

## 11.5. APPENDIX E: BAND EDGE MEASUREMENTS

### 11.5.1. Test Result

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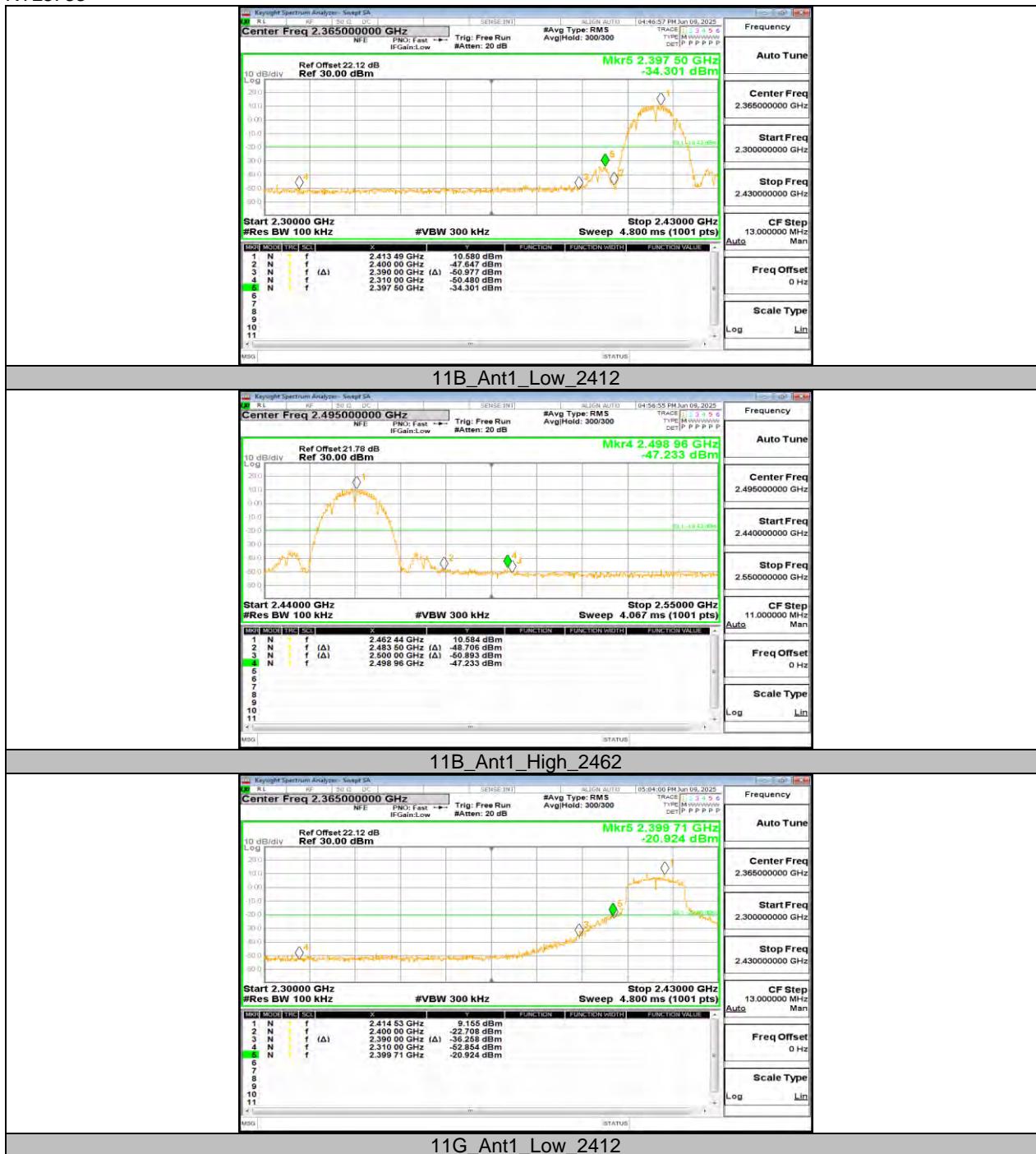
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.58	-34.3	≤-19.42	PASS
		High	2462	10.58	-47.23	≤-19.42	PASS
11G	Ant1	Low	2412	9.16	-20.92	≤-20.85	PASS
		High	2462	9.66	-33.19	≤-20.34	PASS
11N20SISO	Ant1	Low	2412	10.28	-20.12	≤-19.72	PASS
		High	2462	7.80	-31.66	≤-22.2	PASS

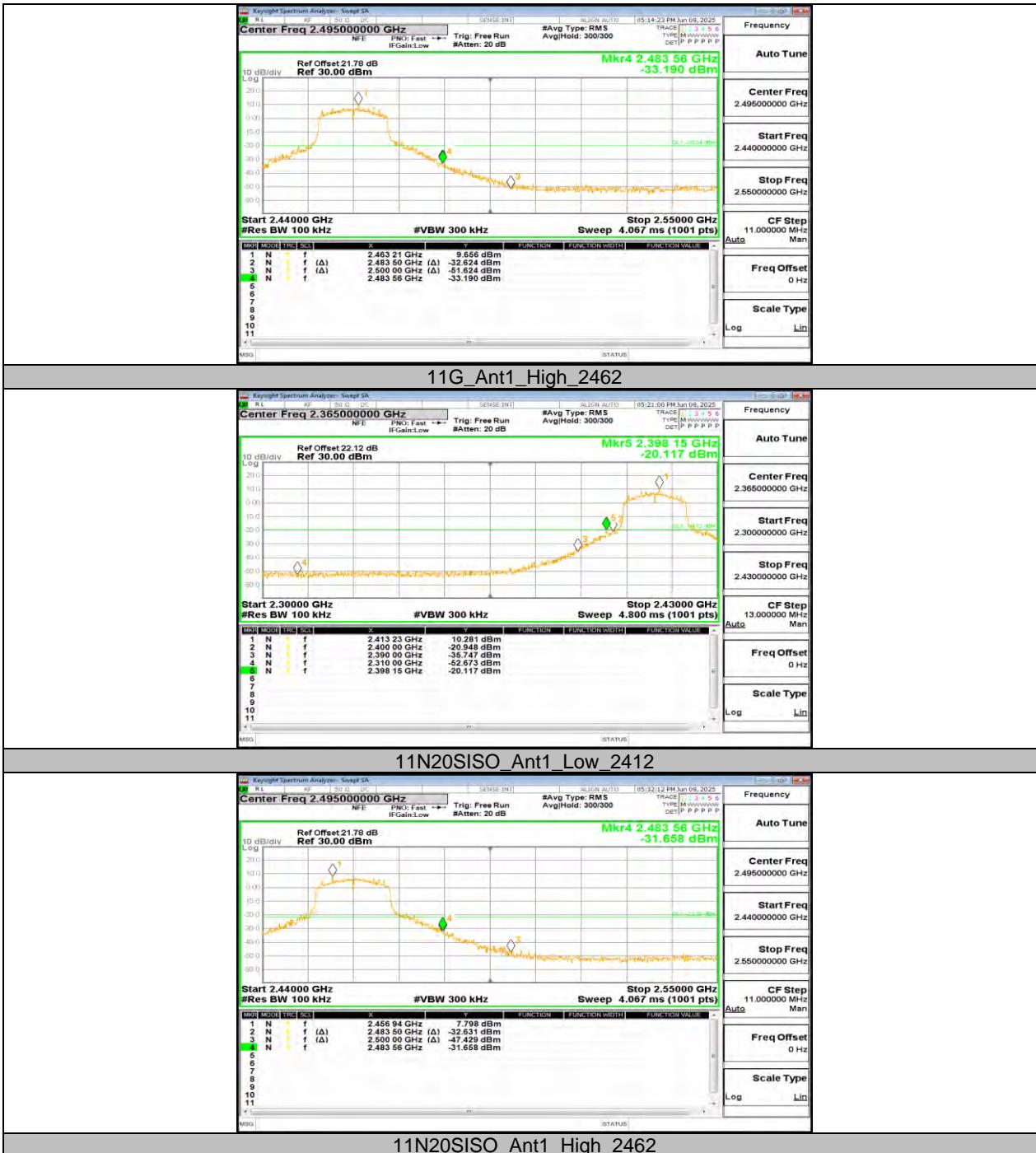
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Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.00	-27.58	≤-20	PASS
		Low	2412	9.38	-27.49	≤-20.62	PASS
	Ant1	High	2462	10.92	-36.64	≤-19.08	PASS
	Ant2	High	2462	10.54	-37.23	≤-19.46	PASS
11G	Ant1	Low	2412	6.43	-25.54	≤-23.57	PASS
		Low	2412	5.94	-26.74	≤-24.06	PASS
	Ant1	High	2462	7.07	-32.9	≤-22.94	PASS
	Ant2	High	2462	7.40	-28.44	≤-22.6	PASS
11N20MIMO	Ant1	Low	2412	5.99	-25.42	≤-24.01	PASS
		Low	2412	5.88	-27.23	≤-24.12	PASS
	Ant1	High	2462	4.47	-31.14	≤-25.53	PASS
	Ant2	High	2462	7.09	-27.29	≤-22.91	PASS

