



# Appendix for Test report

## Appendix A: DTS (6 dB) Bandwidth

In this document, the "DTS6dBBW" refers to the measured "DTS (6 dB) Bandwidth" value. In this Appendix, the "fc(DTS6dBBW)" refers to the centre of the measured "DTS6dBBW". The introduction of the "fc(DTS6dBBW)" is due to that other measurements use it as the spectrum analyzer setting.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

### Part I - Test Results

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.93	2408.07	2416.0	---	PASS
11B	Ant1	2437	7.94	2433.06	2441.0	---	PASS
11B	Ant1	2462	8.17	2457.91	2466.08	---	PASS
11G	Ant1	2412	16.38	2403.84	2420.22	---	PASS
11G	Ant1	2417	16.33	2408.86	2425.18	---	PASS
11G	Ant1	2437	16.46	2428.8	2445.25	---	PASS
11G	Ant1	2457	16.38	2448.85	2465.23	---	PASS
11G	Ant1	2462	16.36	2453.84	2470.19	---	PASS
11N20SISO	Ant1	2412	17.31	2403.51	2420.81	---	PASS
11N20SISO	Ant1	2417	17.58	2408.23	2425.8	---	PASS
11N20SISO	Ant1	2437	17.61	2428.23	2445.84	---	PASS
11N20SISO	Ant1	2457	17.58	2448.24	2465.81	---	PASS
11N20SISO	Ant1	2462	17.58	2453.23	2470.81	---	PASS
11N40SISO	Ant1	2422	34.05	2405.51	2439.56	---	PASS
11N40SISO	Ant1	2427	35.07	2409.48	2444.54	---	PASS
11N40SISO	Ant1	2437	36.29	2418.87	2455.16	---	PASS
11N40SISO	Ant1	2447	35.24	2429.54	2464.78	---	PASS
11N40SISO	Ant1	2452	32.63	2436.94	2469.57	---	PASS

