REPORT NO.: 4790980341.1-RF-3

Page 134 of 189

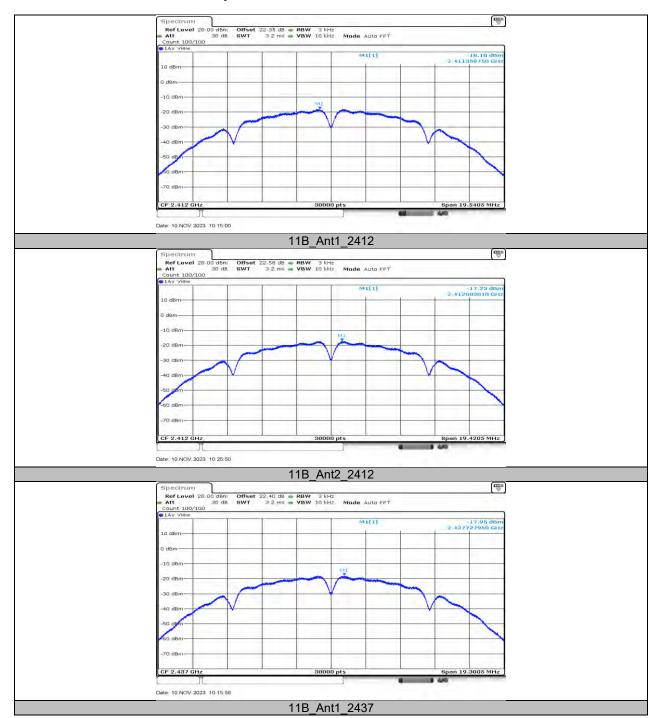
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY 11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
-	Ant1	2412	-18.10	≤8.00	PASS
	Ant2	2412	-17.23	≤8.00	PASS
11B	Ant1	2437	-17.95	≤8.00	PASS
-	Ant2	2437	-17.42	≤8.00	PASS
	Ant1	2462	-17.65	≤8.00	PASS
	Ant2	2462	-16.89	≤8.00	PASS
	Ant1	2412	-18.82	≤8.00	PASS
	Ant2	2412	-17.68	≤8.00	PASS
11G	Ant1	2437	-20.23	≤8.00	PASS
110	Ant2	2437	-19.25	≤8.00	PASS
	Ant1	2462	-20.25	≤8.00	PASS
	Ant2	2462	-18.68	≤8.00	PASS
	Ant1	2412	-19.05	≤8.00	PASS
	Ant2	2412	-17.84	≤8.00	PASS
	total	2412	-15.39	≤8.00	PASS
	Ant1	2437	-20.26	≤8.00	PASS
11N20MIMO	Ant2	2437	-18.11	≤8.00	PASS
	total	2437	-16.04	≤8.00	PASS
	Ant1	2462	-19.49	≤8.00	PASS
	Ant2	2462	-18.51	≤8.00	PASS
	total	2462	-15.96	≤8.00	PASS
	Ant1	2422	-21.41	≤8.00	PASS
	Ant2	2422	-19.76	≤8.00	PASS
	total	2422	-17.50	≤8.00	PASS
	Ant1	2437	-21.24	≤8.00	PASS
11N40MIMO	Ant2	2437	-20.61	≤8.00	PASS
	total	2437	-17.90	≤8.00	PASS
	Ant1	2452	-21.18	≤8.00	PASS
	Ant2	2452	-20.89	≤8.00	PASS
	total	2452	-18.02	≤8.00	PASS
	Ant1	2412	-23.61	≤8.00	PASS
	Ant2	2412	-21.78	≤8.00	PASS
	total	2412	-19.59	≤8.00	PASS
<u> </u>	Ant1	2437	-24.15	≤8.00	PASS
11AX20MIMO	Ant2	2437	-23.52	≤8.00	PASS
-	total	2437	-20.81	≤8.00	PASS
ļ-	Ant1	2462	-22.40	≤8.00	PASS
<u> </u>	Ant2	2462	-22.50	≤8.00	PASS
	total	2462	-19.44	≤8.00	PASS
	Ant1	2422	-26.18	≤8.00	PASS
	Ant2	2422	-24.92	≤8.00	PASS
	total	2422	-22.49	≤8.00	PASS
	Ant1	2437	-26.42	≤8.00	PASS
11AX40MIMO	Ant2	2437	-26.09	≤8.00	PASS
TTAX40IVIIIVIO	total	2437	-23.24	≤8.00	PASS
	Ant1	2452	-26.66	≤8.00	PASS
-	Ant2	2452	-25.62	≤8.00	PASS
-	total	2452	-23.10	≤8.00	PASS

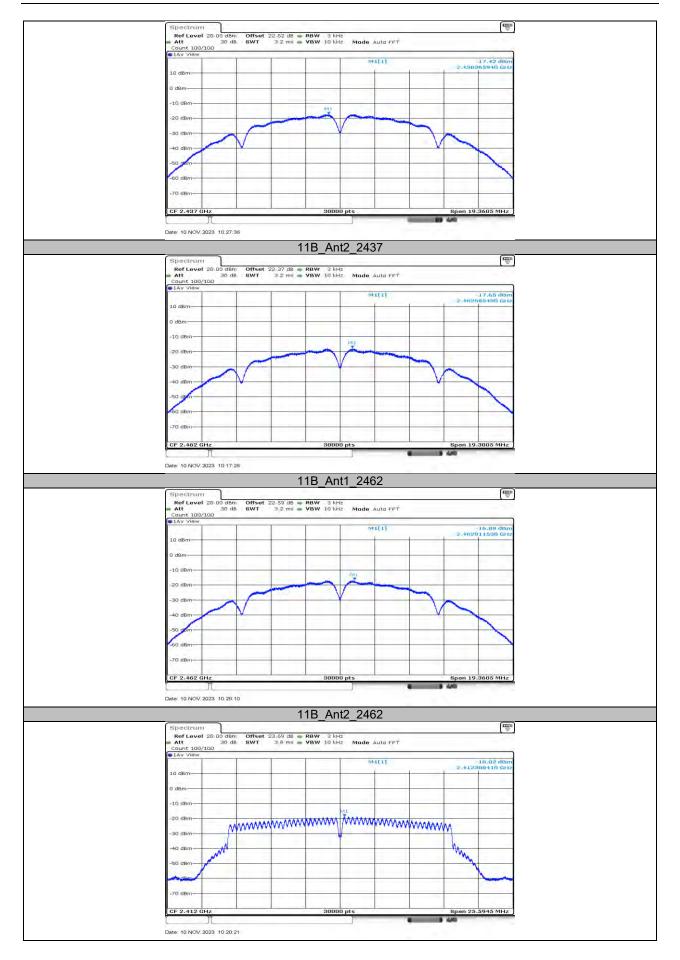
Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.



