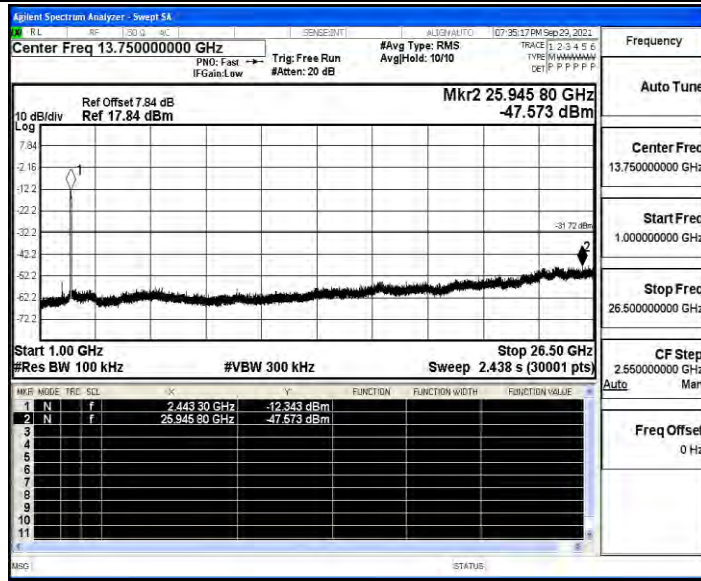
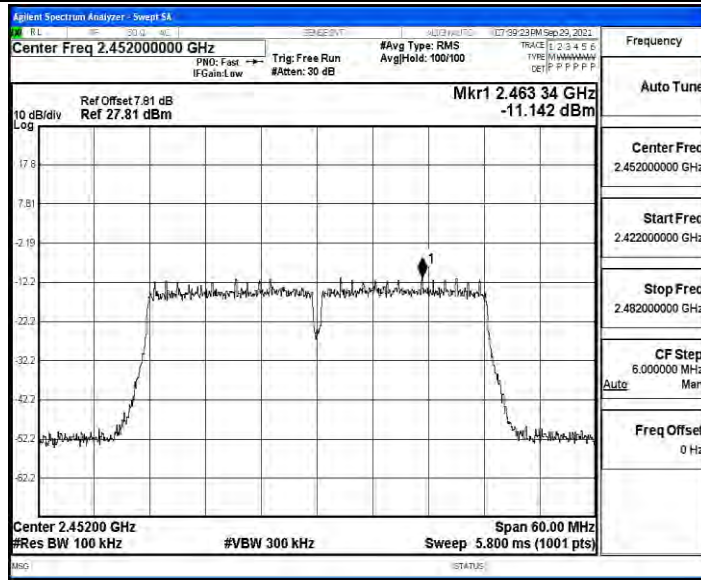




11N40SISO\_Ant1\_2437\_1000~26500

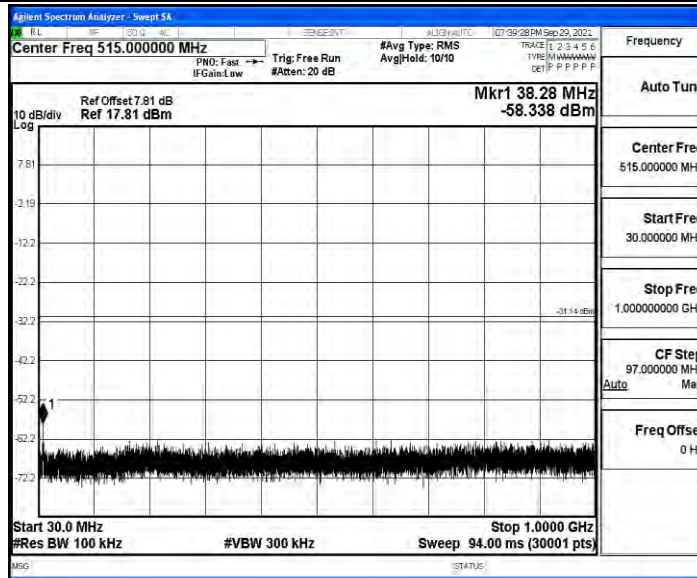


11N40SISO\_Ant1\_2452\_0~Reference

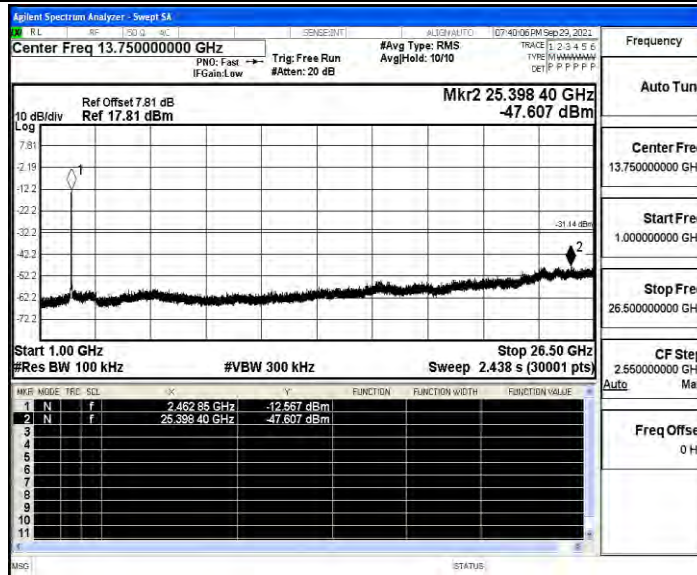




11N40SISO\_Ant1\_2452\_30~1000



11N40SISO\_Ant1\_2452\_1000~26500



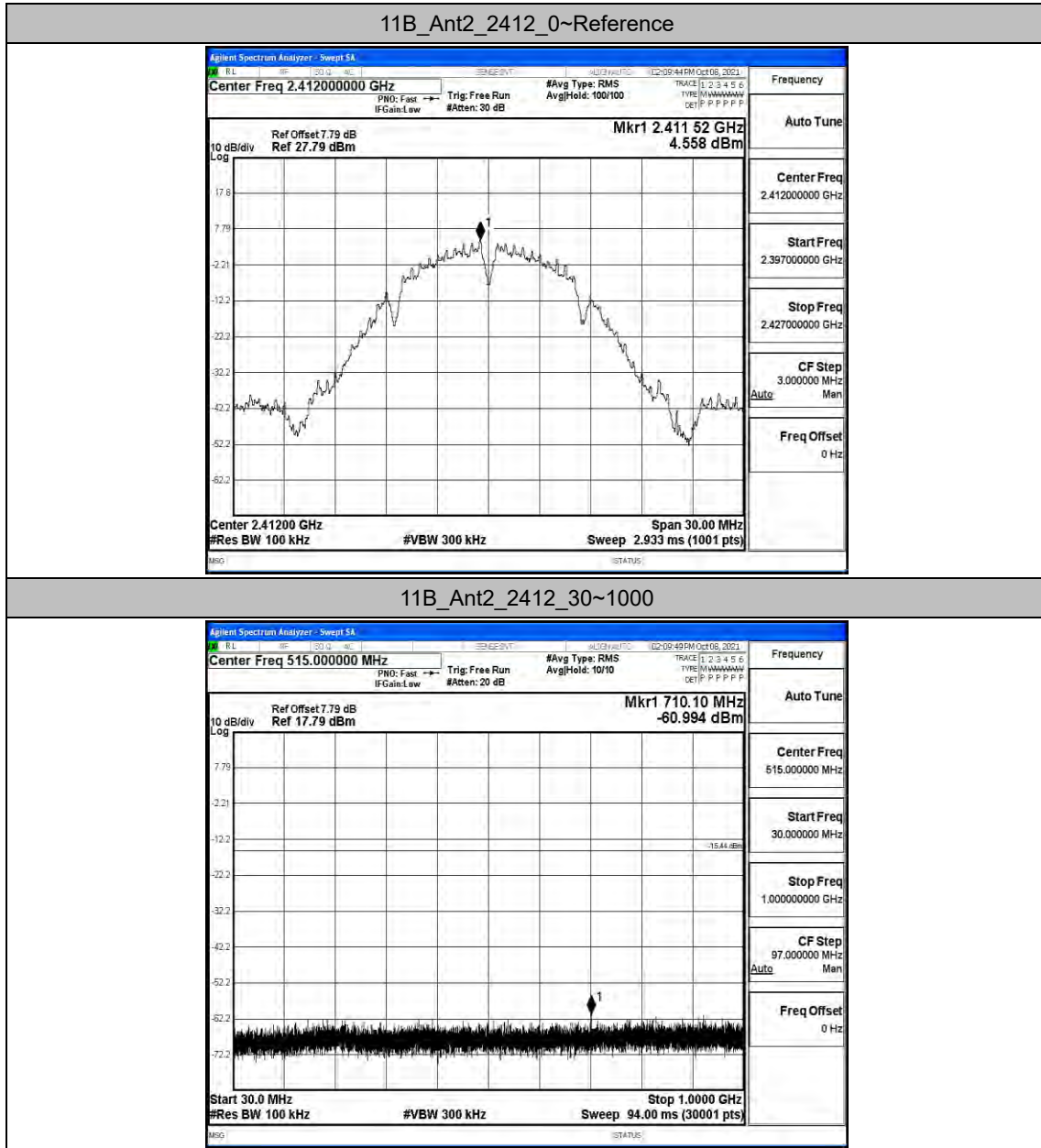


**ANT 2**

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	4.56	4.56	---	PASS
			30~1000	4.56	-60.99	≤-15.44	PASS
			1000~26500	4.56	-47.65	≤-15.44	PASS
		2437	Reference	4.25	4.25	---	PASS
			30~1000	4.25	-61.91	≤-15.75	PASS
			1000~26500	4.25	-47.28	≤-15.75	PASS
		2462	Reference	3.29	3.29	---	PASS
			30~1000	3.29	-61.27	≤-16.71	PASS
			1000~26500	3.29	-47.71	≤-16.71	PASS
11G	Ant2	2412	Reference	-7.56	-7.56	---	PASS
			30~1000	-7.56	-61.09	≤-27.56	PASS
			1000~26500	-7.56	-47.23	≤-27.56	PASS
		2437	Reference	-7.93	-7.93	---	PASS
			30~1000	-7.93	-61.66	≤-27.93	PASS
			1000~26500	-7.93	-46.73	≤-27.93	PASS
		2462	Reference	-8.29	-8.29	---	PASS
			30~1000	-8.29	-61.35	≤-28.29	PASS
			1000~26500	-8.29	-47.45	≤-28.29	PASS
11N20SISO	Ant2	2412	Reference	-7.26	-7.26	---	PASS
			30~1000	-7.26	-61.01	≤-27.26	PASS
			1000~26500	-7.26	-47.15	≤-27.26	PASS
		2437	Reference	-8.04	-8.04	---	PASS
			30~1000	-8.04	-61.62	≤-28.04	PASS
			1000~26500	-8.04	-47.52	≤-28.04	PASS
		2462	Reference	-8.99	-8.99	---	PASS
			30~1000	-8.99	-61.13	≤-28.99	PASS
			1000~26500	-8.99	-47.75	≤-28.99	PASS
11N40SISO	Ant2	2422	Reference	-10.63	-10.63	---	PASS
			30~1000	-10.63	-61.25	≤-30.63	PASS
			1000~26500	-10.63	-47.74	≤-30.63	PASS
		2437	Reference	-10.60	-10.60	---	PASS
			30~1000	-10.60	-62.02	≤-30.6	PASS
			1000~26500	-10.60	-47.11	≤-30.6	PASS
		2452	Reference	-10.95	-10.95	---	PASS
			30~1000	-10.95	-61.28	≤-30.95	PASS
			1000~26500	-10.95	-47.65	≤-30.95	PASS