Part II - Test Graphs

1.1 11B\_Ant1\_2412



1.2 11B\_Ant1\_2437



1.3 11B\_Ant1\_2462



1.4 11G\_Ant1\_2412

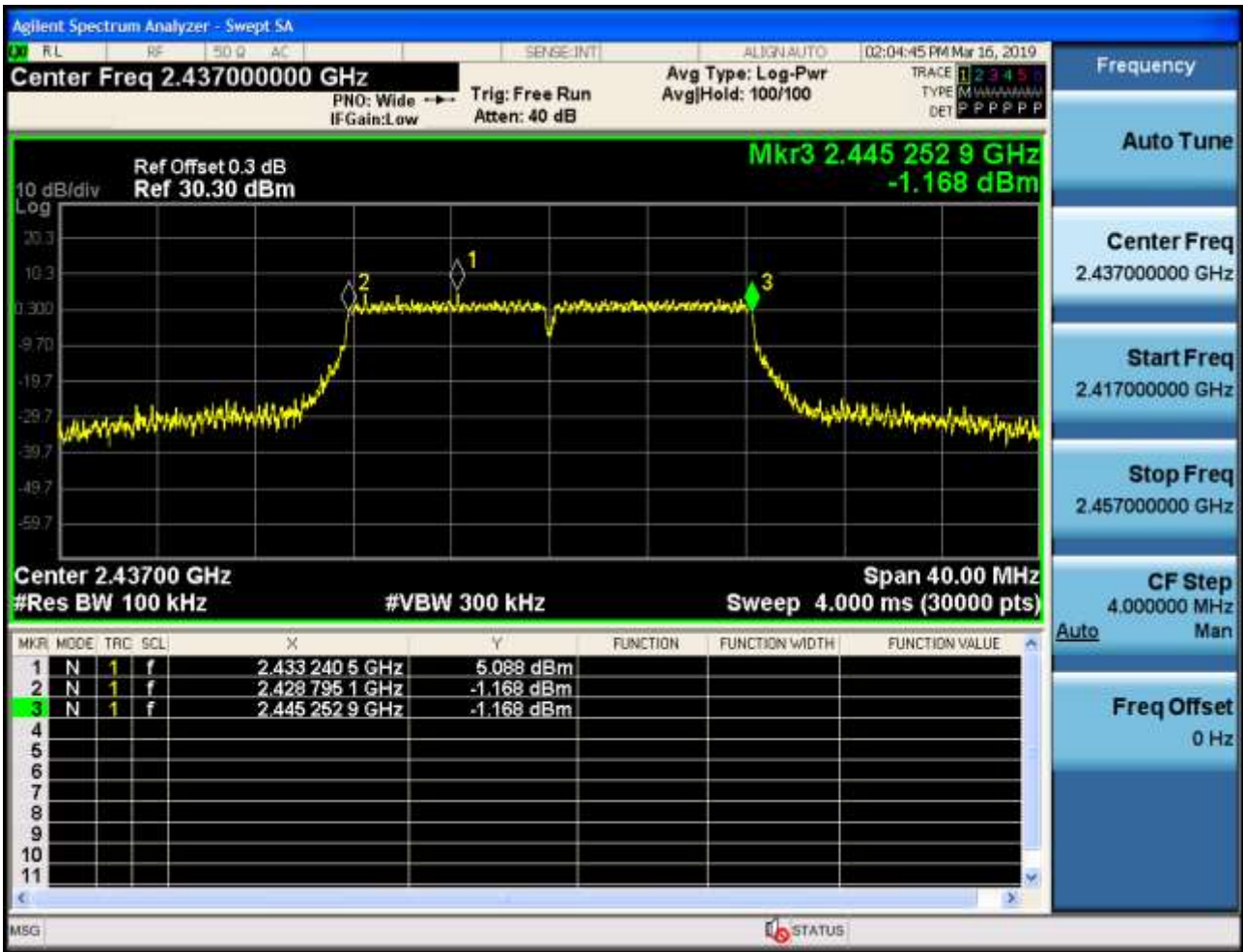




1.5 11G\_Ant1\_2417



1.6 11G\_Ant1\_2437

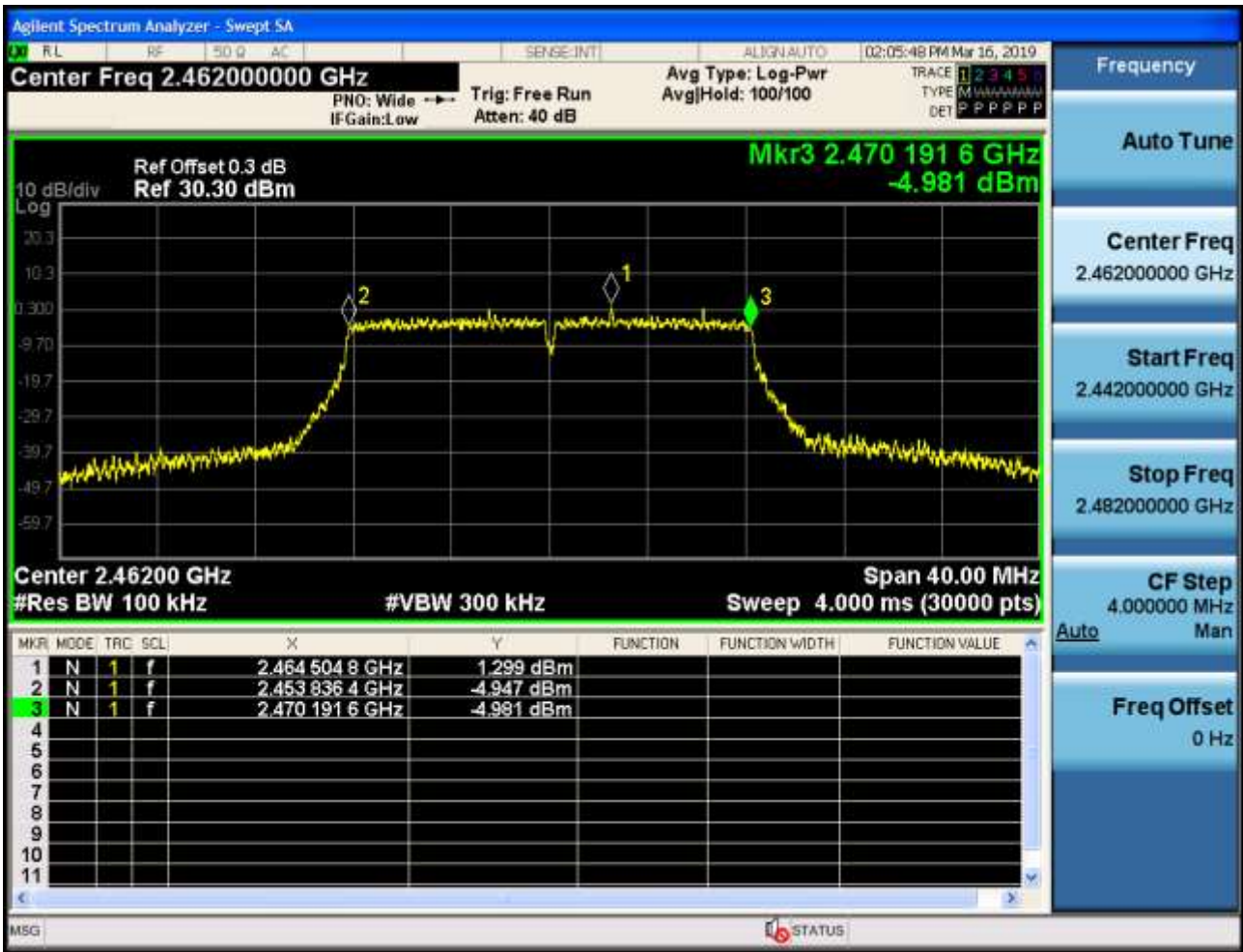




1.7 11G\_Ant1\_2457



1.8 11G\_Ant1\_2462



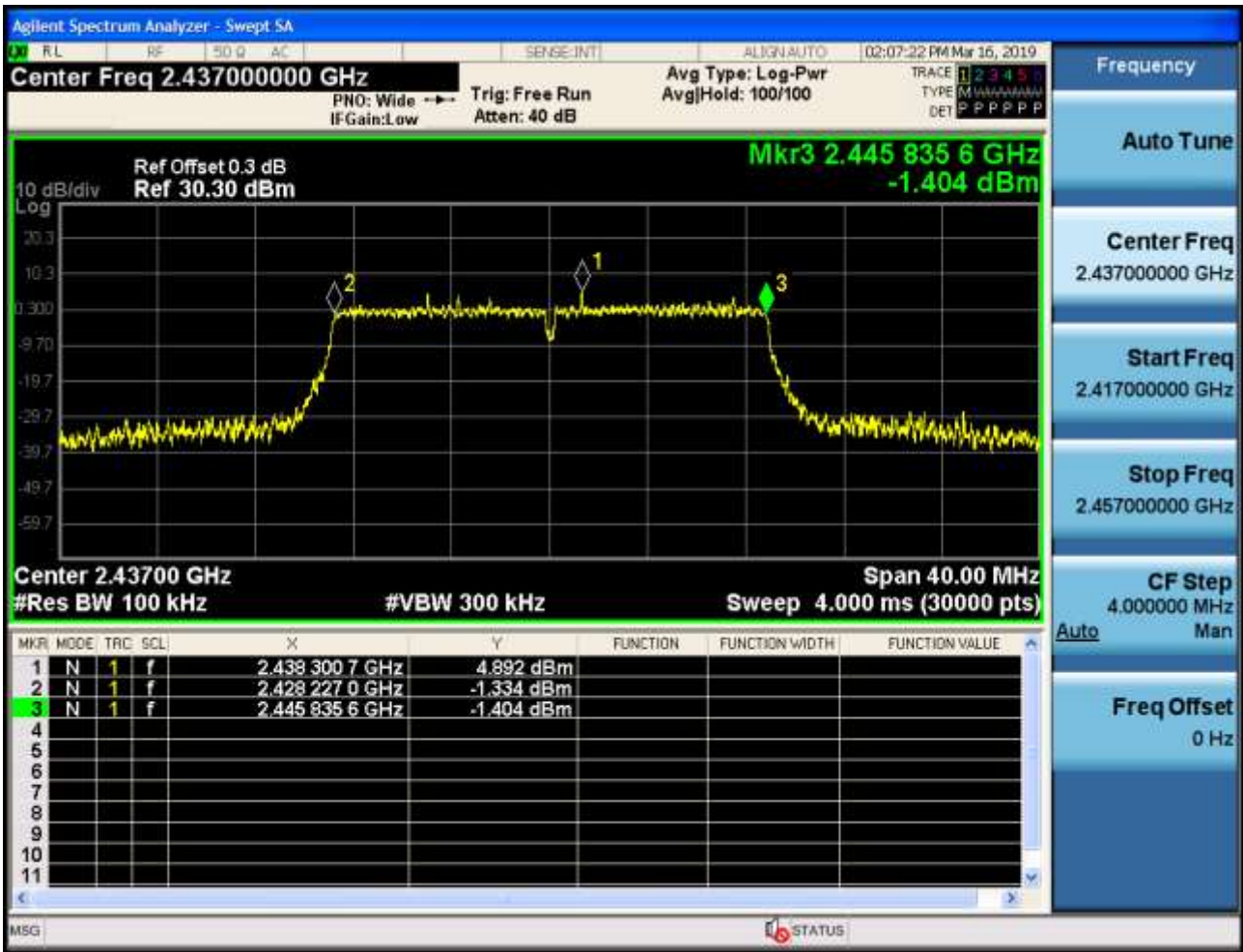
1.9 11N20SISO\_Ant1\_2412



1.10 11N20SISO\_Ant1\_2417

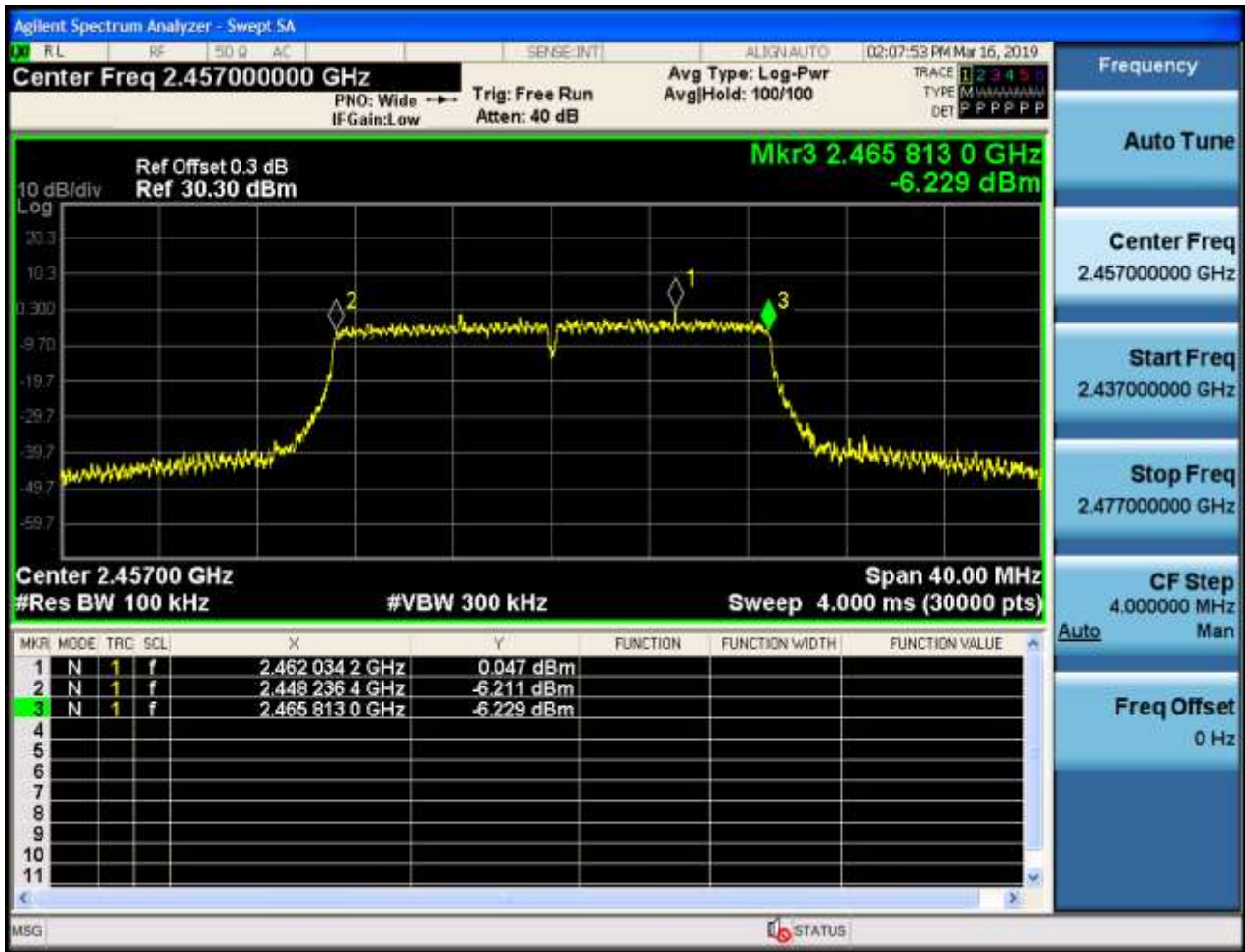


1.11 11N20SISO\_Ant1\_2437





1.12 11N20SISO\_Ant1\_2457

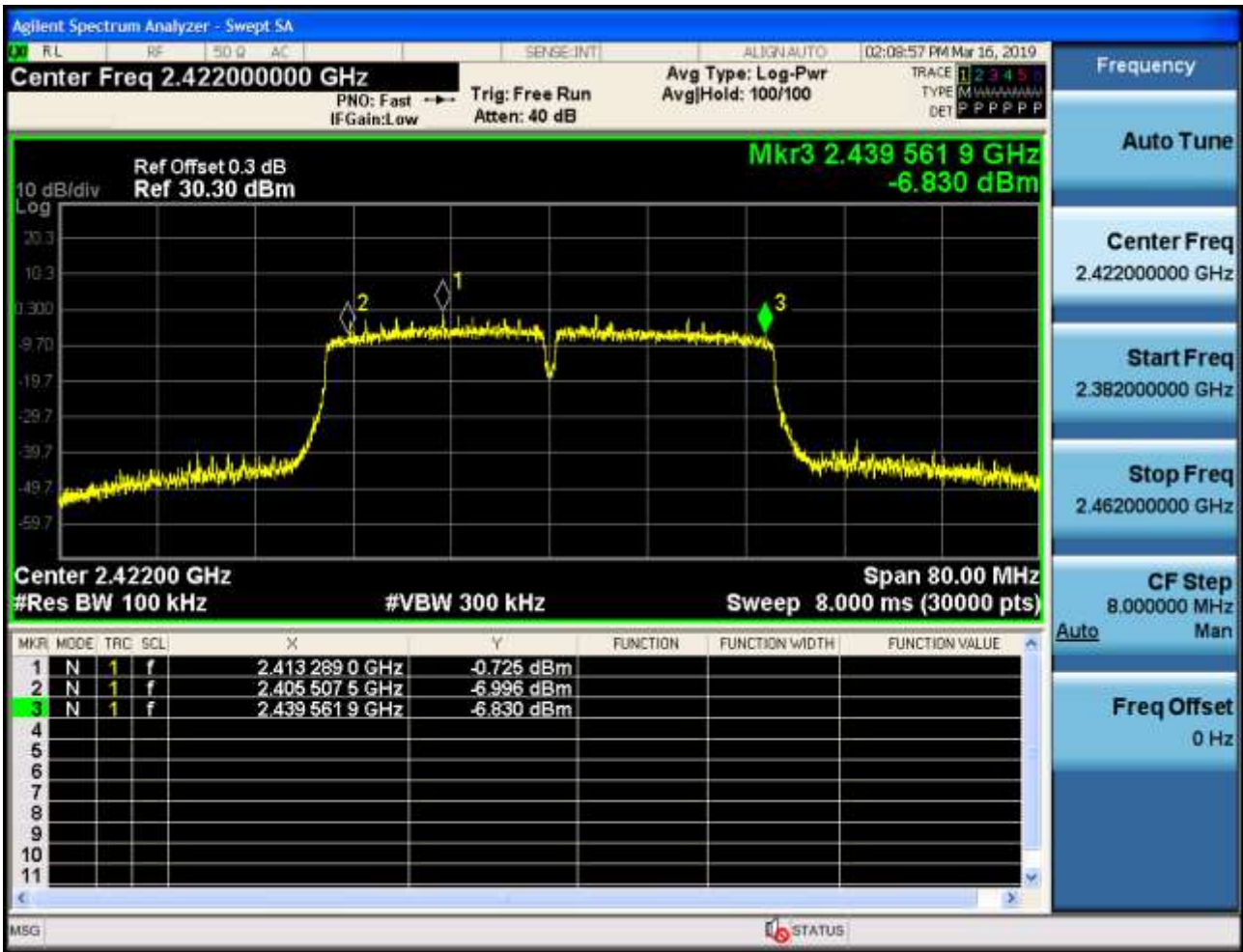




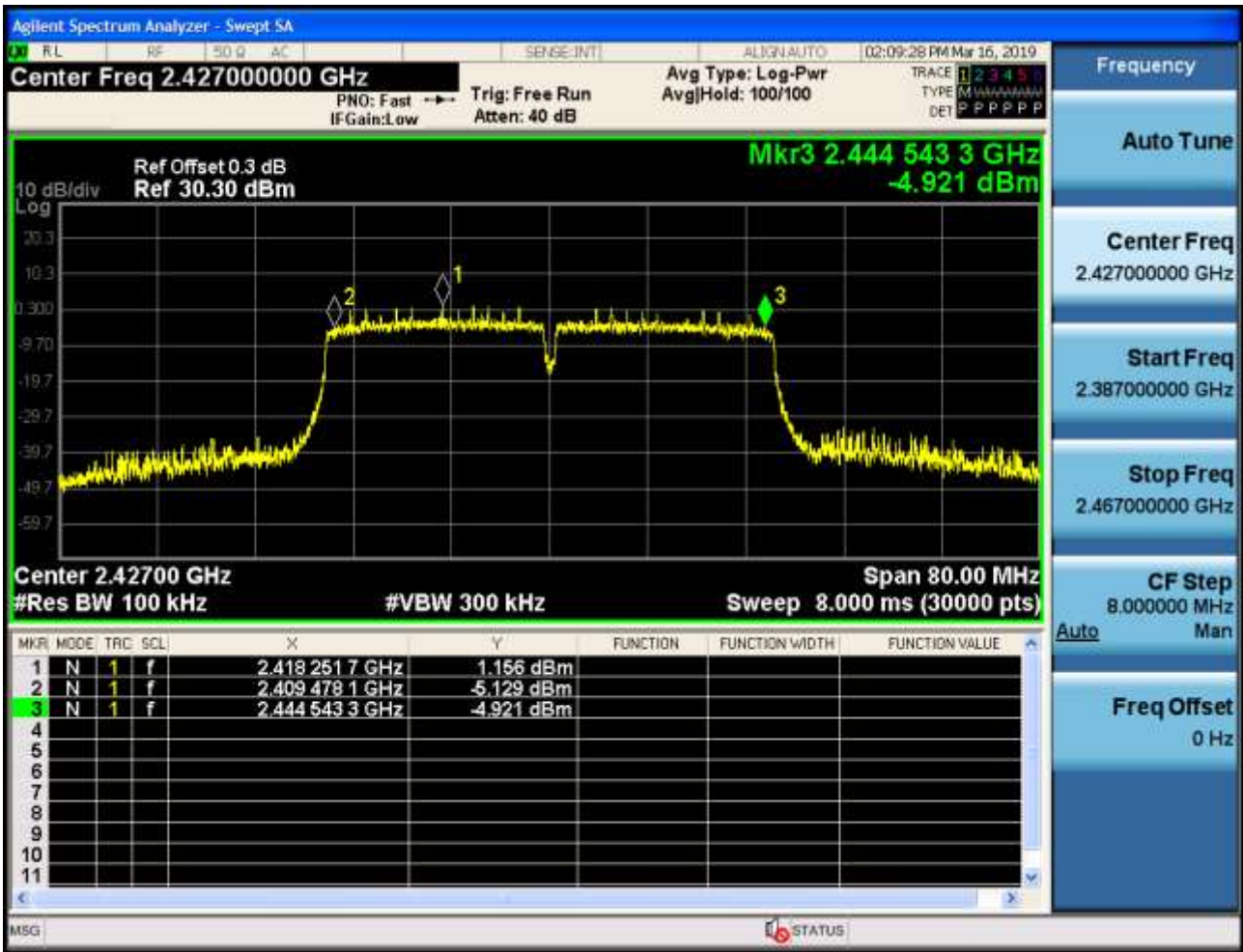
1.13 11N20SISO\_Ant1\_2462



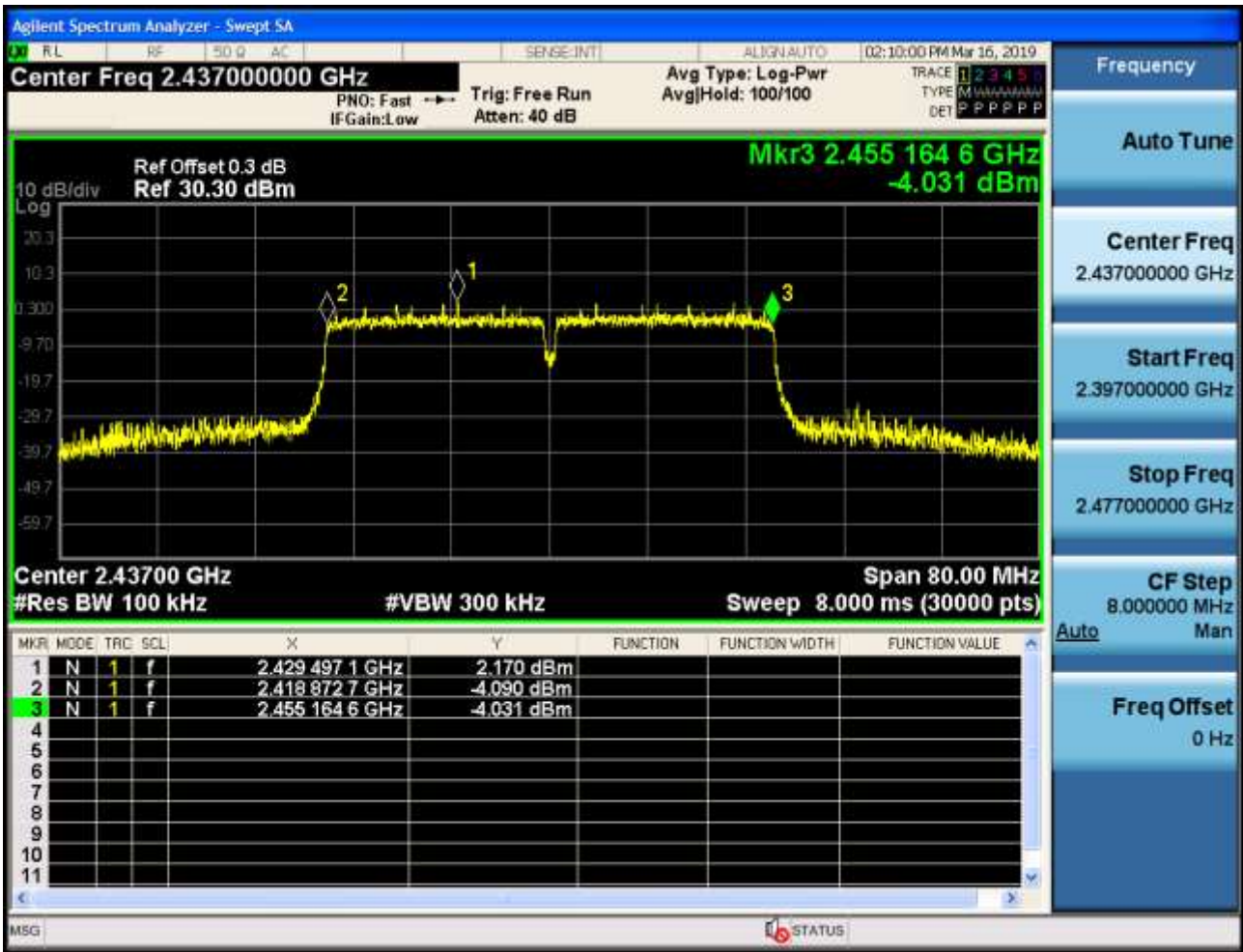
1.14 11N40SISO\_Ant1\_2422



1.15 11N40SISO\_Ant1\_2427

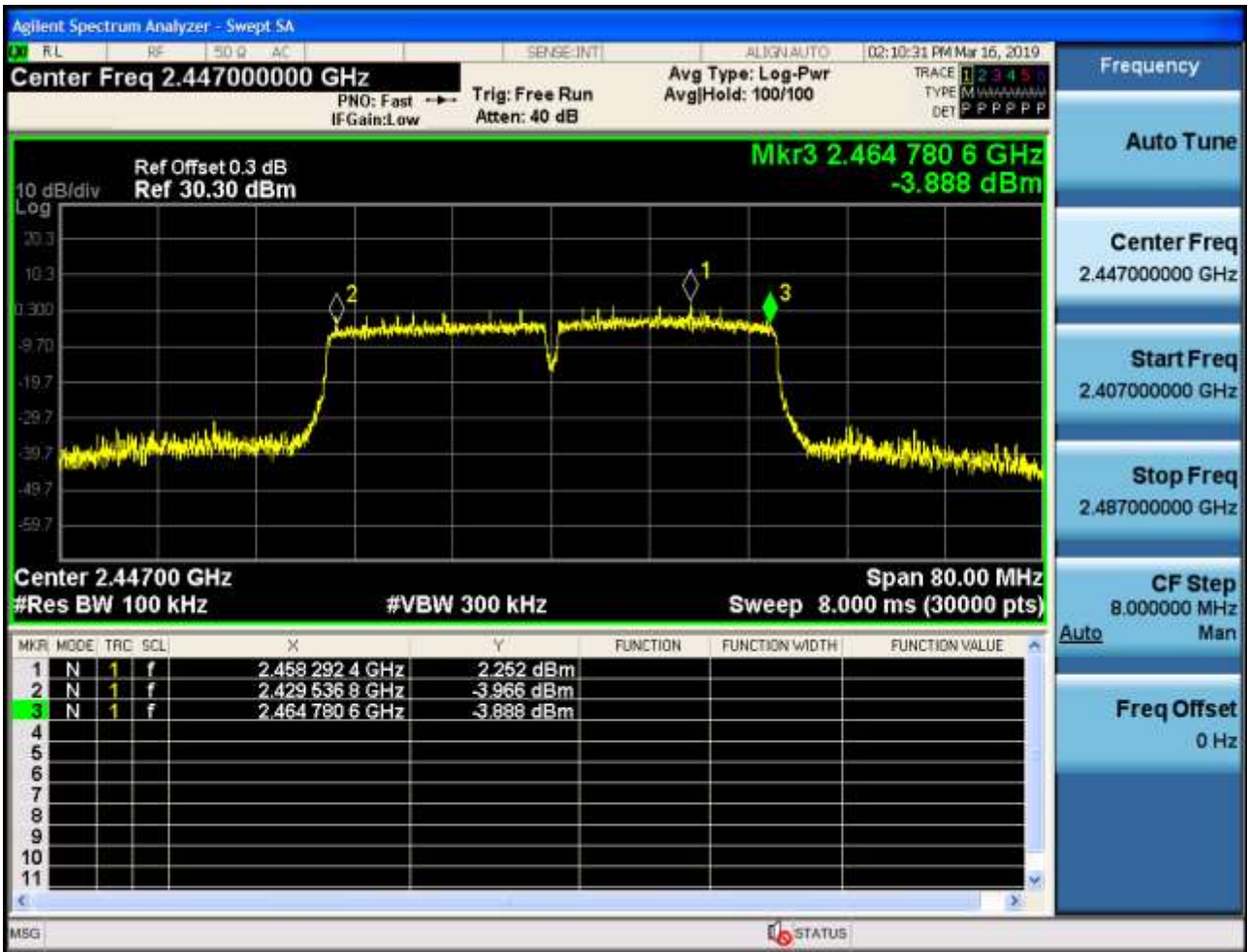


1.16 11N40SISO\_Ant1\_2437

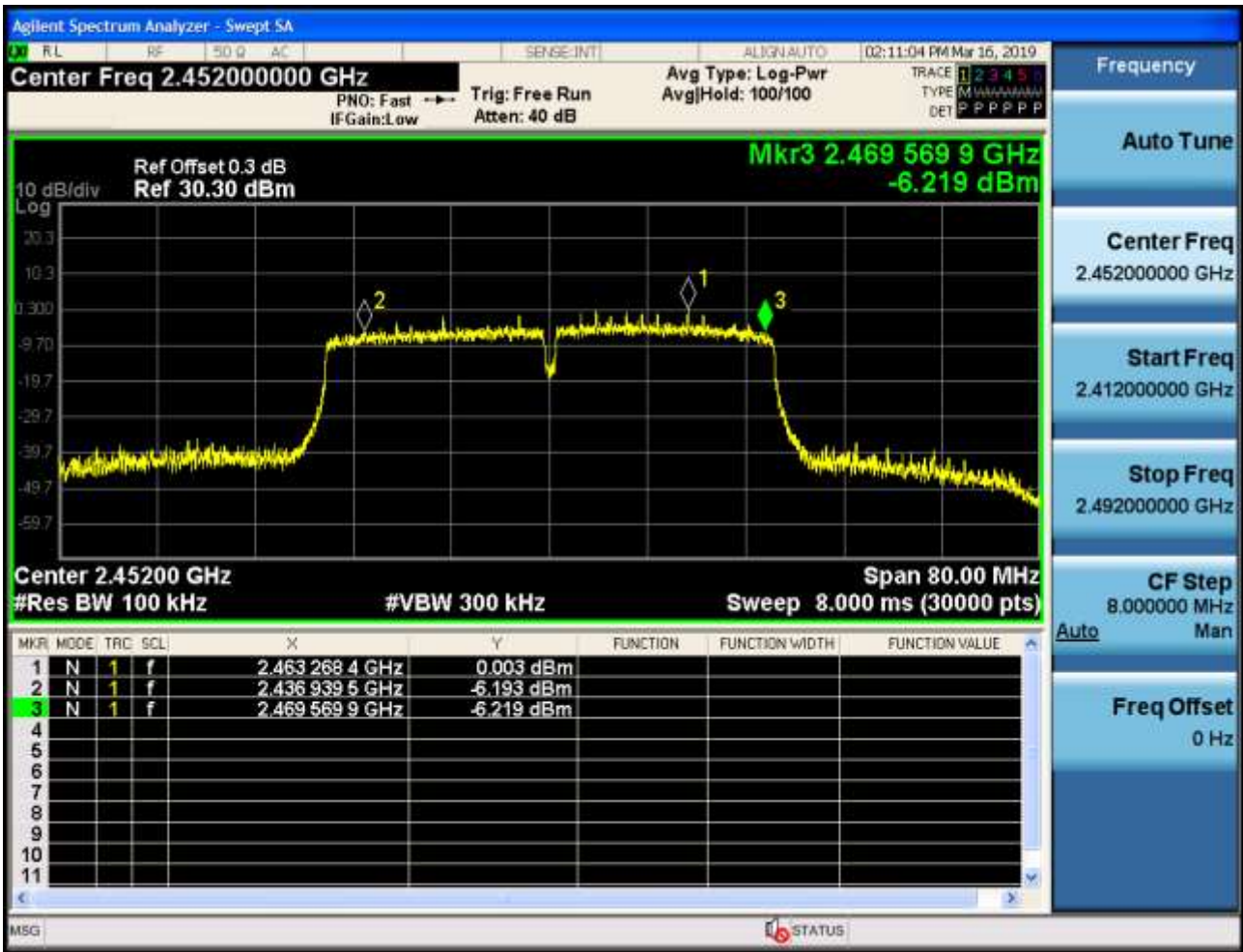




1.17 11N40SISO\_Ant1\_2447



1.18 11N40SISO\_Ant1\_2452





## Appendix B: Occupied Bandwidth

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

### Part I - Test Results

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.09	2406.69	2417.78	---	PASS
11B	Ant1	2437	11.62	2431.35	2442.97	---	PASS
11B	Ant1	2462	11.23	2456.52	2467.75	---	PASS
11G	Ant1	2412	16.74	2403.73	2420.47	---	PASS
11G	Ant1	2417	16.77	2408.68	2425.45	---	PASS
11G	Ant1	2437	16.94	2428.59	2445.53	---	PASS
11G	Ant1	2457	16.74	2448.74	2465.48	---	PASS
11G	Ant1	2462	16.74	2453.68	2470.42	---	PASS
11N20SISO	Ant1	2412	17.7	2403.23	2420.93	---	PASS
11N20SISO	Ant1	2417	17.7	2408.19	2425.89	---	PASS
11N20SISO	Ant1	2437	17.84	2428.15	2445.99	---	PASS
11N20SISO	Ant1	2457	17.73	2448.22	2465.95	---	PASS
11N20SISO	Ant1	2462	17.72	2453.2	2470.92	---	PASS
11N40SISO	Ant1	2422	35.86	2404.14	2440.0	---	PASS
11N40SISO	Ant1	2427	36.04	2409.05	2445.09	---	PASS
11N40SISO	Ant1	2437	36.36	2418.92	2455.28	---	PASS
11N40SISO	Ant1	2447	36.13	2429.08	2465.21	---	PASS
11N40SISO	Ant1	2452	35.91	2434.17	2470.08	---	PASS

