



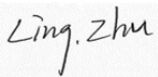

## Appendix C

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Remote control

Test Model: RM-RX1

#### Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Ling Zhu
Supervised by:	 Li Huan



## C.1 DTS Bandwidth

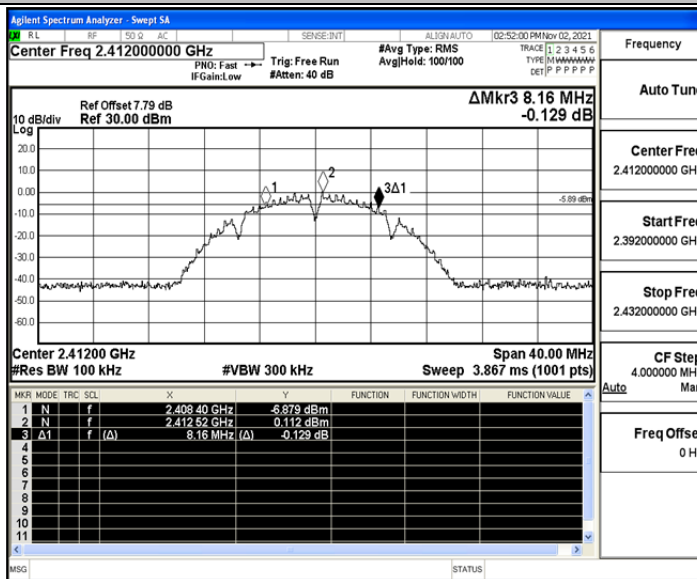
### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.160	2408.400	2416.560	0.5	PASS
		2437	8.120	2431.960	2440.080	0.5	PASS
		2462	7.600	2458.480	2466.080	0.5	PASS
11G	Ant1	2412	16.560	2403.720	2420.280	0.5	PASS
		2437	13.280	2428.800	2442.080	0.5	PASS
		2462	13.280	2456.920	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.840	2403.120	2420.960	0.5	PASS
		2437	15.320	2428.200	2443.520	0.5	PASS
		2462	12.960	2457.560	2470.520	0.5	PASS
11N40SISO	Ant1	2422	23.440	2416.560	2440.000	0.5	PASS
		2437	18.480	2425.640	2444.120	0.5	PASS
		2452	36.560	2433.680	2470.240	0.5	PASS

