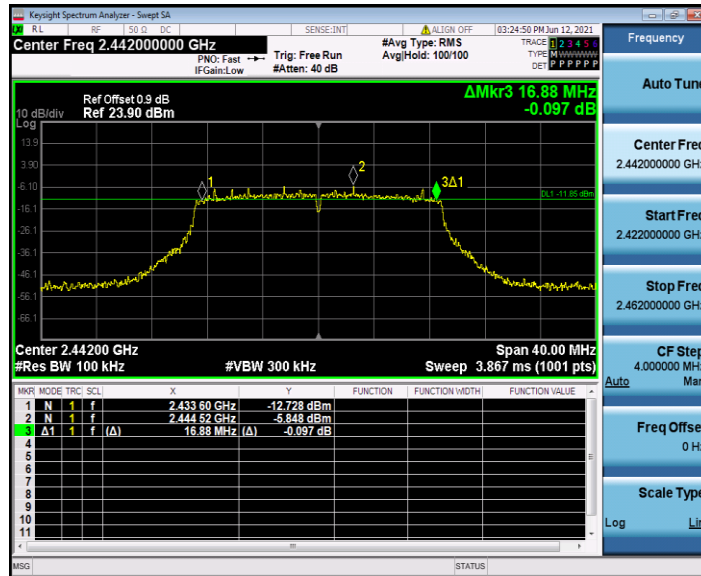


### 11N20MIMO\_Ant1\_2442

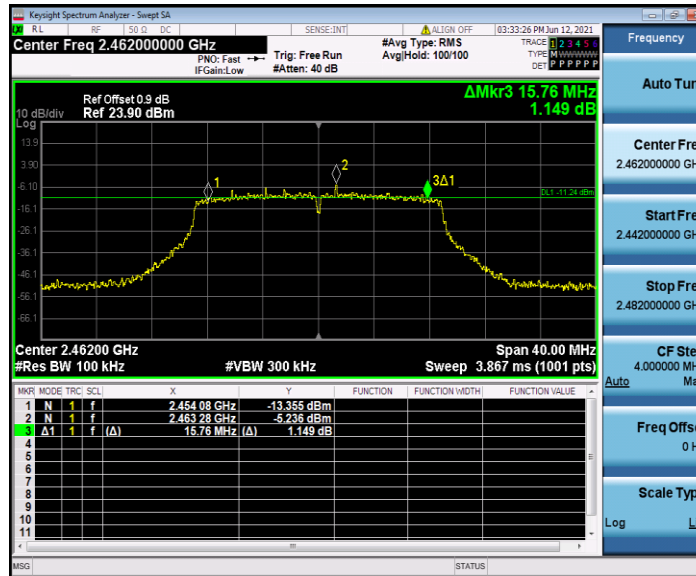


### 11N20MIMO\_Ant2\_2442

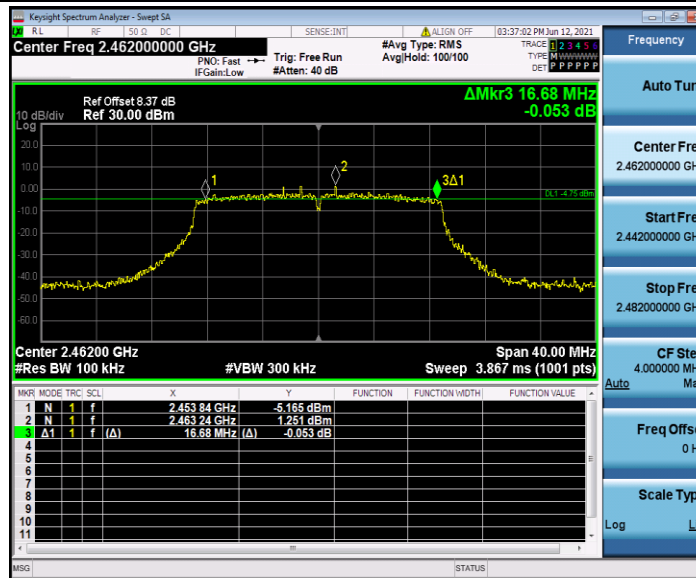


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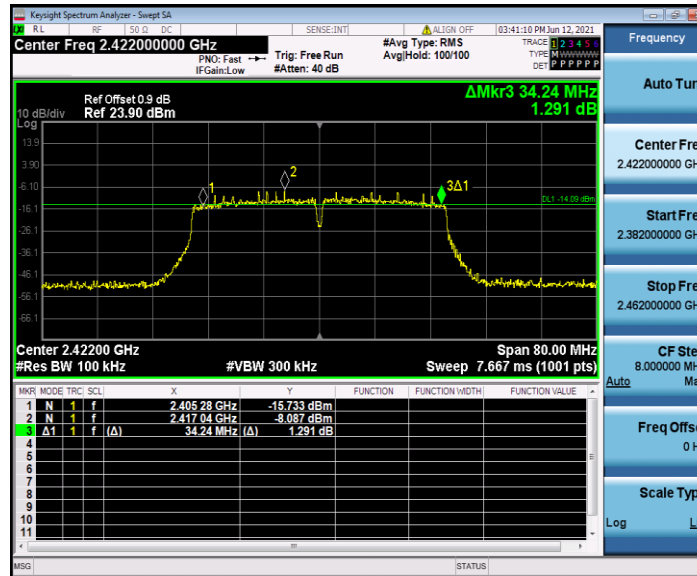
11N20MIMO\_Ant1\_2462