Part II - Test Graphs

1.1 11B\_Ant1\_2412



1.2 11B\_Ant1\_2437



1.3 11B\_Ant1\_2462



1.4 11G\_Ant1\_2412

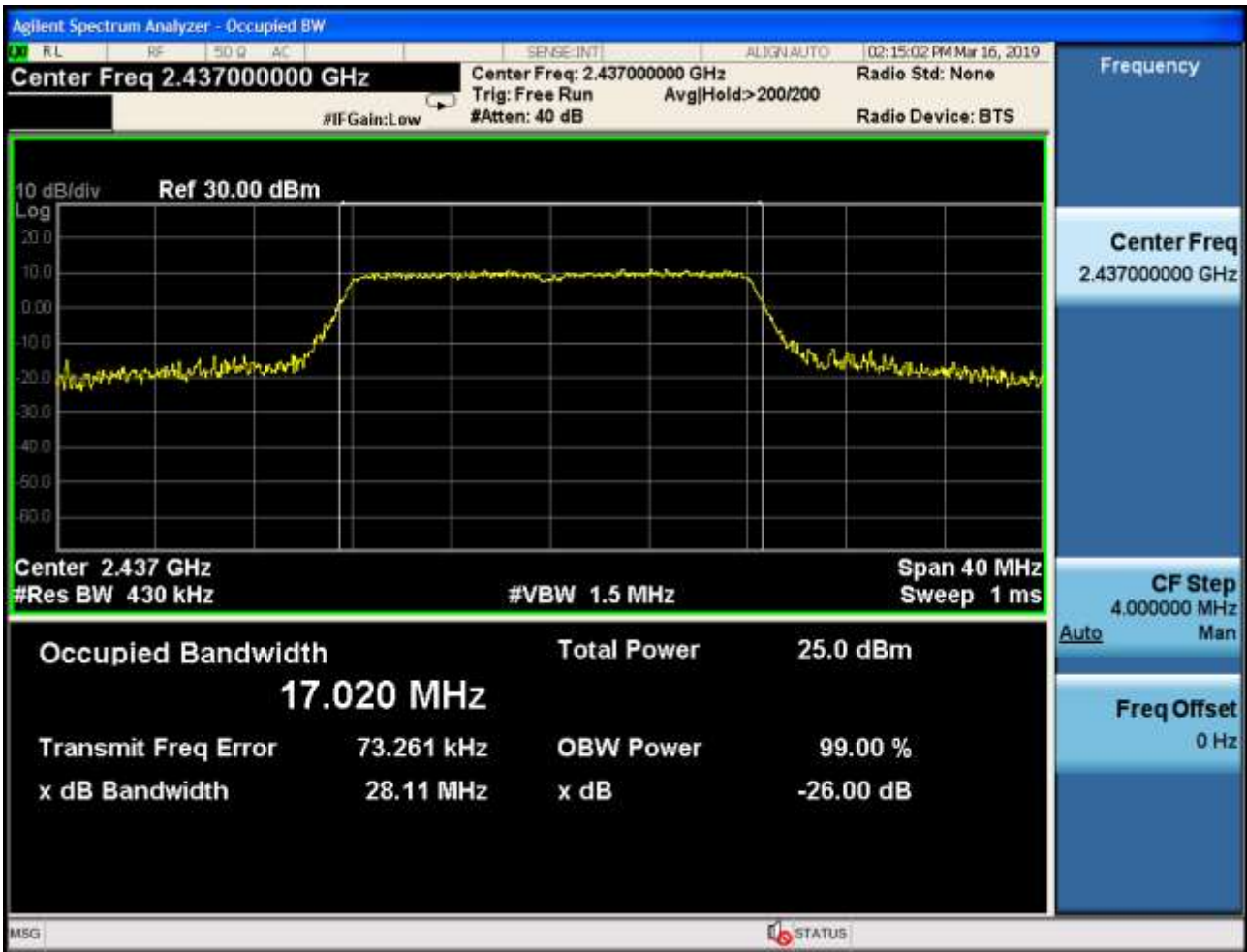


1.5 11G\_Ant1\_2417

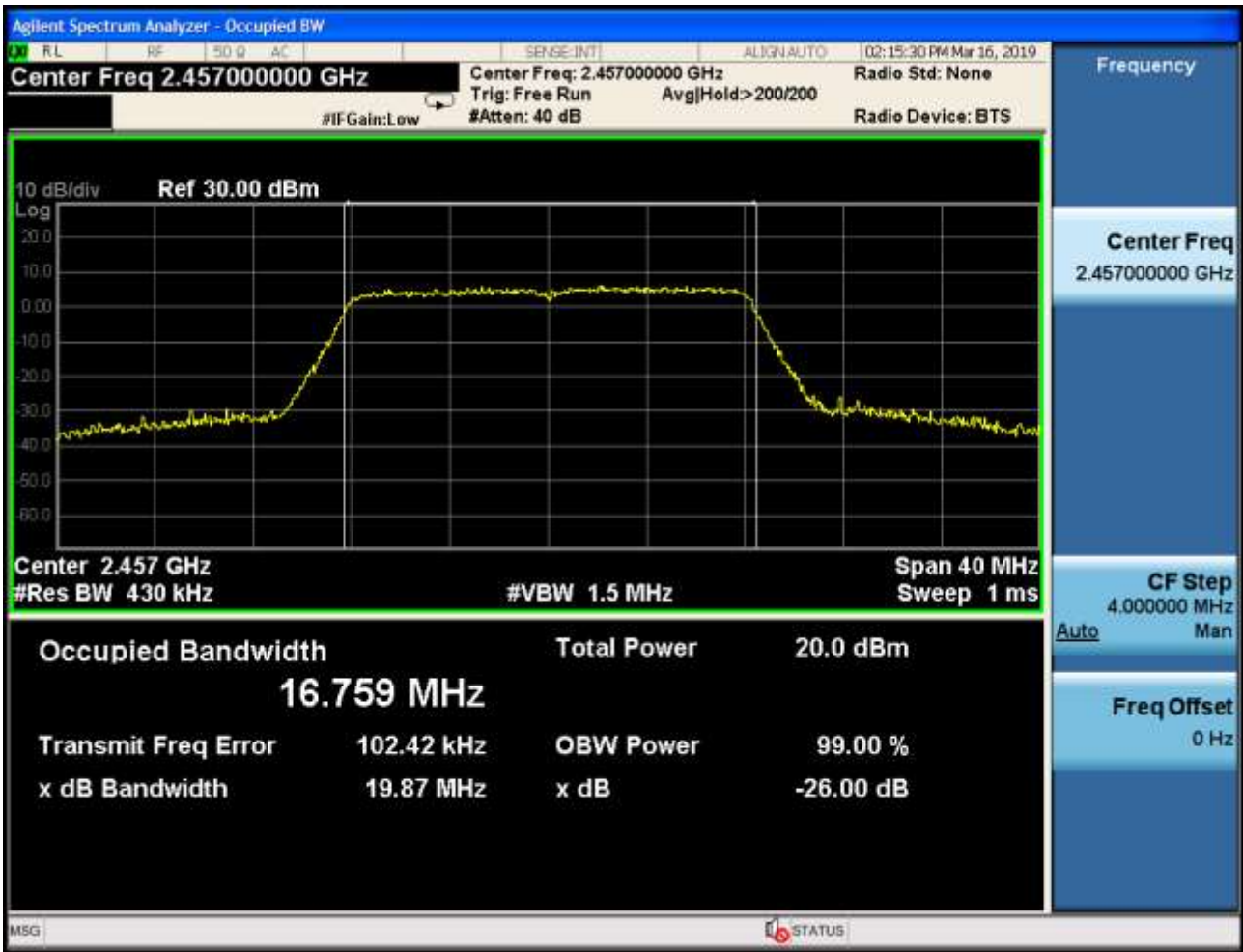




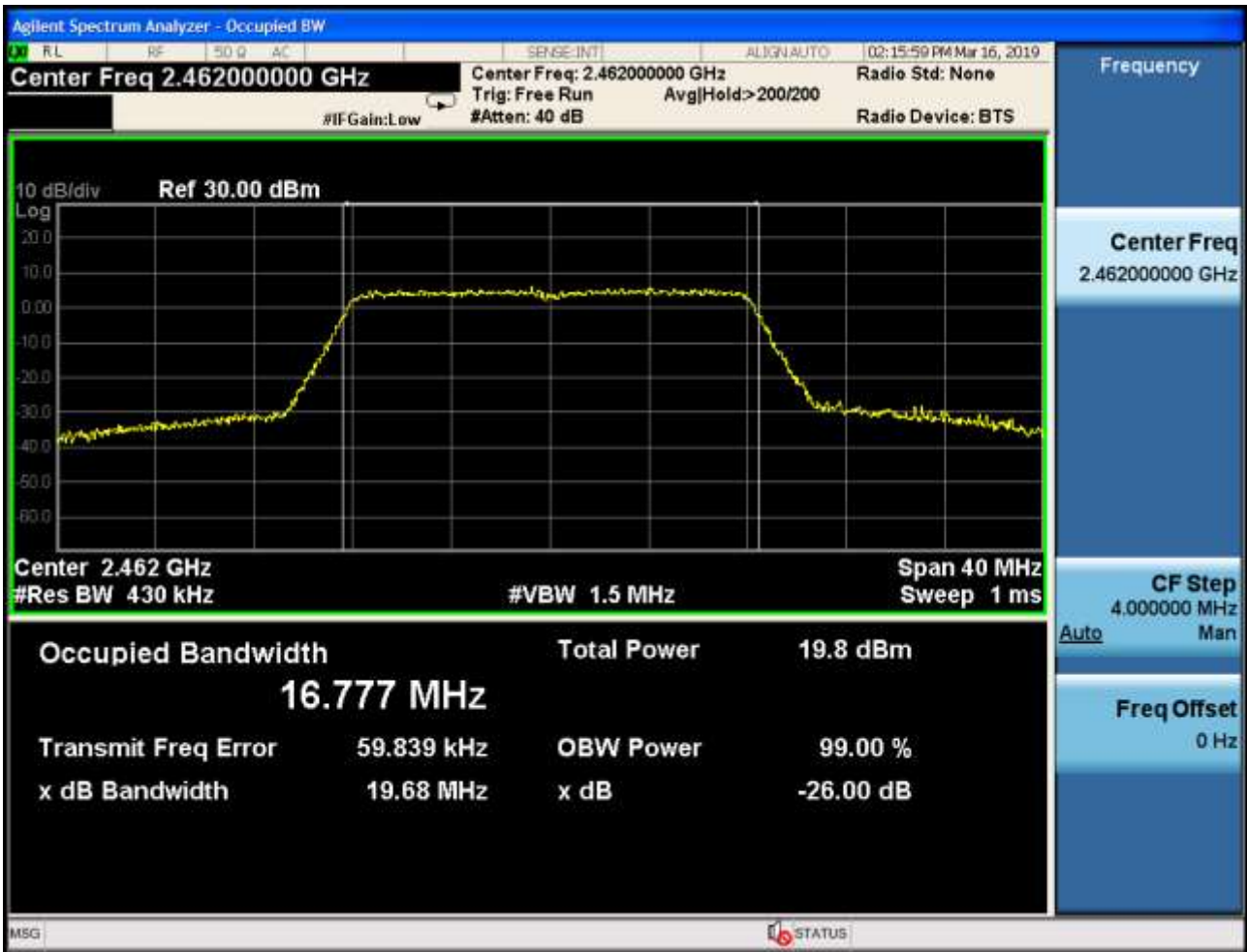
1.6 11G\_Ant1\_2437



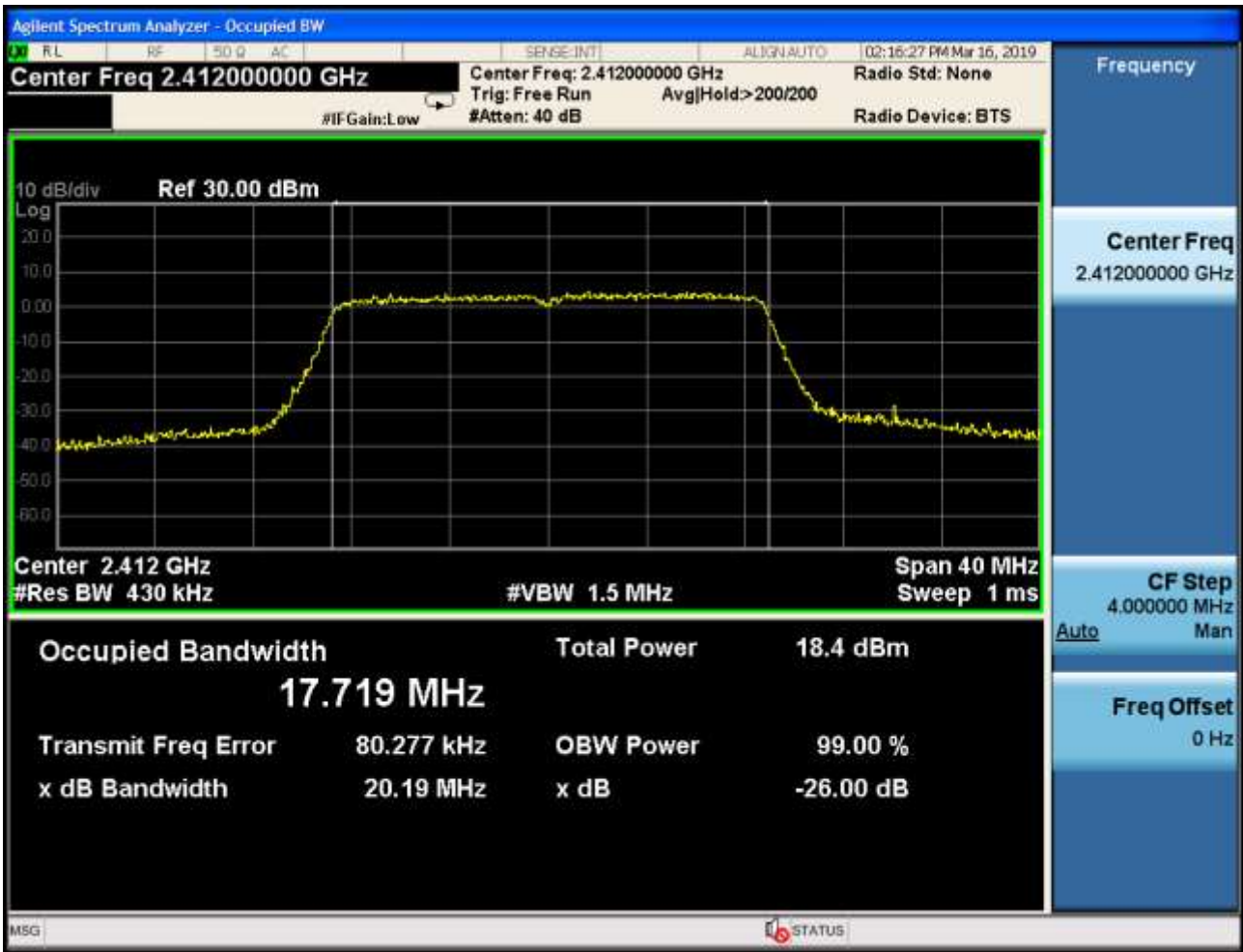
1.7 11G\_Ant1\_2457



1.8 11G\_Ant1\_2462



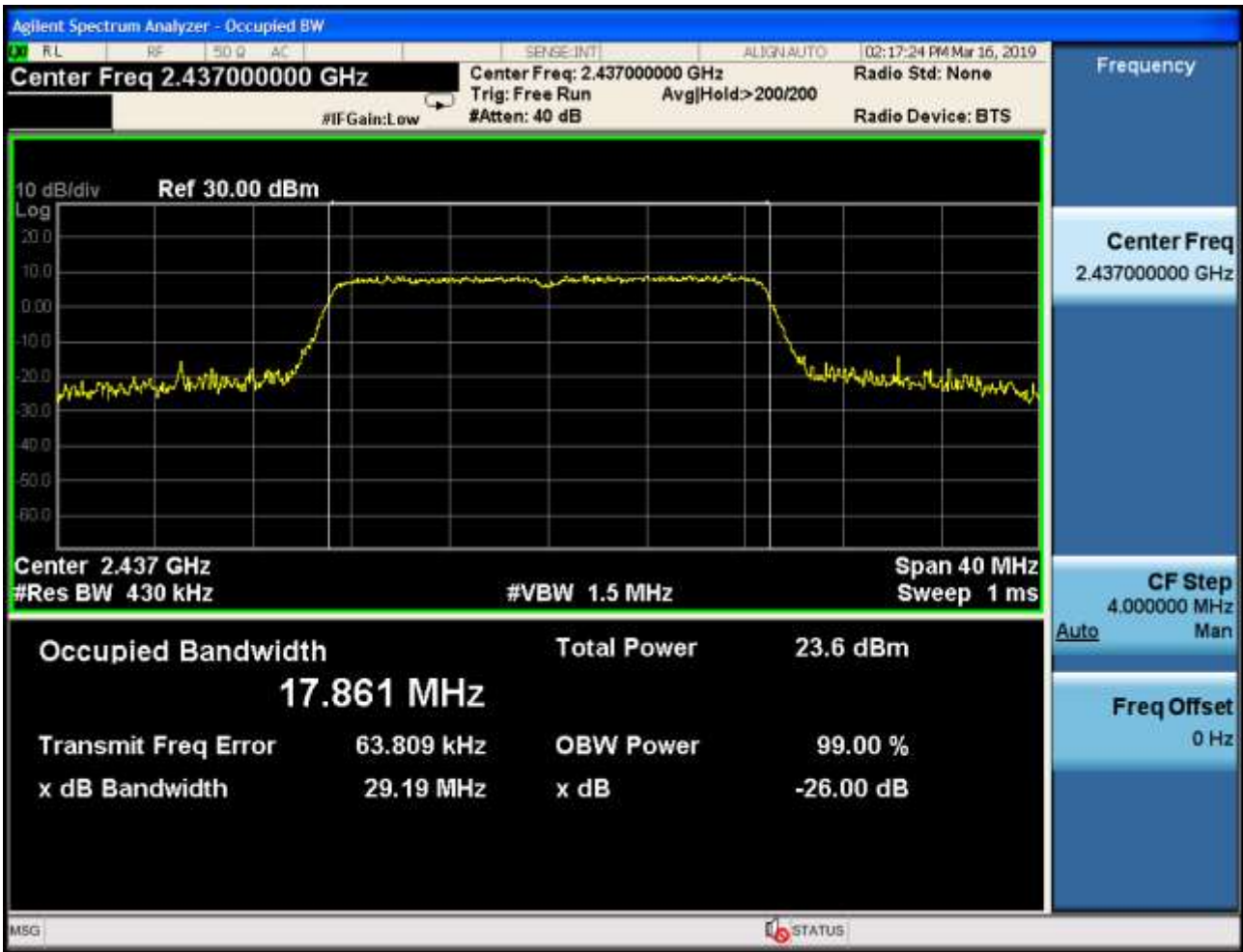
1.9 11N20SISO\_Ant1\_2412



1.10 11N20SISO\_Ant1\_2417



1.11 11N20SISO\_Ant1\_2437





1.12 11N20SISO\_Ant1\_2457



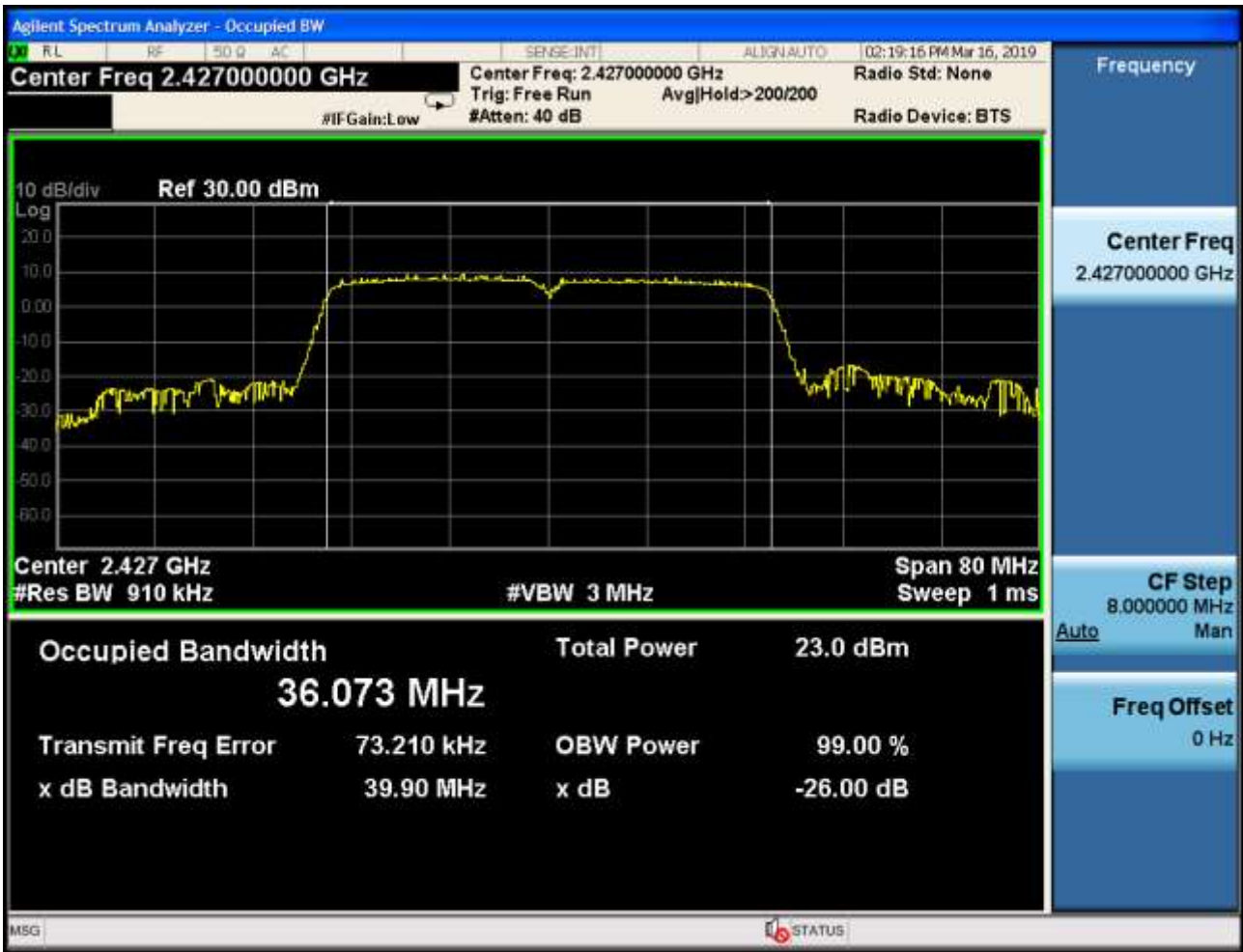
1.13 11N20SISO\_Ant1\_2462



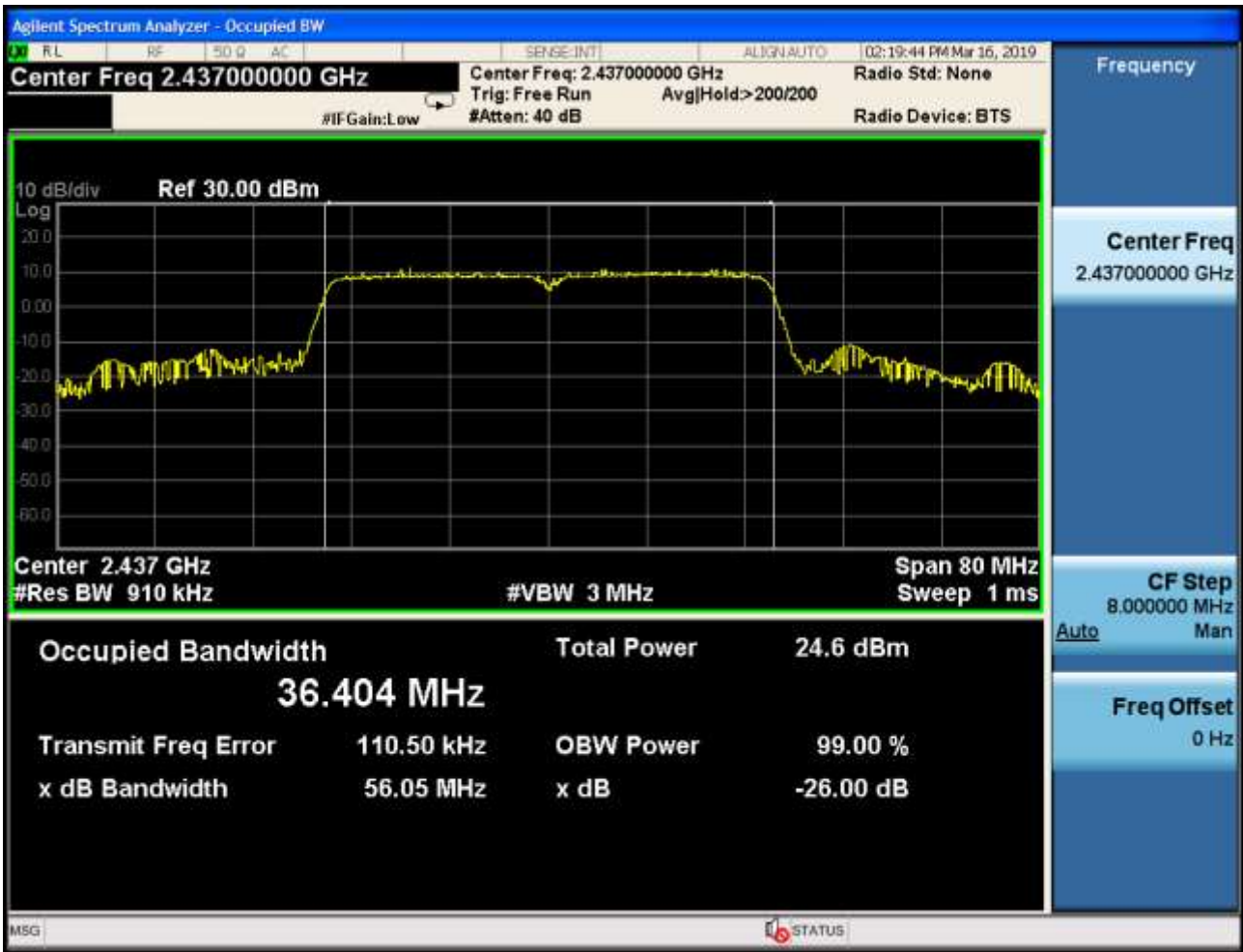
1.14 11N40SISO\_Ant1\_2422



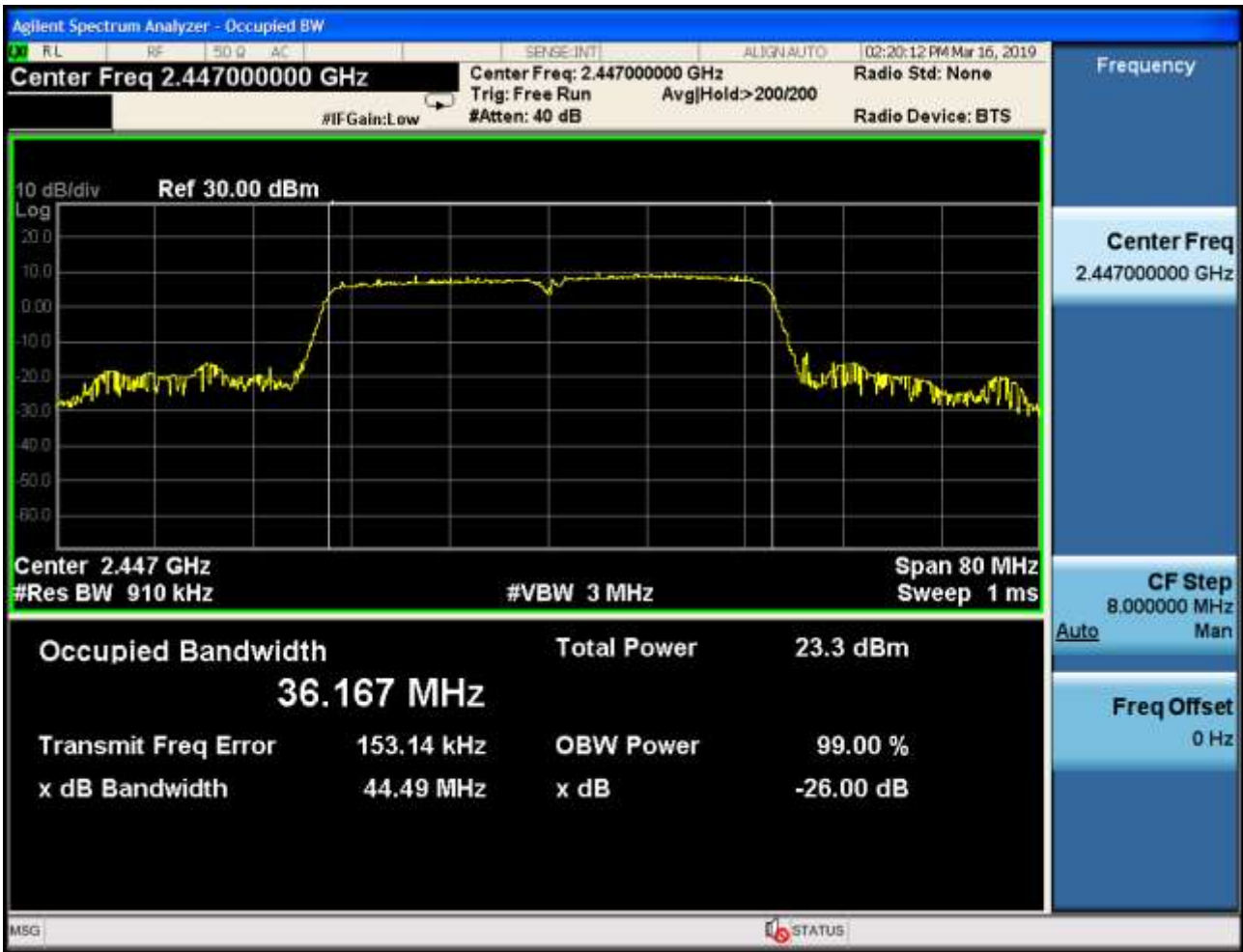
1.15 11N40SISO\_Ant1\_2427



1.16 11N40SISO\_Ant1\_2437



1.17 11N40SISO\_Ant1\_2447





1.18 11N40SISO\_Ant1\_2452



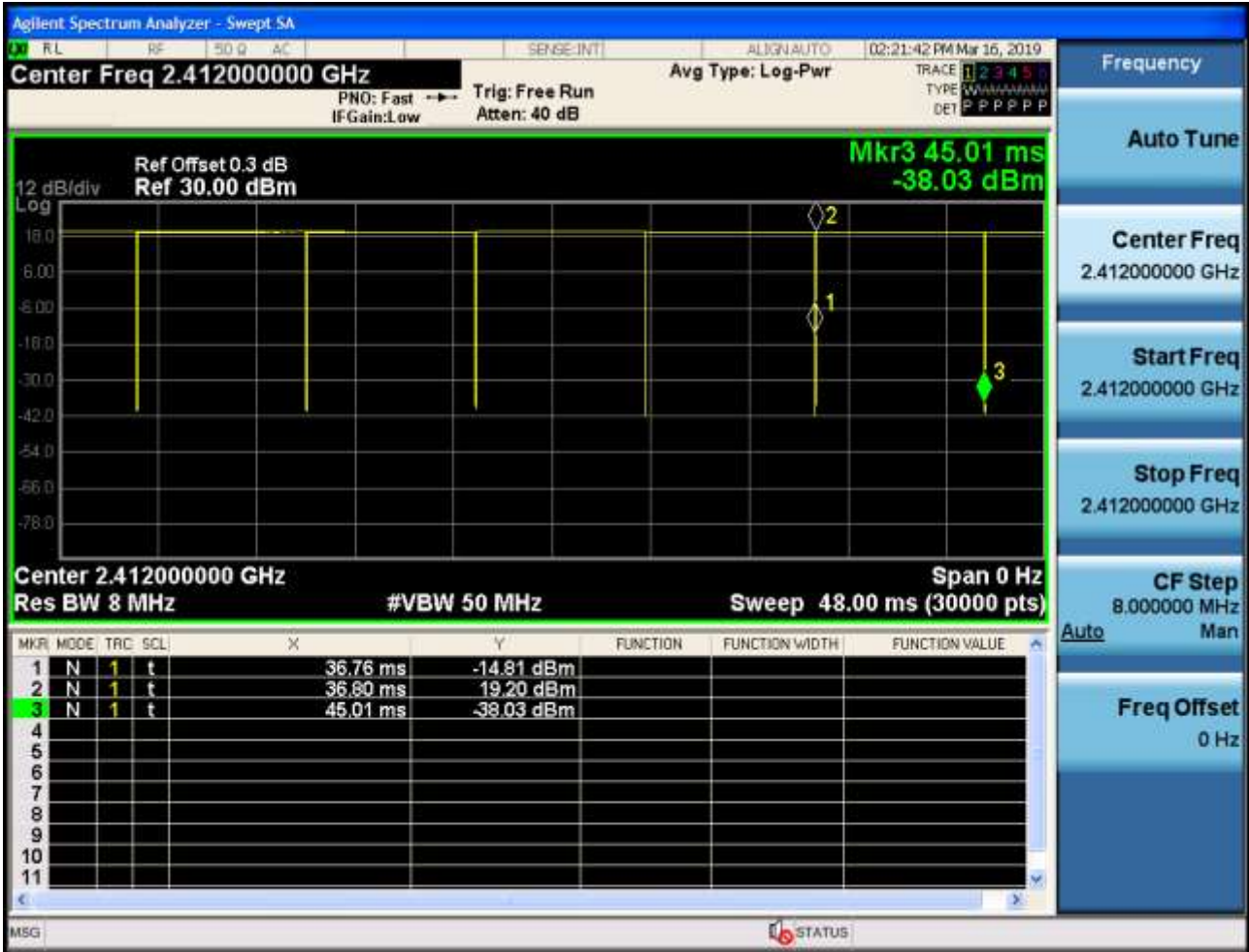
## Appendix C: Duty Cycle

### Part I - Test Results

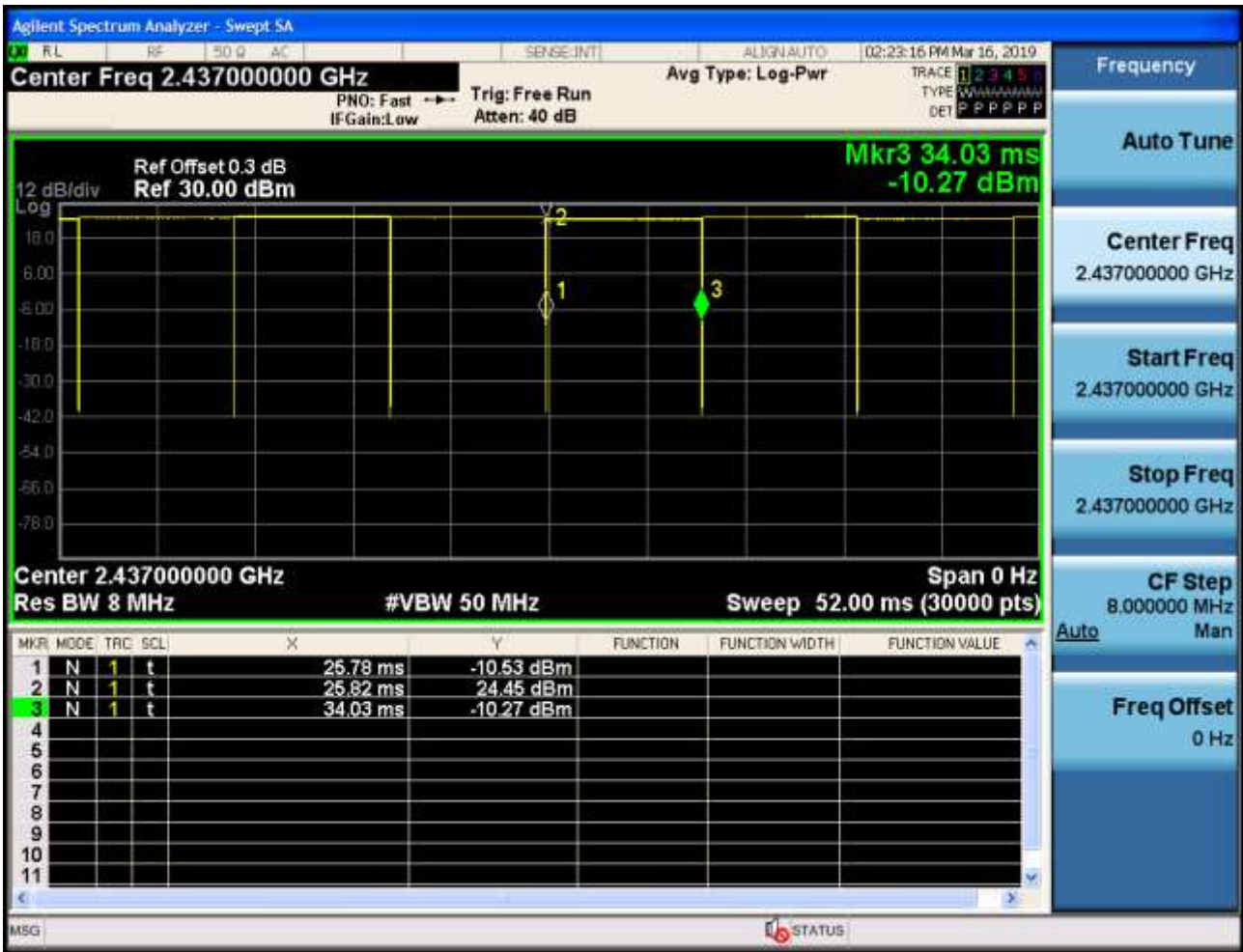
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11B	Ant1	2412	8.21	8.25	99.52	---	PASS
11B	Ant1	2437	8.209	8.249	99.52	---	PASS
11B	Ant1	2462	8.211	8.249	99.54	---	PASS
11G	Ant1	2412	2.729	2.774	98.35	---	PASS
11G	Ant1	2417	2.728	2.773	98.38	---	PASS
11G	Ant1	2437	2.728	2.773	98.38	---	PASS
11G	Ant1	2457	2.728	2.773	98.35	---	PASS
11G	Ant1	2462	2.729	2.774	98.35	---	PASS
11N20SISO	Ant1	2412	2.536	2.581	98.26	---	PASS
11N20SISO	Ant1	2417	2.536	2.581	98.26	---	PASS
11N20SISO	Ant1	2437	2.536	2.581	98.26	---	PASS
11N20SISO	Ant1	2457	2.535	2.581	98.22	---	PASS
11N20SISO	Ant1	2462	2.536	2.581	98.26	---	PASS
11N40SISO	Ant1	2422	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2427	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2437	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2447	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2452	1.24	1.284	96.59	---	PASS

