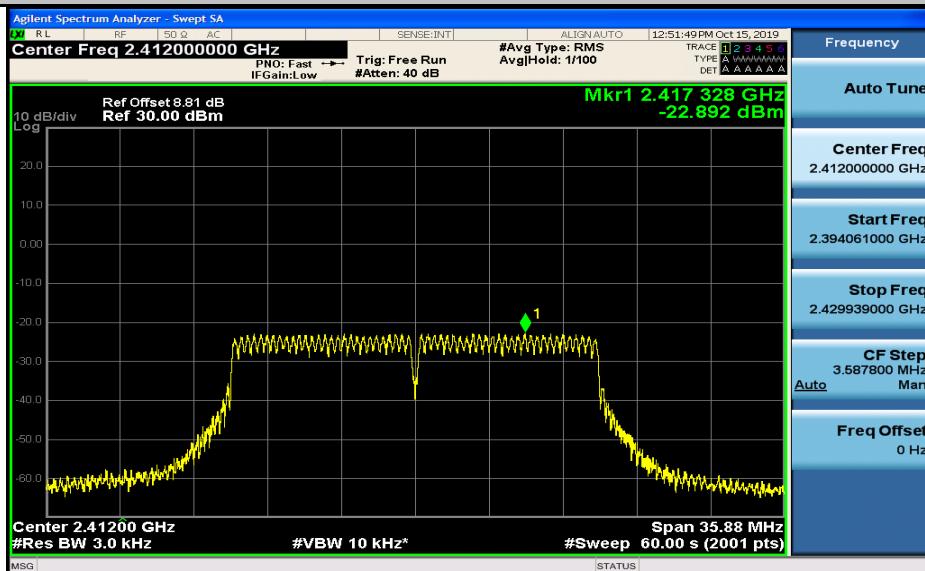
## Maximum(average) power spectral density\_11G\_2437\_Ant1



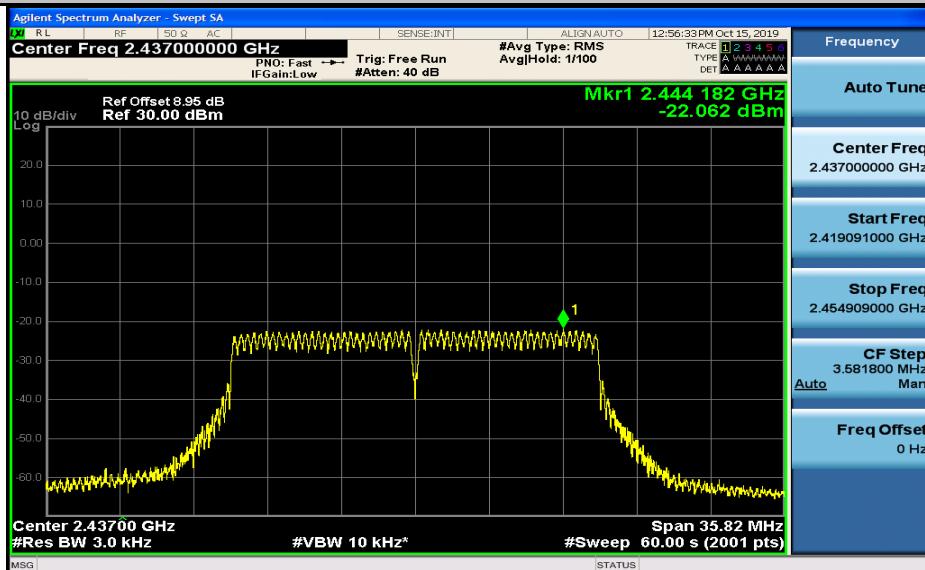
## Maximum(average) power spectral density\_11G\_2462\_Ant1



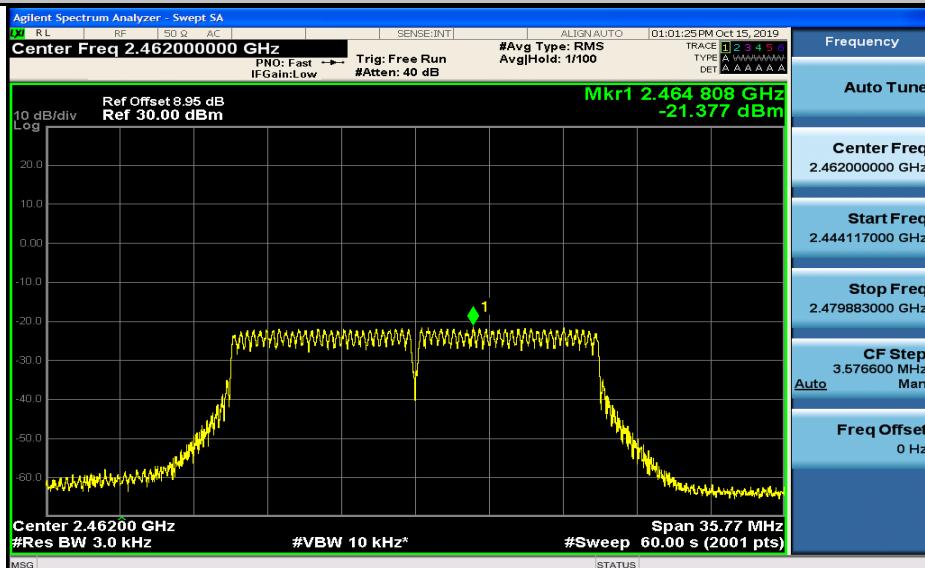
## Maximum(average) power spectral density\_11N20SISO\_2412\_Ant1



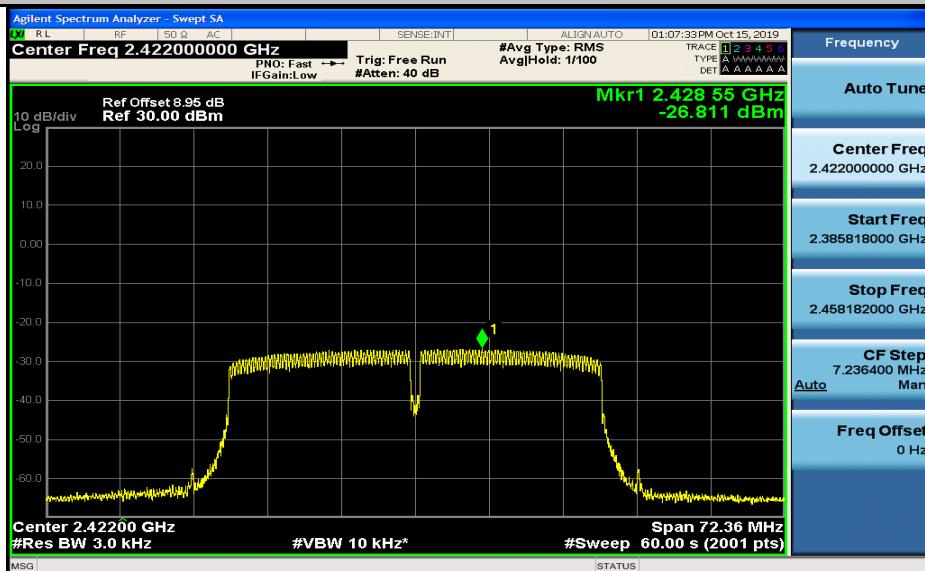
## Maximum(average) power spectral density\_11N20SISO\_2437\_Ant1



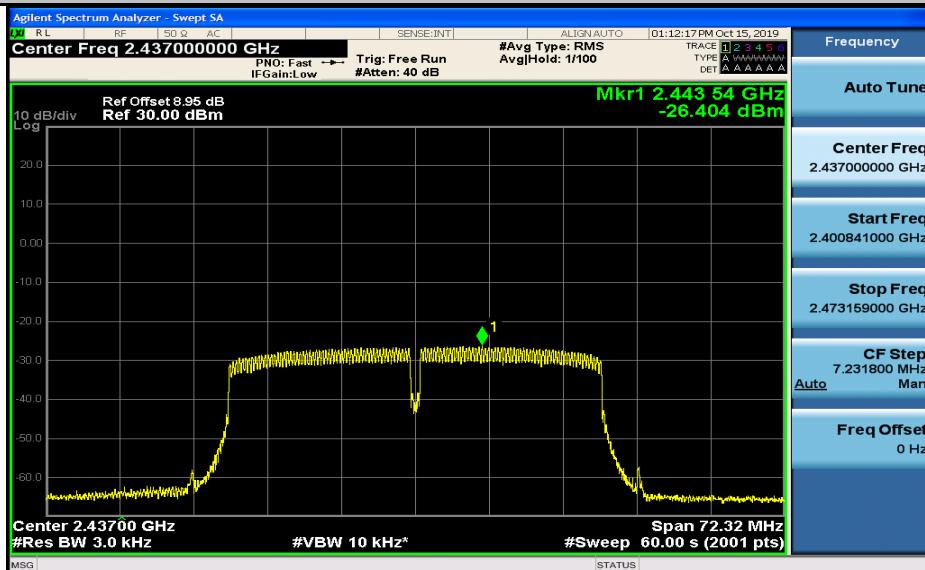
## Maximum(average) power spectral density\_11N20SISO\_2462\_Ant1



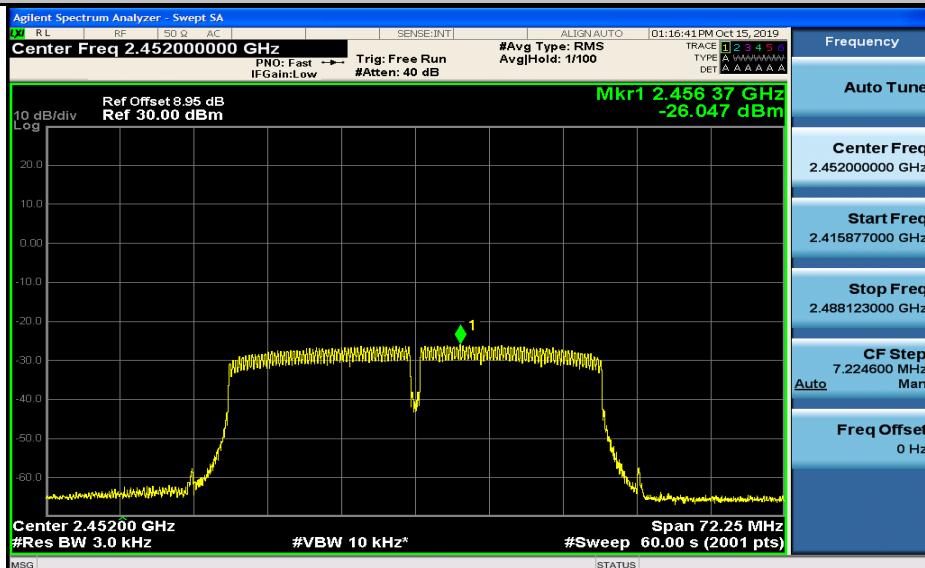
## Maximum(average) power spectral density\_11N40SISO\_2422\_Ant1