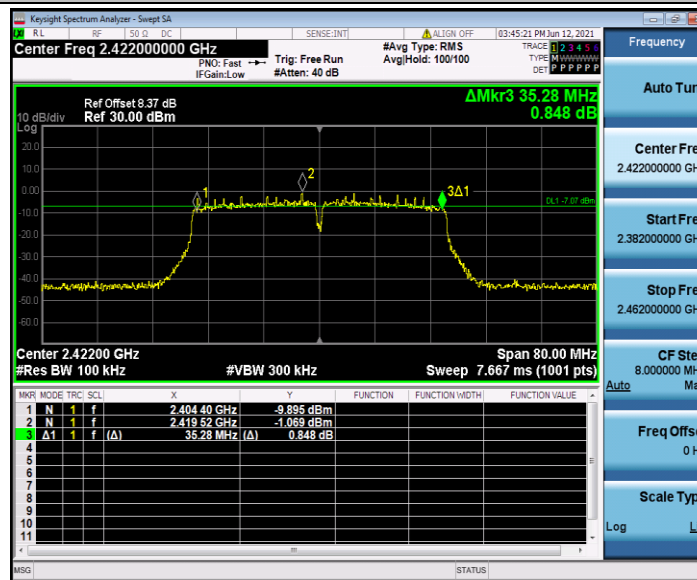
11N20MIMO\_Ant2\_2462



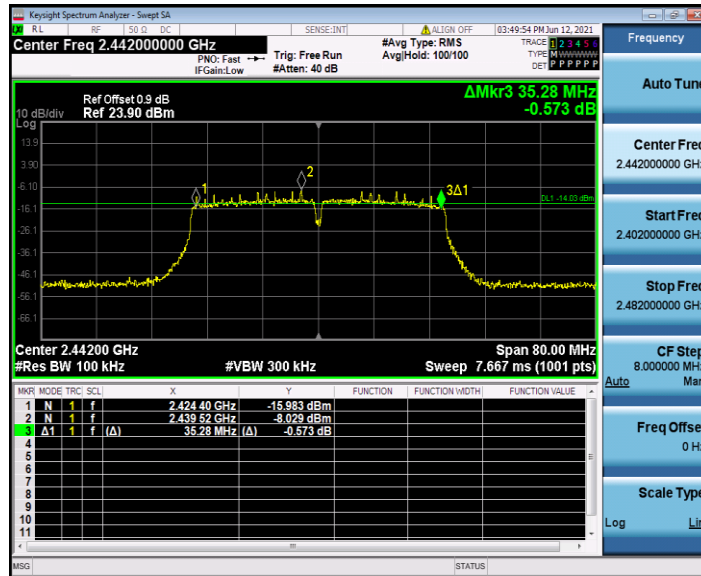
11N40MIMO\_Ant1\_2422



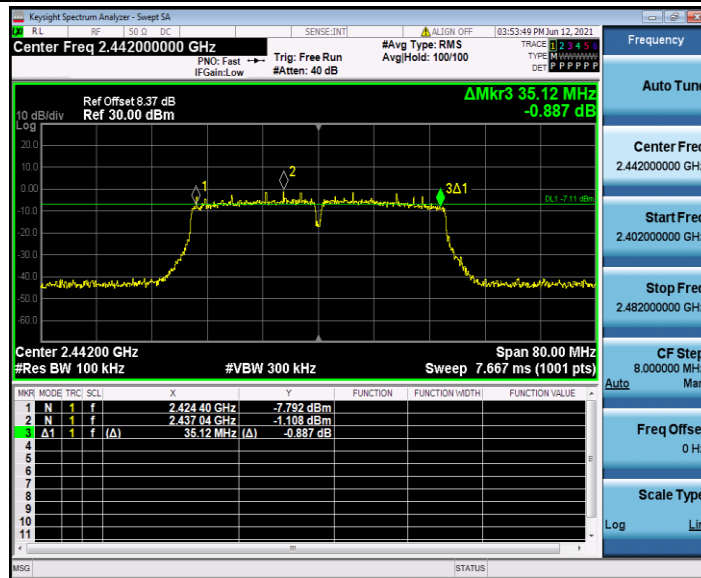
11N40MIMO\_Ant2\_2422



### 11N40MIMO\_Ant1\_2442

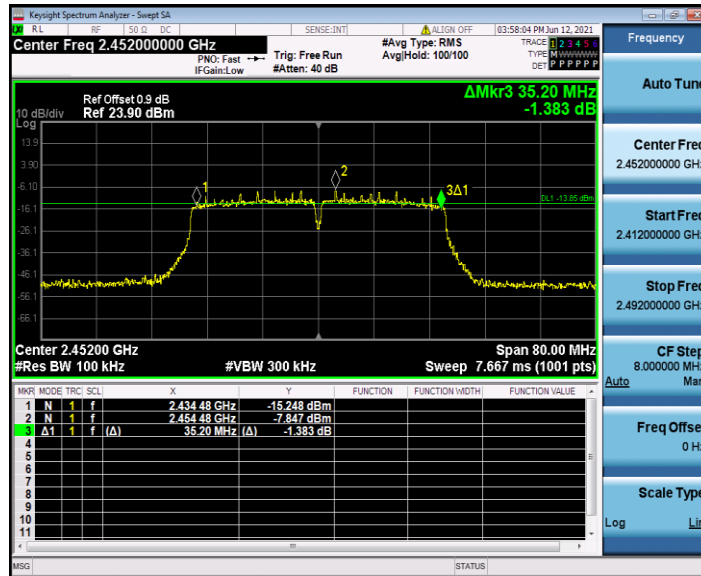


### 11N40MIMO\_Ant2\_2442

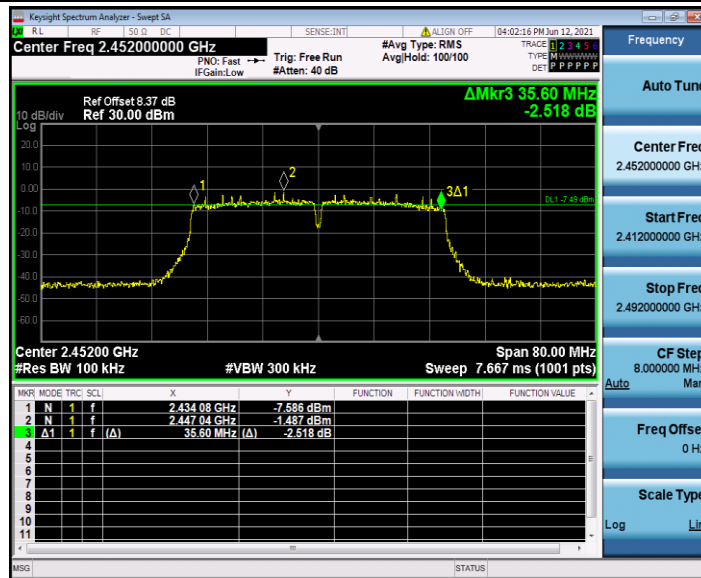




### 11N40MIMO\_Ant1\_2452



### 11N40MIMO\_Ant2\_2452



**8.2 Appendix B: Maximum conducted output power****8.2.1 Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	6.85	<=30	PASS
	Ant2	2412	14.37	<=30	PASS
	Ant1	2442	7.36	<=30	PASS
	Ant2	2442	14.26	<=30	PASS
	Ant1	2462	7.46	<=30	PASS
	Ant2	2462	14.23	<=30	PASS
11G	Ant1	2412	6.08	<=30	PASS
	Ant2	2412	13.57	<=30	PASS
	Ant1	2442	6.31	<=30	PASS
	Ant2	2442	13.59	<=30	PASS
	Ant1	2462	6.10	<=30	PASS
	Ant2	2462	12.94	<=30	PASS
11N20SISO	Ant1	2412	7.02	<=30	PASS
	Ant2	2412	13.55	<=30	PASS
	Ant1	2442	6.78	<=30	PASS
	Ant2	2442	14.49	<=30	PASS
	Ant1	2462	6.92	<=30	PASS
	Ant2	2462	13.95	<=30	PASS
11N40SISO	Ant1	2422	6.36	<=30	PASS
	Ant2	2422	13.79	<=30	PASS
	Ant1	2442	5.80	<=30	PASS
	Ant2	2442	13.68	<=30	PASS
	Ant1	2452	7.21	<=30	PASS
	Ant2	2452	13.58	<=30	PASS
11N20MIMO	Ant1+2	2412	14.42	<=30	PASS
	Ant1+2	2442	15.17	<=30	PASS
	Ant1+2	2462	14.74	<=30	PASS
11N40MIMO	Ant1+2	2422	14.51	<=30	PASS
	Ant1+2	2442	14.34	<=30	PASS
	Ant1+2	2452	14.48	<=30	PASS

Ant1 power: Ant 1 conducted power + duty cycle factor.

Ant2 power: Ant 2 conducted power + duty cycle factor.

Ant1+2 power: Ant 1 conducted power + duty cycle factor + Ant 2 conducted power + duty cycle factor.



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**8.3 Appendix C: Maximum power spectral density****8.3.1 Test Result**

TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-19.96	<=8	PASS
	Ant2	2412	-12.16	<=8	PASS
	Ant1	2442	-19.22	<=8	PASS
	Ant2	2442	-12.61	<=8	PASS
	Ant1	2462	-19.54	<=8	PASS
	Ant2	2462	-12.78	<=8	PASS
11G	Ant1	2412	-21.61	<=8	PASS
	Ant2	2412	-13.66	<=8	PASS
	Ant1	2442	-20.99	<=8	PASS
	Ant2	2442	-13.29	<=8	PASS
	Ant1	2462	-21.94	<=8	PASS
	Ant2	2462	-15	<=8	PASS
11N20SISO	Ant1	2412	-20.34	<=8	PASS
	Ant2	2412	-13.43	<=8	PASS
	Ant1	2442	-20.56	<=8	PASS
	Ant2	2442	-12.84	<=8	PASS
	Ant1	2462	-20.75	<=8	PASS
	Ant2	2462	-13.1	<=8	PASS
11N40SISO	Ant1	2422	-22.23	<=8	PASS
	Ant2	2422	-15.42	<=8	PASS
	Ant1	2442	-21.65	<=8	PASS
	Ant2	2442	-15.44	<=8	PASS
	Ant1	2452	-22.7	<=8	PASS
	Ant2	2452	-15.29	<=8	PASS
11N20MIMO	Ant1+2	2412	-12.62	<=8	PASS
	Ant1+2	2442	-12.16	<=8	PASS
	Ant1+2	2462	-12.41	<=8	PASS
11N40MIMO	Ant1+2	2422	-14.60	<=8	PASS
	Ant1+2	2442	-14.51	<=8	PASS
	Ant1+2	2452	-14.57	<=8	PASS

Ant1 power spectral density: Ant 1 conducted power spectral density + duty cycle factor

Ant2 power spectral density: Ant 2 conducted power spectral density + duty cycle factor

Ant1+2 power spectral density: Ant 1 conducted power spectral density + duty cycle factor + Ant 2 conducted power spectral density + duty cycle factor.

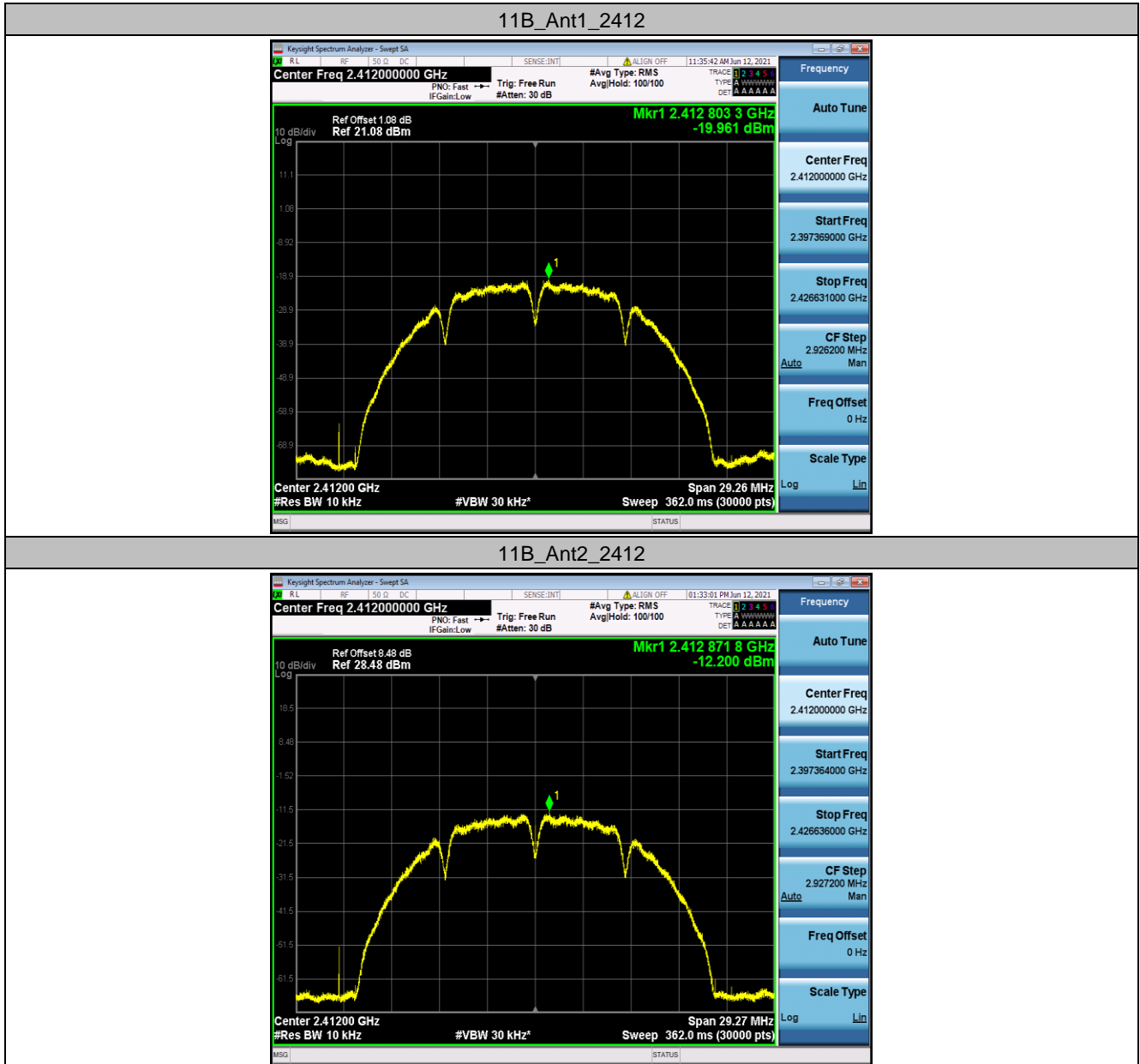
The Duty Cycle Factor is compensated in the conducted power spectral density test graph.



