



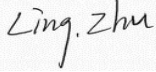

## Appendix C

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

Product Name: Tablet

Test Model: 10LA1

#### Environmental Conditions

Temperature:	22.5°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	 Ling Zhu
Supervised by:	 Li Huan



## C.1 DTS Bandwidth

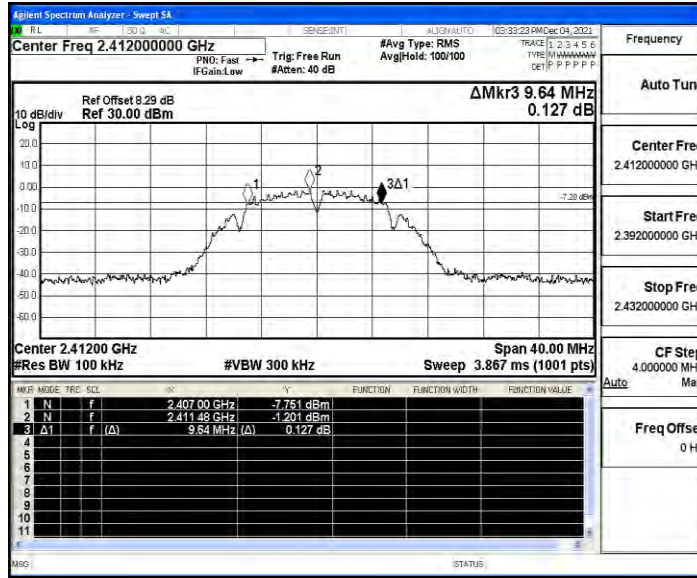
### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.640	2407.000	2416.640	0.5	PASS
		2437	9.200	2432.400	2441.600	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.240	2429.000	2445.240	0.5	PASS
		2462	15.840	2453.760	2469.600	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.400	2428.440	2445.840	0.5	PASS
		2462	16.440	2453.160	2469.600	0.5	PASS
11N40SISO	Ant1	2422	35.840	2404.400	2440.240	0.5	PASS
		2437	35.600	2419.400	2455.000	0.5	PASS
		2452	35.600	2434.000	2469.600	0.5	PASS

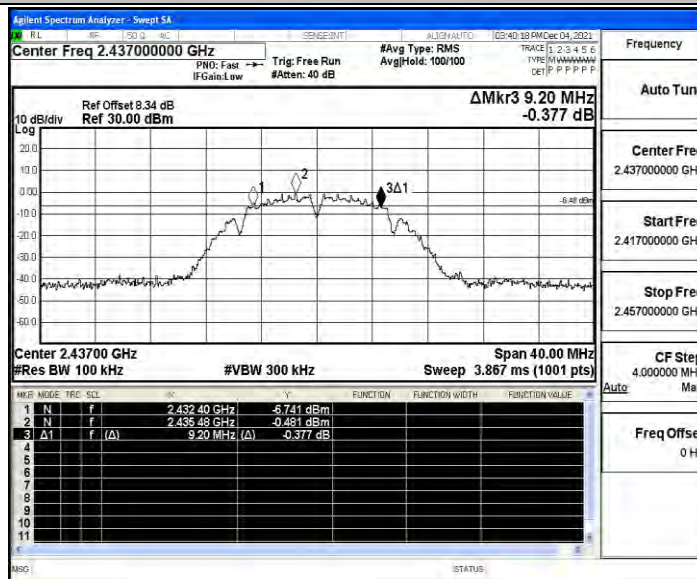


### Test Graphs

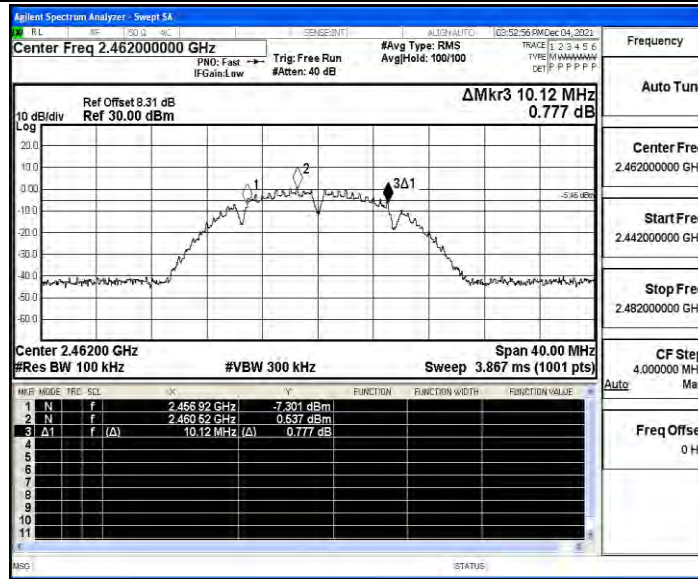
11B\_Ant1\_2412



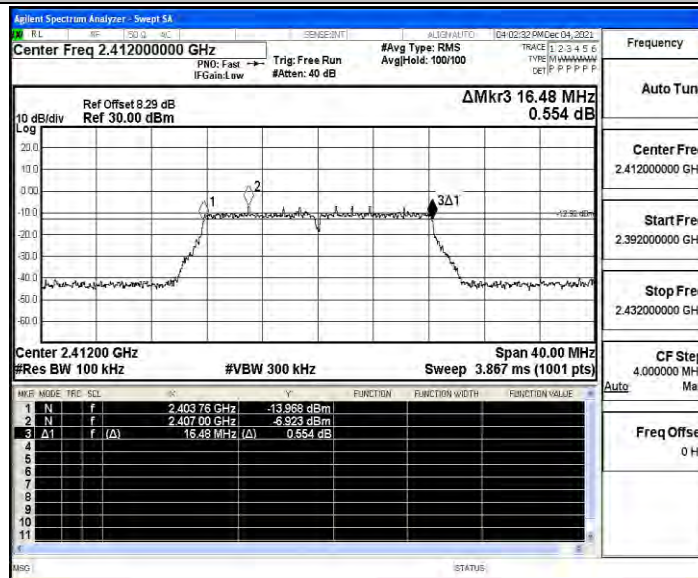
11B\_Ant1\_2437



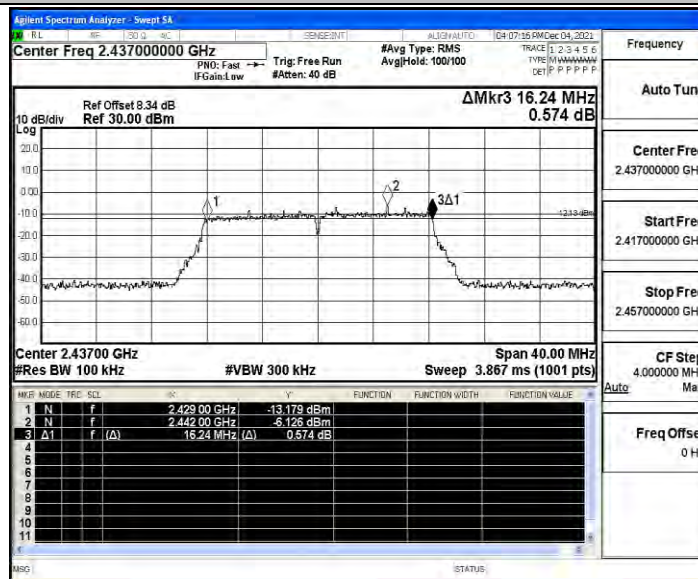
11B\_Ant1\_2462



11G\_Ant1\_2412

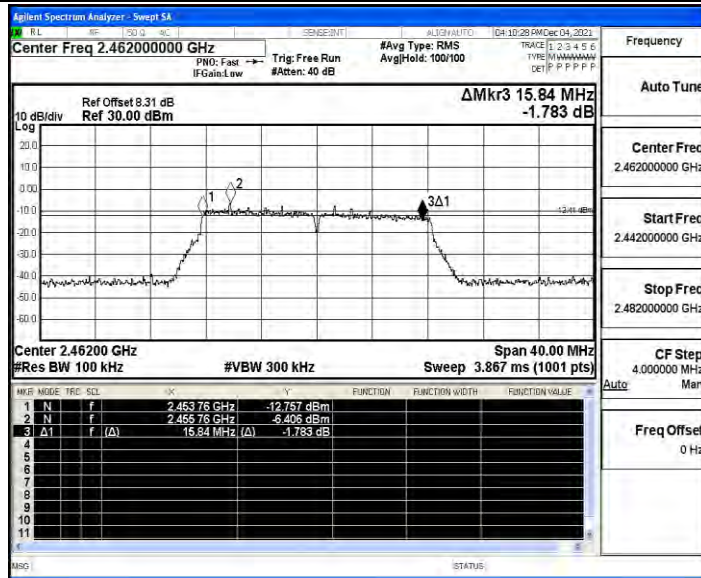


11G\_Ant1\_2437

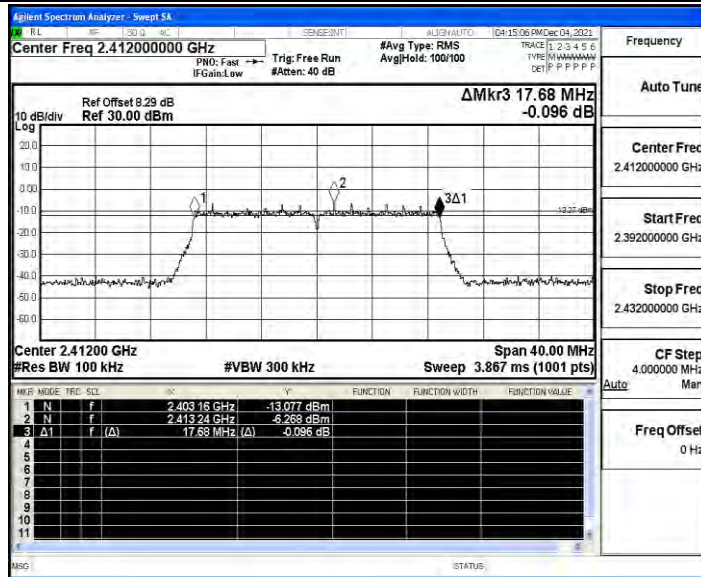




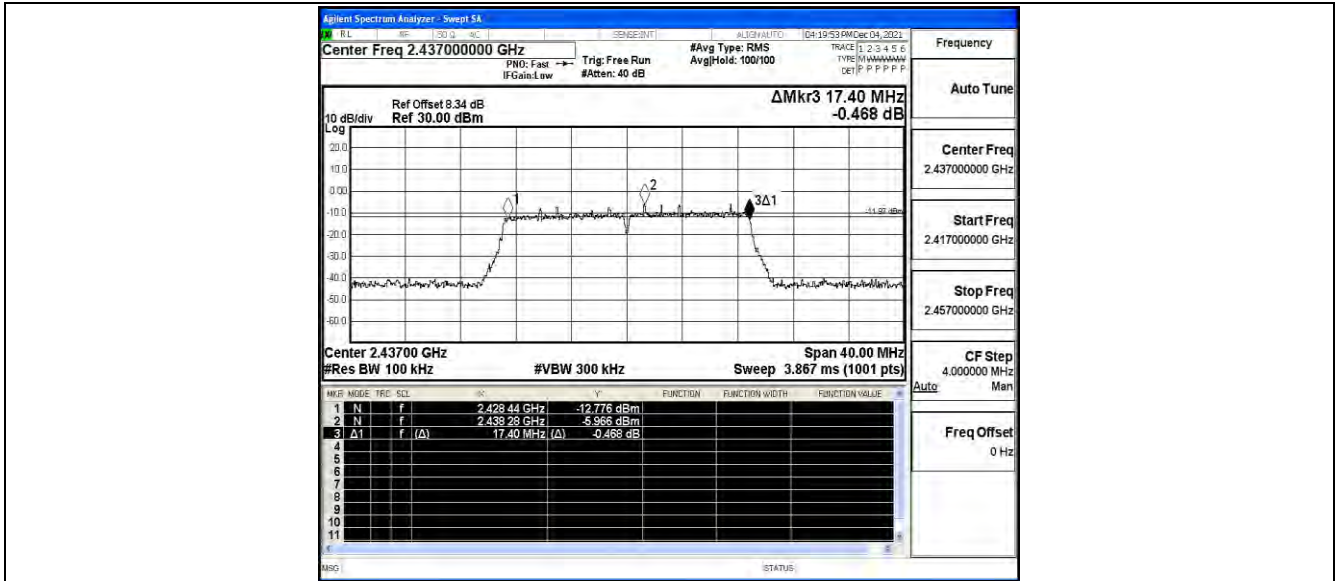
### 11G\_Ant1\_2462



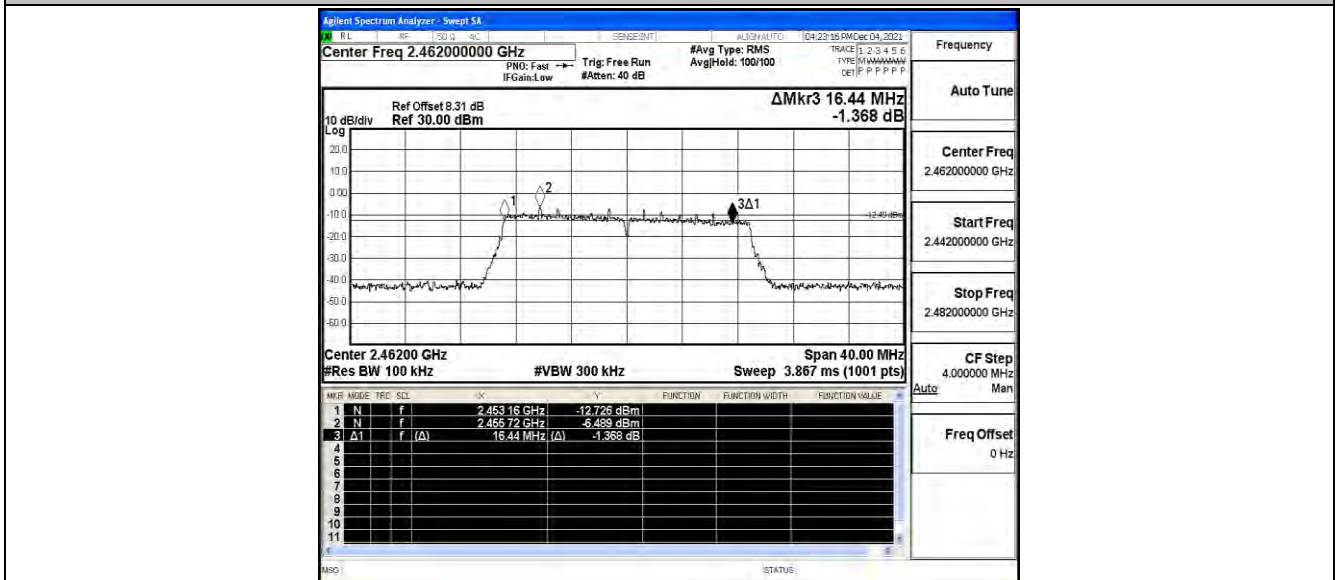
### 11N20SISO\_Ant1\_2412



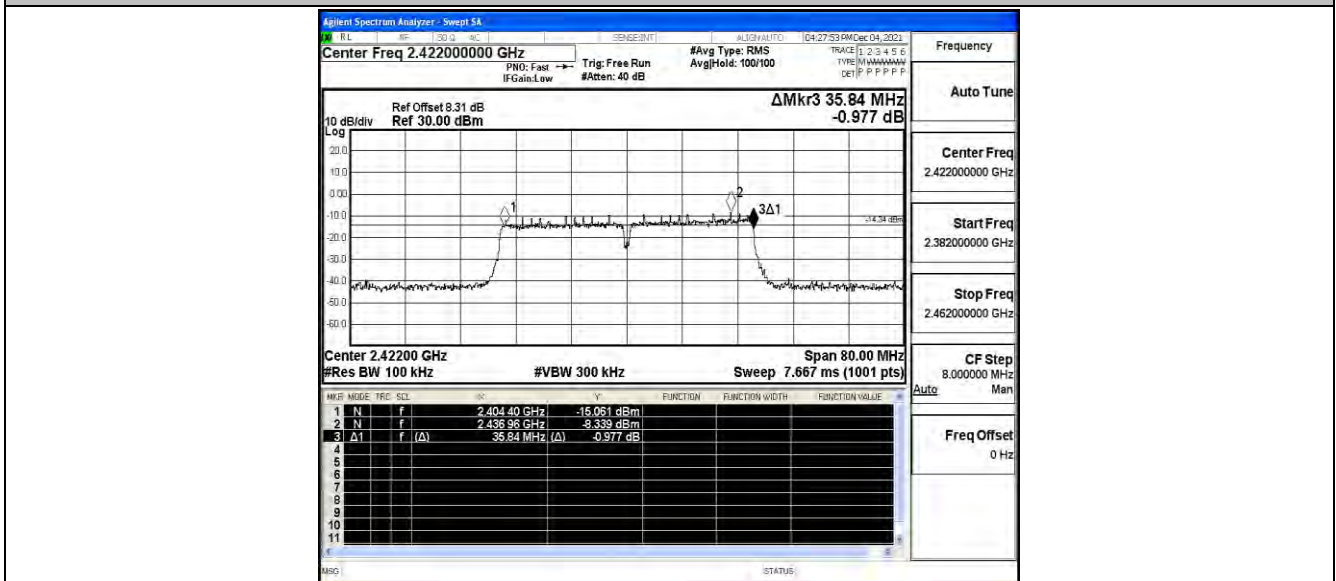
### 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