## Maximum(average) power spectral density\_11N40SISO\_2437\_Ant1



## Maximum(average) power spectral density\_11N40SISO\_2452\_Ant1

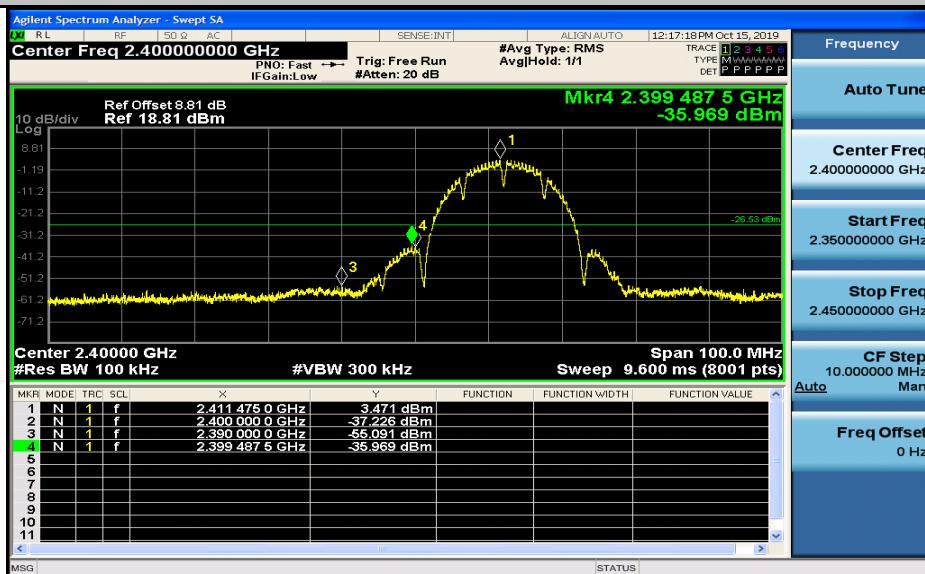




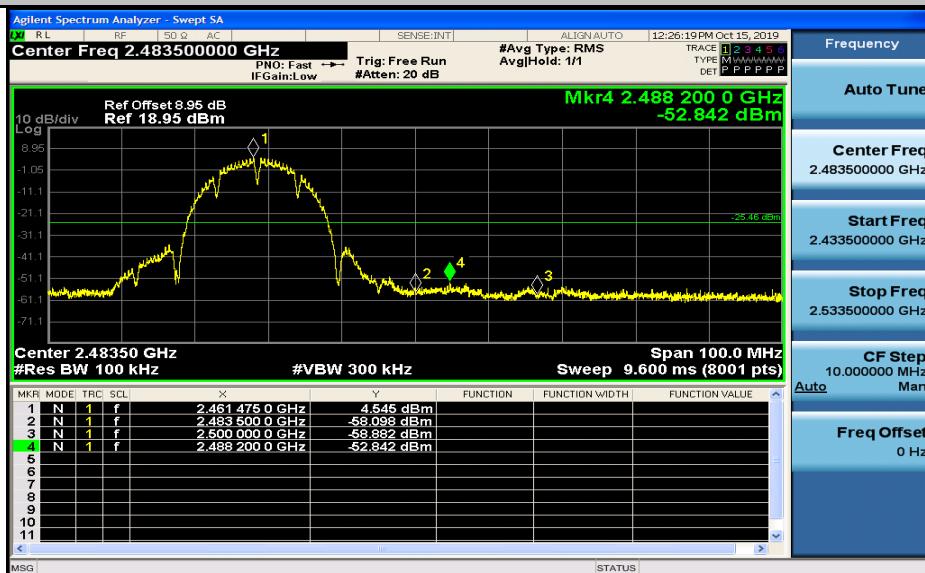
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	3.47	-35.97	-26.53	PASS
11B	2462	Ant1	4.55	-52.84	-25.46	PASS
11G	2412	Ant1	-2.12	-33.15	-32.12	PASS
11G	2462	Ant1	-0.93	-42.73	-30.93	PASS
11N20SISO	2412	Ant1	-2.07	-33.31	-32.07	PASS
11N20SISO	2462	Ant1	-0.69	-41.23	-30.69	PASS
11N40SISO	2422	Ant1	-5.68	-38.85	-35.68	PASS
11N40SISO	2452	Ant1	-5.12	-46.77	-35.12	PASS

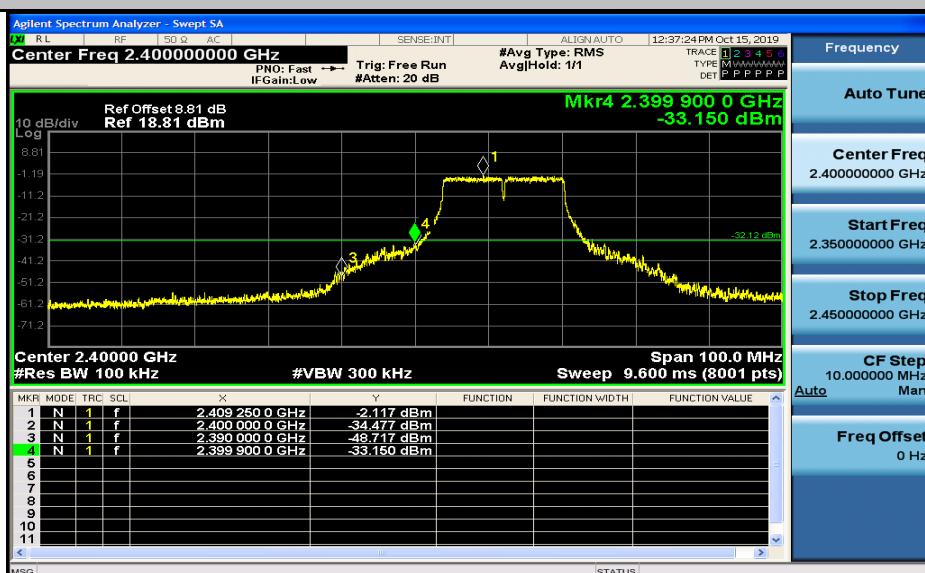
## Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



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



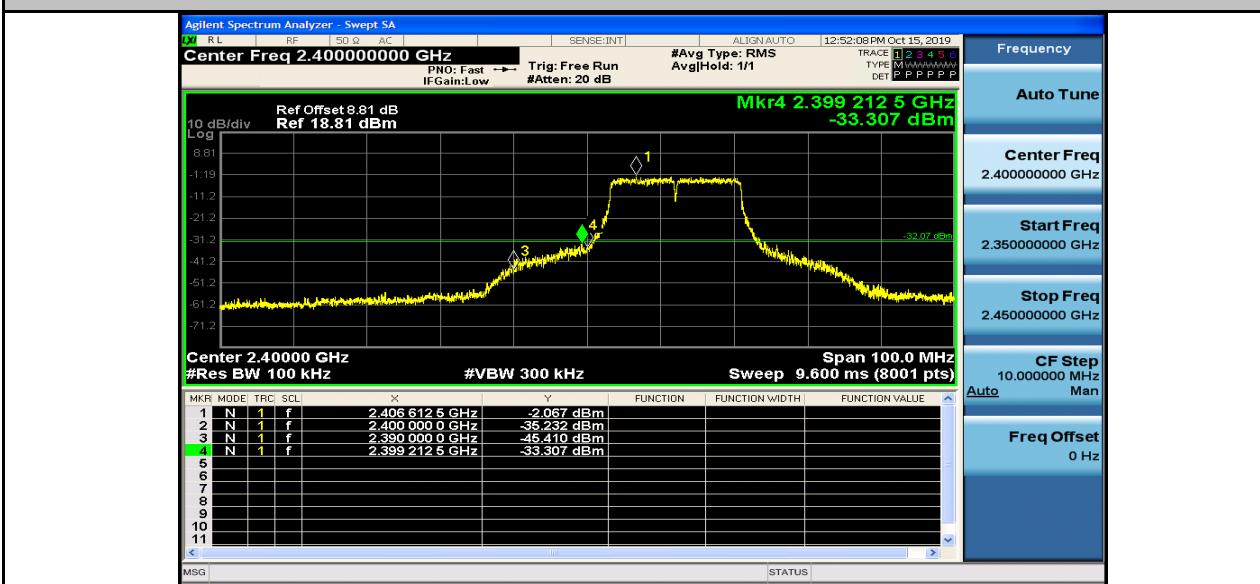
## Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



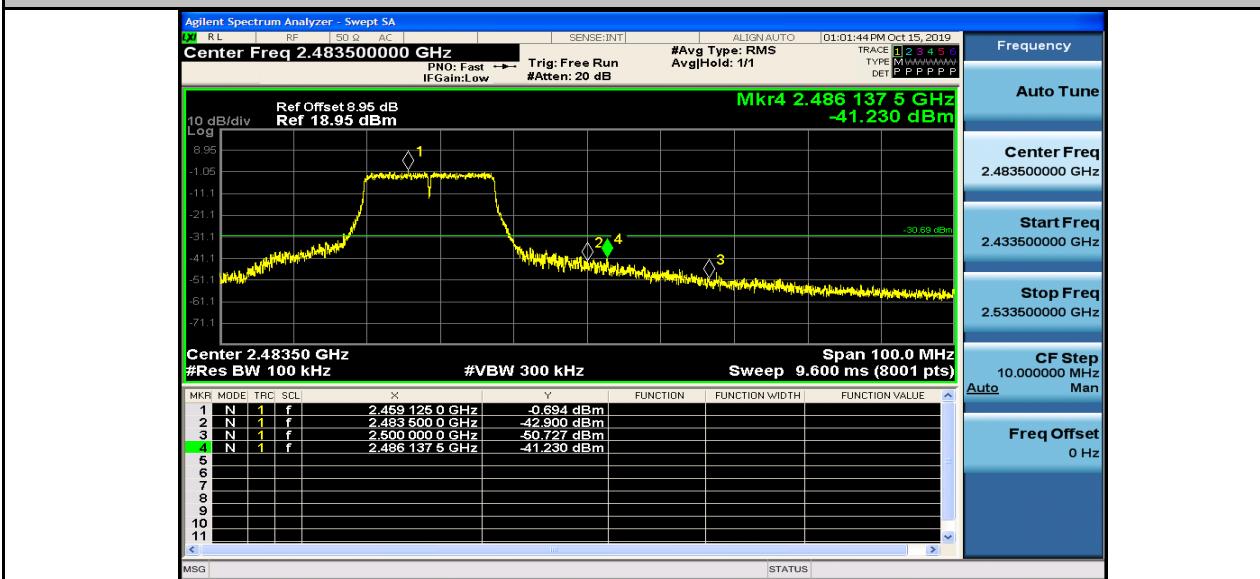
Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