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### 8.3.2 Test Graphs





11B\_Ant1\_2442



11B\_Ant2\_2442



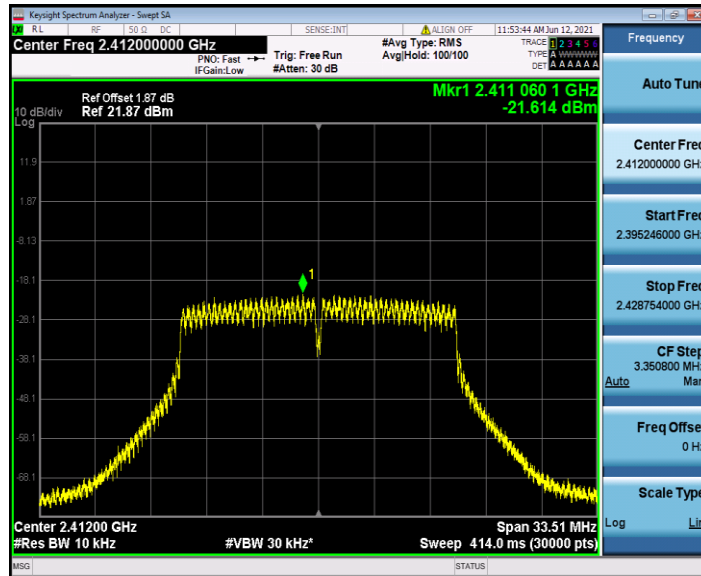
11B\_Ant1\_2462



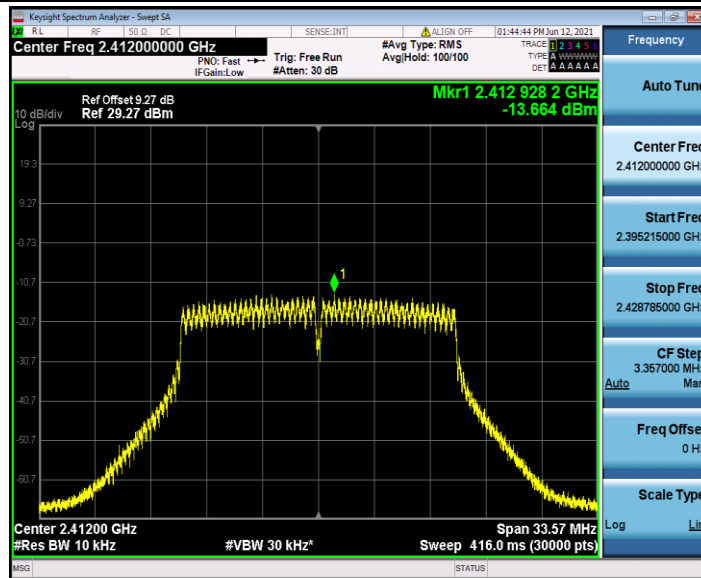
11B\_Ant2\_2462



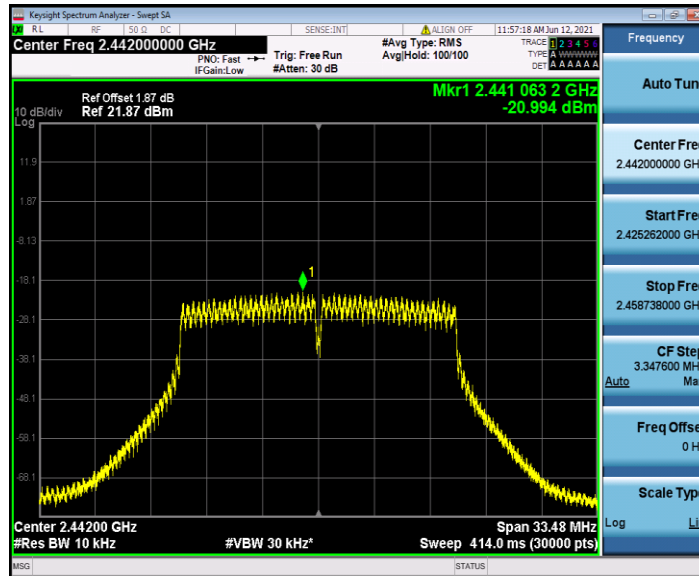
11G\_Ant1\_2412



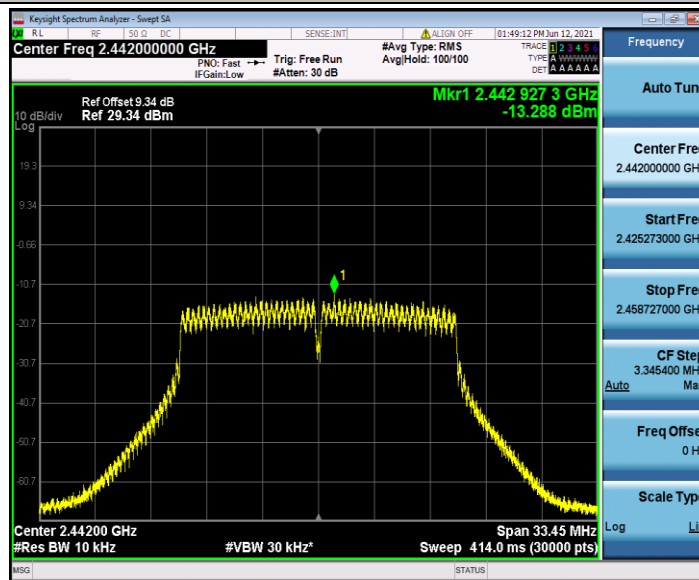
11G\_Ant2\_2412



11G\_Ant1\_2442

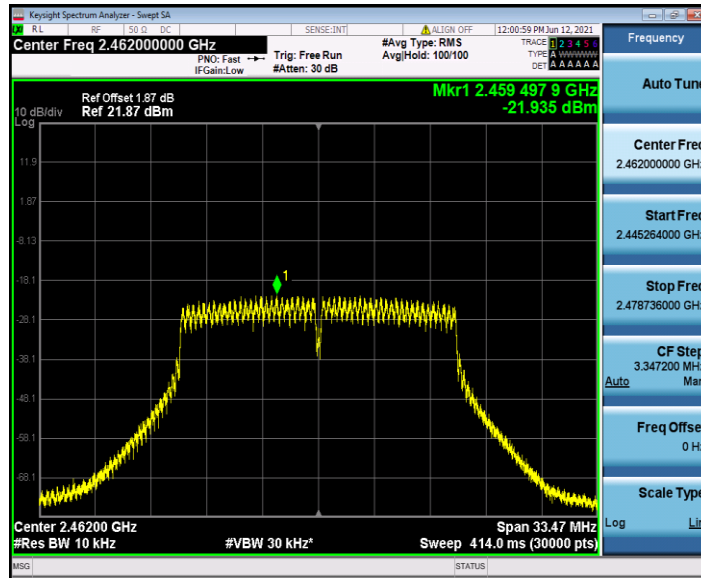


11G\_Ant2\_2442

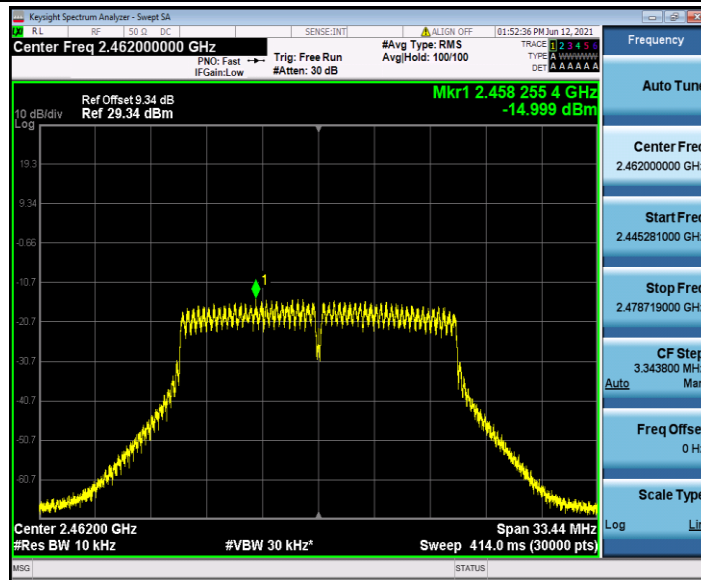




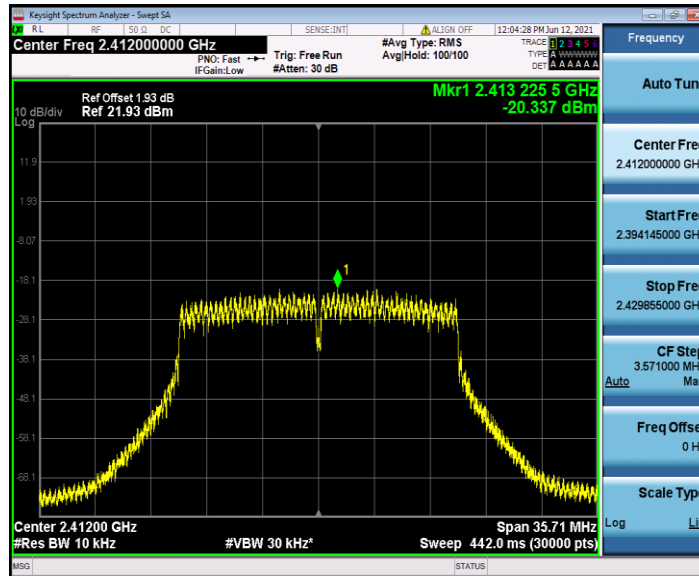
11G\_Ant1\_2462



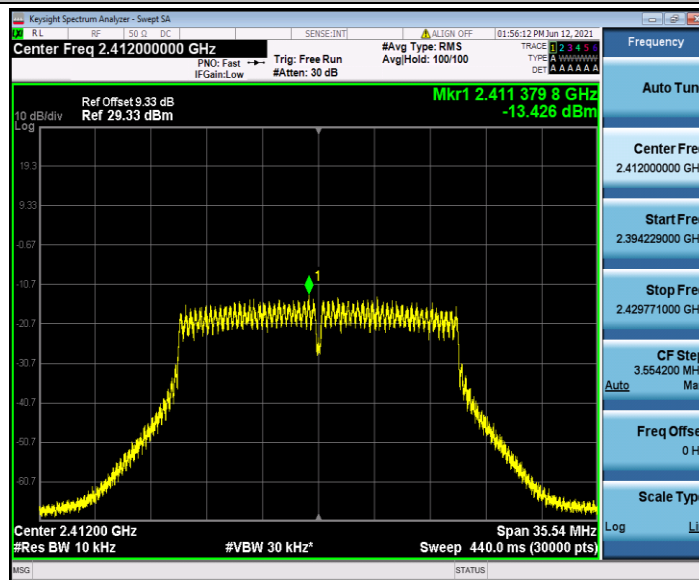
11G\_Ant2\_2462



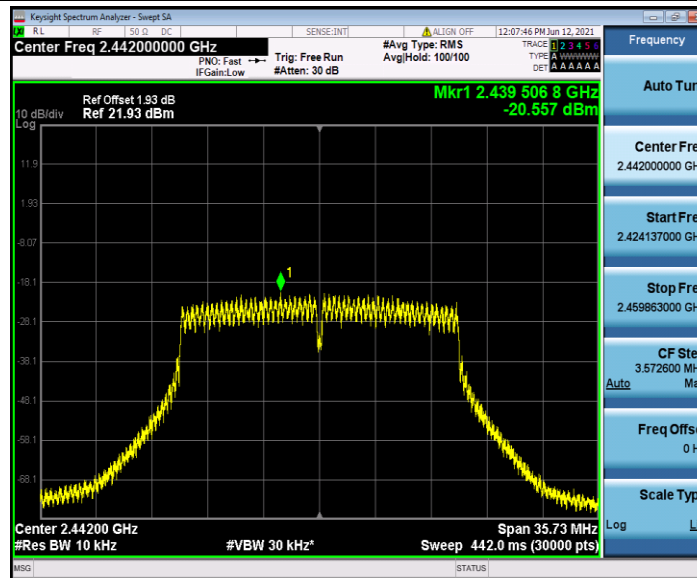
11N20SISO\_Ant1\_2412



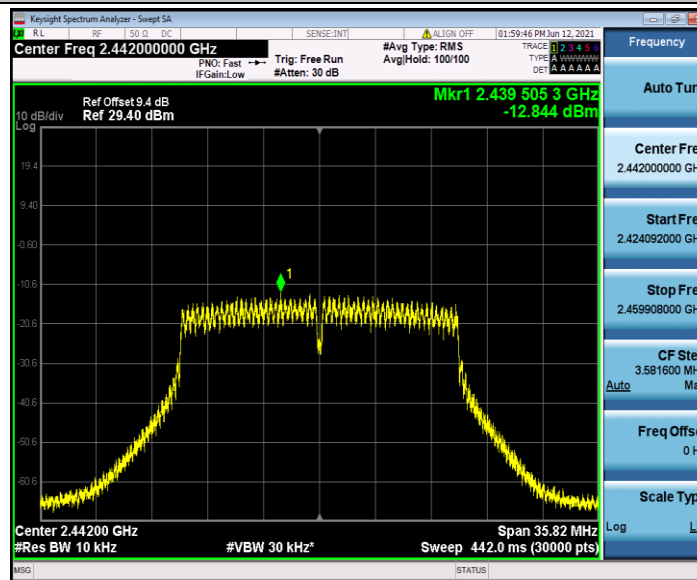
11N20SISO\_Ant2\_2412