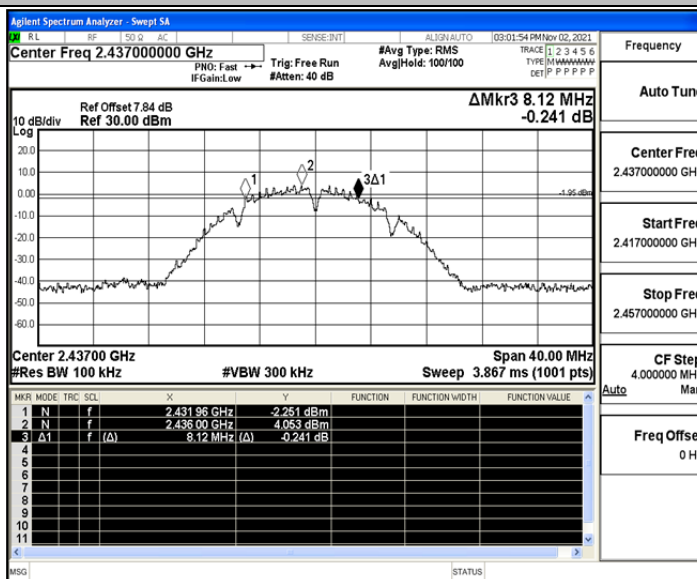


### Test Graphs

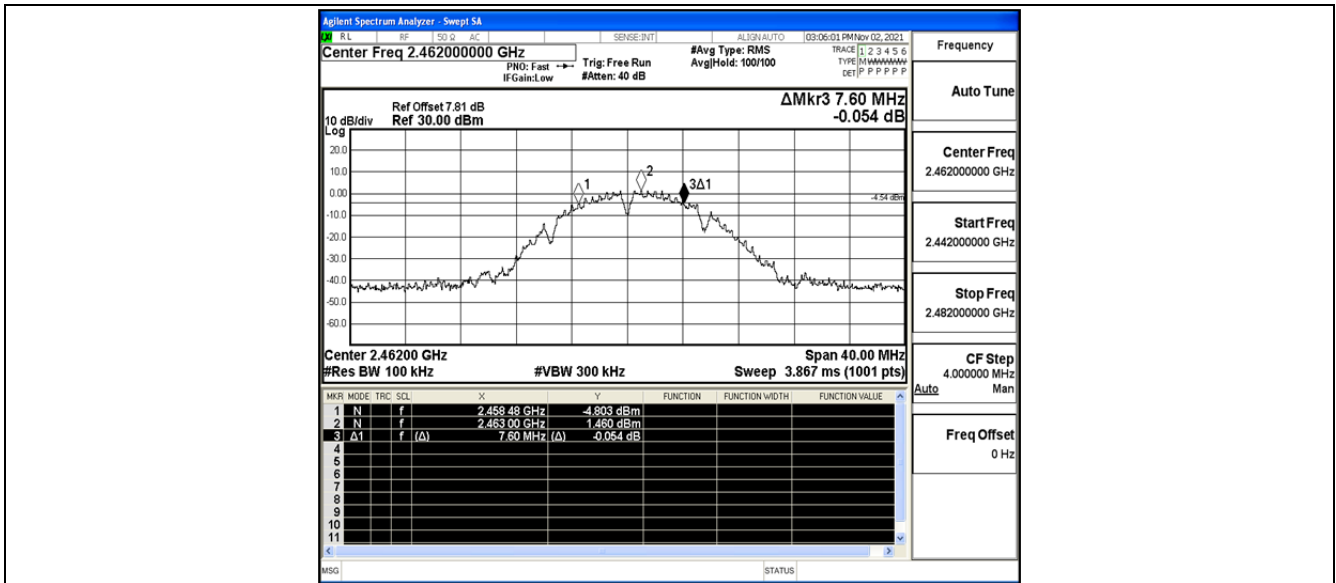
11B\_Ant1\_2412



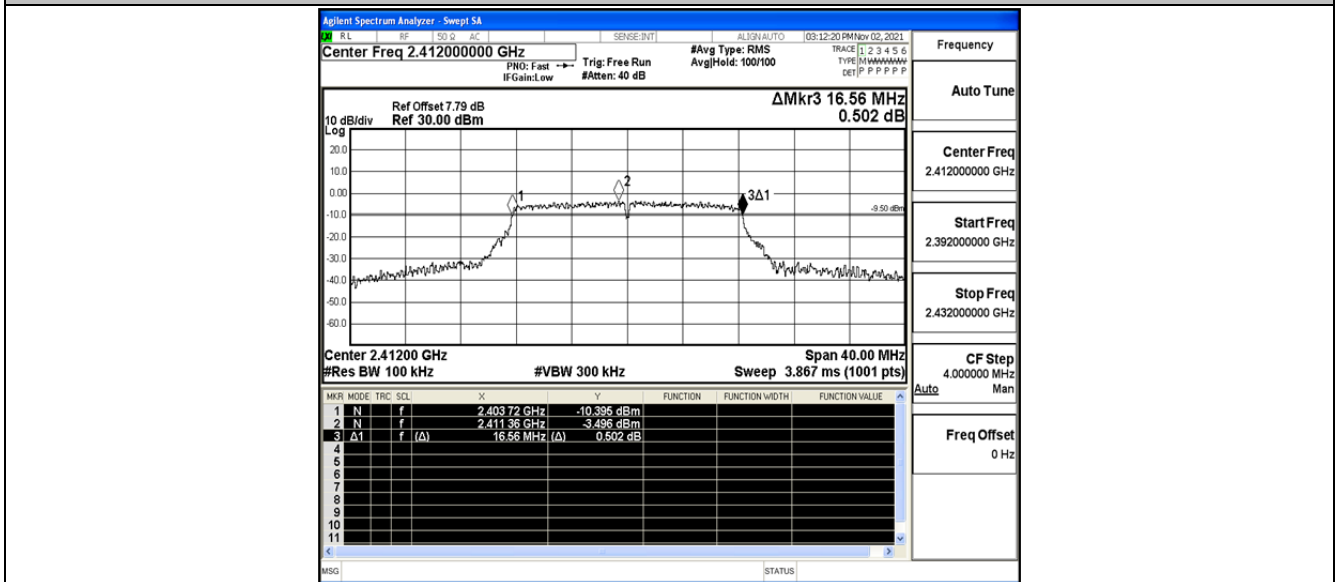
11B\_Ant1\_2437



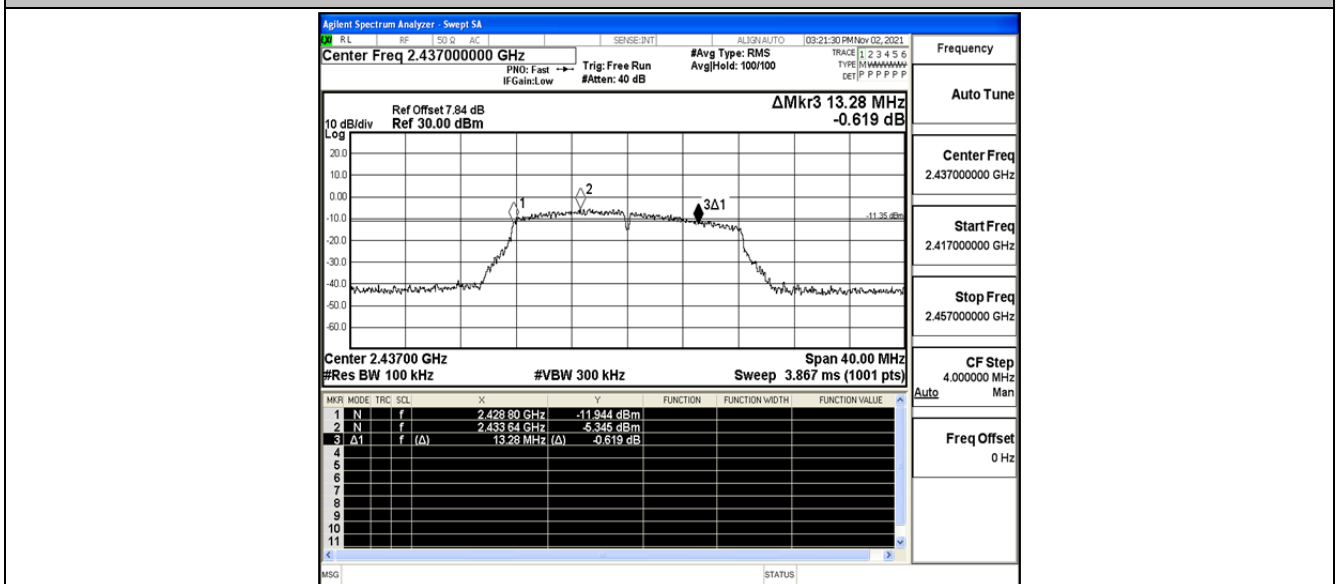
11B\_Ant1\_2462



11G\_Ant1\_2412

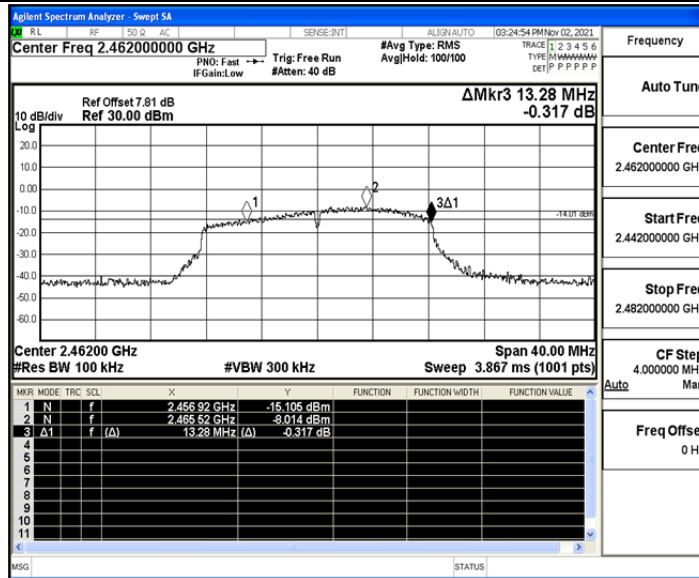


11G\_Ant1\_2437

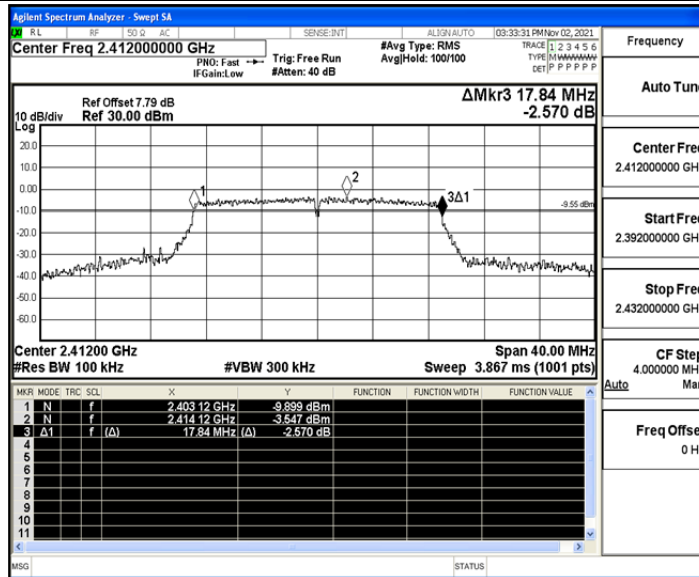




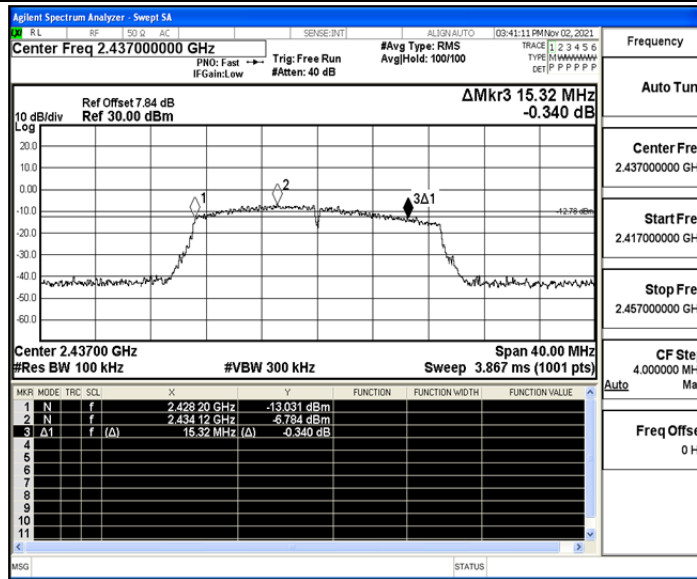
### 11G\_Ant1\_2462



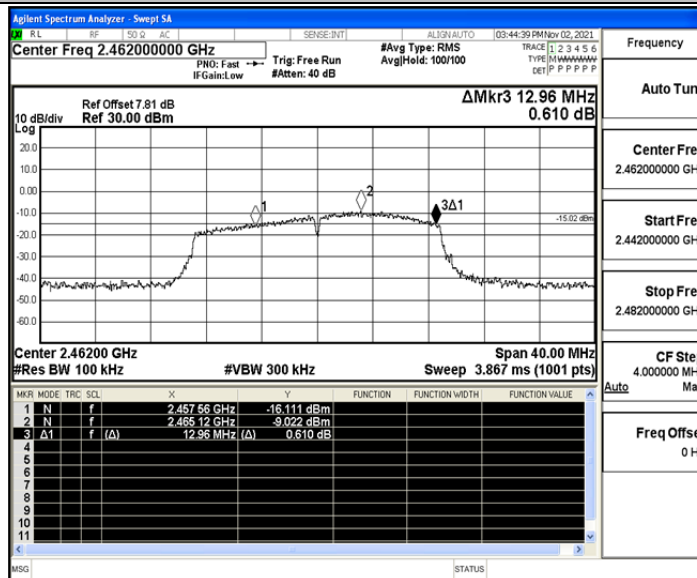
### 11N20SISO\_Ant1\_2412



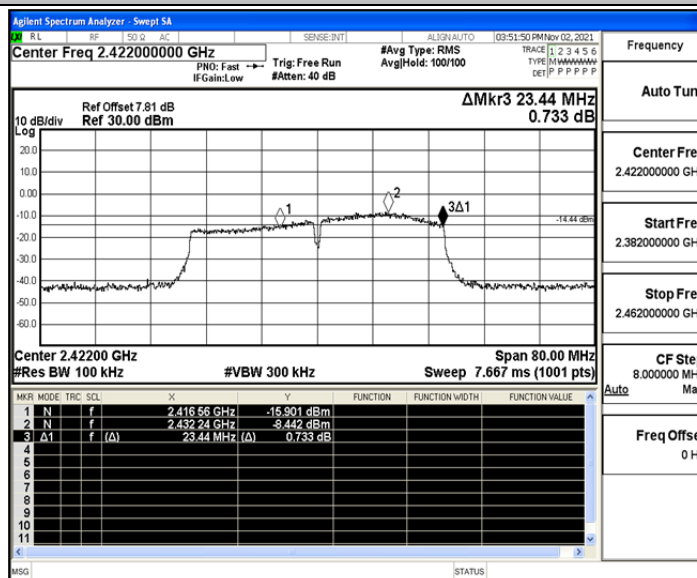
### 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