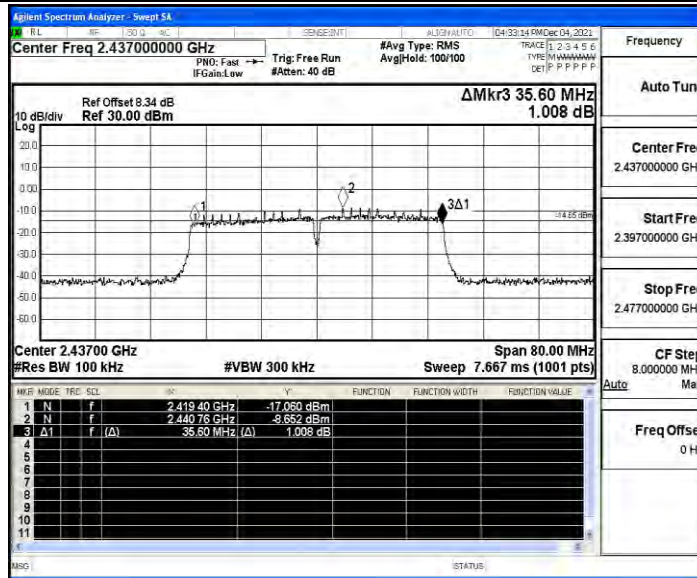


11N40SISO\_Ant1\_2422

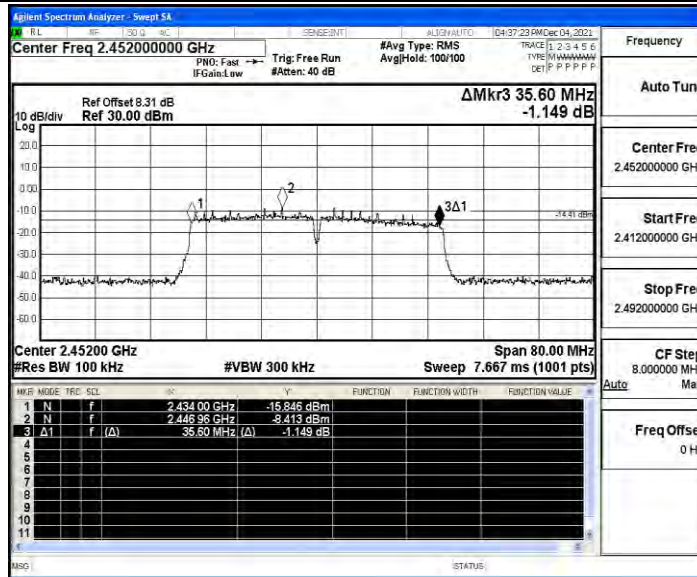




### 11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452





## C.2 Maximum peak conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	12.89	≤30	PASS
		2437	12.24	≤30	PASS
		2462	12.87	≤30	PASS
11G	Ant1	2412	12.01	≤30	PASS
		2437	12.08	≤30	PASS
		2462	12.26	≤30	PASS
11N20SISO	Ant1	2412	12.19	≤30	PASS
		2437	12.09	≤30	PASS
		2462	12.41	≤30	PASS
11N40SISO	Ant1	2422	12.37	≤30	PASS
		2437	13.25	≤30	PASS
		2452	12.17	≤30	PASS





## C.3 Maximum power spectral density

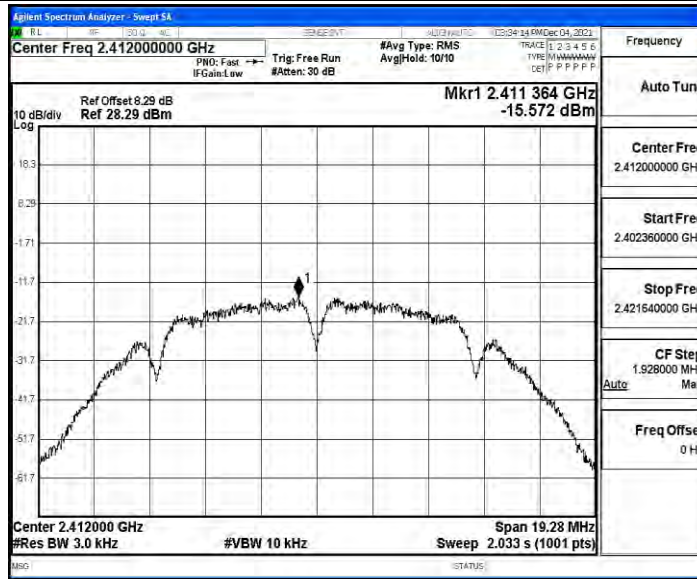
### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.57	≤8	PASS
		2437	-15.32	≤8	PASS
		2462	-13.67	≤8	PASS
11G	Ant1	2412	-20.25	≤8	PASS
		2437	-20.17	≤8	PASS
		2462	-19.97	≤8	PASS
11N20SISO	Ant1	2412	-20.16	≤8	PASS
		2437	-20.04	≤8	PASS
		2462	-19.88	≤8	PASS
11N40SISO	Ant1	2422	-21.57	≤8	PASS
		2437	-22.71	≤8	PASS
		2452	-21.26	≤8	PASS

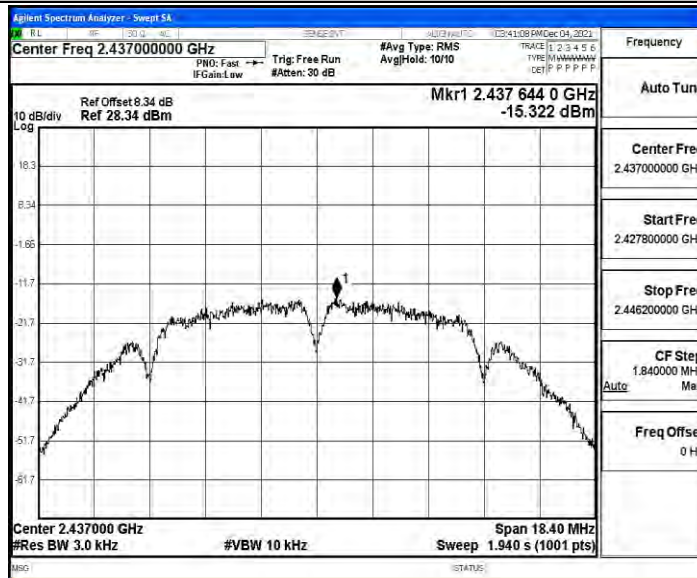


### Test Graphs

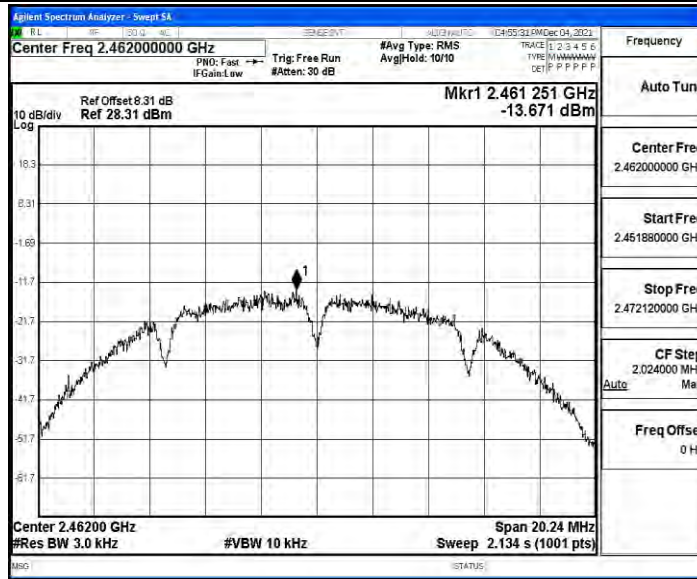
11B\_Ant1\_2412



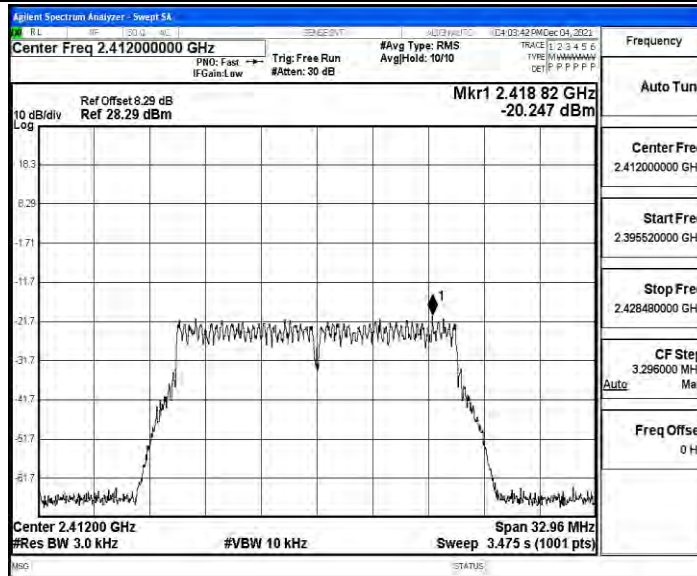
11B\_Ant1\_2437



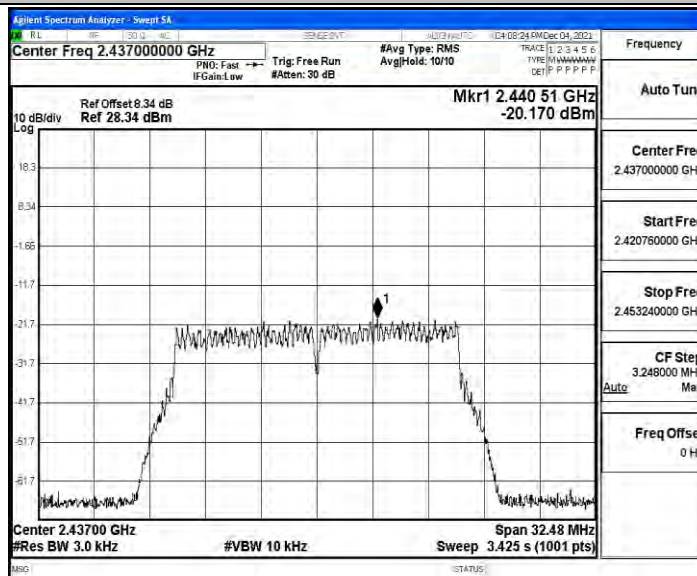
11B\_Ant1\_2462



11G\_Ant1\_2412

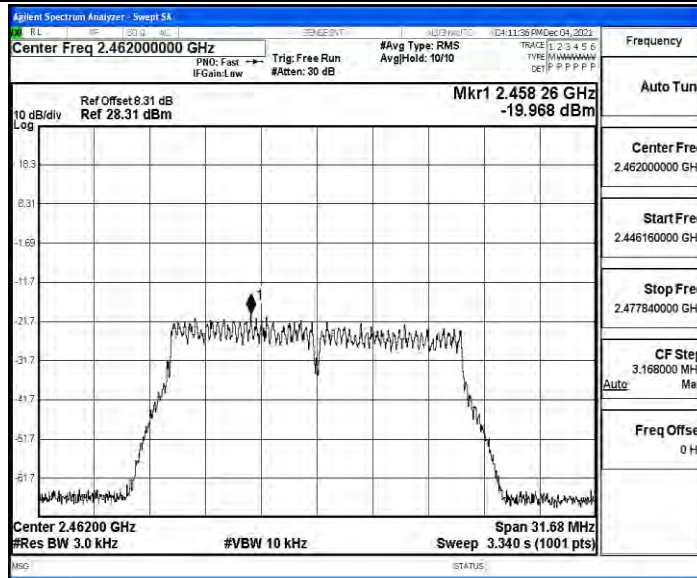


11G\_Ant1\_2437

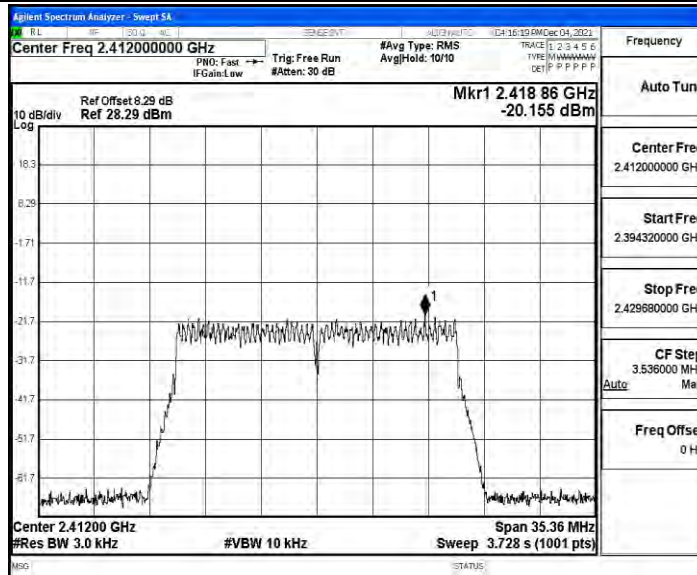




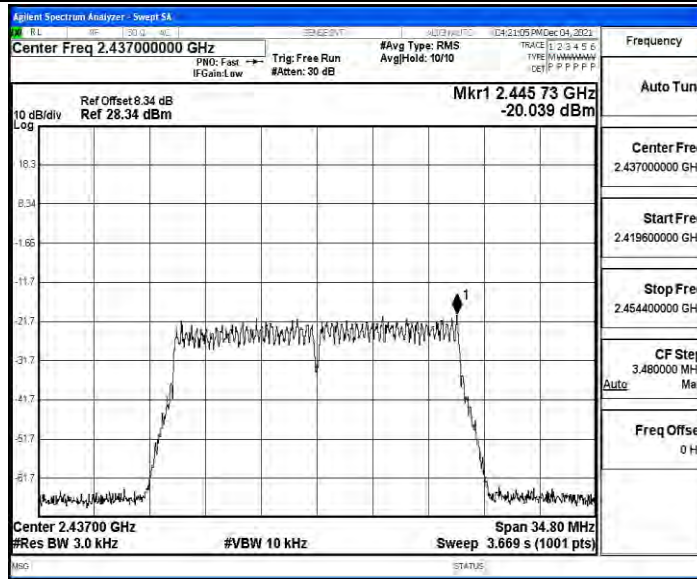
### 11G\_Ant1\_2462



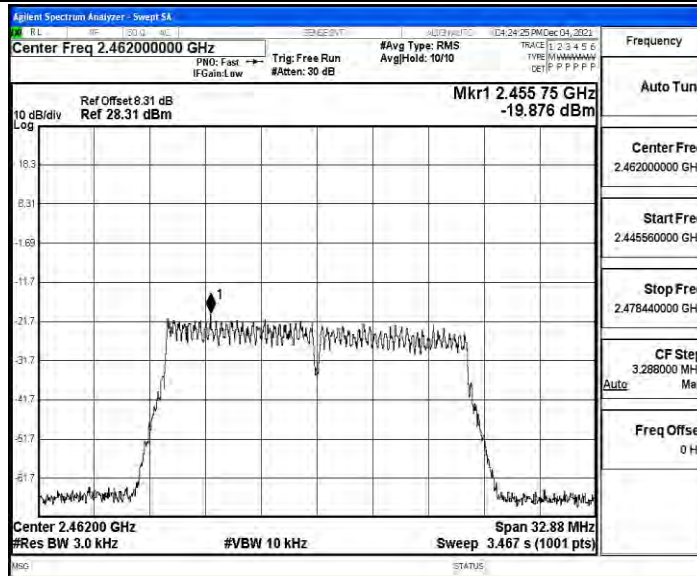
### 11N20SISO\_Ant1\_2412



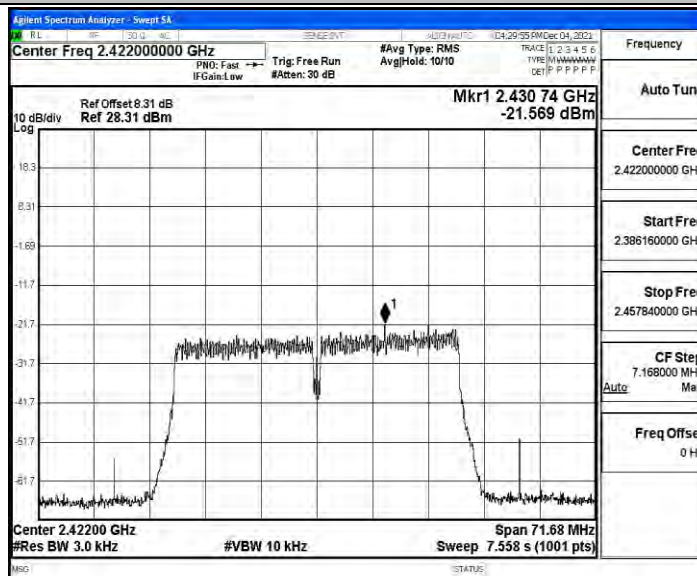
### 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