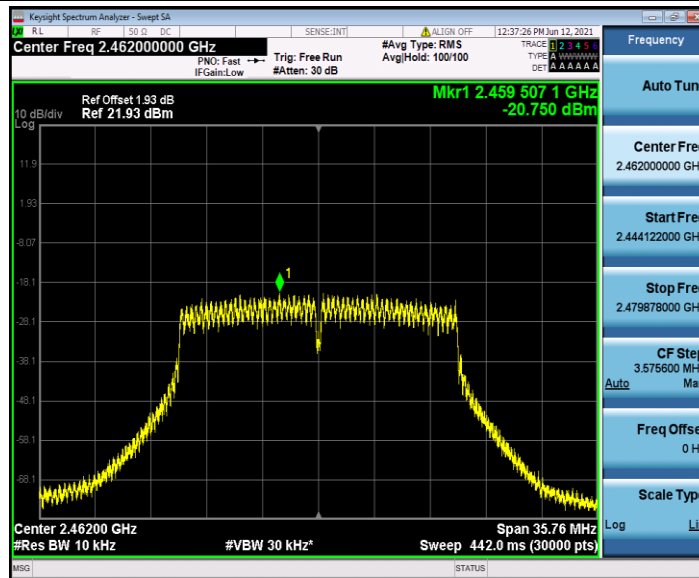
11N20SISO\_Ant1\_2442



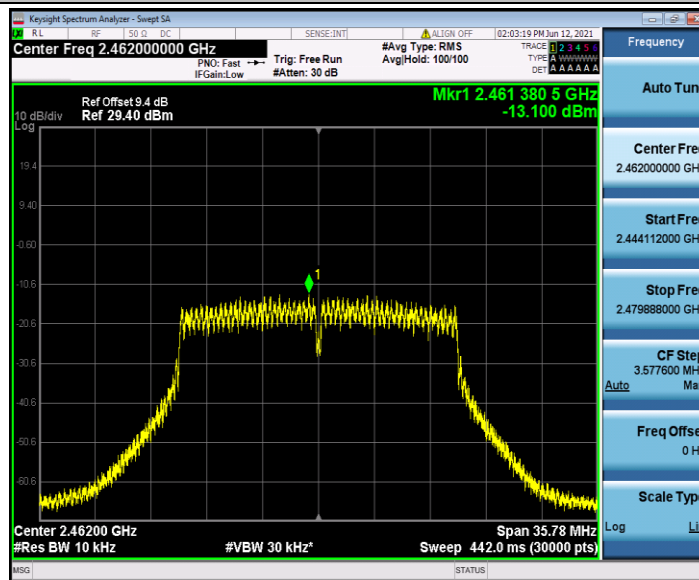
11N20SISO\_Ant2\_2442



11N20SISO\_Ant1\_2462

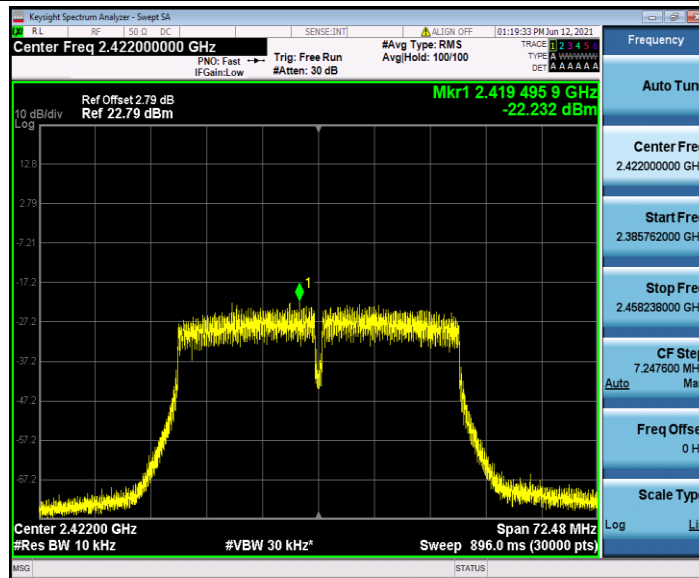


11N20SISO\_Ant2\_2462

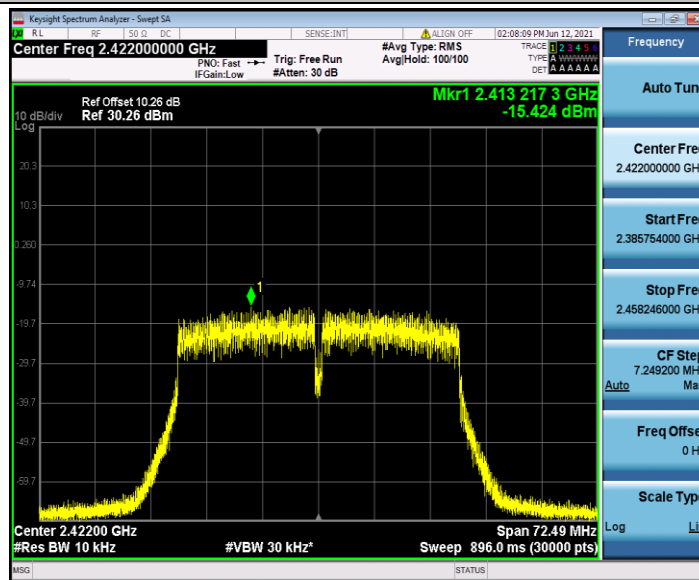




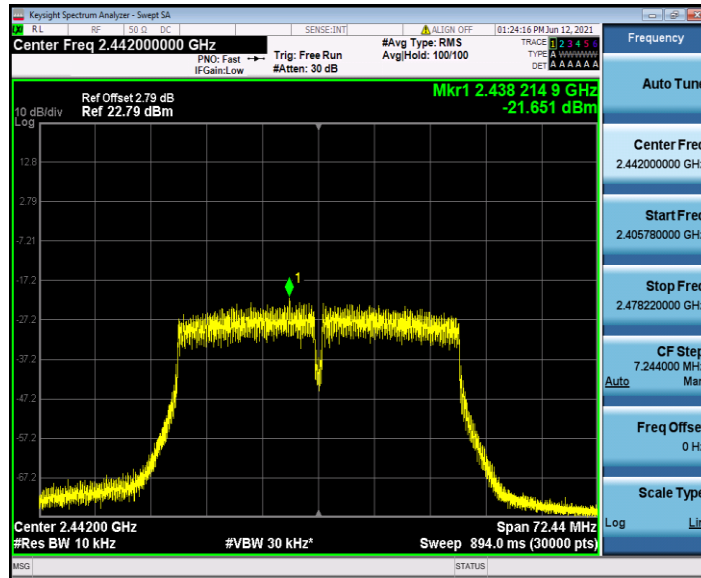
11N40SISO\_Ant1\_2422



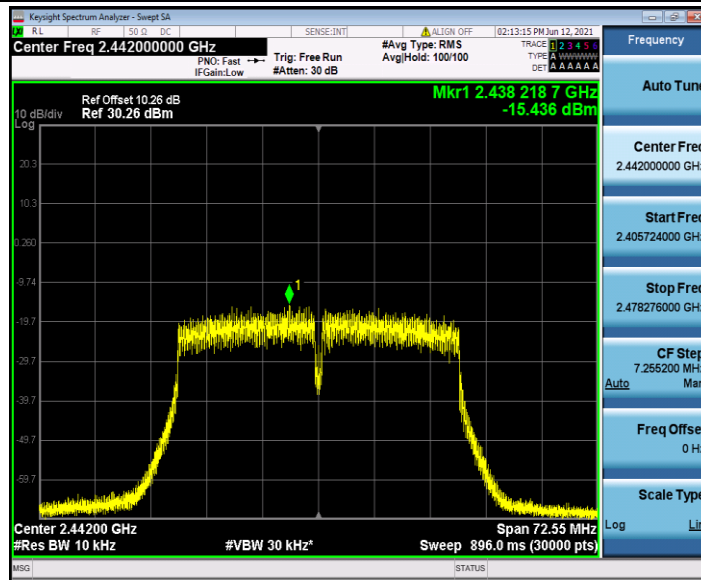
11N40SISO\_Ant2\_2422



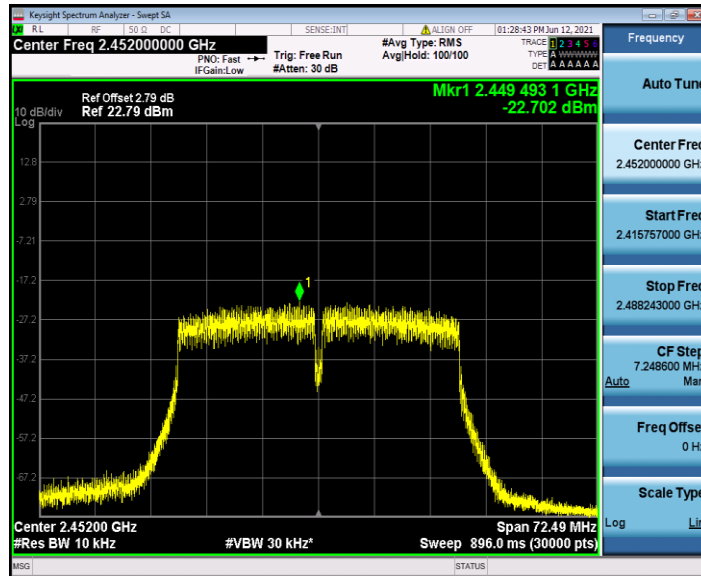
11N40SISO\_Ant1\_2442



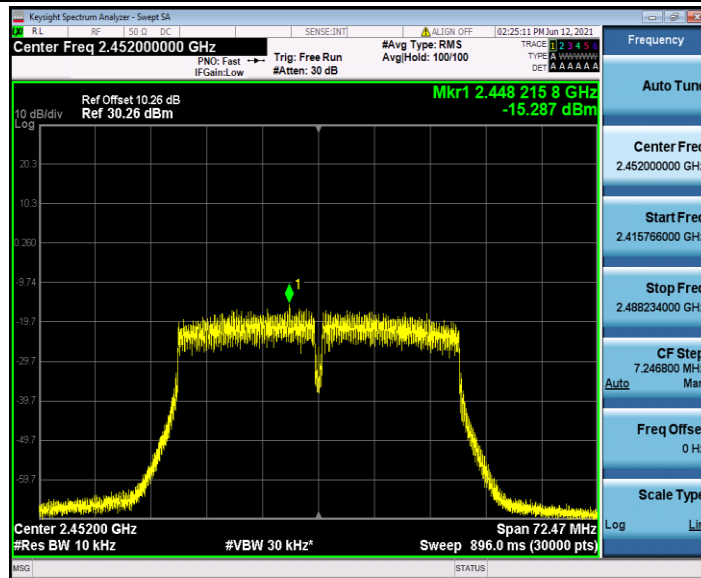
11N40SISO\_Ant2\_2442



11N40SISO\_Ant1\_2452



11N40SISO\_Ant2\_2452

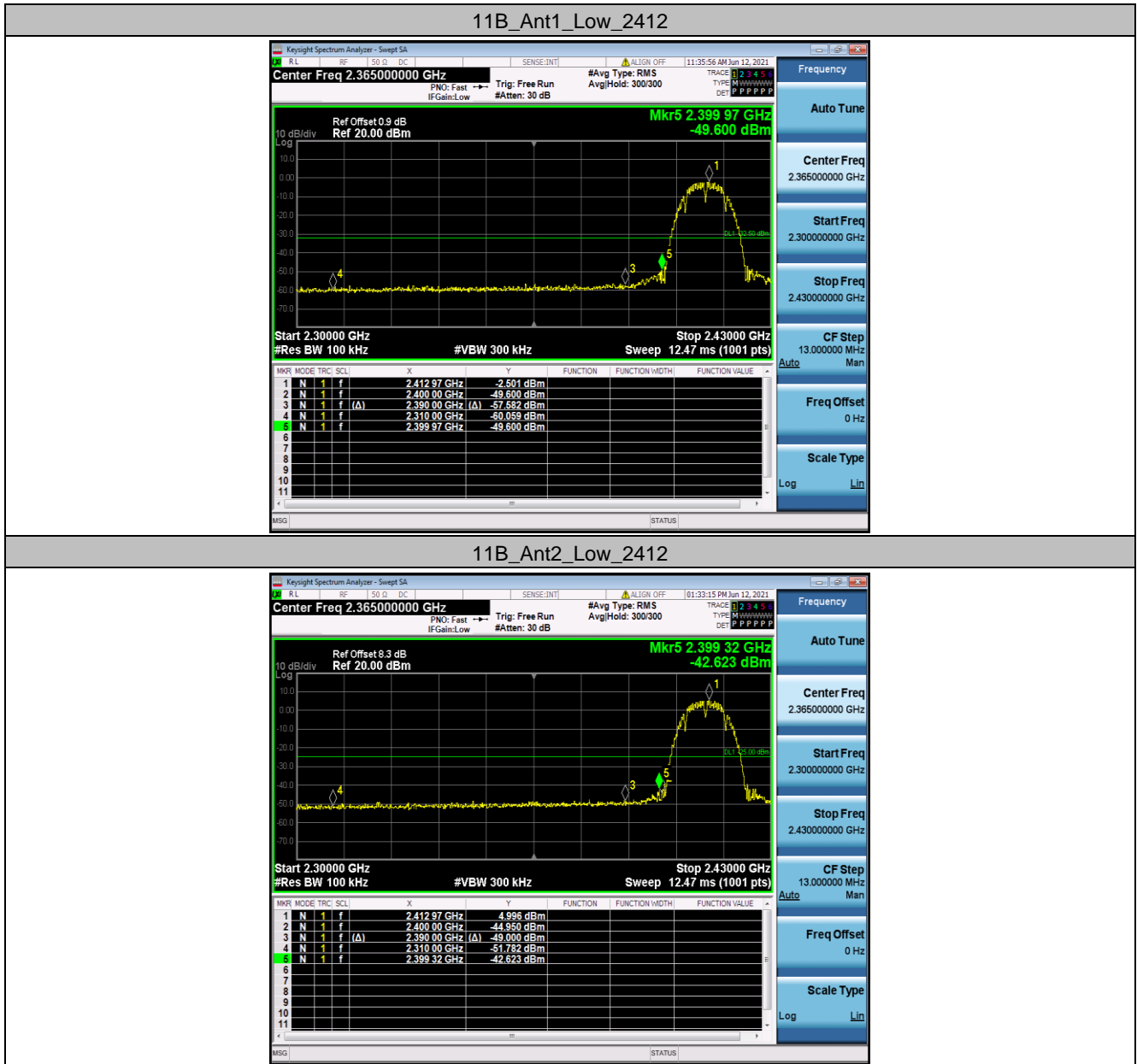


**8.4 Appendix D: Band edge measurements****8.4.1 Test Result**

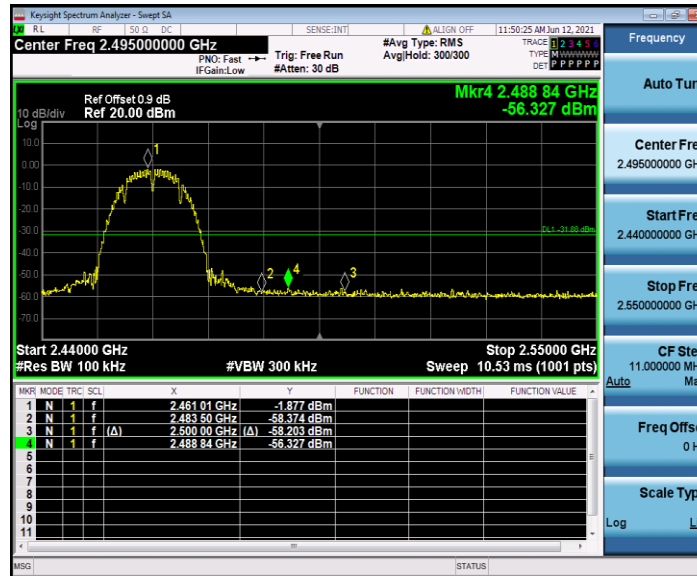