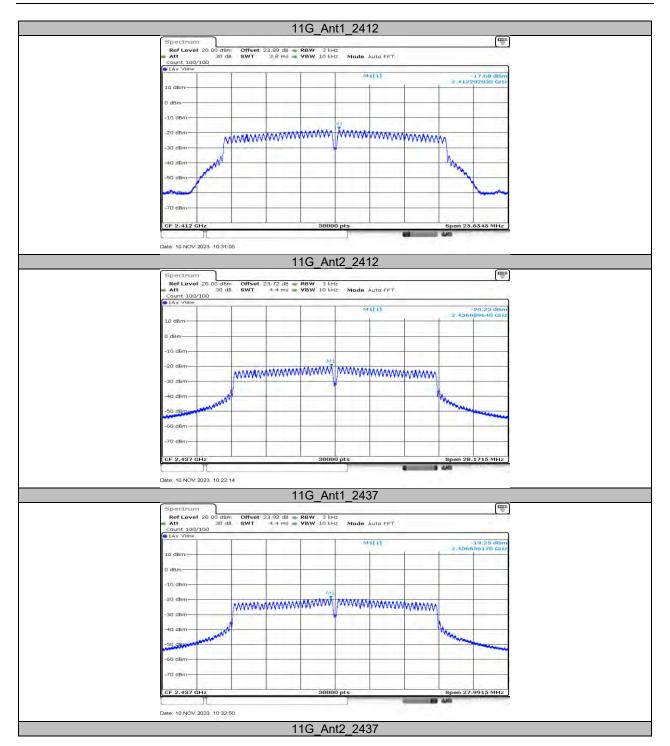
11.4.2. Test Graphs



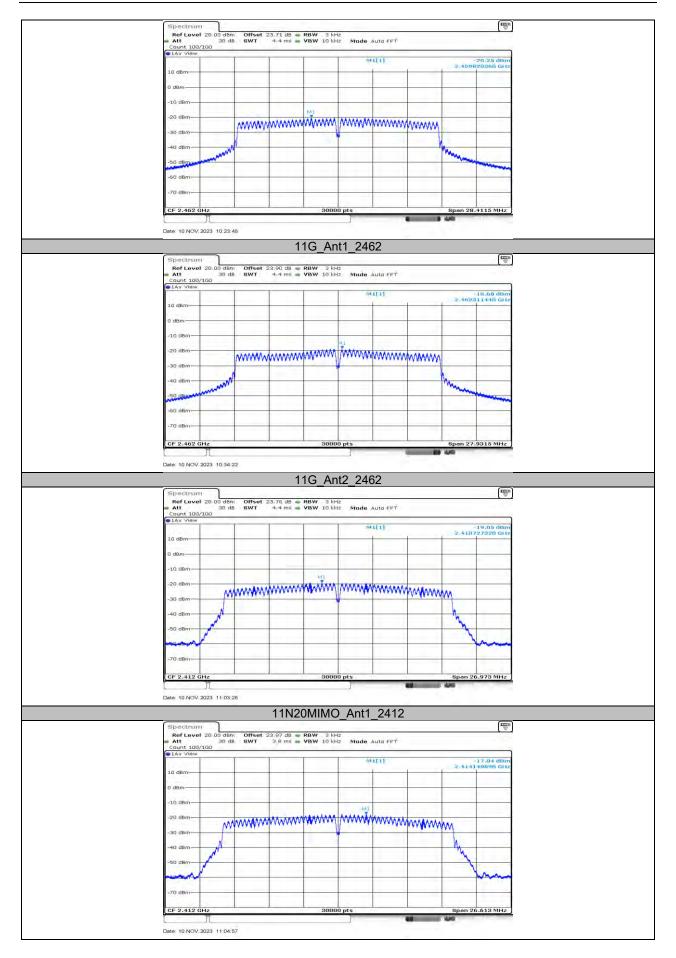






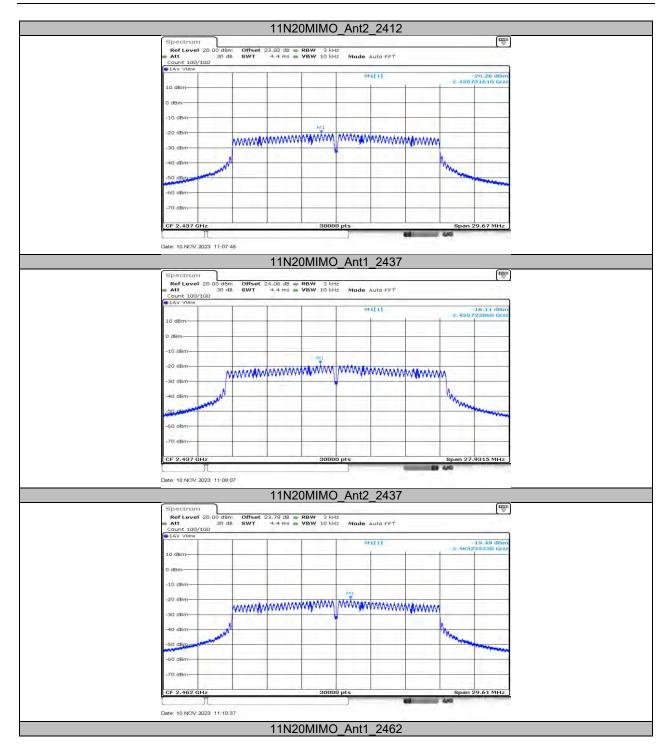




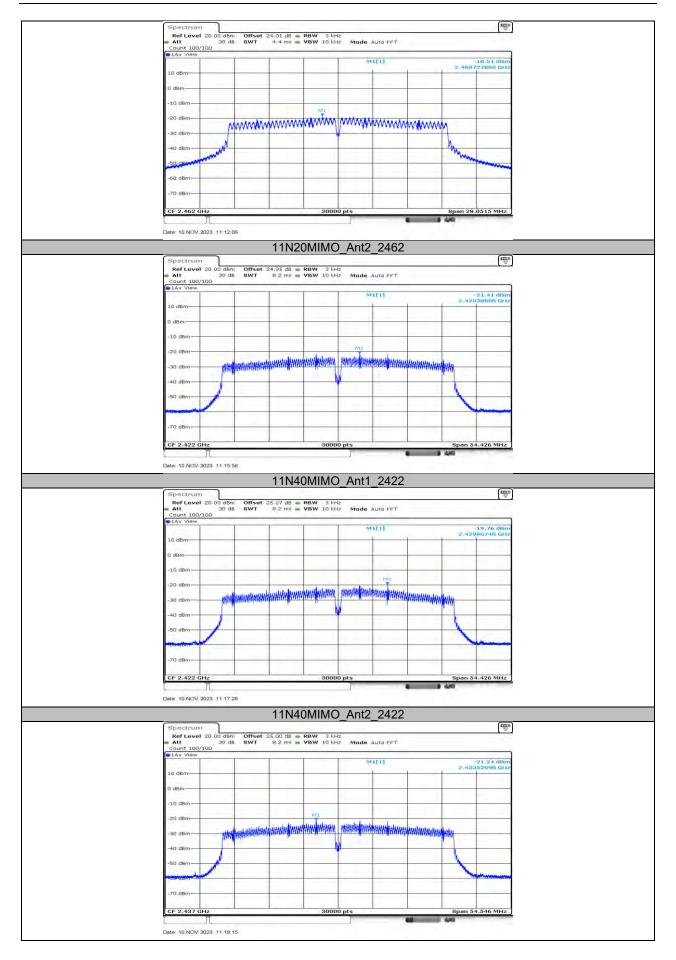


Page 139 of 189



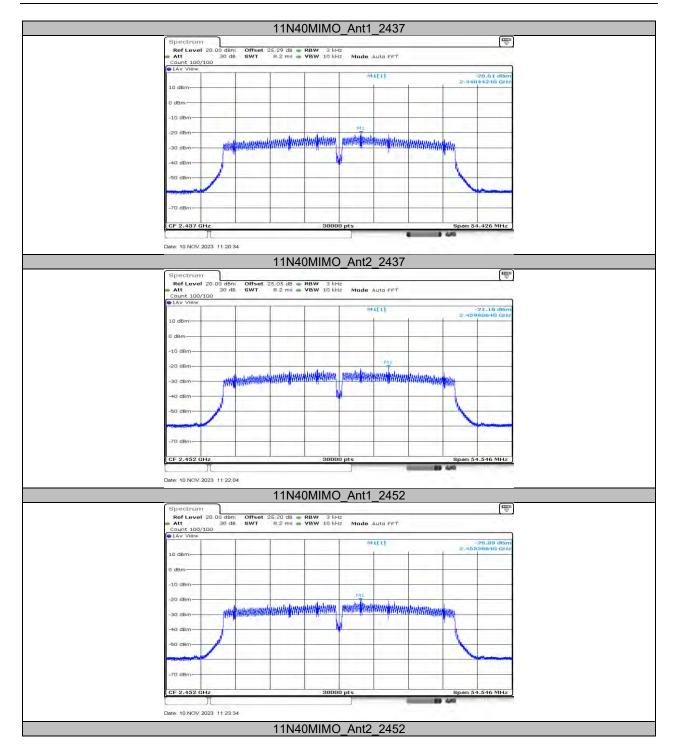




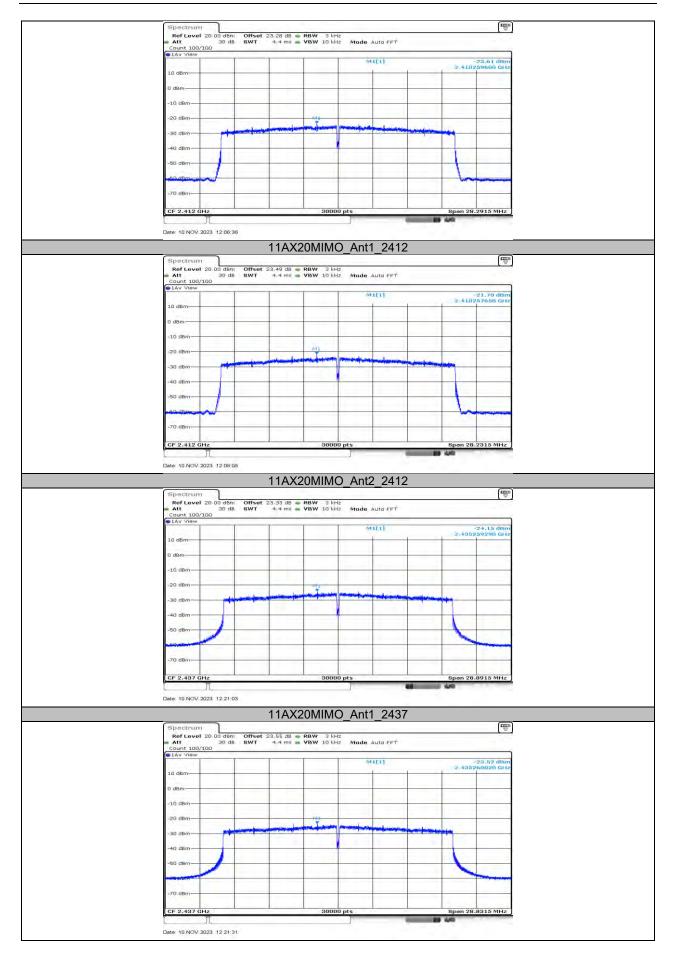


Page 141 of 189



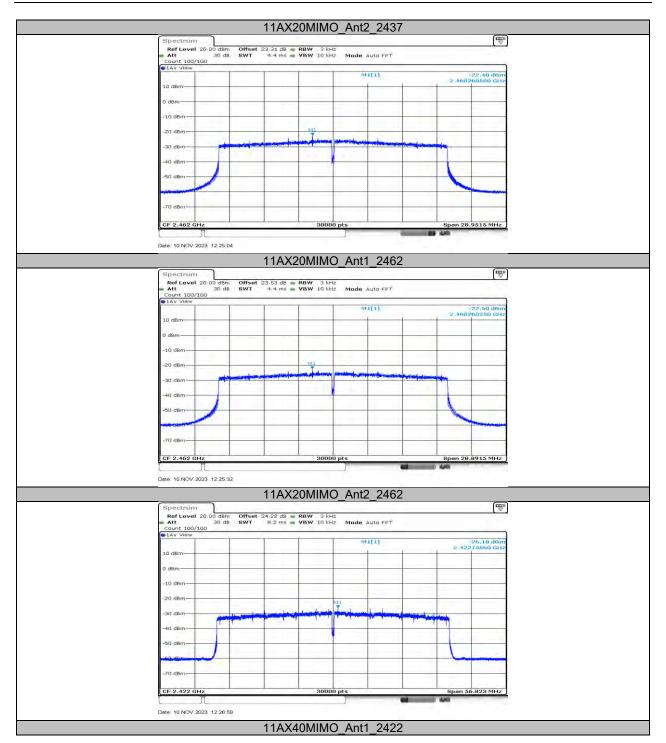




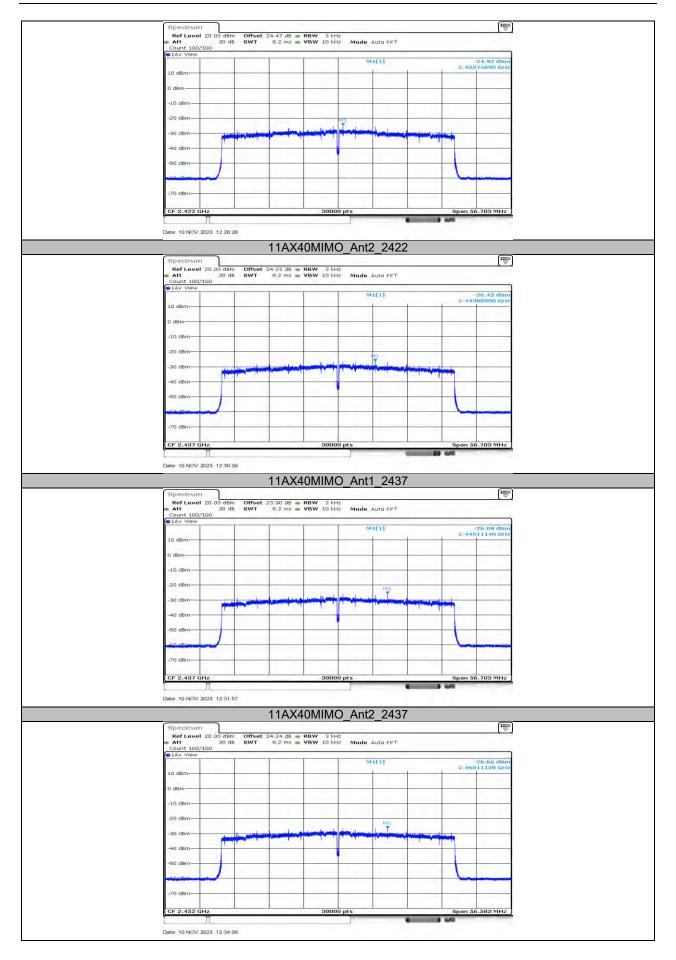


Page 143 of 189











REPORT NO.: 4790980341.1-RF-3

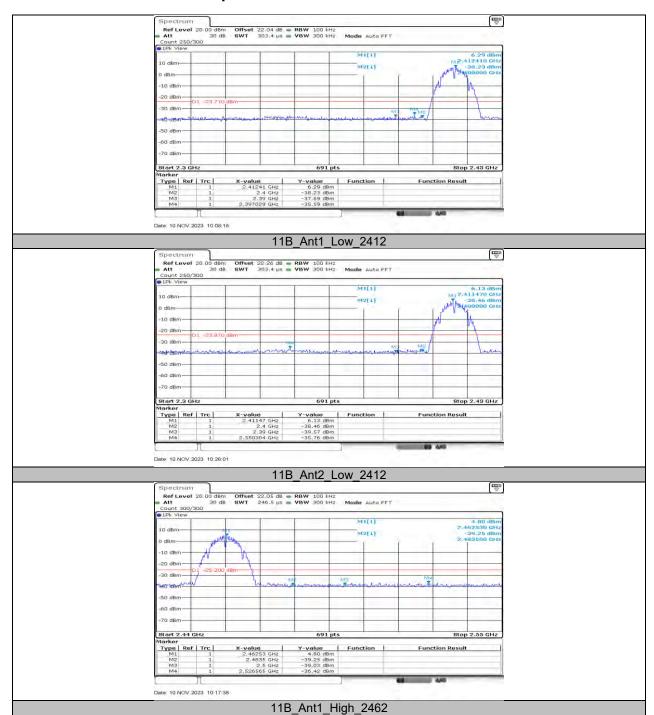
Page 146 of 189

11.5. APPENDIX E: BAND EDGE MEASUREMENTS 11.5.1. Test Result