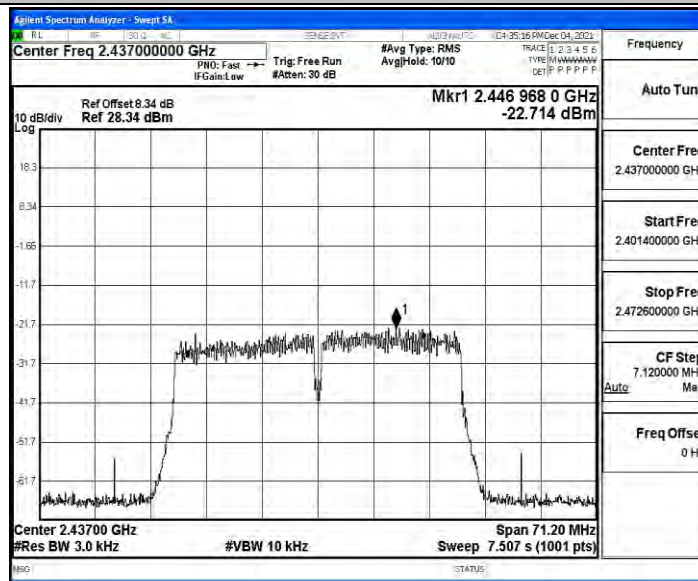


11N40SISO\_Ant1\_2422

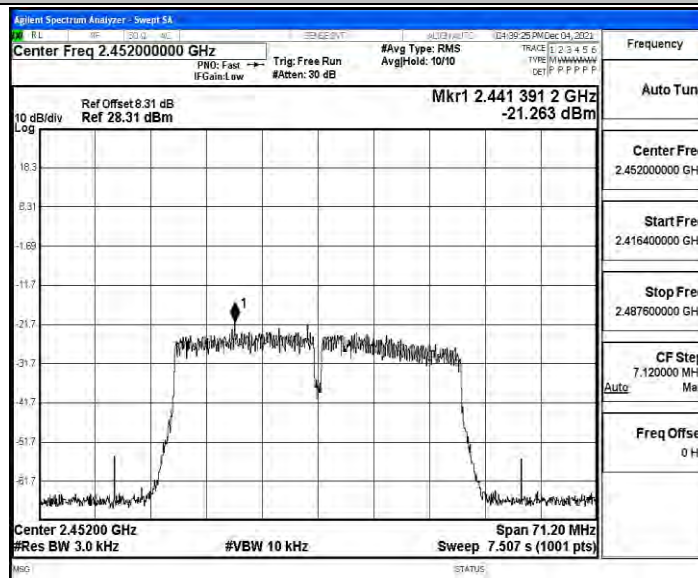




### 11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452





## C.4 Band edge measurements

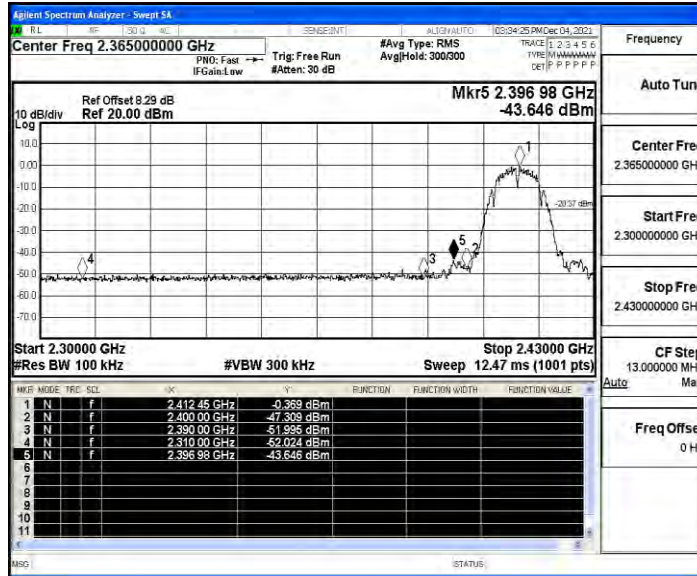
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.37	-43.65	≤-20.37	PASS
		High	2462	1.18	-47.85	≤-18.83	PASS
11G	Ant1	Low	2412	-6.32	-49.46	≤-26.32	PASS
		High	2462	-5.88	-47.79	≤-25.88	PASS
11N20SISO	Ant1	Low	2412	-6.13	-49.11	≤-26.13	PASS
		High	2462	-6.27	-48.5	≤-26.27	PASS
11N40SISO	Ant1	Low	2422	-9.29	-48.56	≤-29.29	PASS
		High	2452	-8.30	-48.06	≤-28.3	PASS

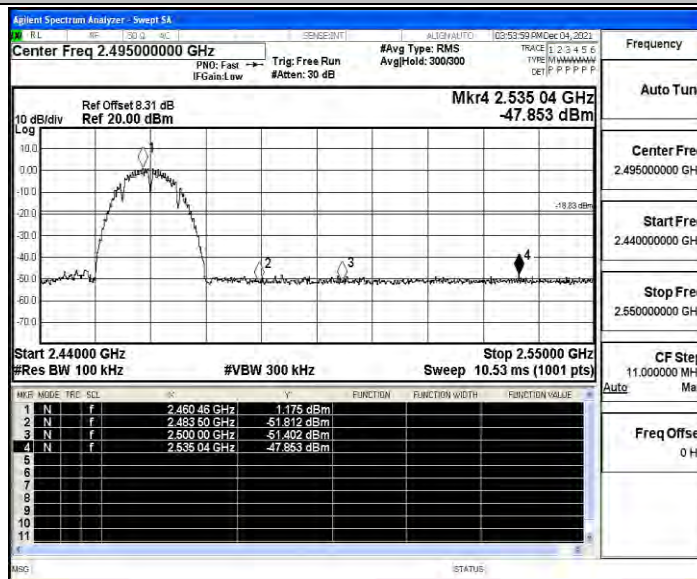


### Test Graphs

#### 11B\_Ant1\_Low\_2412

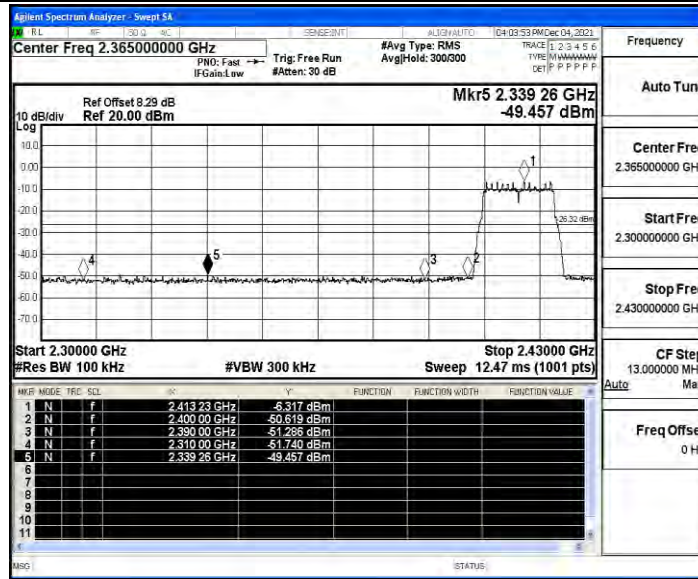


#### 11B\_Ant1\_High\_2462

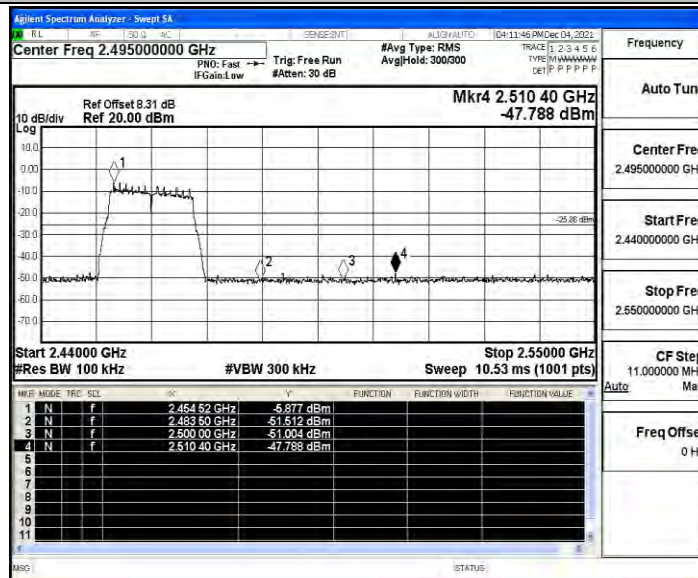


#### 11G\_Ant1\_Low\_2412

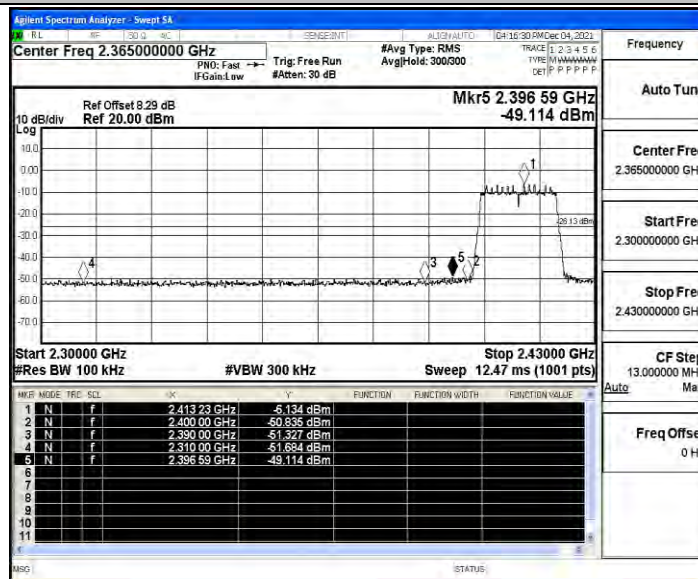




11G\_Ant1\_High\_2462

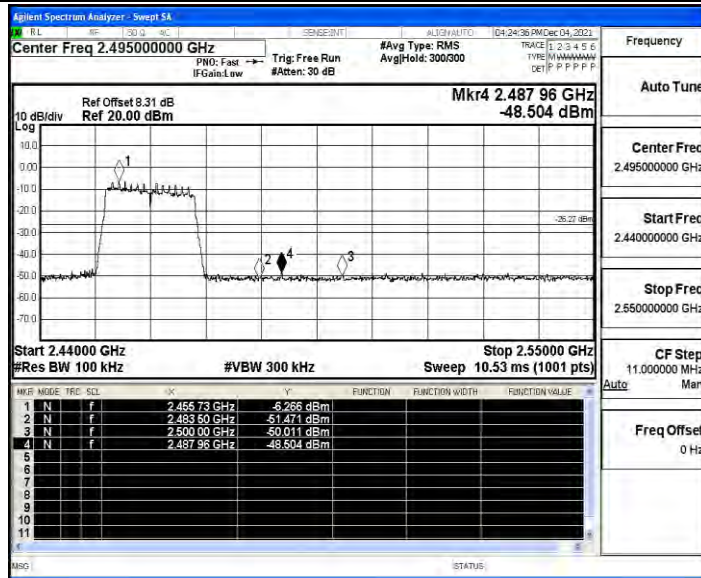


11N20SISO\_Ant1\_Low\_2412

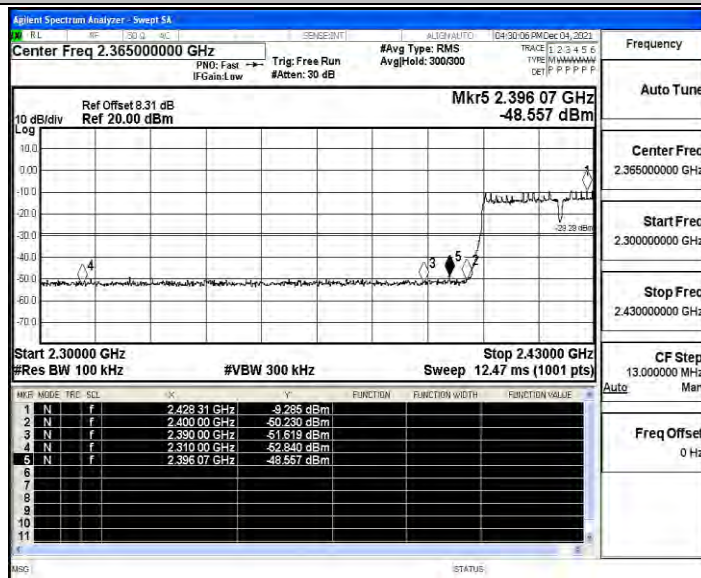




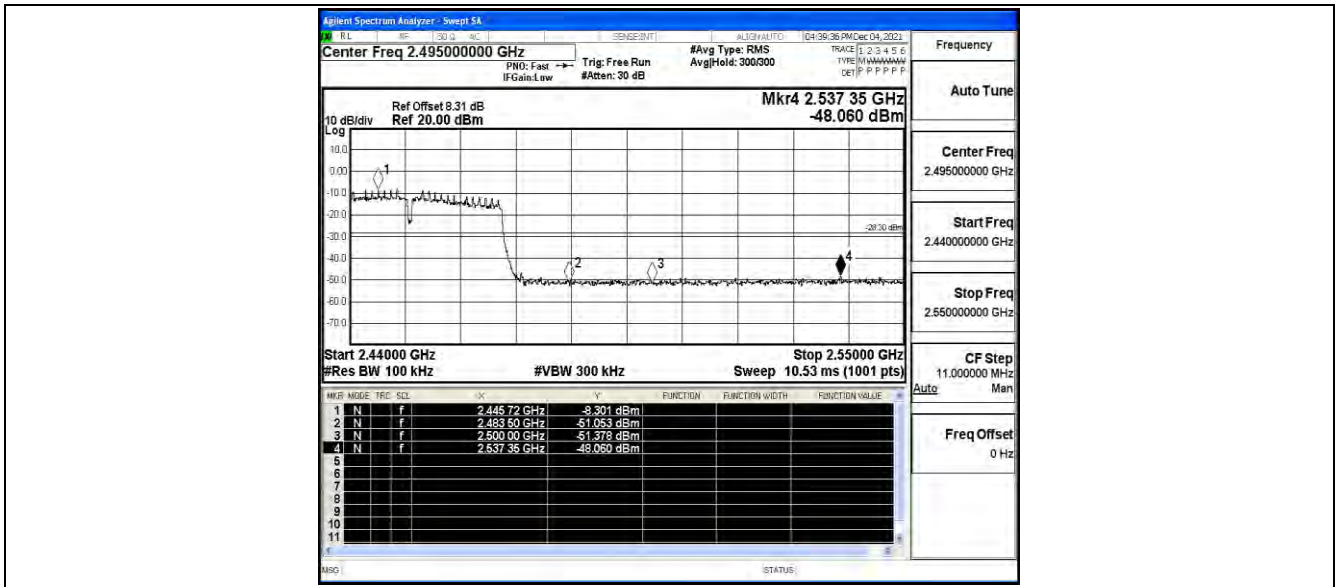
11N20SISO\_Ant1\_High\_2462



11N40SISO\_Ant1\_Low\_2422



11N40SISO\_Ant1\_High\_2452





## C.5 Conducted Spurious Emission

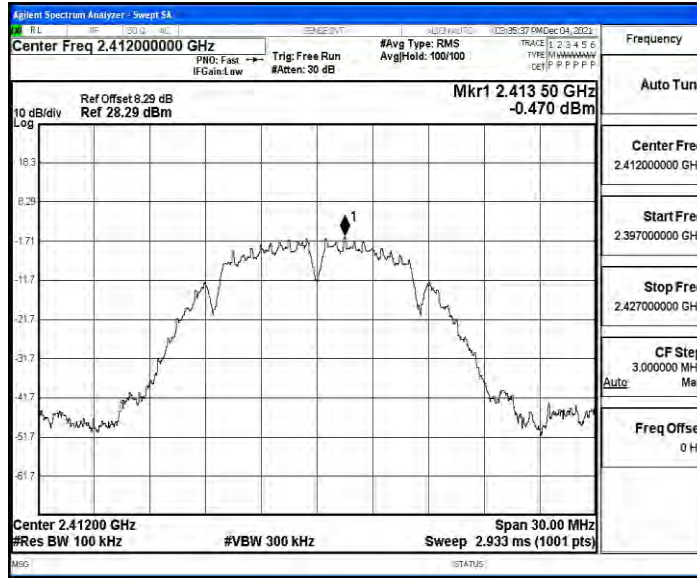
### Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-61.25	≤-20.47	PASS
			1000~26500	-0.47	-47.14	≤-20.47	PASS
		2437	Reference	-0.95	-0.95	---	PASS
			30~1000	-0.95	-61.68	≤-20.95	PASS
			1000~26500	-0.95	-46.53	≤-20.95	PASS
		2462	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-61.16	≤-19.02	PASS
			1000~26500	0.98	-46.81	≤-19.02	PASS
11G	Ant1	2412	Reference	-6.95	-6.95	---	PASS
			30~1000	-6.95	-61.42	≤-26.95	PASS
			1000~26500	-6.95	-46.19	≤-26.95	PASS
		2437	Reference	-6.33	-6.33	---	PASS
			30~1000	-6.33	-61.65	≤-26.33	PASS
			1000~26500	-6.33	-46.42	≤-26.33	PASS
		2462	Reference	-6.38	-6.38	---	PASS
			30~1000	-6.38	-61.54	≤-26.38	PASS
			1000~26500	-6.38	-46.63	≤-26.38	PASS
11N20SISO	Ant1	2412	Reference	-6.69	-6.69	---	PASS
			30~1000	-6.69	-61.64	≤-26.69	PASS
			1000~26500	-6.69	-46.52	≤-26.69	PASS
		2437	Reference	-6.06	-6.06	---	PASS
			30~1000	-6.06	-61.57	≤-26.06	PASS
			1000~26500	-6.06	-46.6	≤-26.06	PASS
		2462	Reference	-6.33	-6.33	---	PASS
			30~1000	-6.33	-61.08	≤-26.33	PASS
			1000~26500	-6.33	-46.77	≤-26.33	PASS
11N40SISO	Ant1	2422	Reference	-8.42	-8.42	---	PASS
			30~1000	-8.42	-60.17	≤-28.42	PASS
			1000~26500	-8.42	-45.27	≤-28.42	PASS
		2437	Reference	-8.67	-8.67	---	PASS
			30~1000	-8.67	-42.66	≤-28.67	PASS
			1000~26500	-8.67	-46.26	≤-28.67	PASS
		2452	Reference	-8.43	-8.43	---	PASS
			30~1000	-8.43	-60.9	≤-28.43	PASS
			1000~26500	-8.43	-46.62	≤-28.43	PASS