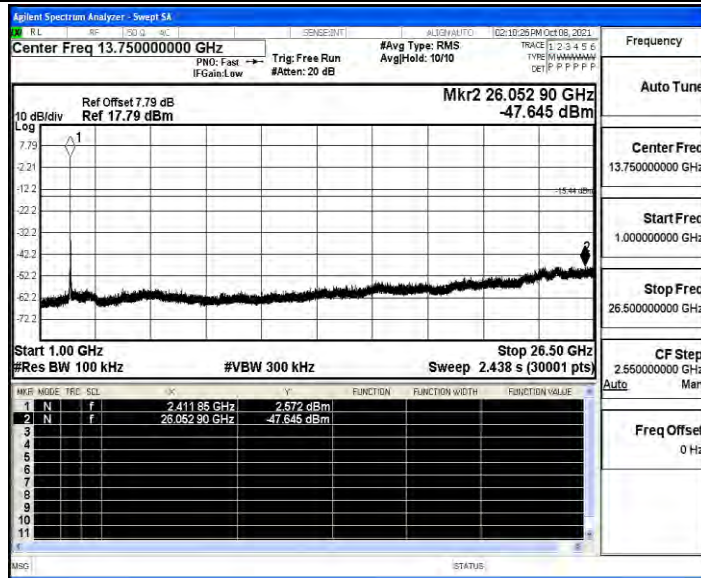


### Test Graphs

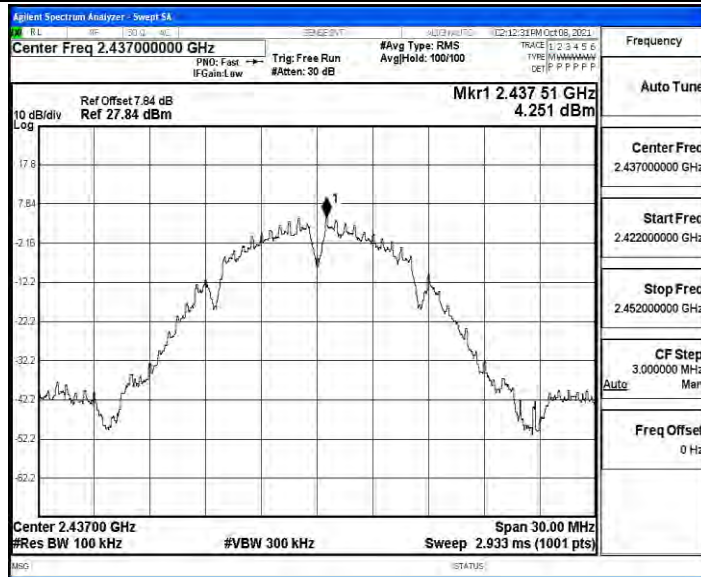




11B\_Ant2\_2412\_1000~26500



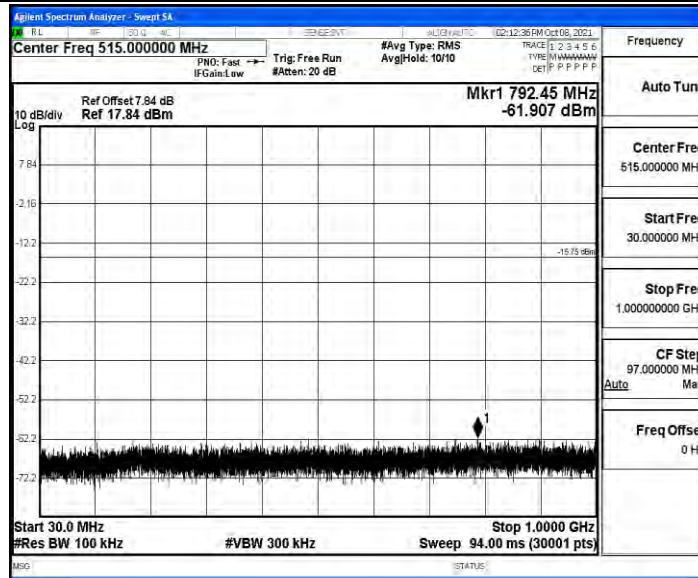
11B\_Ant2\_2437\_0~Reference



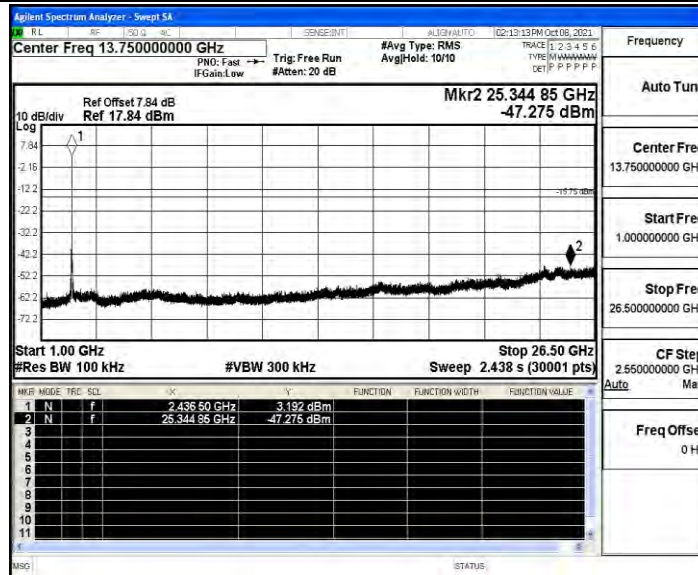




11B\_Ant2\_2437\_30~1000

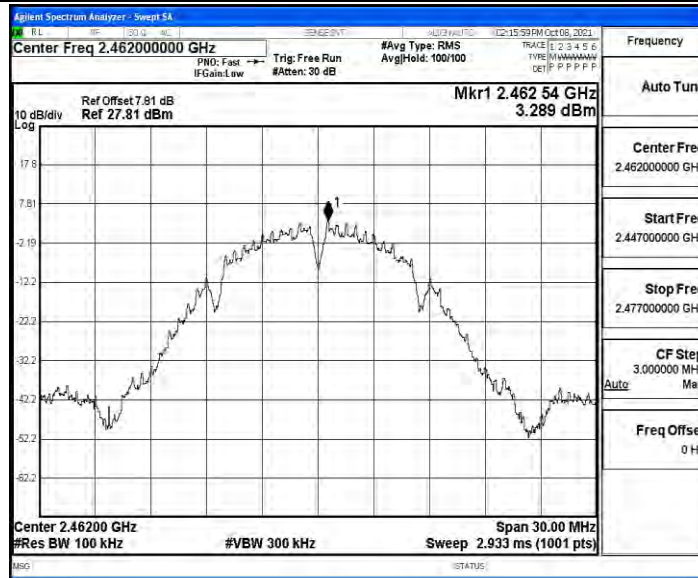


11B\_Ant2\_2437\_1000~26500

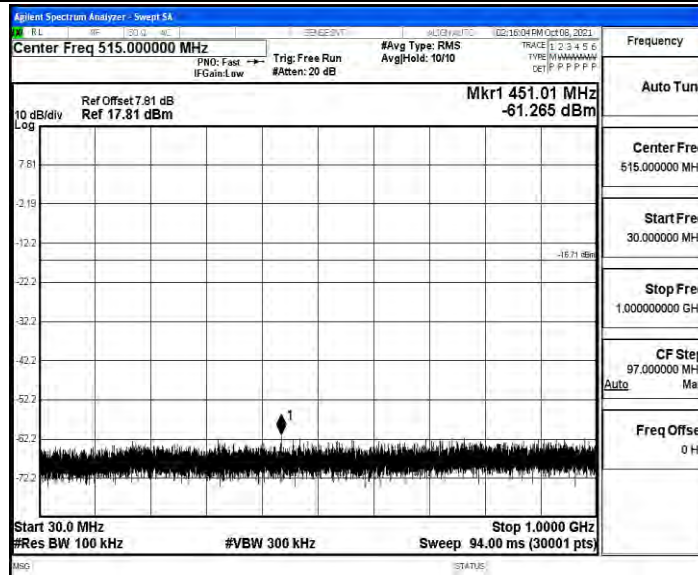




### 11B\_Ant2\_2462\_0~Reference

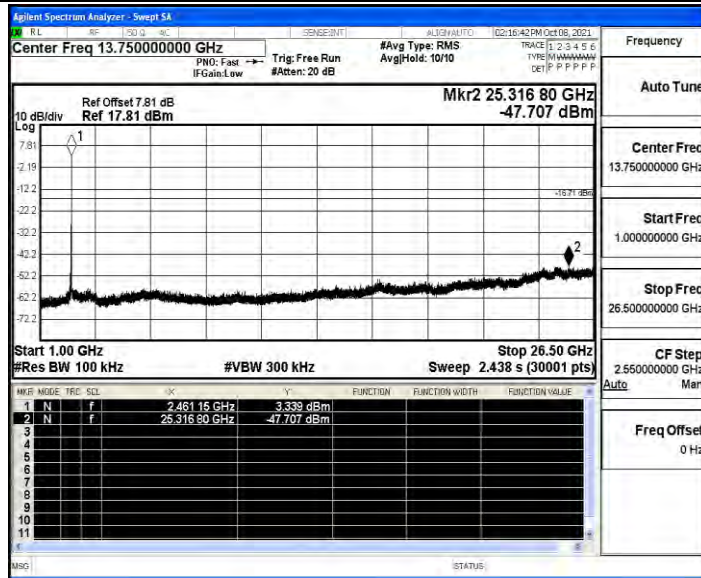


### 11B\_Ant2\_2462\_30~1000

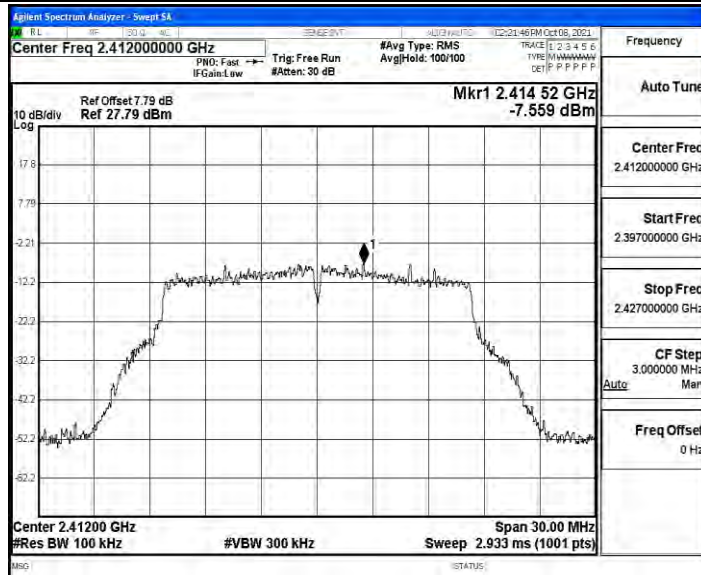




11B\_Ant2\_2462\_1000~26500



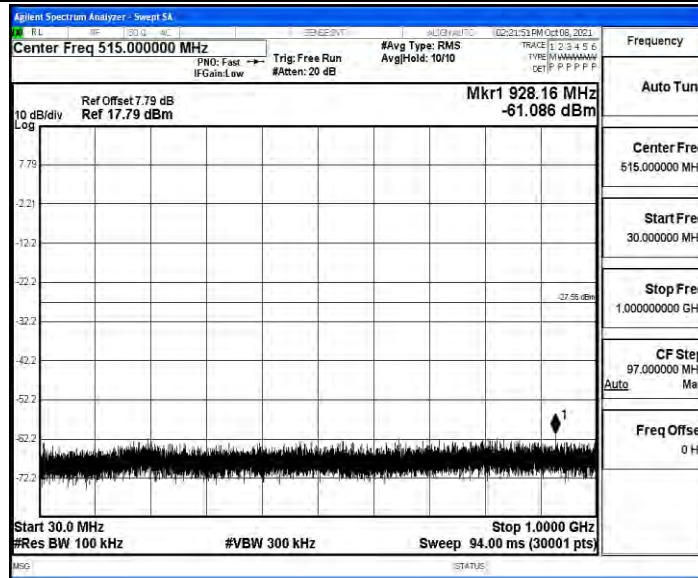
11G\_Ant2\_2412\_0~Reference



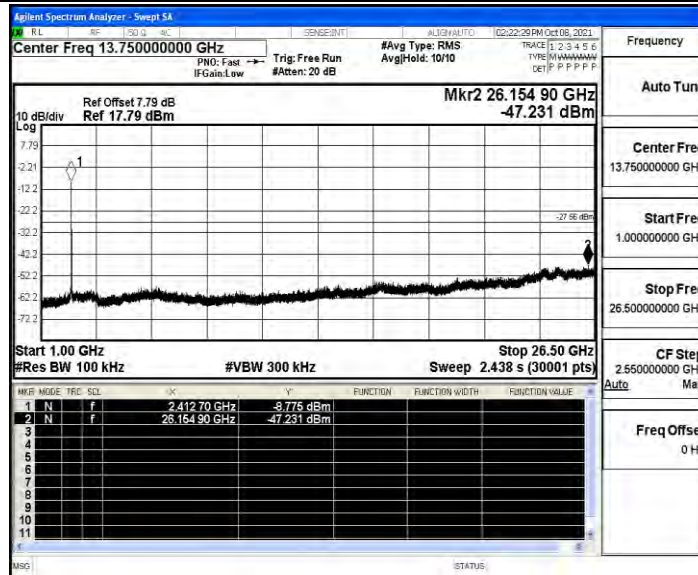




11G\_Ant2\_2412\_30~1000

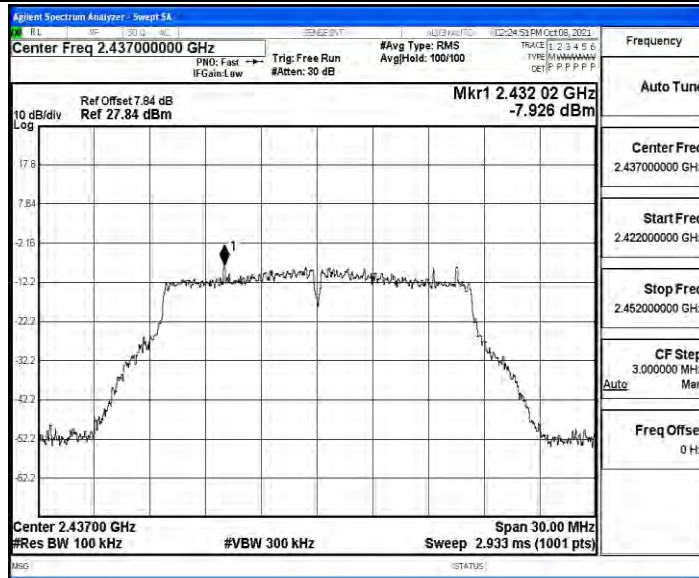


11G\_Ant2\_2412\_1000~26500

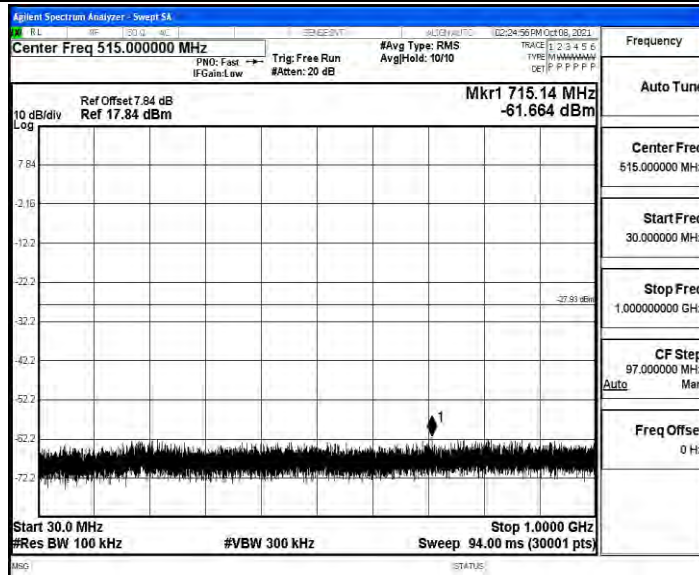




### 11G\_Ant2\_2437\_0~Reference

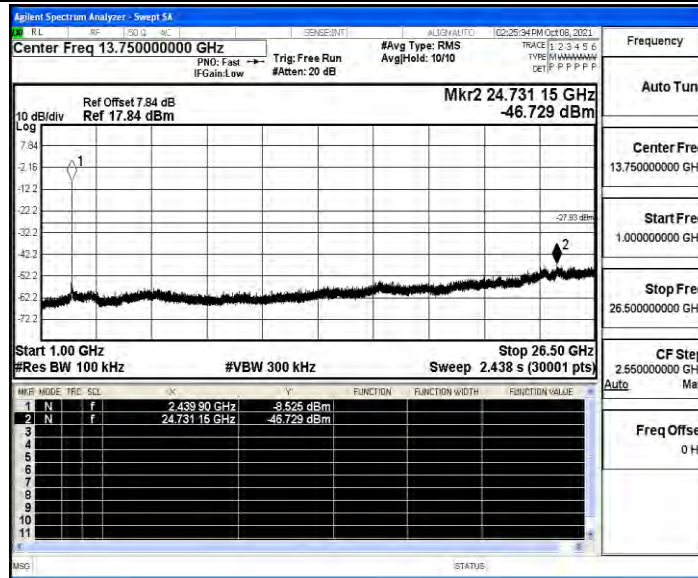


### 11G\_Ant2\_2437\_30~1000

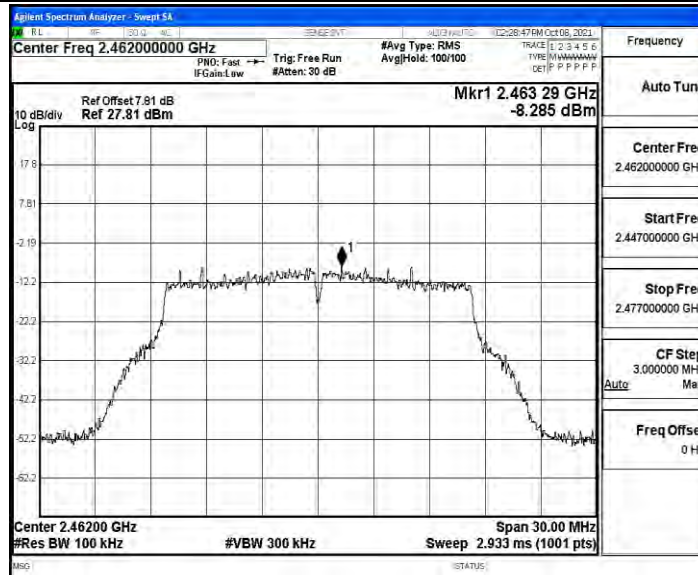




11G\_Ant2\_2437\_1000~26500