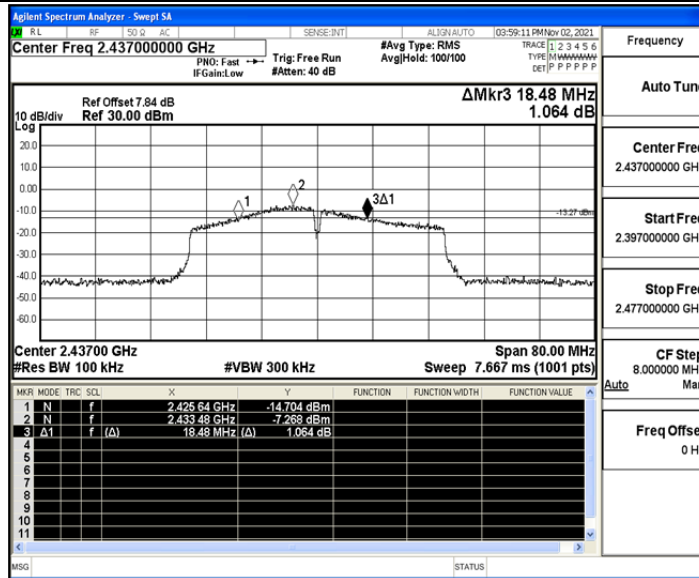


11N40SISO\_Ant1\_2422

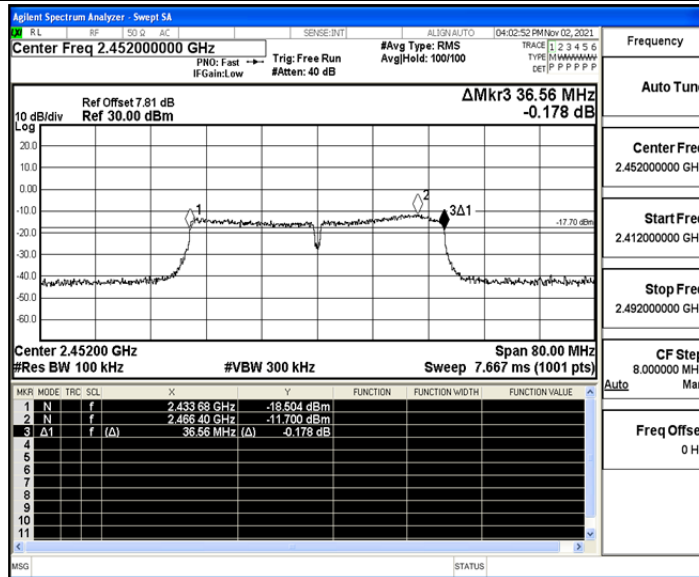




11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452





## C.2 Maximum peak conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.45	≤30	PASS
		2437	16.08	≤30	PASS
		2462	13.35	≤30	PASS
11G	Ant1	2412	18.00	≤30	PASS
		2437	18.11	≤30	PASS
		2462	15.13	≤30	PASS
11N20SISO	Ant1	2412	17.92	≤30	PASS
		2437	17.76	≤30	PASS
		2462	14.81	≤30	PASS
11N40SISO	Ant1	2422	20.90	≤30	PASS
		2437	17.63	≤30	PASS
		2452	18.39	≤30	PASS





### C.3 Maximum power spectral density

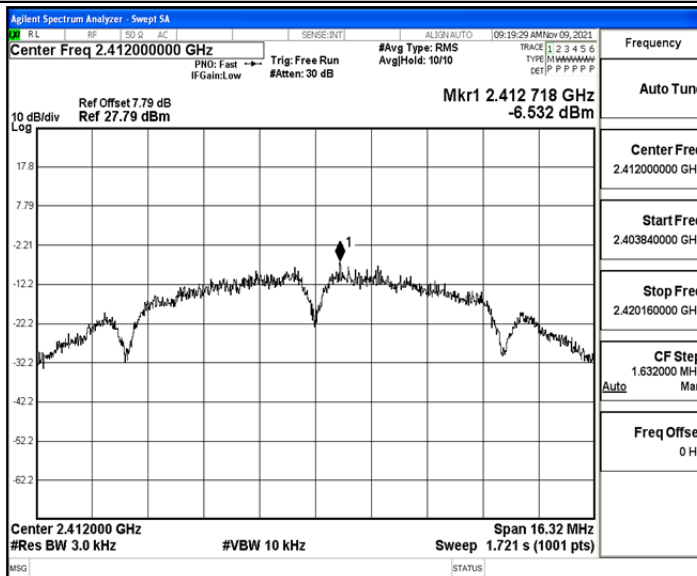
#### Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.53	≤8	PASS
		2437	-9.77	≤8	PASS
		2462	-11.18	≤8	PASS
11G	Ant1	2412	-14.07	≤8	PASS
		2437	-13.04	≤8	PASS
		2462	-15.15	≤8	PASS
11N20SISO	Ant1	2412	-14.62	≤8	PASS
		2437	-13.77	≤8	PASS
		2462	-15.11	≤8	PASS
11N40SISO	Ant1	2422	-10.69	≤8	PASS
		2437	-15.21	≤8	PASS
		2452	-15.16	≤8	PASS