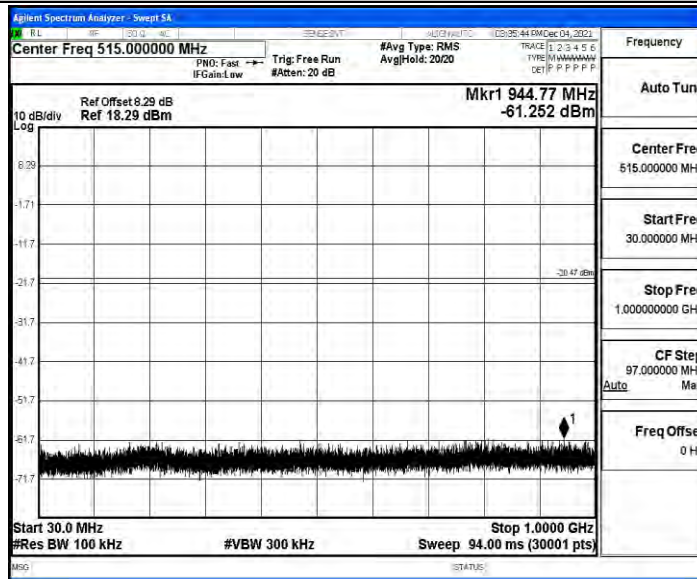


### Test Graphs

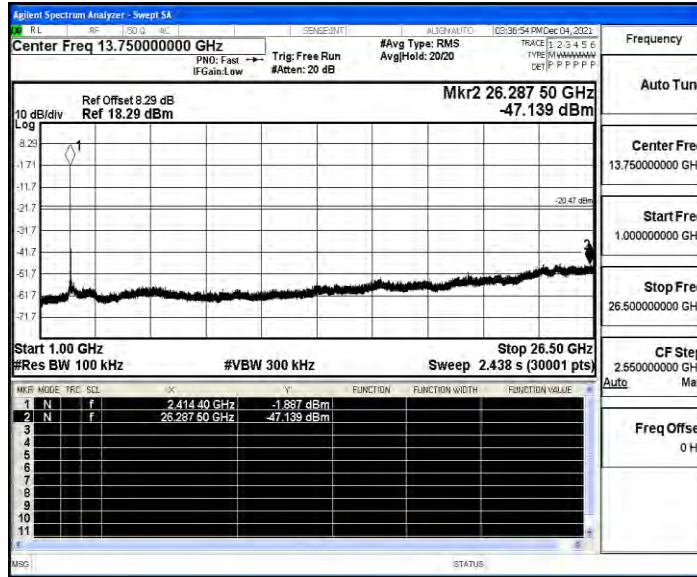
11B\_Ant1\_2412\_0~Reference



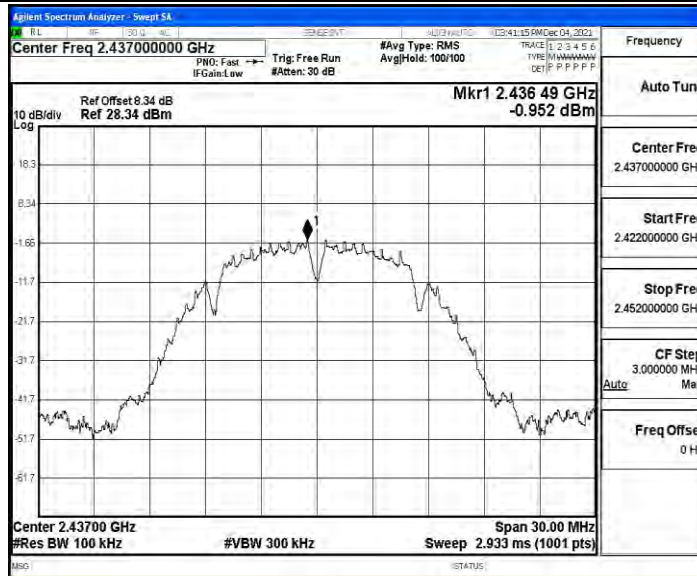
11B\_Ant1\_2412\_30~1000



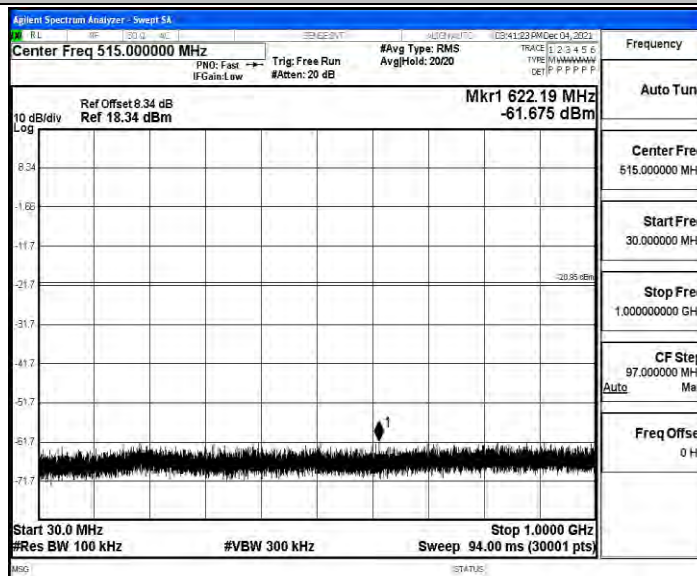
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference

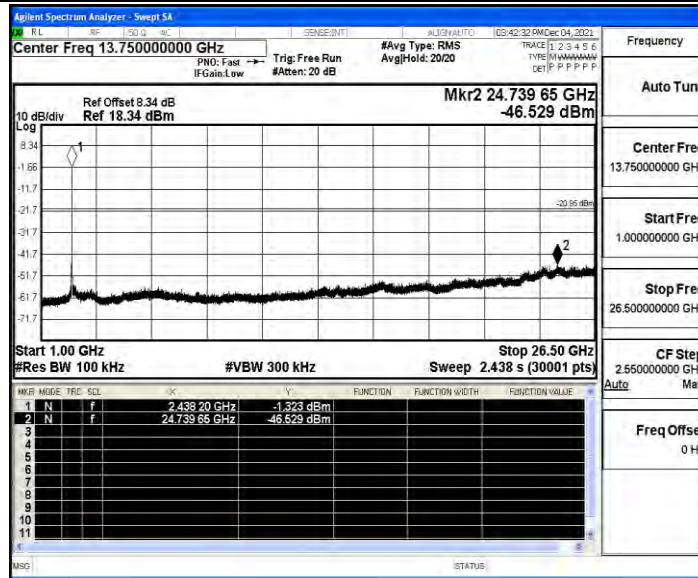


11B\_Ant1\_2437\_30~1000

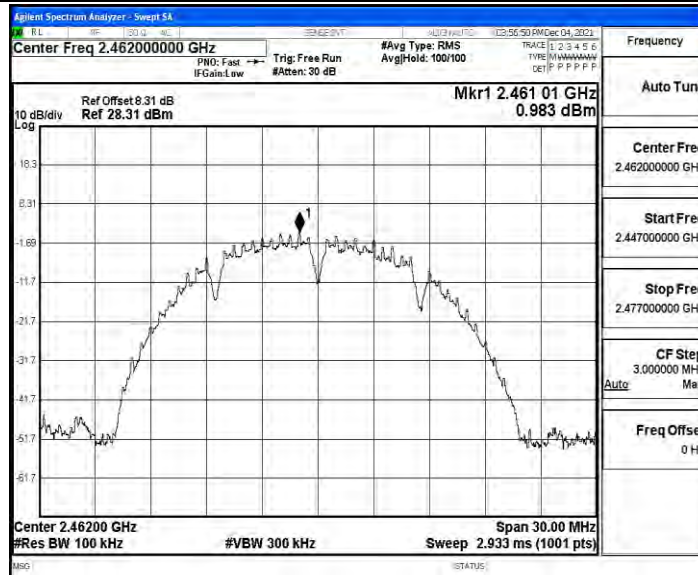




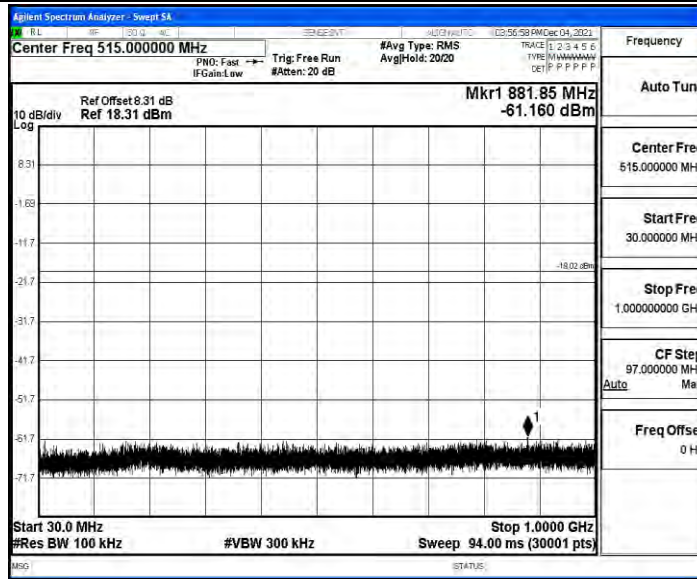
11B\_Ant1\_2437\_1000~26500



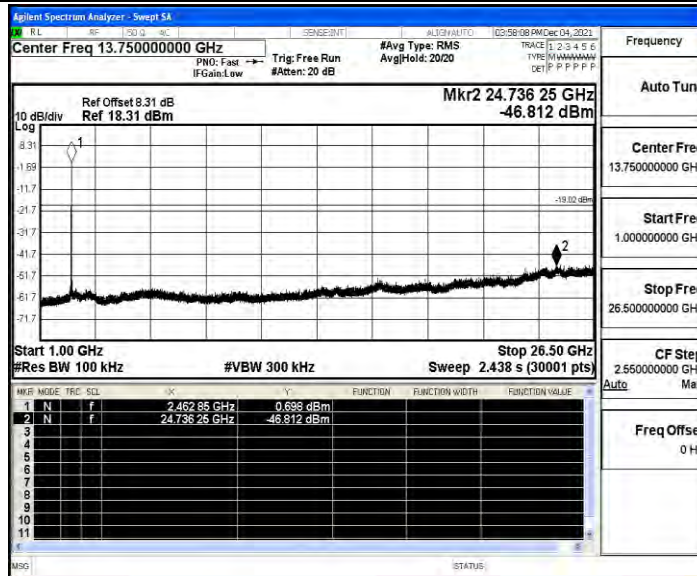
11B\_Ant1\_2462\_0~Reference



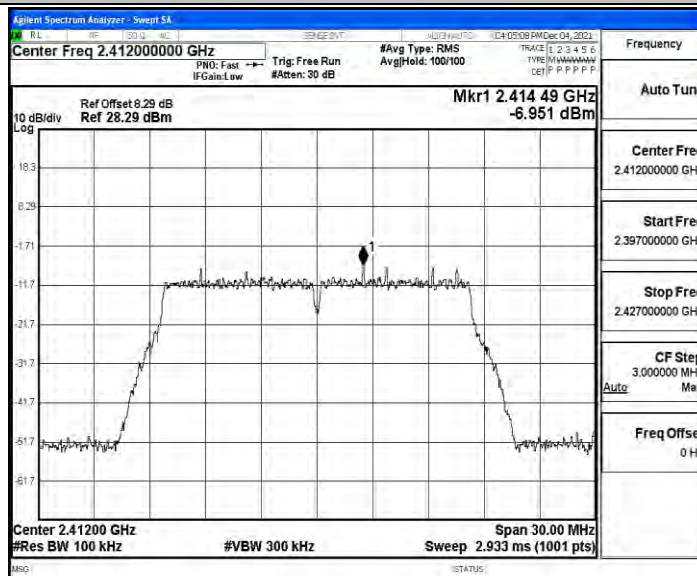
11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500