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-2.50	-49.6	<=-32.5	PASS
	Ant2	Low	2412	5.00	-42.62	<=-25	PASS
	Ant1	High	2462	-1.88	-56.33	<=-31.88	PASS
	Ant2	High	2462	4.79	-47.6	<=-25.21	PASS
11G	Ant1	Low	2412	-4.83	-43.58	<=-34.83	PASS
	Ant2	Low	2412	2.51	-37.31	<=-27.49	PASS
	Ant1	High	2462	-5.05	-56.57	<=-35.05	PASS
	Ant2	High	2462	2.18	-49.69	<=-27.82	PASS
11N20SISO	Ant1	Low	2412	-3.80	-40.37	<=-33.8	PASS
	Ant2	Low	2412	2.59	-33.79	<=-27.41	PASS
	Ant1	High	2462	-3.98	-56.64	<=-33.98	PASS
	Ant2	High	2462	3.08	-47.22	<=-26.92	PASS
11N40SISO	Ant1	Low	2422	-6.33	-46.22	<=-36.33	PASS
	Ant2	Low	2422	0.31	-40.43	<=-29.69	PASS
	Ant1	High	2452	-6.58	-53.91	<=-36.58	PASS
	Ant2	High	2452	-0.04	-44.29	<=-30.04	PASS