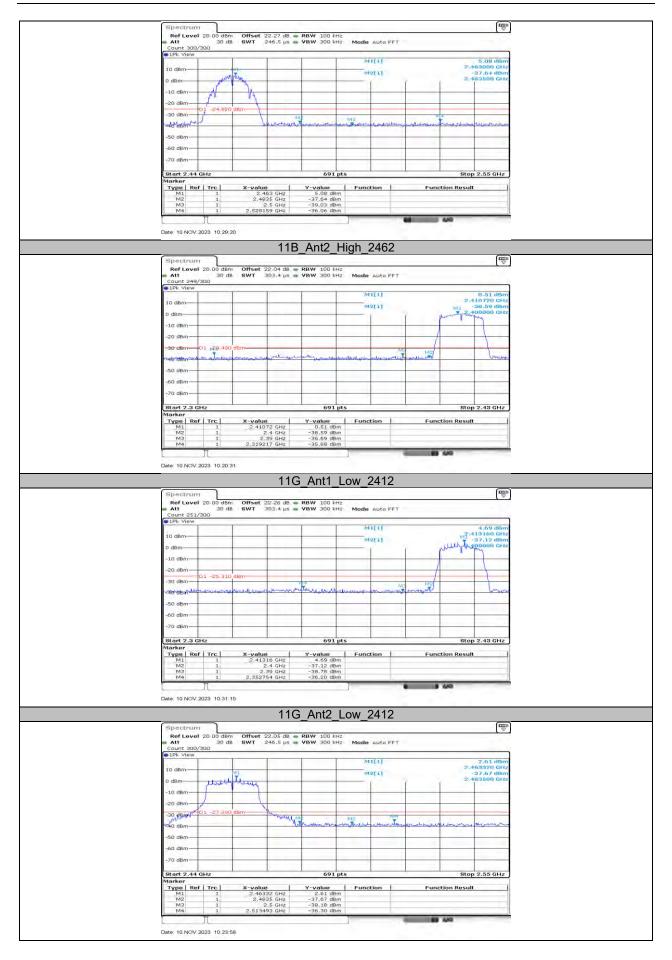
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.29	-35.59	≤-23.71	PASS
	Ant2	Low	2412	6.13	-35.76	≤-23.87	PASS
	Ant1	High	2462	4.80	-36.42	≤-25.2	PASS
	Ant2	High	2462	5.08	-36.06	≤-24.92	PASS
	Ant1	Low	2412	0.51	-35.88	≤-29.49	PASS
11G	Ant2	Low	2412	4.69	-36.2	≤-25.31	PASS
116	Ant1	High	2462	2.61	-36.3	≤-27.39	PASS
	Ant2	High	2462	3.53	-36.45	≤-26.47	PASS
	Ant1	Low	2412	1.48	-36.12	≤-28.52	PASS
441100141140	Ant2	Low	2412	4.72	-35.19	≤-25.28	PASS
11N20MIMO	Ant1	High	2462	0.46	-36.03	≤-29.54	PASS
	Ant2	High	2462	3.54	-36.28	≤-26.46	PASS
	Ant1	Low	2422	-1.03	-36.54	≤-31.03	PASS
44140141140	Ant2	Low	2422	0.28	-36.34	≤-29.72	PASS
11N40MIMO	Ant1	High	2452	-0.01	-35.91	≤-30.01	PASS
	Ant2	High	2452	0.54	-35.06	≤-29.46	PASS
11AX20MIMO	Ant1	Low	2412	-3.12	-36.68	≤-33.12	PASS
	Ant2	Low	2412	-0.04	-35.14	≤-30.04	PASS
	Ant1	High	2462	-2.12	-36.82	≤-32.12	PASS
	Ant2	High	2462	-3.00	-36.71	≤-33	PASS
11AX40MIMO	Ant1	Low	2422	-4.30	-36.74	≤-34.3	PASS
	Ant2	Low	2422	-3.54	-36.72	≤-33.54	PASS
	Ant1	High	2452	-4.04	-35.84	≤-34.04	PASS
	Ant2	High	2452	-4.28	-35.5	≤-34.28	PASS