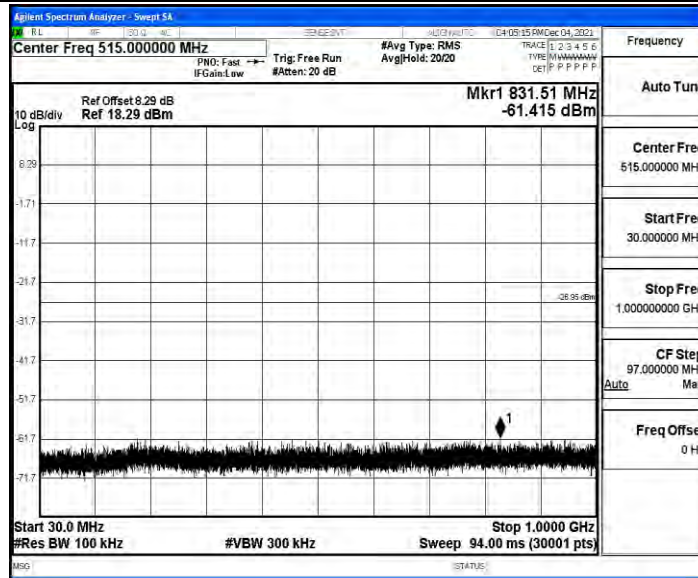
11G\_Ant1\_2412\_0~Reference



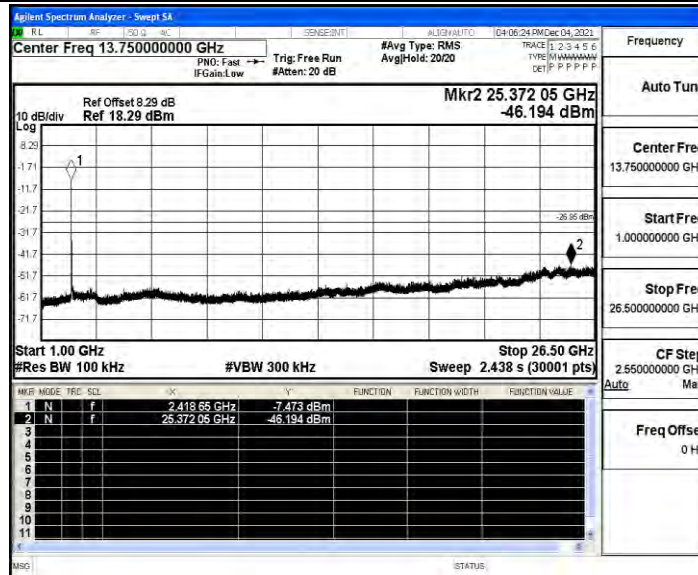




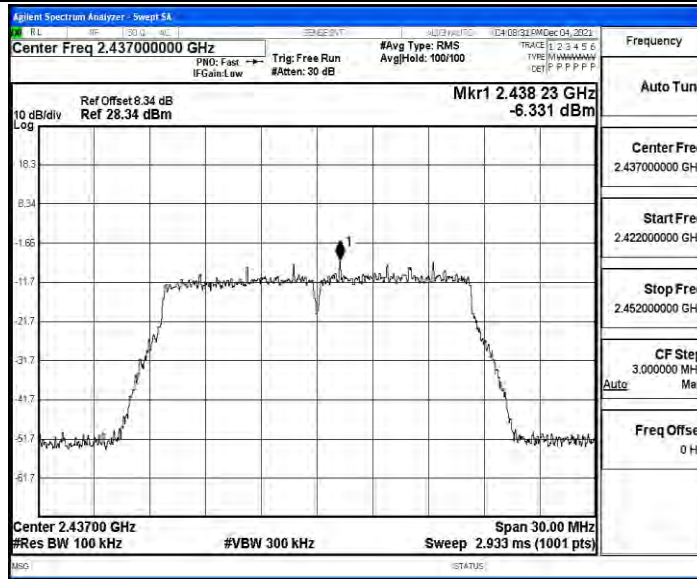
11G\_Ant1\_2412\_30~1000



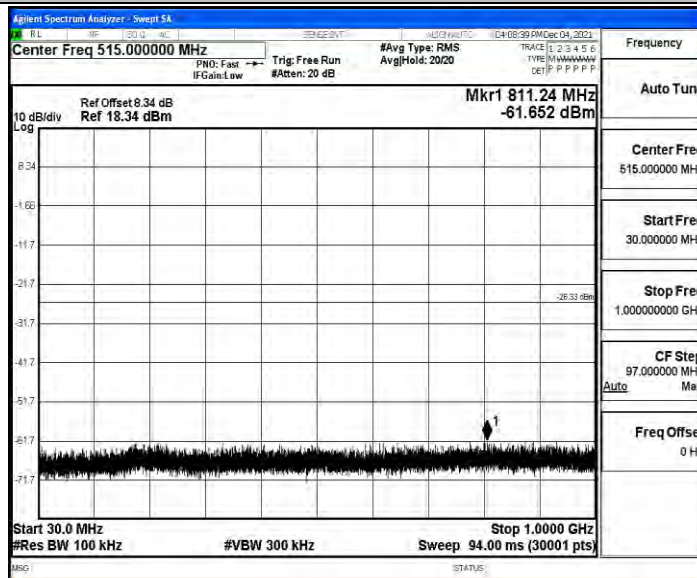
11G\_Ant1\_2412\_1000~26500



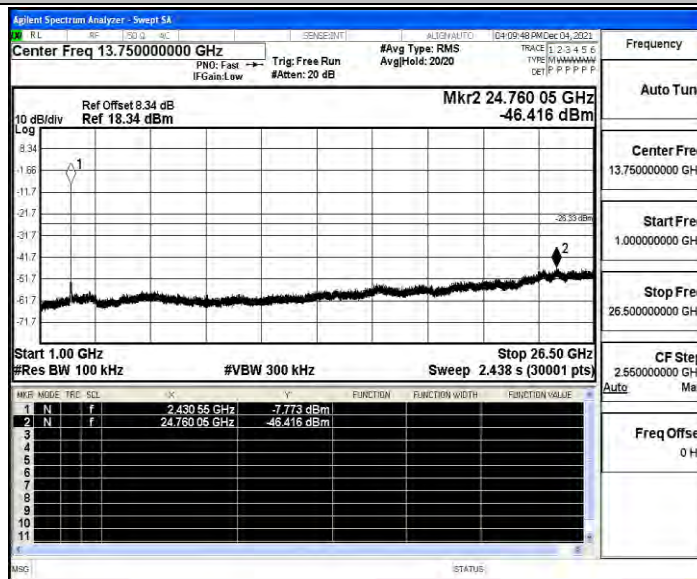
11G\_Ant1\_2437\_0~Reference



11G\_Ant1\_2437\_30~1000

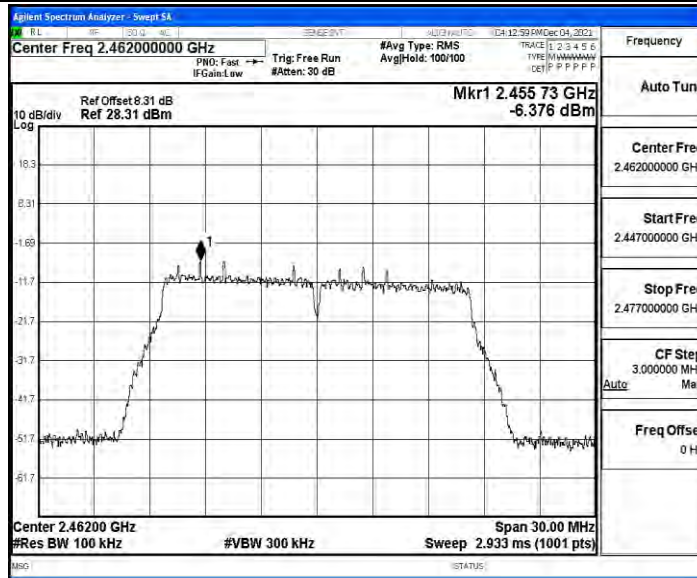


11G\_Ant1\_2437\_1000~26500

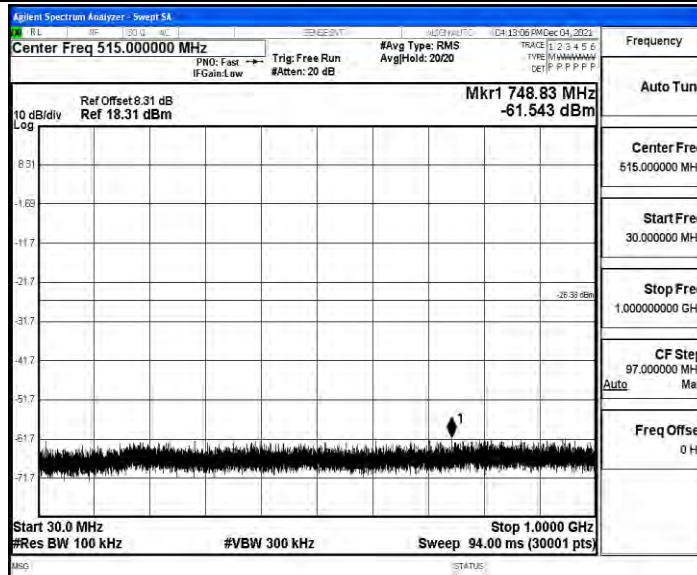




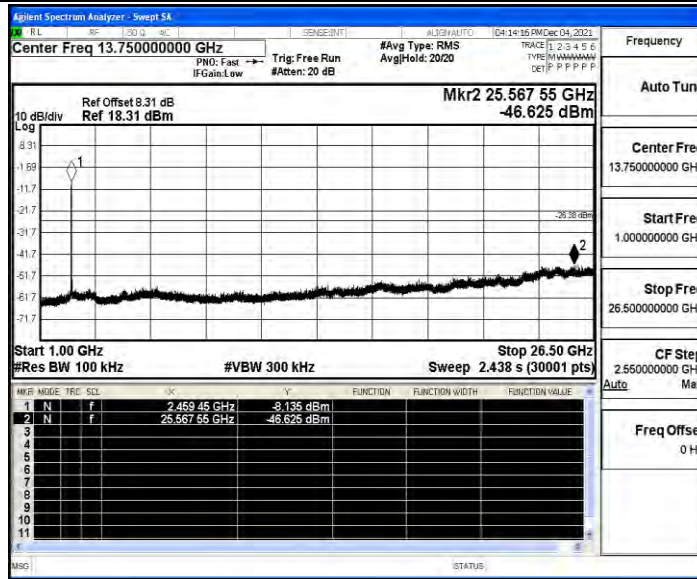
11G\_Ant1\_2462\_0~Reference



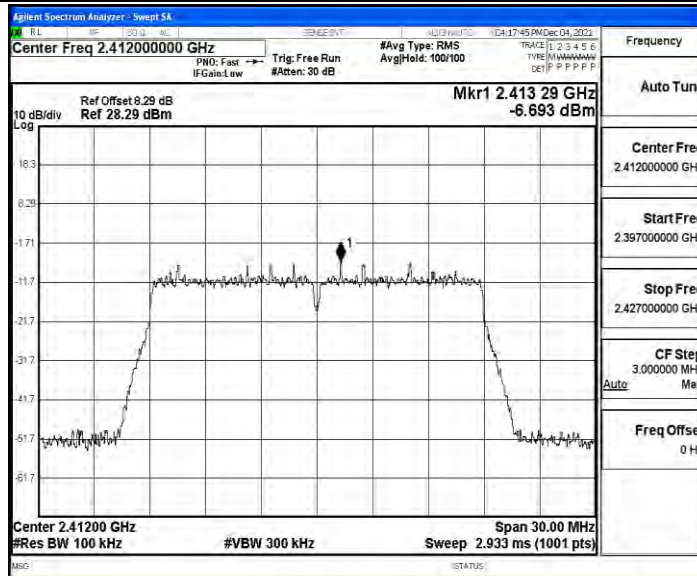
11G\_Ant1\_2462\_30~1000



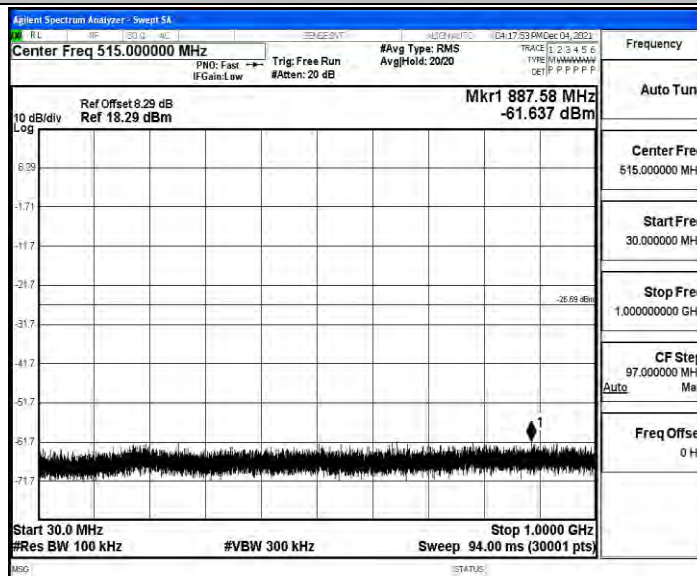
11G\_Ant1\_2462\_1000~26500



11N20SISO\_Ant1\_2412\_0~Reference

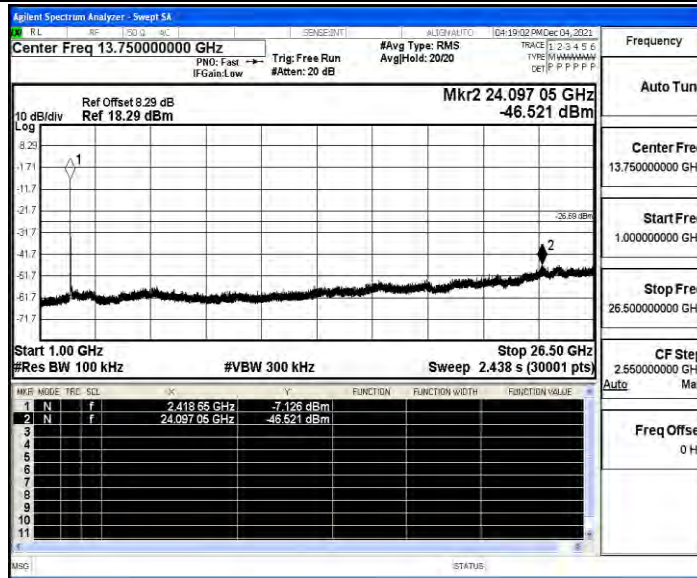


11N20SISO\_Ant1\_2412\_30~1000

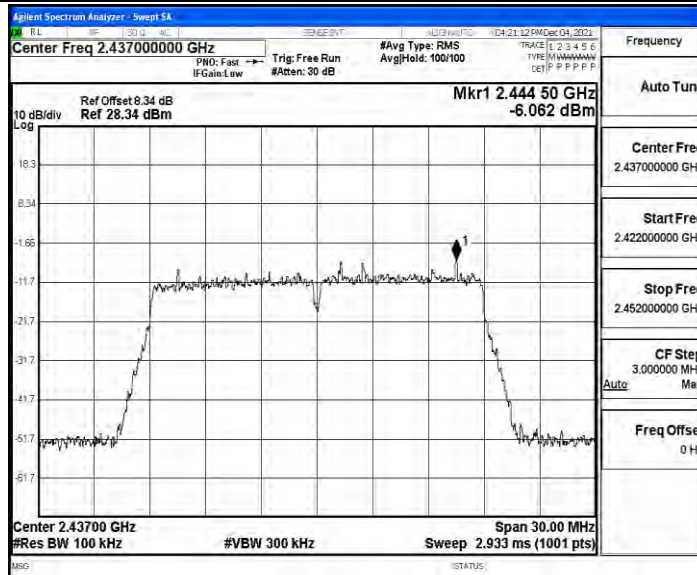




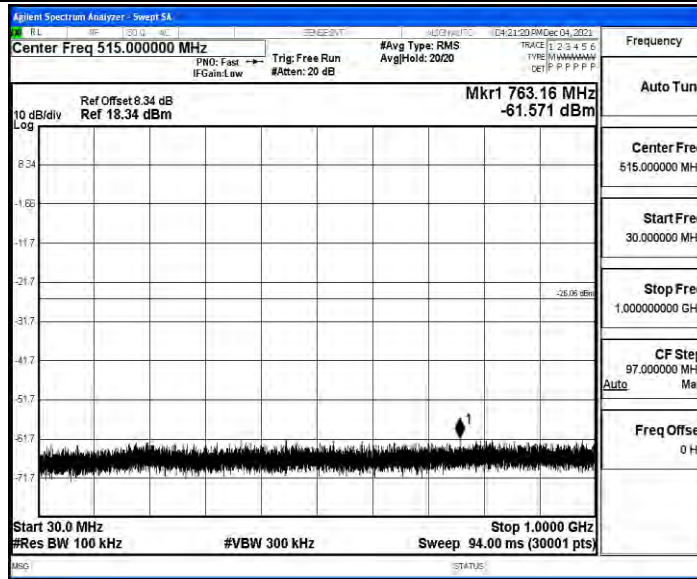
11N20SISO\_Ant1\_2412\_1000~26500



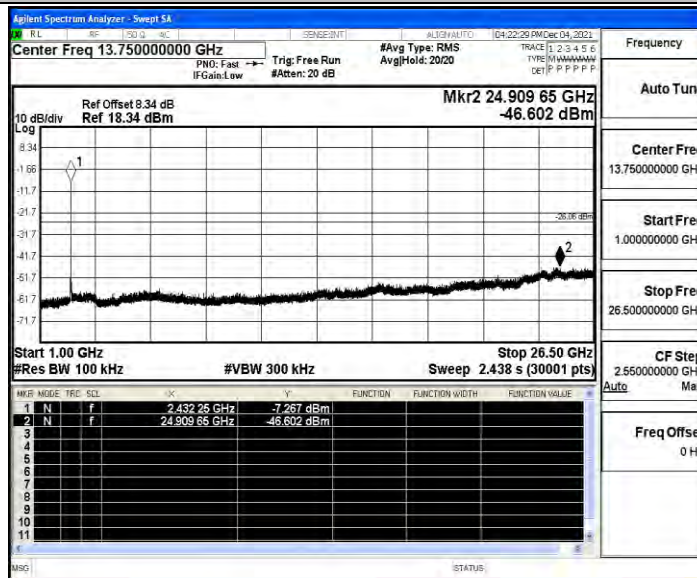
11N20SISO\_Ant1\_2437\_0~Reference



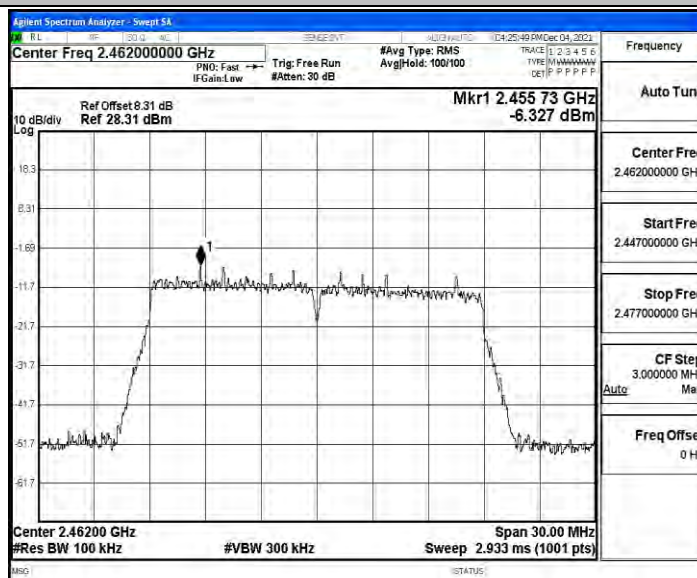
11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

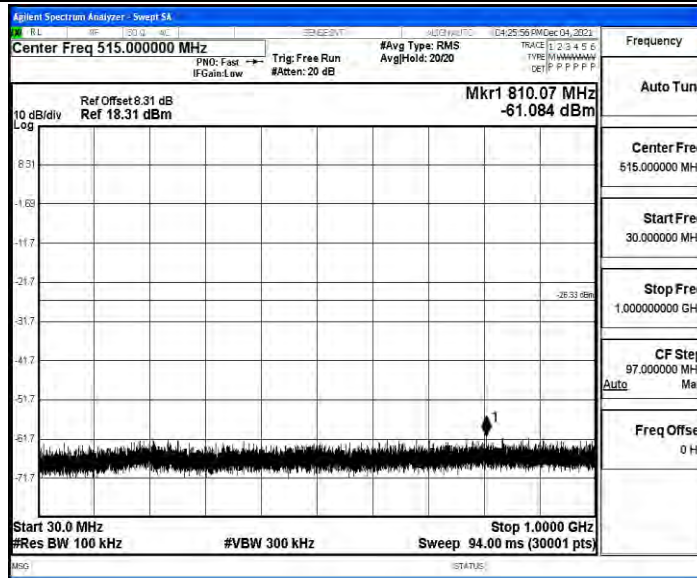


11N20SISO\_Ant1\_2462\_0~Reference

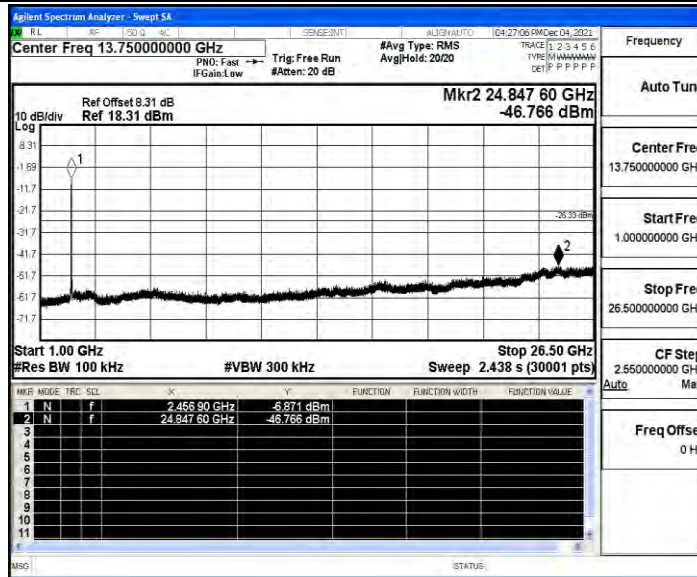




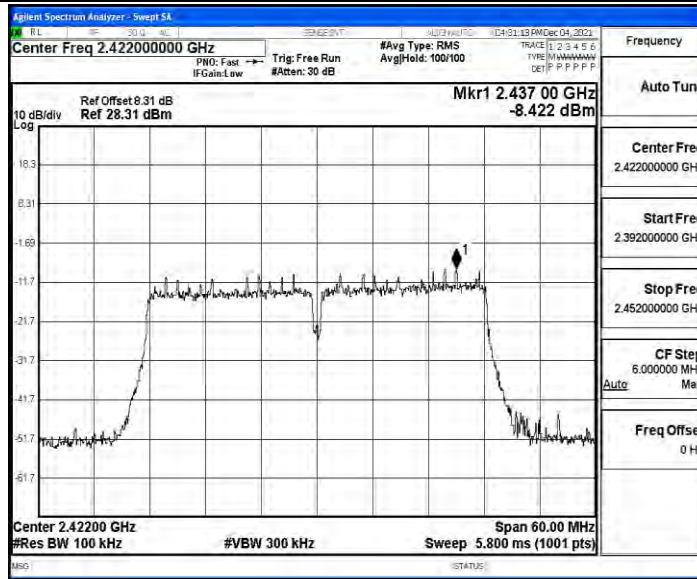
11N20SISO\_Ant1\_2462\_30~1000



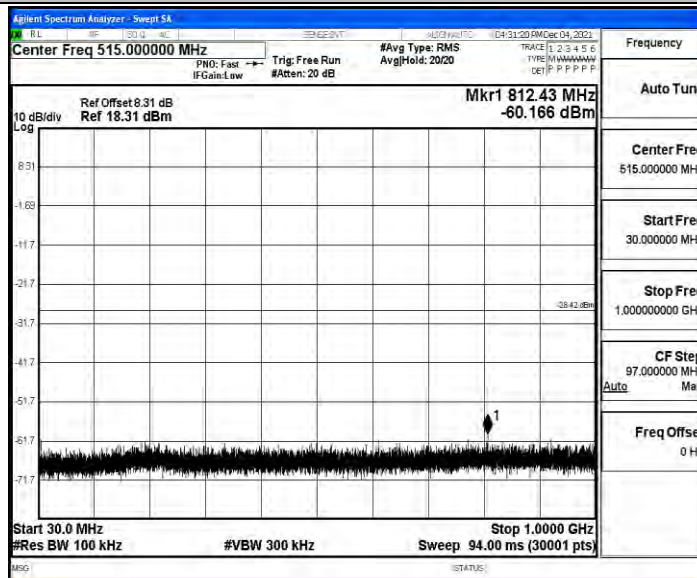
11N20SISO\_Ant1\_2462\_1000~26500



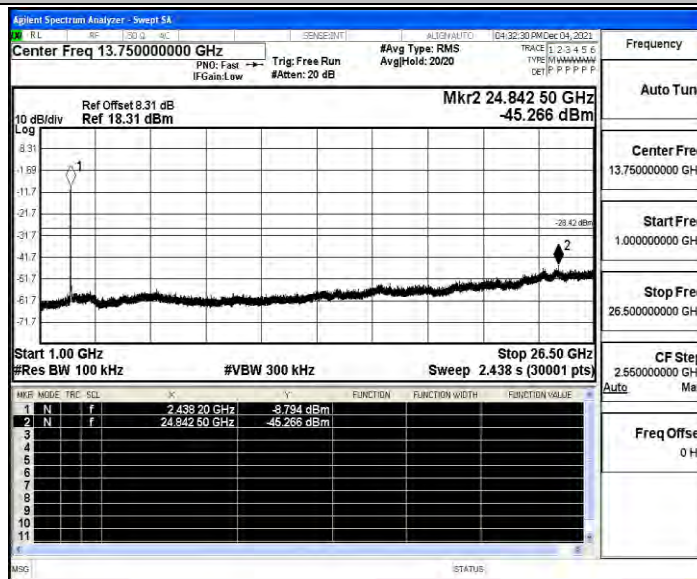
11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