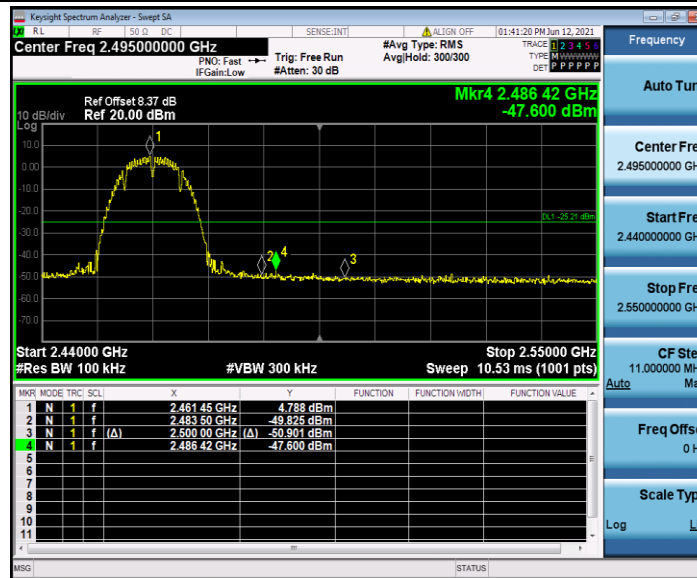
### 8.4.2 Test Graphs



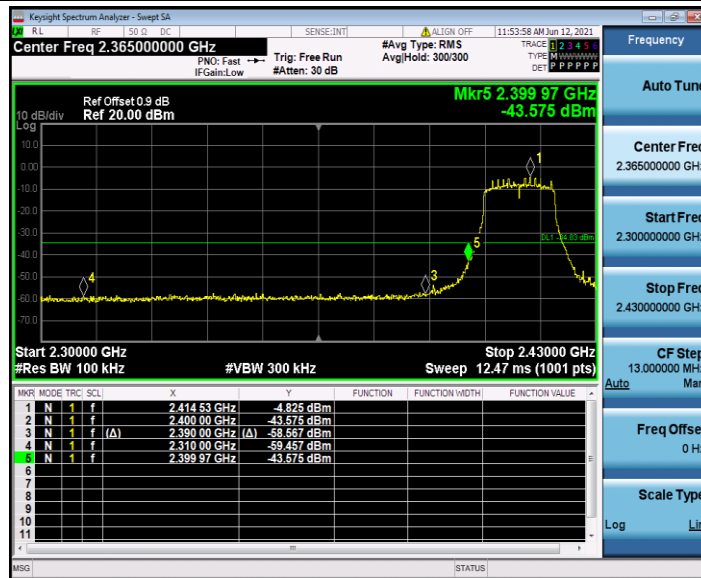
### 11B\_Ant1\_High\_2462



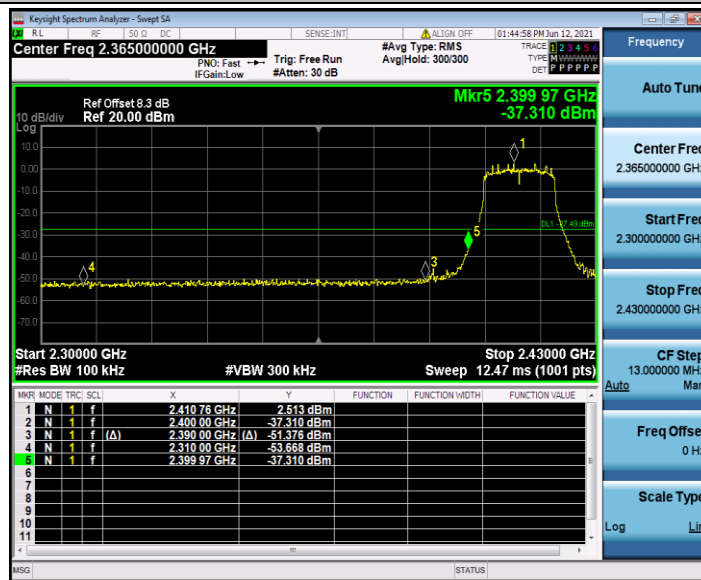
### 11B\_Ant2\_High\_2462



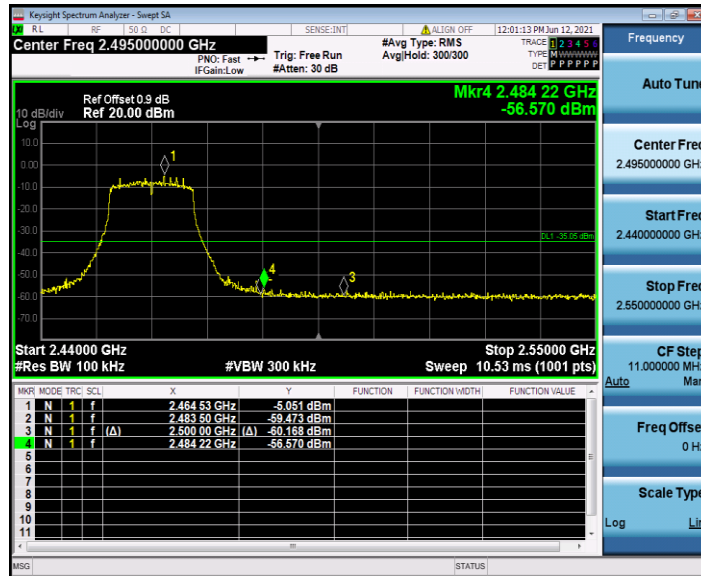
### 11G\_Ant1\_Low\_2412



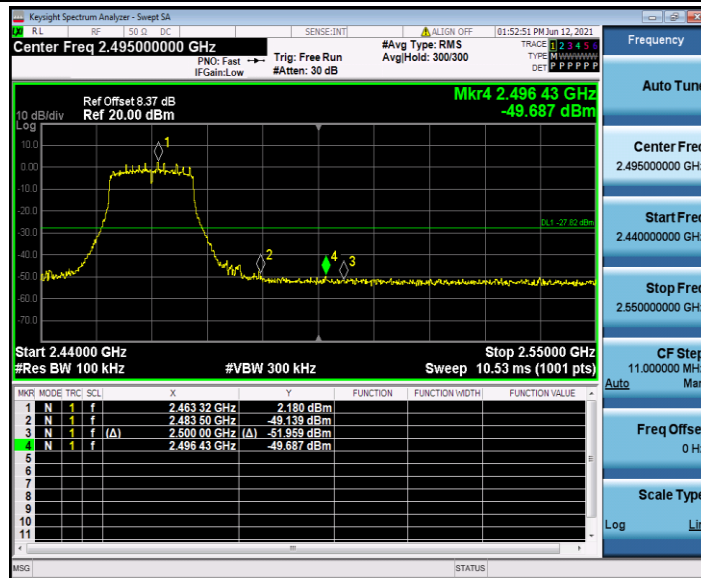
### 11G\_Ant2\_Low\_2412



### 11G\_Ant1\_High\_2462

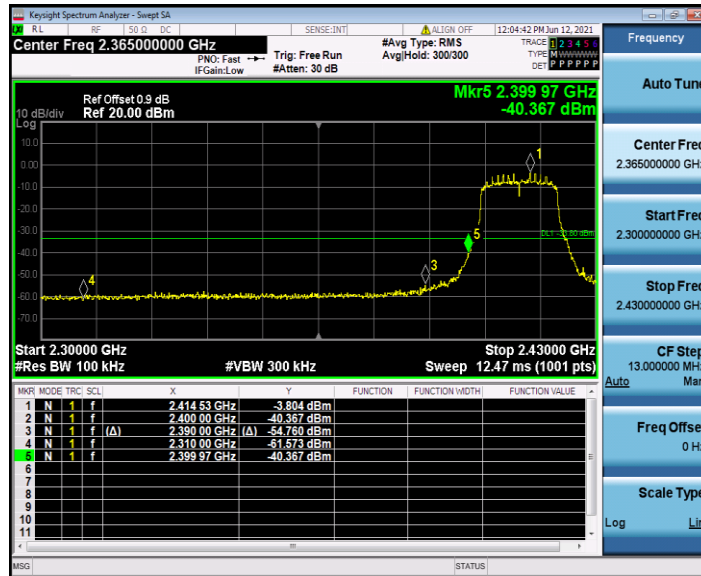


### 11G\_Ant2\_High\_2462

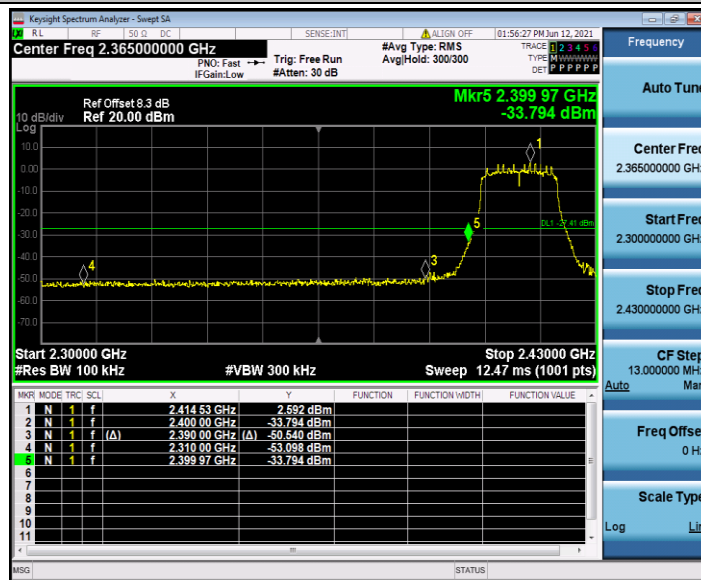




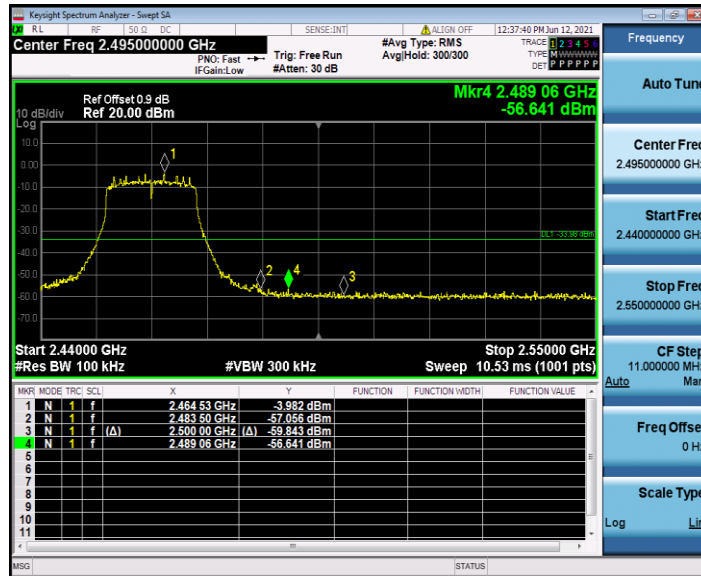