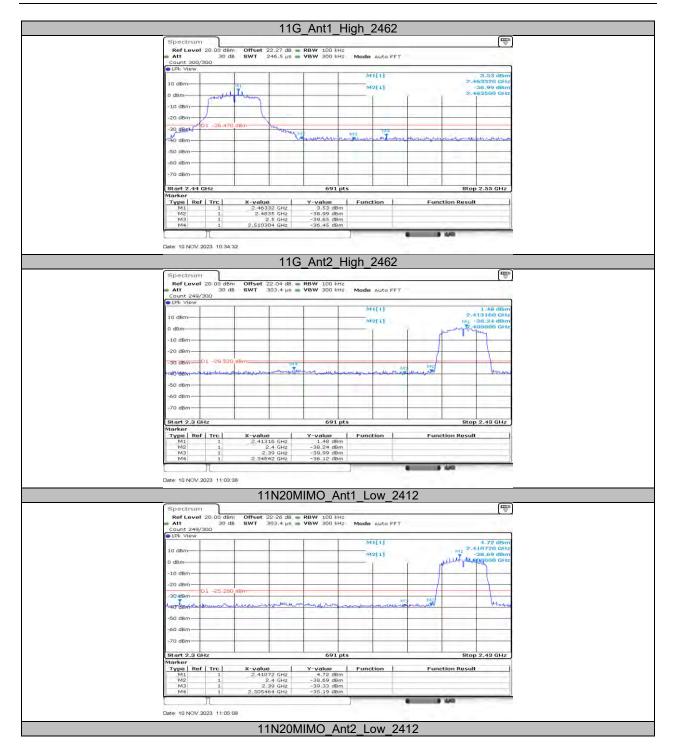
11.5.2. Test Graphs



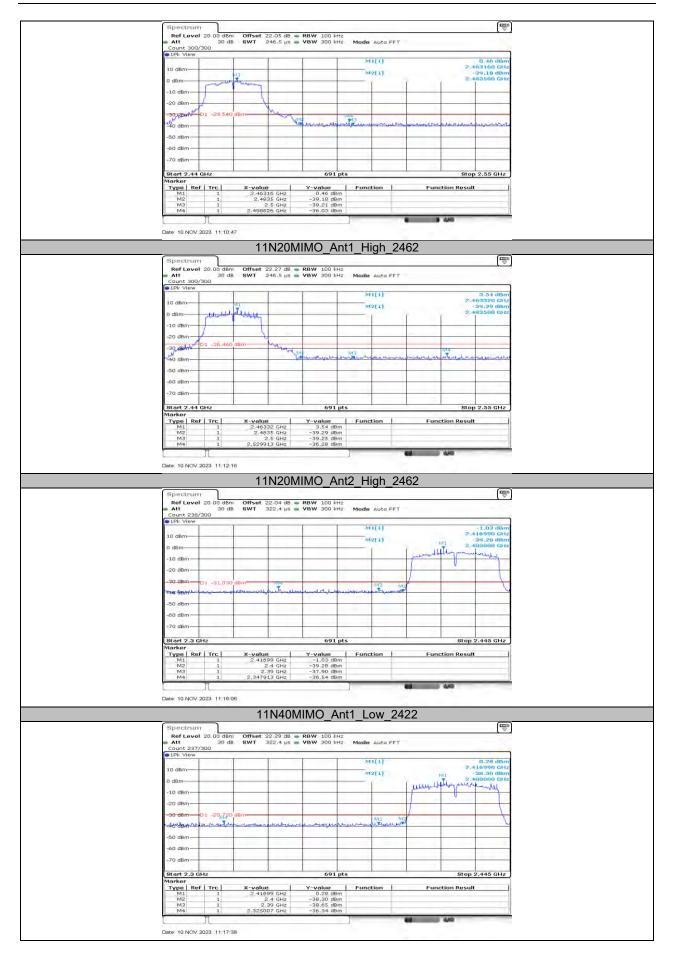




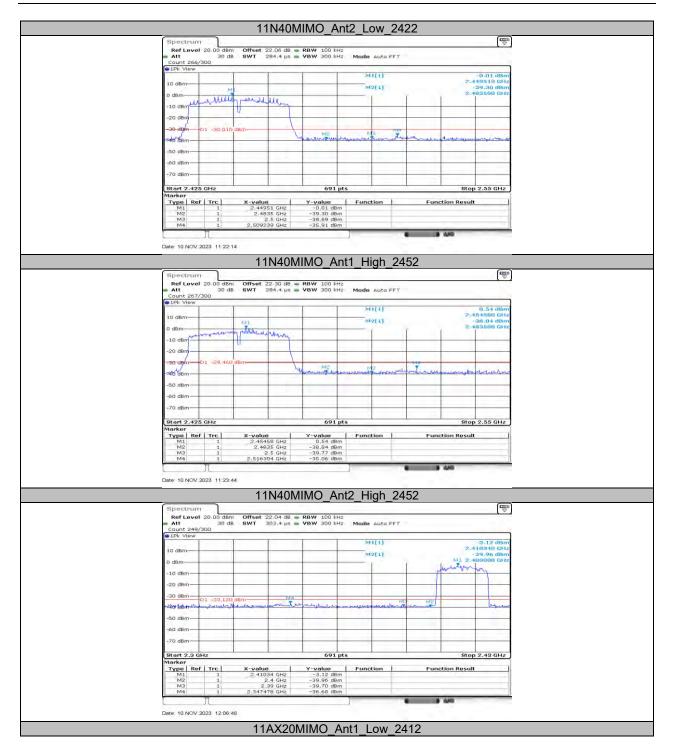




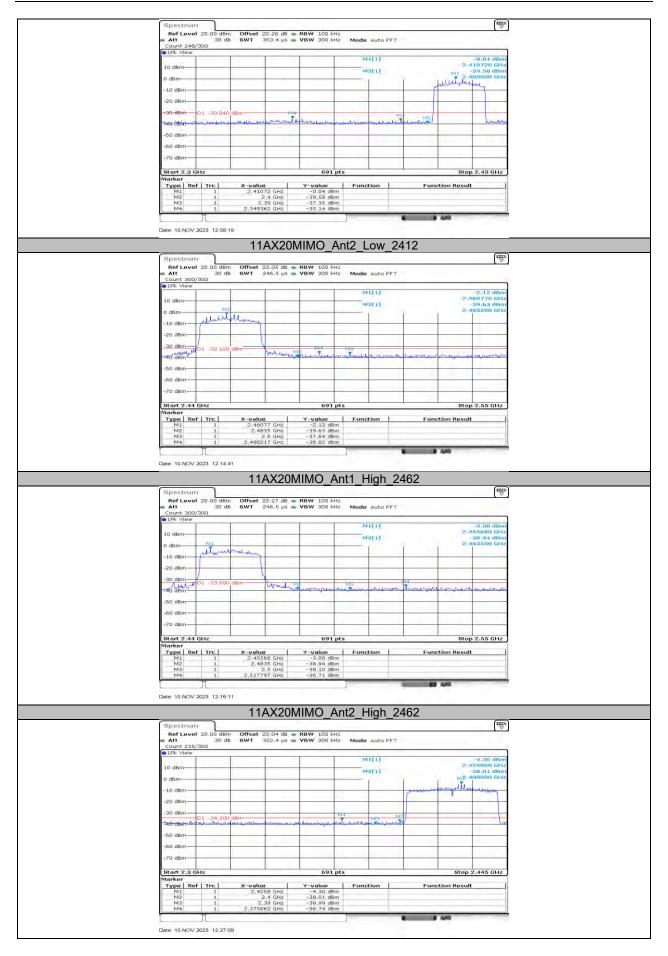




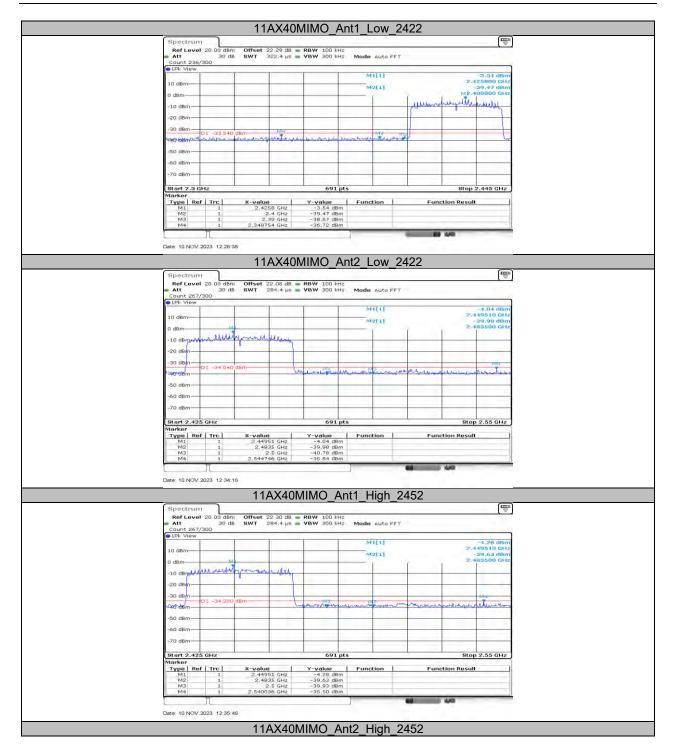












REPORT NO.: 4790980341.1-RF-3

Page 154 of 189

11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION 11.6.1. Test Result

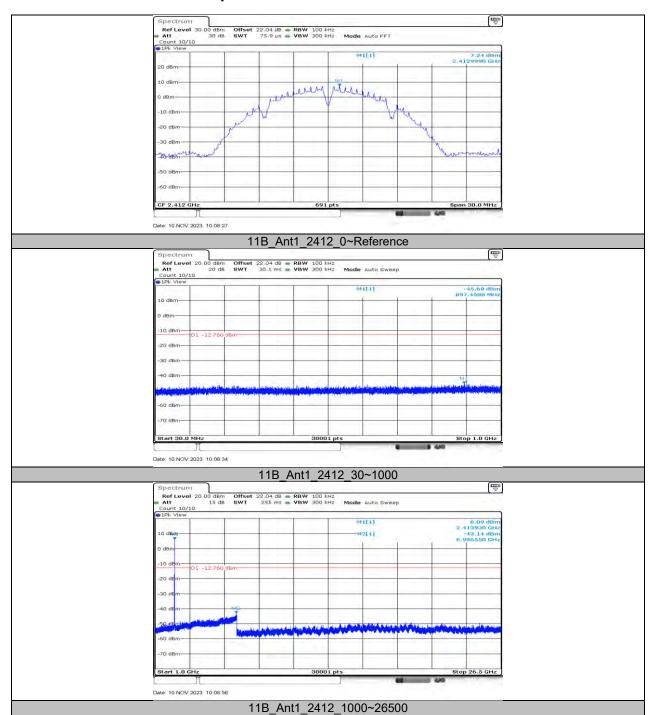
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	7.24	[ubiii]	PASS
	Ant1	2412	30~1000	-45.68	 ≤-12.76	PASS
	Anti		1000~26500	-43.14	≤-12.76	PASS
			Reference 5.73		3-12.70	PASS
	Ant2	2412	30~1000	-45.06	≤-14.27	PASS
	AIILZ	2412	1000~26500	-43.76	≤-14.27	PASS
			Reference	5.42	3-14.21	PASS
	Ant1	2437	30~1000	-45.32	≤-14.58	PASS
			1000~26500	-43.45	≤-14.58	PASS
11B			Reference	5.90	<u></u>	PASS
	Ant2	2437	30~1000	-44.76	≤-14.1	PASS
	AIILZ	2437	1000~26500	-43.42	<u>≤-14.1</u>	PASS
			Reference	4.93		PASS
	Ant1	2462	30~1000	-45.68	 ≤-15.07	PASS
	Alki	2402	1000~26500	-43.27	≤-15.07 ≤-15.07	PASS
			Reference	6.15	<u> </u>	PASS
	Ant2	2462	30~1000	-44.65	≤-13.85	PASS
	AIILZ	2402	1000~26500	-43.16	≤-13.85	PASS
			Reference	3.65	<u>≤-13.65</u>	PASS
	Ant1	2412	30~1000	-45.23	≤-16.35	PASS
	And	4 4 14	1000~26500	-43.23	≤-16.35 ≤-16.35	PASS
			Reference	4.84		PASS
	Ant2	2412	30~1000	-45.36	 ≤-15.16	PASS