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



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



## Band-edge for RF Conducted Emissions\_11N40SISO\_2422\_Ant1



## Band-edge for RF Conducted Emissions\_11N40SISO\_2452\_Ant1



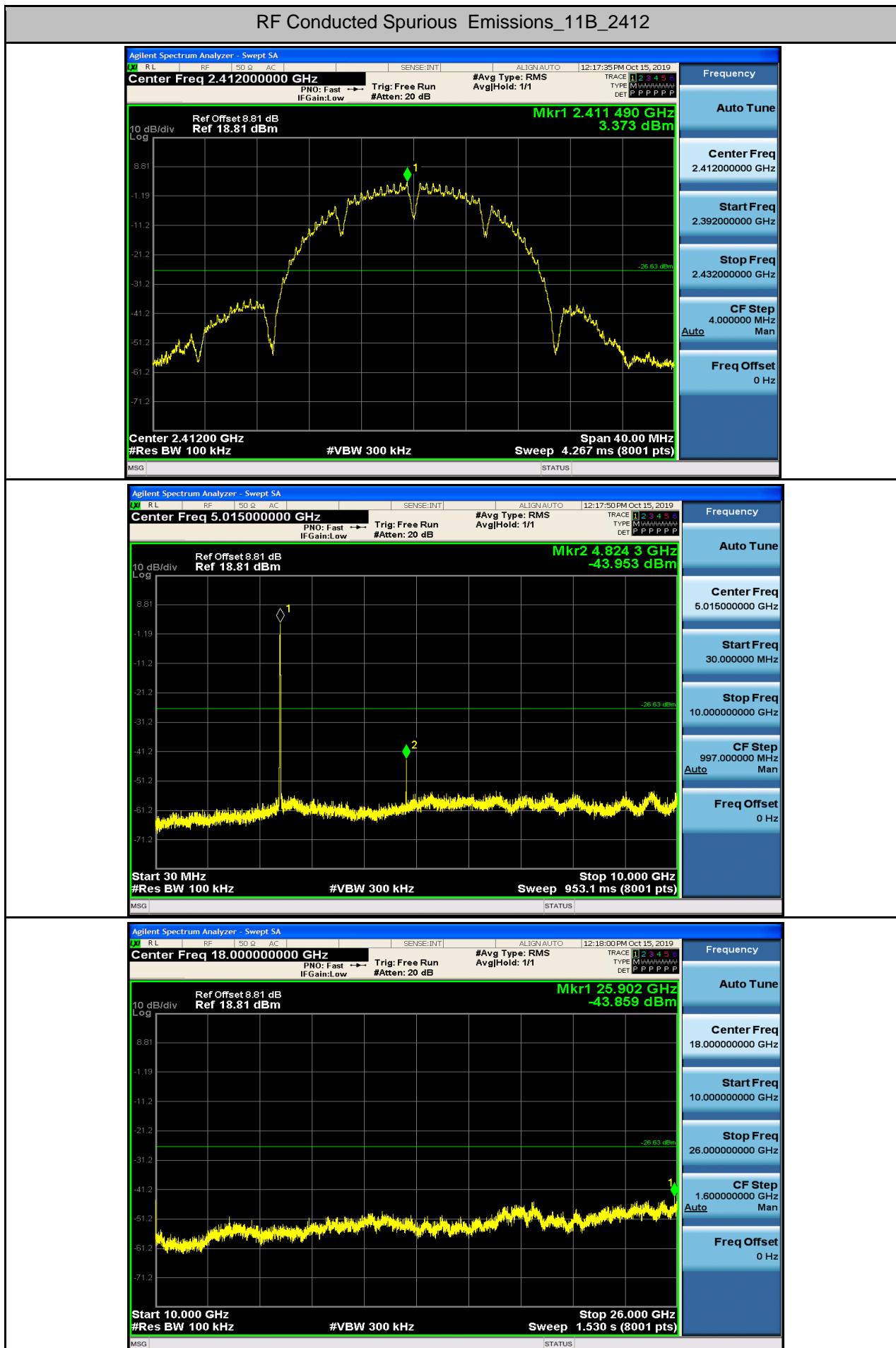


## 6.RF Conducted Spurious Emissions

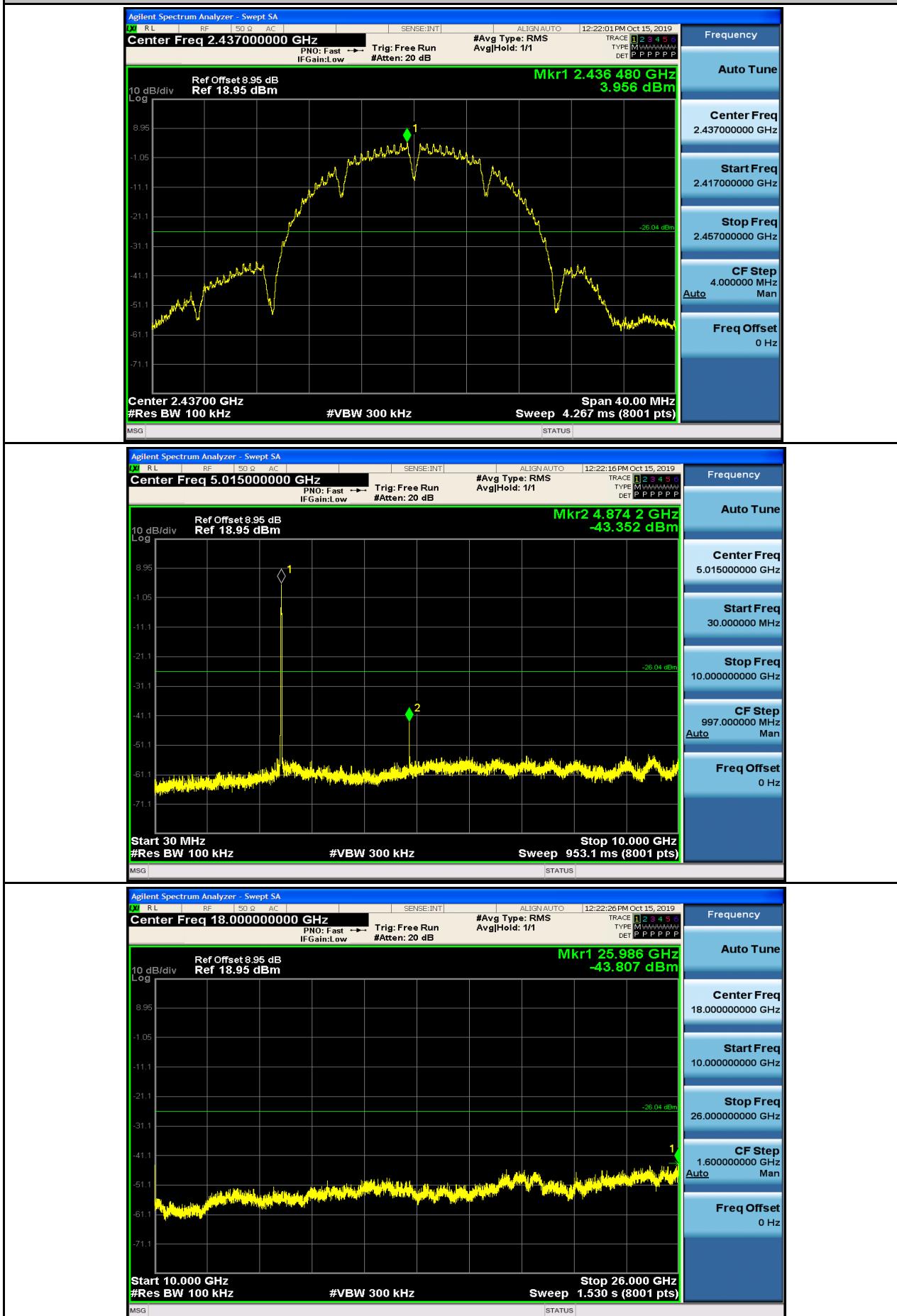
Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	30	10000	100	300	3.37	-43.95	<- 26.63	PASS
11B	2412	Ant1	10000	26000	100	300	3.373	-43.859	<- 26.627	PASS
11B	2437	Ant1	30	10000	100	300	3.96	-43.35	<- 26.04	PASS
11B	2437	Ant1	10000	26000	100	300	3.956	-43.807	<- 26.044	PASS
11B	2462	Ant1	30	10000	100	300	4.44	-44.90	<- 25.56	PASS
11B	2462	Ant1	10000	26000	100	300	4.437	-43.860	<- 25.563	PASS
11G	2412	Ant1	30	10000	100	300	-1.95	-44.70	<- 31.95	PASS
11G	2412	Ant1	10000	26000	100	300	-1.951	-44.405	<- 31.951	PASS
11G	2437	Ant1	30	10000	100	300	-1.26	-44.93	<- 31.26	PASS
11G	2437	Ant1	10000	26000	100	300	-1.26	-43.968	<- 31.26	PASS
11G	2462	Ant1	30	10000	100	300	-0.91	-44.76	<- 30.91	PASS
11G	2462	Ant1	10000	26000	100	300	-0.911	-42.310	<- 30.911	PASS
11N20SISO	2412	Ant1	30	10000	100	300	-1.89	-44.99	<- 31.89	PASS
11N20SISO	2412	Ant1	10000	26000	100	300	-1.892	-44.342	<- 31.892	PASS
11N20SISO	2437	Ant1	30	10000	100	300	-1.37	-44.37	<- 31.37	PASS
11N20SISO	2437	Ant1	10000	26000	100	300	-1.372	-43.737	<- 31.372	PASS
11N20SISO	2462	Ant1	30	10000	100	300	-0.54	-44.24	<- 30.54	PASS
11N20SISO	2462	Ant1	10000	26000	100	300	-0.535	-43.634	<- 30.535	PASS
11N40SISO	2422	Ant1	30	10000	100	300	-5.70	-43.71	<- 35.70	PASS
11N40SISO	2422	Ant1	10000	26000	100	300	-5.702	-43.250	<- 35.702	PASS
11N40SISO	2437	Ant1	30	10000	100	300	-5.54	-45.43	<- 35.54	PASS
11N40SISO	2437	Ant1	10000	26000	100	300	-5.54	-43.826	<- 35.54	PASS
11N40SISO	2452	Ant1	30	10000	100	300	-5.09	-44.03	<- 35.09	PASS