Part II - Test Graphs

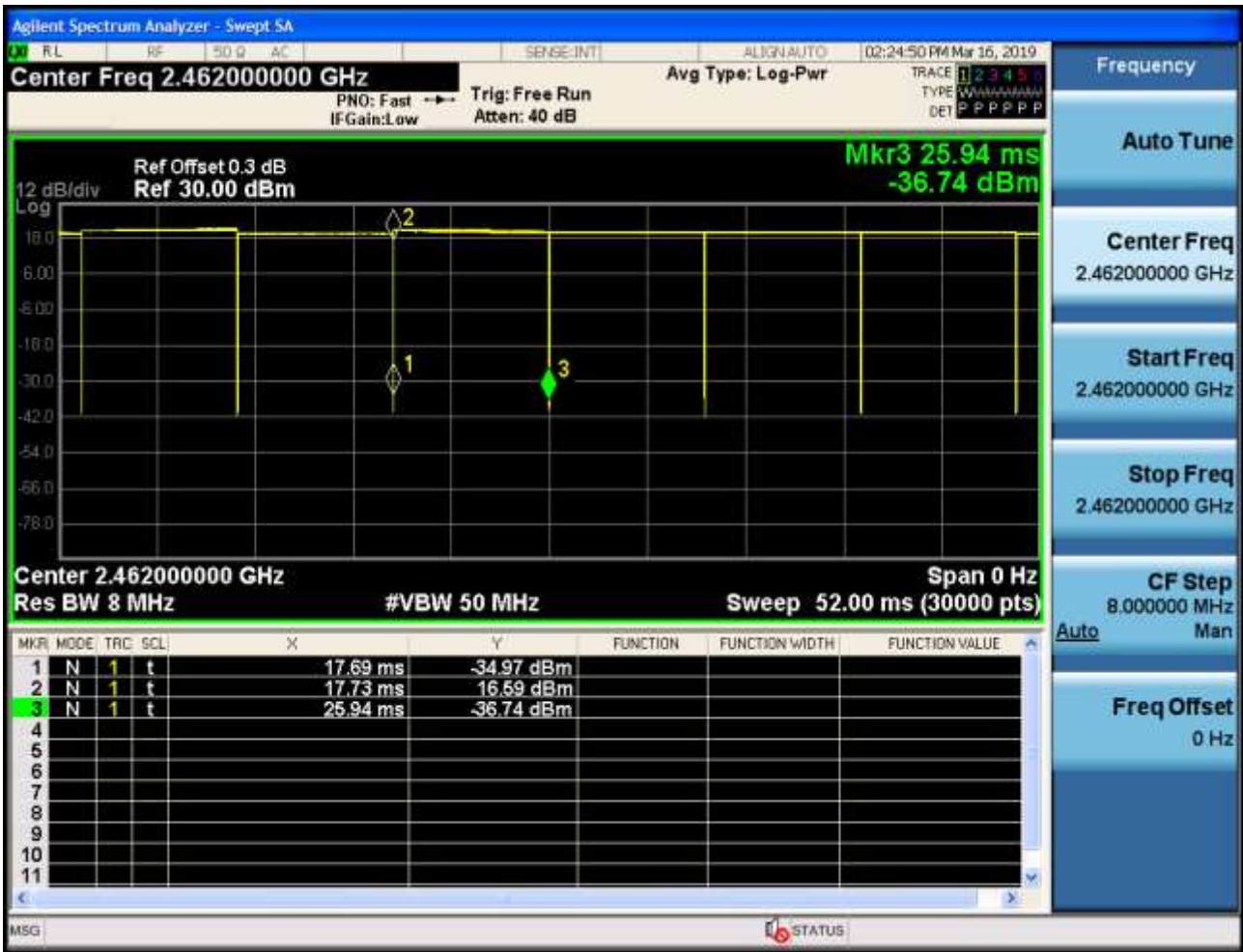
1.1 11B\_Ant1\_2412



1.2 11B\_Ant1\_2437

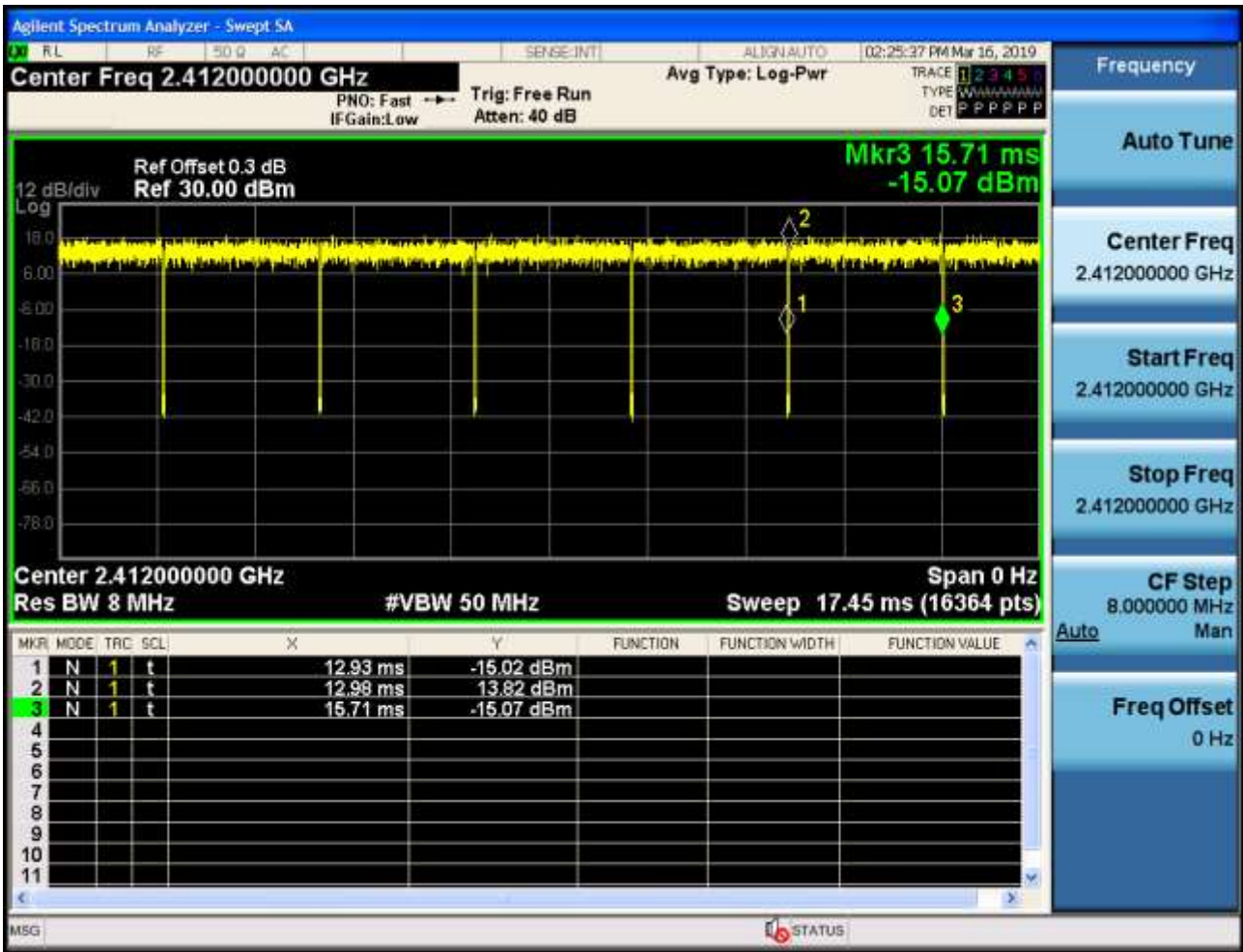


1.3 11B\_Ant1\_2462

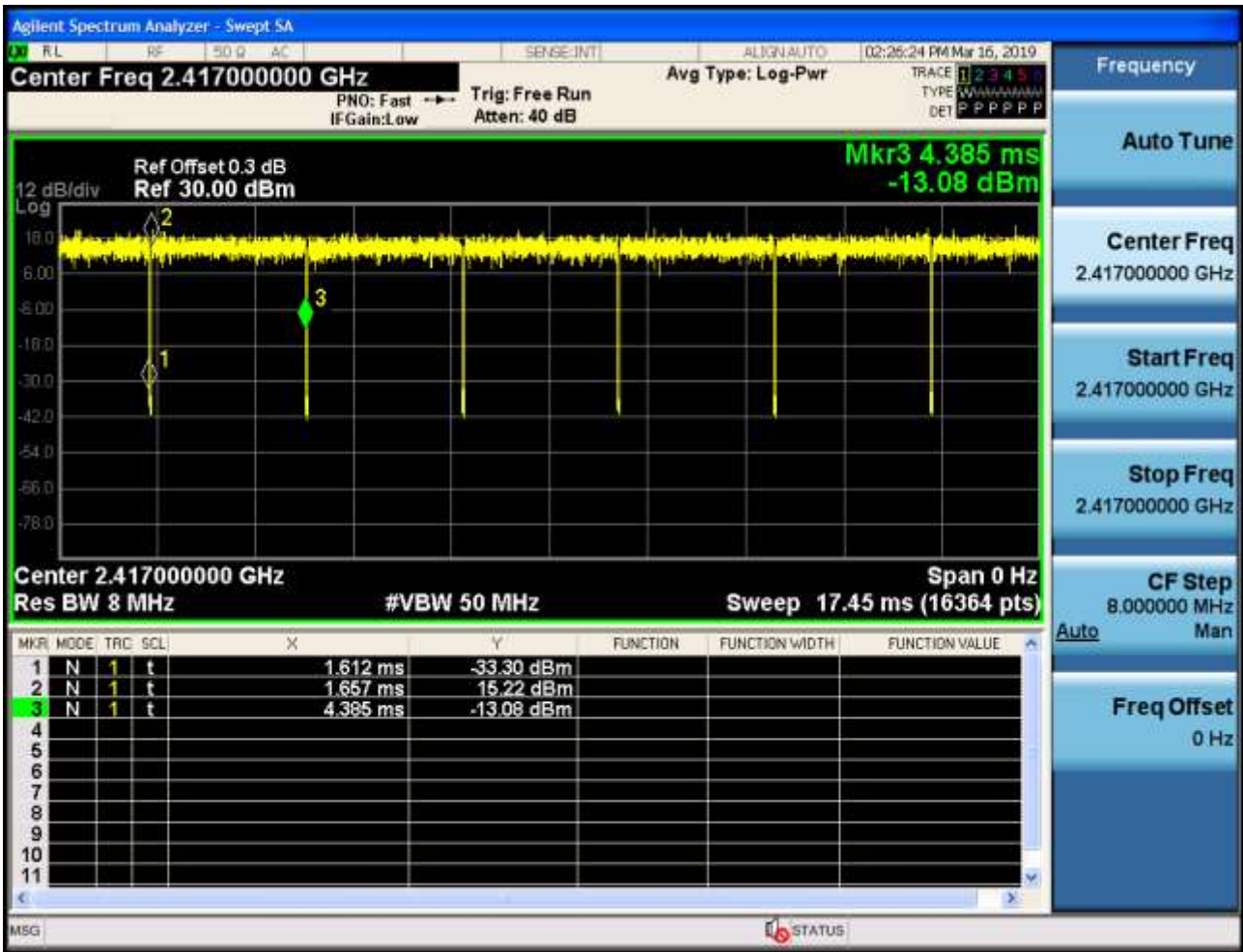




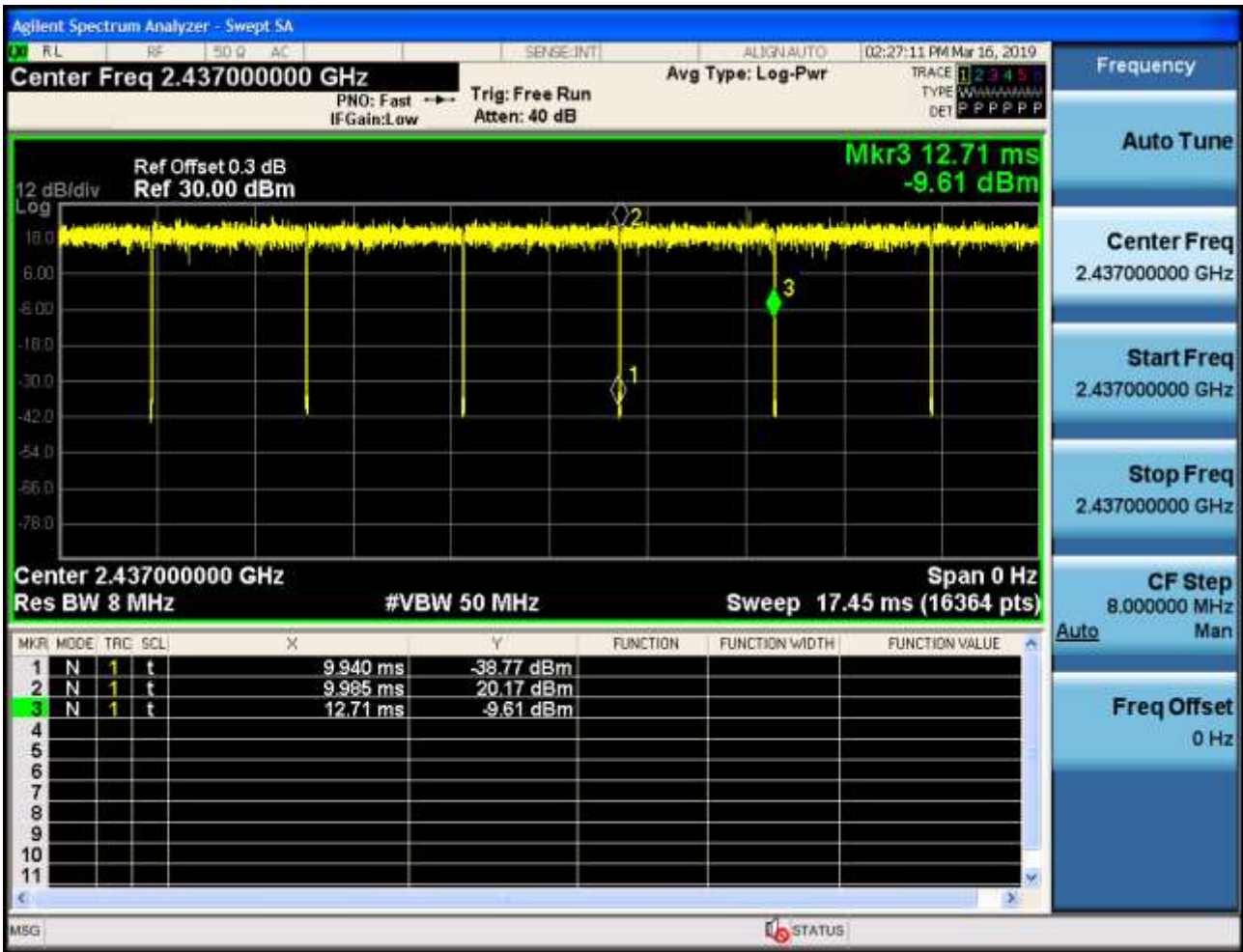
1.4 11G\_Ant1\_2412



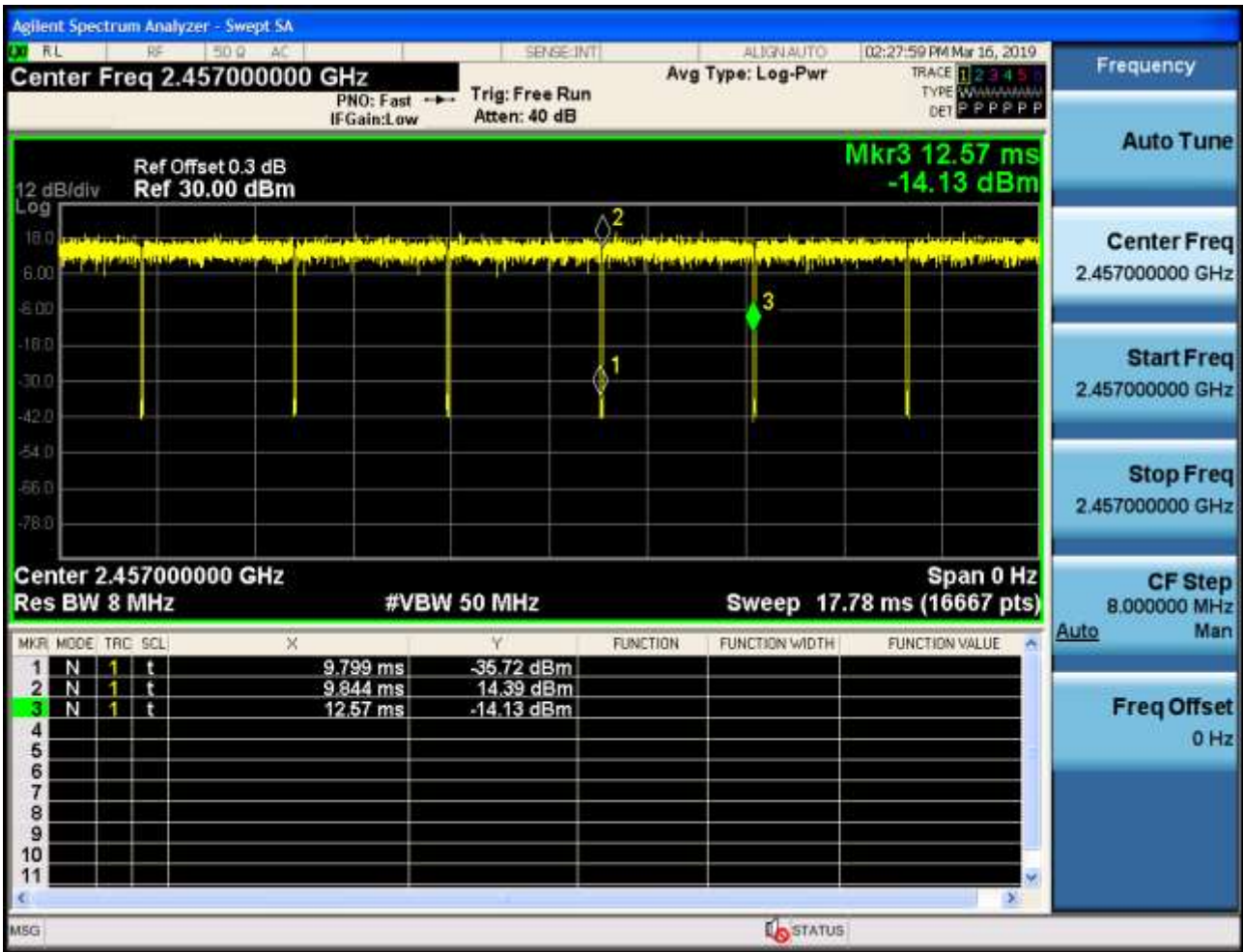
1.5 11G\_Ant1\_2417



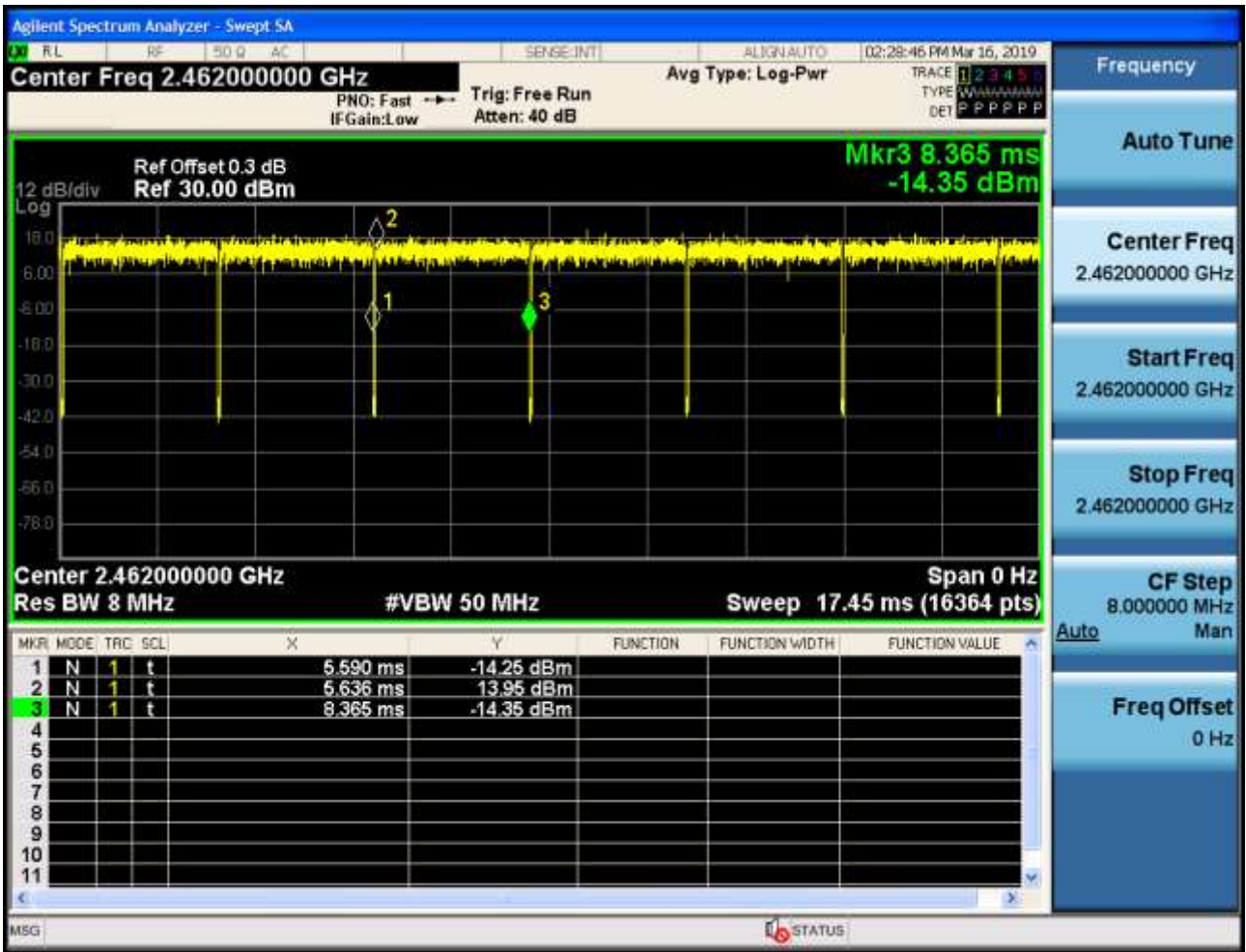
1.6 11G\_Ant1\_2437



1.7 11G\_Ant1\_2457

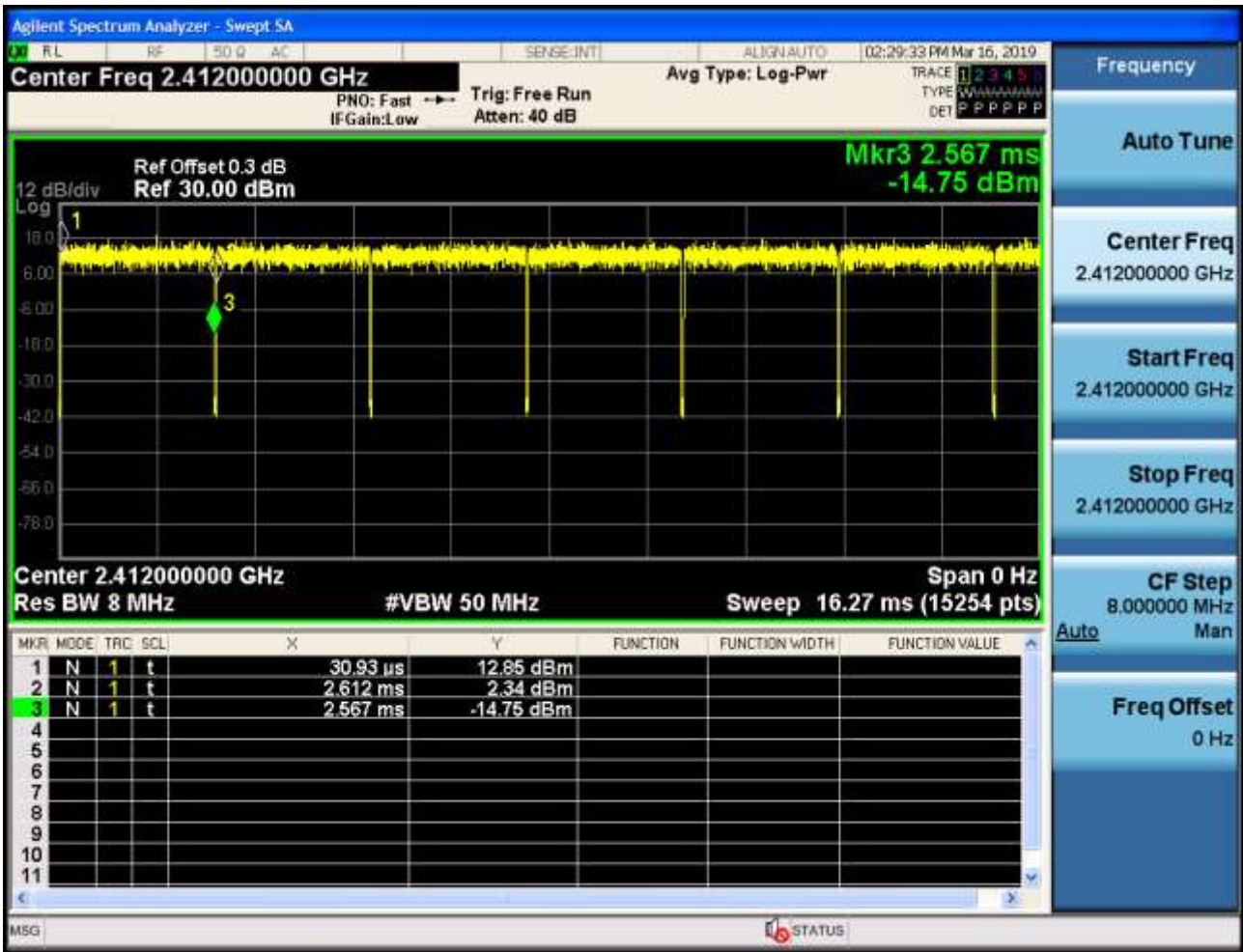


1.8 11G\_Ant1\_2462

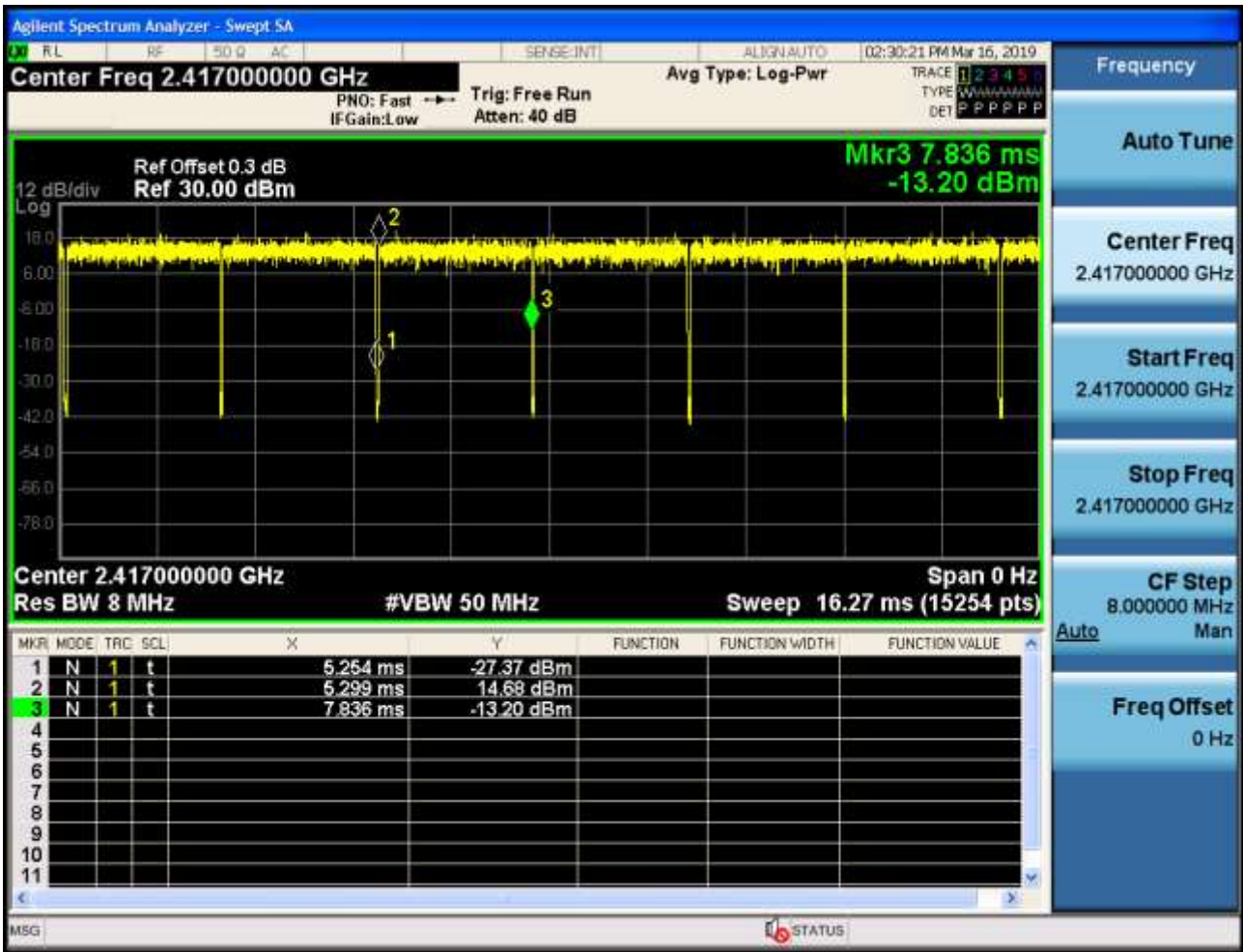




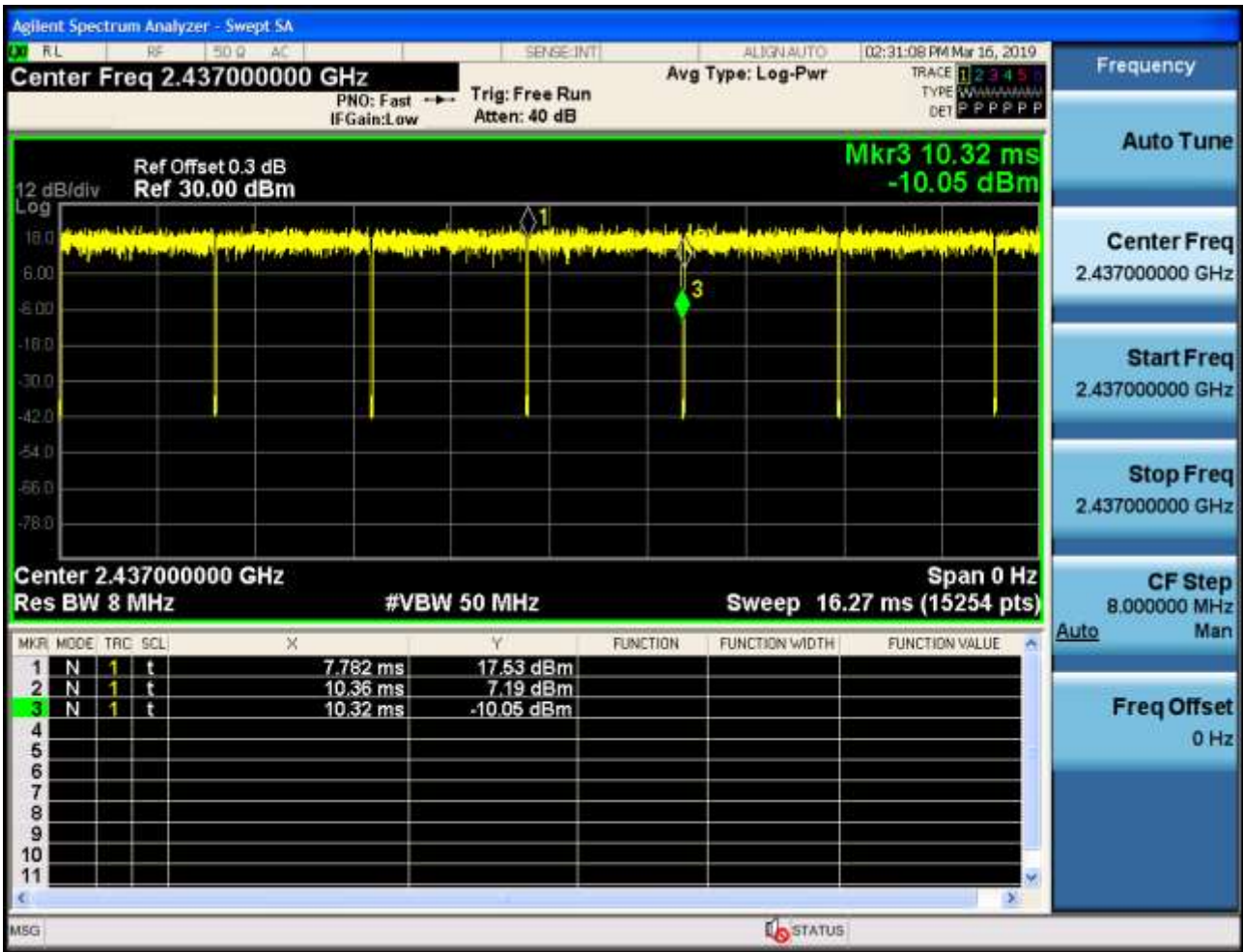
1.9 11N20SISO\_Ant1\_2412



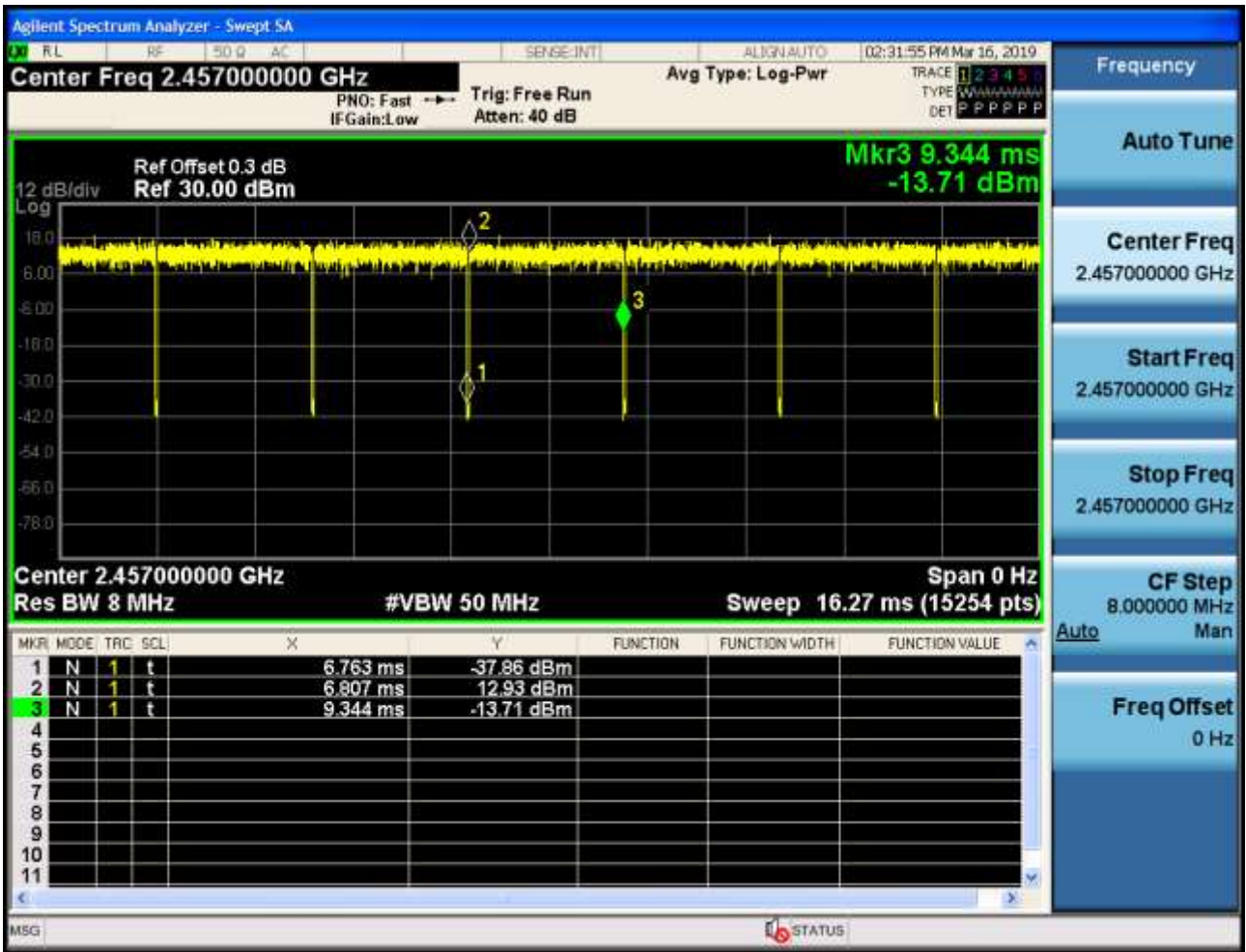
1.10 11N20SISO\_Ant1\_2417



1.11 11N20SISO\_Ant1\_2437

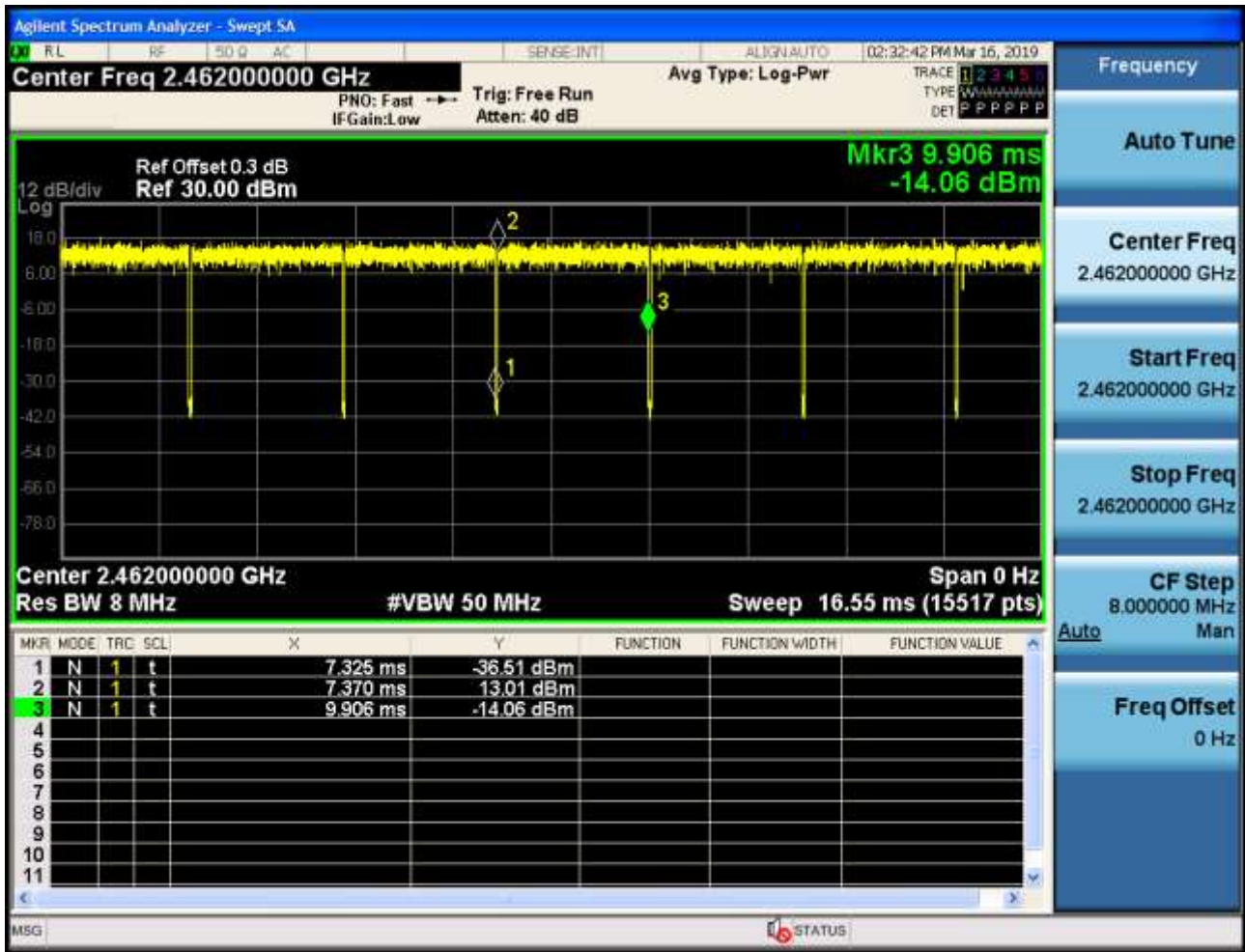


1.12 11N20SISO\_Ant1\_2457



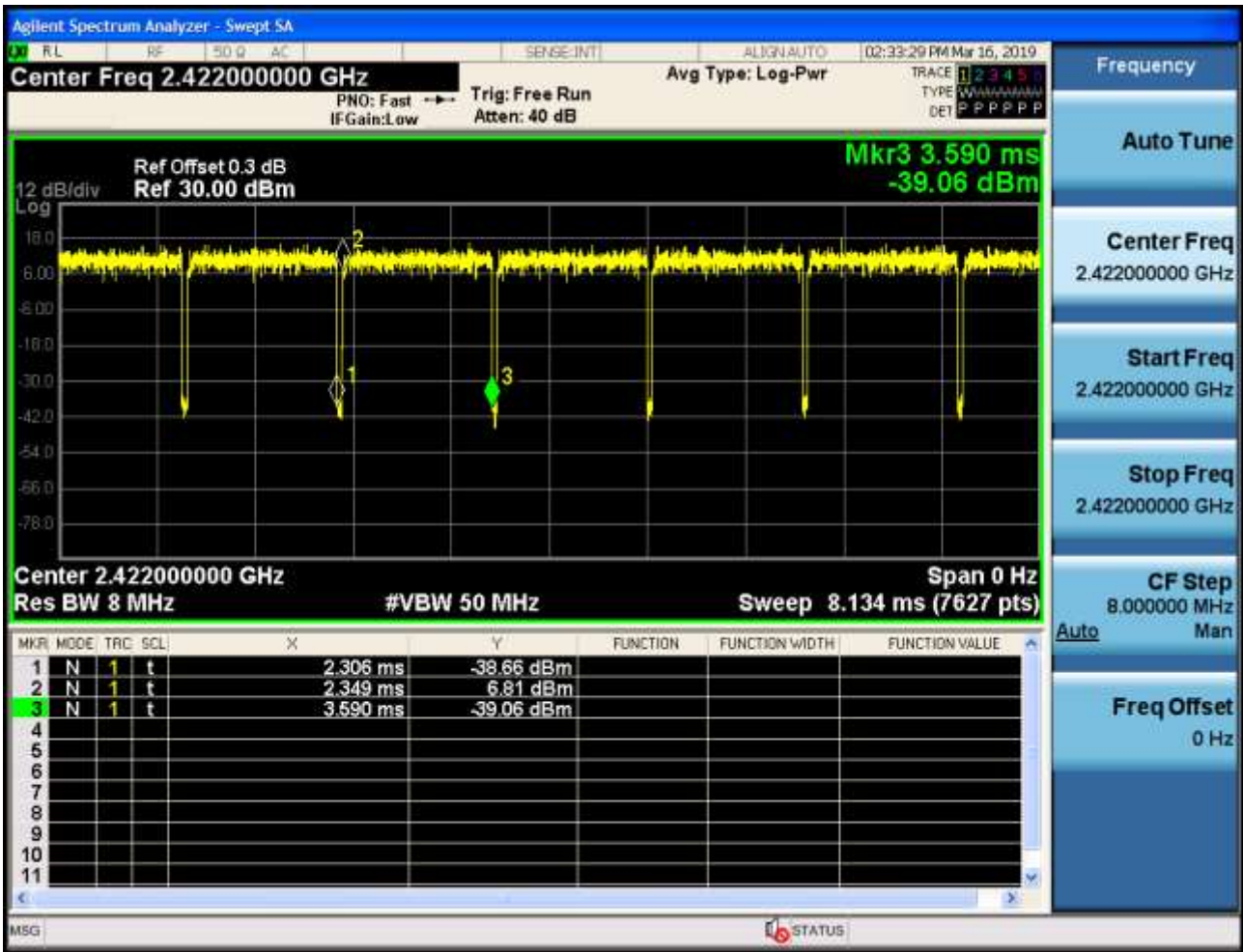


1.13 11N20SISO\_Ant1\_2462

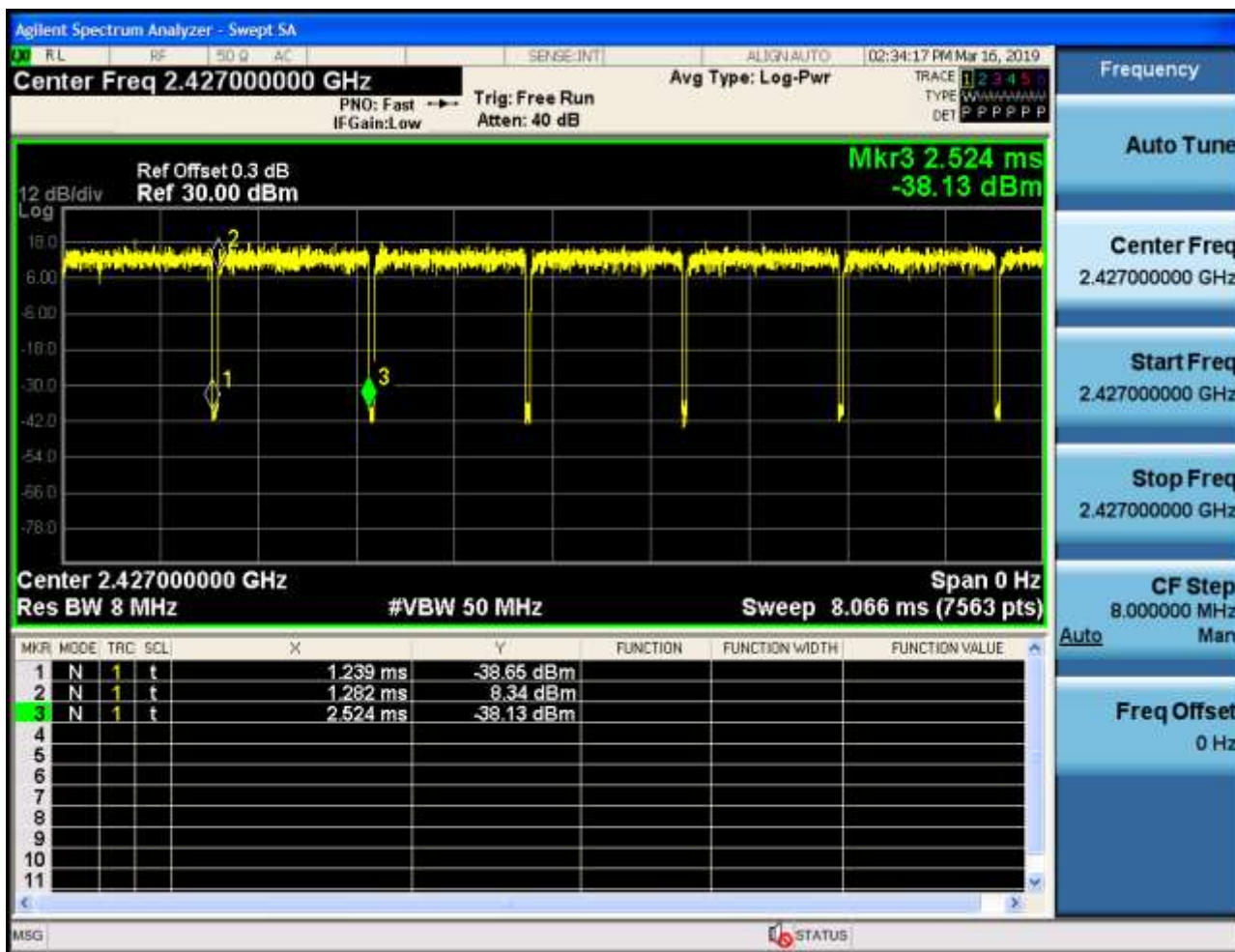




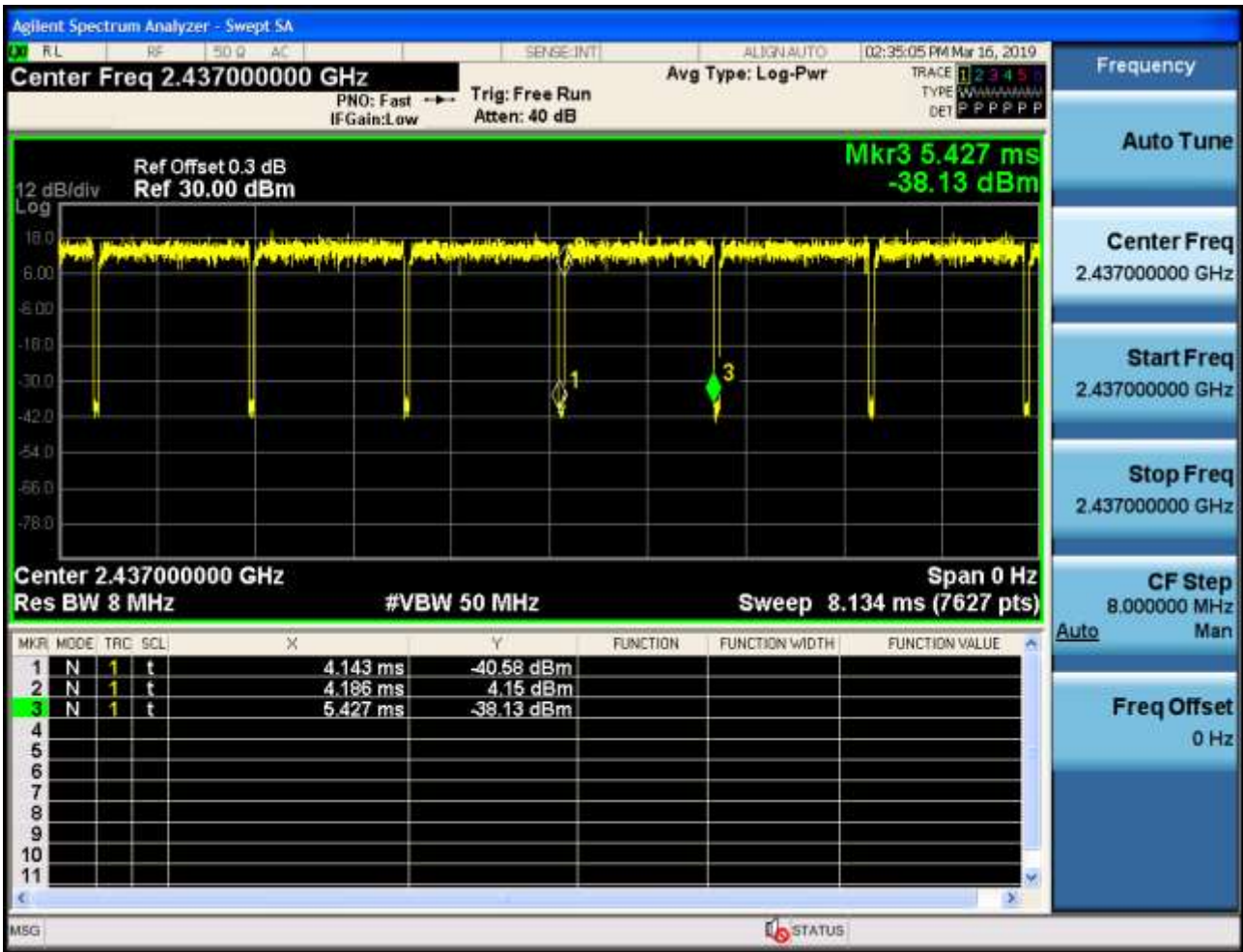
1.14 11N40SISO\_Ant1\_2422



1.15 11N40SISO\_Ant1\_2427



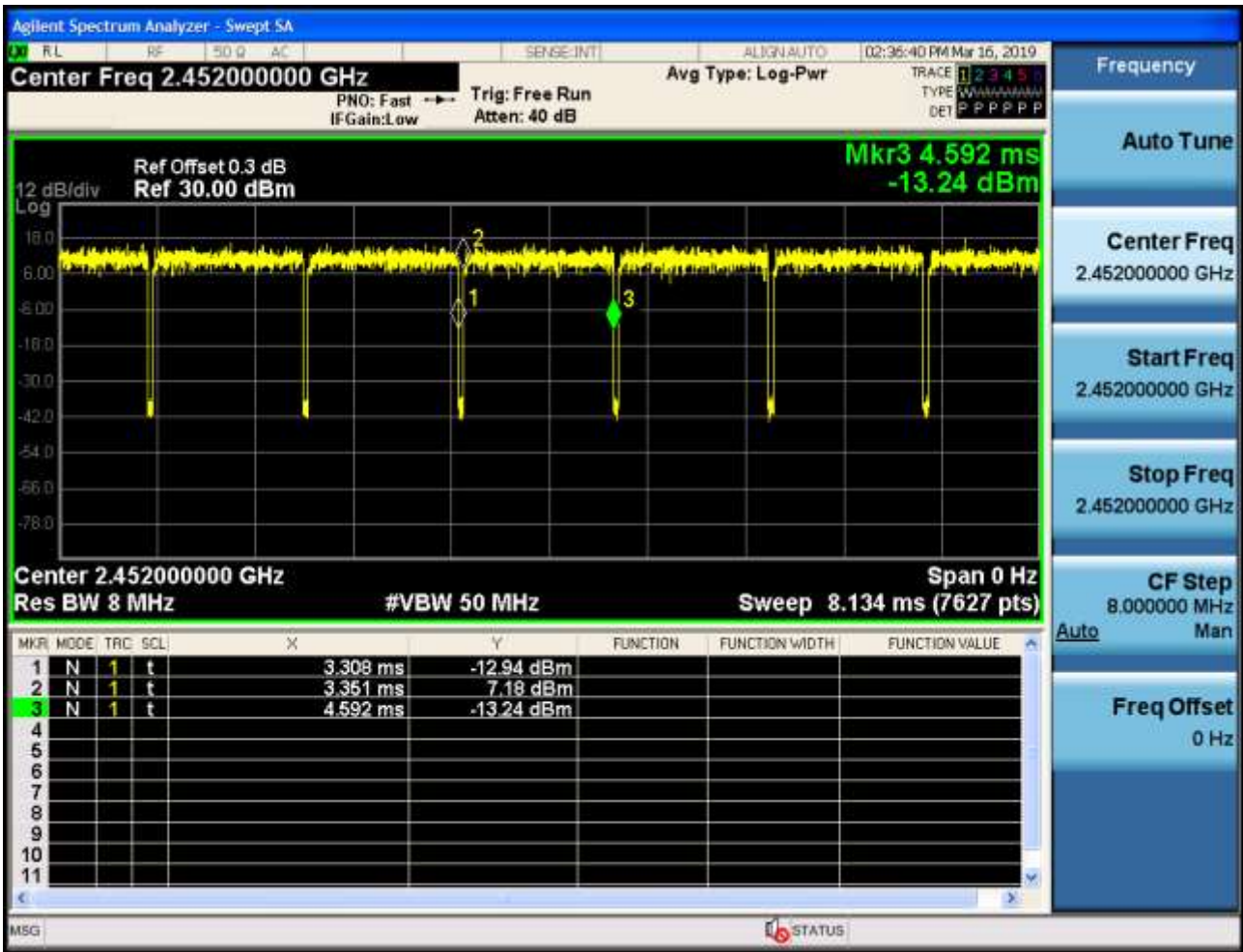