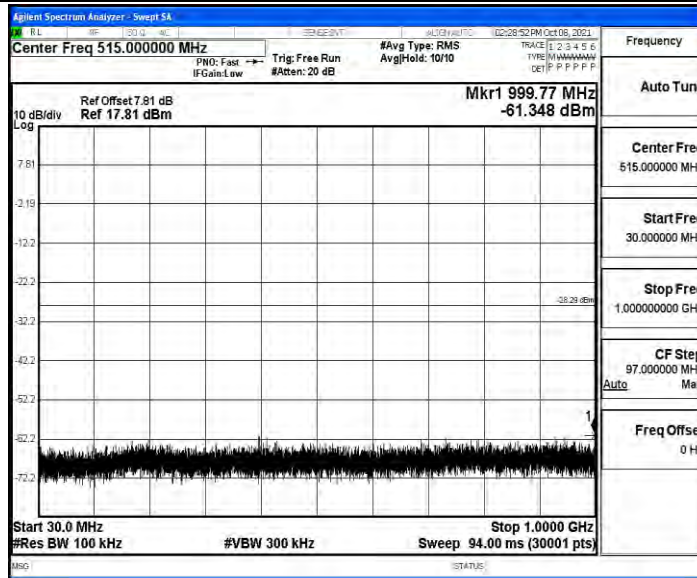


11G\_Ant2\_2462\_0~Reference

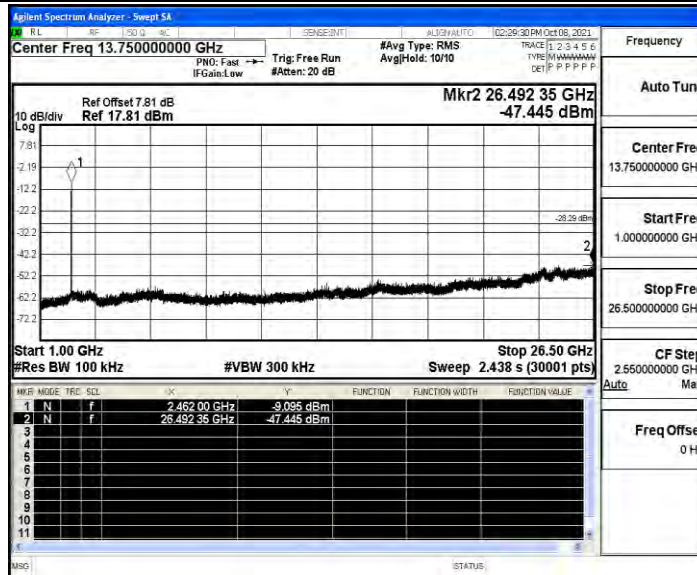




11G\_Ant2\_2462\_30~1000

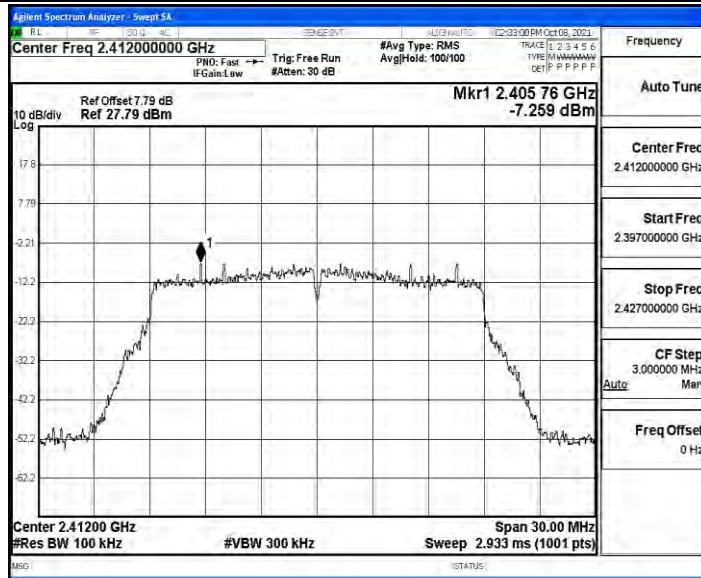


11G\_Ant2\_2462\_1000~26500

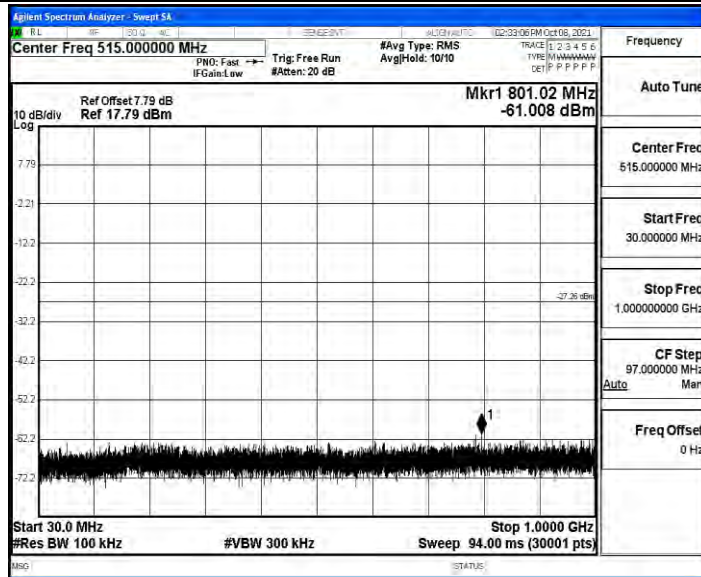




11N20SISO\_Ant2\_2412\_0~Reference



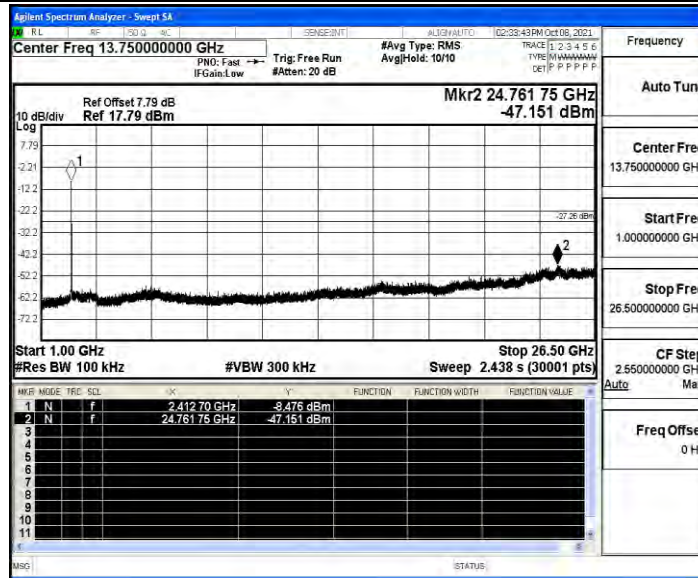
11N20SISO\_Ant2\_2412\_30~1000



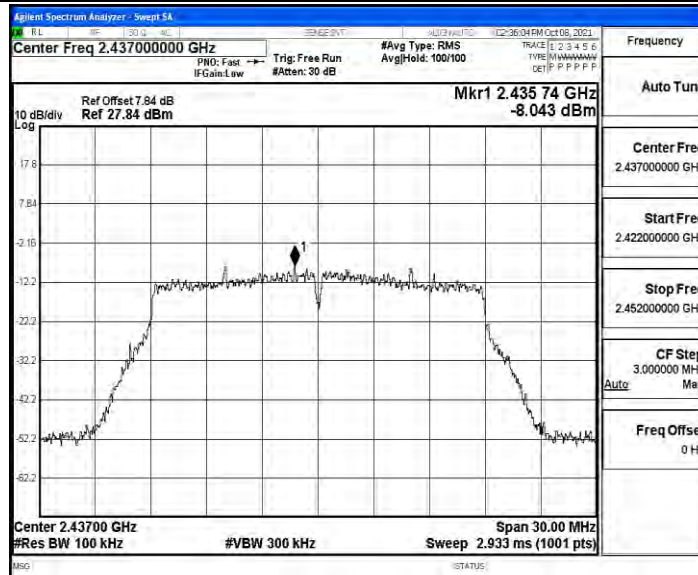




11N20SISO\_Ant2\_2412\_1000~26500

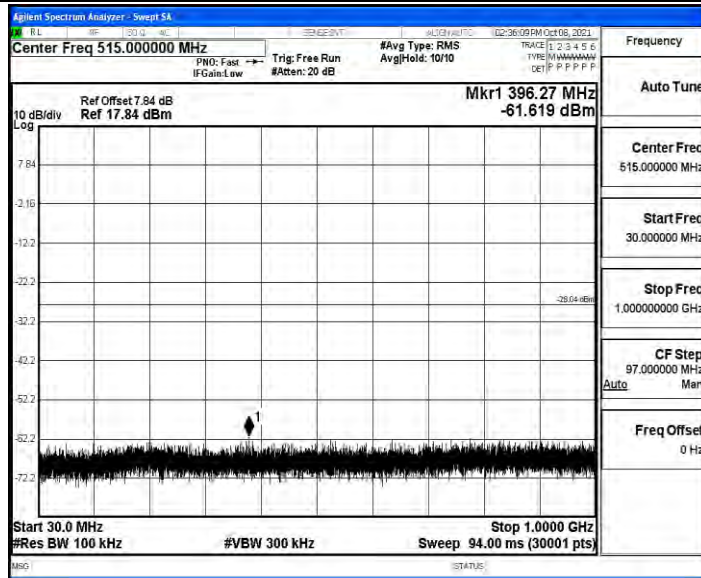


11N20SISO\_Ant2\_2437\_0~Reference

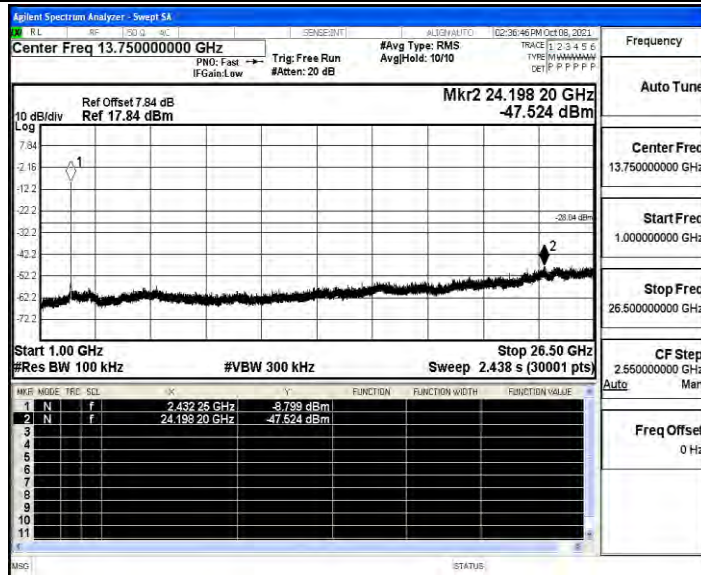




11N20SISO\_Ant2\_2437\_30~1000

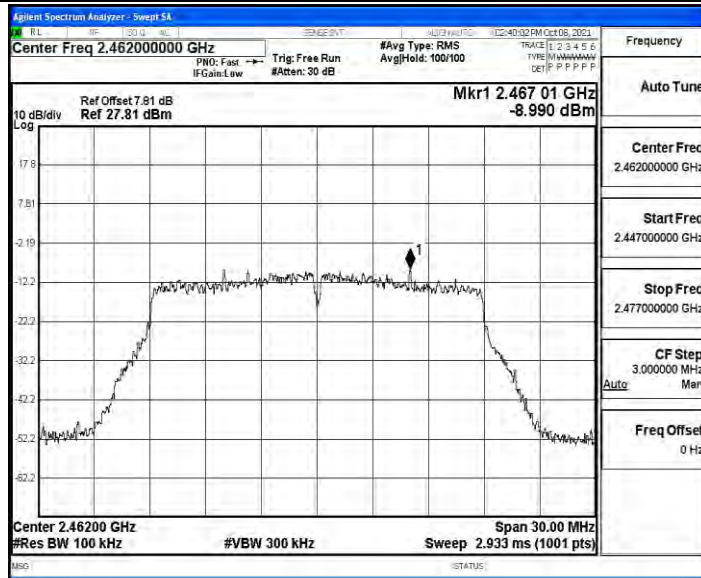


11N20SISO\_Ant2\_2437\_1000~26500

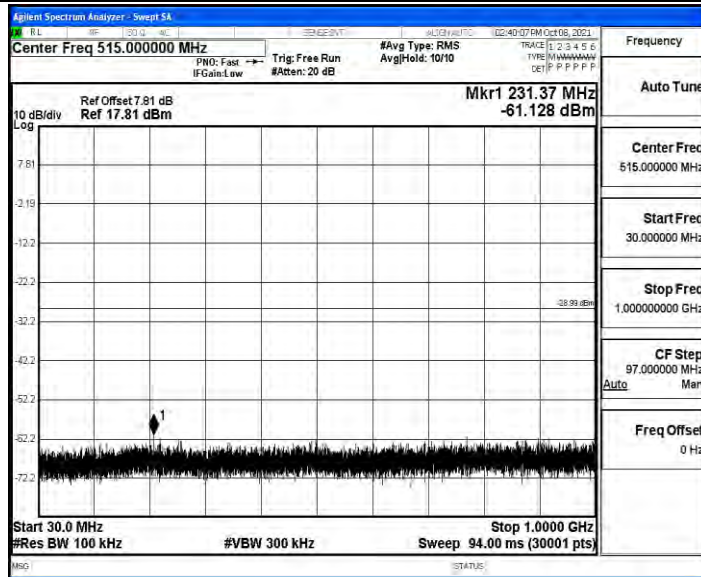




11N20SISO\_Ant2\_2462\_0~Reference

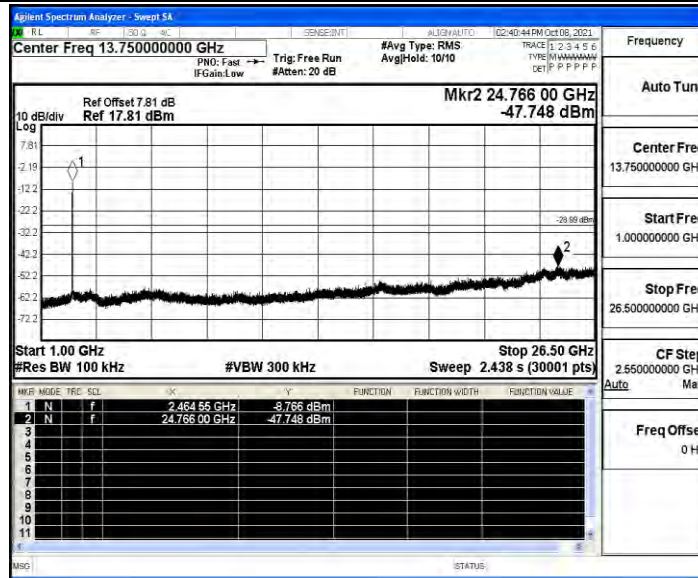


11N20SISO\_Ant2\_2462\_30~1000

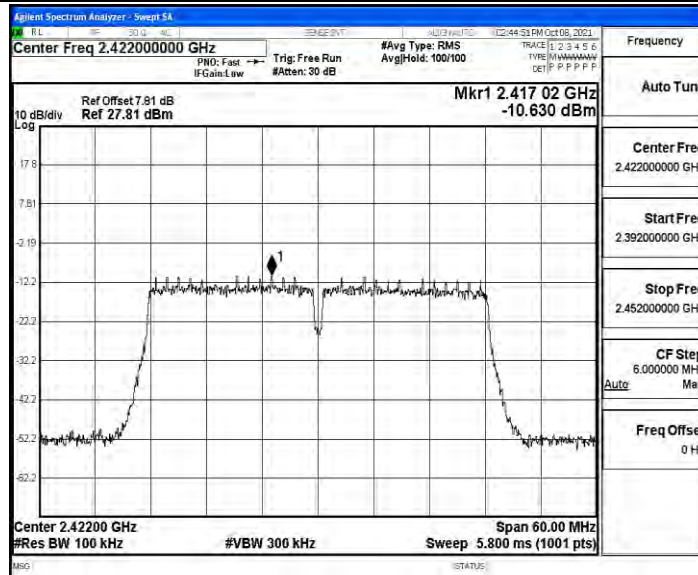




11N20SISO\_Ant2\_2462\_1000~26500

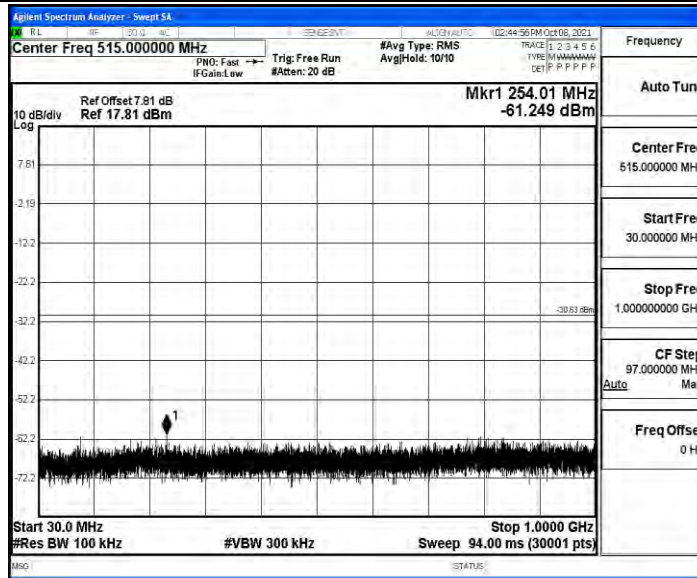


11N40SISO\_Ant2\_2422\_0~Reference

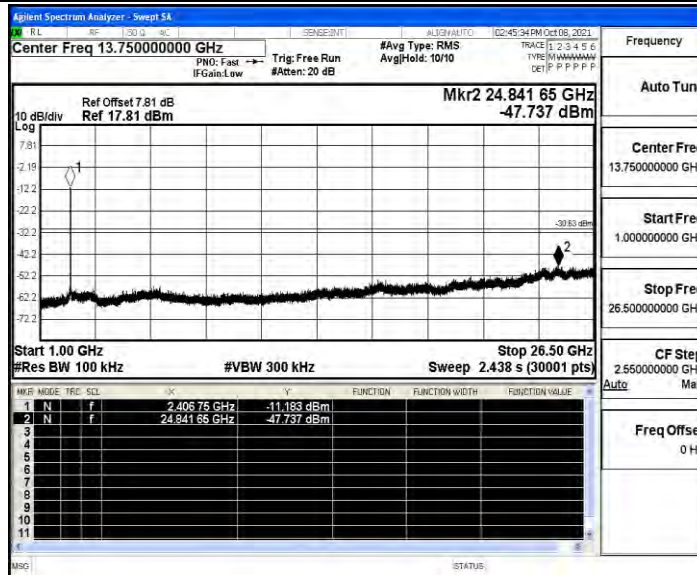