## 11.5.2. Test Graphs

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## 11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

### 11.6.1. Test Result

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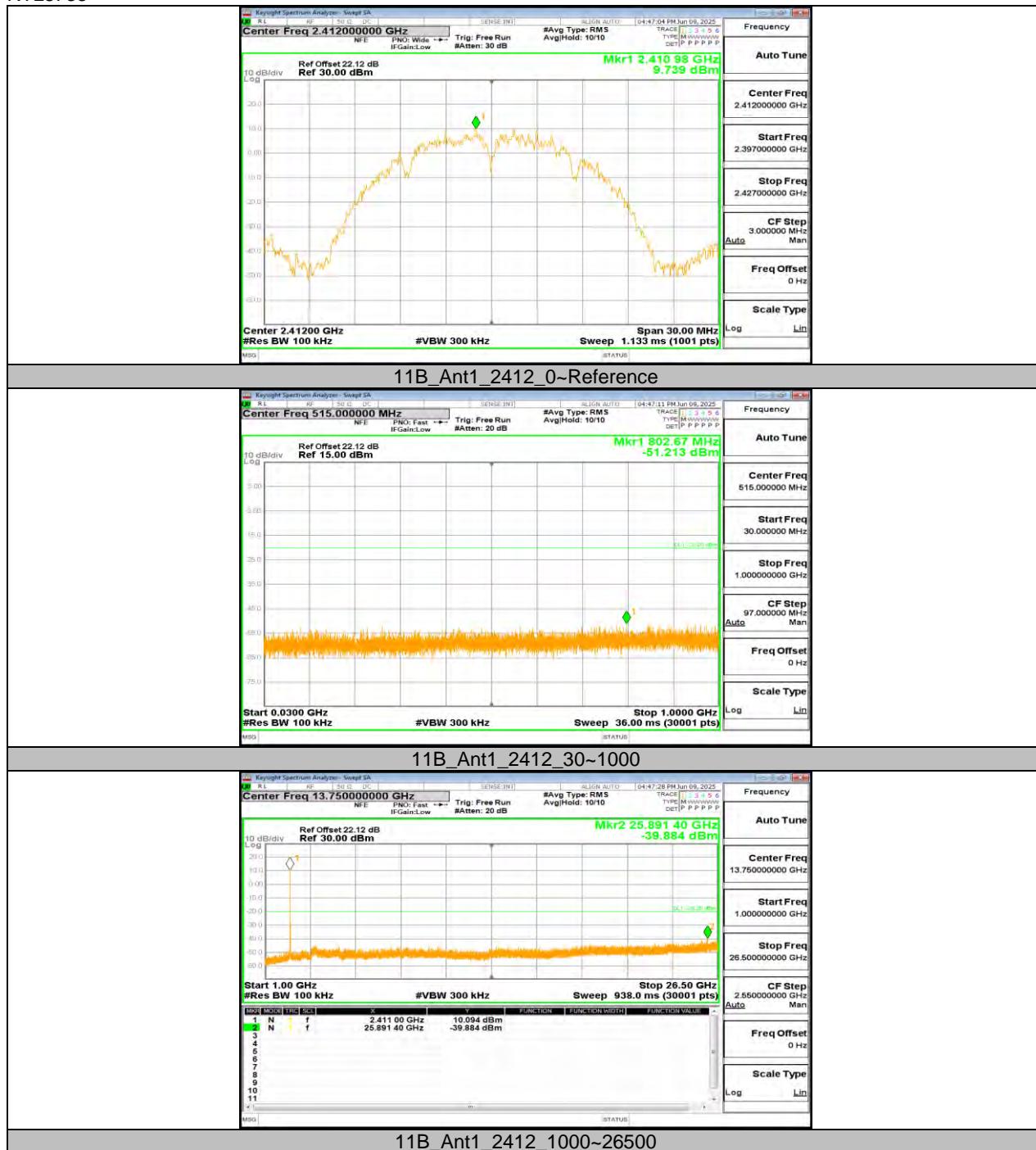
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.74	---	PASS
			30~1000	-51.21	≤-20.26	PASS
			1000~26500	-39.88	≤-20.26	PASS
		2437	Reference	10.10	---	PASS
			30~1000	-50.06	≤-19.9	PASS
			1000~26500	-41.51	≤-19.9	PASS
		2462	Reference	9.56	---	PASS
			30~1000	-50.97	≤-20.44	PASS
			1000~26500	-41.56	≤-20.44	PASS
11G	Ant1	2412	Reference	6.04	---	PASS
			30~1000	-50.54	≤-23.96	PASS
			1000~26500	-41.32	≤-23.96	PASS
		2437	Reference	5.79	---	PASS
			30~1000	-51.35	≤-24.21	PASS
			1000~26500	-40.07	≤-24.21	PASS
		2462	Reference	5.92	---	PASS
			30~1000	-51.72	≤-24.08	PASS
			1000~26500	-41.59	≤-24.08	PASS
11N20SISO	Ant1	2412	Reference	6.37	---	PASS
			30~1000	-50.46	≤-23.63	PASS
			1000~26500	-40.84	≤-23.63	PASS
		2437	Reference	5.81	---	PASS
			30~1000	-51.68	≤-24.19	PASS
			1000~26500	-41.62	≤-24.19	PASS
		2462	Reference	5.82	---	PASS
			30~1000	-52.01	≤-24.18	PASS
			1000~26500	-41.07	≤-24.18	PASS