	AIILZ	2412	1000~26500	-43.30 -42.91	≤-15.16 ≤-15.16	PASS
			Reference	1.56		PASS
	Ant1	0407	30~1000	-44.75	<u></u> ≤-18.44	PASS
	Anti	2437	1000~26500	-44.73 -43.11	≤-18.44	PASS
11G			Reference	3.30	3-10.44	PASS
	Ant2	2437	30~1000	-45.58	 ≤-16.7	PASS
	AIILZ	2431	1000~26500	-42.57	≤-16.7	PASS
			Reference	2.51	<u> </u>	PASS
	Ant1	2462	30~1000	-45.55	≤-17.49	PASS
	Anti	2402	1000~26500	-43.77	≤-17.49	PASS
			Reference	3.72		PASS
	Ant2	2462	30~1000	-44.96	≤-16.28	PASS
		2402	1000~26500	-43.64	≤-16.28	PASS
			Reference	3.66	=-10.20	PASS
	Ant1	2412 2412	30~1000	-45.3	≤-16.34	PASS
			1000~26500	-43.12	≤-16.34	PASS
			Reference	5.00		PASS
			30~1000	-45	≤-15	PASS
	711112		1000~26500	-43.53	<u>≤</u> -15	PASS
	Ant1	2437	Reference	2.71	<u> </u>	PASS
			30~1000	-45.86	<u></u> ≤-17.29	PASS
			1000~26500	-43.63	≤-17.29 ≤-17.29	PASS
11N20MIMO	Ant2		Reference	3.25	11.23	PASS
		2437	30~1000	-45.02	≤-16.75	PASS
			1000~26500	-43.29	≤-16.75	PASS
	Ant1		Reference	2.81		PASS
		2462	30~1000	-45.22	≤-17.19	PASS
			1000~26500	-43.52	≤-17.19	PASS
	Ant2		Reference	3.55		PASS
		2462	30~1000	-44.97	≤-16.45	PASS
			1000~26500	-43.05	≤-16.45	PASS
			Reference	-0.96		PASS
	Ant1	2422	30~1000	-45.64	≤-20.96	PASS
11N40MIMO			1000~26500	-42.96	≤-20.96	PASS
	Ant2	2422	Reference	0.71		PASS
	/ u i i i	£ 1££	1.01010100	1 3.71	<u>I</u>	,