1.16 11N40SISO\_Ant1\_2437



1.17 11N40SISO\_Ant1\_2447



1.18 11N40SISO\_Ant1\_2452





## Appendix D : Maximum Average Output Power

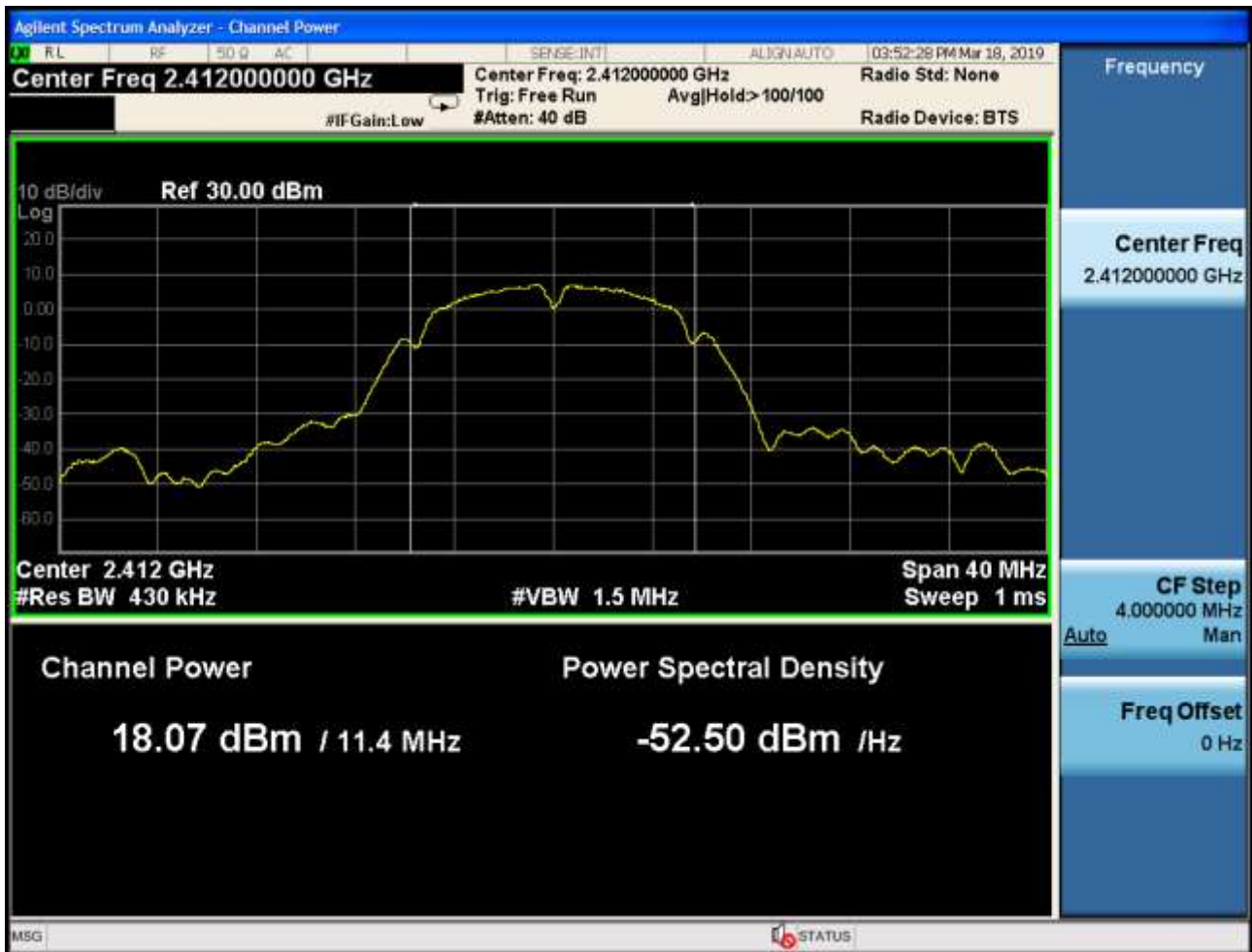
### Part I - Test Results

Test Mode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	18.06	30	15.66	36	PASS
11B	Ant1	2437	18.38	30	15.98	36	PASS
11B	Ant1	2462	18.32	30	15.92	36	PASS
11G	Ant1	2412	14.07	30	11.67	36	PASS
11G	Ant1	2417	14.2	30	11.8	36	PASS
11G	Ant1	2437	14.48	30	12.08	36	PASS
11G	Ant1	2457	14.07	30	11.67	36	PASS
11G	Ant1	2462	14.2	30	11.8	36	PASS
11N20SISO	Ant1	2412	13.62	30	11.22	36	PASS
11N20SISO	Ant1	2417	13.97	30	11.57	36	PASS
11N20SISO	Ant1	2437	13.5	30	11.1	36	PASS
11N20SISO	Ant1	2457	13.07	30	10.67	36	PASS
11N20SISO	Ant1	2462	13.2	30	10.8	36	PASS
11N40SISO	Ant1	2422	11.17	30	8.77	36	PASS
11N40SISO	Ant1	2427	14.23	30	11.83	36	PASS
11N40SISO	Ant1	2437	14.1	30	11.7	36	PASS
11N40SISO	Ant1	2447	13.31	30	10.91	36	PASS
11N40SISO	Ant1	2452	11.02	30	8.62	36	PASS

Note: The Duty Cycle Factor is compensated in the graph.