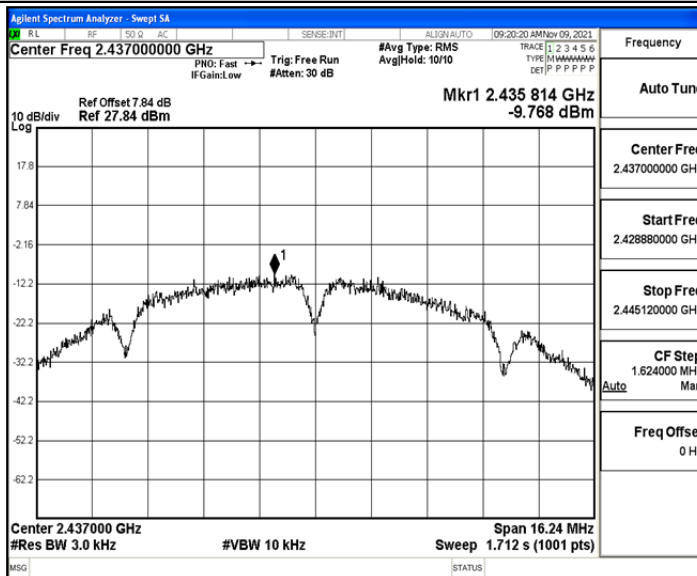


### Test Graphs

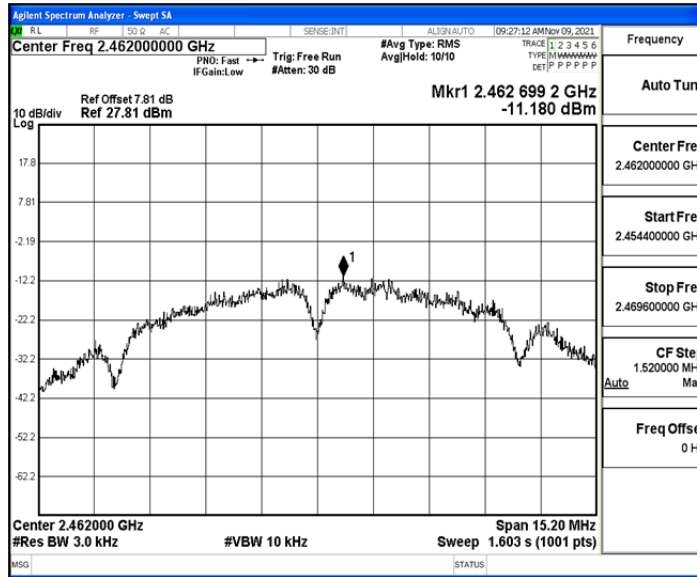
11B\_Ant1\_2412



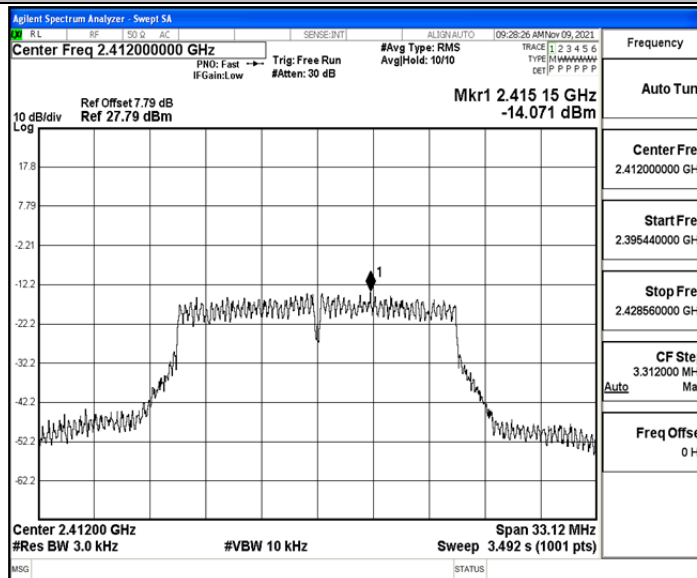
11B\_Ant1\_2437



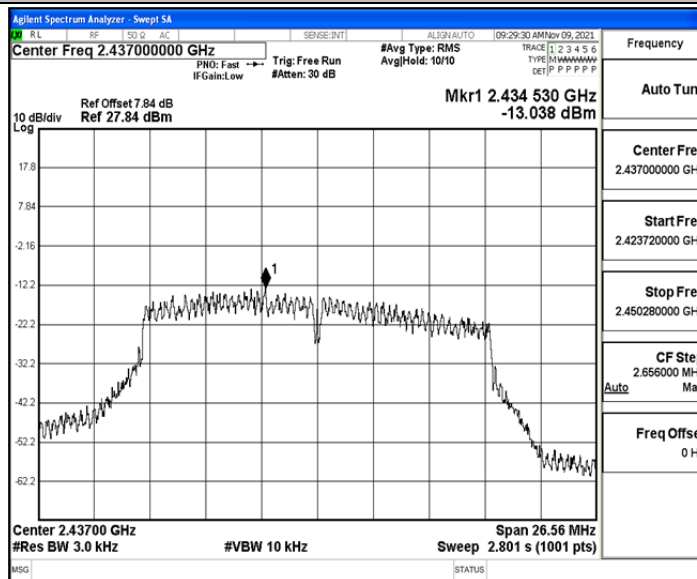
11B\_Ant1\_2462



11G\_Ant1\_2412

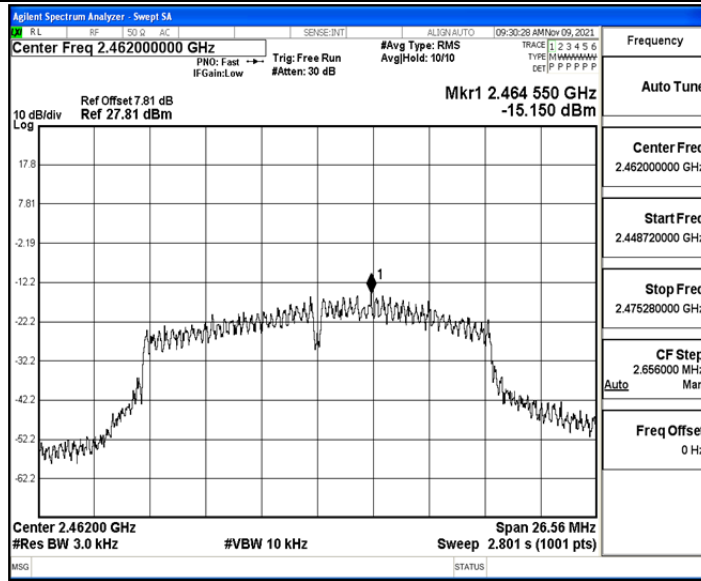


11G\_Ant1\_2437

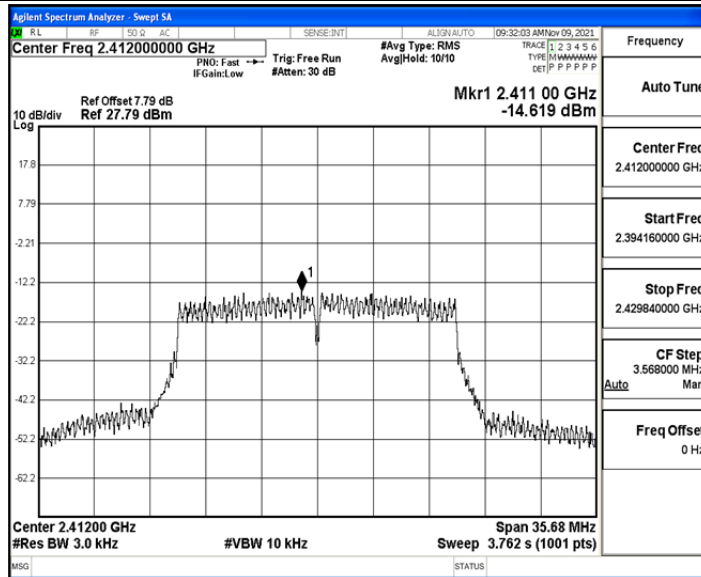




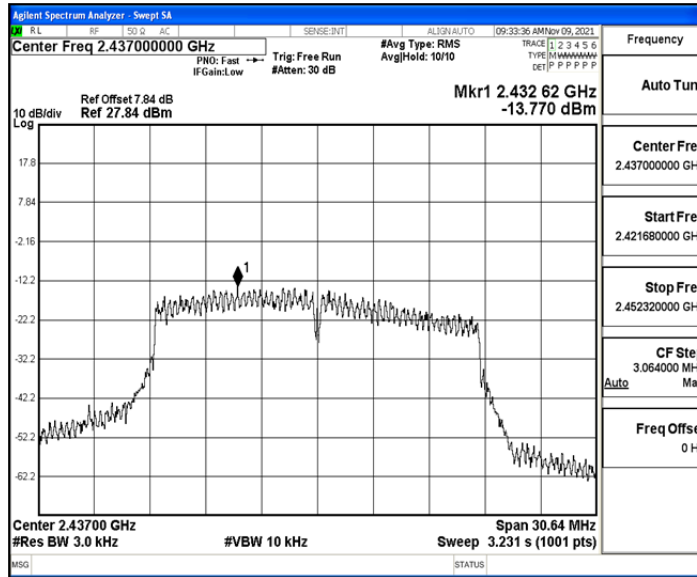
### 11G\_Ant1\_2462



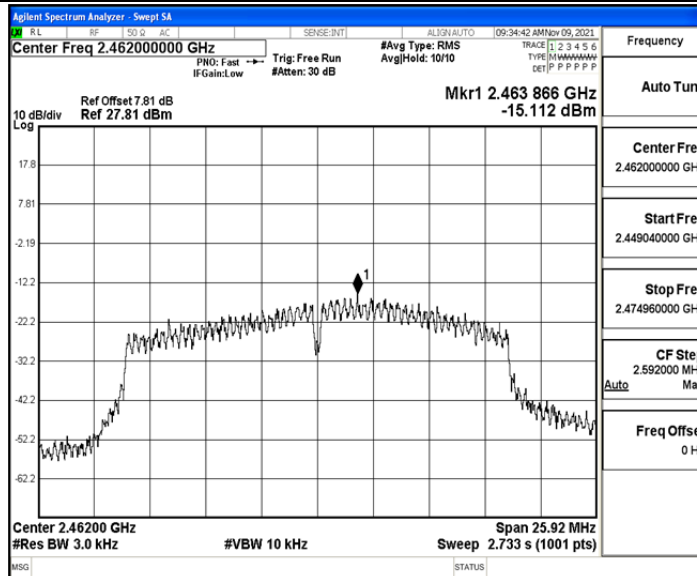
### 11N20SISO\_Ant1\_2412



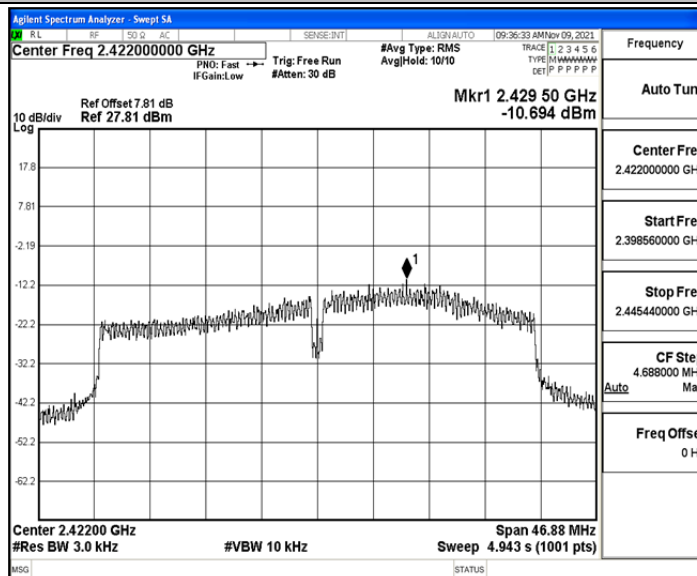
### 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