11N40SISO\_Ant2\_2422\_30~1000



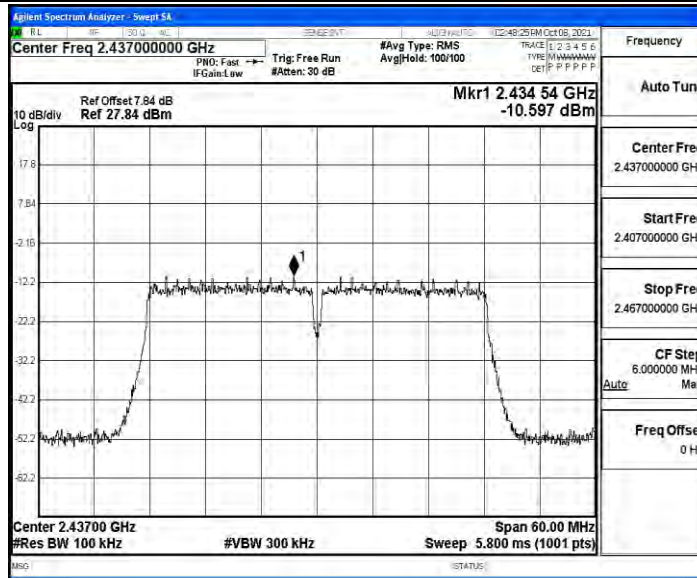
11N40SISO\_Ant2\_2422\_1000~26500



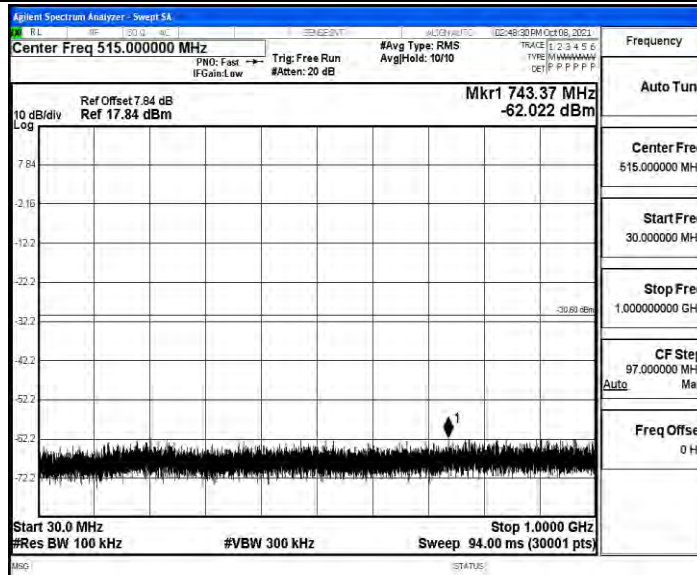




11N40SISO\_Ant2\_2437\_0~Reference

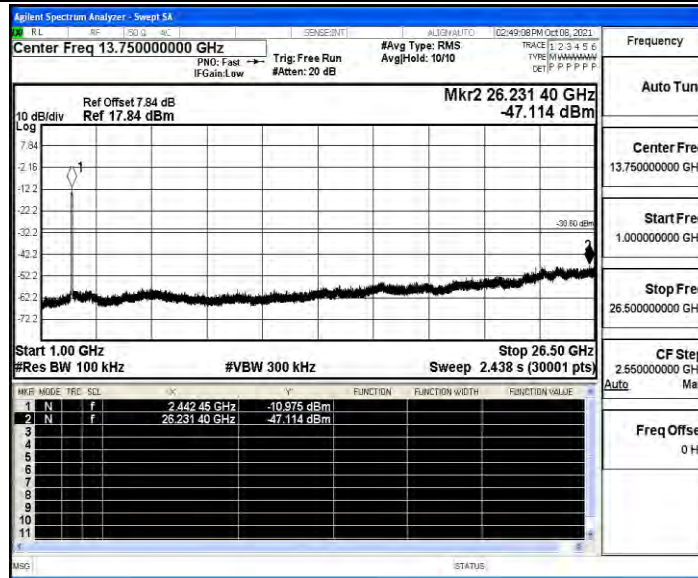


11N40SISO\_Ant2\_2437\_30~1000

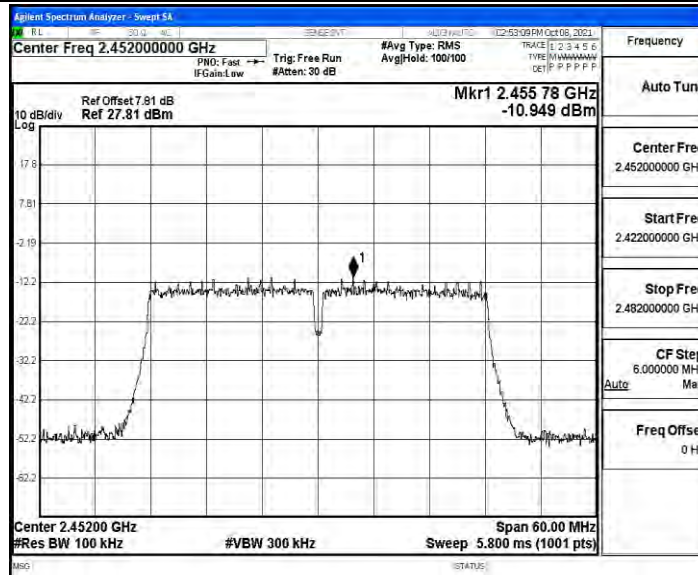




11N40SISO\_Ant2\_2437\_1000~26500

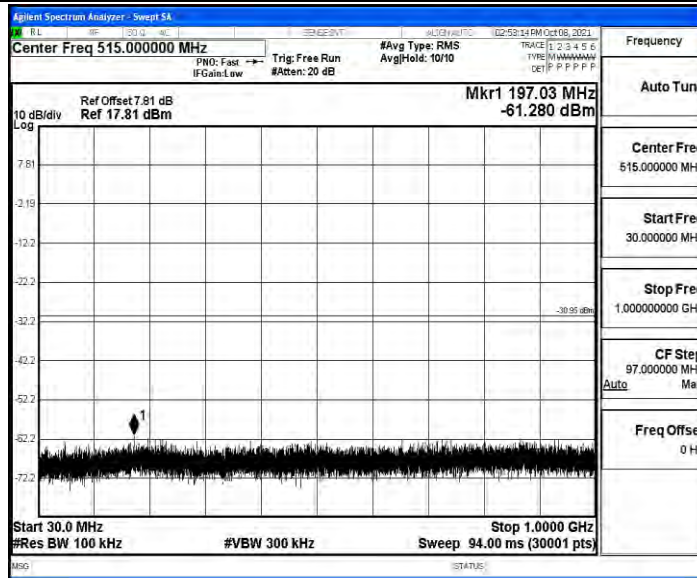


11N40SISO\_Ant2\_2452\_0~Reference

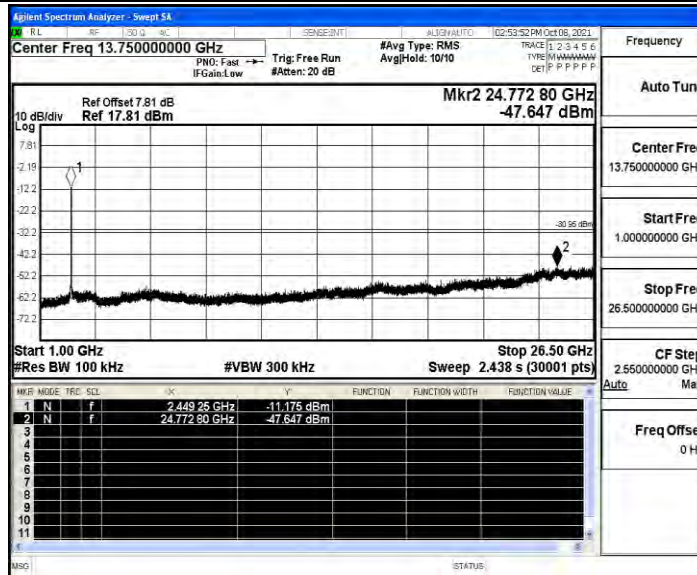




11N40SISO\_Ant2\_2452\_30~1000



11N40SISO\_Ant2\_2452\_1000~26500





## Appendix C.6: Band edge measurements

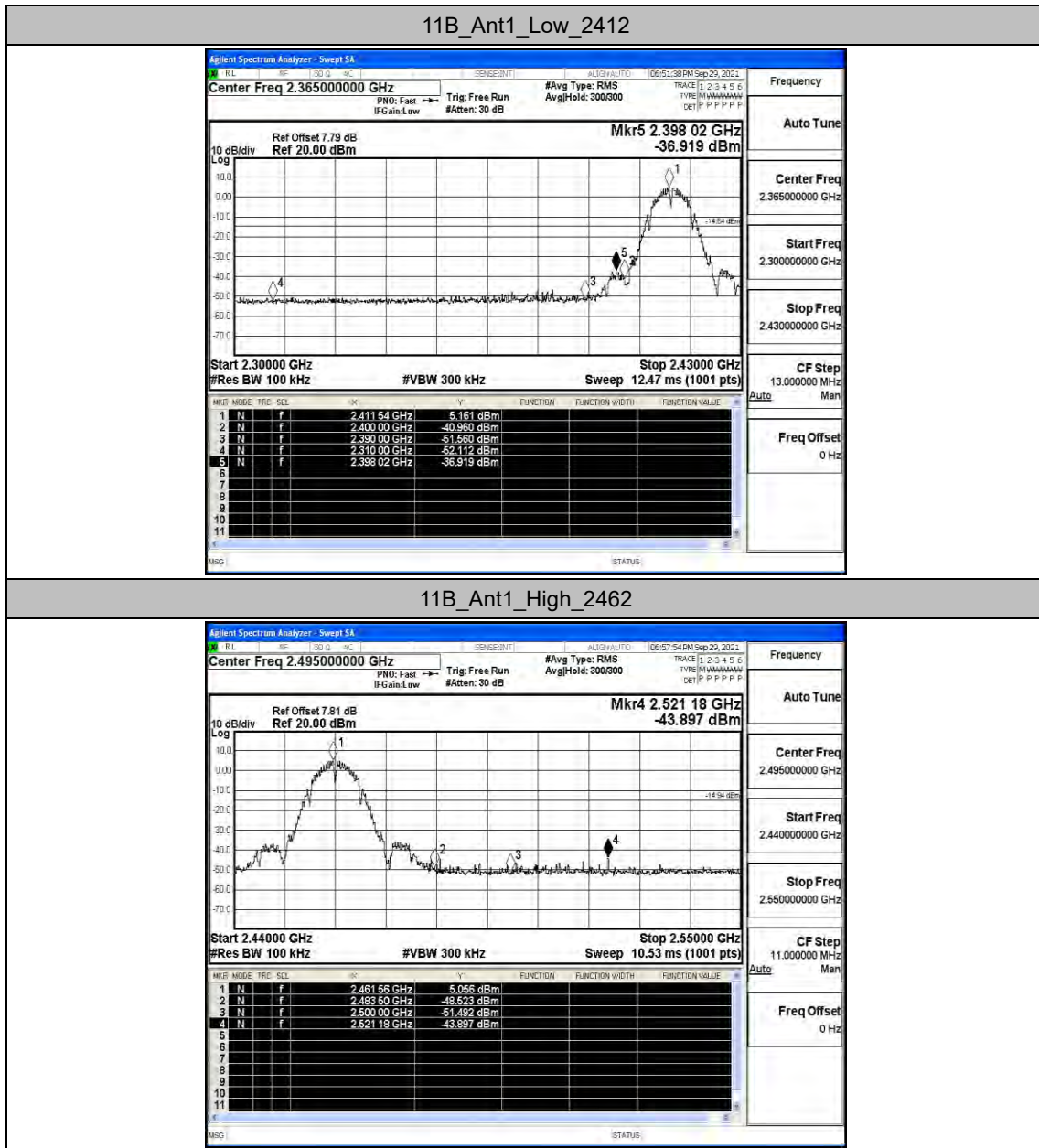
### Test Result

#### ANT 1

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.16	-36.92	≤-14.84	PASS
		High	2462	5.06	-43.9	≤-14.94	PASS
11G	Ant1	Low	2412	-7.32	-47.51	≤-27.32	PASS
		High	2462	-8.65	-48.83	≤-28.65	PASS
11N20SISO	Ant1	Low	2412	-7.41	-47.15	≤-27.41	PASS
		High	2462	-8.47	-48.82	≤-28.47	PASS
11N40SISO	Ant1	Low	2422	-11.61	-48.63	≤-31.61	PASS
		High	2452	-10.98	-48.45	≤-30.98	PASS