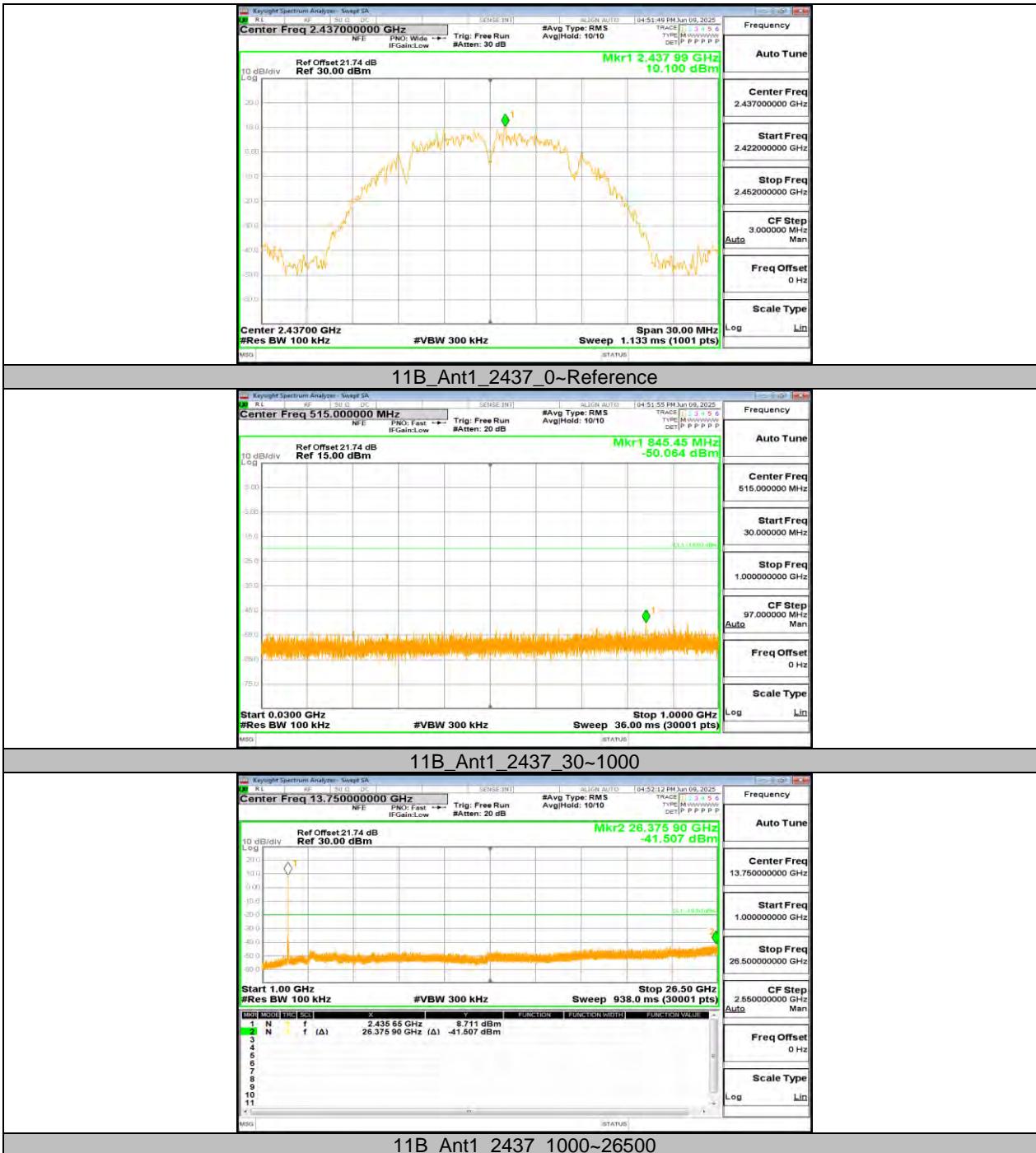
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Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.35	---	PASS
			30~1000	-50.05	≤-20.65	PASS
			1000~26500	-40.76	≤-20.65	PASS
	Ant2	2412	Reference	7.57	---	PASS
			30~1000	-50.23	≤-22.43	PASS
			1000~26500	-40.33	≤-22.43	PASS
	Ant1	2437	Reference	8.22	---	PASS
			30~1000	-51	≤-21.78	PASS
			1000~26500	-41.3	≤-21.78	PASS
	Ant2	2437	Reference	8.23	---	PASS
			30~1000	-50.97	≤-21.77	PASS
			1000~26500	-40.36	≤-21.77	PASS
11G	Ant1	2462	Reference	9.91	---	PASS
			30~1000	-50.72	≤-20.09	PASS
			1000~26500	-41.81	≤-20.09	PASS
	Ant2	2462	Reference	9.11	---	PASS
			30~1000	-50.98	≤-20.89	PASS
			1000~26500	-41.64	≤-20.89	PASS
	Ant1	2412	Reference	4.37	---	PASS
			30~1000	-50.74	≤-25.63	PASS
			1000~26500	-41.71	≤-25.63	PASS
	Ant2	2412	Reference	2.03	---	PASS
			30~1000	-51.07	≤-27.97	PASS
			1000~26500	-40.68	≤-27.97	PASS
11N20MIMO	Ant1	2437	Reference	3.69	---	PASS
			30~1000	-50.93	≤-26.31	PASS
			1000~26500	-41.63	≤-26.31	PASS
	Ant2	2437	Reference	3.14	---	PASS
			30~1000	-50.65	≤-26.86	PASS
			1000~26500	-41.4	≤-26.86	PASS
	Ant1	2462	Reference	3.03	---	PASS
			30~1000	-50.94	≤-26.97	PASS
			1000~26500	-41.29	≤-26.97	PASS
	Ant2	2462	Reference	4.21	---	PASS
			30~1000	-49.94	≤-25.79	PASS
			1000~26500	-40.57	≤-25.79	PASS
11N20MIMO	Ant1	2412	Reference	5.89	---	PASS
			30~1000	-50.92	≤-24.11	PASS
			1000~26500	-41.45	≤-24.11	PASS
	Ant2	2412	Reference	4.01	---	PASS
			30~1000	-50.54	≤-25.99	PASS
			1000~26500	-38.92	≤-25.99	PASS
	Ant1	2437	Reference	5.22	---	PASS
			30~1000	-50.99	≤-24.78	PASS
			1000~26500	-39.79	≤-24.78	PASS
	Ant2	2437	Reference	2.58	---	PASS
			30~1000	-51.86	≤-27.42	PASS
			1000~26500	-40.4	≤-27.42	PASS
	Ant1	2462	Reference	2.49	---	PASS
			30~1000	-50.6	≤-27.51	PASS
			1000~26500	-40.54	≤-27.51	PASS
	Ant2	2462	Reference	7.28	---	PASS
			30~1000	-50.12	≤-22.72	PASS
			1000~26500	-40.56	≤-22.72	PASS

## 11.6.2. Test Graphs

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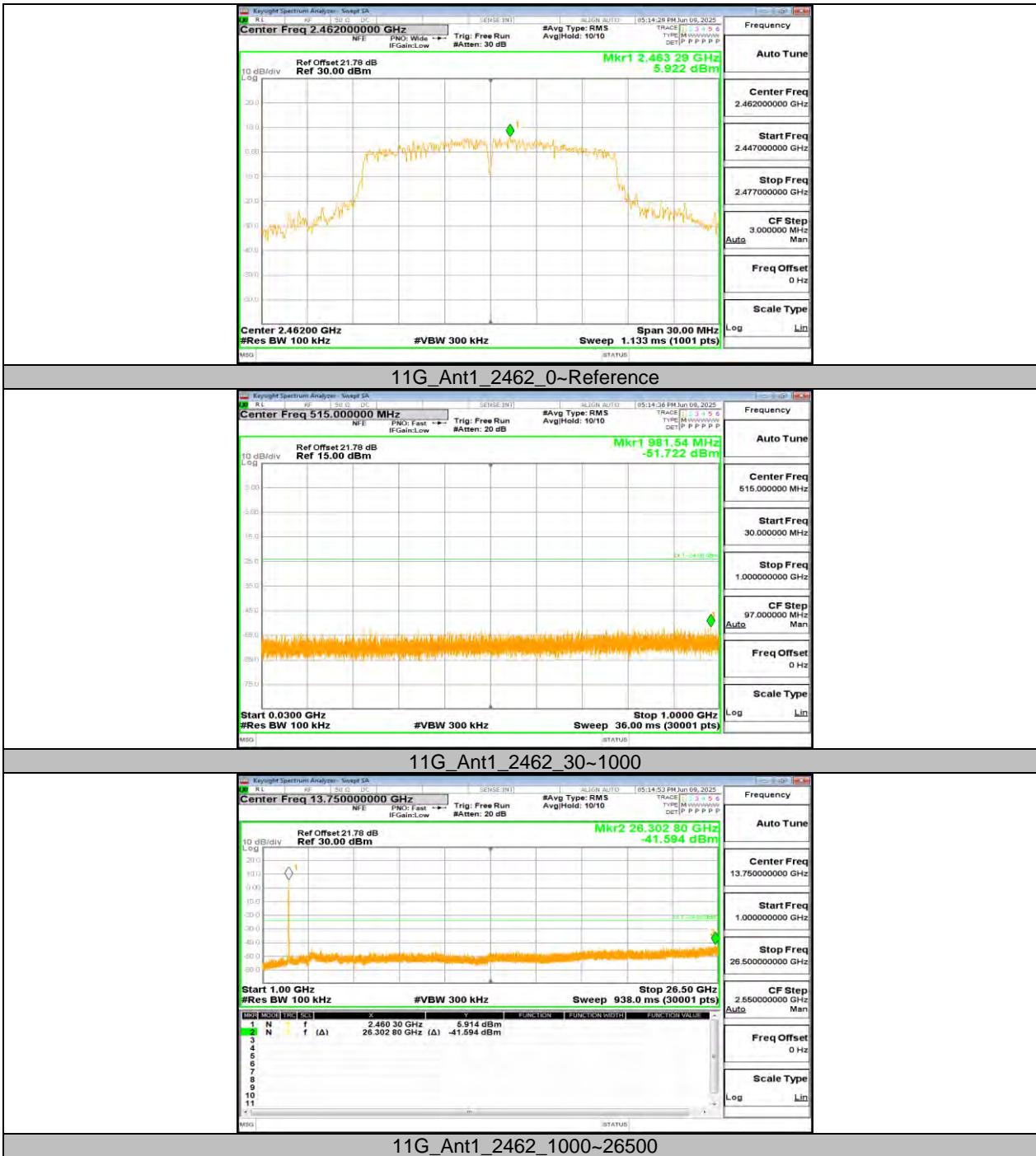