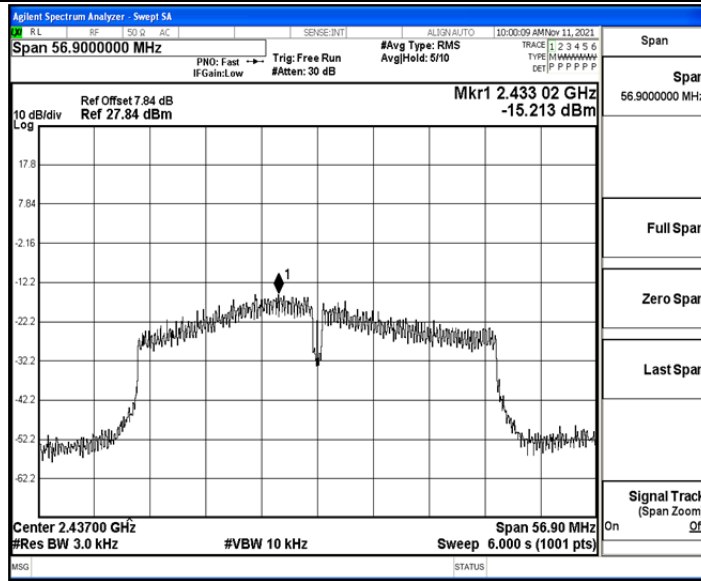


11N40SISO\_Ant1\_2422

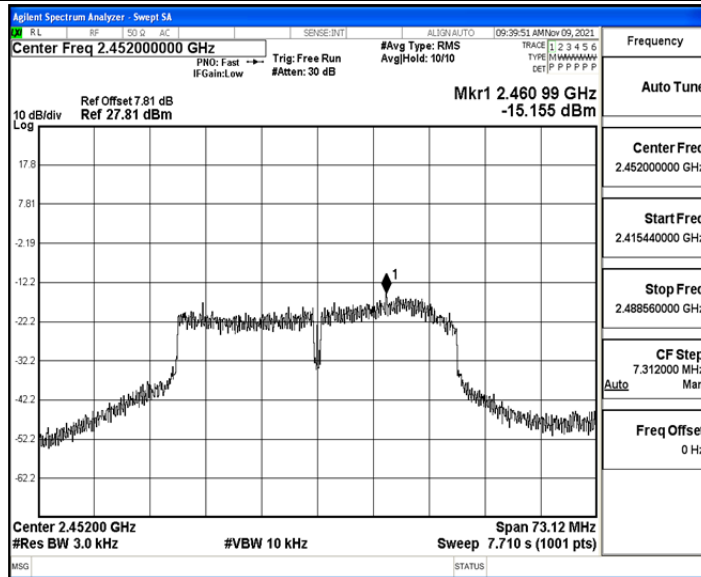




### 11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452





## C.4 Band edge measurements

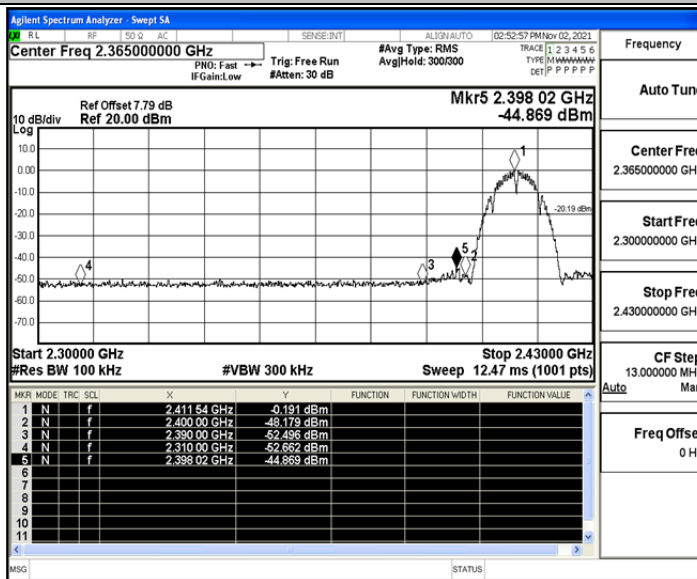
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.19	-44.87	≤-20.19	PASS
		High	2462	2.76	-39.62	≤-17.24	PASS
11G	Ant1	Low	2412	-6.68	-40.84	≤-26.68	PASS
		High	2462	-5.60	-39.84	≤-25.6	PASS
11N20SISO	Ant1	Low	2412	-6.88	-38.59	≤-26.88	PASS
		High	2462	-5.58	-47.46	≤-25.58	PASS
11N40SISO	Ant1	Low	2422	-8.96	-43.57	≤-28.96	PASS
		High	2452	-8.94	-31.46	≤-28.94	PASS