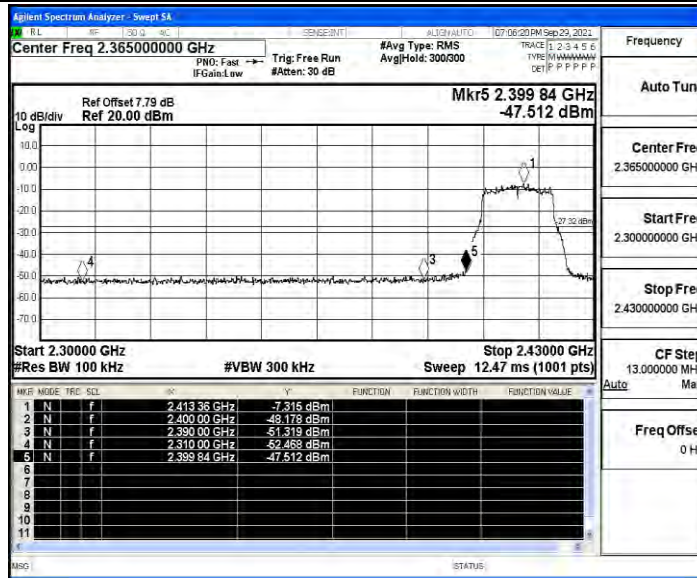
### Test Graphs



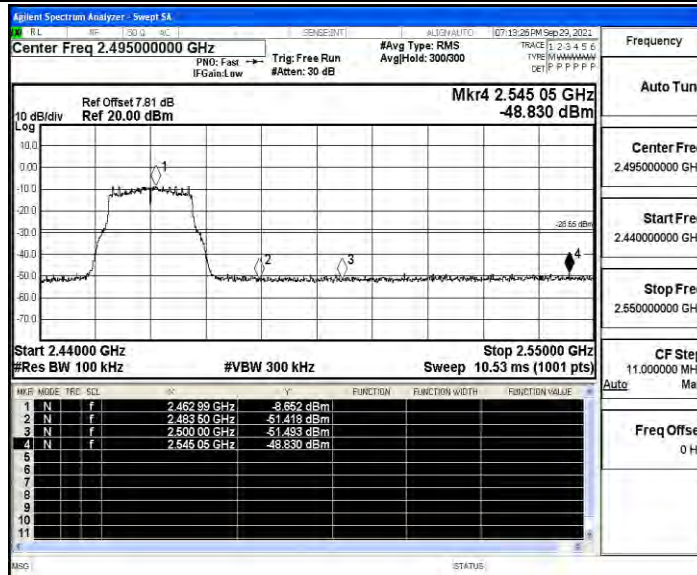




11G\_Ant1\_Low\_2412

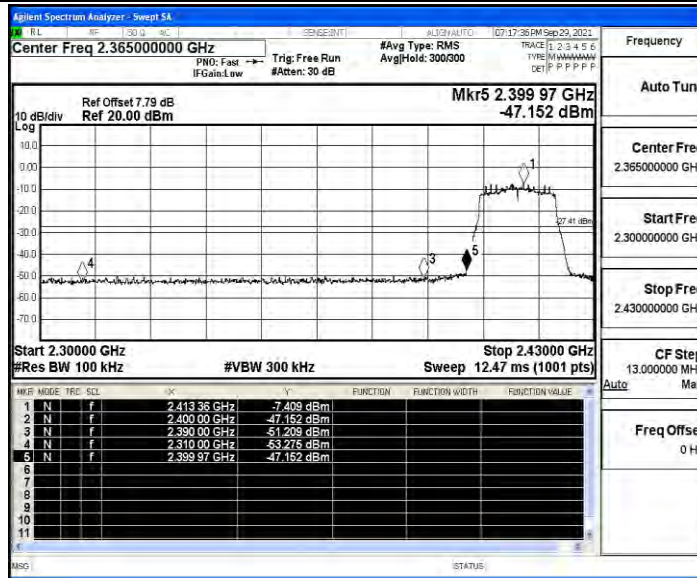


11G\_Ant1\_High\_2462

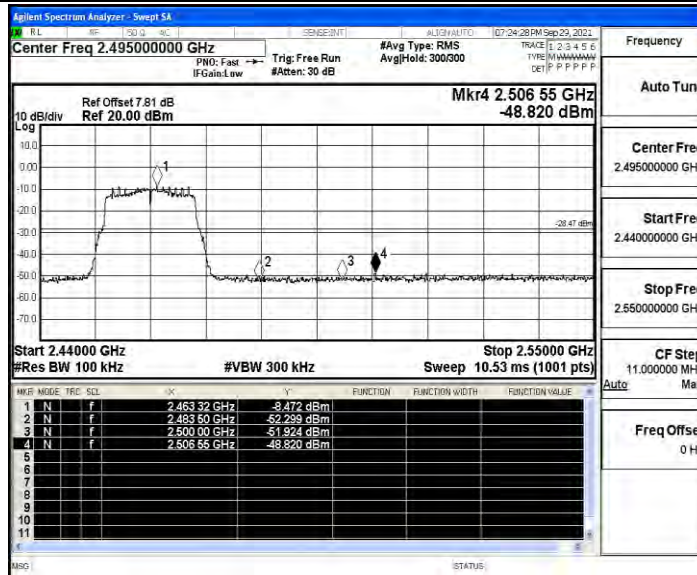


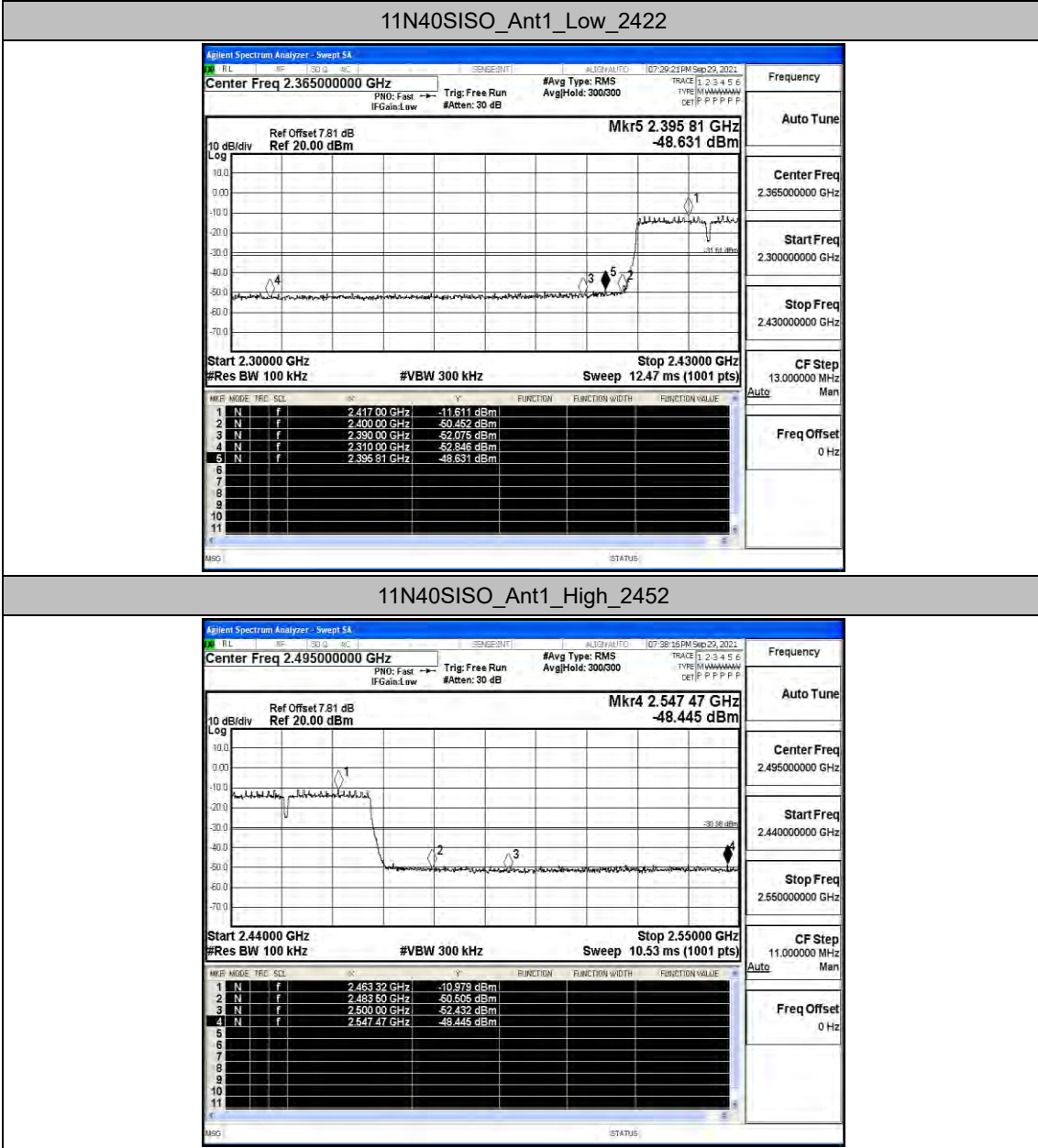


11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462



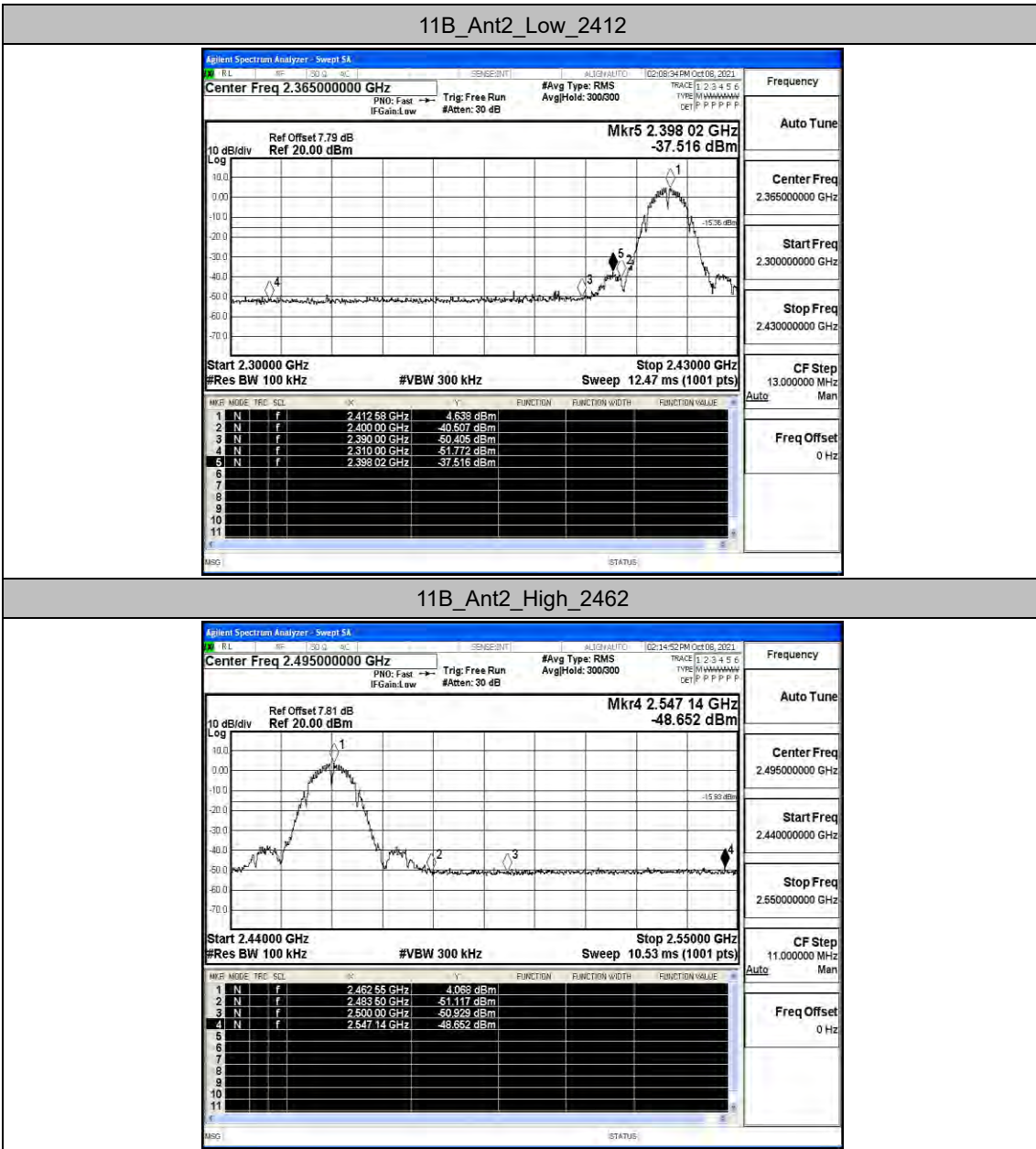


**ANT 2**

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.64	-37.52	≤-15.36	PASS
		High	2462	4.07	-48.65	≤-15.93	PASS
11G	Ant2	Low	2412	-6.78	-48.05	≤-26.78	PASS
		High	2462	-7.66	-47.56	≤-27.66	PASS
11N20SISO	Ant2	Low	2412	-7.26	-47.32	≤-27.26	PASS
		High	2462	-8.21	-48.84	≤-28.21	PASS
11N40SISO	Ant2	Low	2422	-10.22	-49.49	≤-30.22	PASS
		High	2452	-10.84	-47.97	≤-30.84	PASS



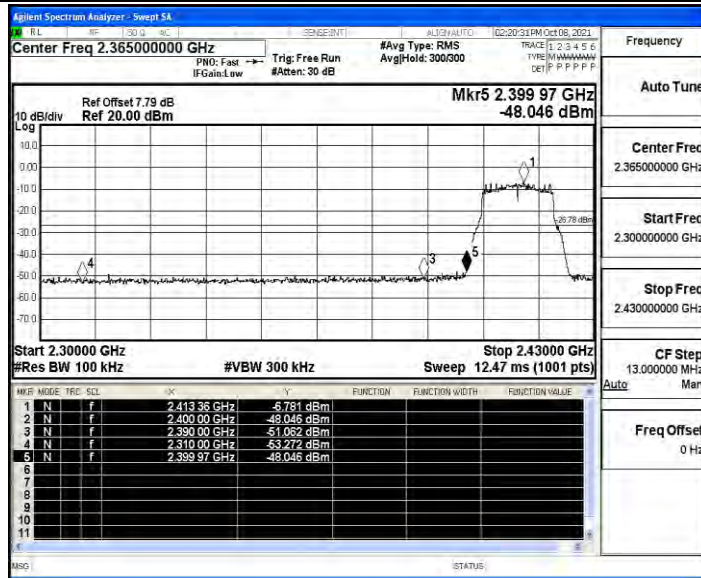
### Test Graphs



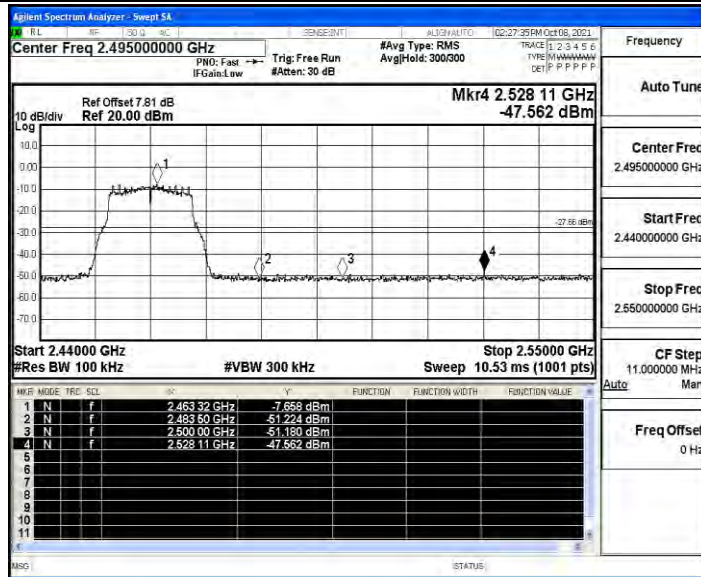




11G\_Ant2\_Low\_2412



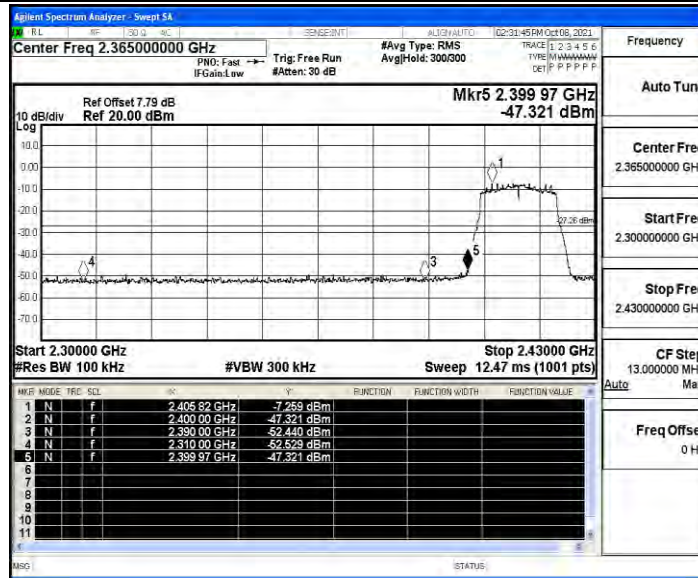
11G\_Ant2\_High\_2462



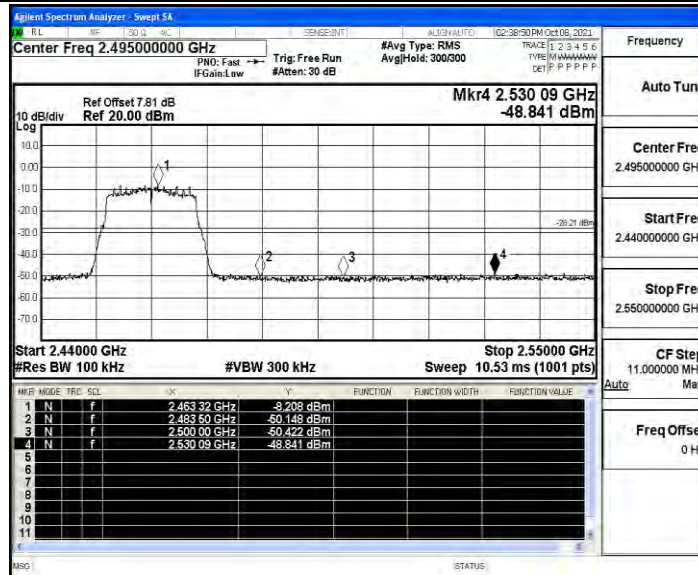




11N20SISO\_Ant2\_Low\_2412

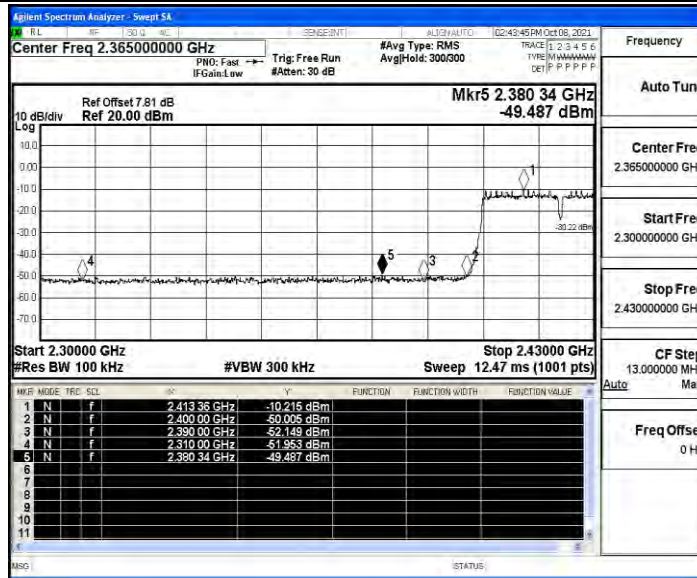


11N20SISO\_Ant2\_High\_2462

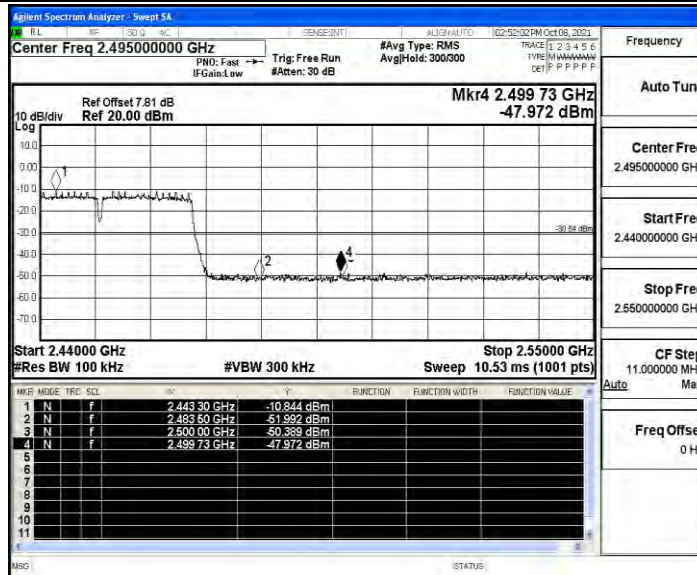




11N40SISO\_Ant2\_Low\_2422



11N40SISO\_Ant2\_High\_2452





## Appendix C.7: Emissions in Restricted Bands

### Test Result

#### ANT 1

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.25	≤-41.20	45.95	≤54	PASS
				AV	2386.840	-48.36	≤-41.20	46.84	≤54	PASS
				AV	2390.000	-48.37	≤-41.20	46.83	≤54	PASS
				Peak	2310.000	-41.85	≤-21.20	53.35	≤74	PASS
				Peak	2375.400	-27.83	≤-21.20	67.37	≤74	PASS
				Peak	2390.000	-43.41	≤-21.20	51.79	≤74	PASS
		High	2462	AV	2483.500	-45.86	≤-41.20	49.34	≤54	PASS
				AV	2483.560	-46	≤-41.20	49.20	≤54	PASS
				AV	2500.000	-47.87	≤-41.20	47.33	≤54	PASS
				Peak	2483.500	-39.98	≤-21.20	55.22	≤74	PASS
				Peak	2499.070	-35.97	≤-21.20	59.23	≤74	PASS
				Peak	2500.000	-41.05	≤-21.20	54.15	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2389.700	-48.12	≤-41.20	47.08	≤54	PASS
				AV	2390.000	-48.21	≤-41.20	46.99	≤54	PASS
				Peak	2310.000	-42.74	≤-21.20	52.46	≤74	PASS
				Peak	2361.230	-38.73	≤-21.20	56.47	≤74	PASS
				Peak	2390.000	-42.31	≤-21.20	52.89	≤74	PASS
		High	2462	AV	2483.500	-47.98	≤-41.20	47.22	≤54	PASS
				AV	2497.640	-47.61	≤-41.20	47.59	≤54	PASS
				AV	2500.000	-47.72	≤-41.20	47.48	≤54	PASS
				Peak	2483.500	-42.22	≤-21.20	52.98	≤74	PASS
				Peak	2486.750	-38.24	≤-21.20	56.96	≤74	PASS
				Peak	2500.000	-39.88	≤-21.20	55.32	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-48.72	≤-41.20	46.48	≤54	PASS
				AV	2386.060	-48.08	≤-41.20	47.12	≤54	PASS
				AV	2390.000	-48.18	≤-41.20	47.02	≤54	PASS
				Peak	2310.000	-42.24	≤-21.20	52.96	≤74	PASS
				Peak	2349.530	-39.29	≤-21.20	55.91	≤74	PASS
				Peak	2390.000	-40.15	≤-21.20	55.05	≤74	PASS
		High	2462	AV	2483.500	-47.89	≤-41.20	47.31	≤54	PASS
				AV	2496.540	-47.65	≤-41.20	47.55	≤54	PASS
				AV	2500.000	-47.79	≤-41.20	47.41	≤54	PASS
				Peak	2483.500	-42.21	≤-21.20	52.99	≤74	PASS
				Peak	2499.950	-38.49	≤-21.20	56.71	≤74	PASS
				Peak	2500.000	-38.49	≤-21.20	56.71	≤74	PASS