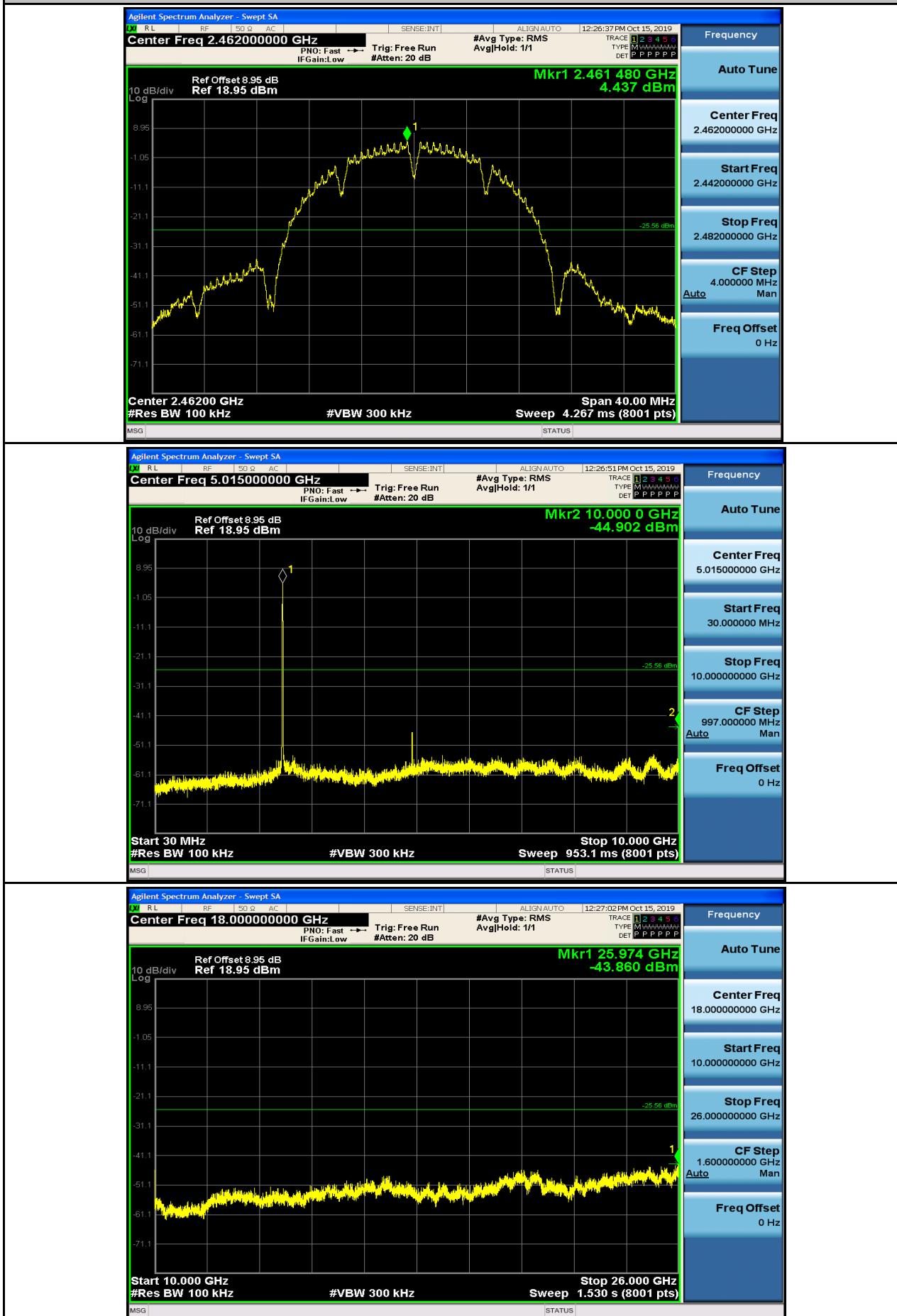
11N40SISO	2452	Ant1	10000	26000	100	300	-5.091	-43.838	< 35.091	PASS
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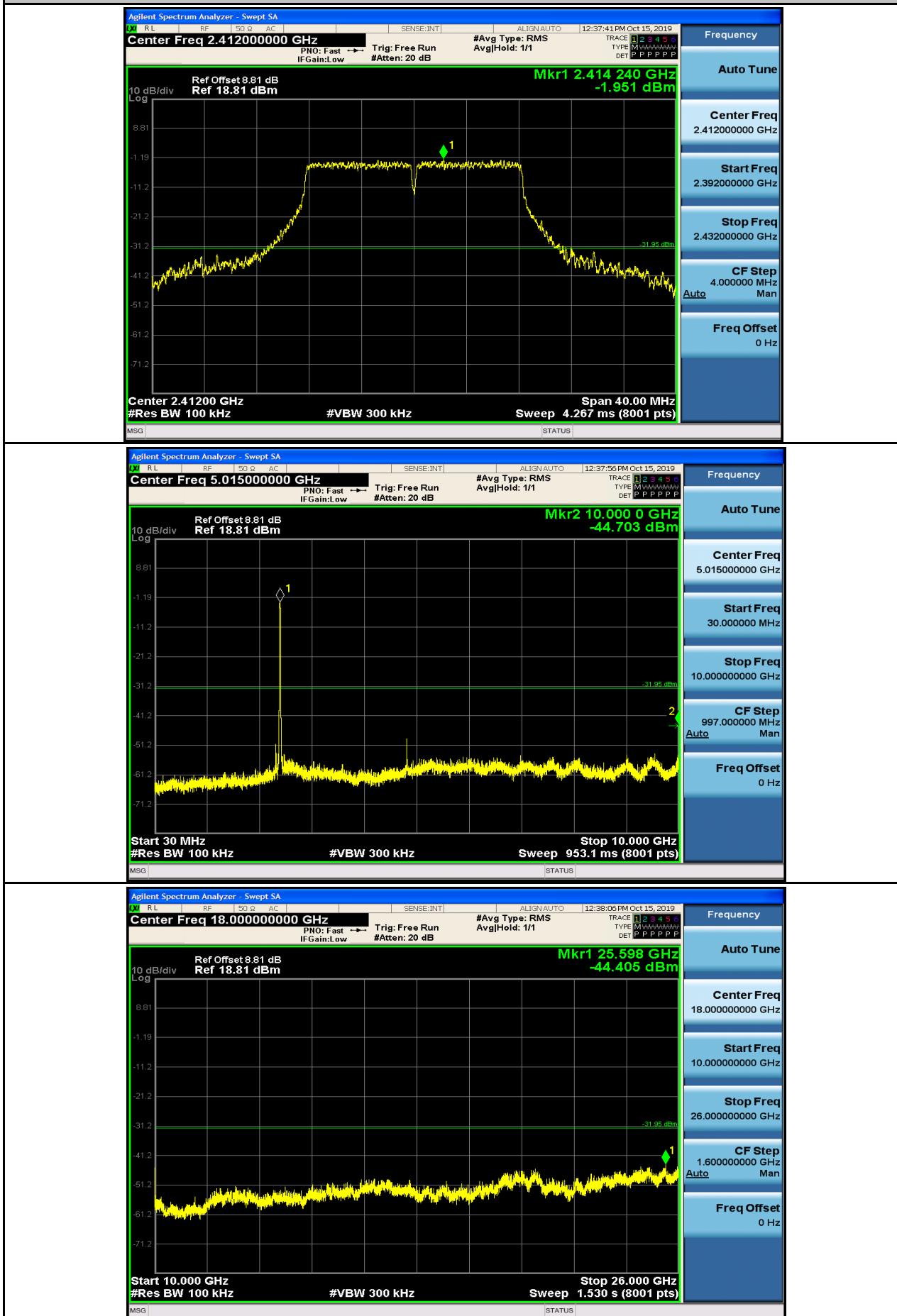
## RF Conducted Spurious Emissions\_11B\_2437



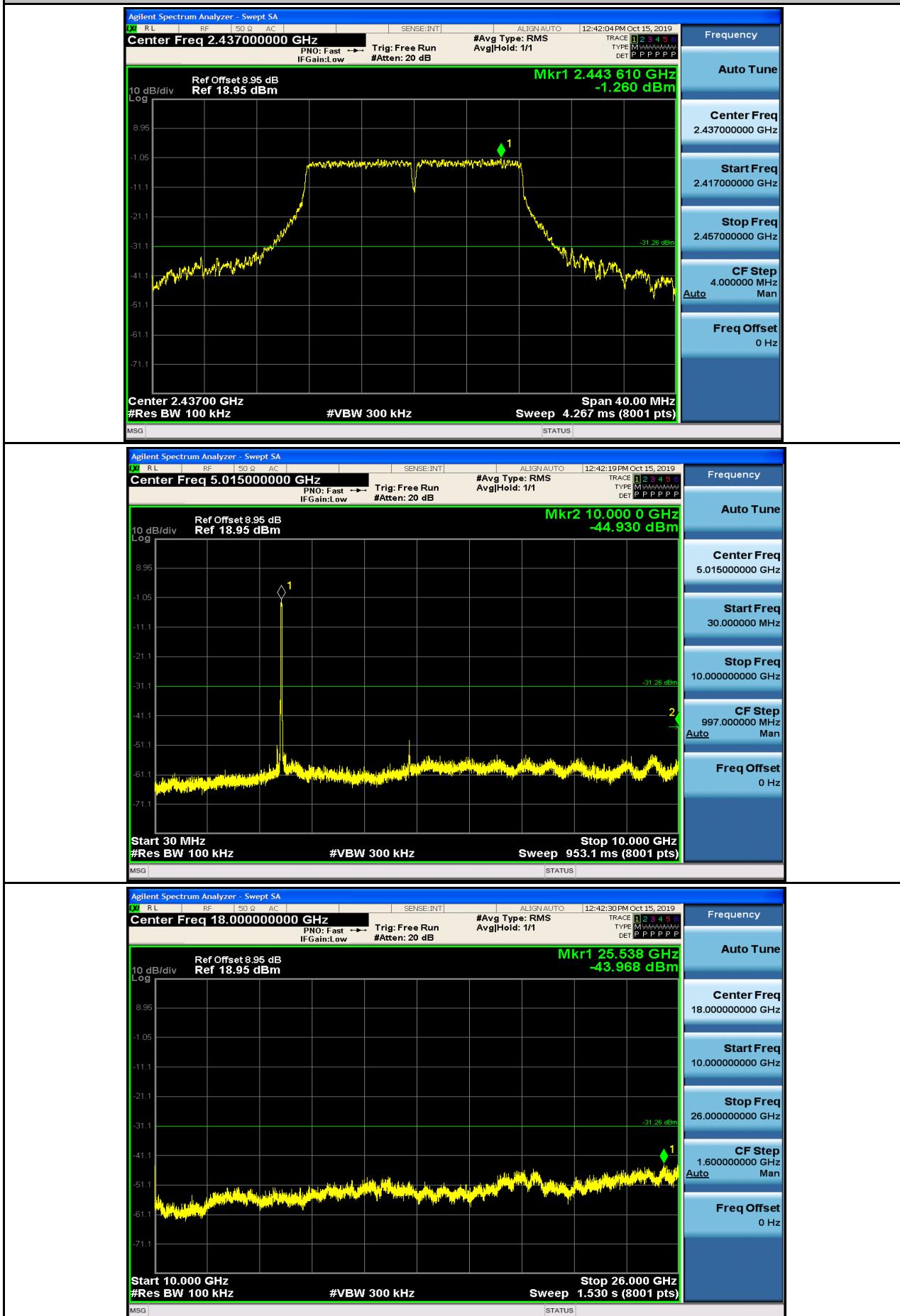
## RF Conducted Spurious Emissions\_11B\_2462



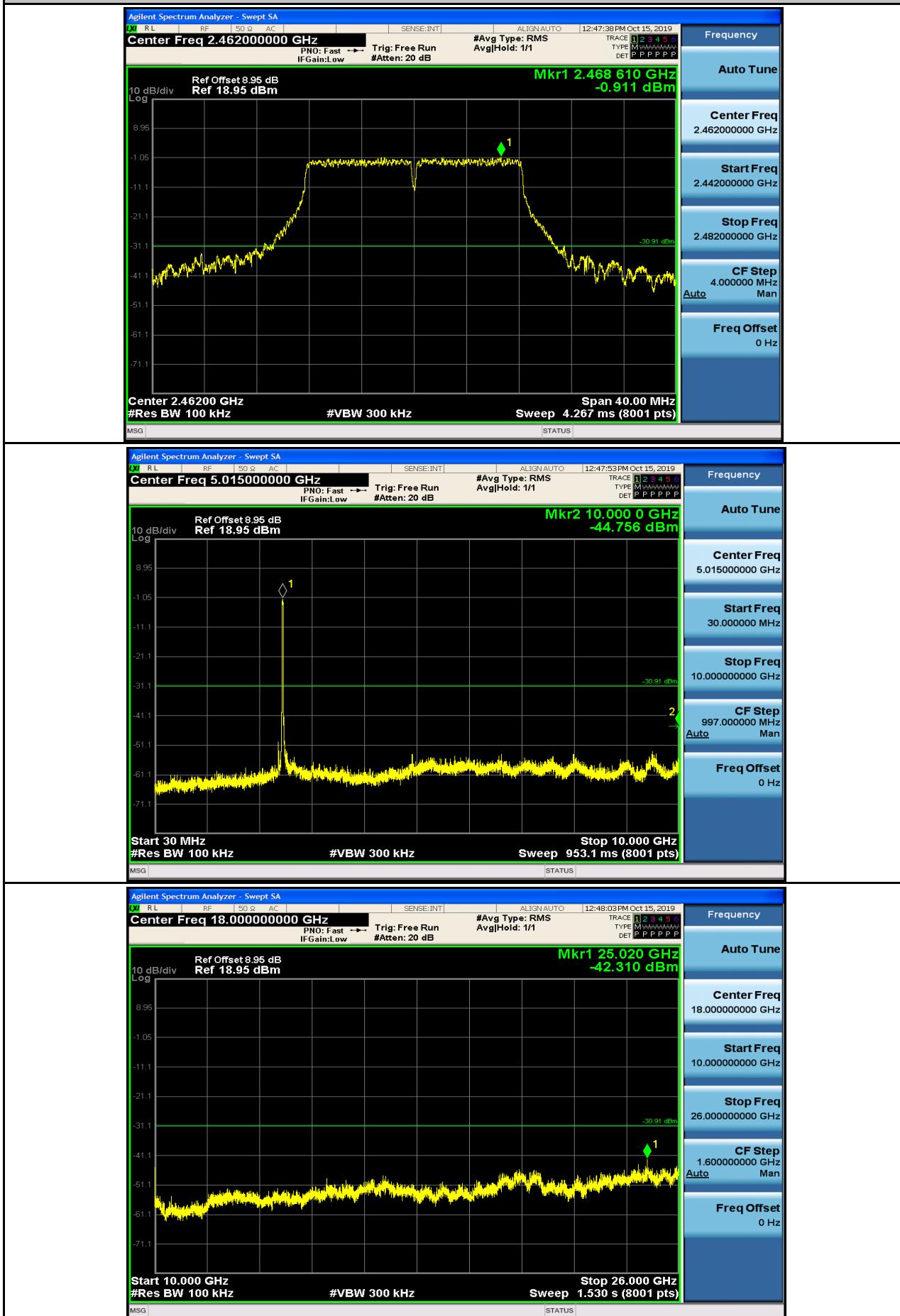
## RF Conducted Spurious Emissions\_11G\_2412