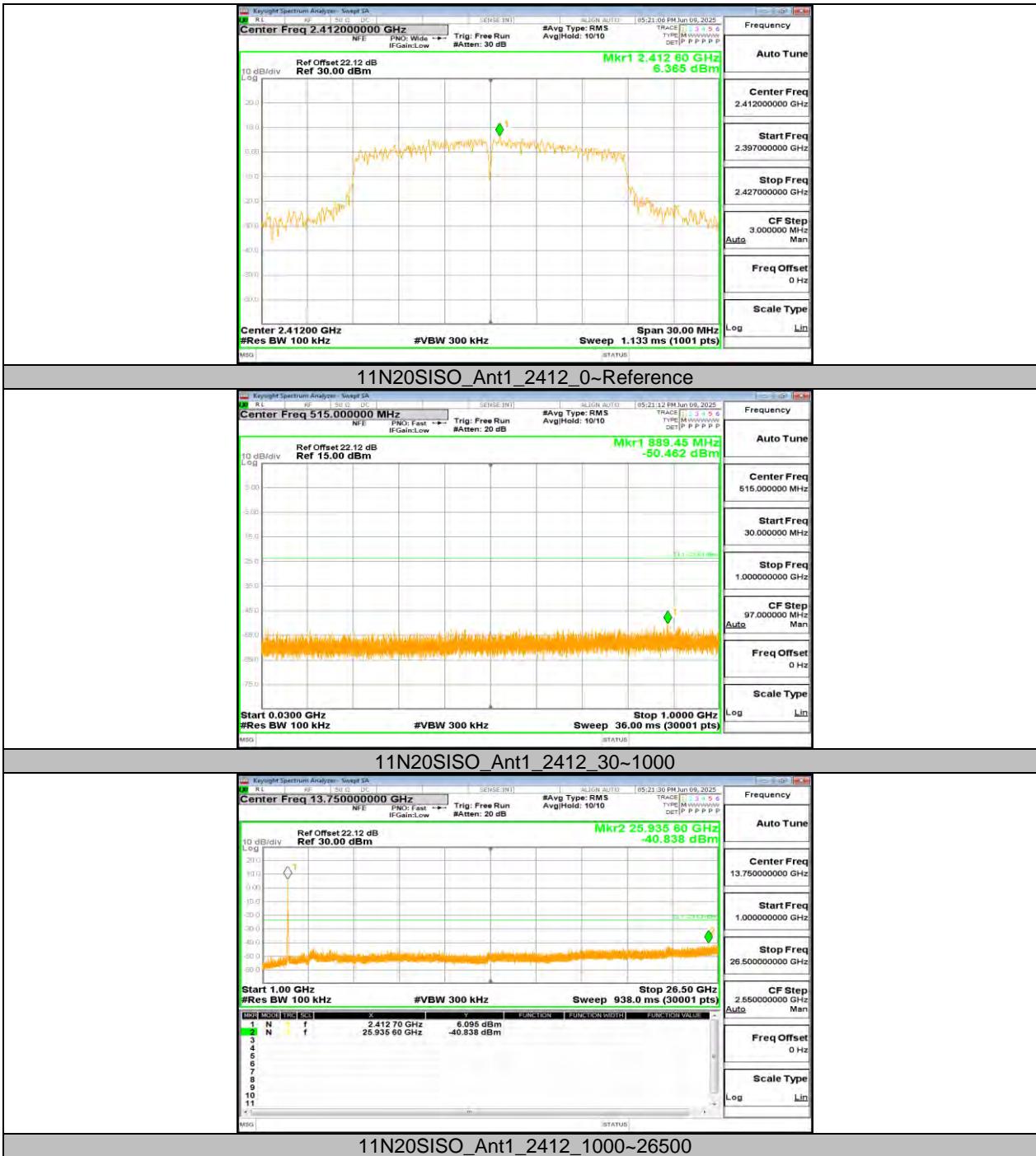






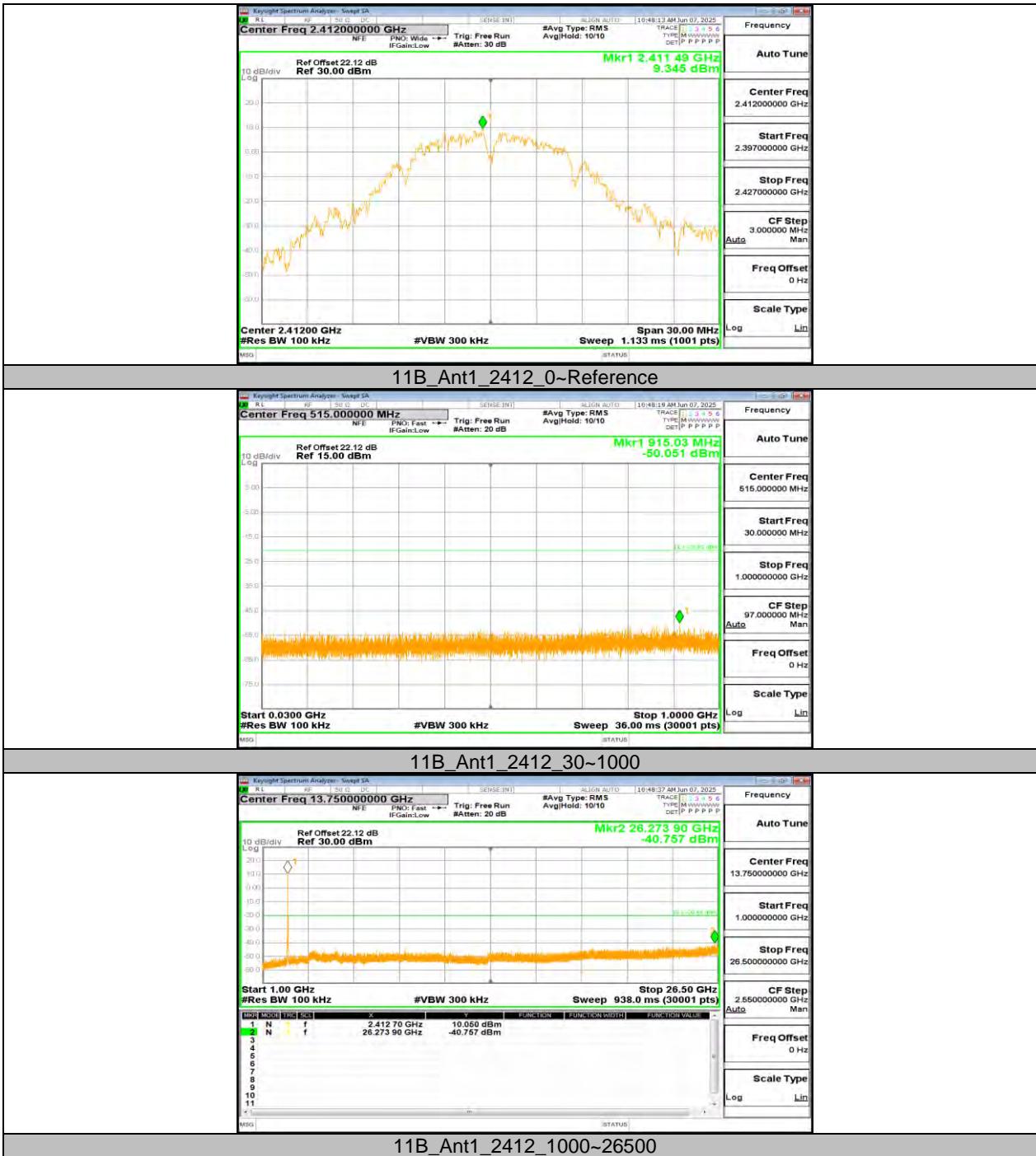