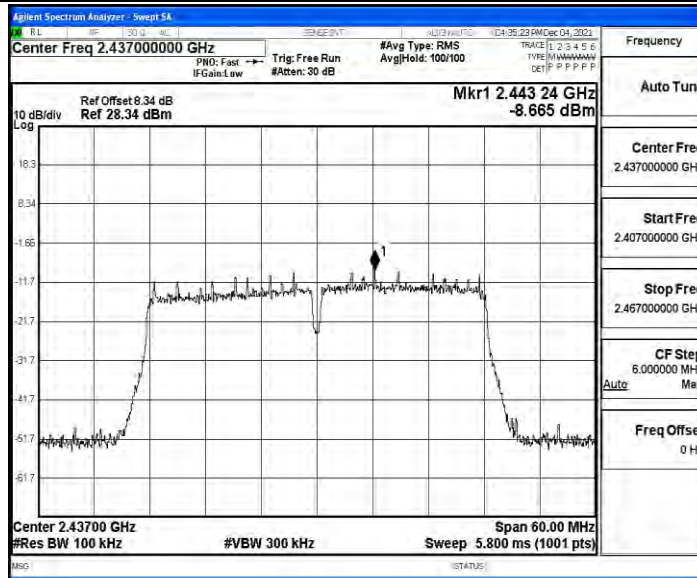
11N40SISO\_Ant1\_2422\_1000~26500



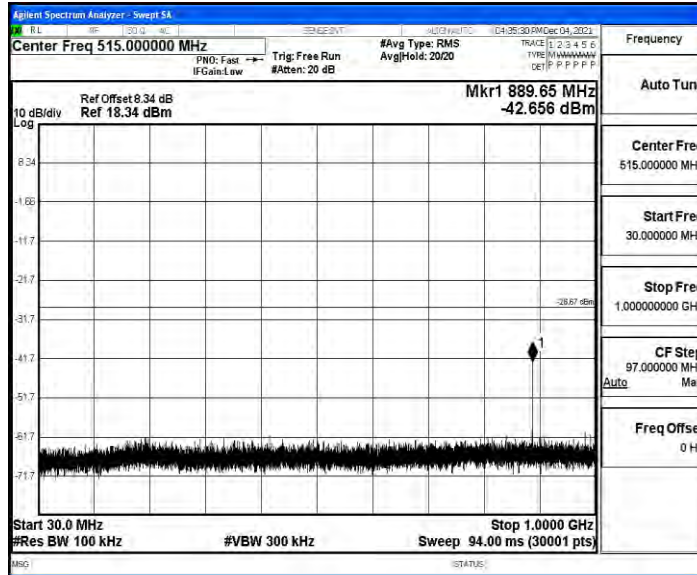




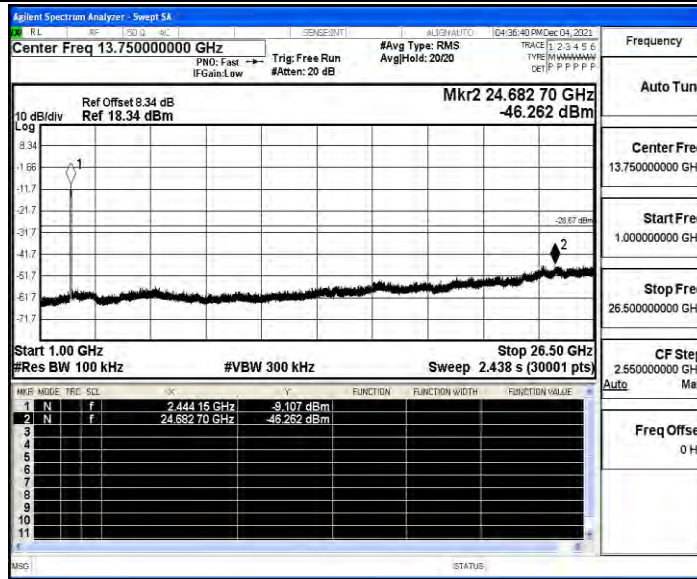
11N40SISO\_Ant1\_2437\_0~Reference



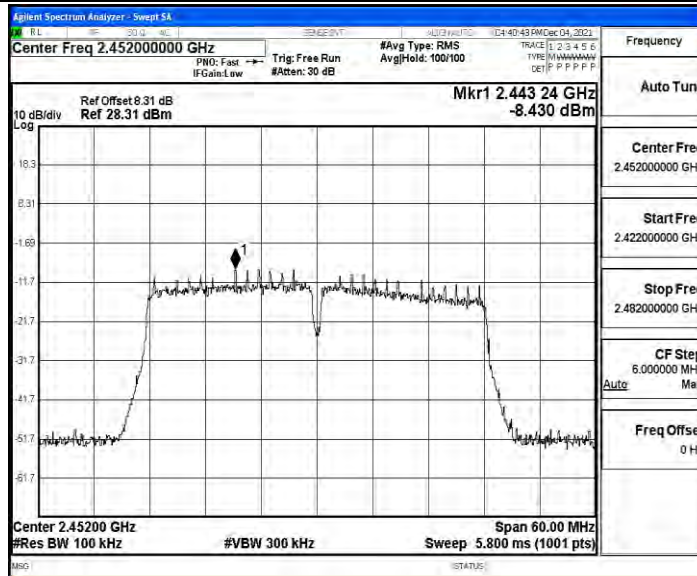
11N40SISO\_Ant1\_2437\_30~1000



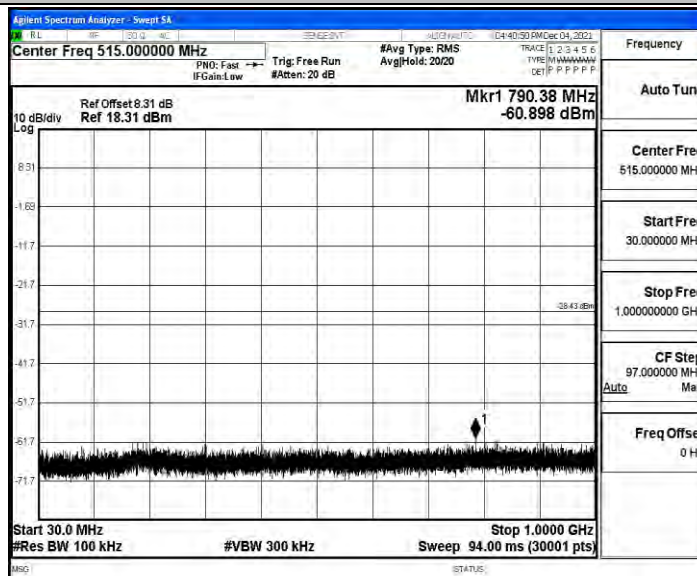
11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference

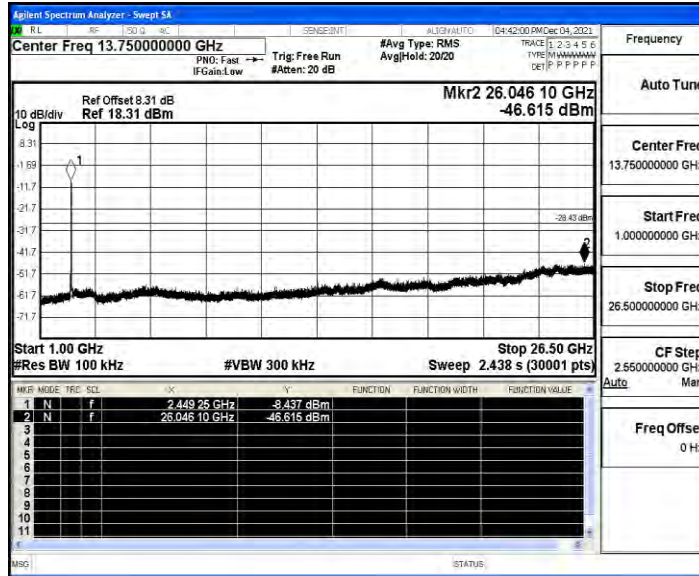


11N40SISO\_Ant1\_2452\_30~1000





11N40SISO\_Ant1\_2452\_1000~26500





## C.6 Duty Cycle

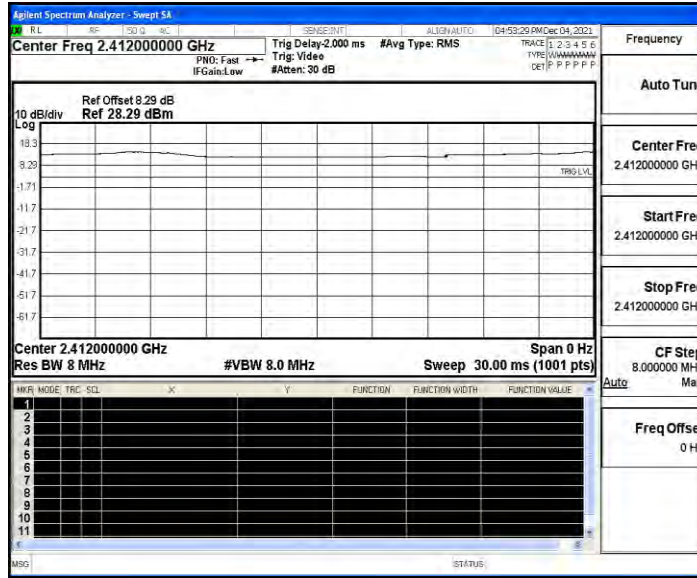
### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T (Hz)	Limit	Verdict
11B	Ant1	2412	30.00	30.00	100.00	10 for 100% duty cycle	---	PASS
		2437	30.00	30.00	100.00	10 for 100% duty cycle	---	PASS
		2462	30.00	30.00	100.00	10 for 100% duty cycle	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	719	---	PASS
		2437	1.39	1.43	97.20	719	---	PASS
		2462	1.39	1.43	97.20	719	---	PASS
11N20SISO	Ant1	2412	1.30	1.34	97.01	769	---	PASS
		2437	1.30	1.34	97.01	769	---	PASS
		2462	1.30	1.34	97.01	769	---	PASS
11N40SISO	Ant1	2422	0.64	0.68	94.12	1562.5	---	PASS
		2437	0.64	0.68	94.12	1562.5	---	PASS
		2452	0.64	0.68	94.12	1562.5	---	PASS