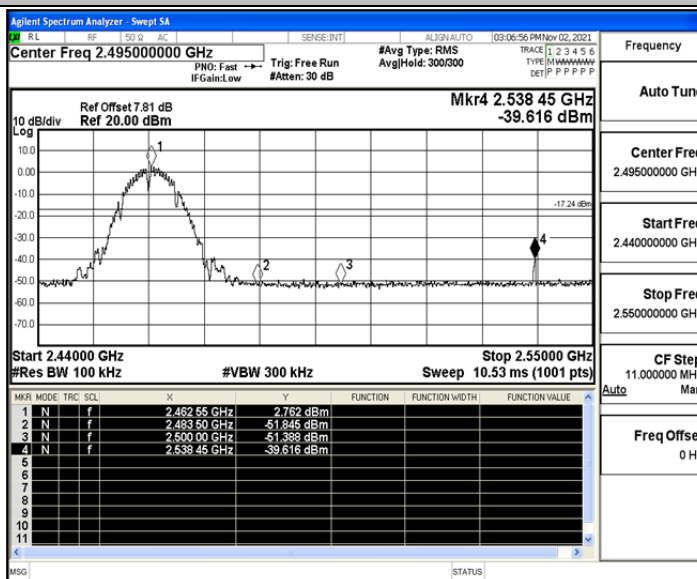


### Test Graphs

11B\_Ant1\_Low\_2412

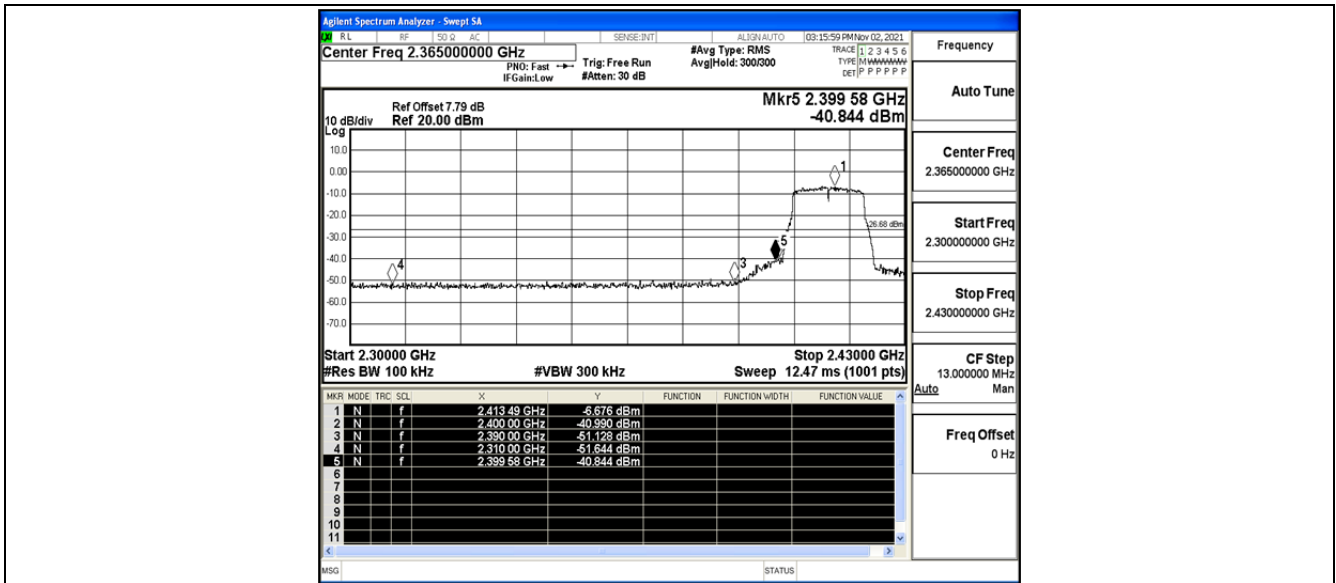


11B\_Ant1\_High\_2462

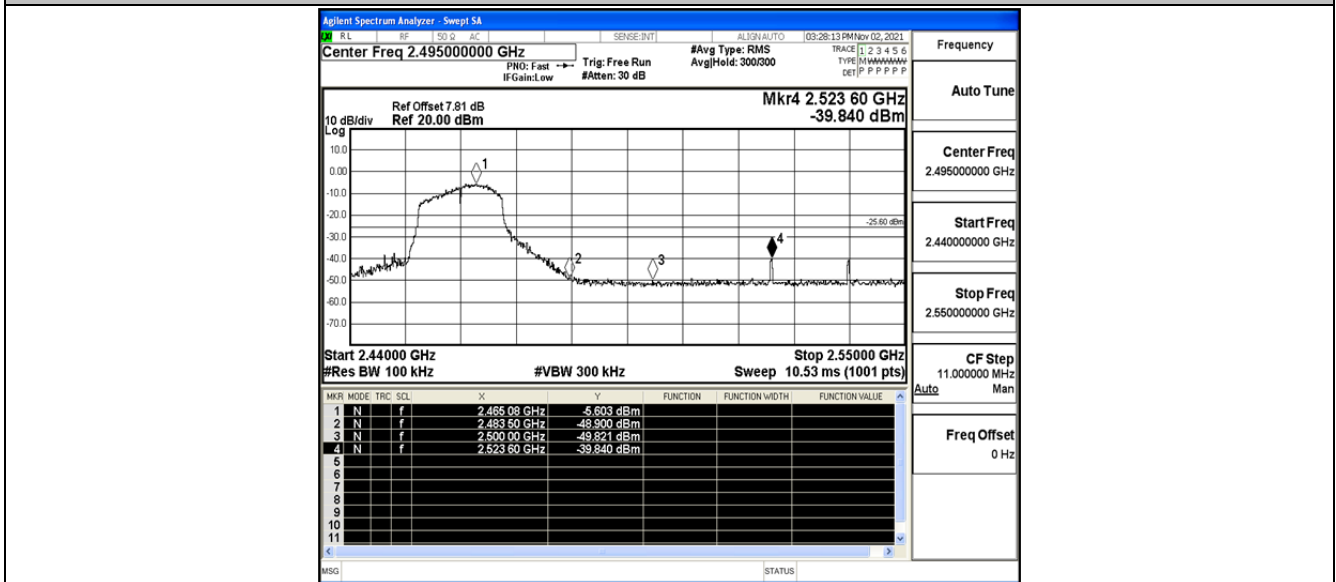


11G\_Ant1\_Low\_2412

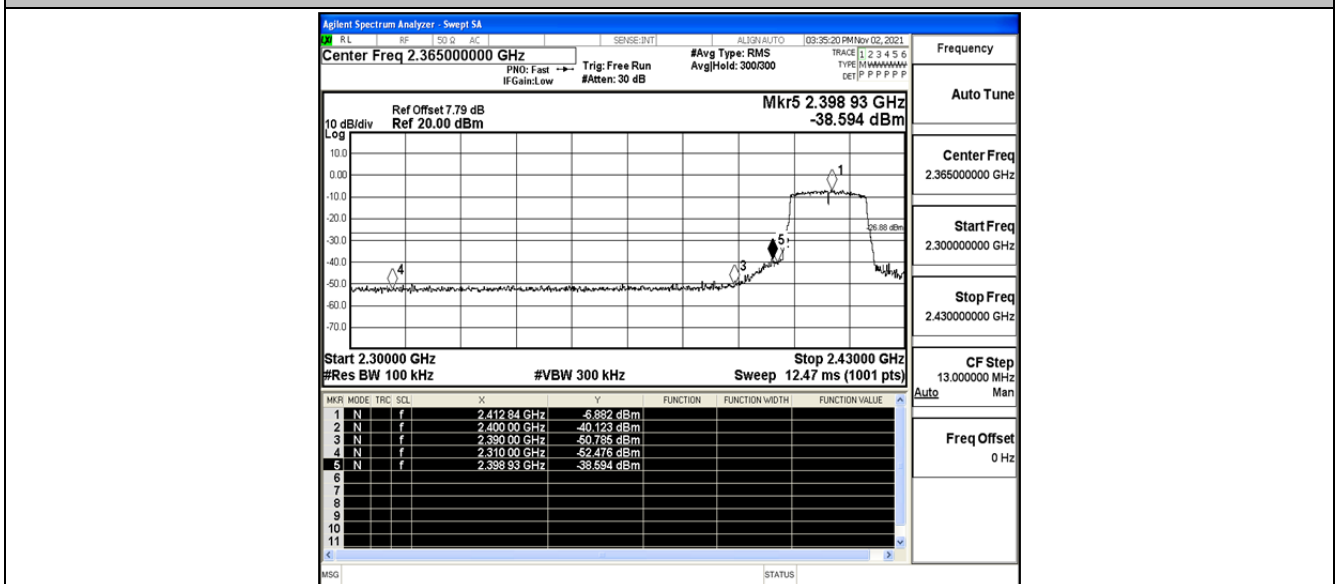




11G\_Ant1\_High\_2462

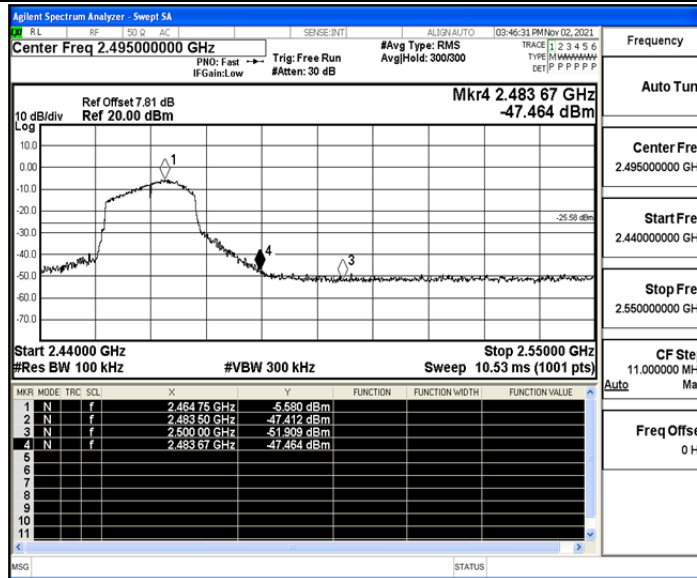


11N20SISO\_Ant1\_Low\_2412

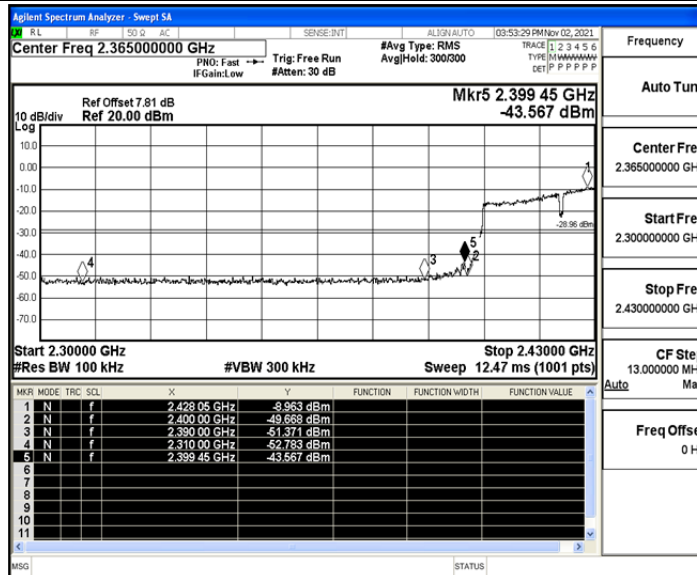




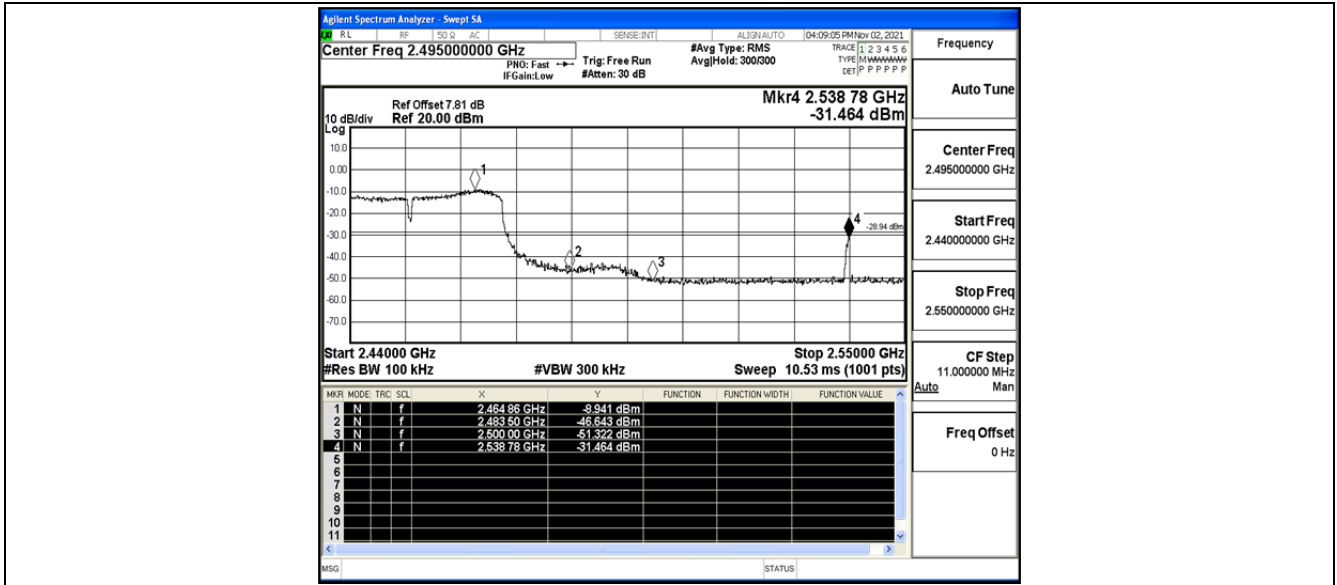
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452





## C.5 Conducted Spurious Emission

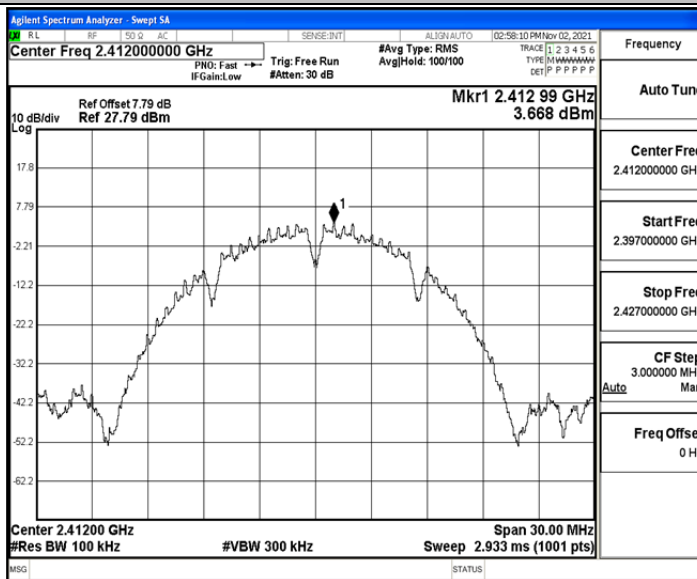
### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-61.7	≤-16.33	PASS
			1000~26500	3.67	-47.55	≤-16.33	PASS
		2437	Reference	4.37	4.37	---	PASS
			30~1000	4.37	-61.51	≤-15.63	PASS
			1000~26500	4.37	-47.39	≤-15.63	PASS
		2462	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-62.09	≤-17.35	PASS
			1000~26500	2.65	-47.15	≤-17.35	PASS
11G	Ant1	2412	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-62.05	≤-27.24	PASS
			1000~26500	-7.24	-46.72	≤-27.24	PASS
		2437	Reference	-5.76	-5.76	---	PASS
			30~1000	-5.76	-62.09	≤-25.76	PASS
			1000~26500	-5.76	-47.01	≤-25.76	PASS
		2462	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-61.78	≤-25.45	PASS
			1000~26500	-5.45	-45.08	≤-25.45	PASS
11N20SISO	Ant1	2412	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-60.89	≤-26.65	PASS
			1000~26500	-6.65	-46.47	≤-26.65	PASS
		2437	Reference	-7.07	-7.07	---	PASS
			30~1000	-7.07	-61.81	≤-27.07	PASS
			1000~26500	-7.07	-46.85	≤-27.07	PASS
		2462	Reference	-6.21	-6.21	---	PASS
			30~1000	-6.21	-60.55	≤-26.21	PASS
			1000~26500	-6.21	-47.55	≤-26.21	PASS
11N40SISO	Ant1	2422	Reference	-8.51	-8.51	---	PASS
			30~1000	-8.51	-61.15	≤-28.51	PASS
			1000~26500	-8.51	-46.46	≤-28.51	PASS
		2437	Reference	-8.04	-8.04	---	PASS
			30~1000	-8.04	-61.52	≤-28.04	PASS
			1000~26500	-8.04	-47.29	≤-28.04	PASS
		2452	Reference	-8.86	-8.86	---	PASS
			30~1000	-8.86	-60.43	≤-28.86	PASS
			1000~26500	-8.86	-47.38	≤-28.86	PASS