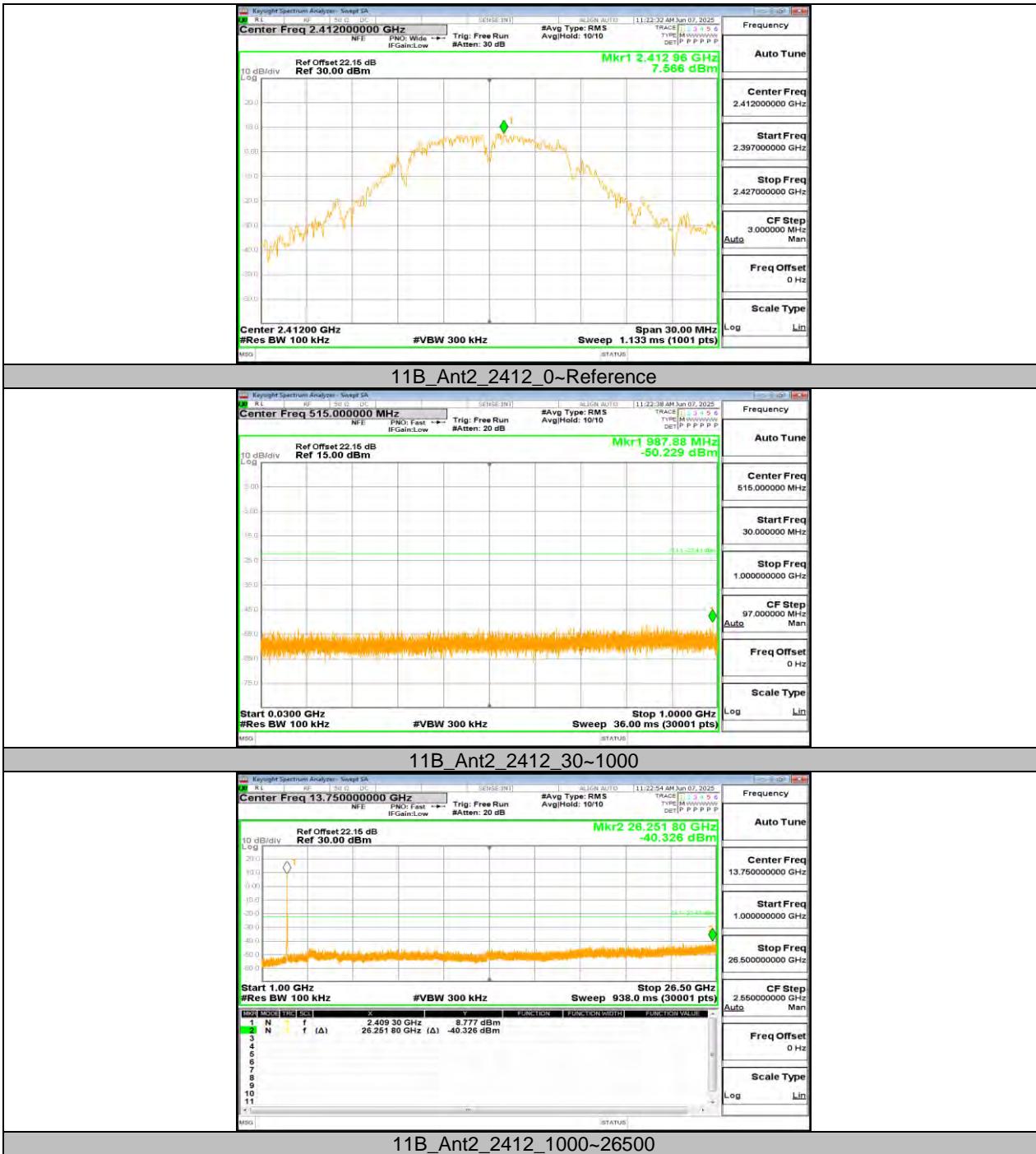


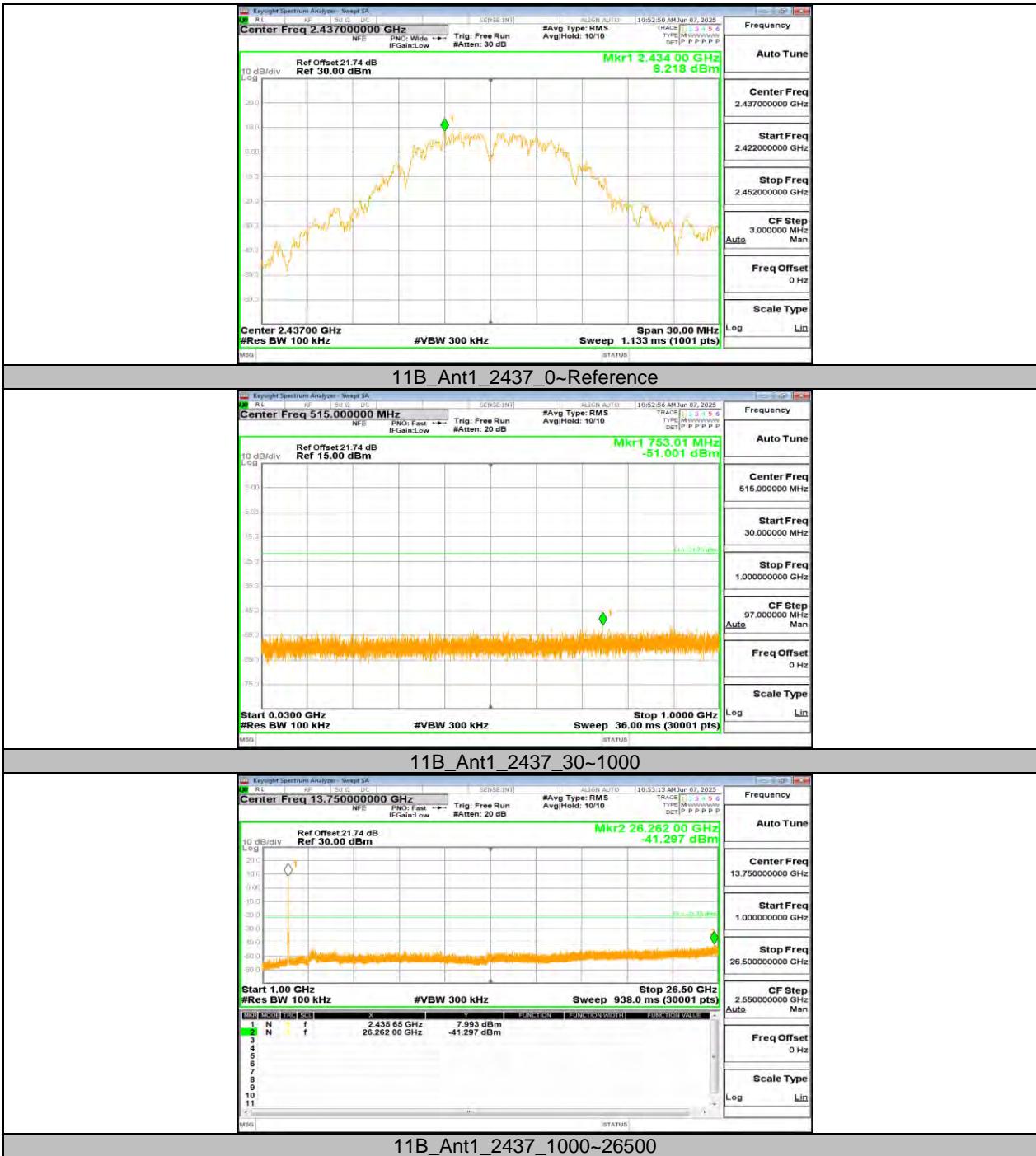


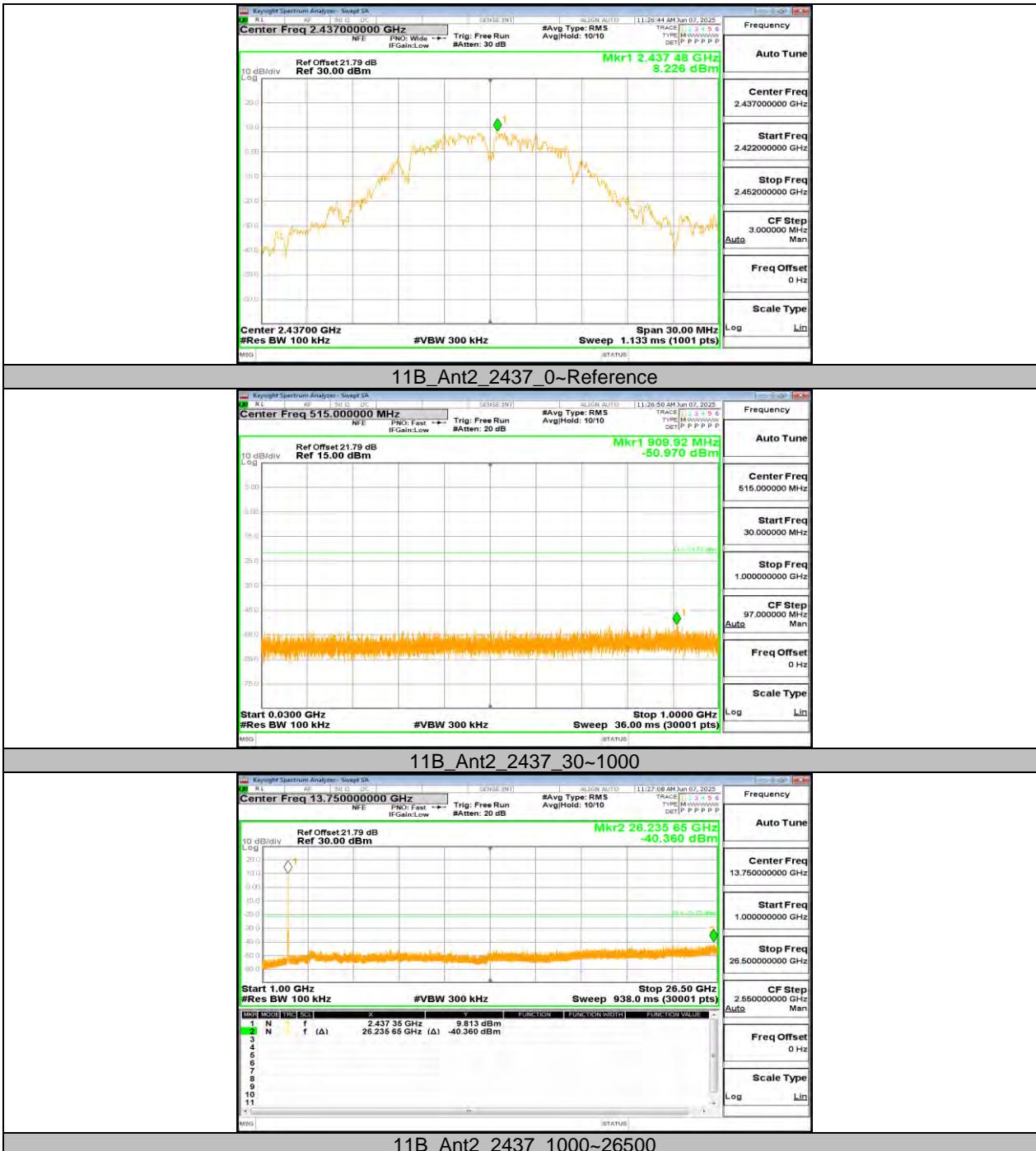