## Part II - Test Graphs

## 1.1 11B\_Ant1\_2412



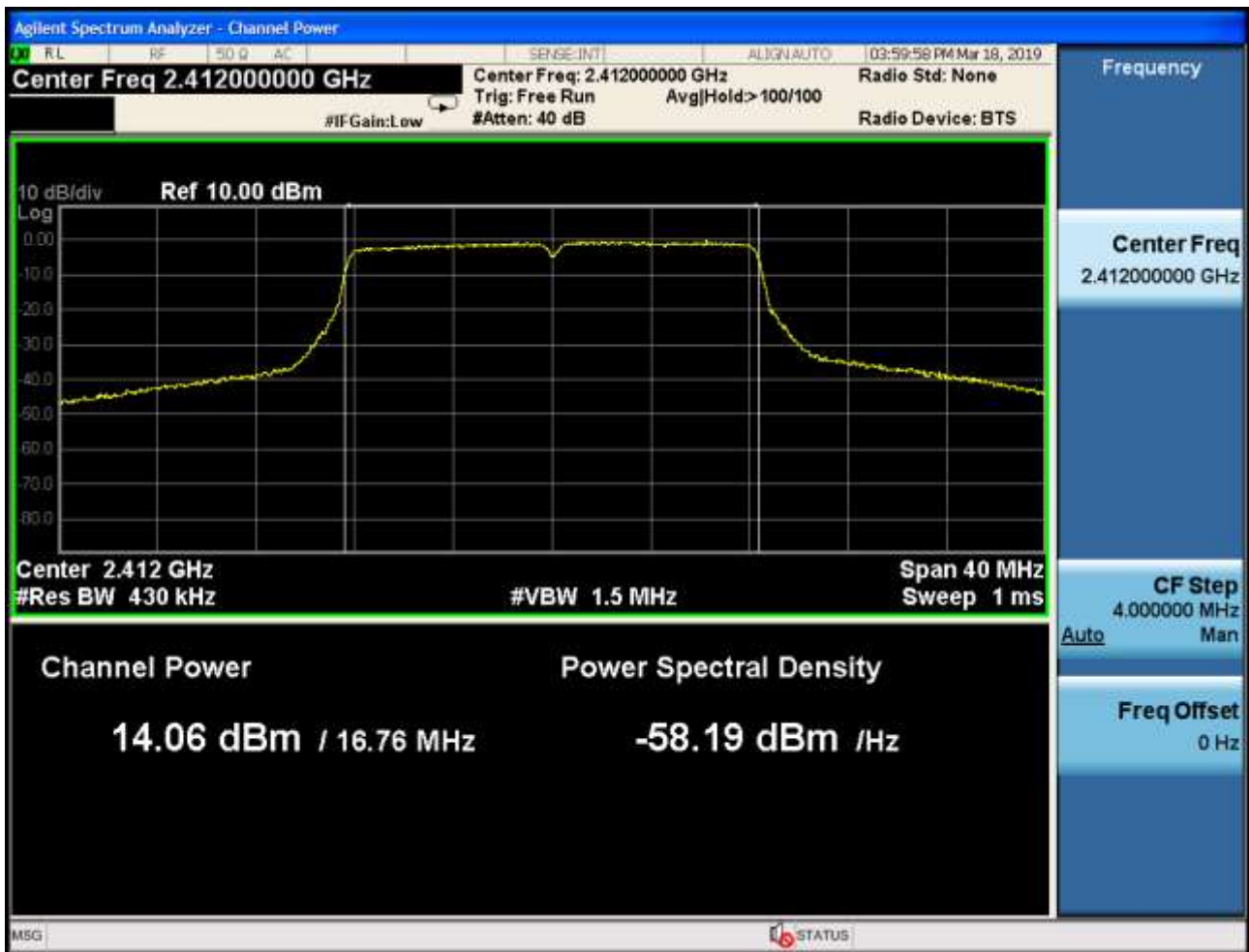
## 1.2 11B\_Ant1\_2437



## 1.3 11B\_Ant1\_2462

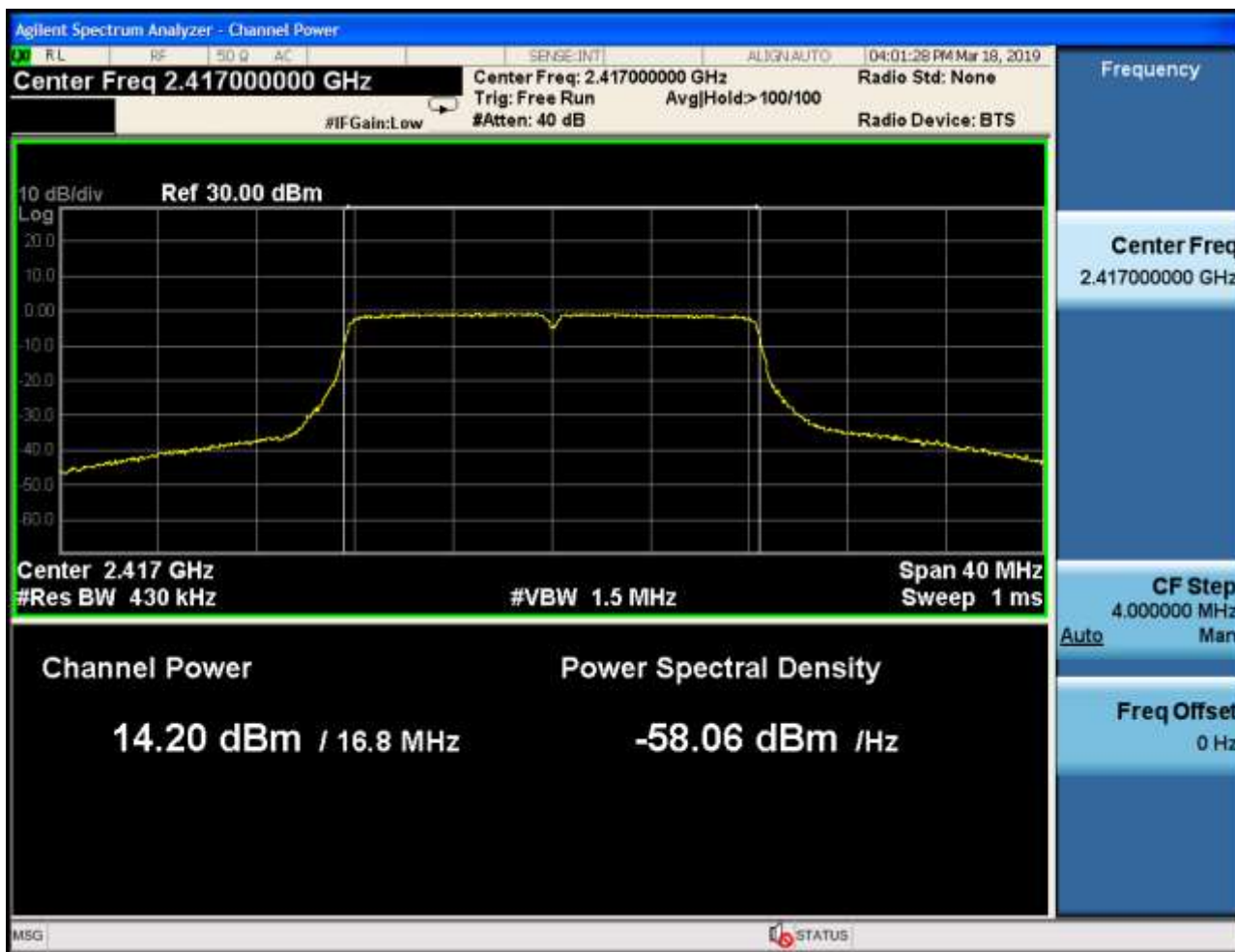


## 1.4 11G\_Ant1\_2412

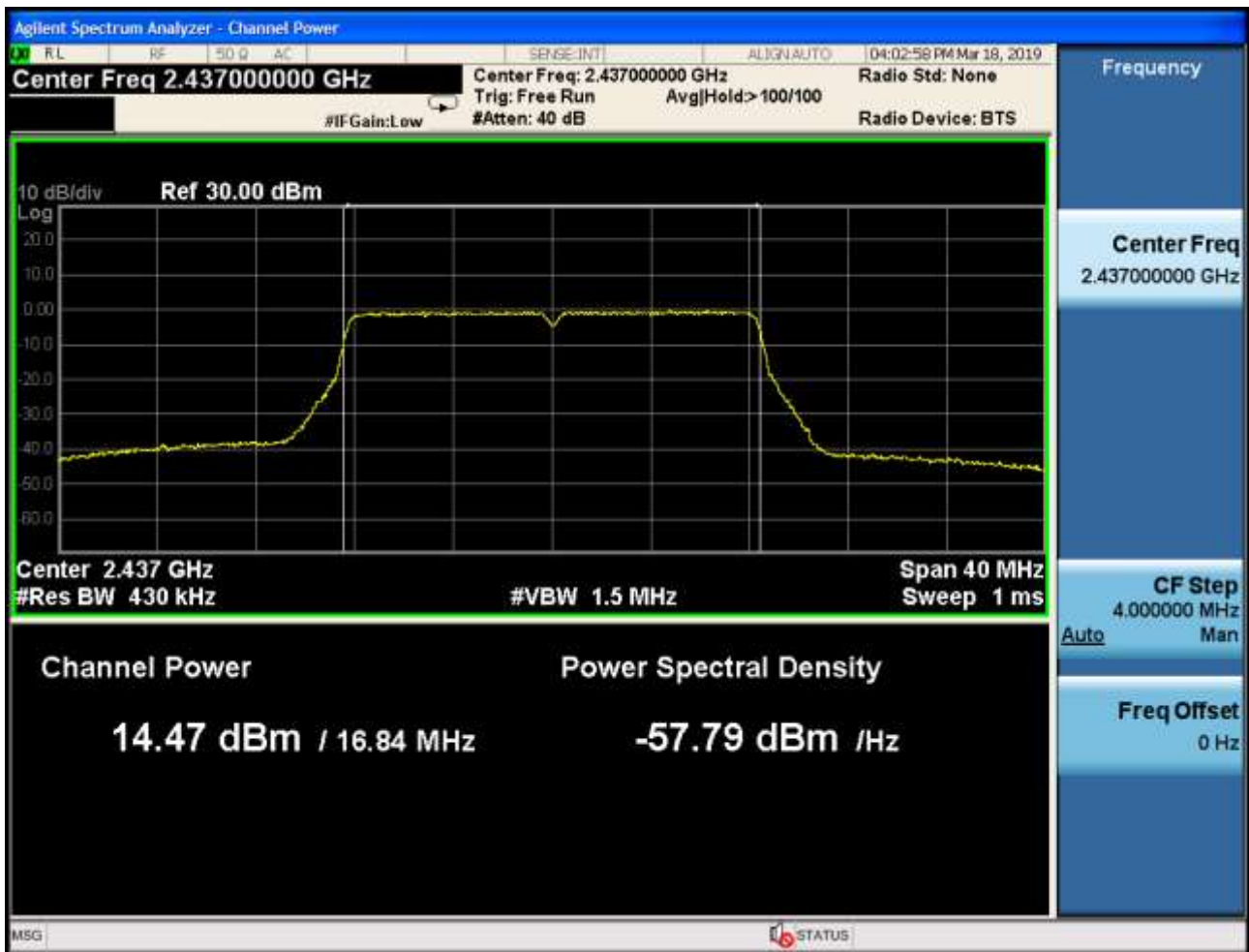




## 1.5 11G\_Ant1\_2417



## 1.6 11G\_Ant1\_2437



## 1.7 11G\_Ant1\_2457





## 1.9 11N20SISO\_Ant1\_2412





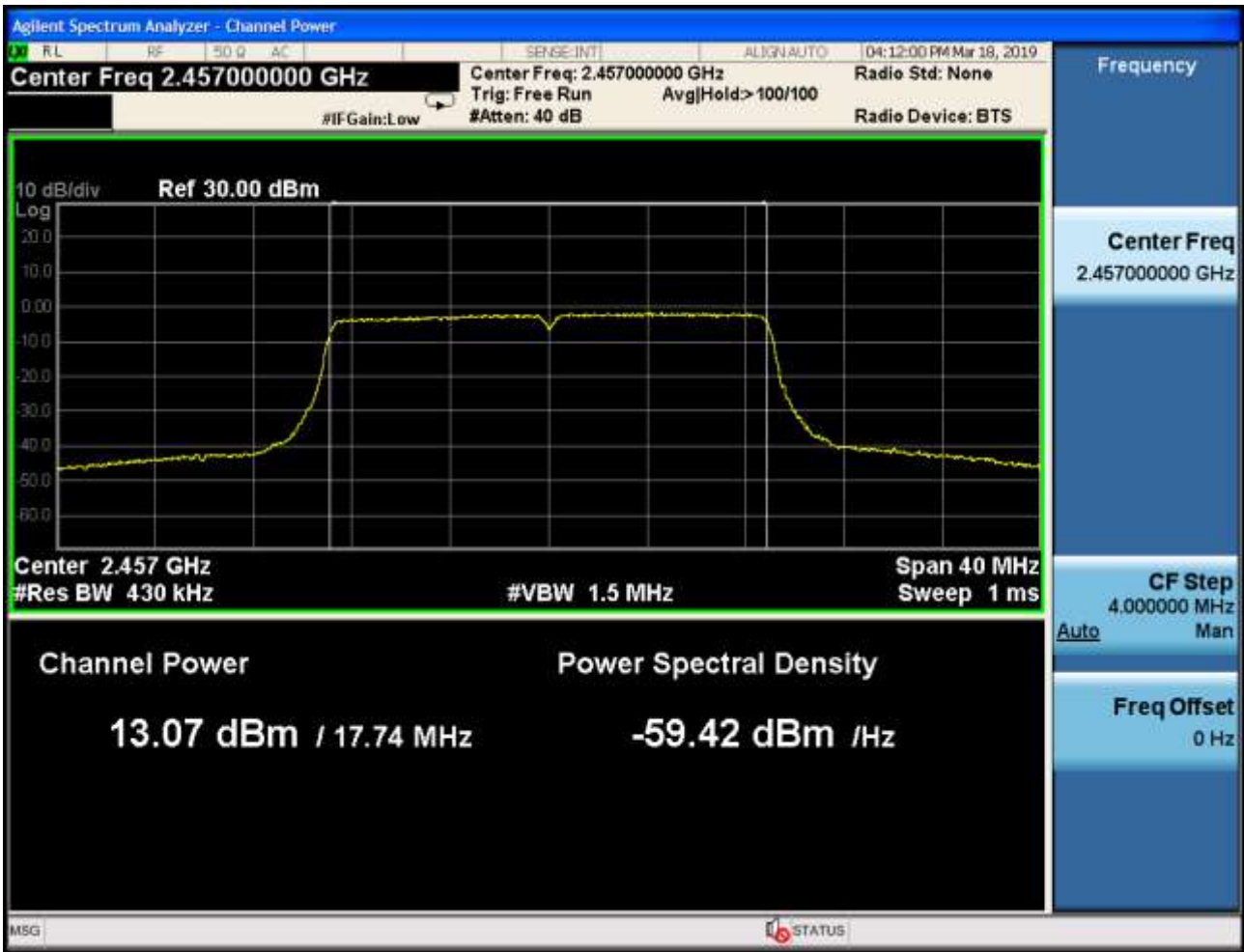
## 1.10 11N20SISO\_Ant1\_2417



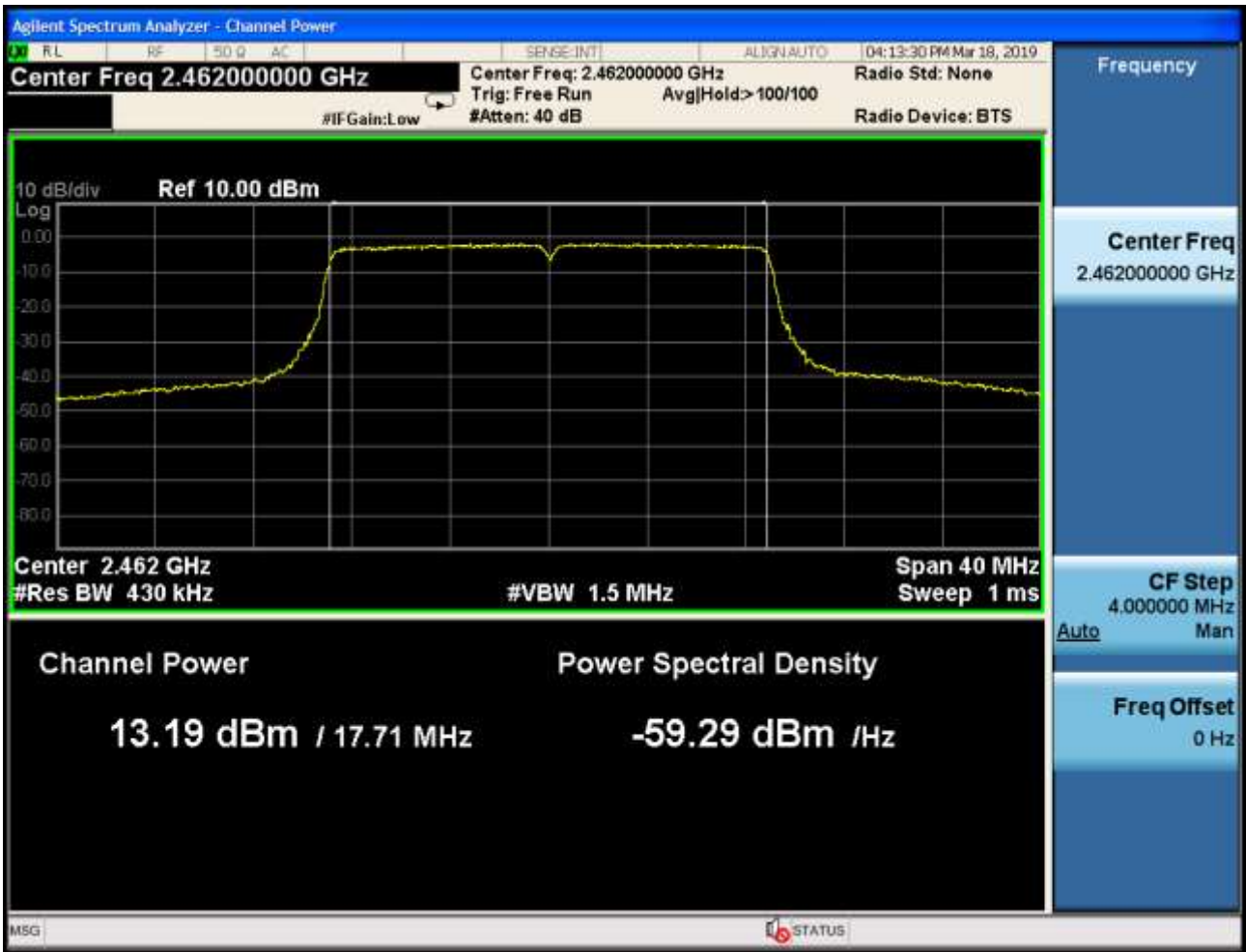
## 1.11 11N20SISO\_Ant1\_2437



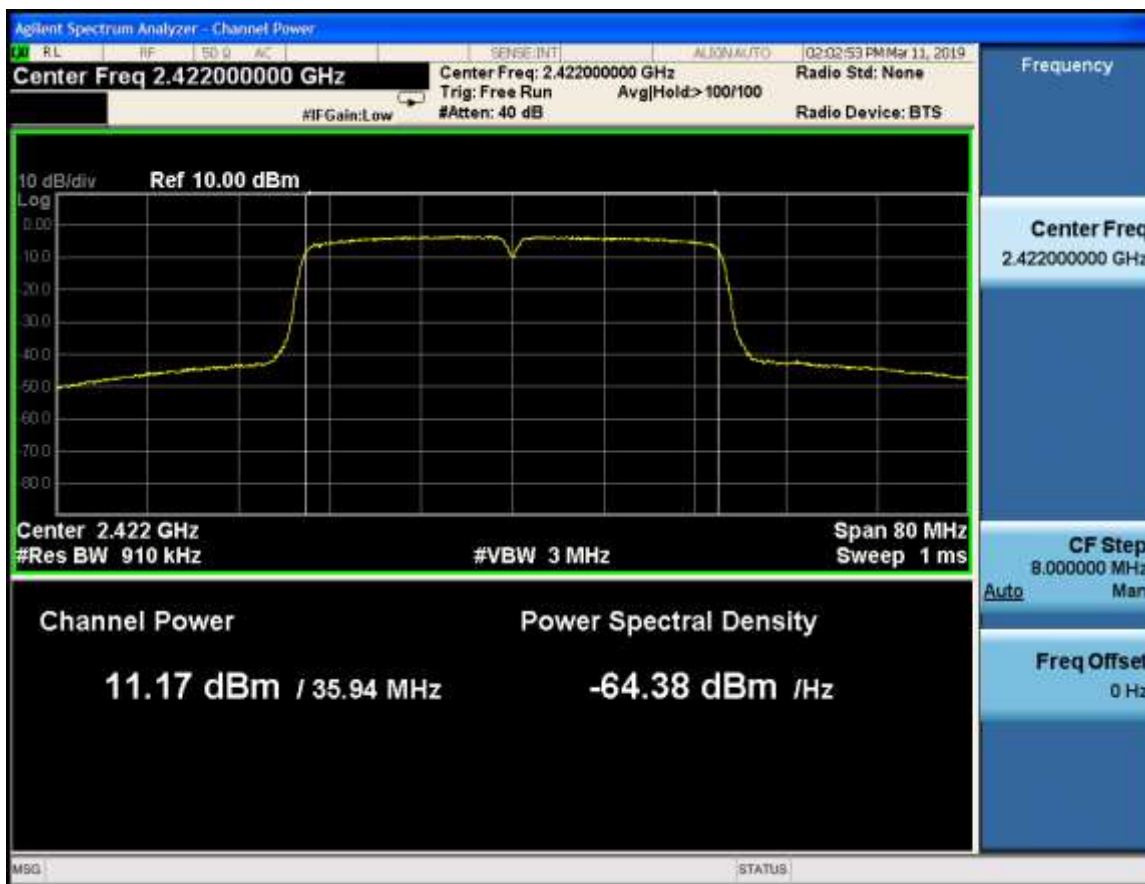
## 1.12 11N20SISO\_Ant1\_2457



1.13 11N20SISO\_Ant1\_2462



## 1.14 11N40SISO\_Ant1\_2422

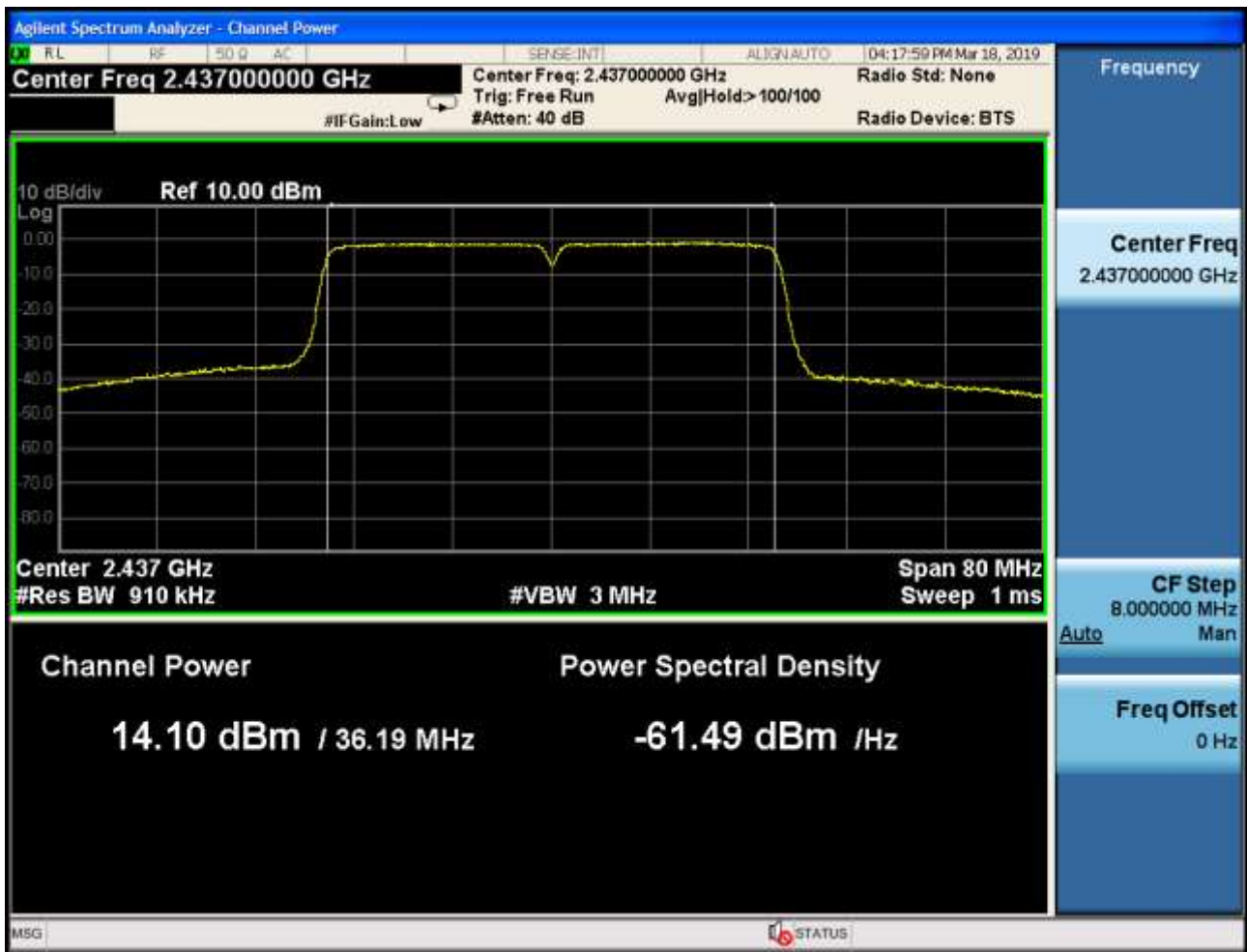




## 1.15 11N40SISO\_Ant1\_2427



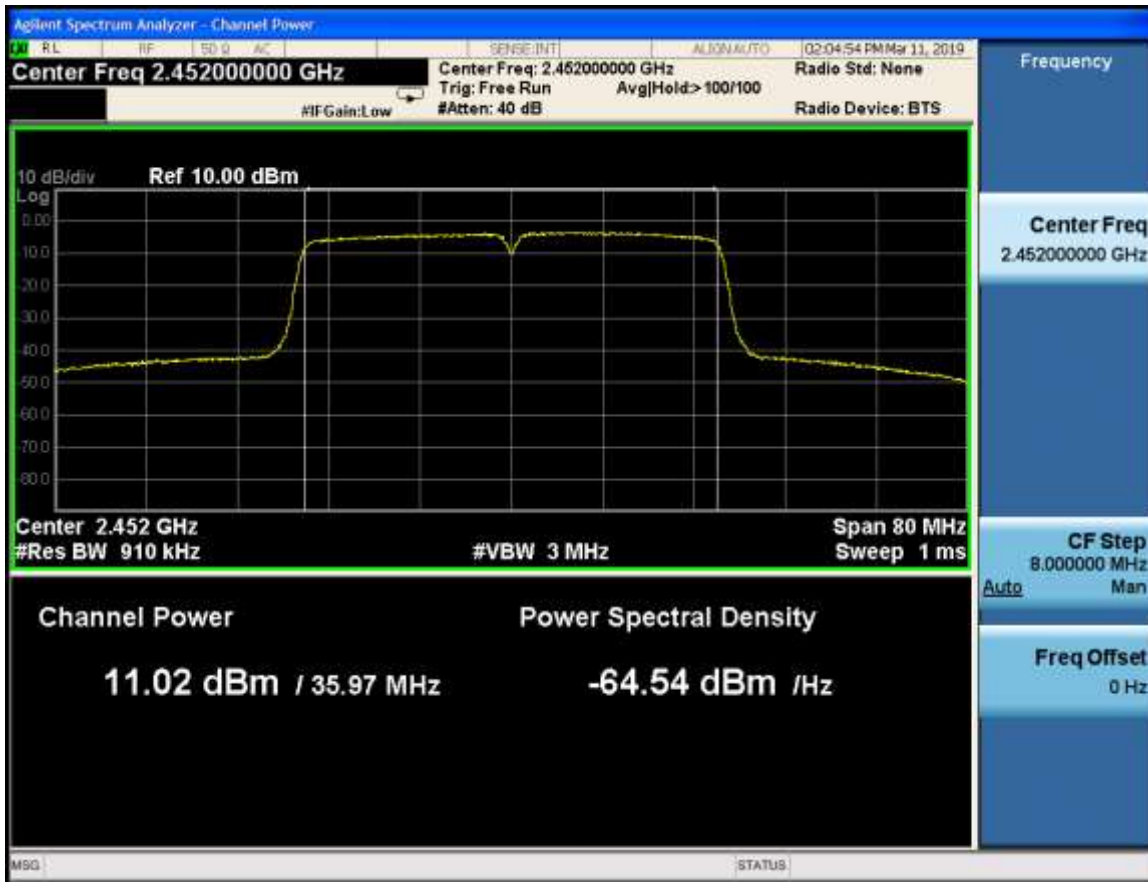
## 1.16 11N40SISO\_Ant1\_2437



## 1.17 11N40SISO\_Ant1\_2447



## 1.18 11N40SISO\_Ant1\_2452



## Appendix E: Maximum Power Spectral Density Level

### Part I - Test Results

Test Mode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.86	8	PASS
11B	Ant1	2437	-4.48	8	PASS
11B	Ant1	2457	-9.56	8	PASS
11B	Ant1	2462	-9.35	8	PASS
11G	Ant1	2412	-16.73	8	PASS
11G	Ant1	2417	-14.64	8	PASS
11G	Ant1	2437	-10.69	8	PASS
11G	Ant1	2457	-15.82	8	PASS
11G	Ant1	2462	-16.13	8	PASS
11N20SISO	Ant1	2412	-17.81	8	PASS
11N20SISO	Ant1	2422	-15.94	8	PASS
11N20SISO	Ant1	2437	-12.12	8	PASS
11N20SISO	Ant1	2457	-16.96	8	PASS
11N20SISO	Ant1	2462	-17.61	8	PASS
11N40SISO	Ant1	2422	-18.49	8	PASS
11N40SISO	Ant1	2427	-16.34	8	PASS
11N40SISO	Ant1	2437	-14.35	8	PASS
11N40SISO	Ant1	2447	-15.34	8	PASS
11N40SISO	Ant1	2452	-17.92	8	PASS

Note: The Duty Cycle Factor is compensated in the graph.