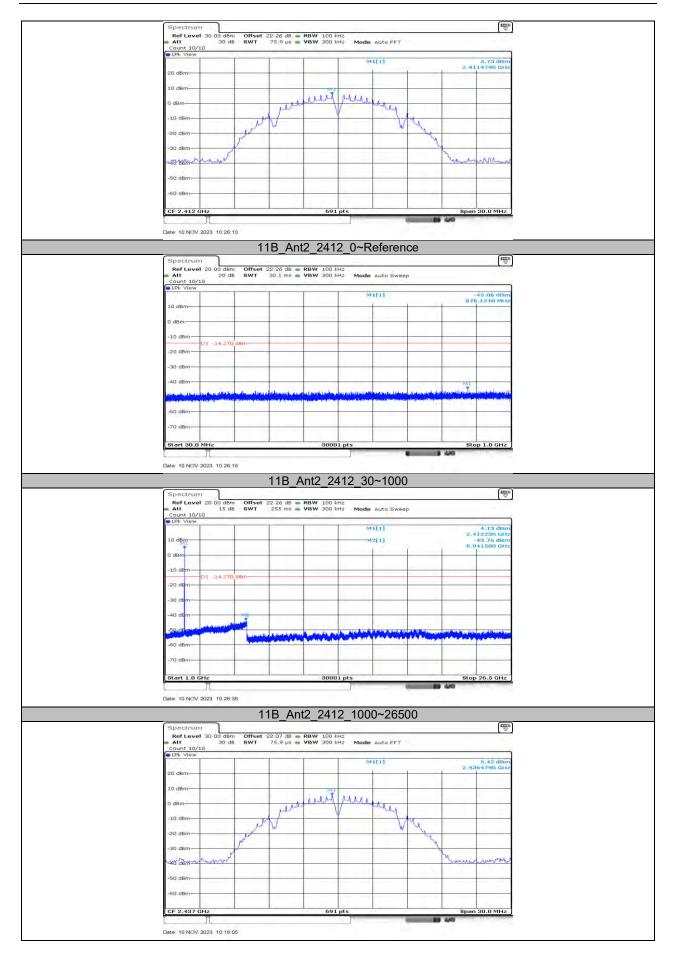
	1		30~1000	-45.33	≤-19.29	PASS
			1000~26500	- 4 3.37	≤-19.29 ≤-19.29	PASS
			Reference	-43.3 <i>1</i> -1.00	≥-19.29 	PASS
	Ant1	2427				
		2437	30~1000	-44.89	≤-21	PASS
			1000~26500	-43.58	≤-21	PASS
	A 10	2437	Reference	0.63		PASS
	Ant2		30~1000	-45.04	≤-19.37	PASS
			1000~26500	-42.67	≤-19.37	PASS
		2.1-2	Reference	-0.07		PASS
	Ant1	2452	30~1000	-45.25	≤-20.07	PASS
			1000~26500	-43.17	≤-20.07	PASS
			Reference	0.30		PASS
	Ant2	2452	30~1000	-45.45	≤-19.7	PASS
			1000~26500	-42.78	≤-19.7	PASS
		2412	Reference	-1.19		PASS
	Ant1		30~1000	-45.77	≤-21.19	PASS
			1000~26500	-43.76	≤-21.19	PASS
			Reference	-0.21		PASS
	Ant2	2412	30~1000	-45.67	≤-20.21	PASS
			1000~26500	-43.26	≤-20.21	PASS
		2437	Reference	-2.11		PASS
	Ant1		30~1000	-45.33	≤-22.11	PASS
44470041440			1000~26500	-43.86	≤-22.11	PASS
11AX20MIMO		2437	Reference	-1.30		PASS
	Ant2		30~1000	-45.53	≤-21.3	PASS
			1000~26500	-42.58	≤-21.3	PASS
			Reference	-4.37		PASS