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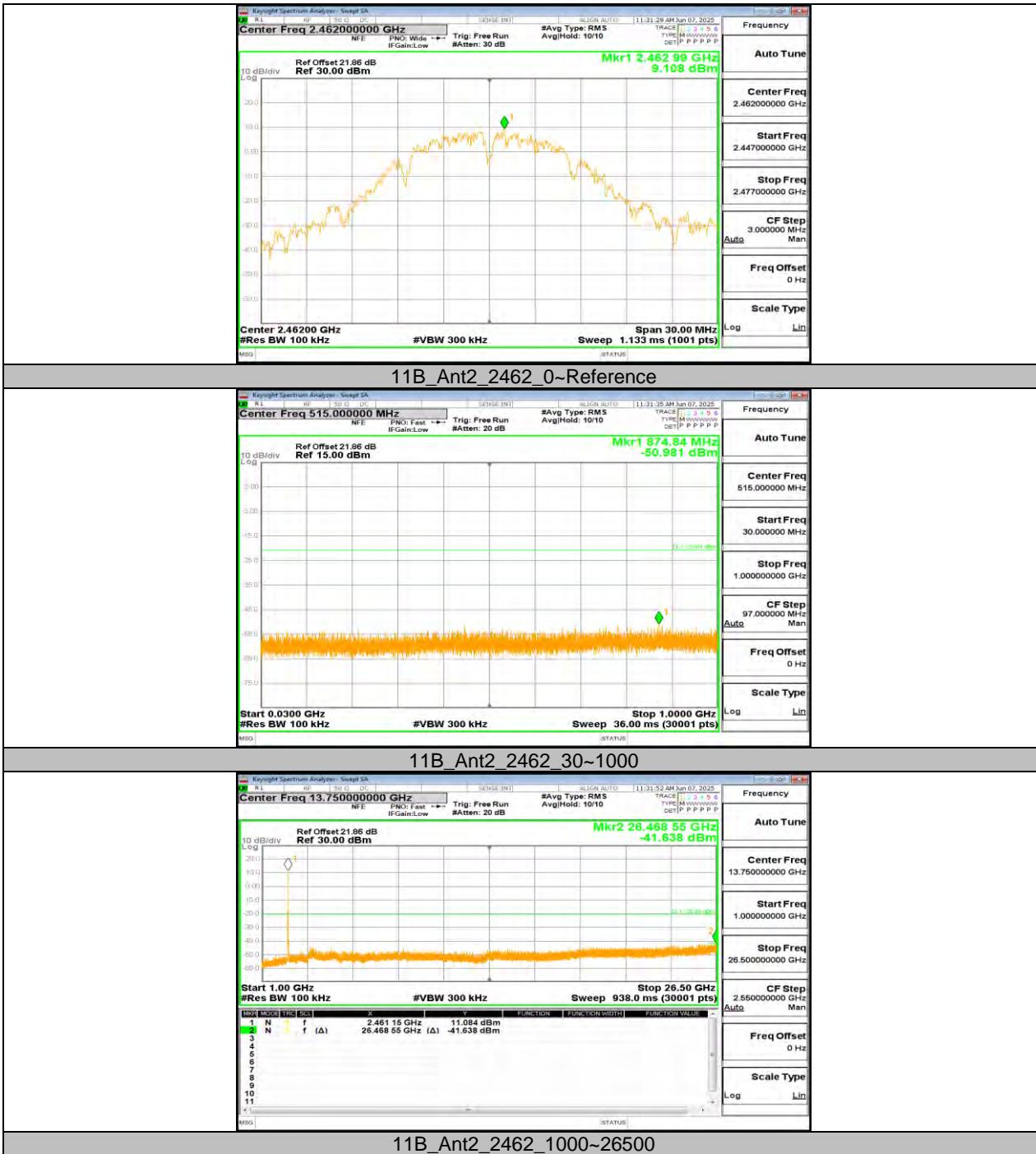