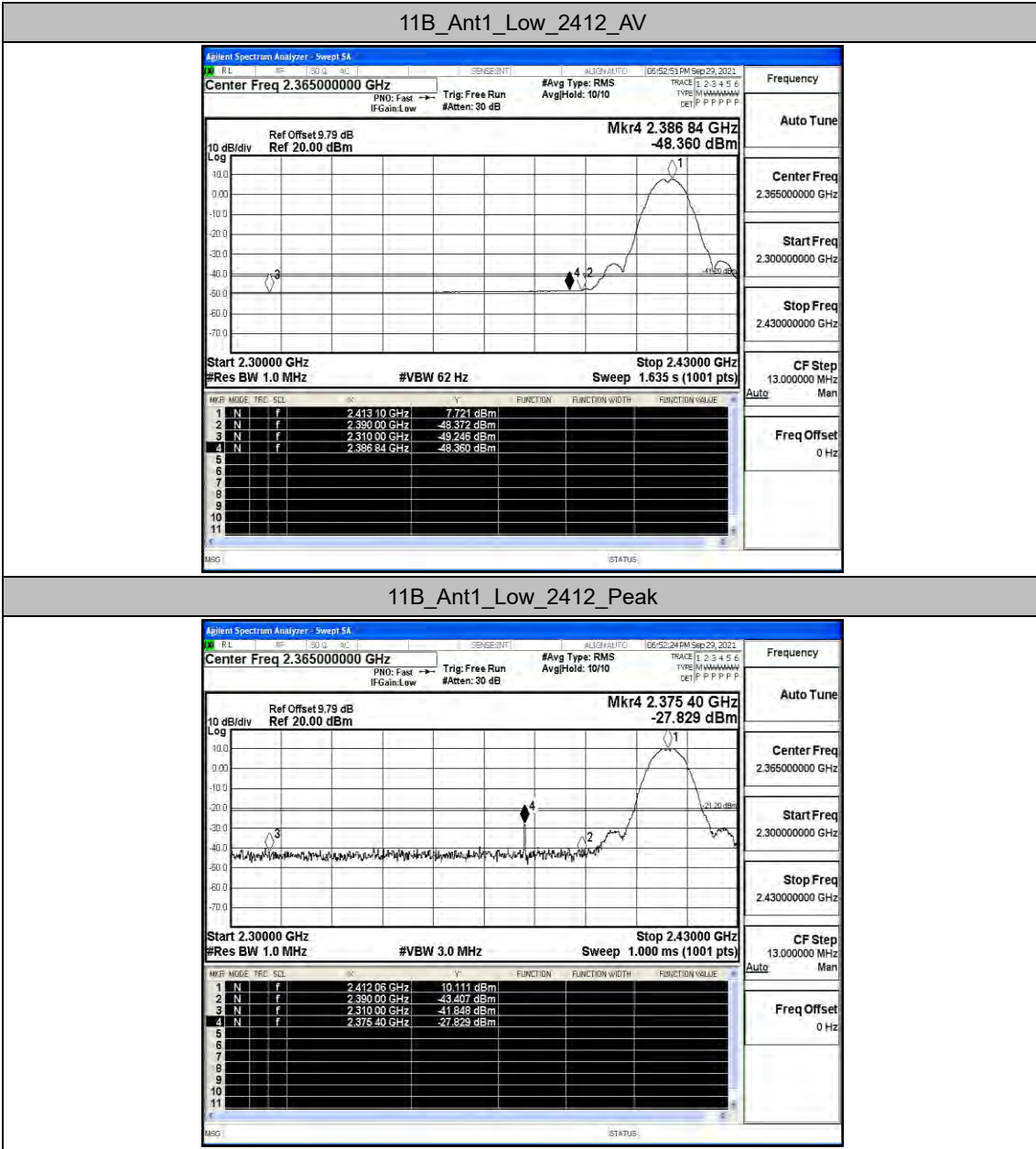
11N40SISO	Ant1	Low	2422	AV	2310.000	-48.62	≤-41.20	46.58	≤54	PASS
				AV	2389.960	-47.31	≤-41.20	47.89	≤54	PASS
				AV	2390.000	-47.31	≤-41.20	47.89	≤54	PASS
				Peak	2310.000	-42.33	≤-21.20	52.87	≤74	PASS
				Peak	2380.080	-39.04	≤-21.20	56.16	≤74	PASS
				Peak	2390.000	-39.3	≤-21.20	55.90	≤74	PASS
	High	2452	AV	2483.500	-46.9	≤-41.20	48.30	≤54	PASS	
			AV	2485.320	-46.72	≤-41.20	48.48	≤54	PASS	
			AV	2500.000	-47.34	≤-41.20	47.86	≤54	PASS	
			Peak	2483.500	-40.67	≤-21.20	54.53	≤74	PASS	
			Peak	2486.310	-36.99	≤-21.20	58.21	≤74	PASS	
			Peak	2500.000	-41.39	≤-21.20	53.81	≤74	PASS	

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



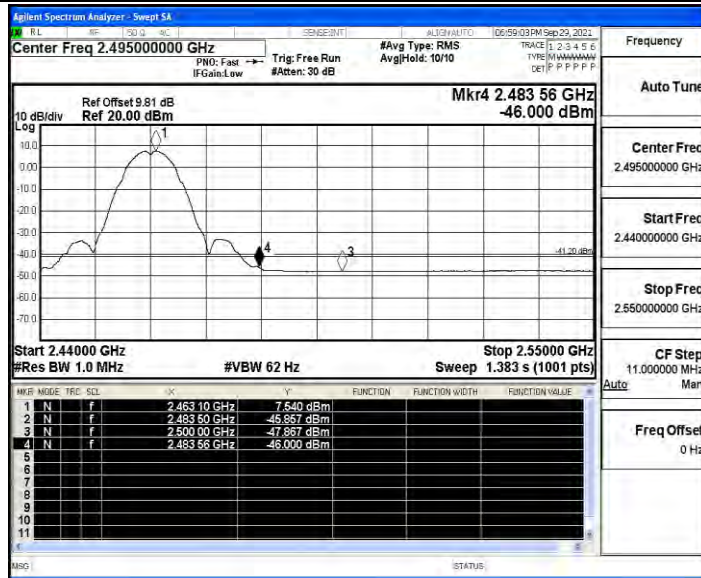
### Test Graphs





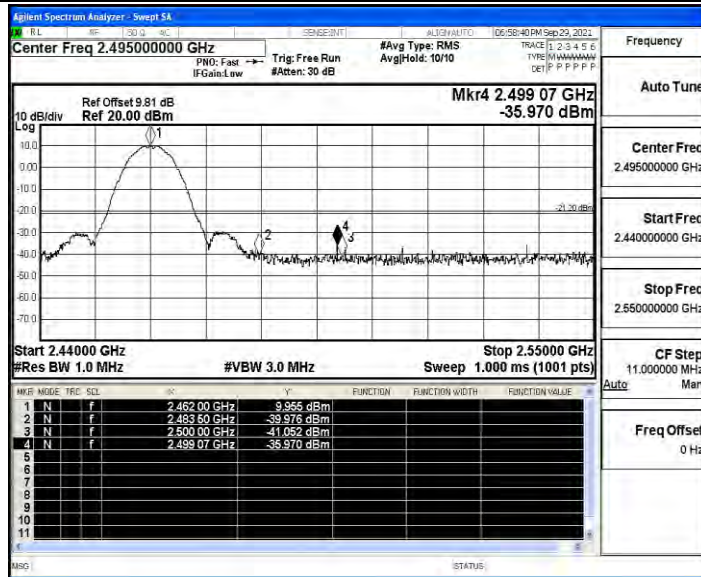


11B\_Ant1\_High\_2462\_AV



Frequency	Auto Tune
Center Freq	2.495000000 GHz
Start Freq	2.440000000 GHz
Stop Freq	2.550000000 GHz
CF Step	11.000000 MHz
Auto	Man
Freq Offset	0 Hz

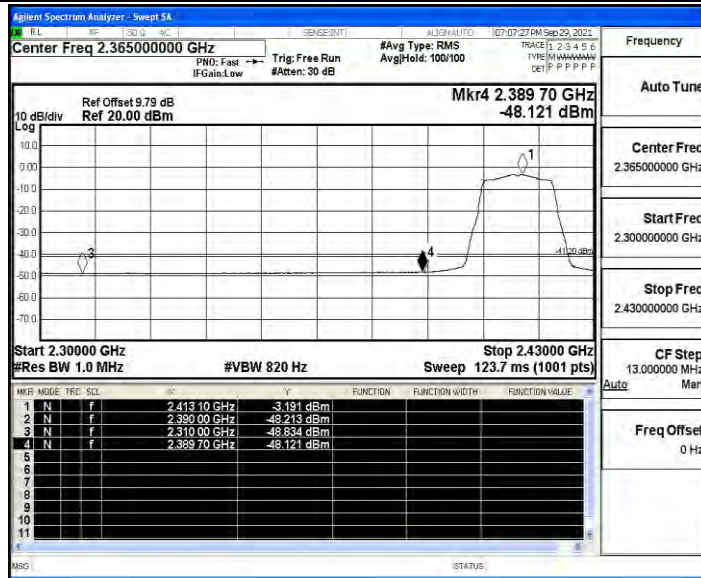
11B\_Ant1\_High\_2462\_Peak



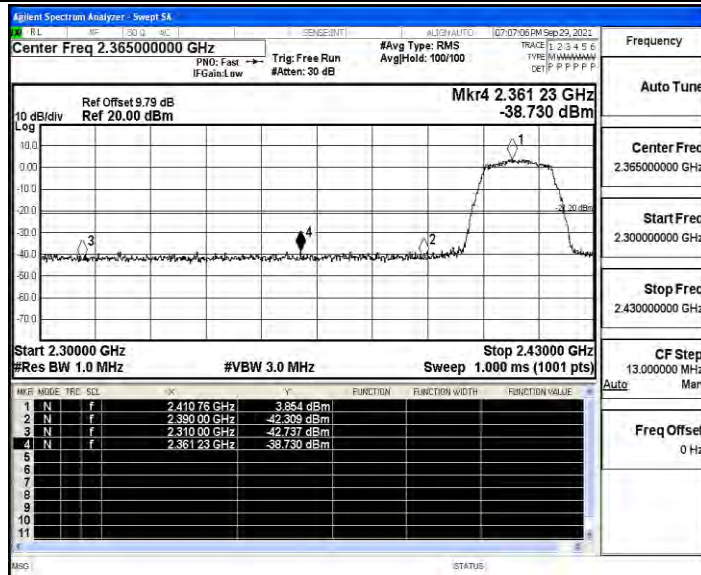
Frequency	Auto Tune
Center Freq	2.495000000 GHz
Start Freq	2.440000000 GHz
Stop Freq	2.550000000 GHz
CF Step	11.000000 MHz
Auto	Man
Freq Offset	0 Hz