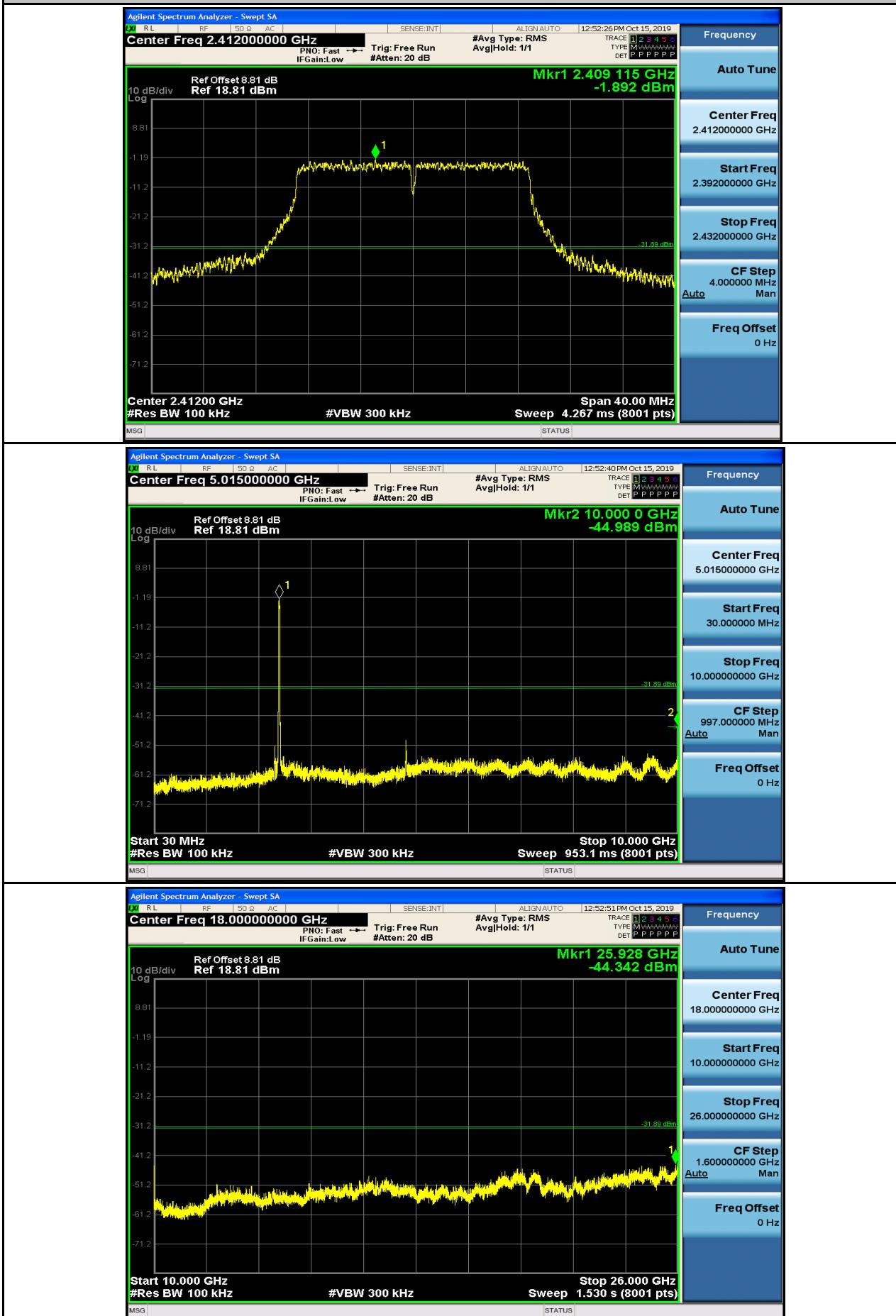
## RF Conducted Spurious Emissions\_11G\_2437



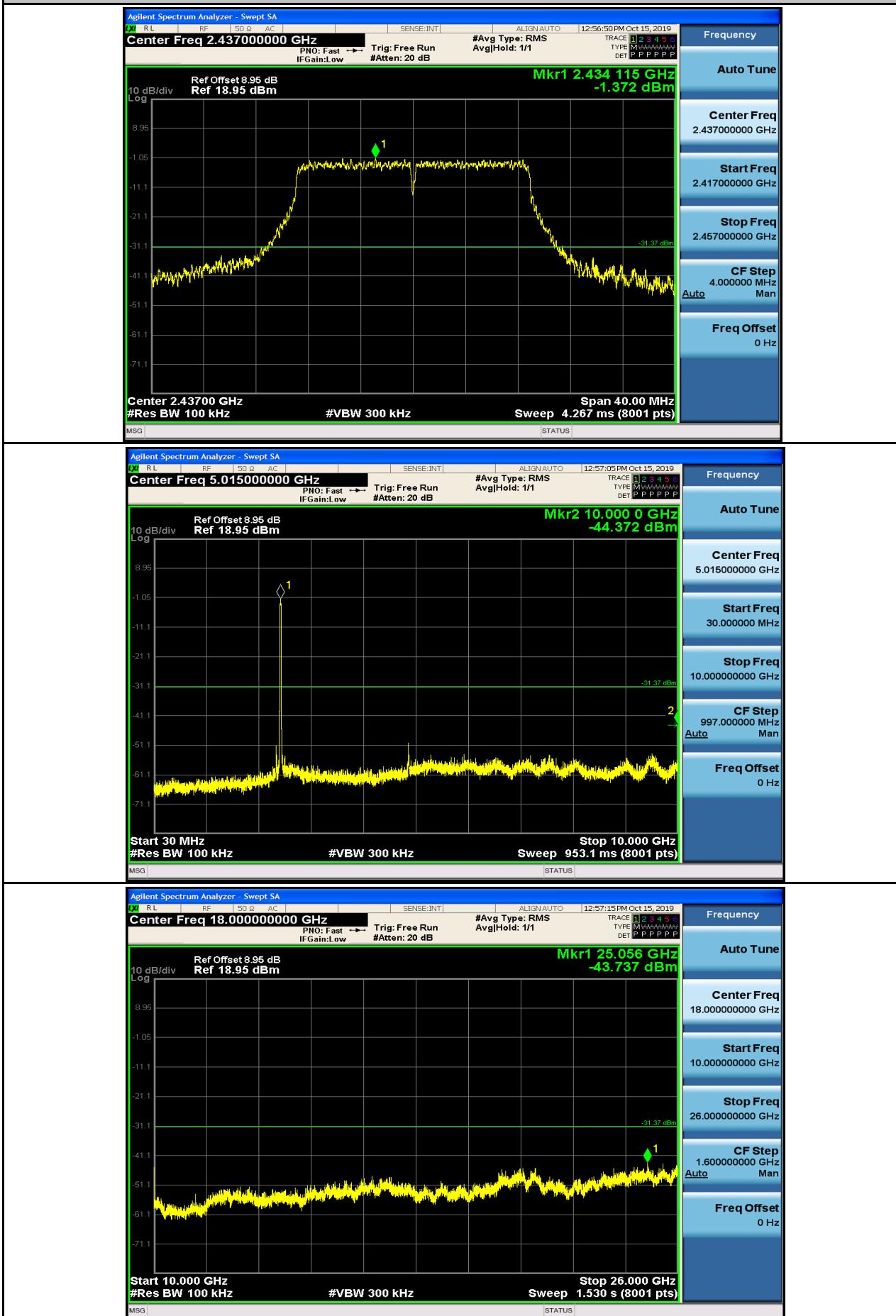
## RF Conducted Spurious Emissions\_11G\_2462



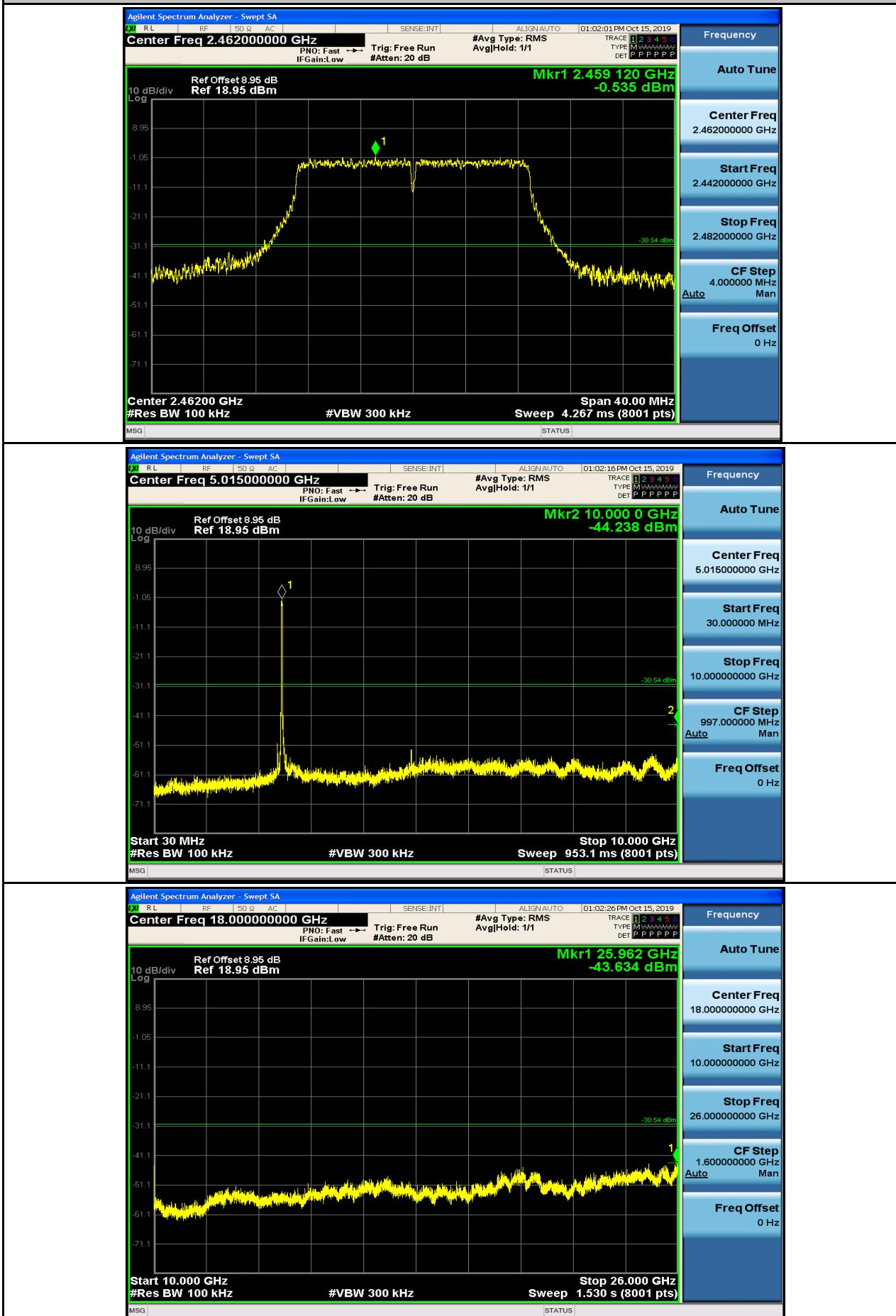
## RF Conducted Spurious Emissions\_11N20SISO\_2412