## Part II - Test Graphs

## 1.1 11B\_Ant1\_2412



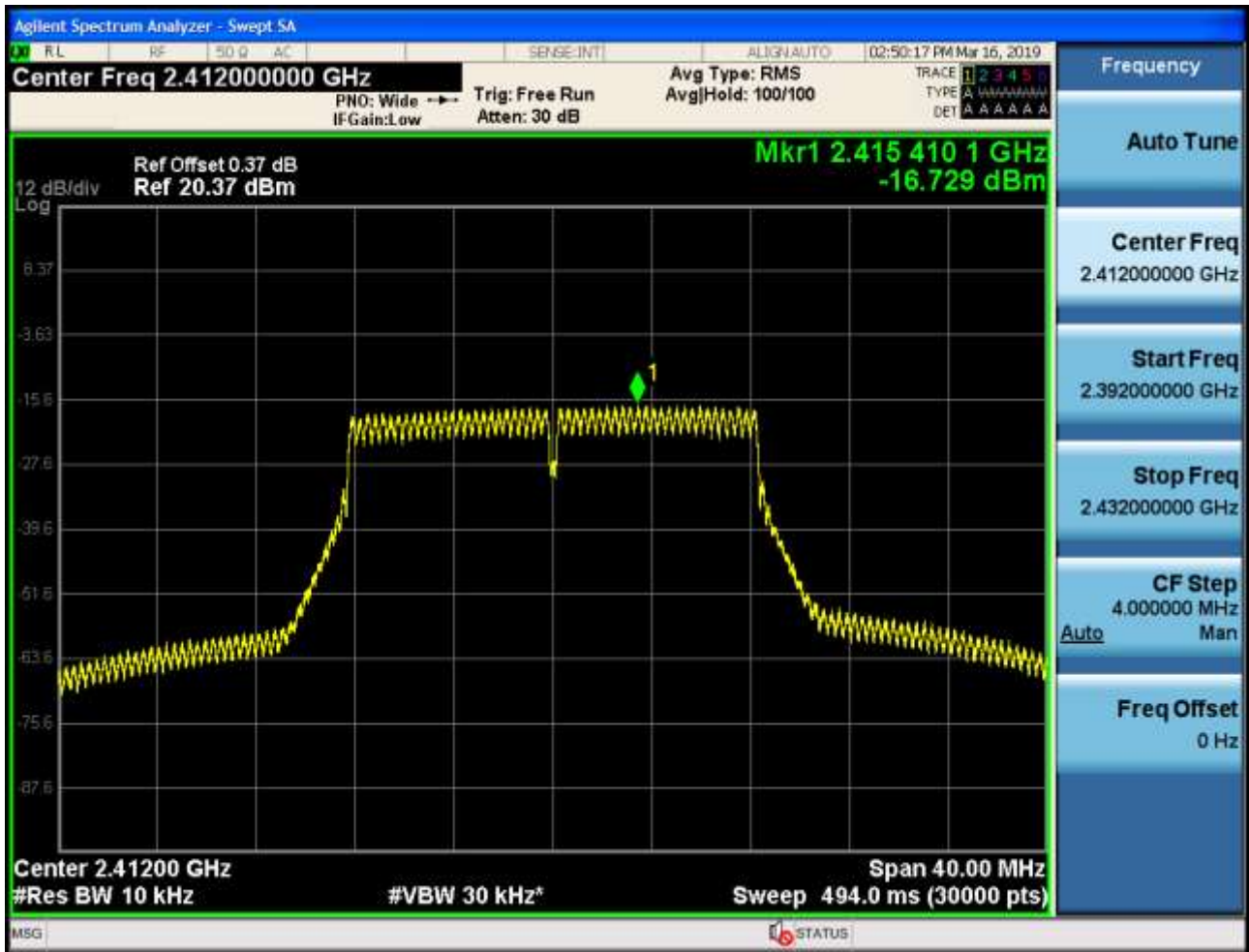
### 1.2 11B\_Ant1\_2437



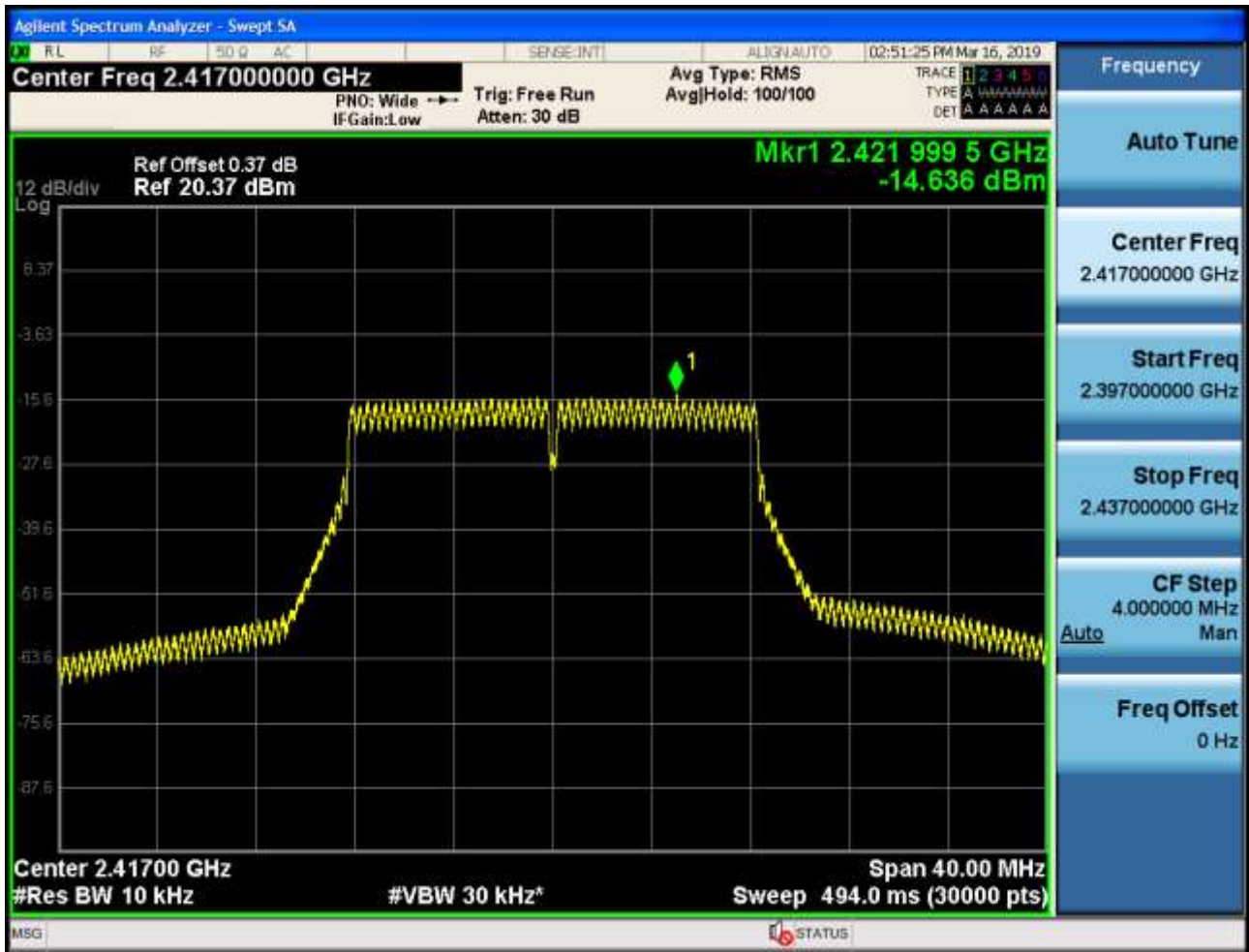
## 1.3 11B\_Ant1\_2462



## 1.4 11G\_Ant1\_2412



## 1.5 11G\_Ant1\_2417

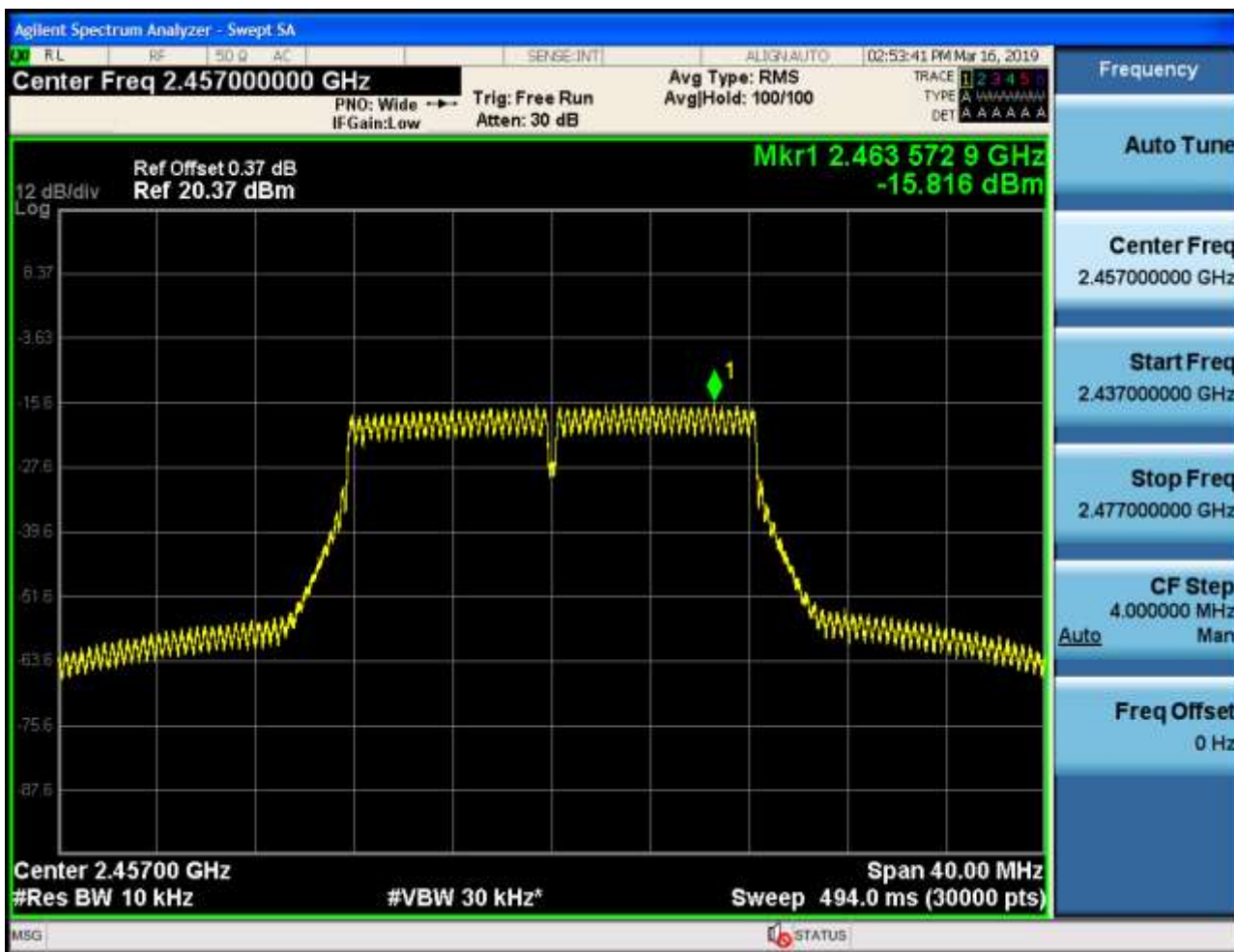




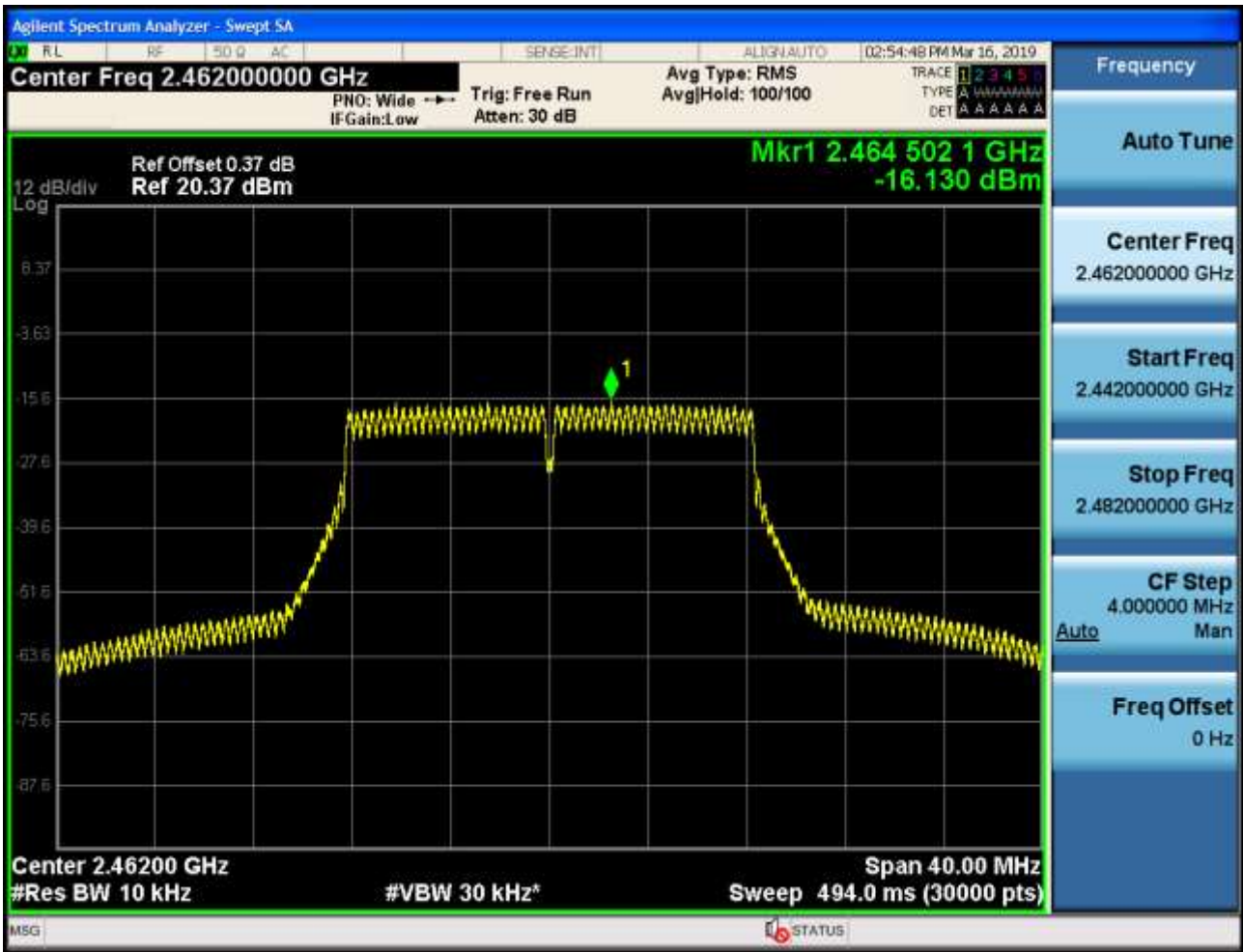
1.6 11G\_Ant1\_2437



## 1.7 11G\_Ant1\_2457



### 1.8 11G\_Ant1\_2462



## 1.9 11N20SISO\_Ant1\_2412

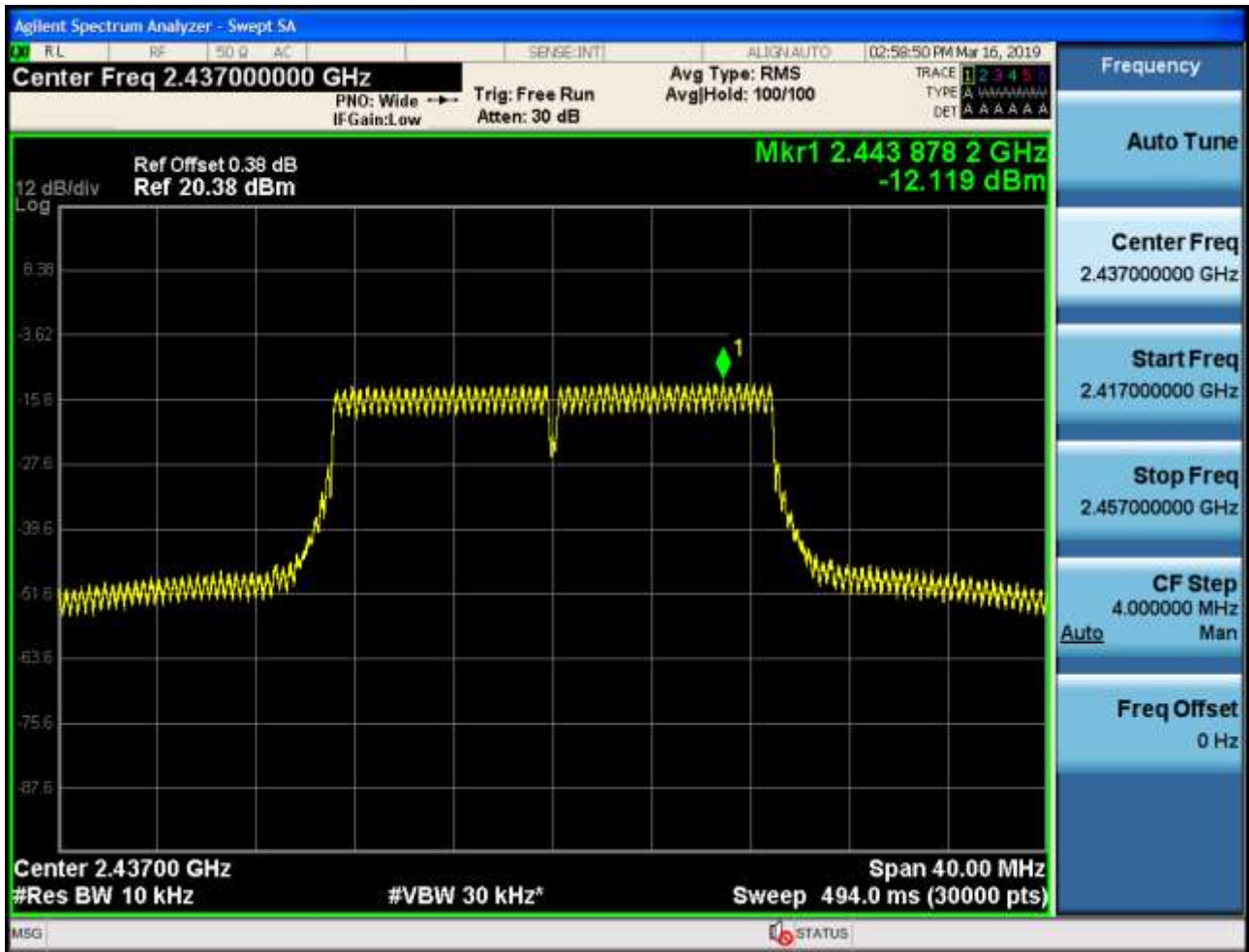


## 1.10 11N20SISO\_Ant1\_2422





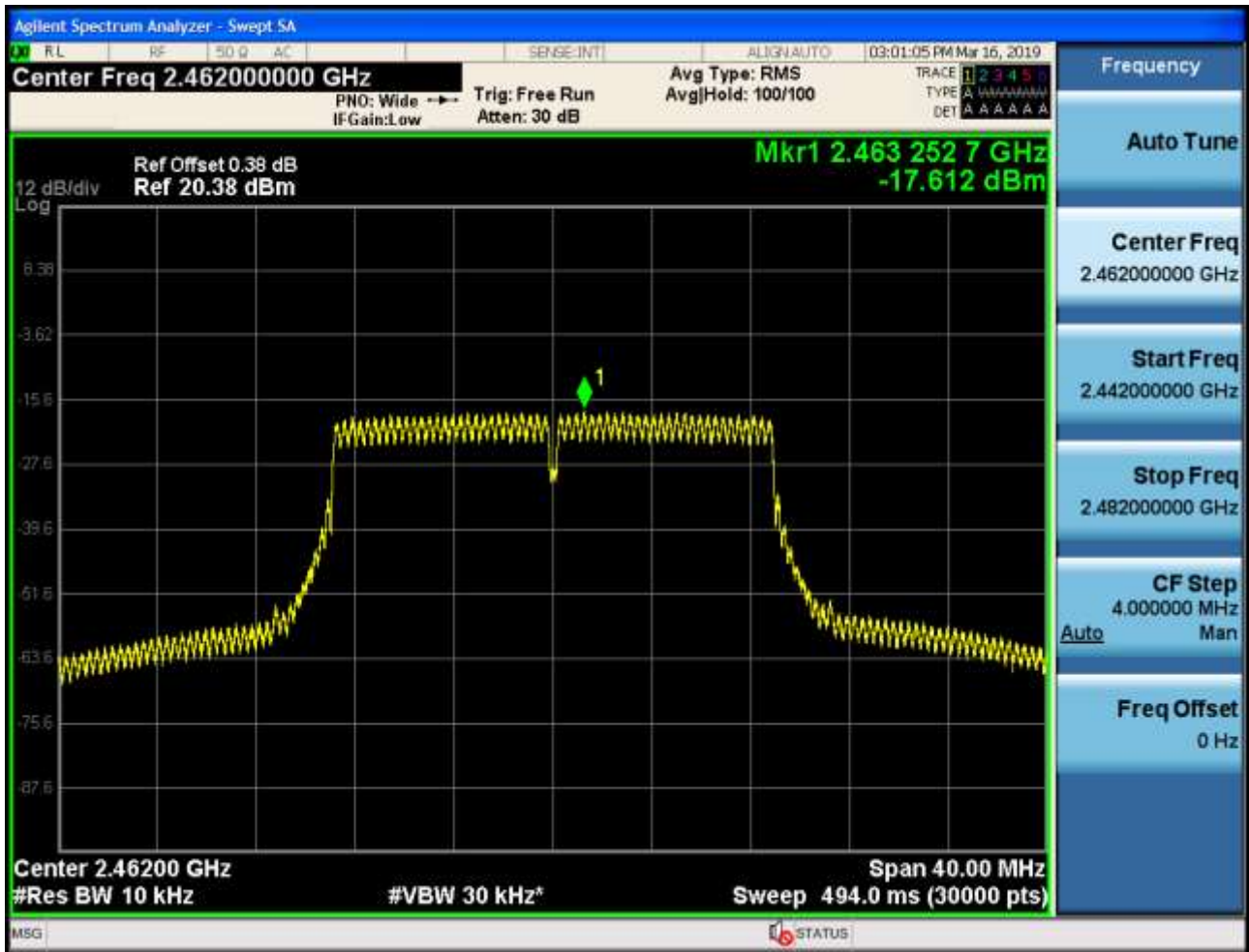
## 1.11 11N20SISO\_Ant1\_2437



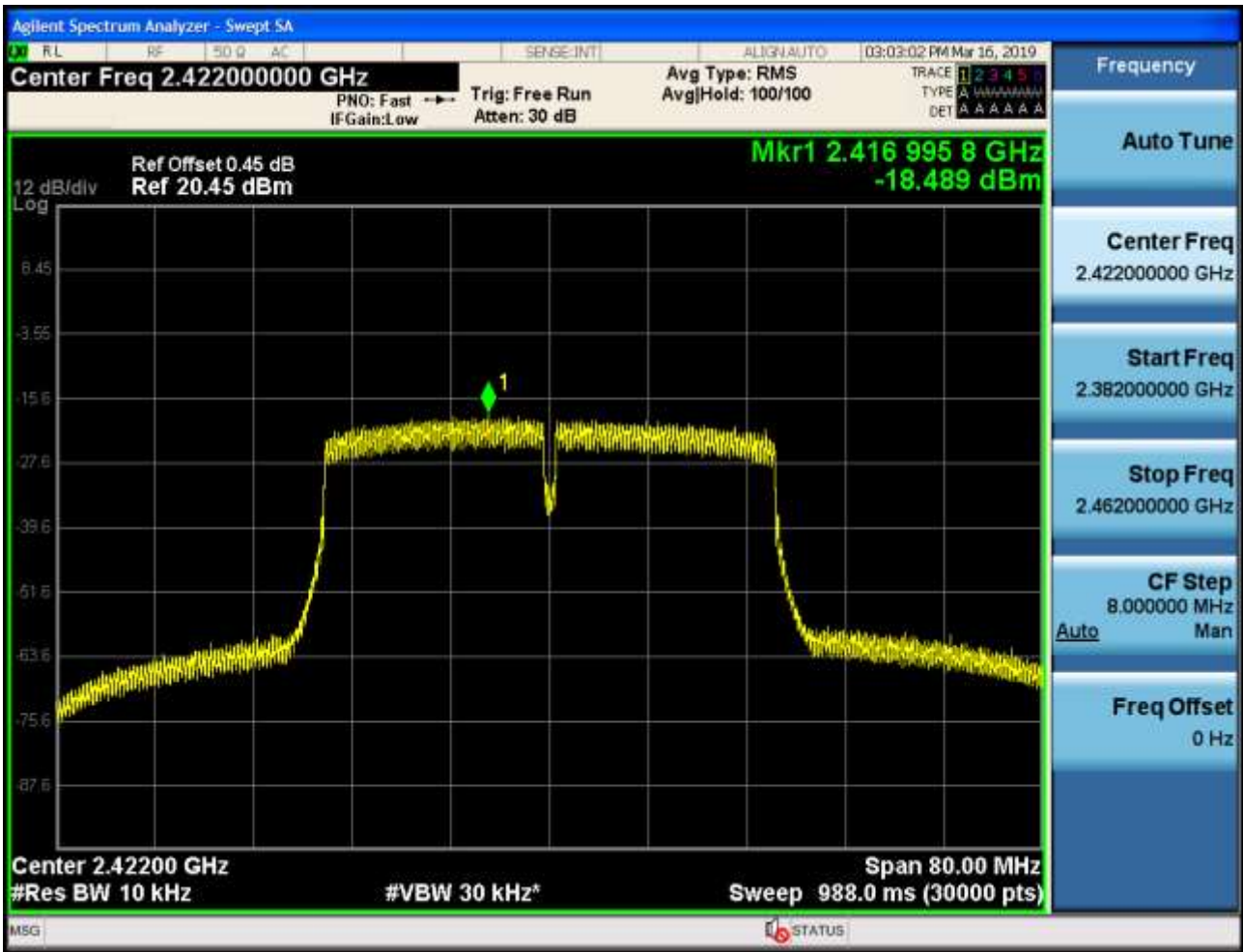
## 1.12 11N20SISO\_Ant1\_2457



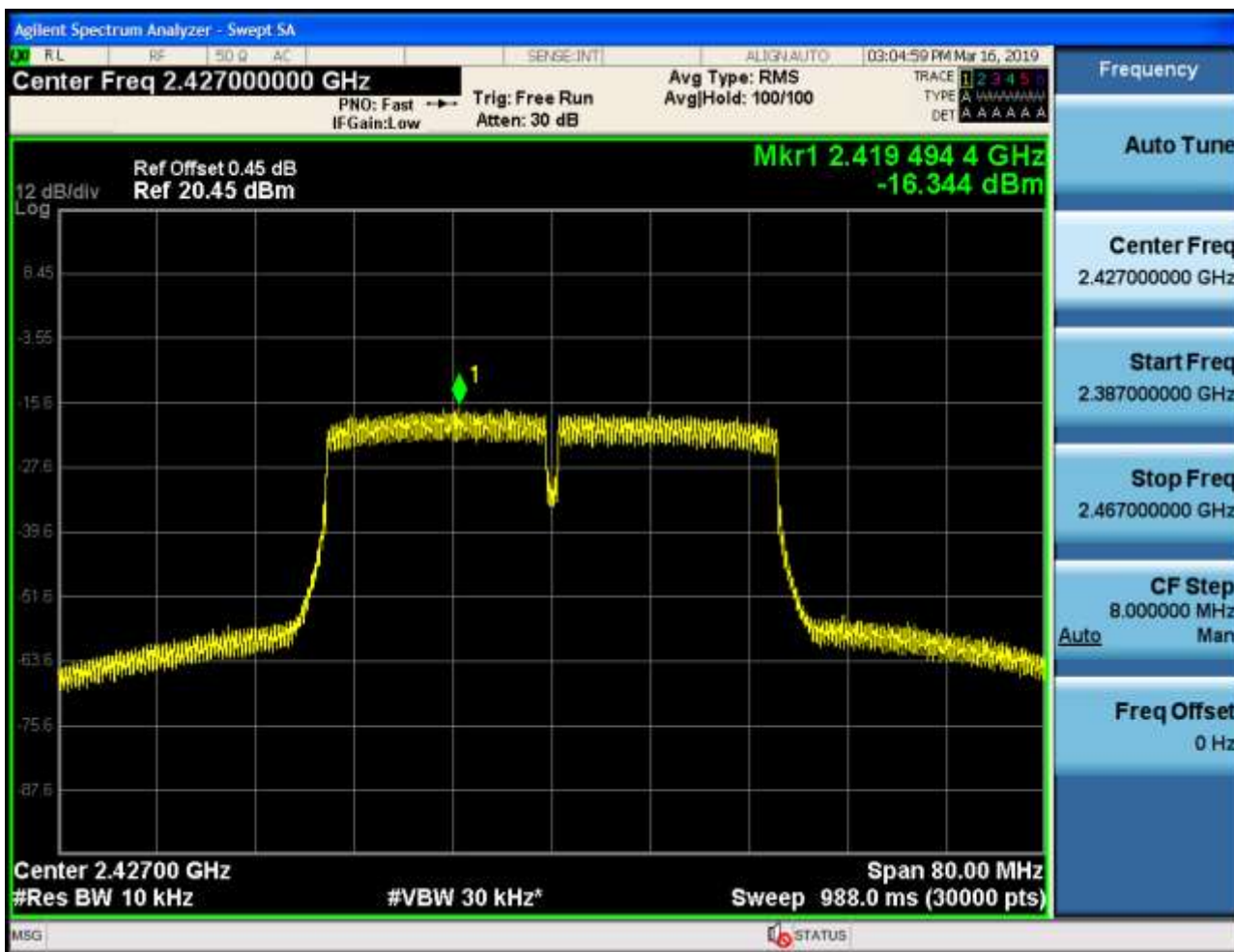
## 1.13 11N20SISO\_Ant1\_2462



1.14 11N40SISO\_Ant1\_2422

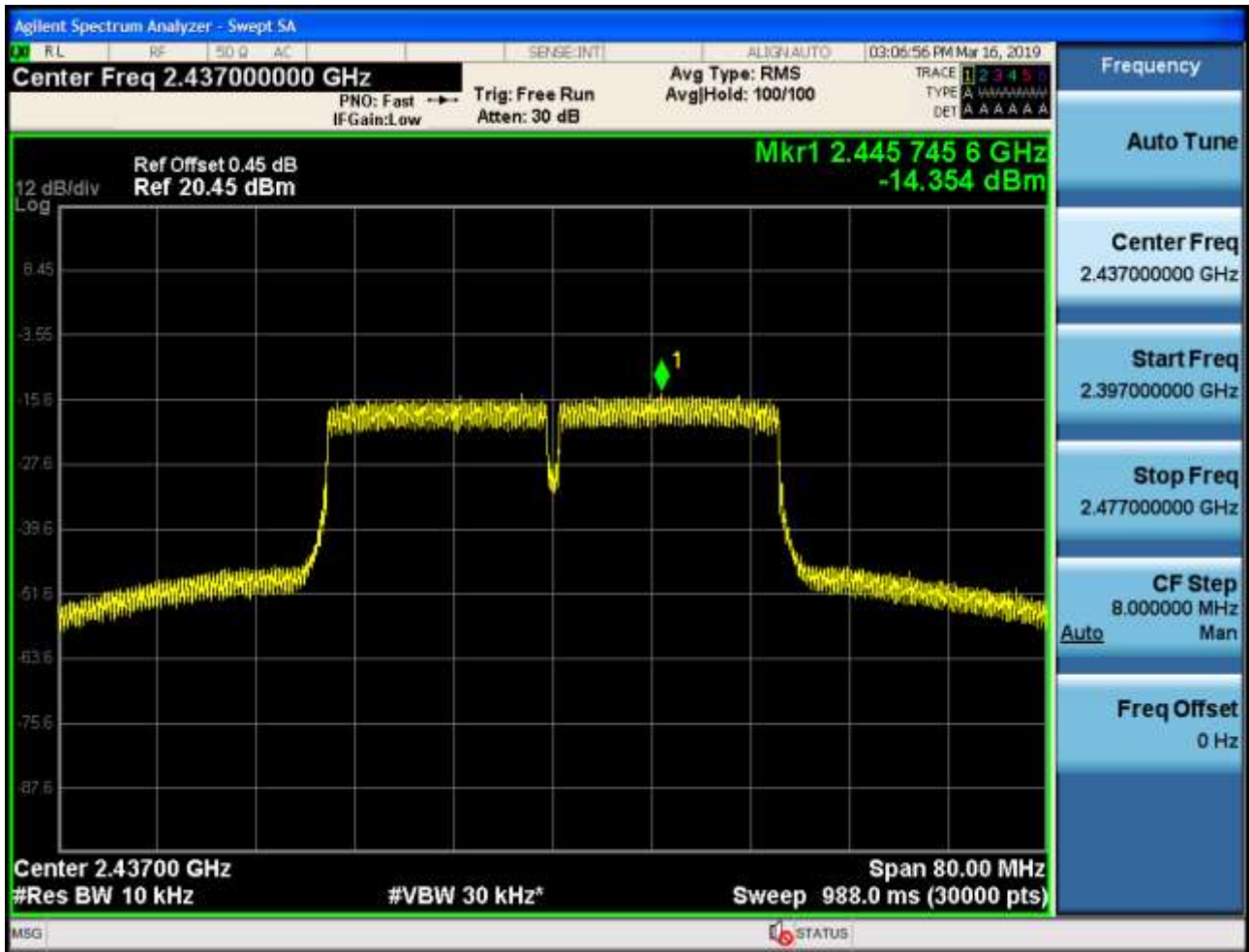


## 1.15 11N40SISO\_Ant1\_2427

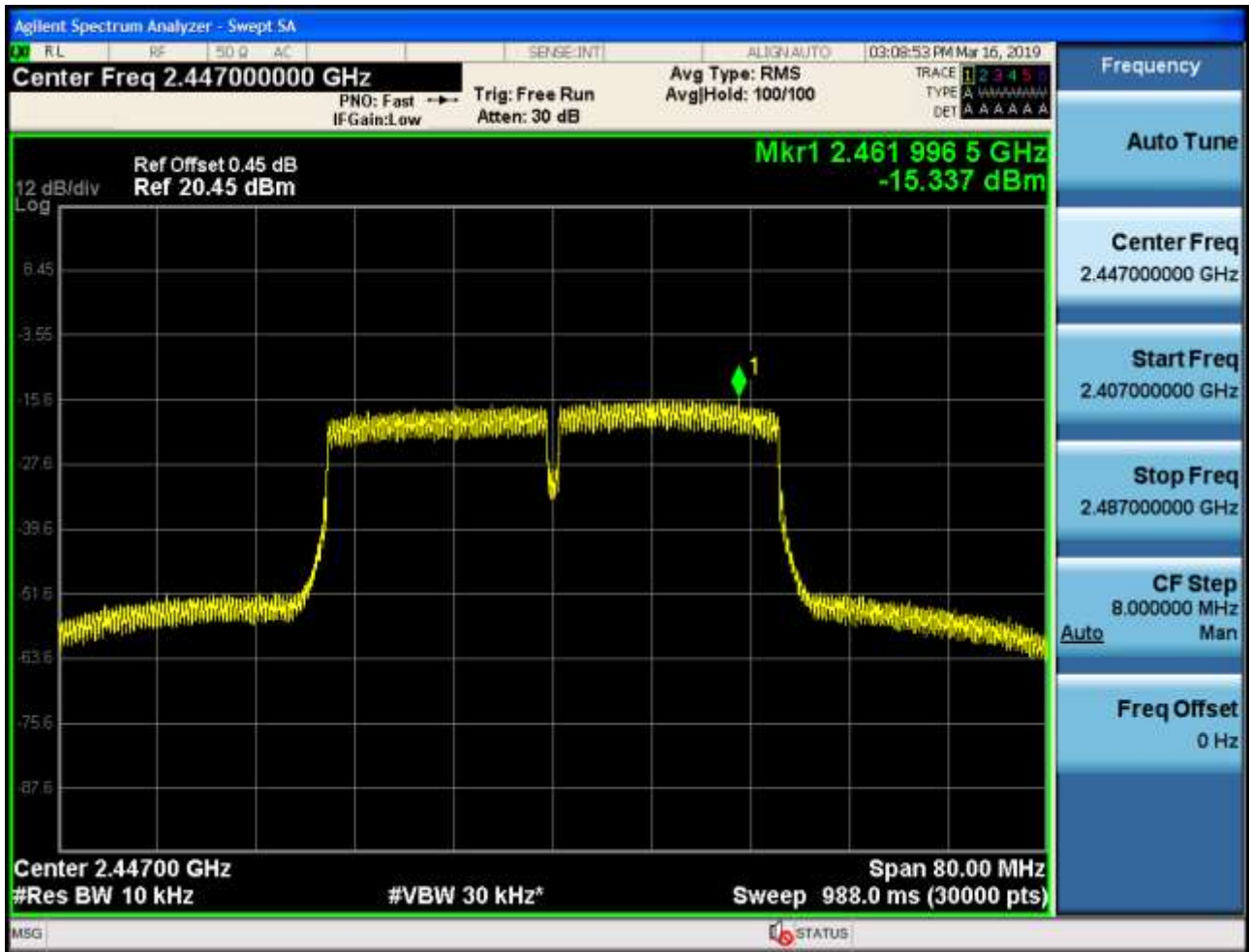




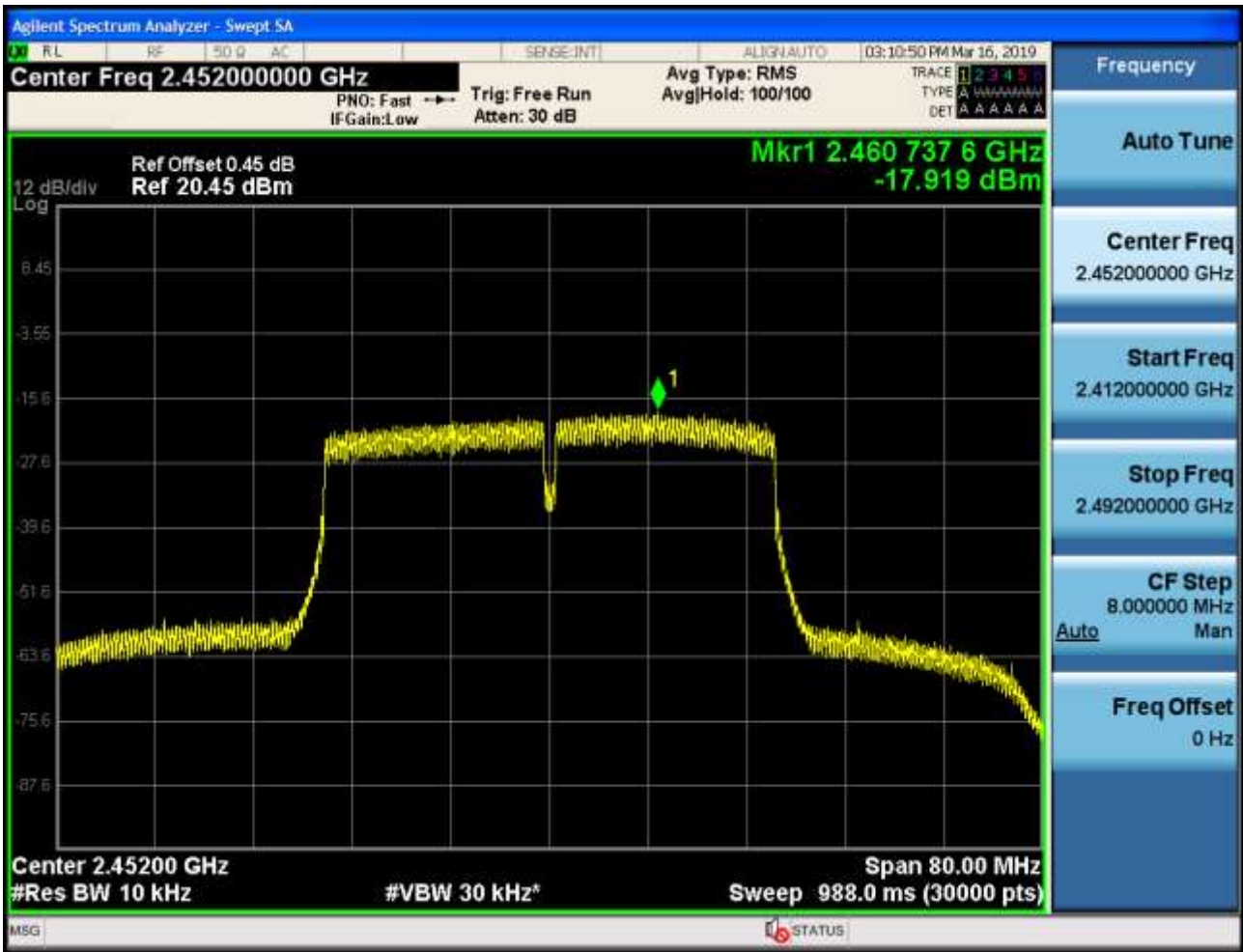
## 1.16 11N40SISO\_Ant1\_2437



## 1.17 11N40SISO\_Ant1\_2447



1.18 11N40SISO\_Ant1\_2452



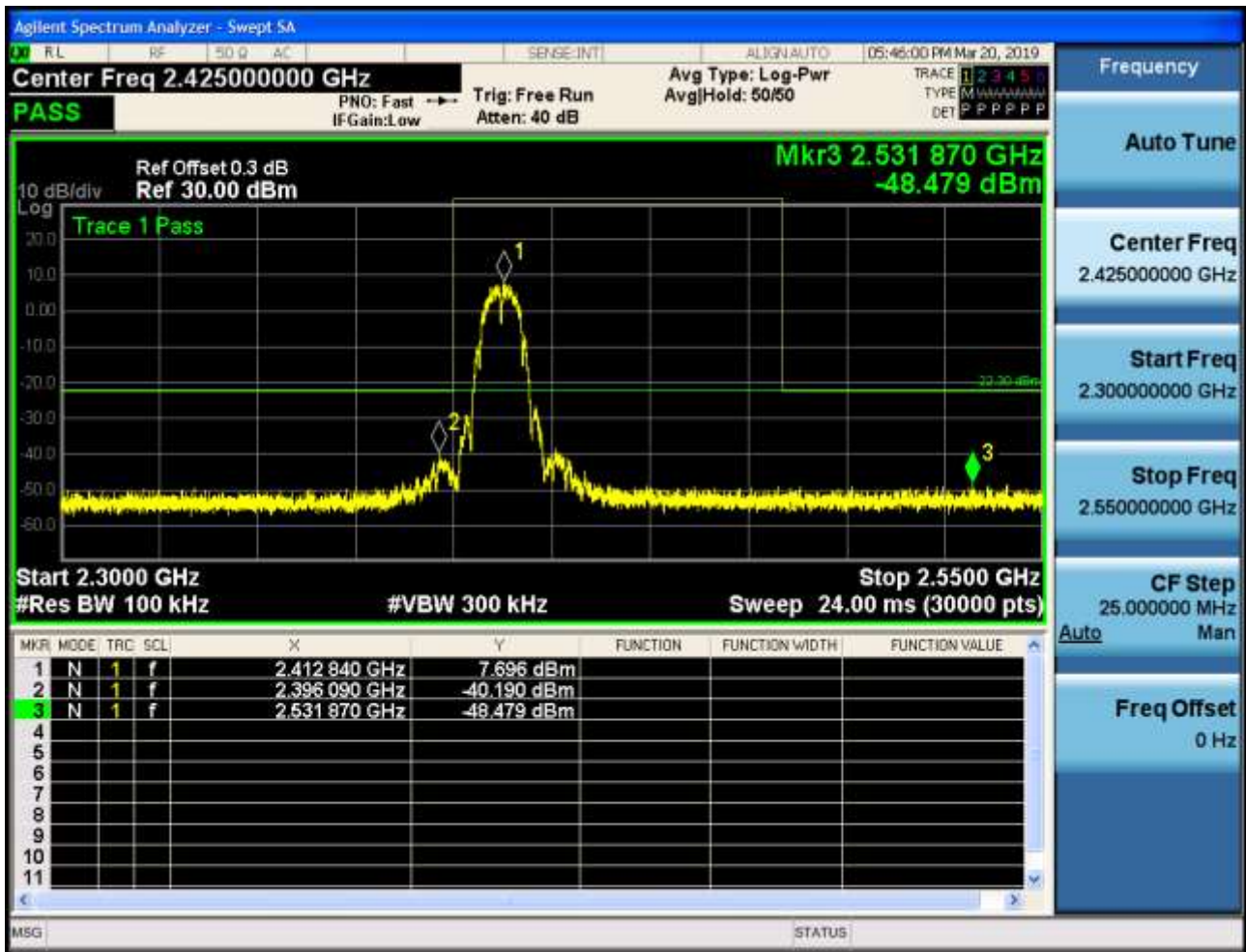
## Appendix F: Band Edges Compliance

### Part I - Test Results

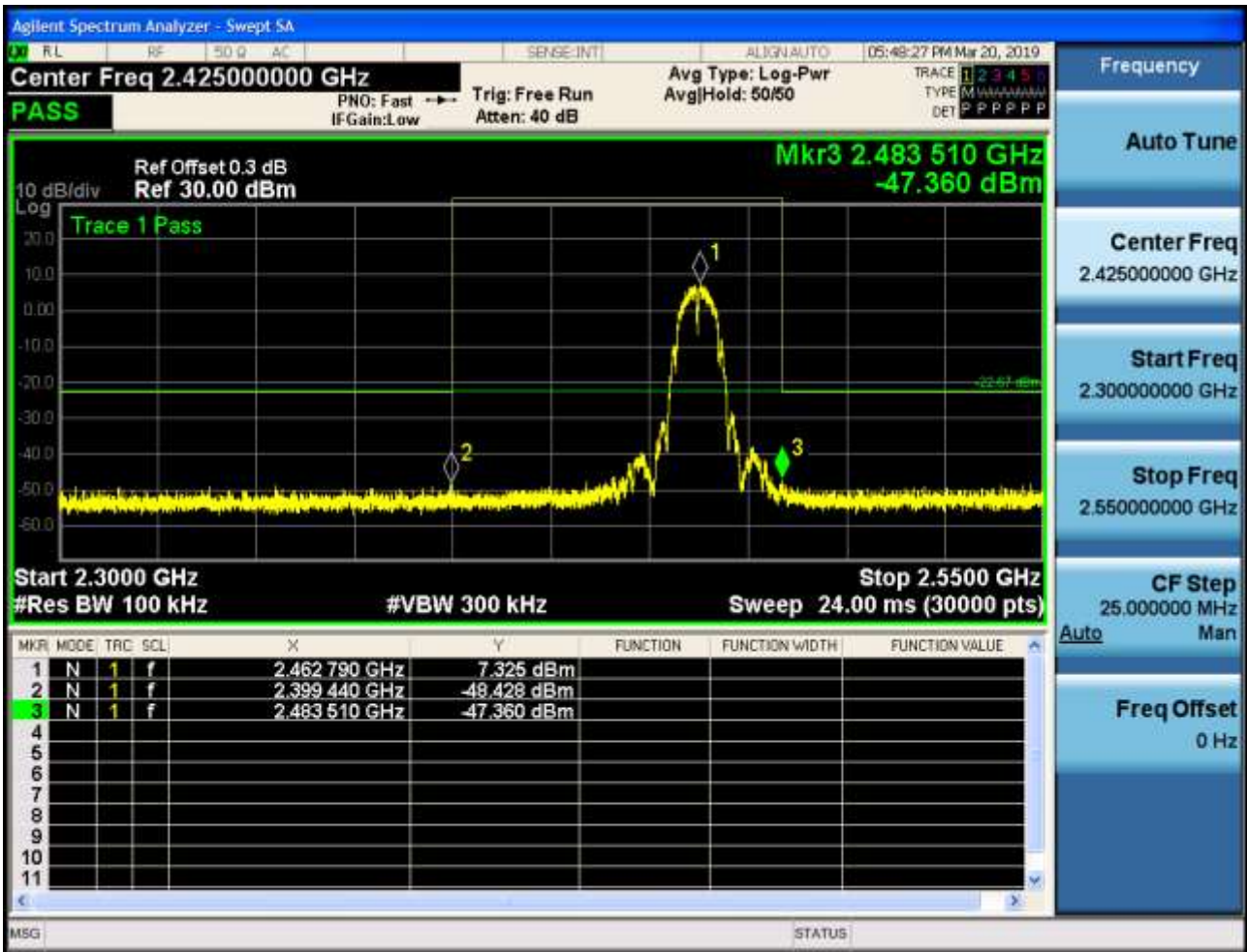
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.7	-40.19	-22.3	PASS
11B	Ant1	High	2462	7.33	-47.36	-22.67	PASS
11G	Ant1	Low	2412	2.03	-38.88	-27.97	PASS
11G	Ant1	Low	2417	3.19	-48.39	-26.81	PASS
11G	Ant1	High	2457	2.25	-48.05	-27.75	PASS
11G	Ant1	High	2462	0.36	-46.35	-29.64	PASS
11N20SISO	Ant1	Low	2412	-1.16	-41.68	-31.16	PASS
11N20SISO	Ant1	Low	2417	0.46	-48.97	-29.54	PASS
11N20SISO	Ant1	High	2457	0.0	-48.2	-30.0	PASS
11N20SISO	Ant1	High	2462	0.53	-45.17	-29.47	PASS
11N40SISO	Ant1	Low	2422	-3.57	-45.28	-33.57	PASS
11N40SISO	Ant1	Low	2427	-0.99	-47.83	-30.99	PASS
11N40SISO	Ant1	High	2447	-1.17	-44.76	-31.17	PASS
11N40SISO	Ant1	High	2452	-3.32	-45.41	-33.32	PASS