### 11N20SISO\_Ant1\_Low\_2412



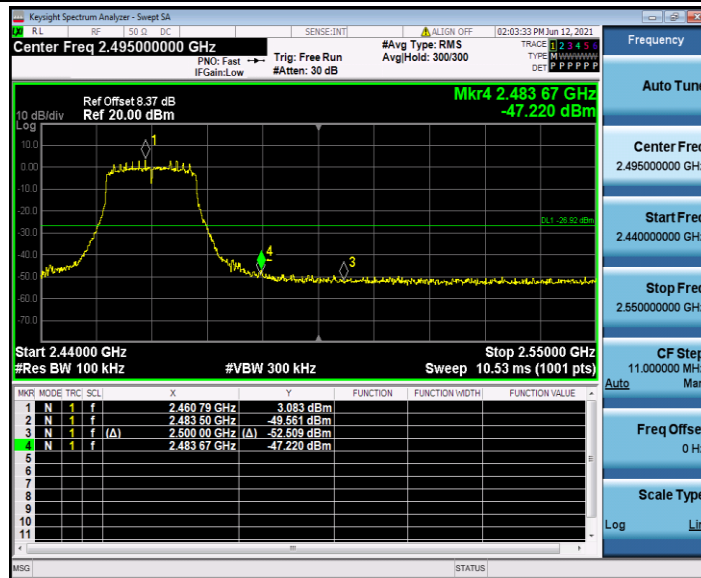
### 11N20SISO\_Ant2\_Low\_2412



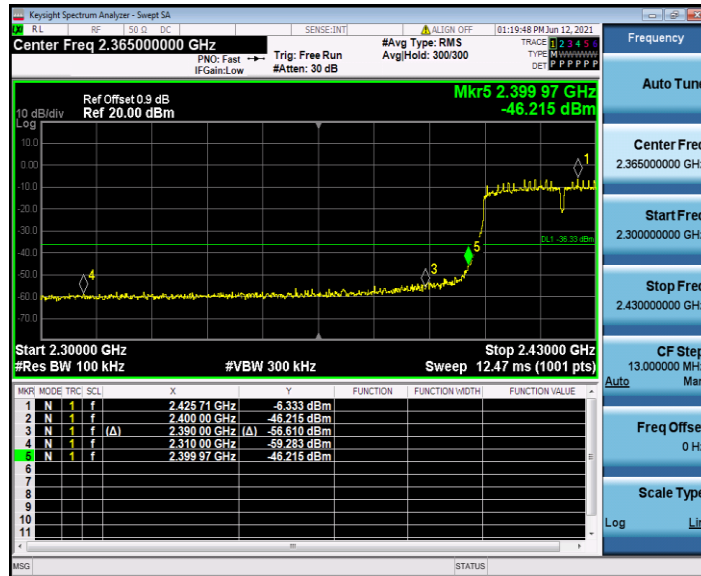
### 11N20SISO\_Ant1\_High\_2462



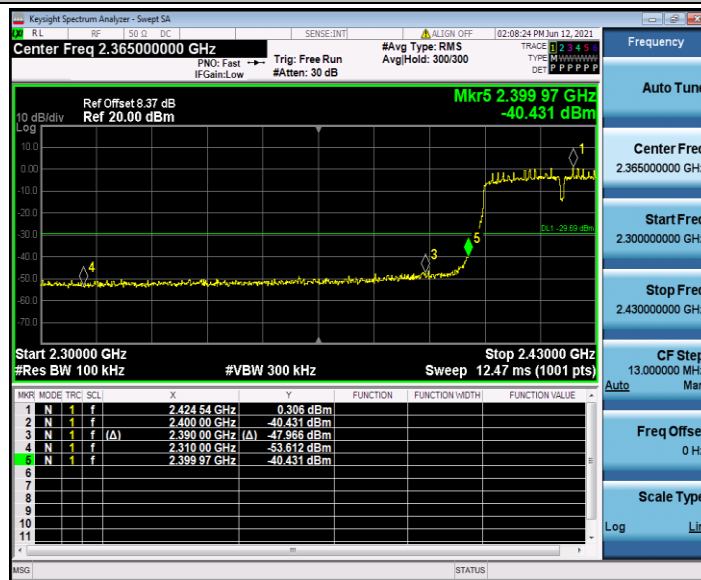
### 11N20SISO\_Ant2\_High\_2462



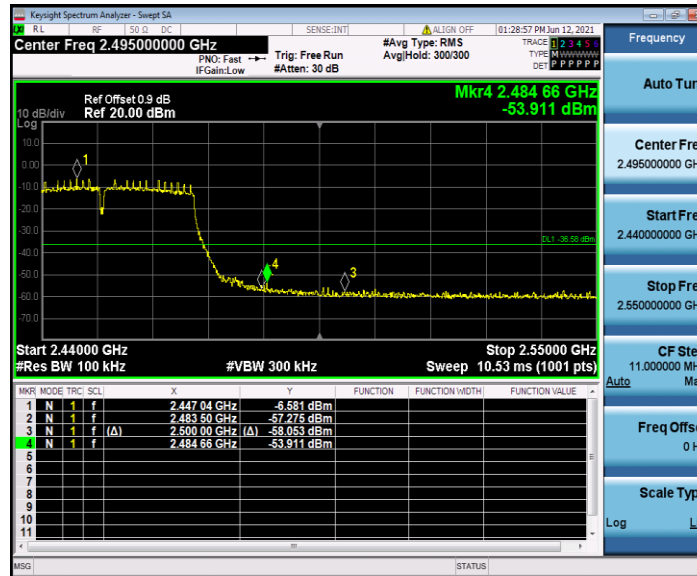
### 11N40SISO\_Ant1\_Low\_2422



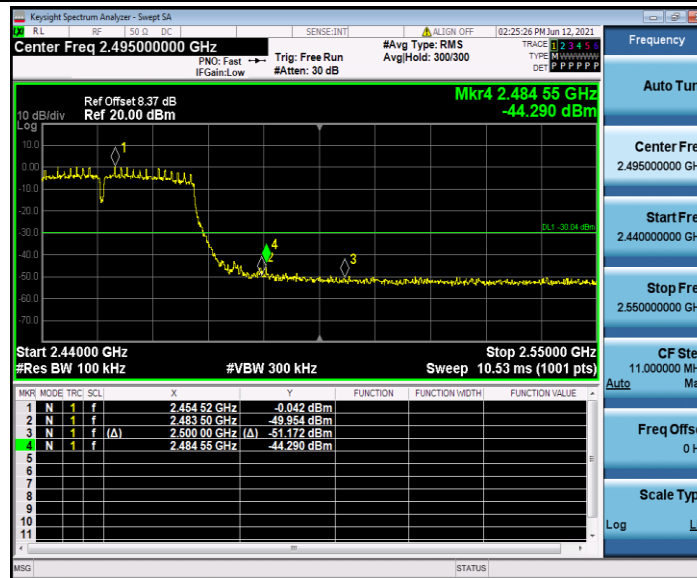
### 11N40SISO\_Ant2\_Low\_2422



### 11N40SISO\_Ant1\_High\_2452



### 11N40SISO\_Ant2\_High\_2452



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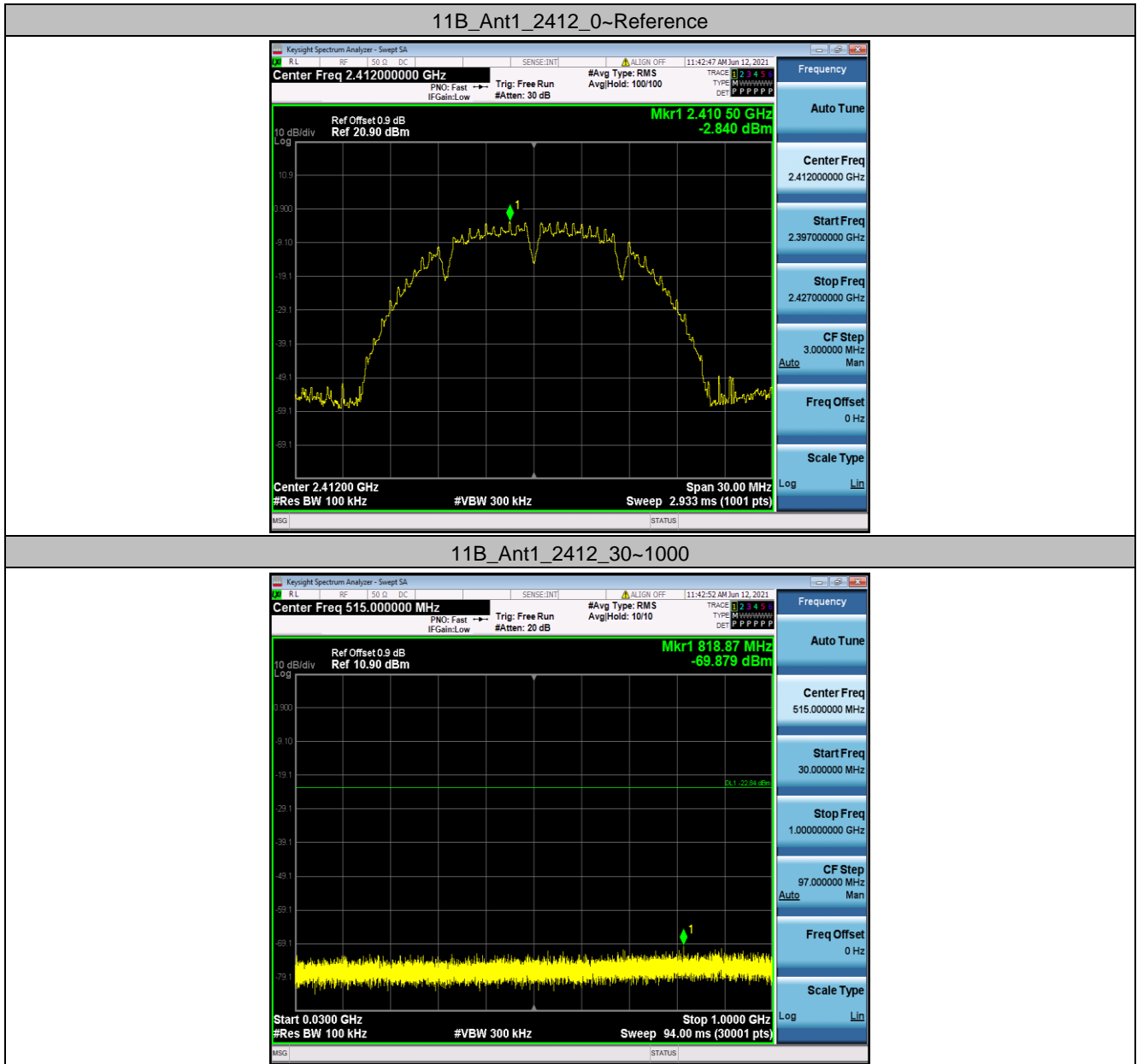