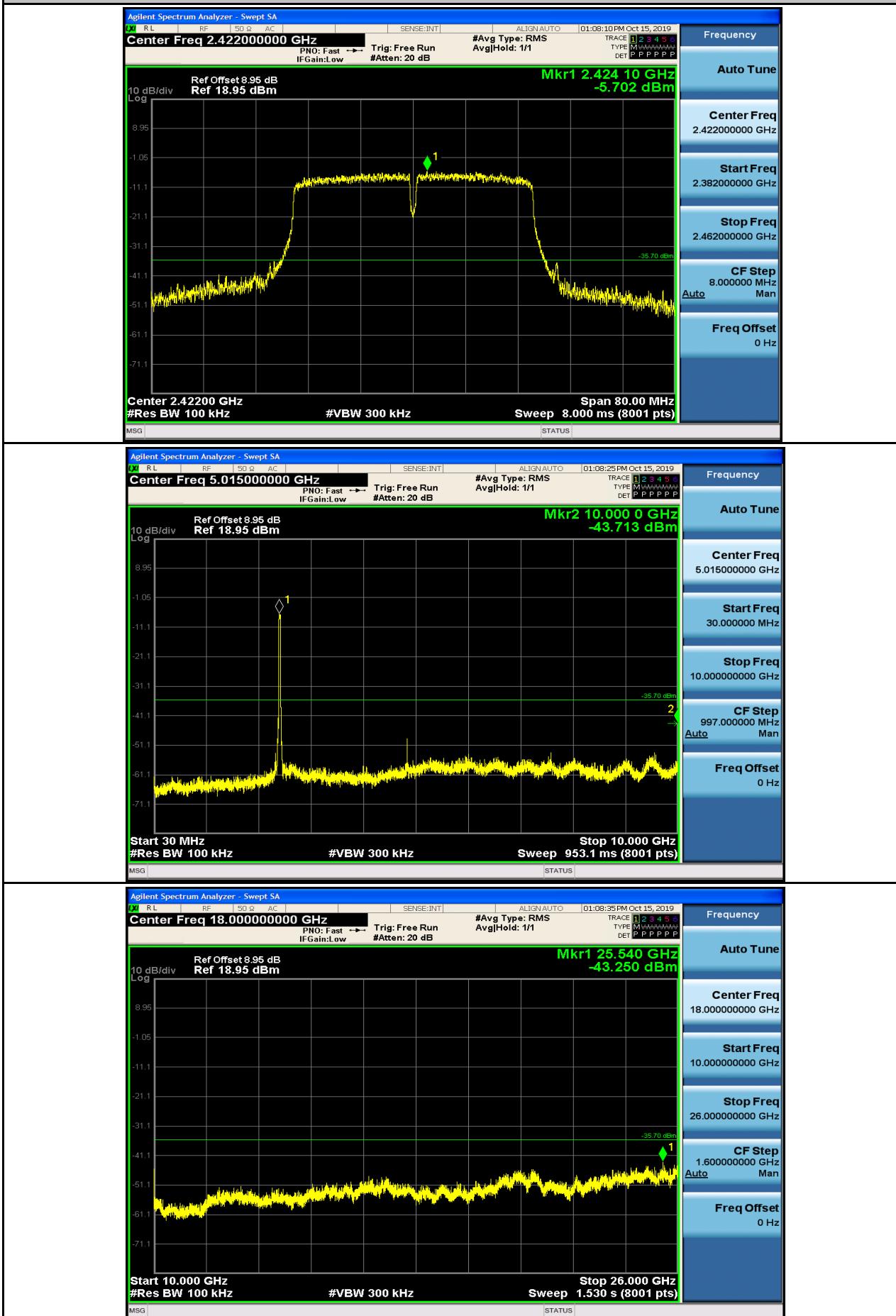
## RF Conducted Spurious Emissions\_11N20SISO\_2437



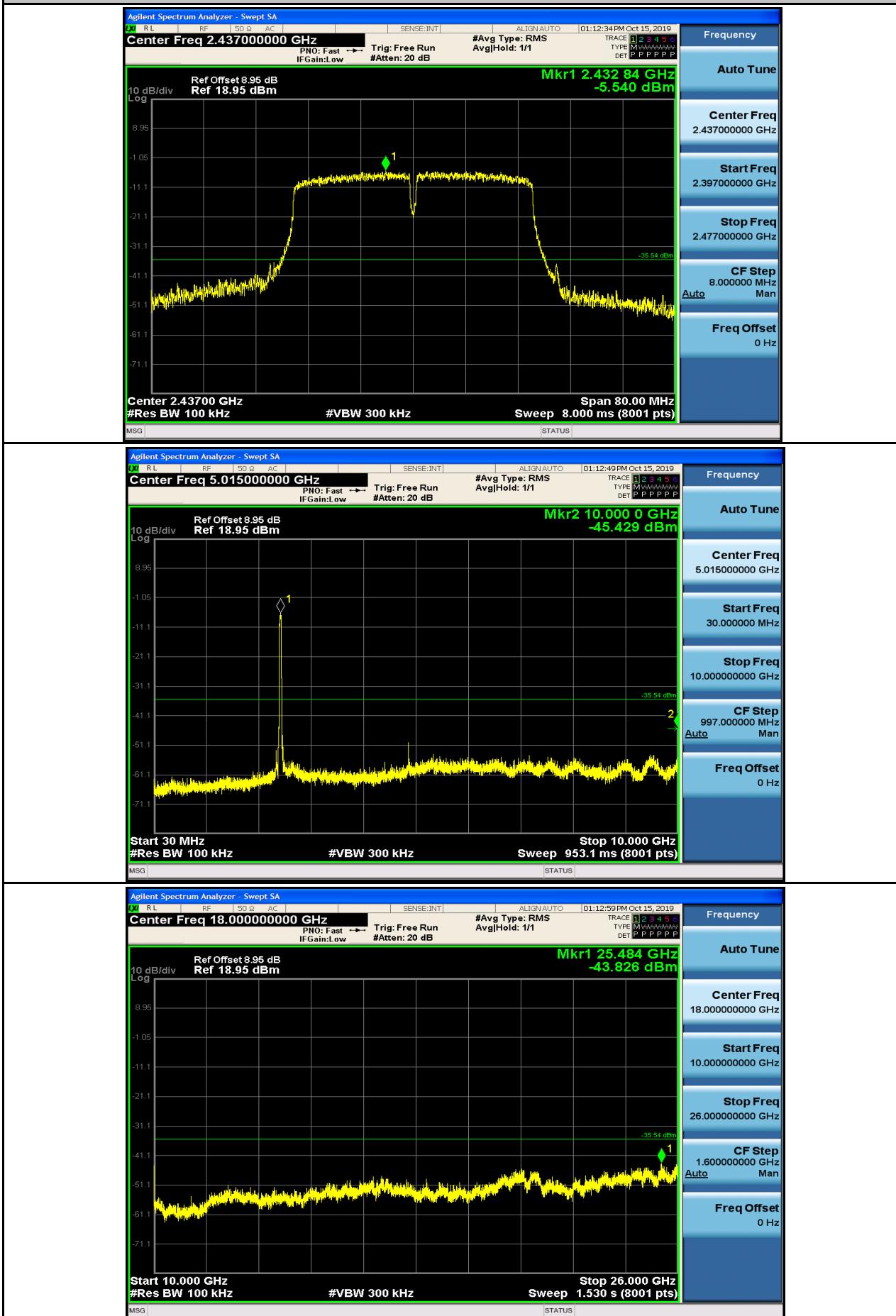
## RF Conducted Spurious Emissions\_11N20SISO\_2462



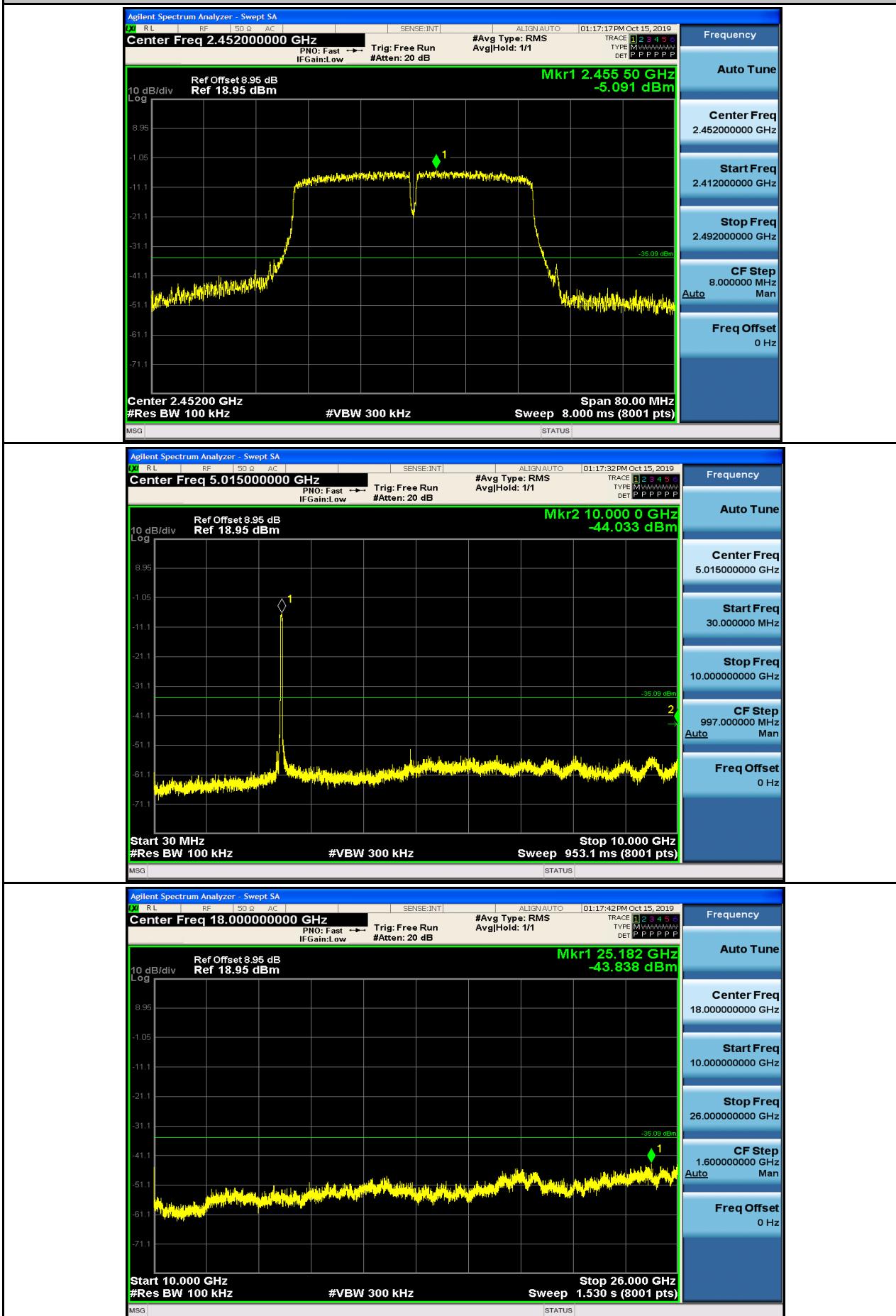
## RF Conducted Spurious Emissions\_11N40SISO\_2422