Part II - Test Graphs

1.1 11B\_Ant1\_2412

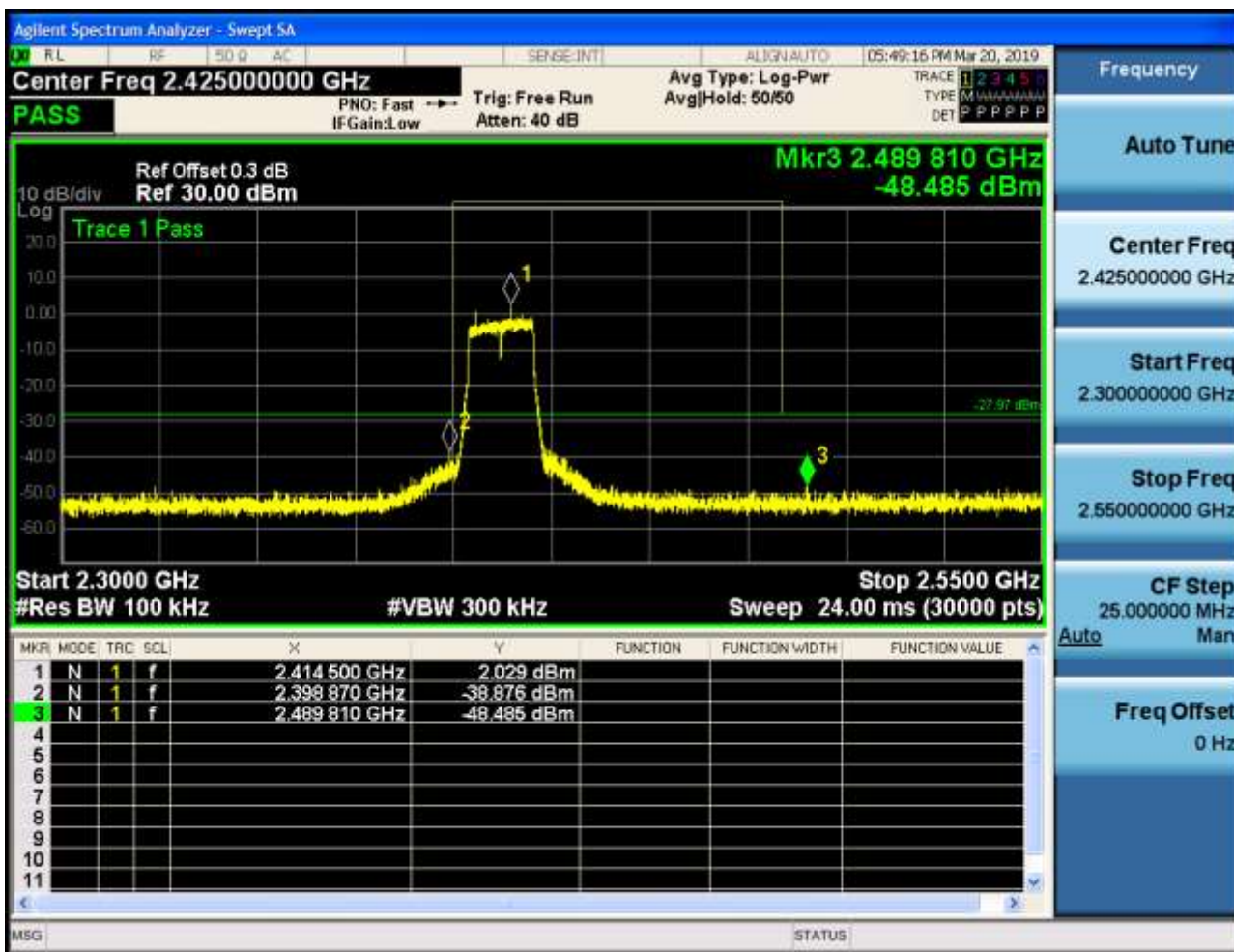


1.2 11B\_Ant1\_2462

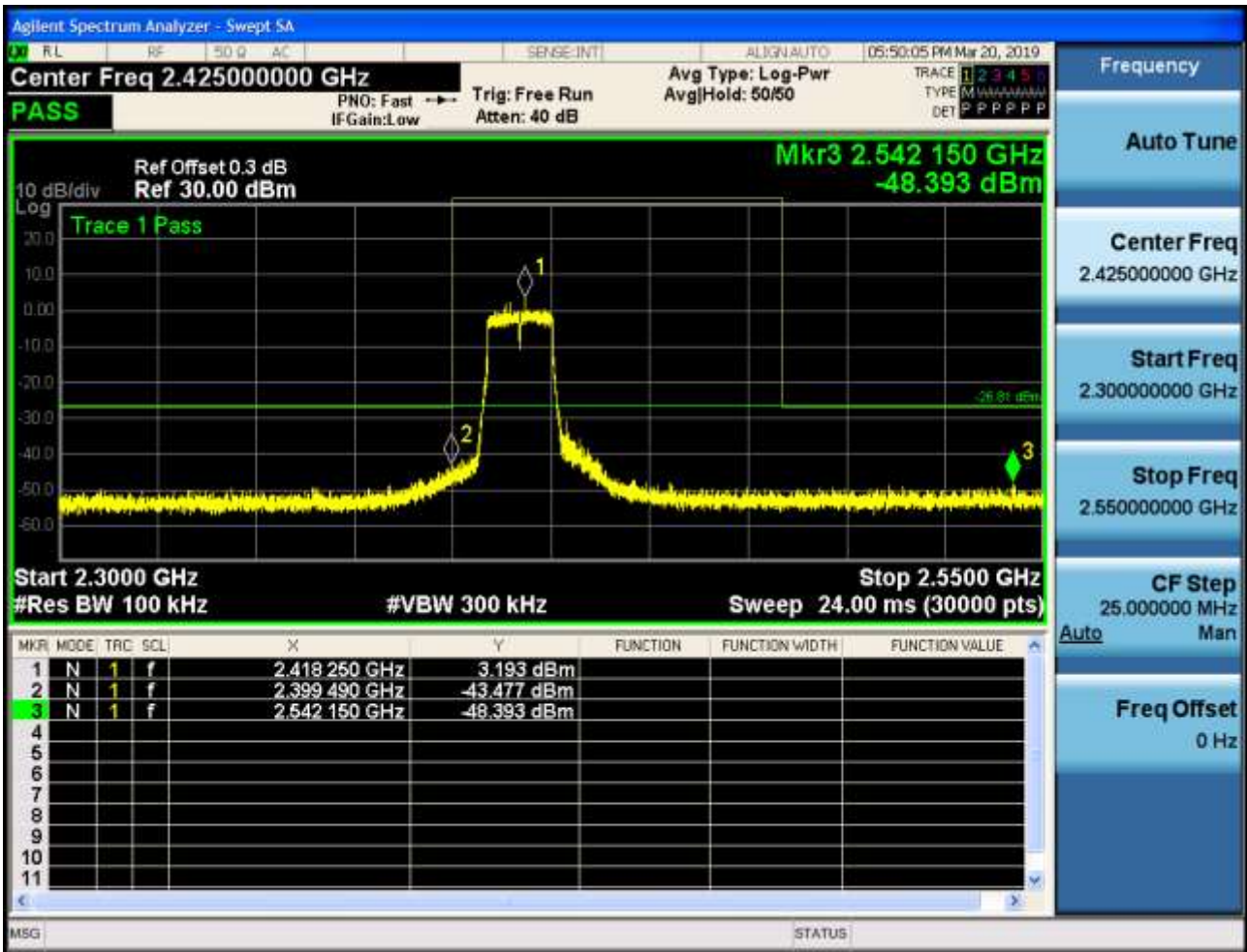




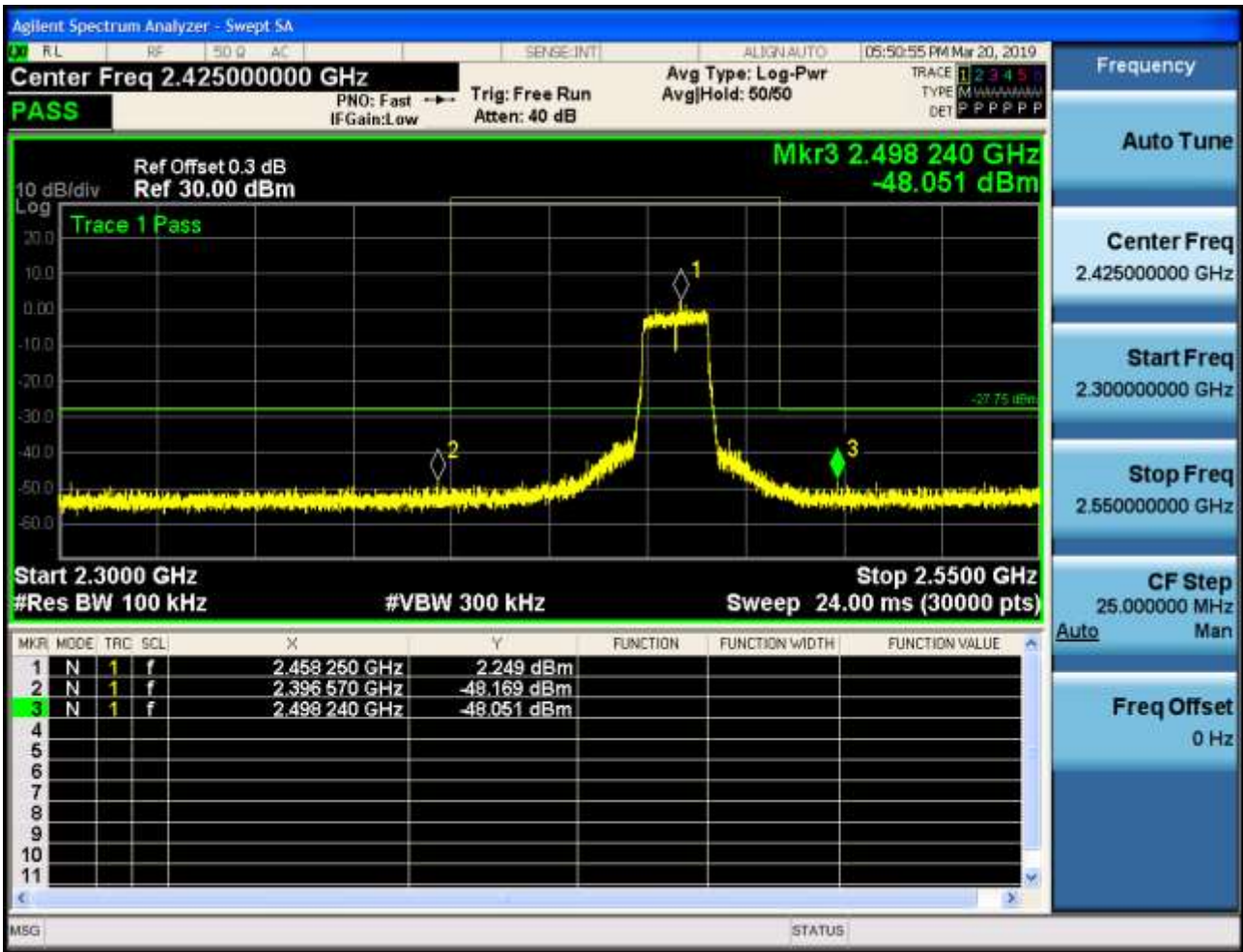
1.3 11G\_Ant1\_2412



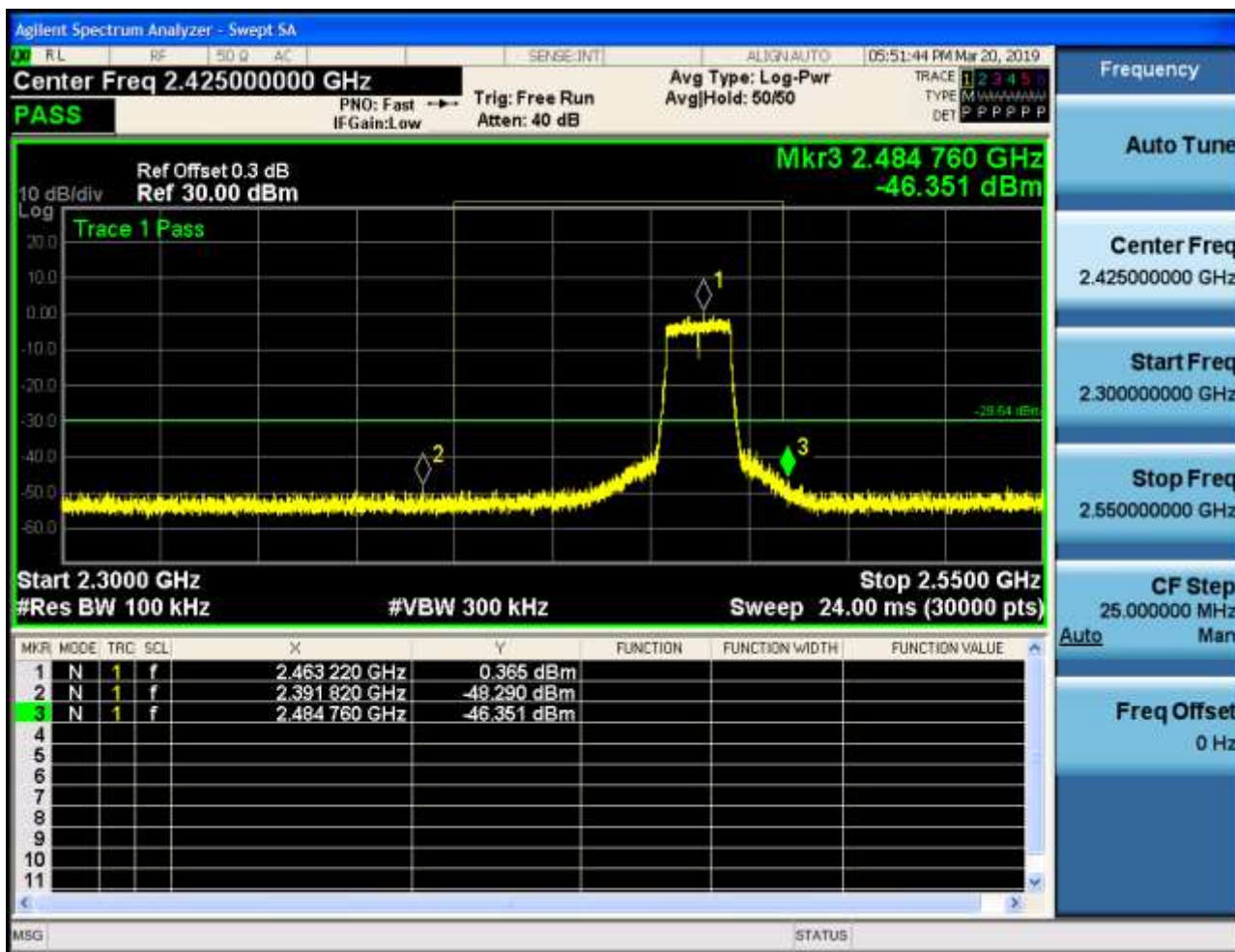
1.4 11G\_Ant1\_2417



1.5 11G\_Ant1\_2457

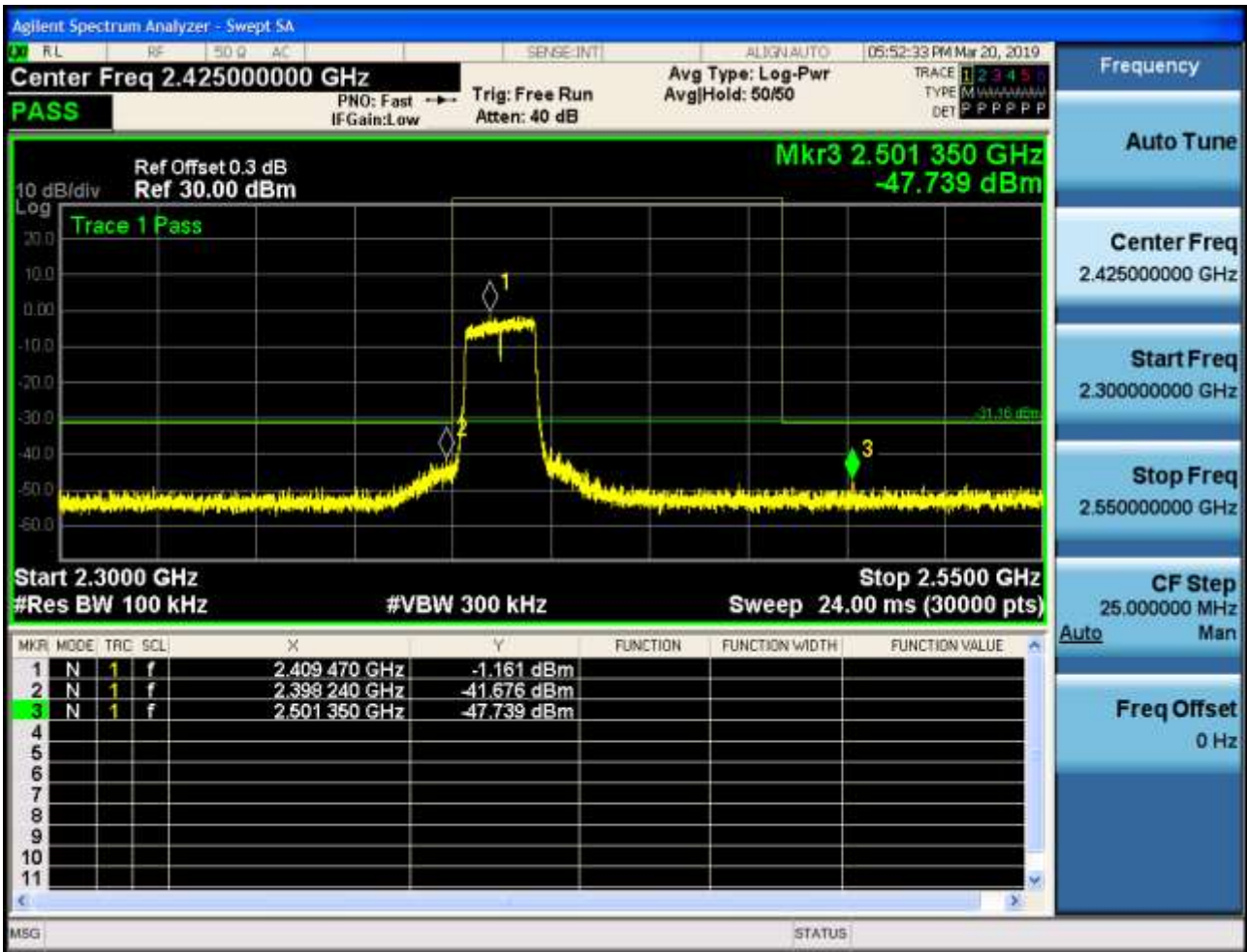


1.6 11G\_Ant1\_2462

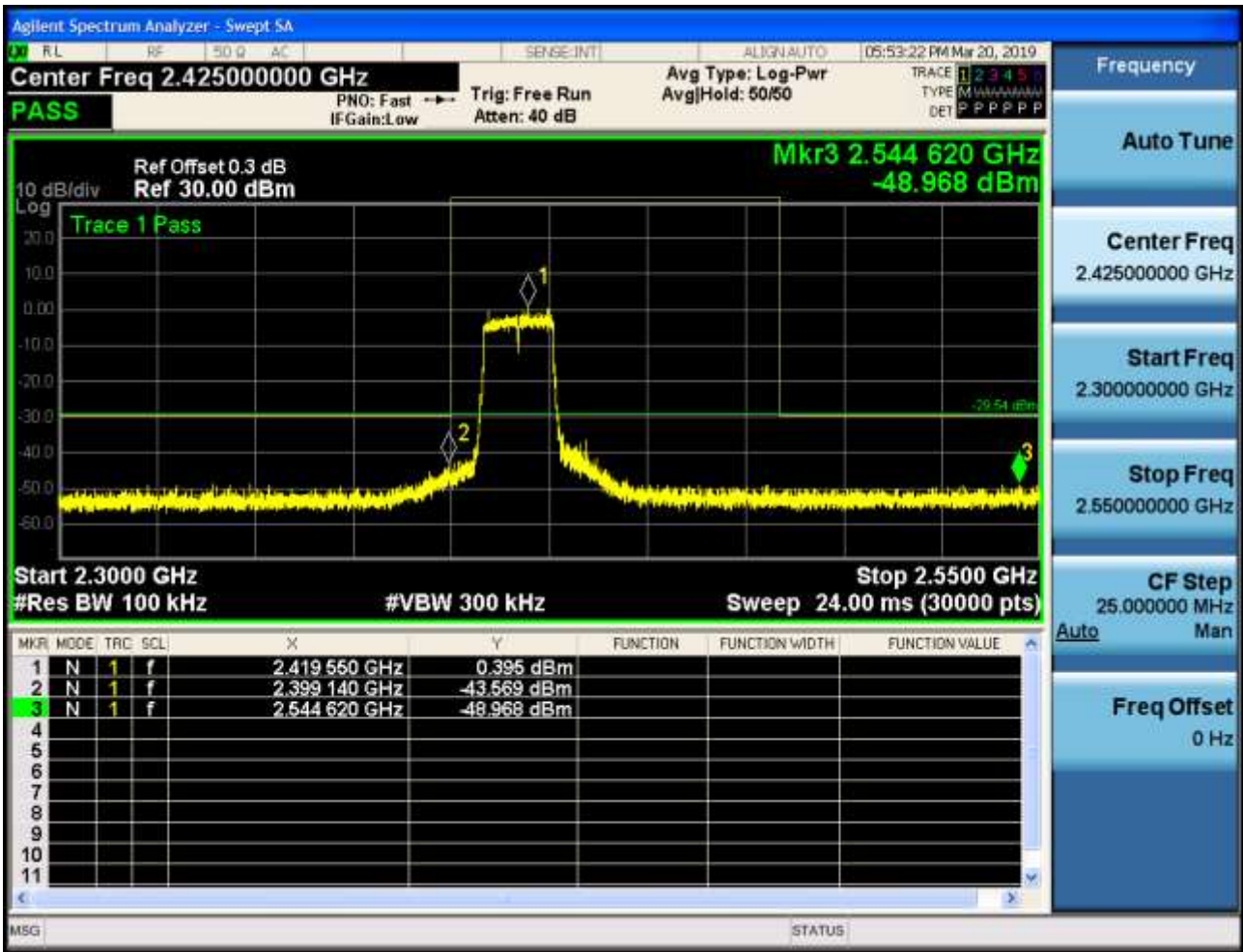




1.7 11N20SISO\_Ant1\_2412

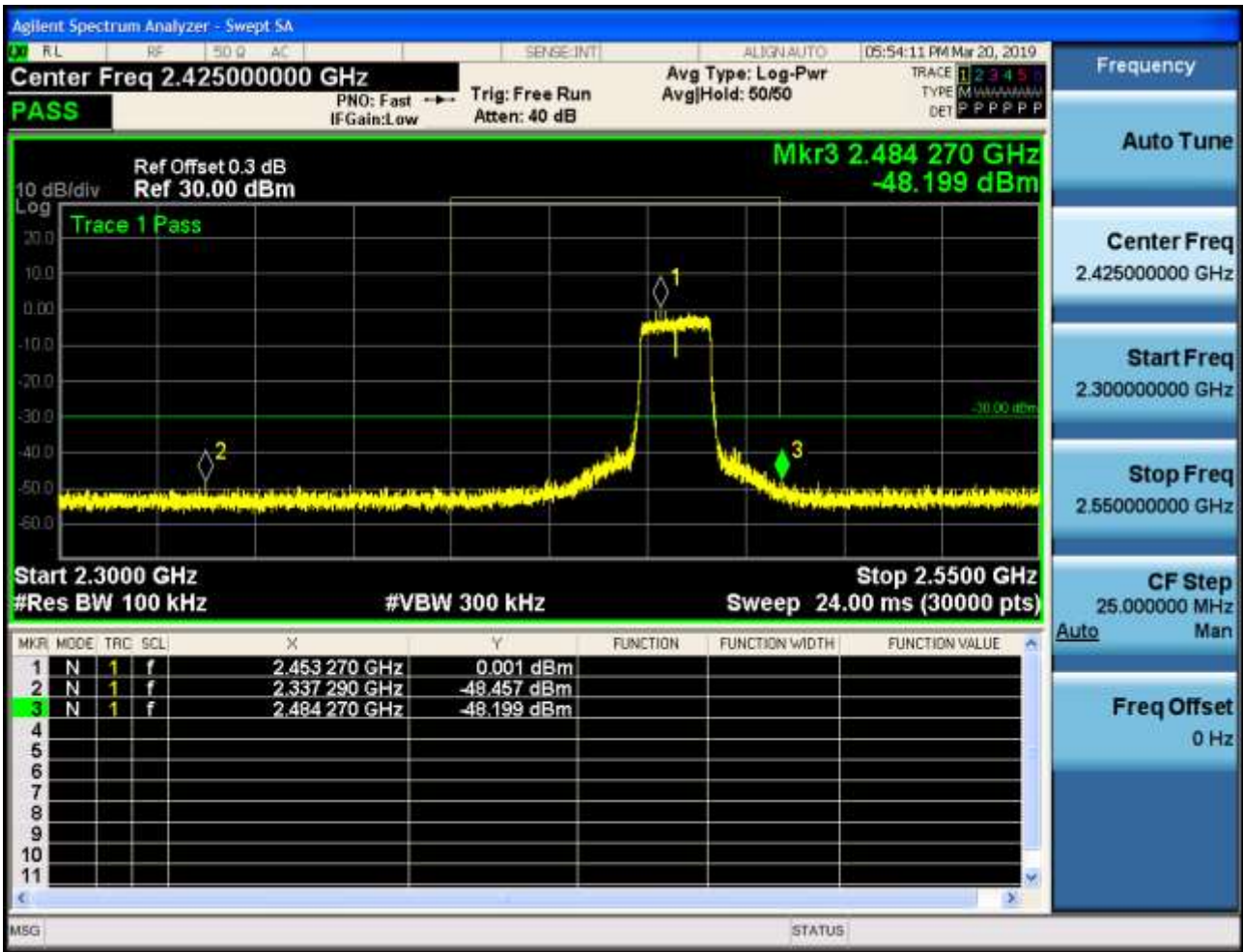


1.8 11N20SISO\_Ant1\_2417

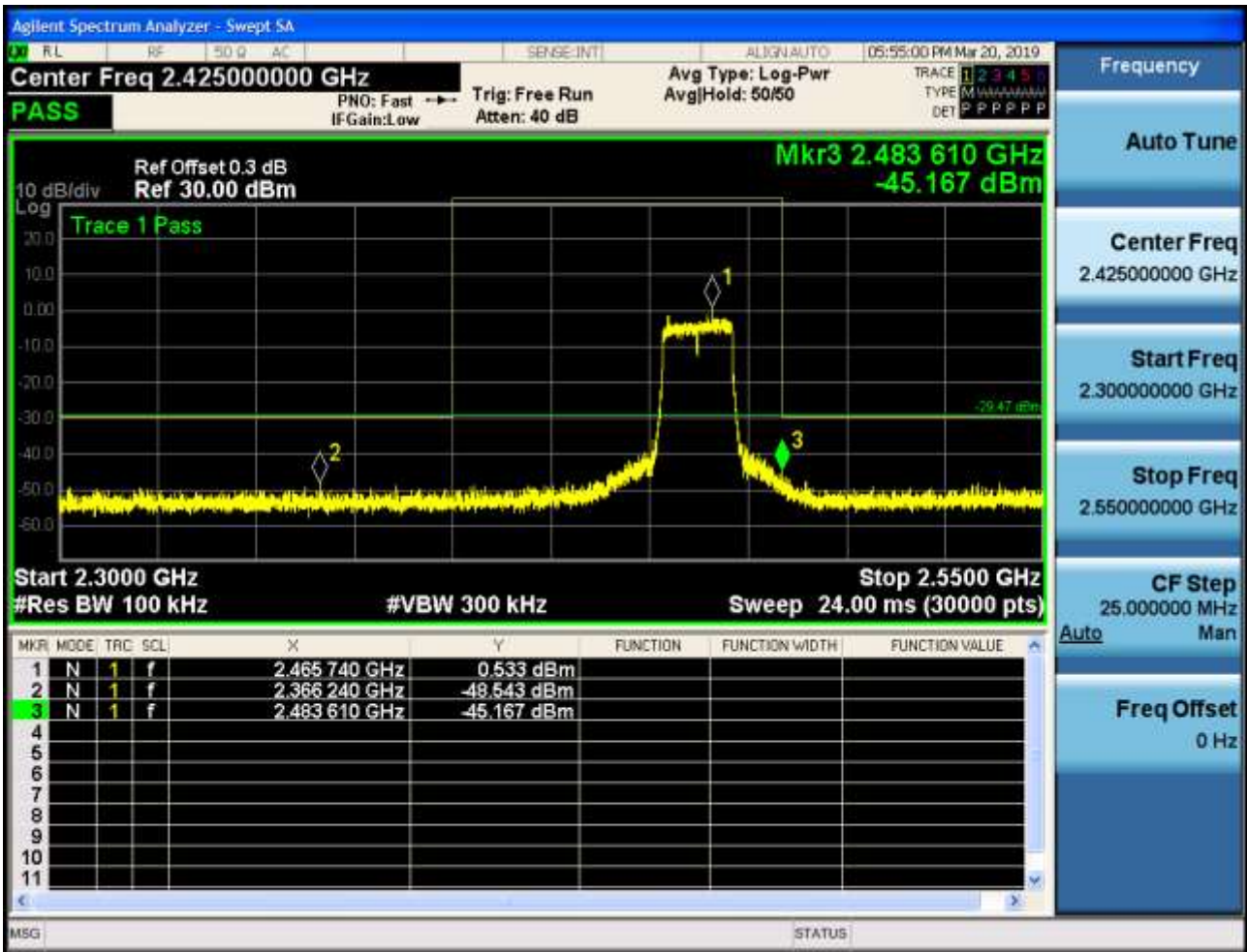




1.9 11N20SISO\_Ant1\_2457



1.10 11N20SISO\_Ant1\_2462



1.11 11N40SISO\_Ant1\_2422