**8.5 Appendix E: Conducted Spurious Emission****8.5.1 Test Result**

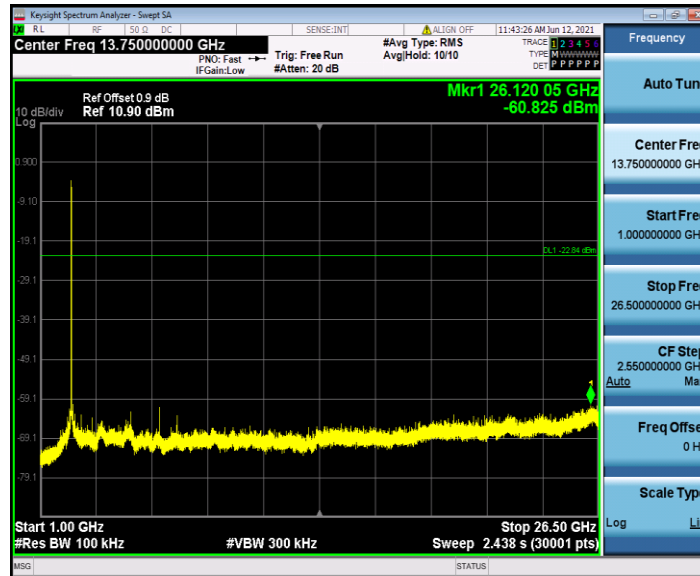
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.84	-2.84	---	PASS
			30~1000	---	-69.879	<=-22.84	PASS
			1000~26500	---	-60.825	<=-22.84	PASS
	Ant2	2412	Reference	4.75	4.75	---	PASS
			30~1000	---	-61.662	<=-15.254	PASS
			1000~26500	---	-51.369	<=-15.254	PASS
	Ant1	2442	Reference	-2.19	-2.19	---	PASS
			30~1000	---	-69.627	<=-22.194	PASS
			1000~26500	---	-59.91	<=-22.194	PASS
	Ant2	2442	Reference	4.92	4.92	---	PASS
			30~1000	---	-62.059	<=-15.079	PASS
			1000~26500	---	-52.996	<=-15.079	PASS
	Ant1	2462	Reference	-1.98	-1.98	---	PASS
			30~1000	---	-69.562	<=-21.975	PASS
			1000~26500	---	-59.961	<=-21.975	PASS
	Ant2	2462	Reference	4.86	4.86	---	PASS
			30~1000	---	-62.746	<=-15.143	PASS
			1000~26500	---	-53.348	<=-15.143	PASS
11G	Ant1	2412	Reference	-4.79	-4.79	---	PASS
			30~1000	---	-70.39	<=-24.792	PASS
			1000~26500	---	-60.137	<=-24.792	PASS
	Ant2	2412	Reference	1.39	1.39	---	PASS
			30~1000	---	-63.151	<=-18.615	PASS
			1000~26500	---	-52.861	<=-18.615	PASS
	Ant1	2442	Reference	-4.63	-4.63	---	PASS
			30~1000	---	-70.012	<=-24.632	PASS
			1000~26500	---	-59.815	<=-24.632	PASS
	Ant2	2442	Reference	1.72	1.72	---	PASS
			30~1000	---	-63.201	<=-18.285	PASS
			1000~26500	---	-52.082	<=-18.285	PASS
	Ant1	2462	Reference	-4.54	-4.54	---	PASS
			30~1000	---	-70.206	<=-24.542	PASS
			1000~26500	---	-60.584	<=-24.542	PASS
	Ant2	2462	Reference	2.00	2.00	---	PASS
			30~1000	---	-62.347	<=-18.003	PASS
			1000~26500	---	-53.322	<=-18.003	PASS

11N20SISO	Ant1	2412	Reference	-4.18	-4.18	---	PASS
			30~1000	30~1000	-70.226	<=-24.182	PASS
			1000~26500	1000~26500	-60.29	<=-24.182	PASS
	Ant2	2412	Reference	2.05	2.05	---	PASS
			30~1000	30~1000	-62.545	<=-17.947	PASS
			1000~26500	1000~26500	-53.115	<=-17.947	PASS
	Ant1	2442	Reference	-4.20	-4.20	---	PASS
			30~1000	30~1000	-70.156	<=-24.197	PASS
			1000~26500	1000~26500	-58.231	<=-24.197	PASS
	Ant2	2442	Reference	2.98	2.98	---	PASS
			30~1000	30~1000	-63.17	<=-17.019	PASS
			1000~26500	1000~26500	-52.786	<=-17.019	PASS
11N40SISO	Ant1	2422	Reference	-3.94	-3.94	---	PASS
			30~1000	30~1000	-70.39	<=-23.938	PASS
			1000~26500	1000~26500	-59.855	<=-23.938	PASS
	Ant2	2462	Reference	2.50	2.50	---	PASS
			30~1000	30~1000	-62.591	<=-17.497	PASS
			1000~26500	1000~26500	-52.281	<=-17.497	PASS
	Ant1	2442	Reference	-6.28	-6.28	---	PASS
			30~1000	30~1000	-67.35	<=-26.277	PASS
			1000~26500	1000~26500	-60.391	<=-26.277	PASS
	Ant2	2422	Reference	0.24	0.24	---	PASS
			30~1000	30~1000	-62.386	<=-19.76	PASS
			1000~26500	1000~26500	-52.617	<=-19.76	PASS
	Ant1	2442	Reference	-6.44	-6.44	---	PASS
			30~1000	30~1000	-67.432	<=-26.441	PASS
			1000~26500	1000~26500	-59.94	<=-26.441	PASS
	Ant2	2442	Reference	-0.27	-0.27	---	PASS
			30~1000	30~1000	-58.866	<=-20.274	PASS
			1000~26500	1000~26500	-51.287	<=-20.274	PASS
	Ant1	2452	Reference	-6.59	-6.59	---	PASS
			30~1000	30~1000	-65.834	<=-26.585	PASS
			1000~26500	1000~26500	-60.185	<=-26.585	PASS
	Ant2	2452	Reference	-0.60	-0.60	---	PASS
			30~1000	30~1000	-62.043	<=-20.596	PASS
			1000~26500	1000~26500	-53.542	<=-20.596	PASS

### 8.5.2 Test Graphs



11B\_Ant1\_2412\_1000~26500

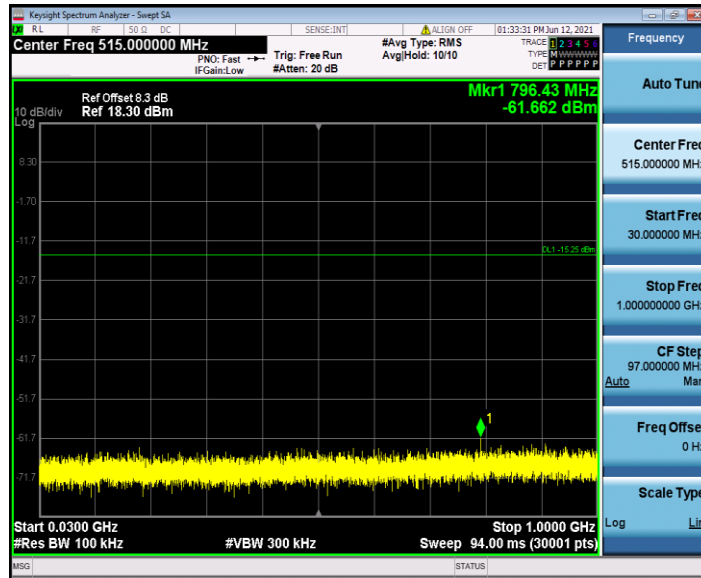


11B\_Ant2\_2412\_0~Reference

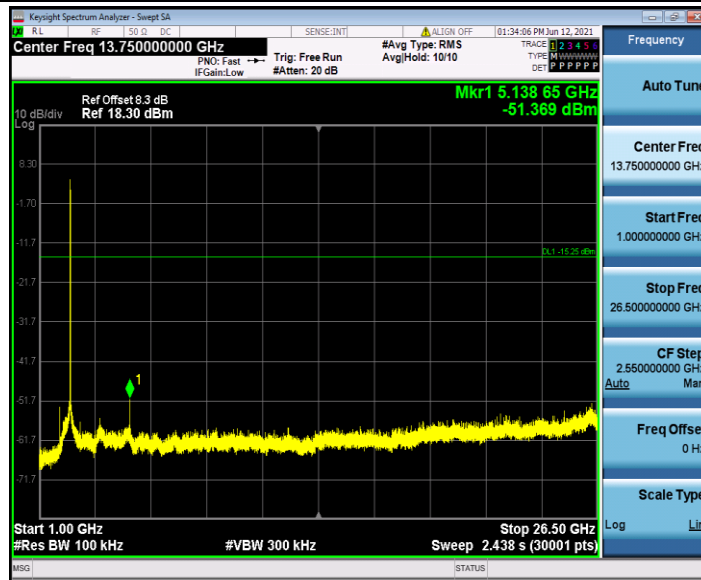




### 11B\_Ant2\_2412\_30~1000



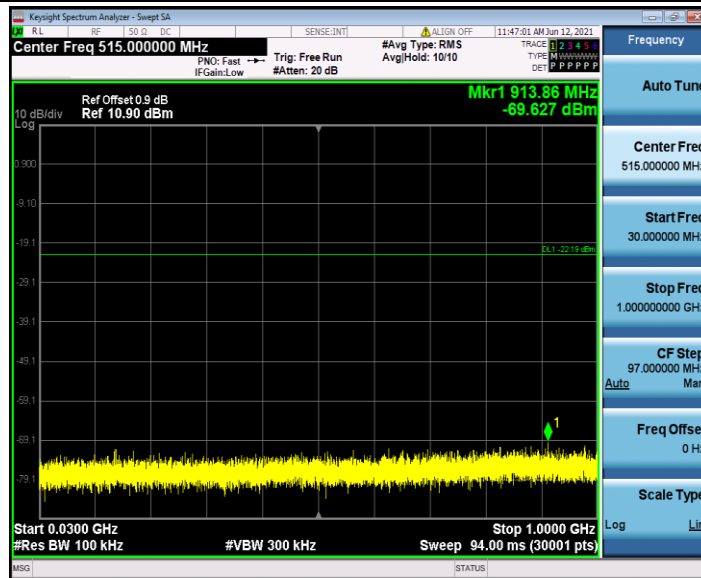
### 11B\_Ant2\_2412\_1000~26500



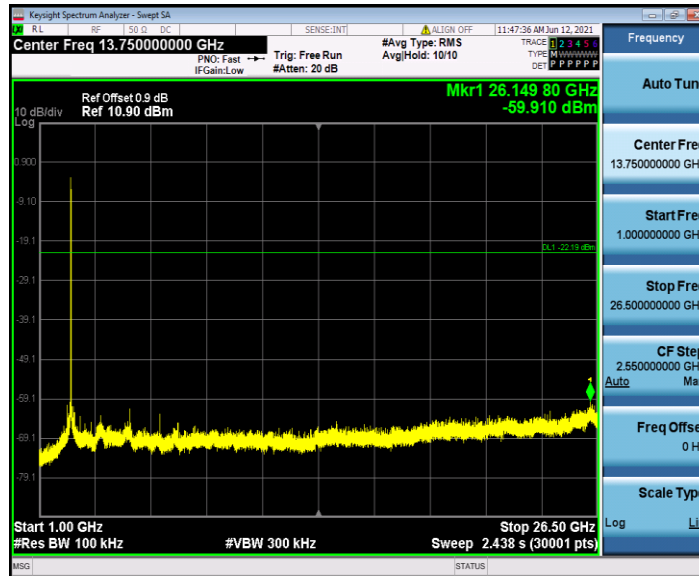
### 11B\_Ant1\_2442\_0~Reference



### 11B\_Ant1\_2442\_30~1000



11B\_Ant1\_2442\_1000~26500



11B\_Ant2\_2442\_0-Reference