## RF Conducted Spurious Emissions\_11N40SISO\_2437



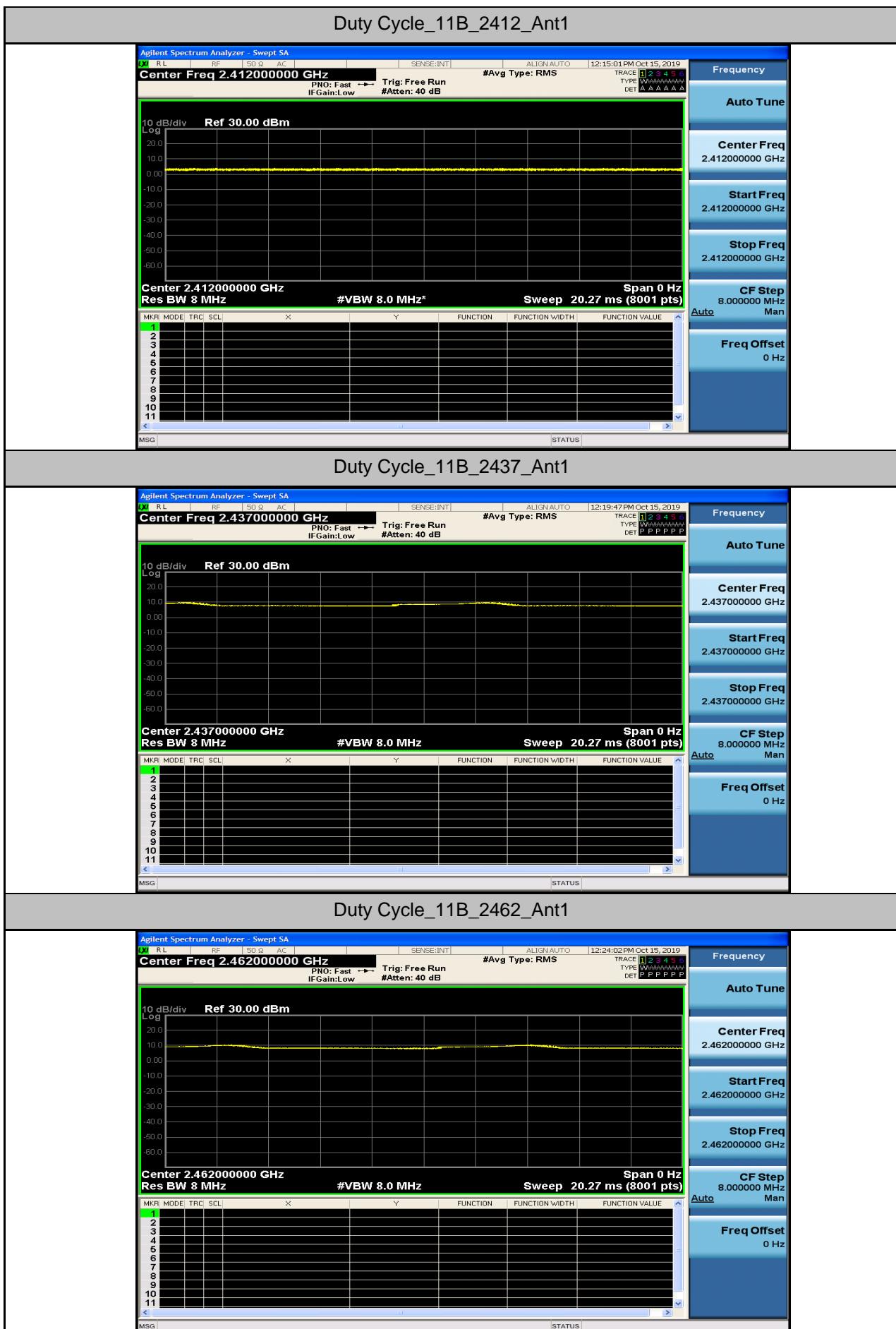
## RF Conducted Spurious Emissions\_11N40SISO\_2452



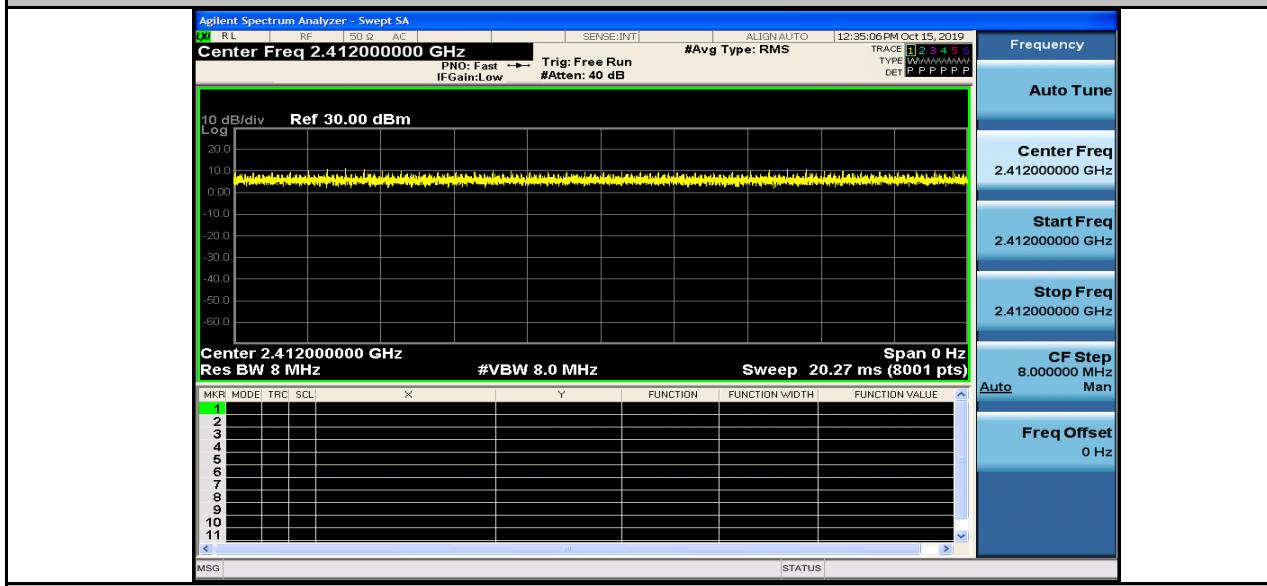


## 7.Duty Cycle

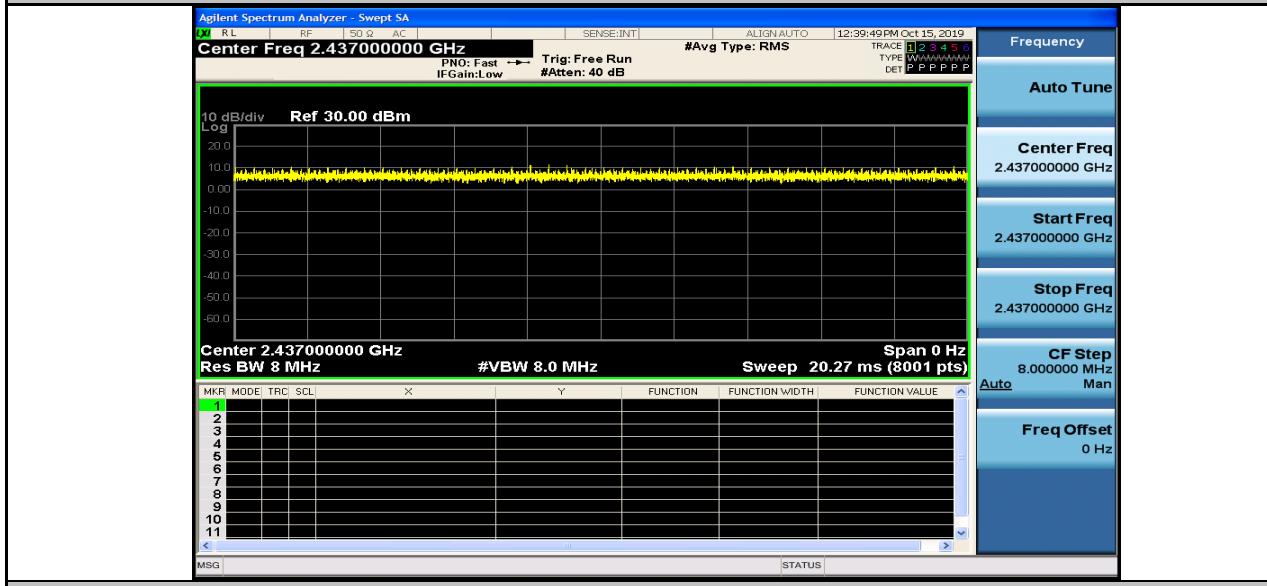
Test Mode	Test Channel	Ant	Duty Cycle[%]	10log(1/x) Factor[dB]
11B	2412	Ant1	100.00	0.00
11B	2437	Ant1	100.00	0.00
11B	2462	Ant1	100.00	0.00
11G	2412	Ant1	100.00	0.00
11G	2437	Ant1	100.00	0.00
11G	2462	Ant1	100.00	0.00
11N20SISO	2412	Ant1	100.00	0.00
11N20SISO	2437	Ant1	100.00	0.00
11N20SISO	2462	Ant1	100.00	0.00
11N40SISO	2422	Ant1	100.00	0.00
11N40SISO	2437	Ant1	100.00	0.00
11N40SISO	2452	Ant1	100.00	0.00