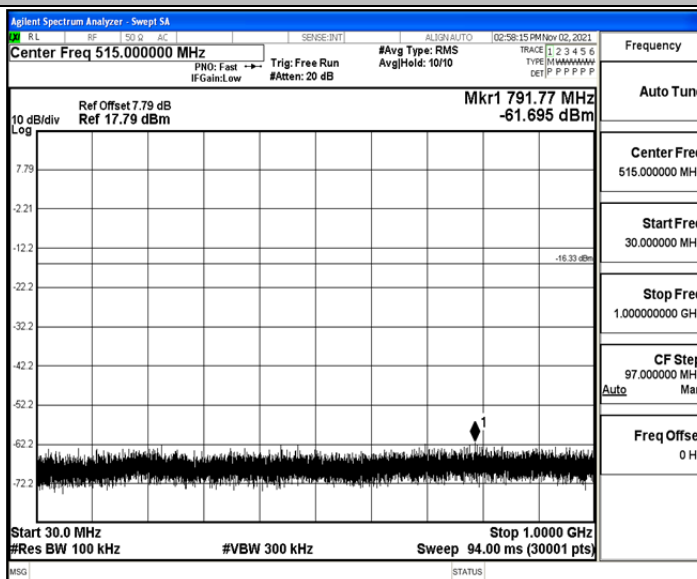


### Test Graphs

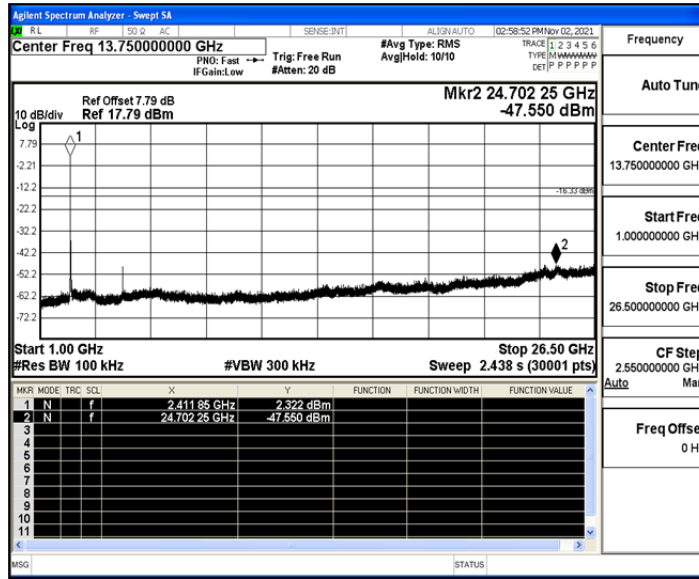
11B\_Ant1\_2412\_0~Reference



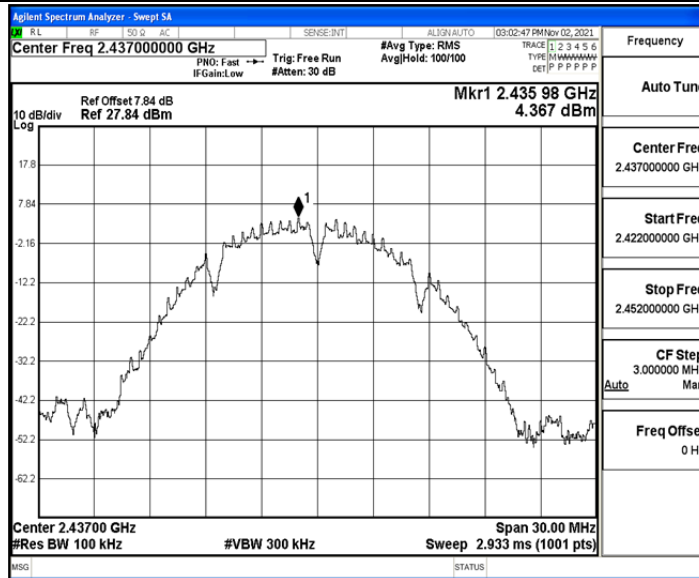
11B\_Ant1\_2412\_30~1000



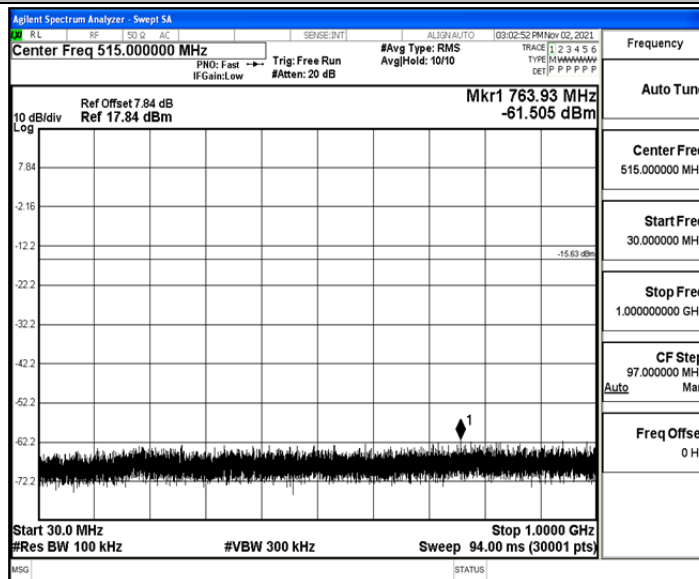
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference

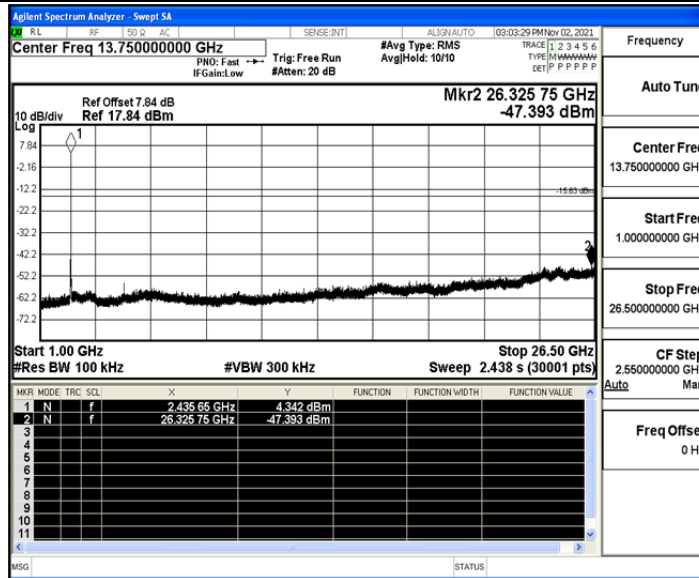


11B\_Ant1\_2437\_30~1000

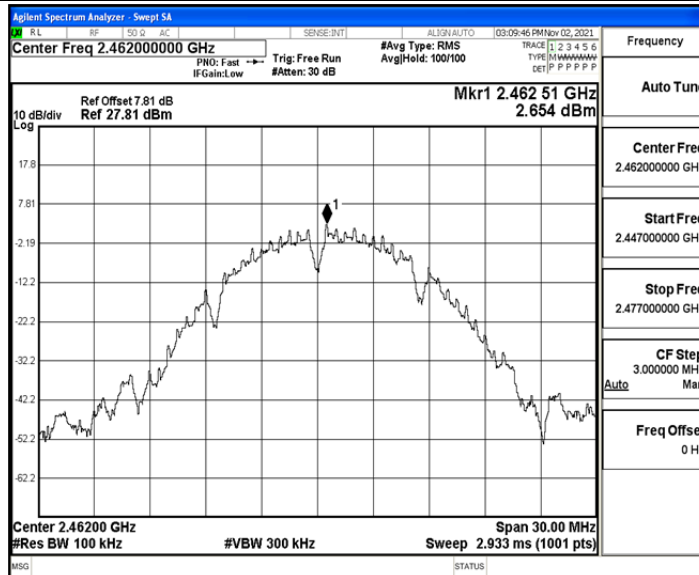




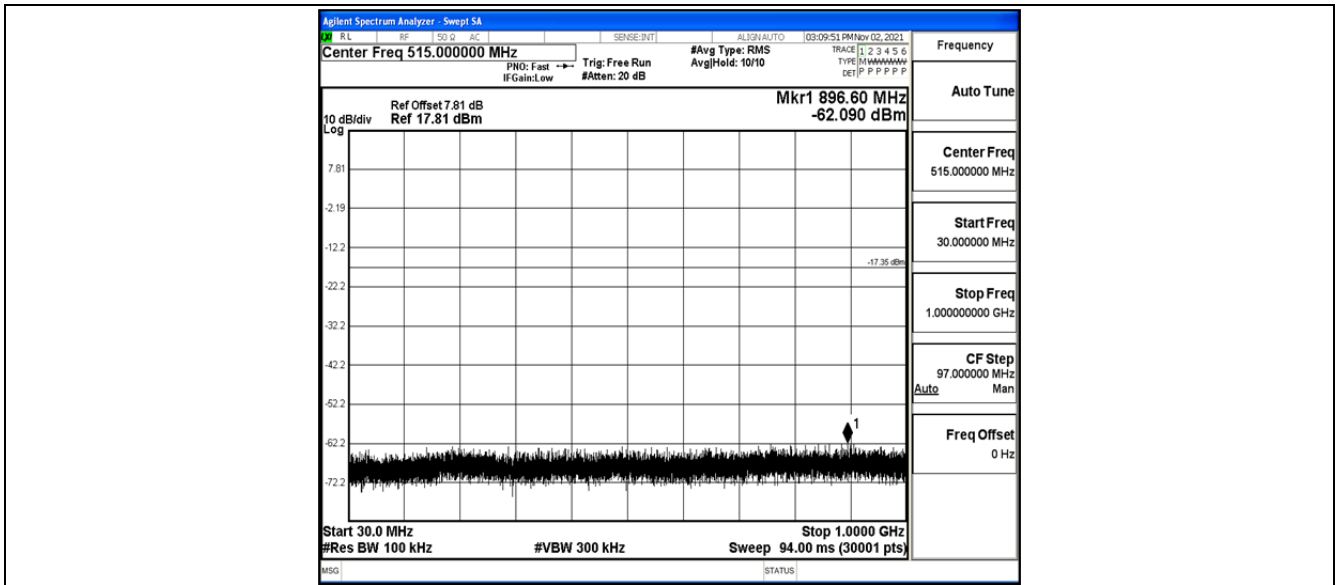
11B\_Ant1\_2437\_1000~26500



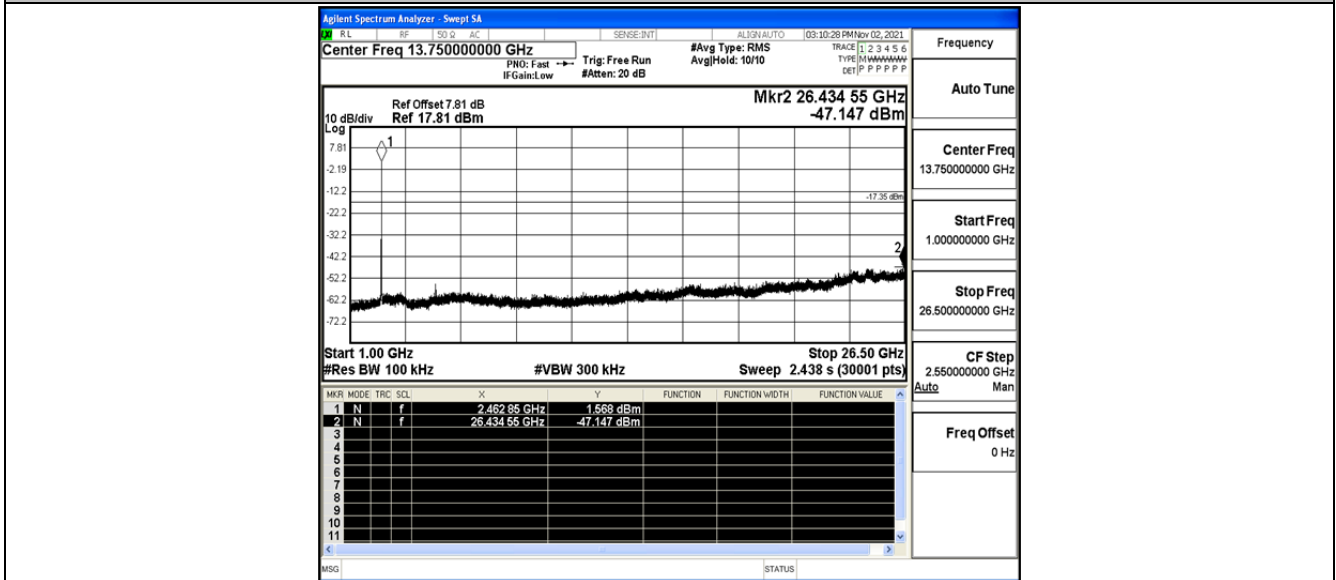
11B\_Ant1\_2462\_0~Reference



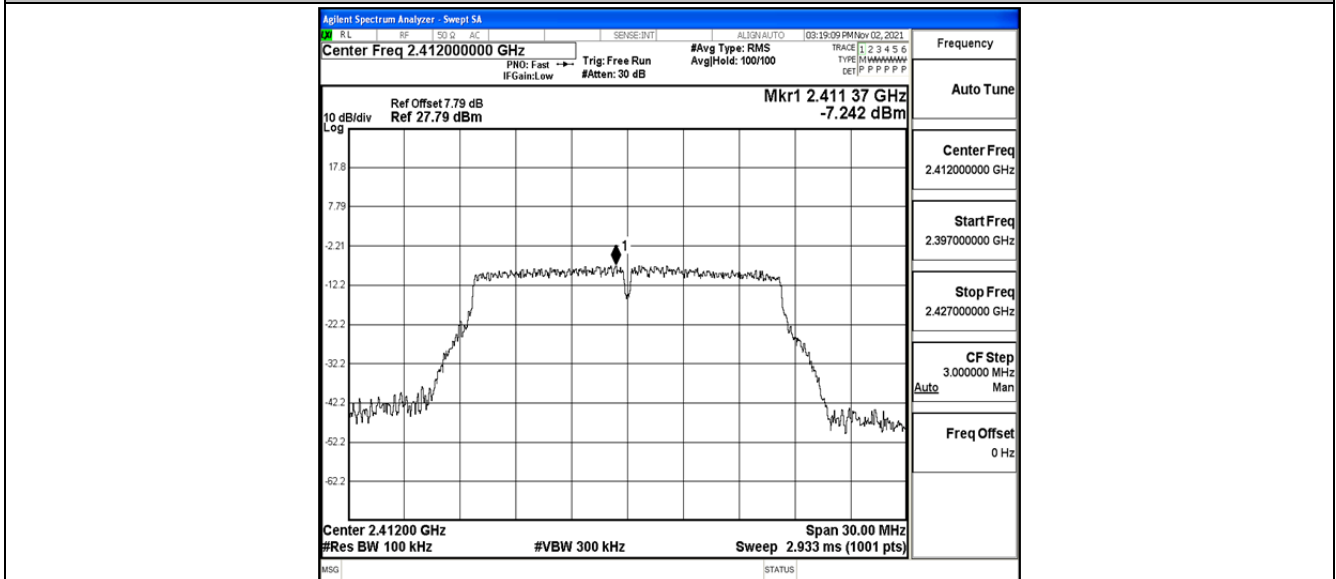
11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500



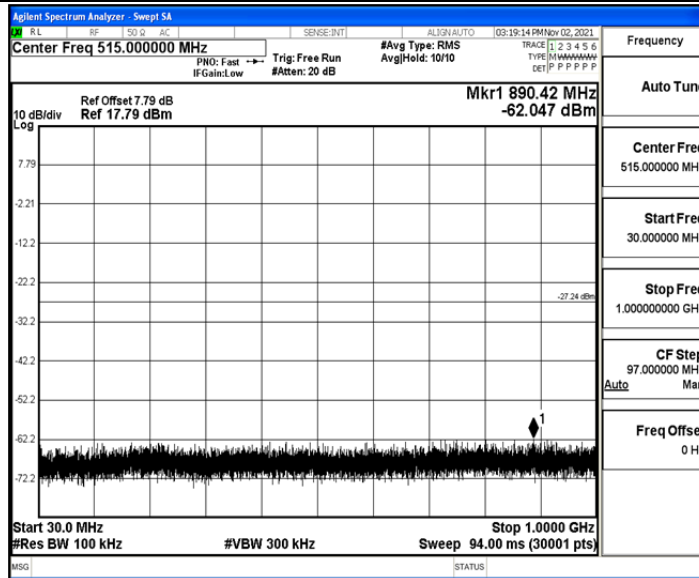
11G\_Ant1\_2412\_0~Reference



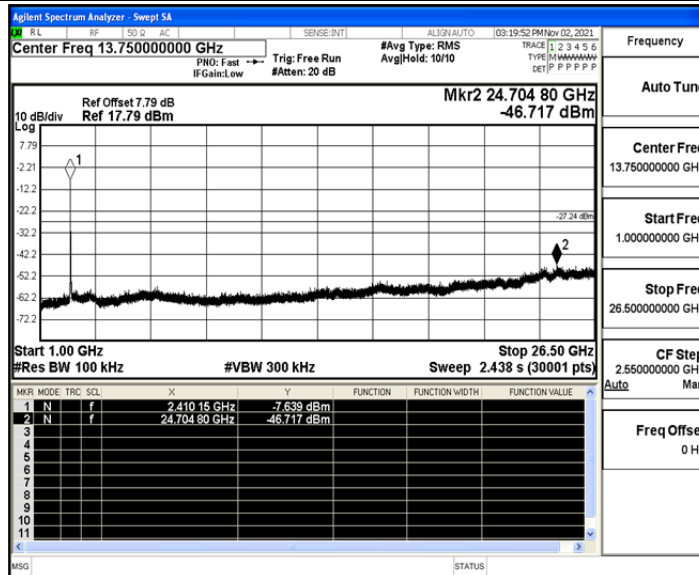




11G\_Ant1\_2412\_30~1000



11G\_Ant1\_2412\_1000~26500



11G\_Ant1\_2437\_0~Reference