11G\_Ant1\_Low\_2412\_AV

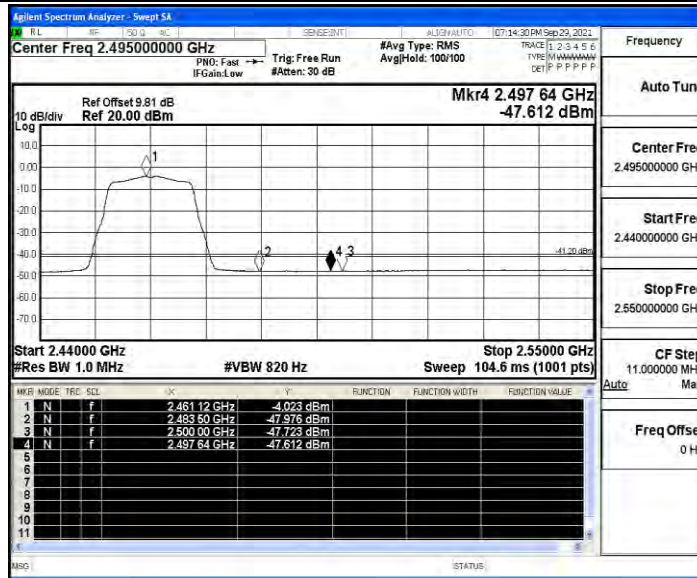


11G\_Ant1\_Low\_2412\_Peak

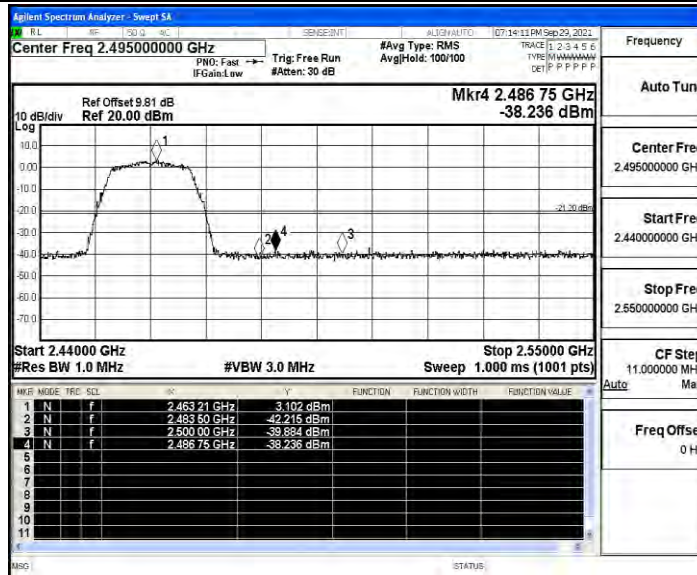




11G\_Ant1\_High\_2462\_AV

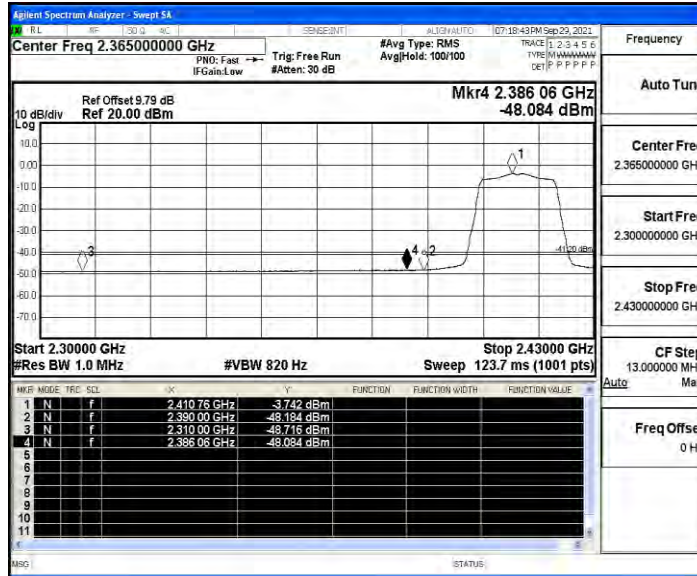


11G\_Ant1\_High\_2462\_Peak

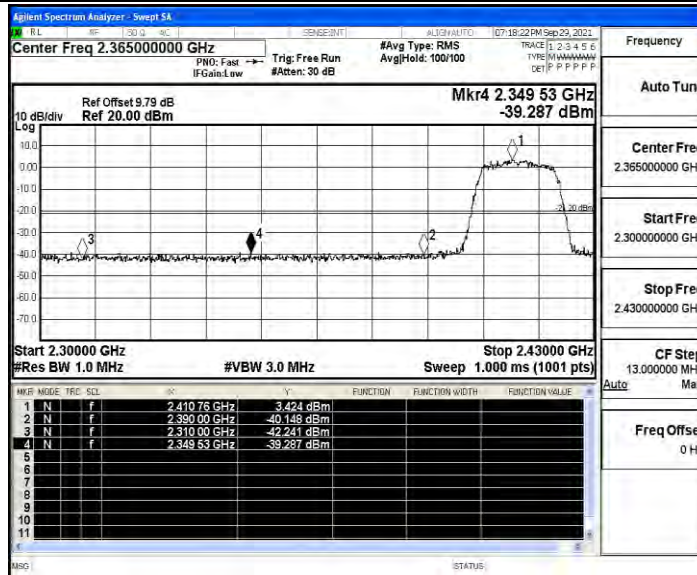




11N20SISO\_Ant1\_Low\_2412\_AV



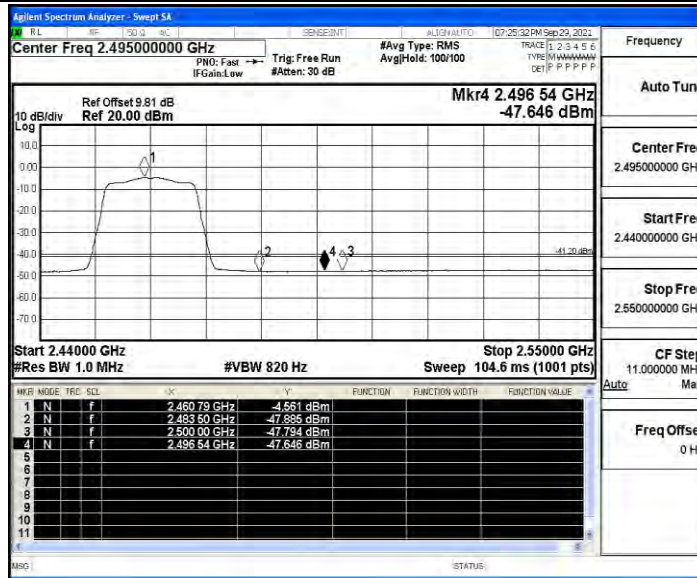
11N20SISO\_Ant1\_Low\_2412\_Peak



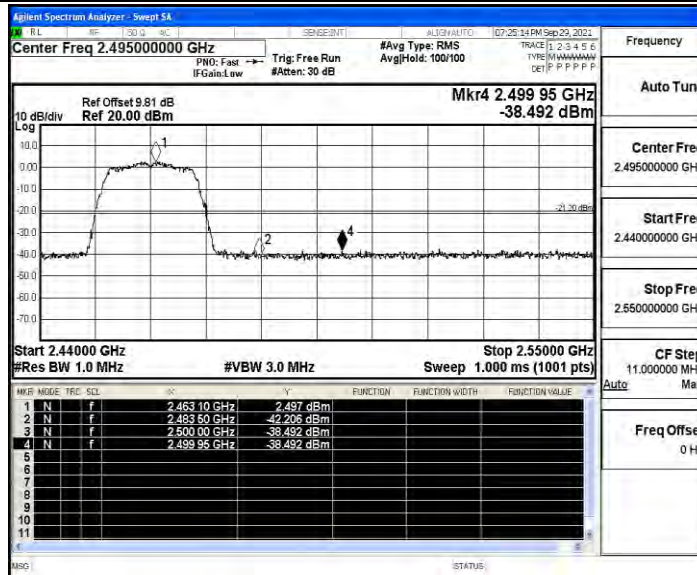




11N20SISO\_Ant1\_High\_2462\_AV



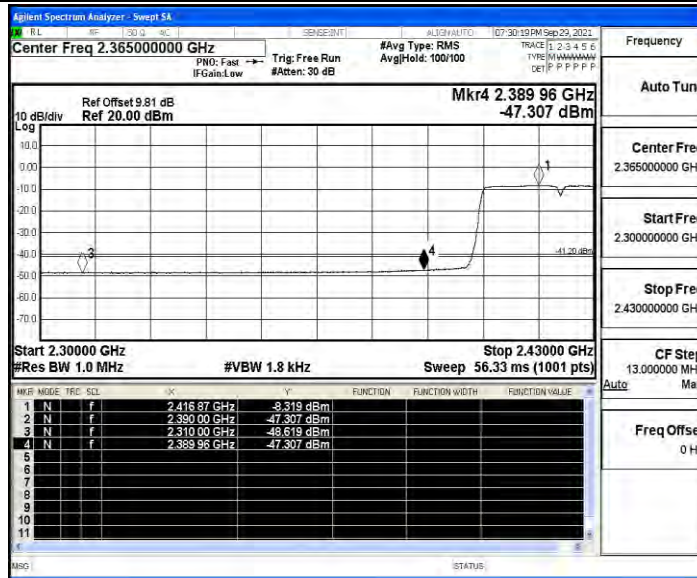
11N20SISO\_Ant1\_High\_2462\_Peak



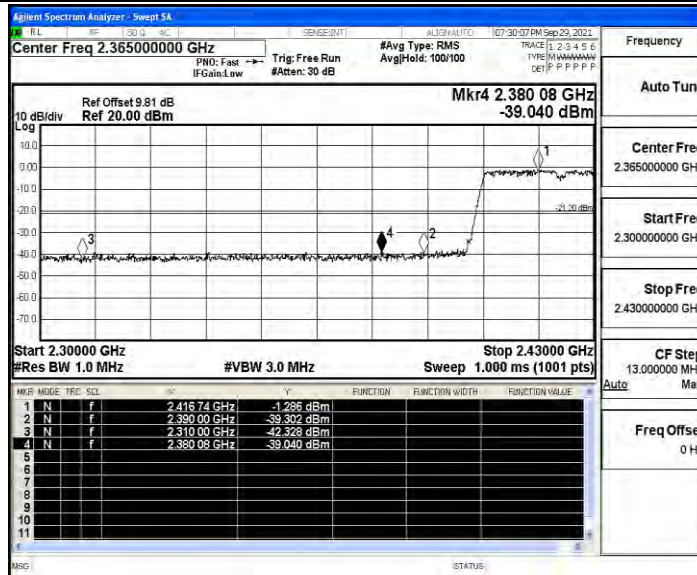




11N40SISO\_Ant1\_Low\_2422\_AV

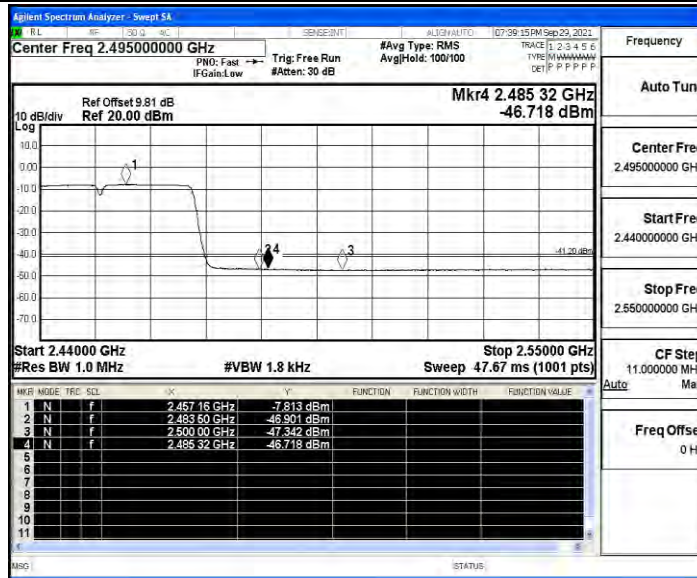


11N40SISO\_Ant1\_Low\_2422\_Peak

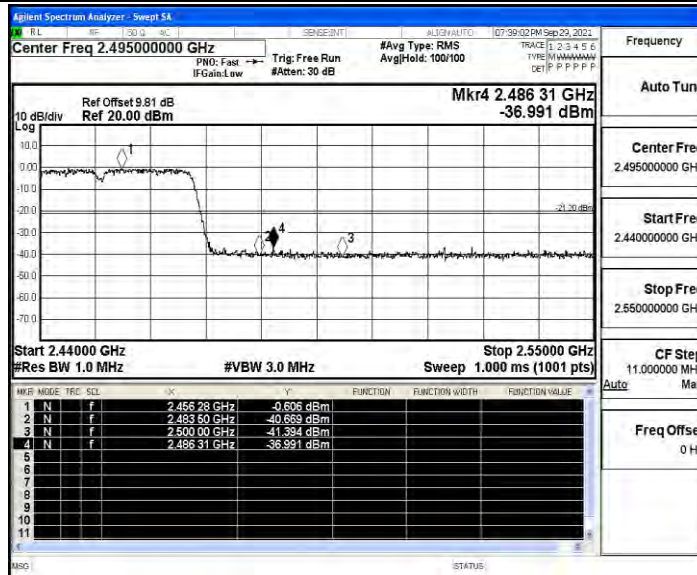




11N40SISO\_Ant1\_High\_2452\_AV



11N40SISO\_Ant1\_High\_2452\_Peak





**ANT 2**

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant2	Low	2412	AV	2310.000	-49.03	≤-41.20	46.17	≤54	PASS
				AV	2389.960	-47.74	≤-41.20	47.46	≤54	PASS
				AV	2390.000	-47.74	≤-41.20	47.46	≤54	PASS
				Peak	2310.000	-44.48	≤-21.20	50.72	≤74	PASS
				Peak	2377.610	-32.48	≤-21.20	62.72	≤74	PASS
				Peak	2390.000	-40.83	≤-21.20	54.37	≤74	PASS
		High	2462	AV	2483.500	-46.89	≤-41.20	48.31	≤54	PASS
				AV	2483.560	-46.92	≤-41.20	48.28	≤54	PASS
				AV	2500.000	-47.92	≤-41.20	47.28	≤54	PASS
				Peak	2483.500	-42	≤-21.20	53.20	≤74	PASS
				Peak	2489.280	-38.45	≤-21.20	56.75	≤74	PASS
				Peak	2500.000	-41.87	≤-21.20	53.33	≤74	PASS
11G	Ant2	Low	2412	AV	2310.000	-48.51	≤-41.20	46.69	≤54	PASS
				AV	2387.620	-47.74	≤-41.20	47.46	≤54	PASS
				AV	2390.000	-47.91	≤-41.20	47.29	≤54	PASS
				Peak	2310.000	-42.93	≤-21.20	52.27	≤74	PASS
				Peak	2340.300	-38.59	≤-21.20	56.61	≤74	PASS
				Peak	2390.000	-41.16	≤-21.20	54.04	≤74	PASS
		High	2462	AV	2483.500	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2493.240	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2500.000	-47.5	≤-41.20	47.70	≤54	PASS
				Peak	2483.500	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	2498.300	-38.46	≤-21.20	56.74	≤74	PASS
				Peak	2500.000	-40.45	≤-21.20	54.75	≤74	PASS
11N20SISO	Ant2	Low	2412	AV	2310.000	-48.5	≤-41.20	46.70	≤54	PASS
				AV	2386.450	-47.79	≤-41.20	47.41	≤54	PASS
				AV	2390.000	-47.84	≤-41.20	47.36	≤54	PASS
				Peak	2310.000	-40.73	≤-21.20	54.47	≤74	PASS
				Peak	2367.990	-38.56	≤-21.20	56.64	≤74	PASS
				Peak	2390.000	-41.78	≤-21.20	53.42	≤74	PASS
		High	2462	AV	2483.500	-47.52	≤-41.20	47.68	≤54	PASS
				AV	2486.420	-47.37	≤-41.20	47.83	≤54	PASS
				AV	2500.000	-47.54	≤-41.20	47.66	≤54	PASS
				Peak	2483.500	-41.94	≤-21.20	53.26	≤74	PASS
				Peak	2493.130	-38.75	≤-21.20	56.45	≤74	PASS
				Peak	2500.000	-41.15	≤-21.20	54.05	≤74	PASS
11N40SISO	Ant2	Low	2422	AV	2310.000	-48.34	≤-41.20	46.86	≤54	PASS
				AV	2388.010	-47.39	≤-41.20	47.81	≤54	PASS
				AV	2390.000	-47.52	≤-41.20	47.68	≤54	PASS
				Peak	2310.000	-42.46	≤-21.20	52.74	≤74	PASS



		High	2452	Peak	2344.720	-38.89	≤-21.20	56.31	≤74	PASS
				Peak	2390.000	-39.76	≤-21.20	55.44	≤74	PASS
				AV	2483.500	-47.09	≤-41.20	48.11	≤54	PASS
				AV	2485.430	-46.93	≤-41.20	48.27	≤54	PASS
				AV	2500.000	-47.29	≤-41.20	47.91	≤54	PASS
				Peak	2483.500	-41.28	≤-21.20	53.92	≤74	PASS
				Peak	2497.860	-38.02	≤-21.20	57.18	≤74	PASS
				Peak	2500.000	-41.17	≤-21.20	54.03	≤74	PASS

Note:

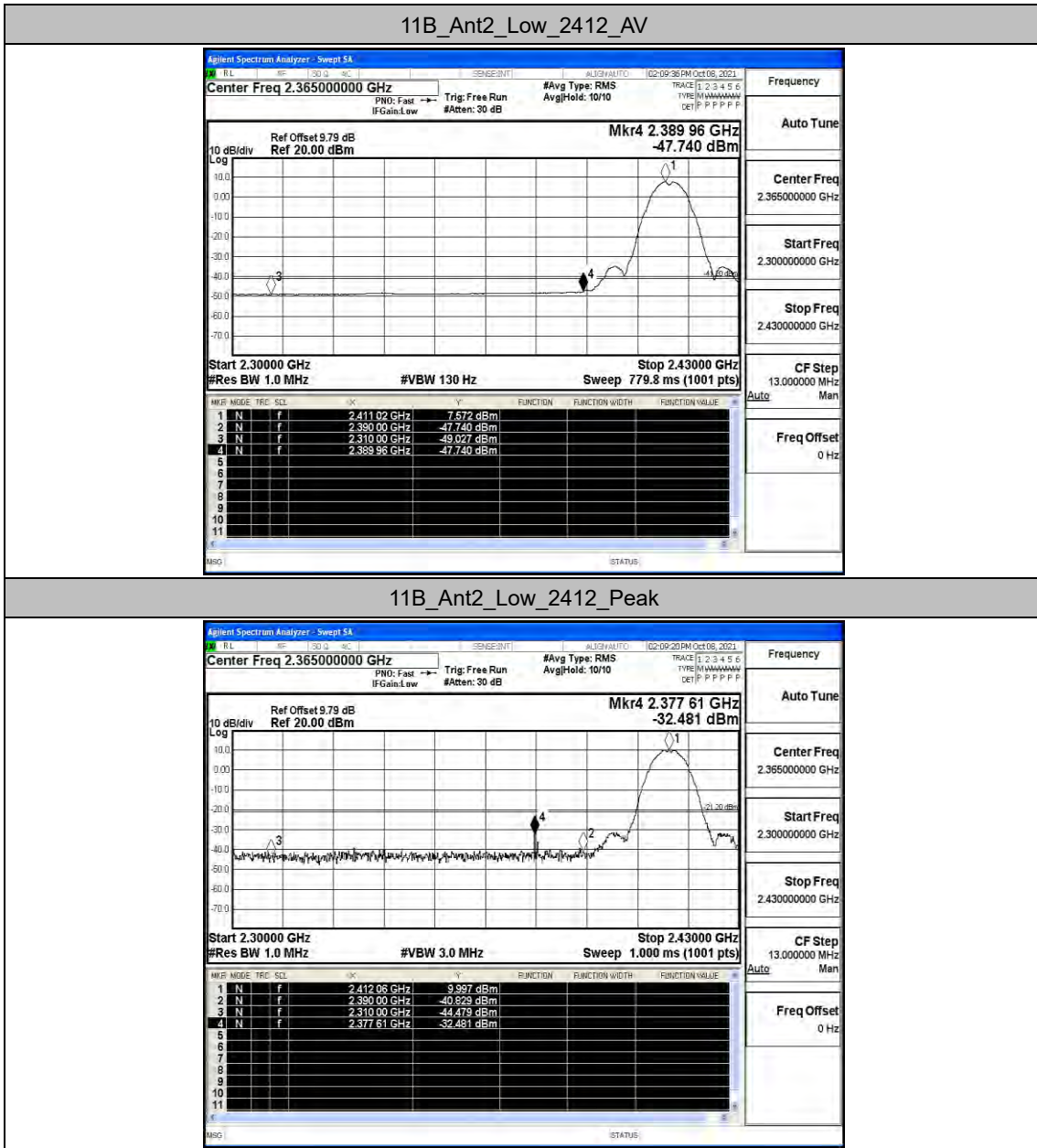
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

**MIMO**

Test Mode	Channel	Detector	Frequency (MHz)	Result [dBm]			Limit [dBm]	Result [dBuV/m]	Limit (dBuV/m)	Verdict
				Ant1	Ant2	Sum				
11N20 MIMO	2412	AV	2310.0	-48.72	-48.5	-45.60	≤-41.20	49.60	54	PASS
		AV	2390.0	-48.18	-47.84	-45.00	≤-41.20	50.20	54	PASS
		Peak	2310.0	-42.24	-40.73	-38.41	≤-21.20	56.79	74	PASS
		Peak	2390.0	-40.15	-41.78	-37.88	≤-21.20	57.32	74	PASS
	2462	AV	2483.5	-47.89	-47.52	-44.69	≤-41.20	50.51	54	PASS
		AV	2500.0	-47.79	-47.54	-44.65	≤-41.20	50.55	54	PASS
		Peak	2483.5	-42.21	-41.94	-39.06	≤-21.20	56.14	74	PASS
		Peak	2500.0	-38.49	-41.15	-36.61	≤-21.20	58.59	74	PASS
11N40 MIMO	2422	AV	2310.0	-48.62	-48.34	-45.47	≤-41.20	49.73	54	PASS
		AV	2390.0	-47.31	-47.52	-44.40	≤-41.20	50.80	54	PASS
		Peak	2310.0	-42.33	-42.46	-39.38	≤-21.20	55.82	74	PASS
		Peak	2390.0	-39.3	-39.76	-36.51	≤-21.20	58.69	74	PASS
	2452	AV	2483.5	-46.9	-47.09	-43.98	≤-41.20	51.22	54	PASS
		AV	2500.0	-47.34	-47.29	-44.30	≤-41.20	50.90	54	PASS
		Peak	2483.5	-40.67	-41.28	-37.95	≤-21.20	57.25	74	PASS
		Peak	2500.0	-41.39	-41.17	-38.27	≤-21.20	56.93	74	PASS