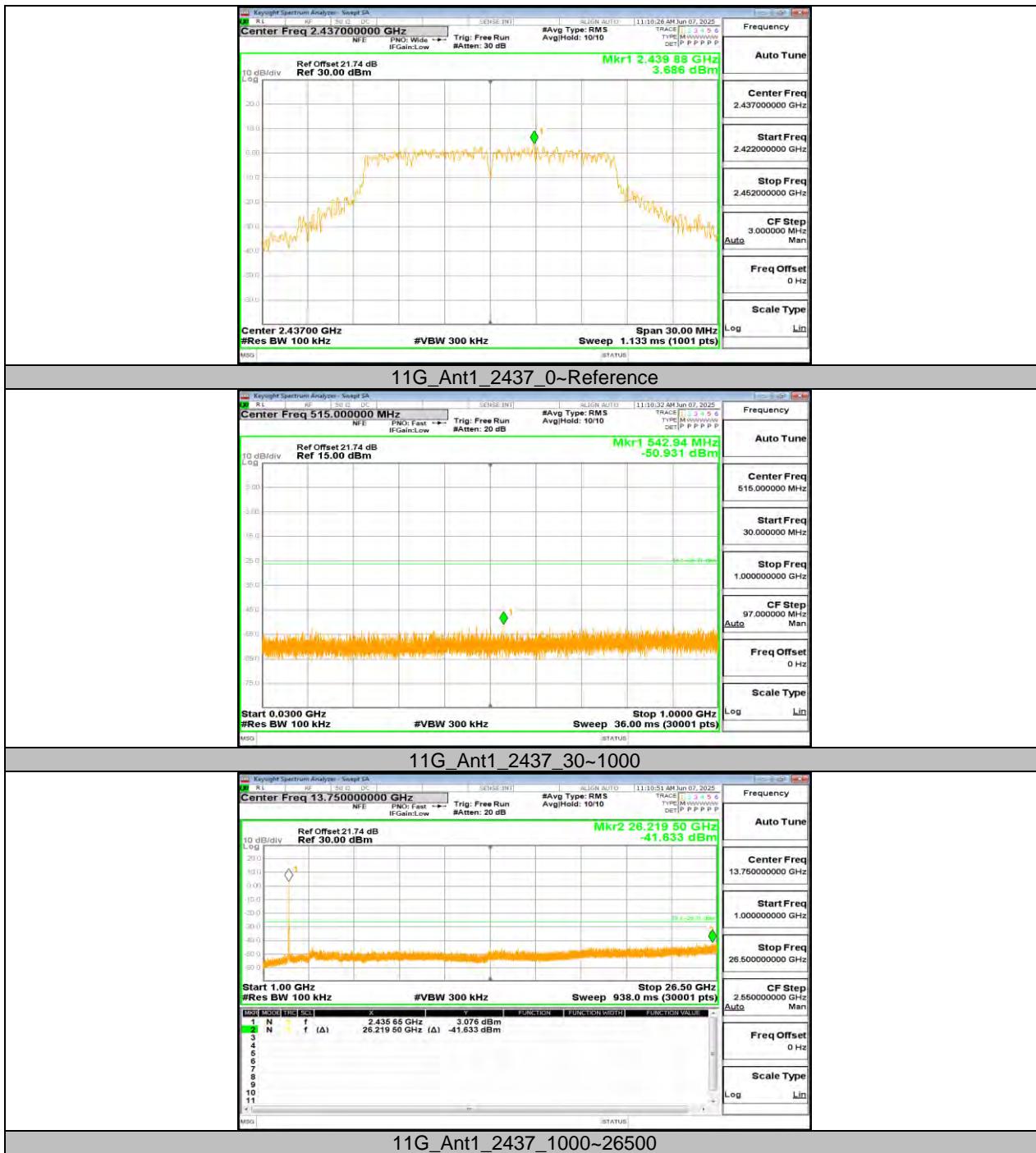


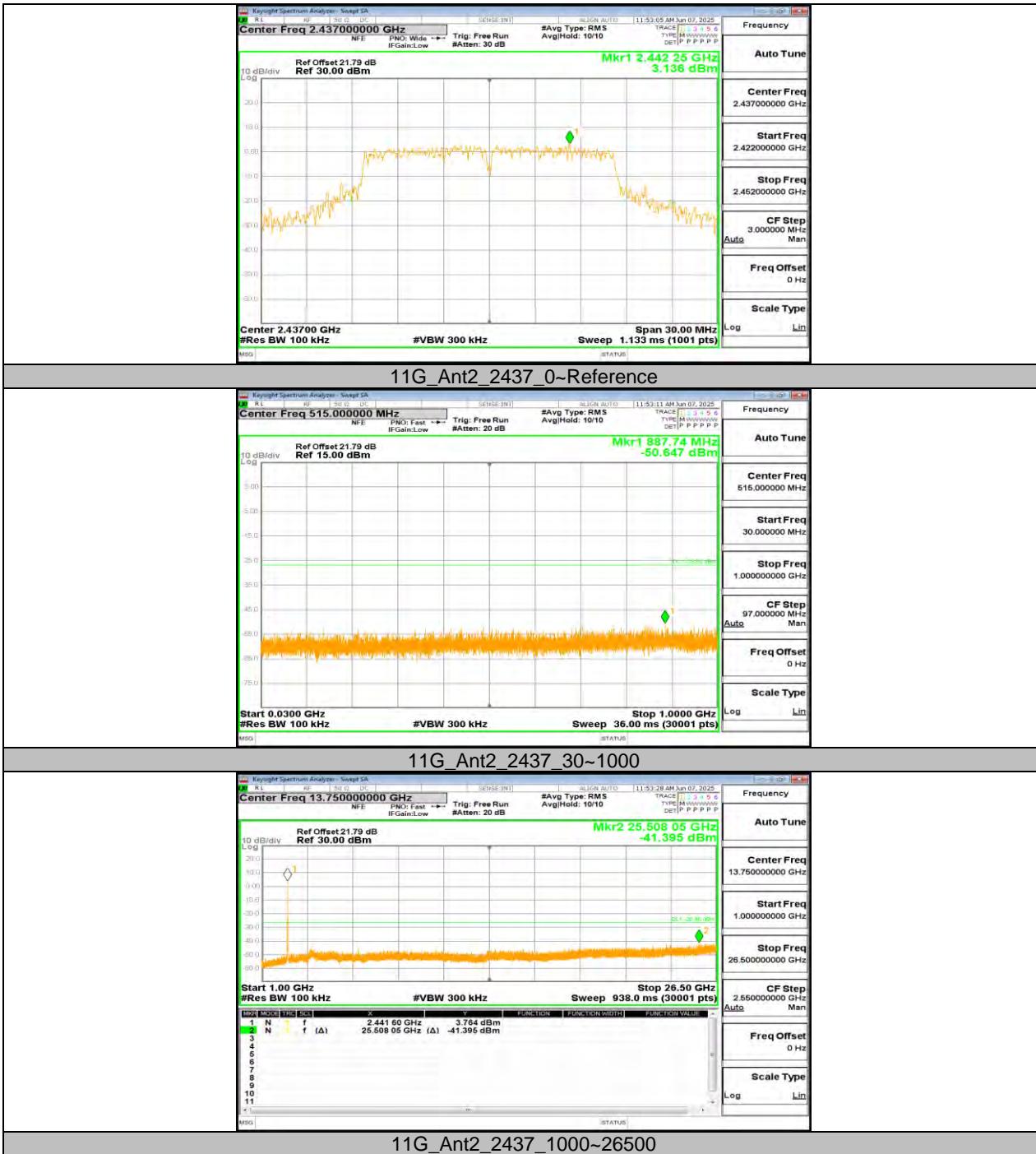






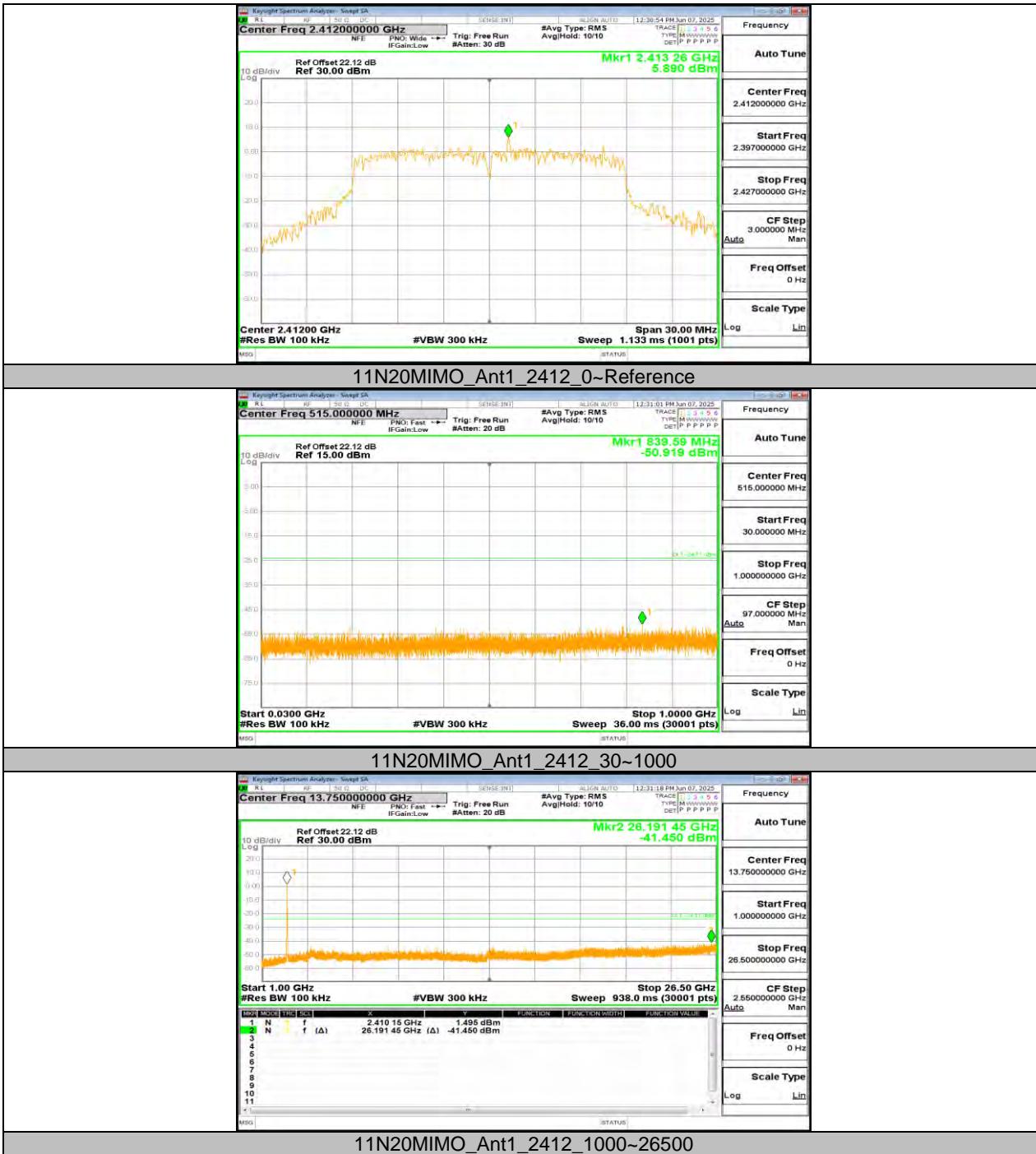




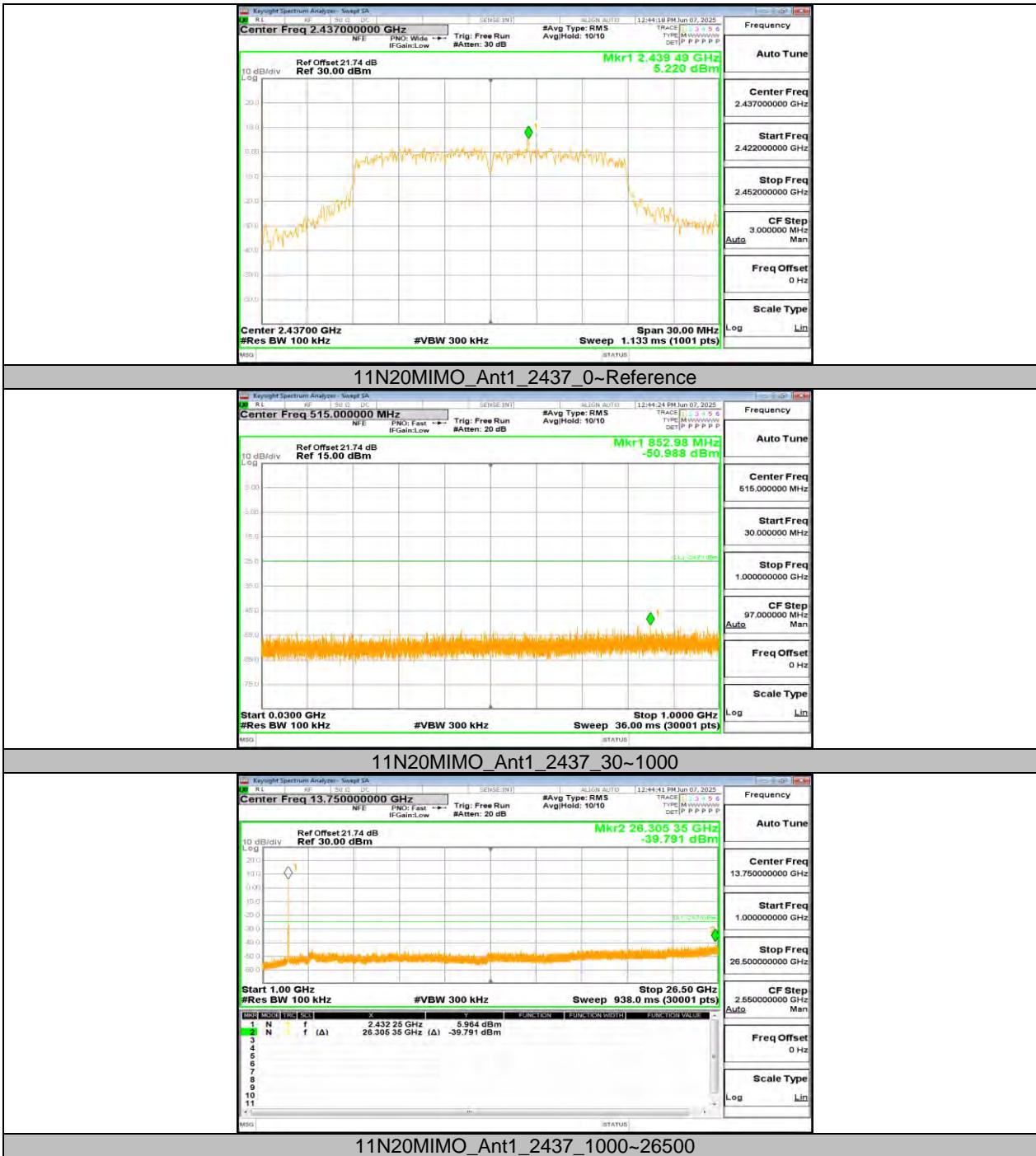


















## 11.7. APPENDIX G: DUTY CYCLE

### 11.7.1. Test Result

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Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	12.43	12.91	0.9628	96.28	0.16	0.08	1
11G	2.06	2.30	0.8957	89.57	0.48	0.49	1
11N20SISO	1.92	2.15	0.8930	89.30	0.49	0.52	1

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Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	100.00	100.00	1.0000	100.00	0.00	0.01	0.01