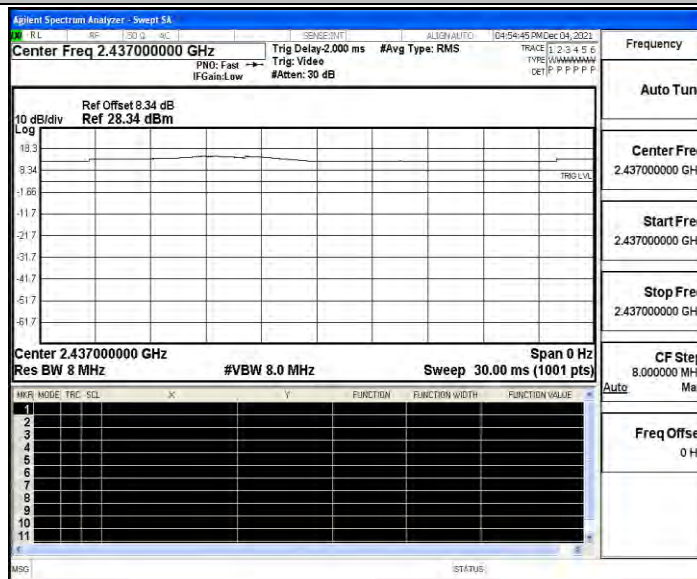


### Test Graphs

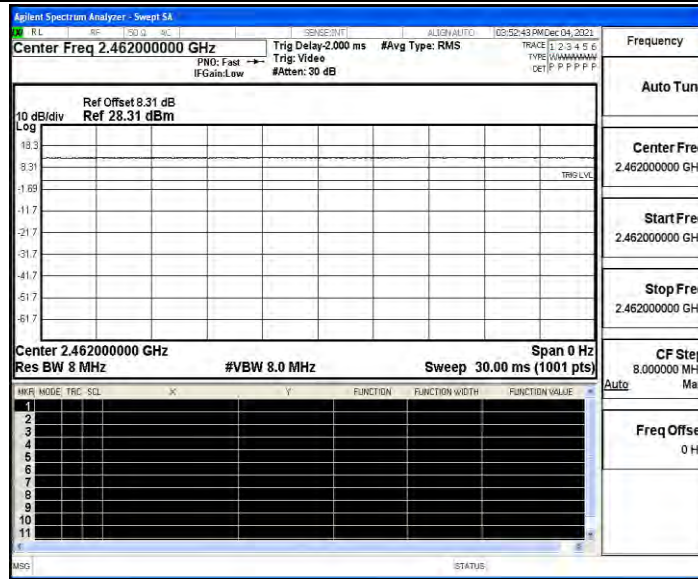
11B\_Ant1\_2412



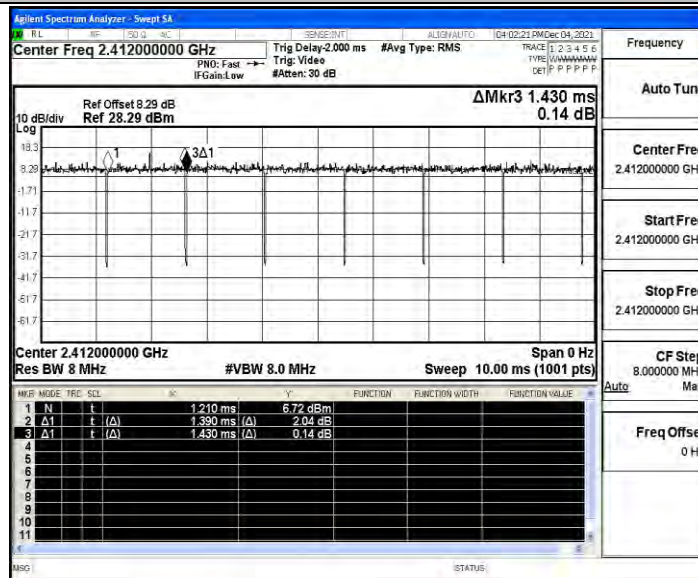
11B\_Ant1\_2437



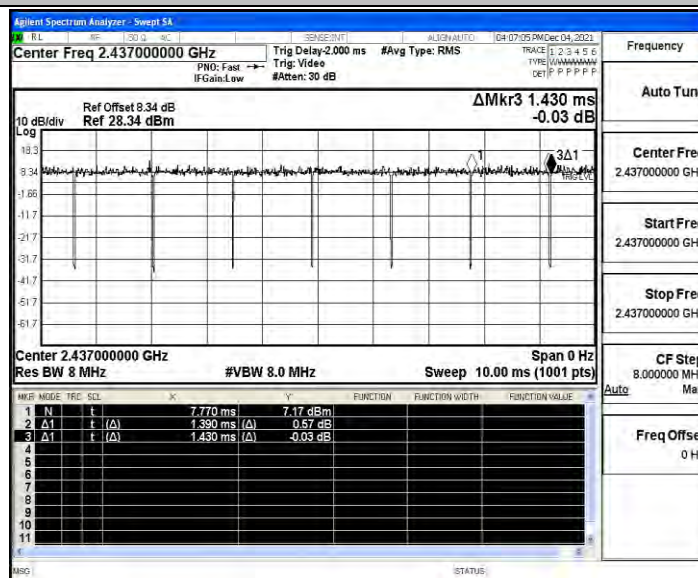
11B\_Ant1\_2462



11G\_Ant1\_2412

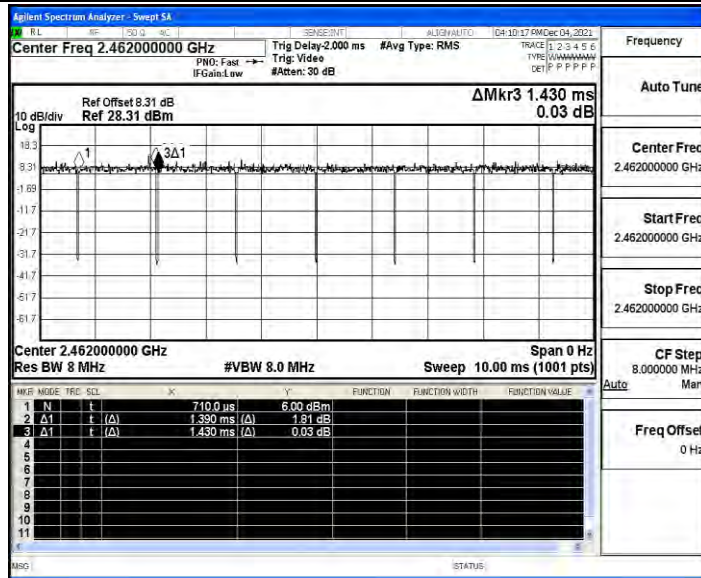


11G\_Ant1\_2437

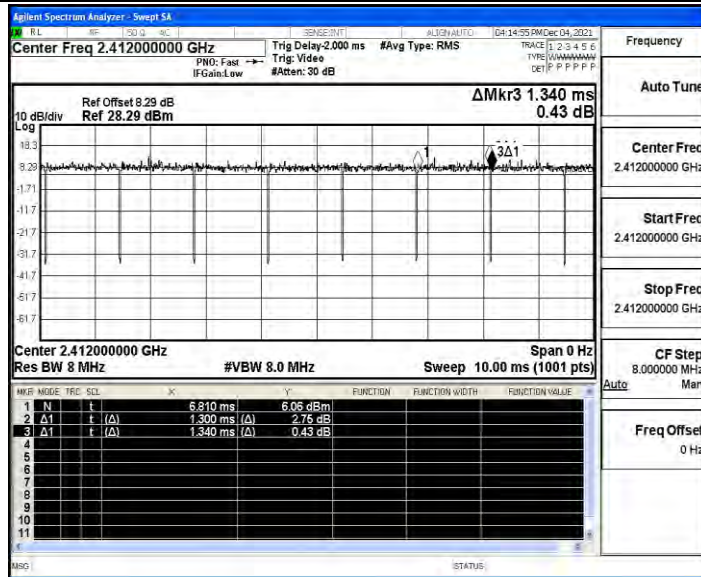




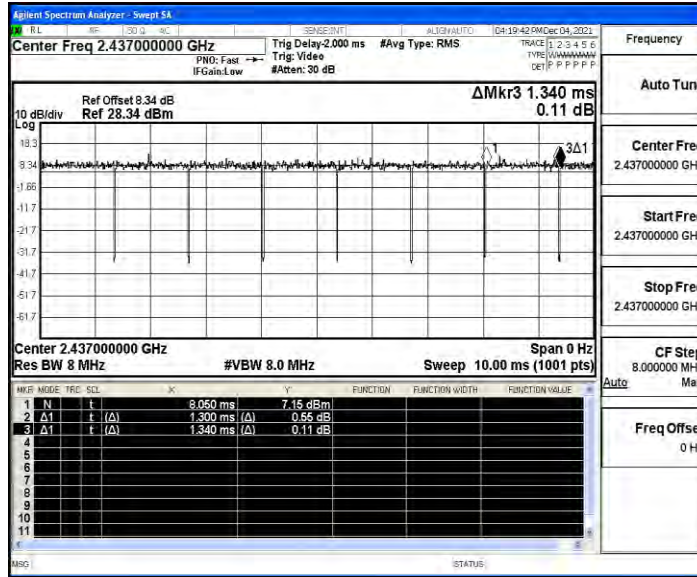
11G\_Ant1\_2462



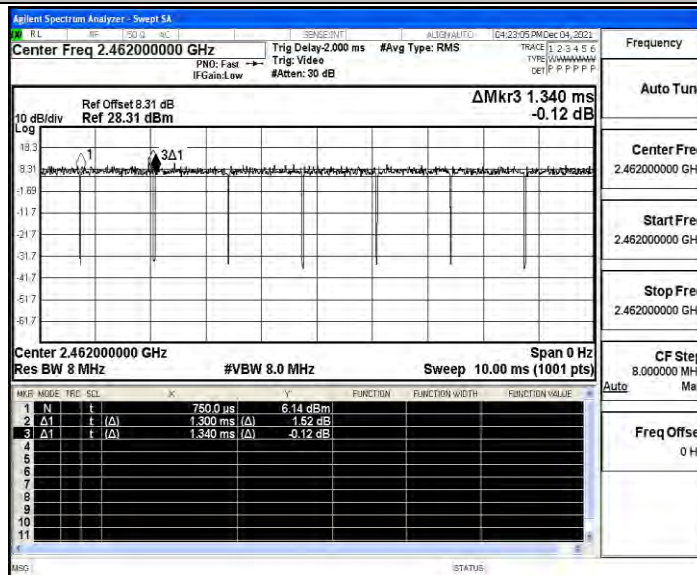
11N20SISO\_Ant1\_2412



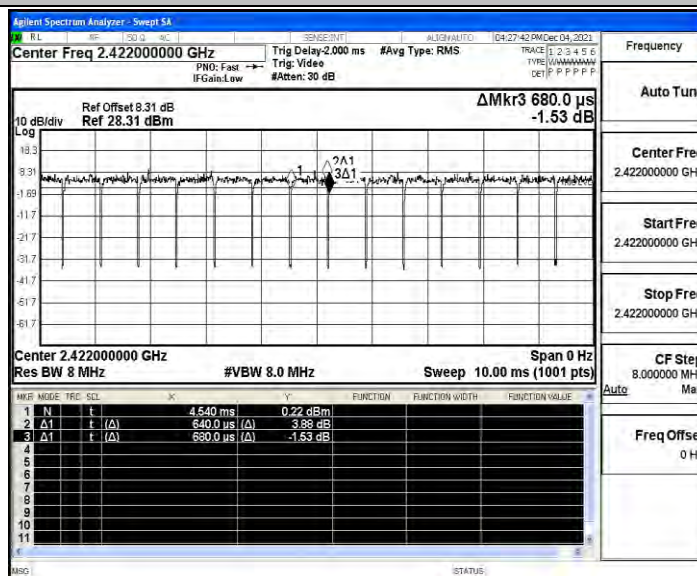
11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



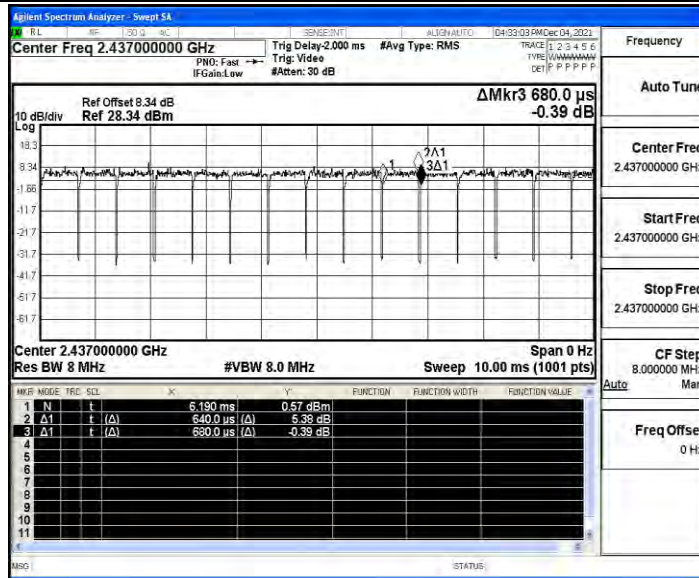
11N40SISO\_Ant1\_2422



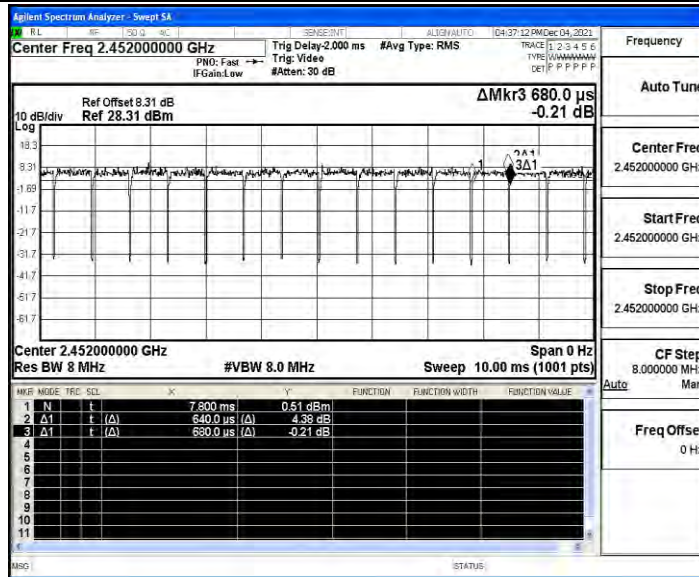




### 11N40SISO\_Ant1\_2437



### 11N40SISO\_Ant1\_2452





## C.7 Emissions in Restricted Bands

### Test Result

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	-48.81	≤-41.20	46.39	≤54	PASS
				AV	2375.010	-47.35	≤-41.20	47.85	≤54	PASS
				AV	2390.000	-47.9	≤-41.20	47.30	≤54	PASS
				Peak	2310.000	-44.35	≤-21.20	50.85	≤74	PASS
				Peak	2329.120	-39.23	≤-21.20	55.97	≤74	PASS
				Peak	2390.000	-42.27	≤-21.20	52.93	≤74	PASS
		High	2462	AV	2483.500	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2487.960	-47.08	≤-41.20	48.12	≤54	PASS
				AV	2500.000	-48.06	≤-41.20	47.14	≤54	PASS
				Peak	2483.500	-44.82	≤-21.20	50.38	≤74	PASS
				Peak	2490.050	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2500.000	-44.77	≤-21.20	50.43	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.43	≤-41.20	46.77	≤54	PASS
				AV	2380.080	-47.94	≤-41.20	47.26	≤54	PASS
				AV	2390.000	-48	≤-41.20	47.20	≤54	PASS
				Peak	2310.000	-41.48	≤-21.20	53.72	≤74	PASS
				Peak	2342.510	-38.44	≤-21.20	56.76	≤74	PASS
				Peak	2390.000	-41.29	≤-21.20	53.91	≤74	PASS
		High	2462	AV	2483.500	-47.54	≤-41.20	47.66	≤54	PASS
				AV	2488.070	-46.21	≤-41.20	48.99	≤54	PASS
				AV	2500.000	-47.58	≤-41.20	47.62	≤54	PASS
				Peak	2483.500	-37.36	≤-21.20	57.84	≤74	PASS
				Peak	2488.840	-37.96	≤-21.20	57.24	≤74	PASS
				Peak	2500.000	-39.91	≤-21.20	55.29	≤74	PASS
11N20SI SO	Ant1	Low	2412	AV	2310.000	-48.51	≤-41.20	46.69	≤54	PASS
				AV	2385.540	-47.86	≤-41.20	47.34	≤54	PASS
				AV	2390.000	-48.05	≤-41.20	47.15	≤54	PASS
				Peak	2310.000	-41.16	≤-21.20	54.04	≤74	PASS
				Peak	2368.640	-39.05	≤-21.20	56.15	≤74	PASS
				Peak	2390.000	-41.27	≤-21.20	53.93	≤74	PASS
		High	2462	AV	2483.500	-47.37	≤-41.20	47.83	≤54	PASS
				AV	2488.070	-46.37	≤-41.20	48.83	≤54	PASS
				AV	2500.000	-47.43	≤-41.20	47.77	≤54	PASS
				Peak	2483.500	-40.02	≤-21.20	55.18	≤74	PASS
				Peak	2487.850	-37.81	≤-21.20	57.39	≤74	PASS
				Peak	2500.000	-41.5	≤-21.20	53.70	≤74	PASS
11N40SI	Ant1	Low	2422	AV	2310.000	-48.32	≤-41.20	46.88	≤54	PASS



SO			AV	2388.920	-47.62	$\leq -41.20$	47.58	$\leq 54$	PASS
			AV	2390.000	-47.91	$\leq -41.20$	47.29	$\leq 54$	PASS
			Peak	2310.000	-41.01	$\leq -21.20$	54.19	$\leq 74$	PASS
			Peak	2316.250	-38.1	$\leq -21.20$	57.10	$\leq 74$	PASS
			Peak	2390.000	-42.26	$\leq -21.20$	52.94	$\leq 74$	PASS
	High	2452	AV	2483.500	-47.21	$\leq -41.20$	47.99	$\leq 54$	PASS
			AV	2485.980	-46.85	$\leq -41.20$	48.35	$\leq 54$	PASS
			AV	2500.000	-46.97	$\leq -41.20$	48.23	$\leq 54$	PASS
			Peak	2483.500	-40.61	$\leq -21.20$	54.59	$\leq 74$	PASS
			Peak	2489.720	-38.02	$\leq -21.20$	57.18	$\leq 74$	PASS
			Peak	2500.000	-40.52	$\leq -21.20$	54.68	$\leq 74$	PASS

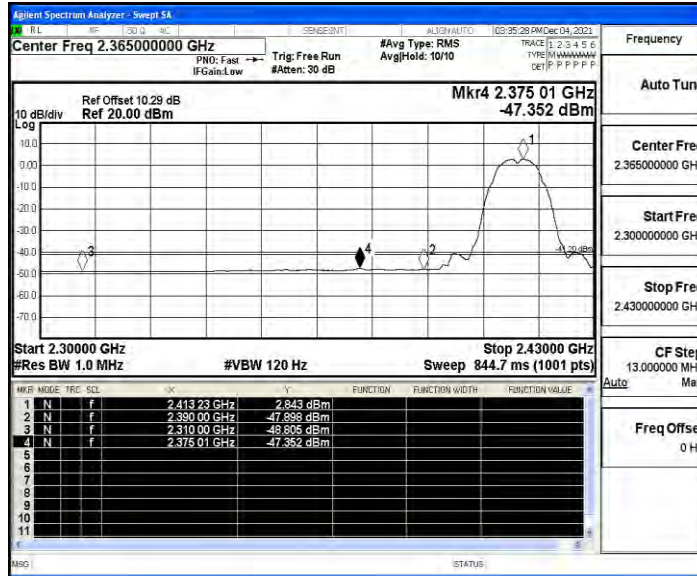
**Note:**

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.