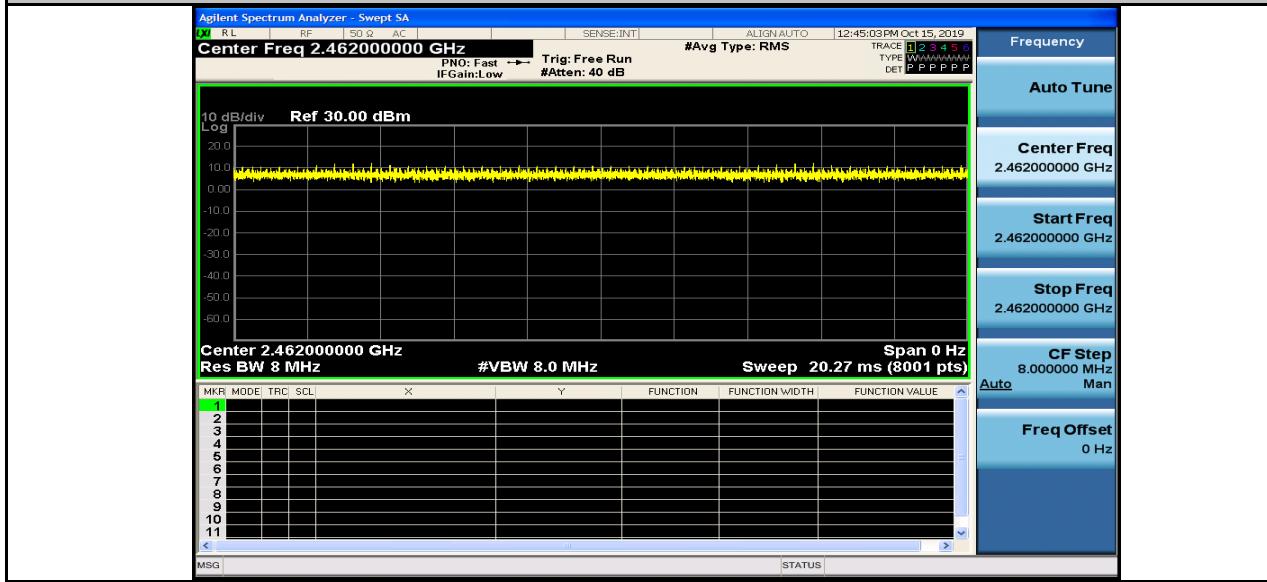
## Duty Cycle\_11G\_2412\_Ant1



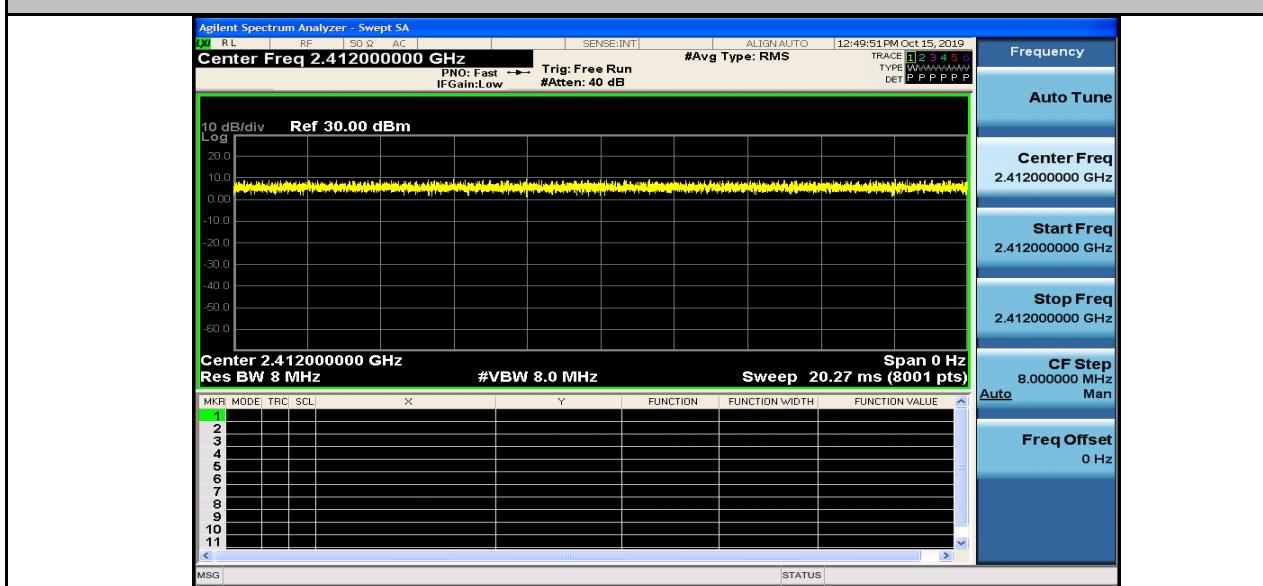
## Duty Cycle\_11G\_2437\_Ant1



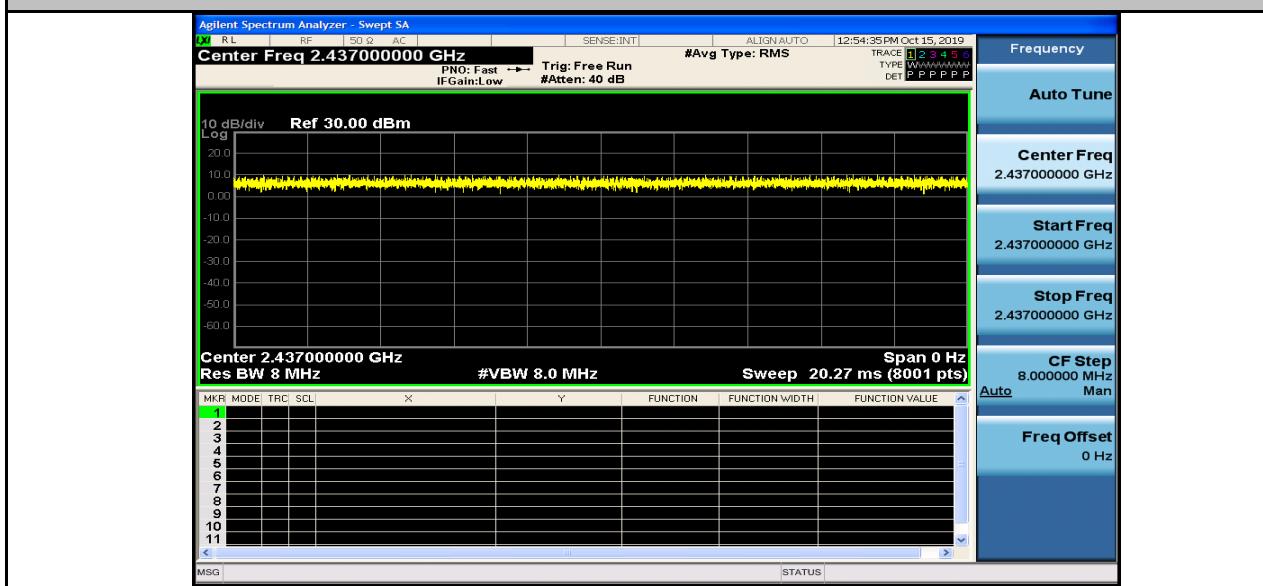
## Duty Cycle\_11G\_2462\_Ant1



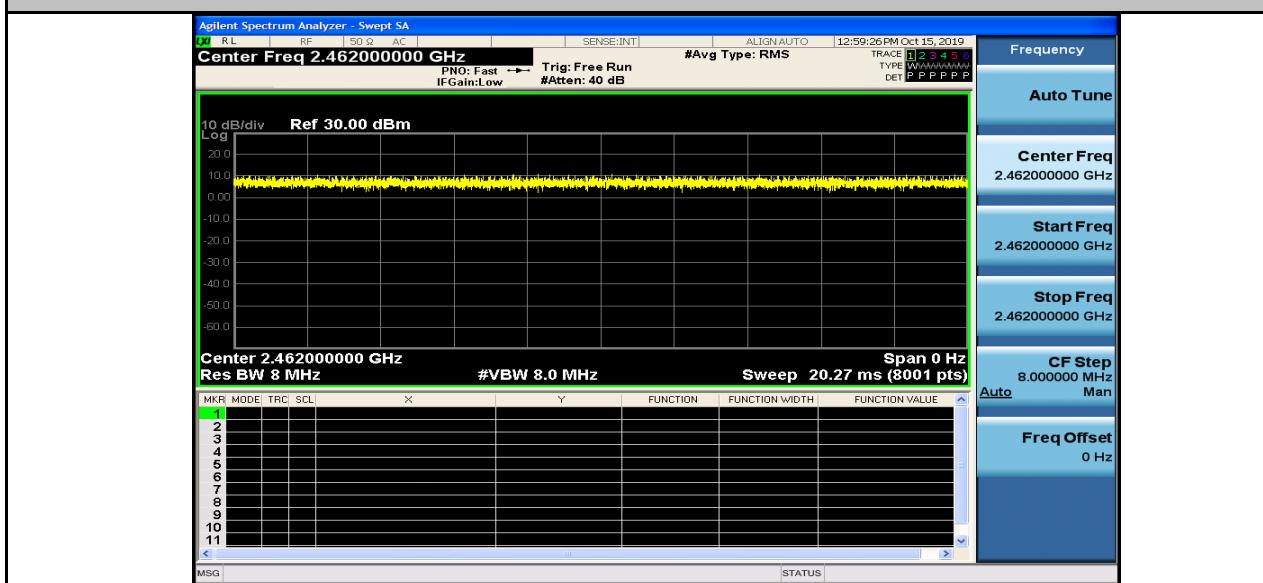
## Duty Cycle\_11N20SISO\_2412\_Ant1



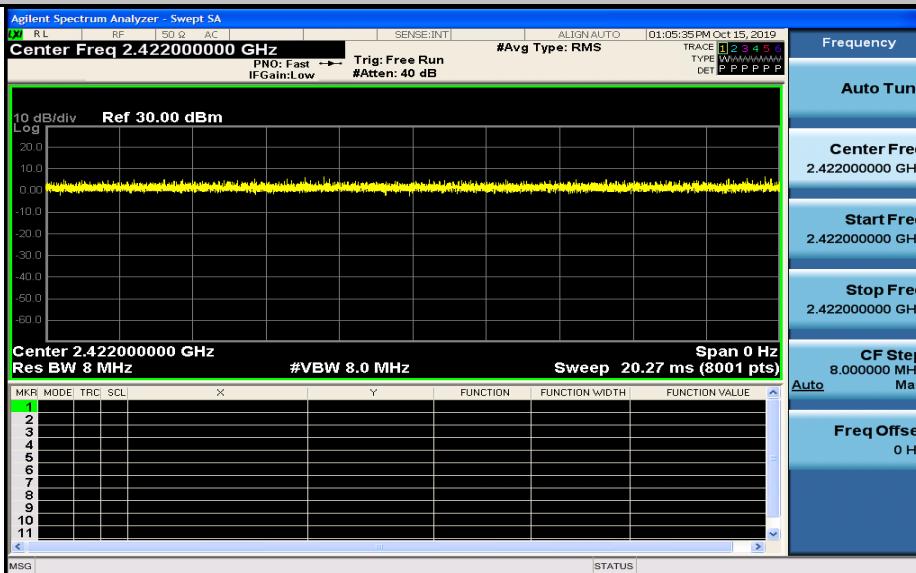
## Duty Cycle\_11N20SISO\_2437\_Ant1



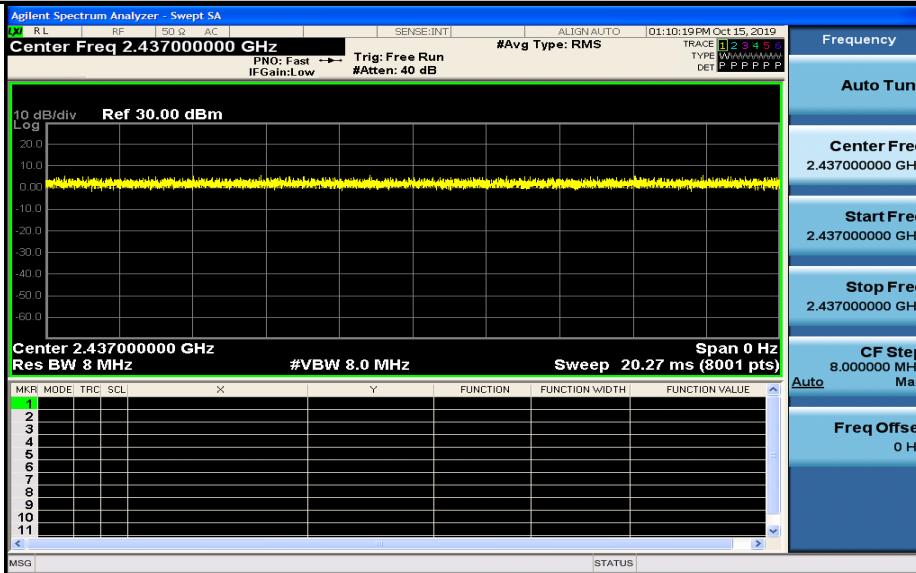
## Duty Cycle\_11N20SISO\_2462\_Ant1



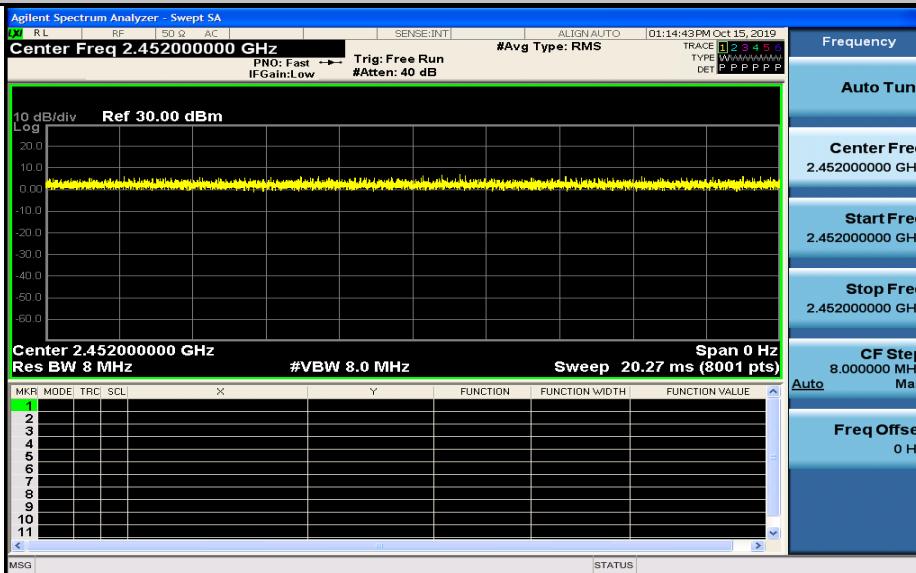
## Duty Cycle\_11N40SISO\_2422\_Ant1



## Duty Cycle\_11N40SISO\_2437\_Ant1



## Duty Cycle\_11N40SISO\_2452\_Ant1





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