11G	100.00	100.00	1.0000	100.00	0.00	0.01	0.01
11N20MIMO	100.00	100.00	1.0000	100.00	0.00	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

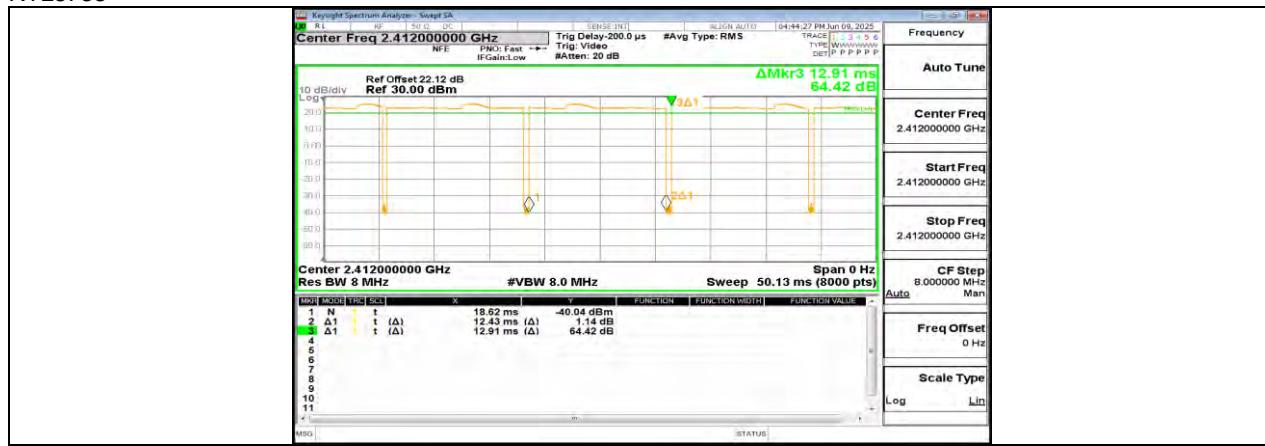
Where: x is Duty Cycle (Linear)

Where: T is On Time

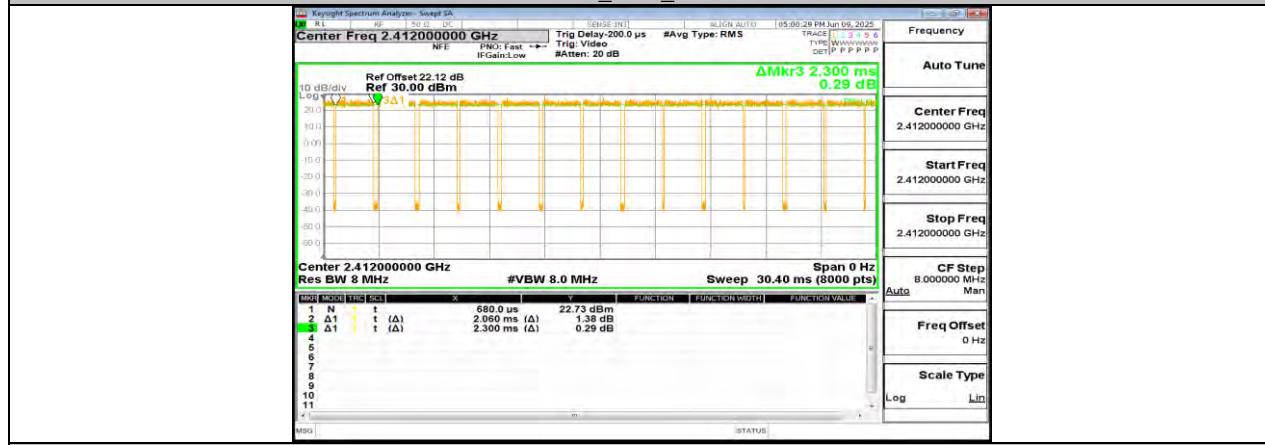
If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 11.7.2. Test Graphs

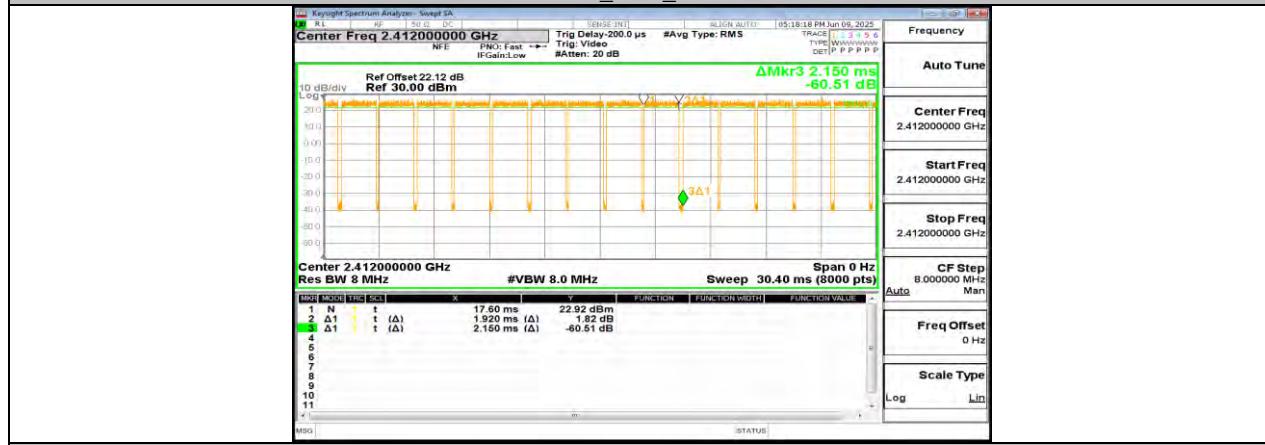
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11B\_Ant1\_2412



11G\_Ant1\_2412



11N20SISO\_Ant1\_2412

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END OF REPORT