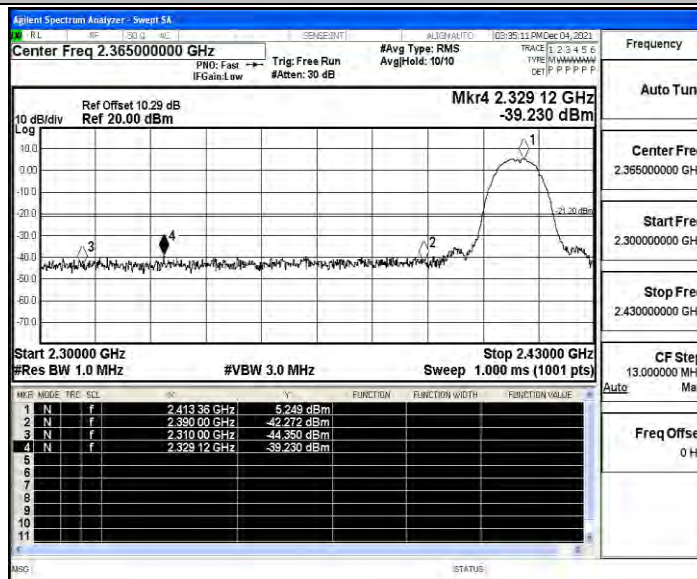


### Test Graphs

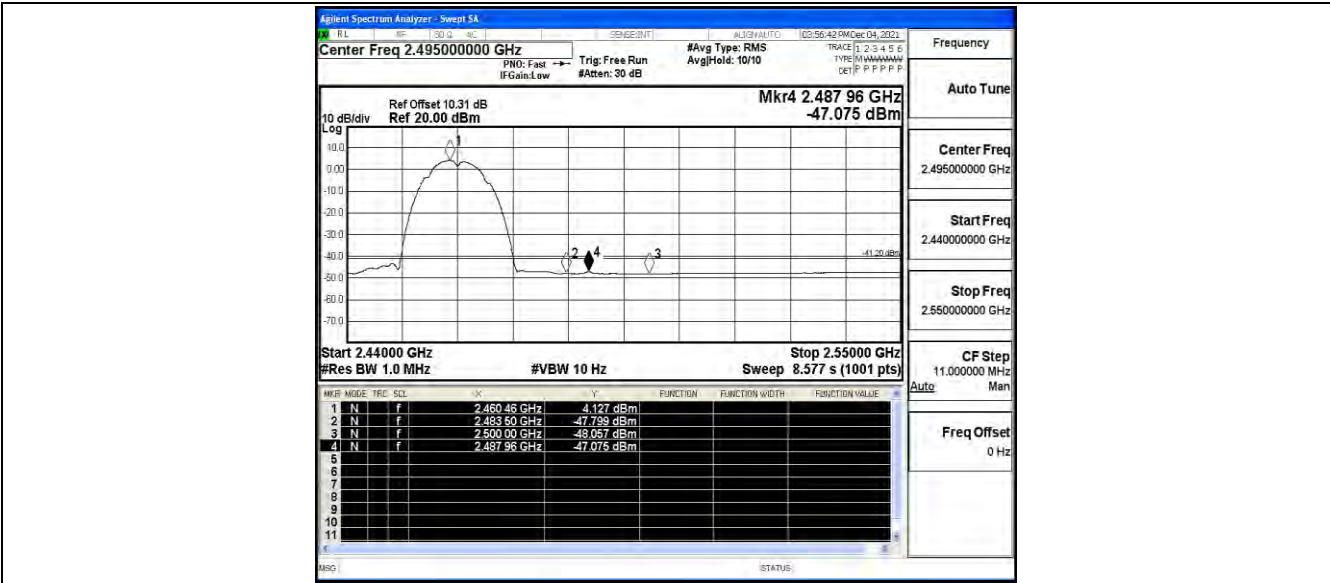
11B\_Ant1\_Low\_2412\_AV



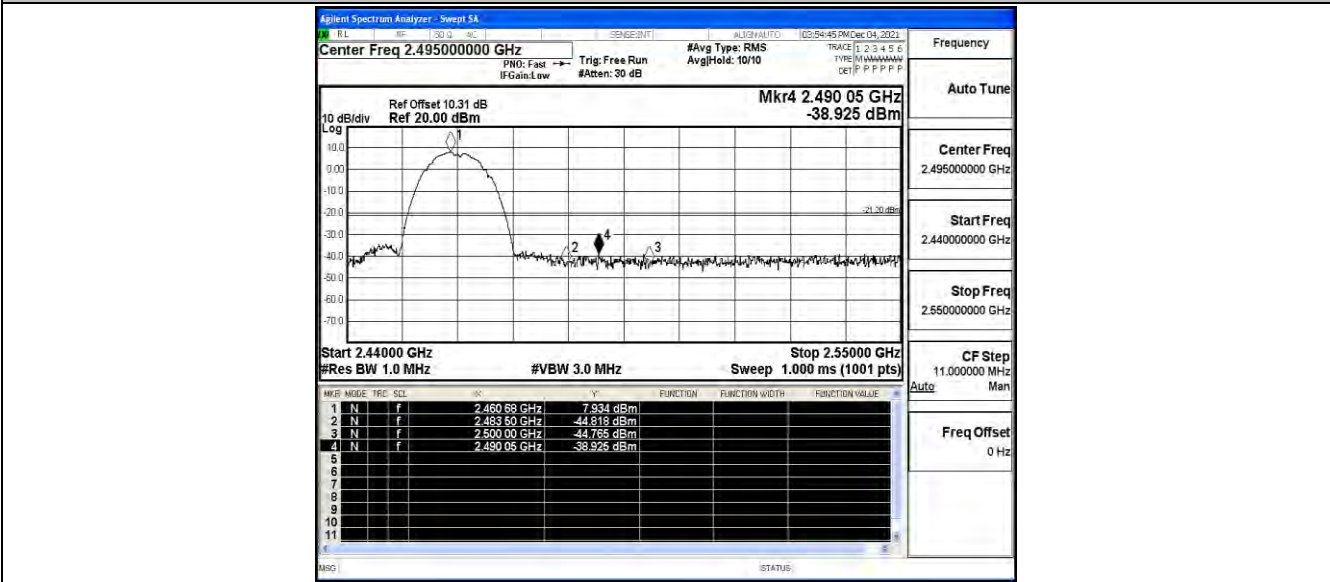
11B\_Ant1\_Low\_2412\_Peak



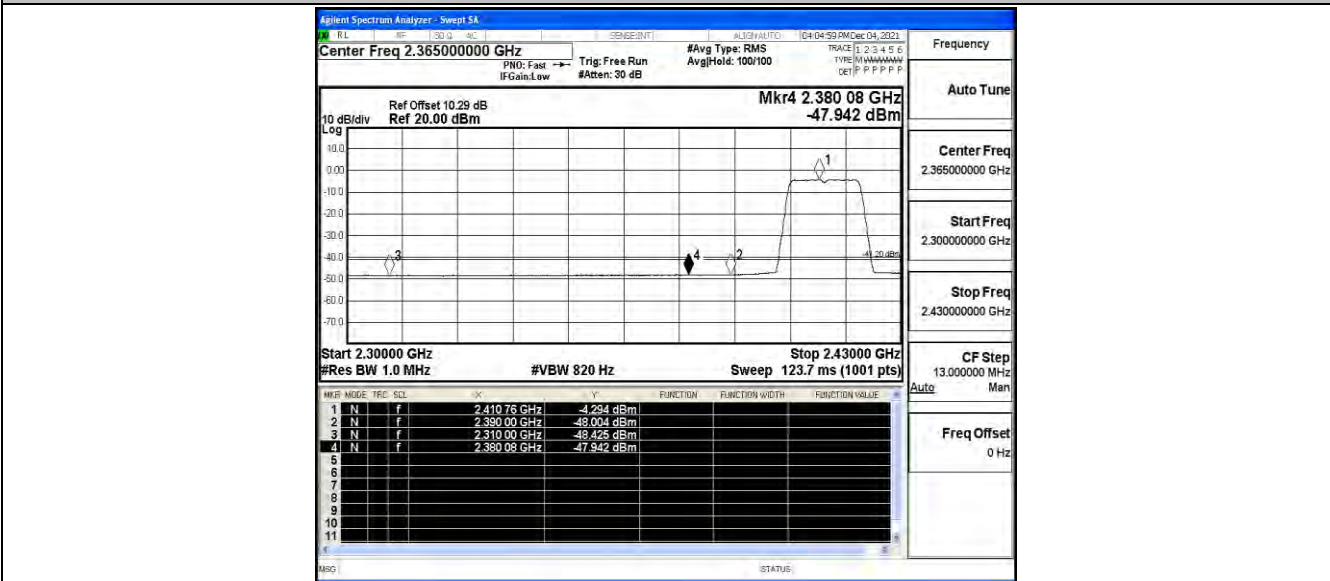
11B\_Ant1\_High\_2462\_AV



11B\_Ant1\_High\_2462\_Peak

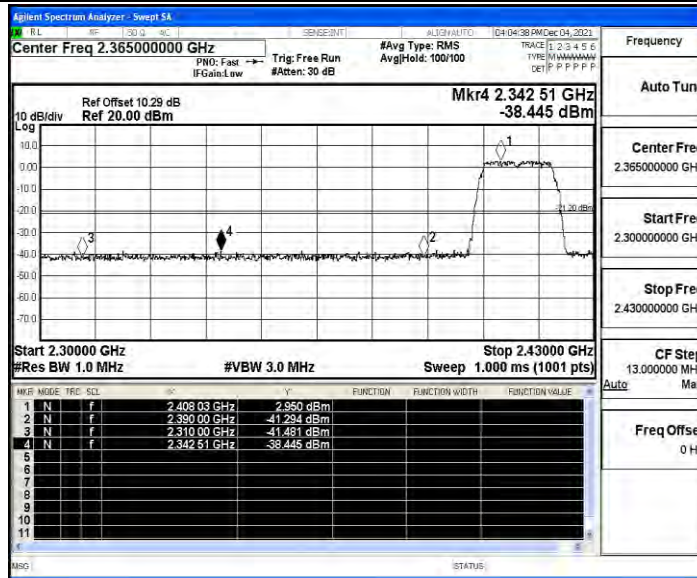


11G\_Ant1\_Low\_2412\_AV

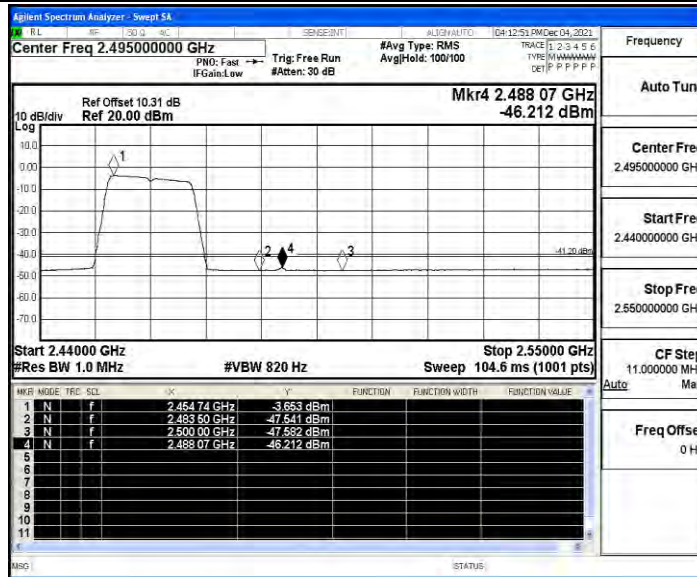




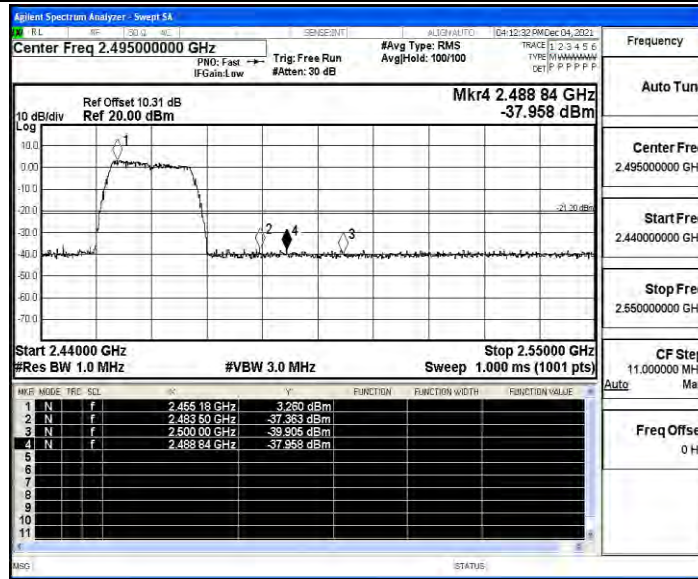
### 11G\_Ant1\_Low\_2412\_Peak



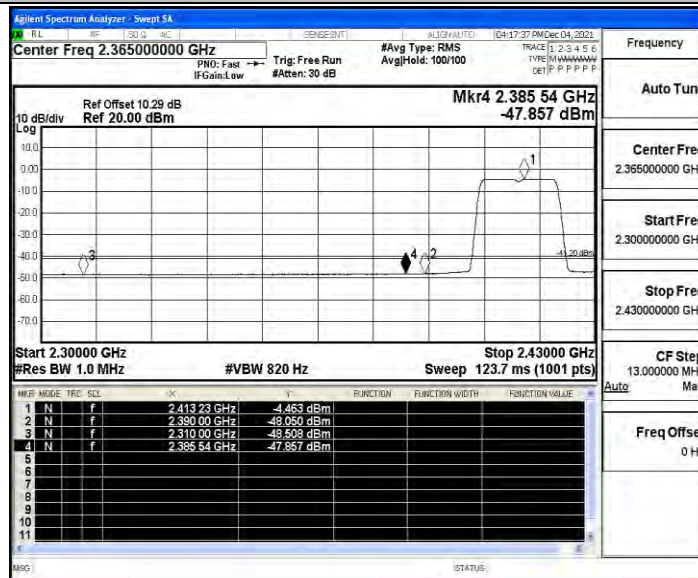
### 11G\_Ant1\_High\_2462\_AV



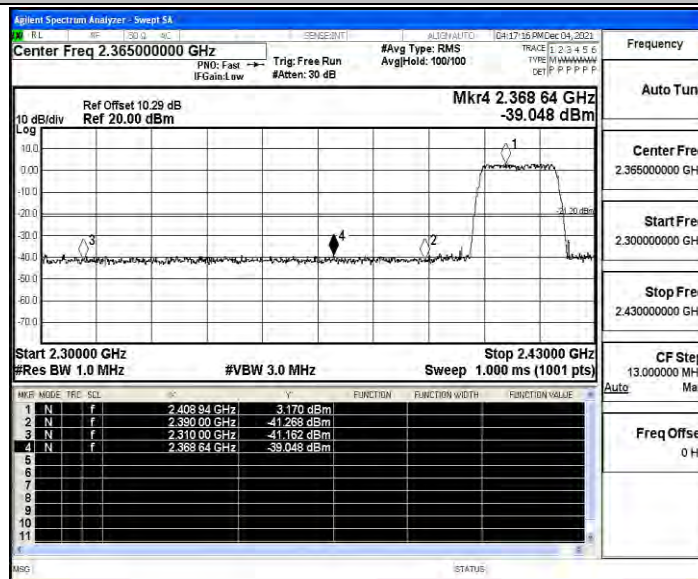
### 11G\_Ant1\_High\_2462\_Peak



11N20SISO\_Ant1\_Low\_2412\_AV

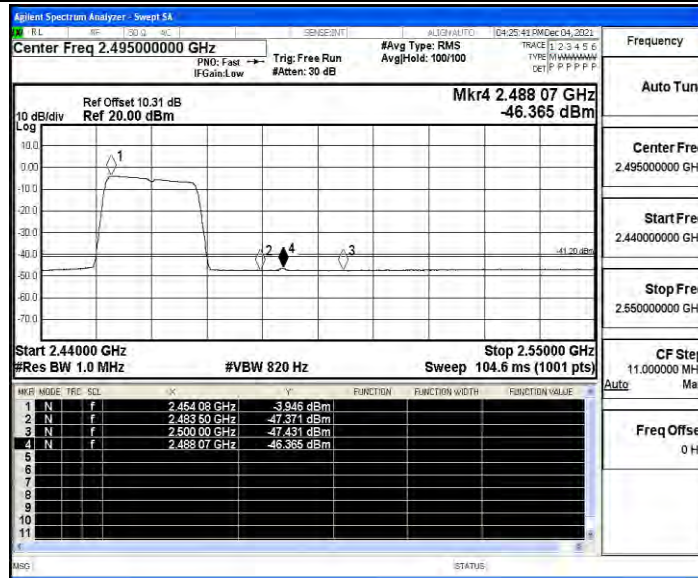


11N20SISO\_Ant1\_Low\_2412\_Peak

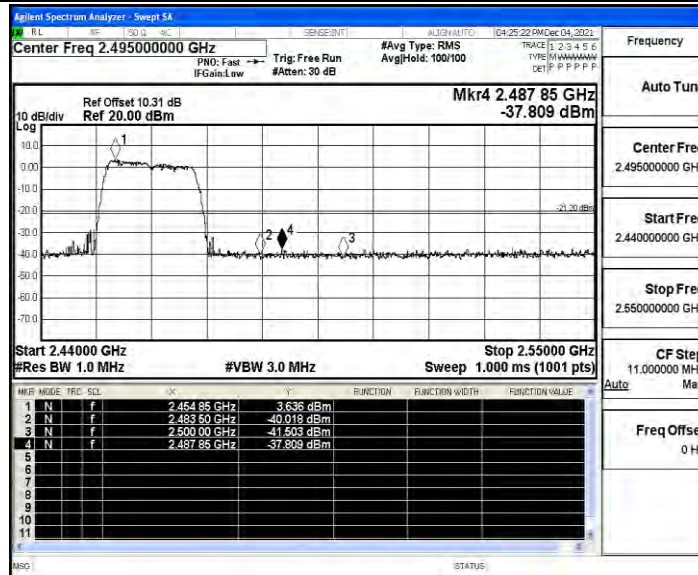




### 11N20SISO\_Ant1\_High\_2462\_AV

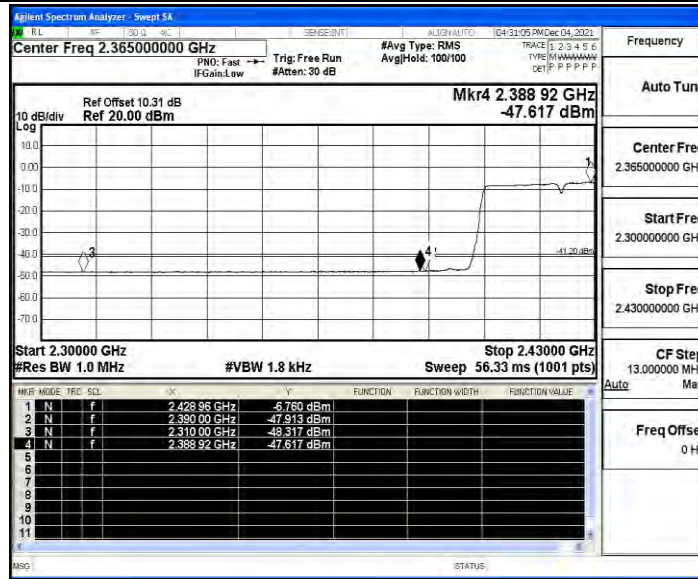


### 11N20SISO\_Ant1\_High\_2462\_Peak

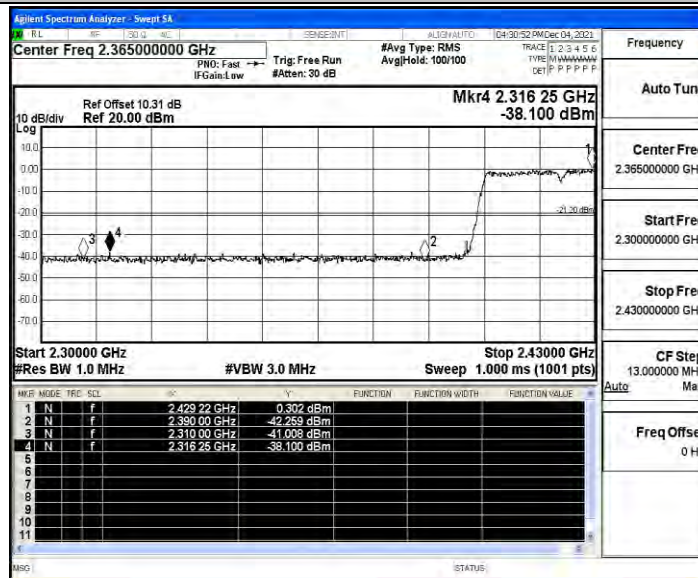


### 11N40SISO\_Ant1\_Low\_2422\_AV

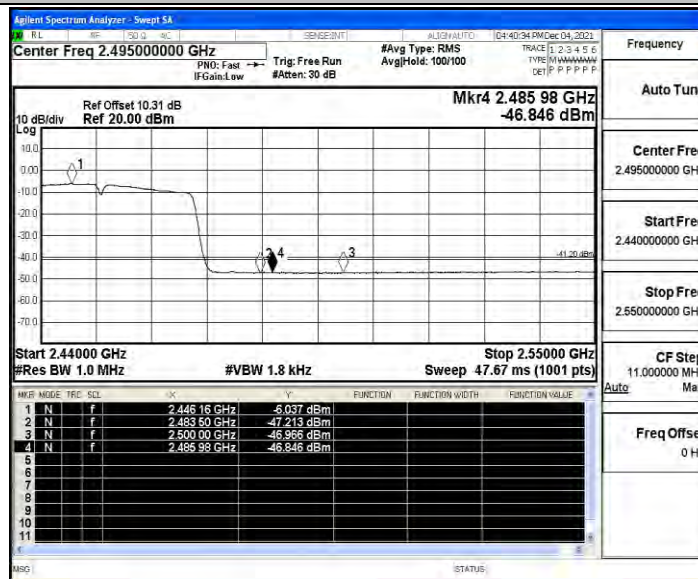




11N40SISO\_Ant1\_Low\_2422\_Peak



11N40SISO\_Ant1\_High\_2452\_AV





### 11N40SISO\_Ant1\_High\_2452\_Peak