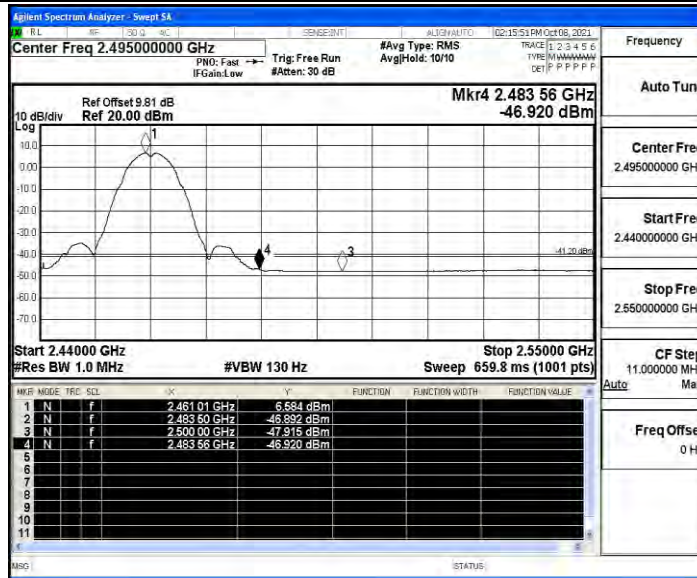
### Test Graphs



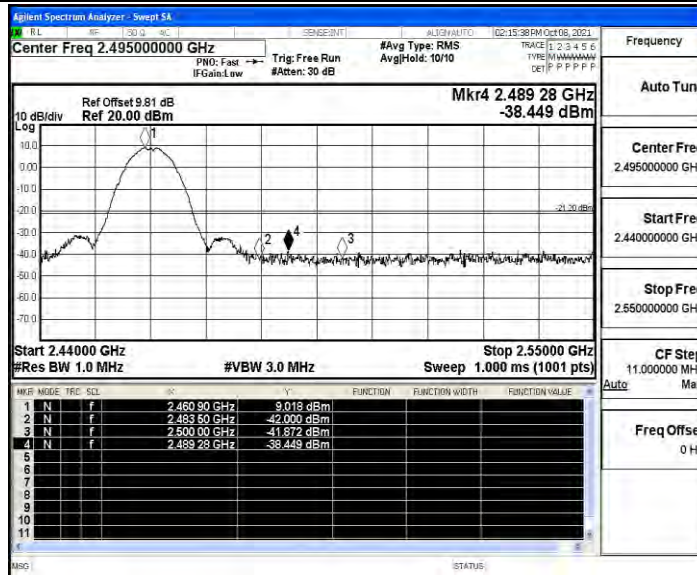




11B\_Ant2\_High\_2462\_AV

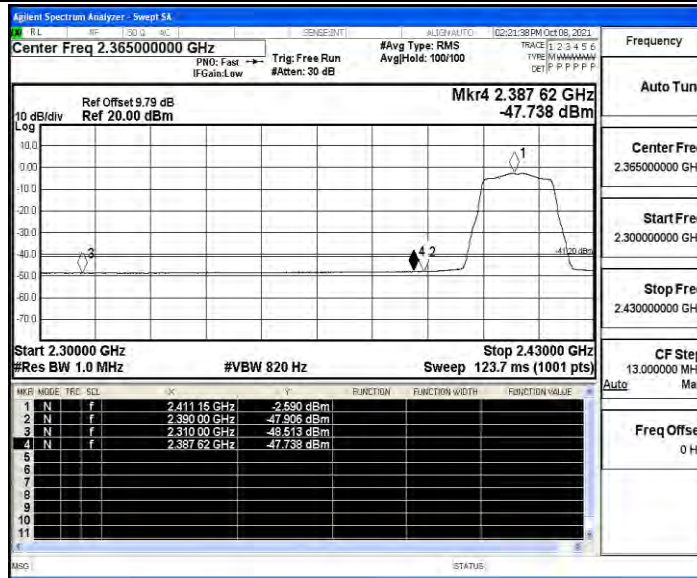


11B\_Ant2\_High\_2462\_Peak

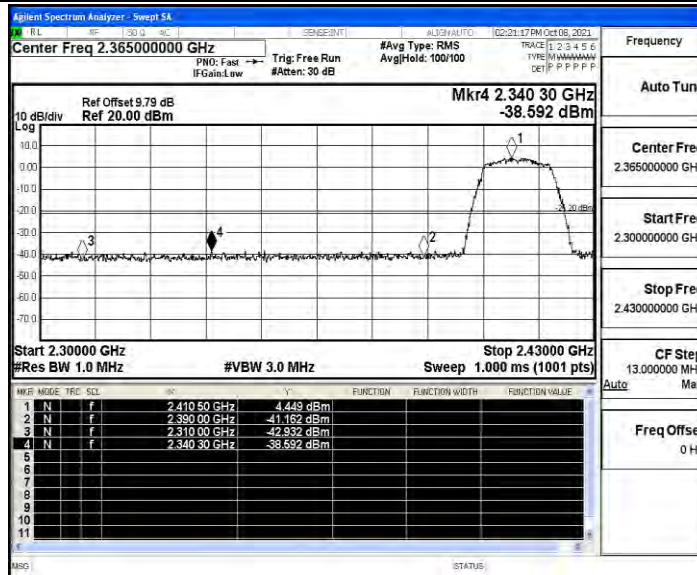




11G\_Ant2\_Low\_2412\_AV

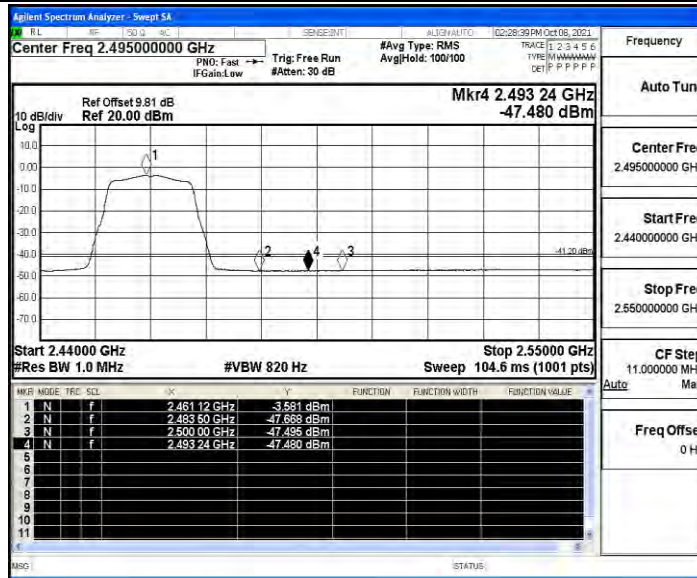


11G\_Ant2\_Low\_2412\_Peak

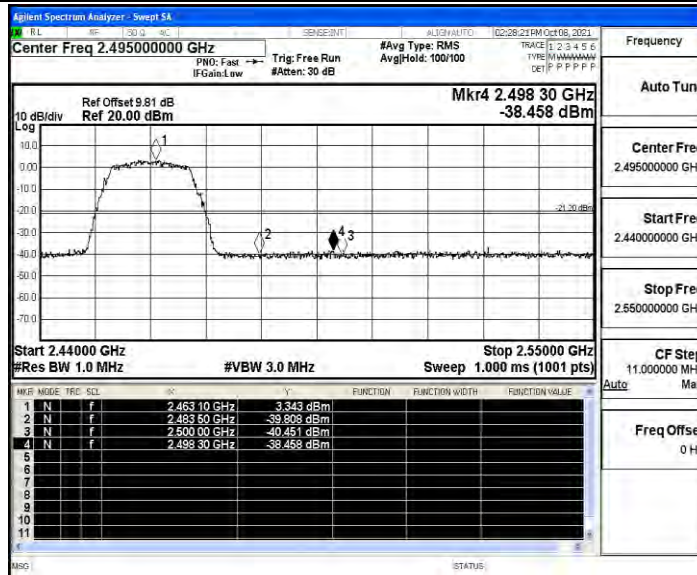




11G\_Ant2\_High\_2462\_AV

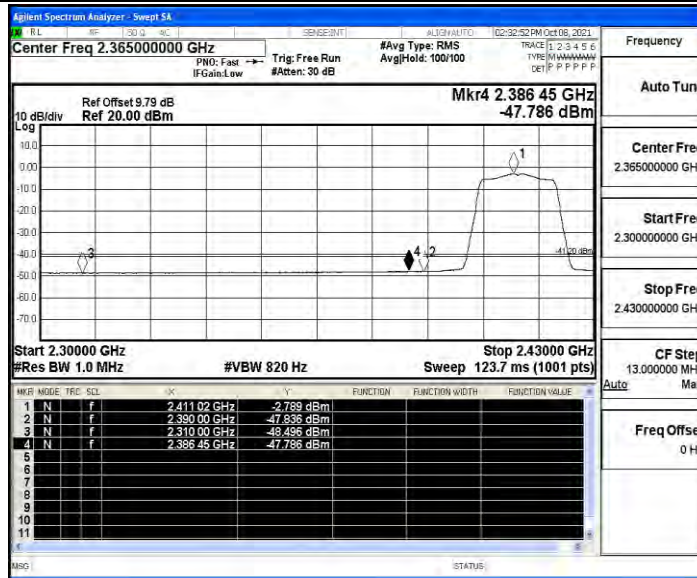


11G\_Ant2\_High\_2462\_Peak

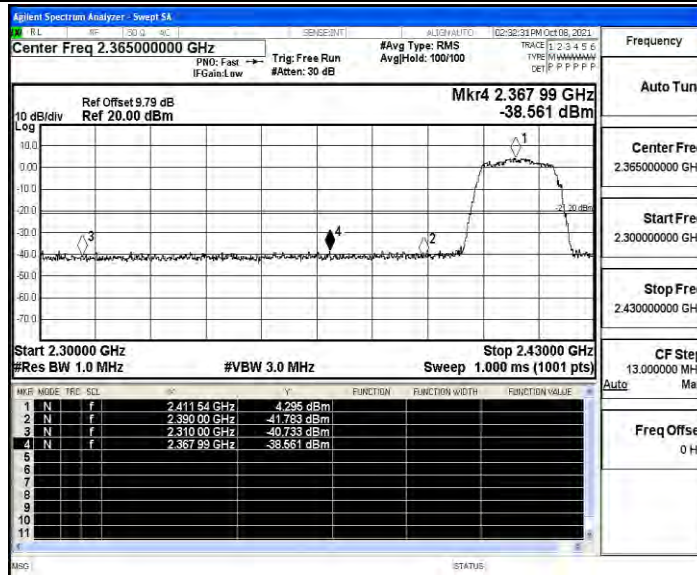




11N20SISO\_Ant2\_Low\_2412\_AV



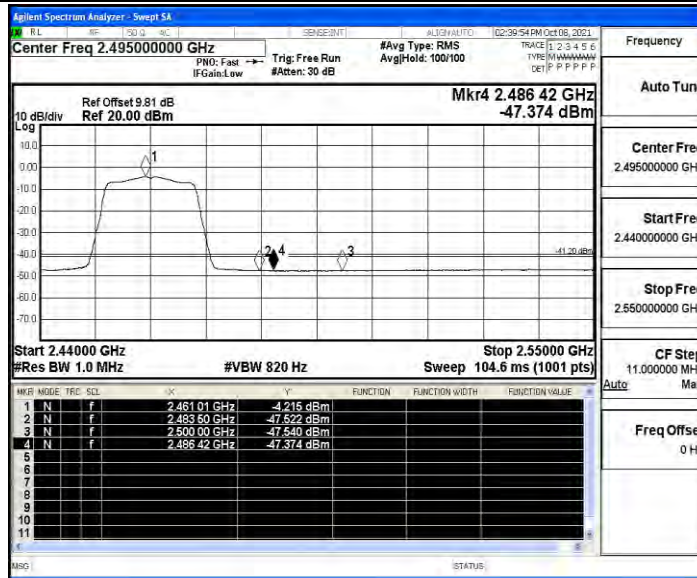
11N20SISO\_Ant2\_Low\_2412\_Peak



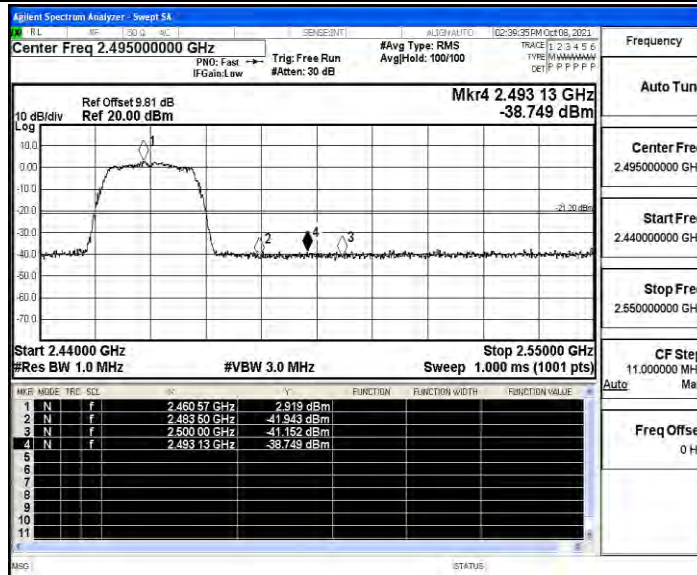




11N20SISO\_Ant2\_High\_2462\_AV



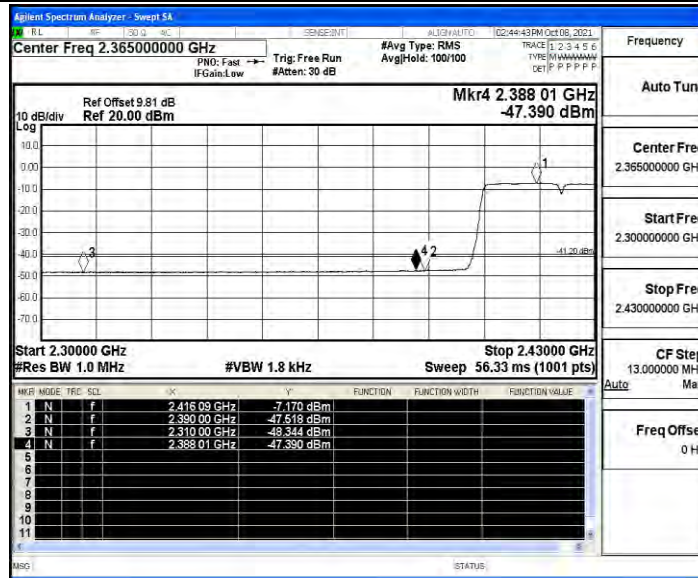
11N20SISO\_Ant2\_High\_2462\_Peak



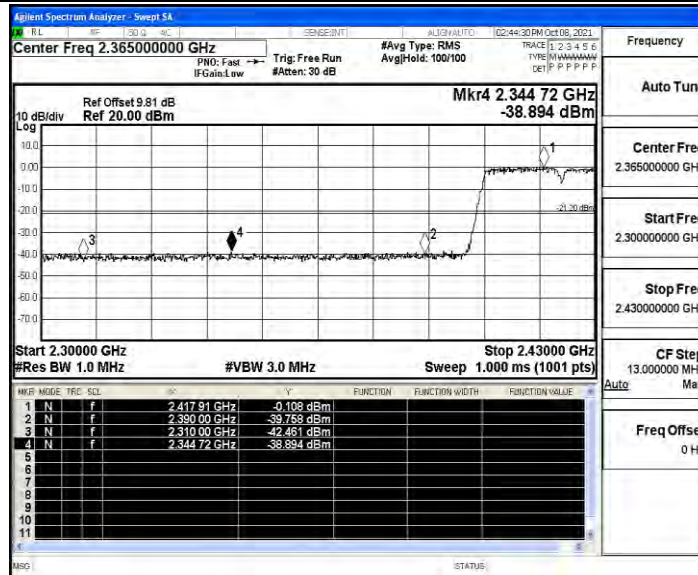




11N40SISO\_Ant2\_Low\_2422\_AV

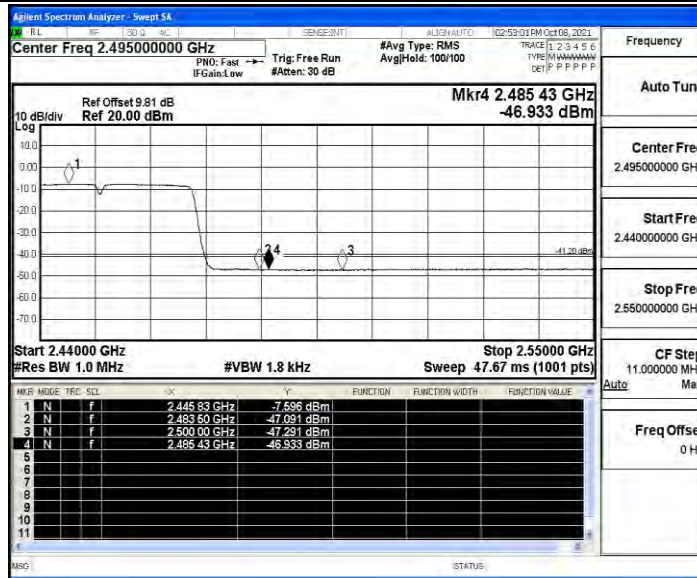


11N40SISO\_Ant2\_Low\_2422\_Peak





11N40SISO\_Ant2\_High\_2452\_AV



11N40SISO\_Ant2\_High\_2452\_Peak