	Ant1	2462	30~1000	-44.84	≤-24.37	PASS
			1000~26500	-43.77	≤-24.37	PASS
	Ant2	2462	Reference	-1.36		PASS
			30~1000	-44.94	≤-21.36	PASS
			1000~26500	-43.55	≤-21.36	PASS
			Reference	-6.34		PASS
	Ant1	2422	30~1000	-45.52	≤-26.34	PASS
			1000~26500	-43.75	≤-26.34	PASS
	Ant2	2422	Reference	-3.67		PASS
			30~1000	-44.8	≤-23.67	PASS
			1000~26500	-43.38	≤-23.67	PASS
	Ant1 2437		Reference	-4.17		PASS
		2437	30~1000	- 4 .17	≤-24.17	PASS
11AX40MIMO		2701	1000~26500	-43.13	≤-24.17	PASS
	Ant2		Reference	-3.52	<u> </u>	PASS
		2437	30~1000	-44.84	<u></u> ≤-23.52	PASS
		Z 4 31	1000~26500	-44.04	≤-23.52 ≤-23.52	PASS
	Ant1		Reference	-3.85	<u></u>	PASS
		2452	30~1000	-45.04	<u></u> ≤-23.85	PASS
		2452				
			1000~26500	-43.91	≤-23.85	PASS
	Ant2	0.450	Reference	-3.22		PASS
		2452	30~1000	-44.77	≤-23.22	PASS
			1000~26500	-43.71	≤-23.22	PASS

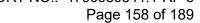


11.6.2. Test Graphs

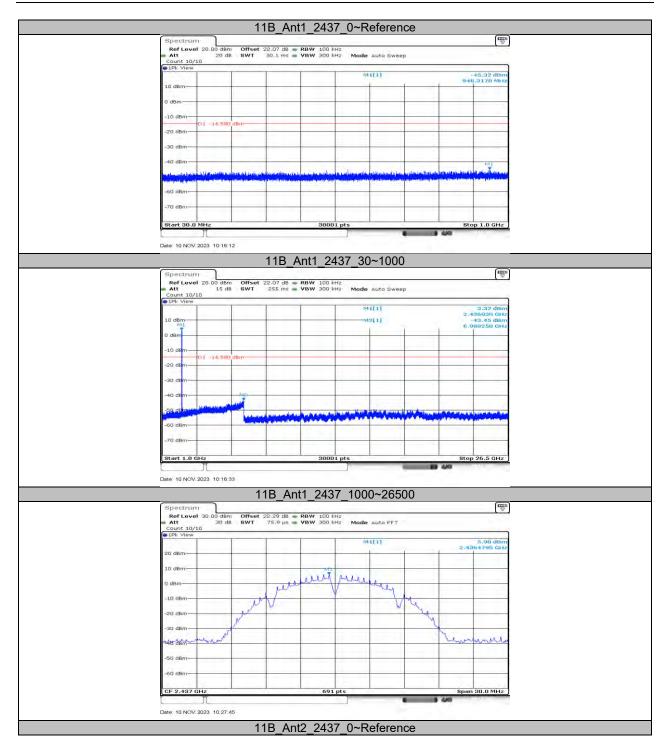




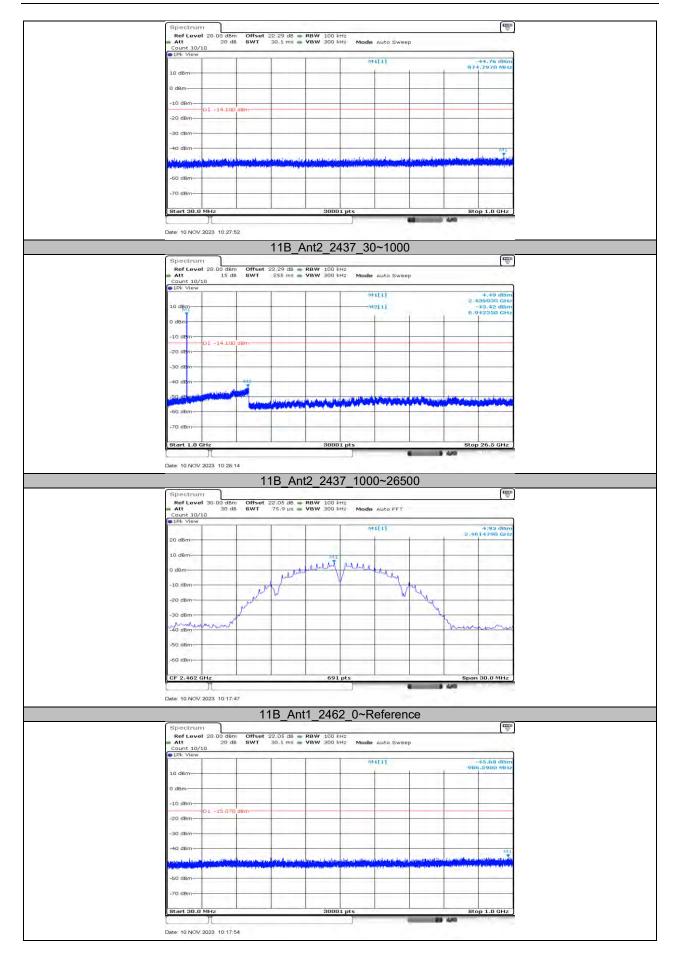




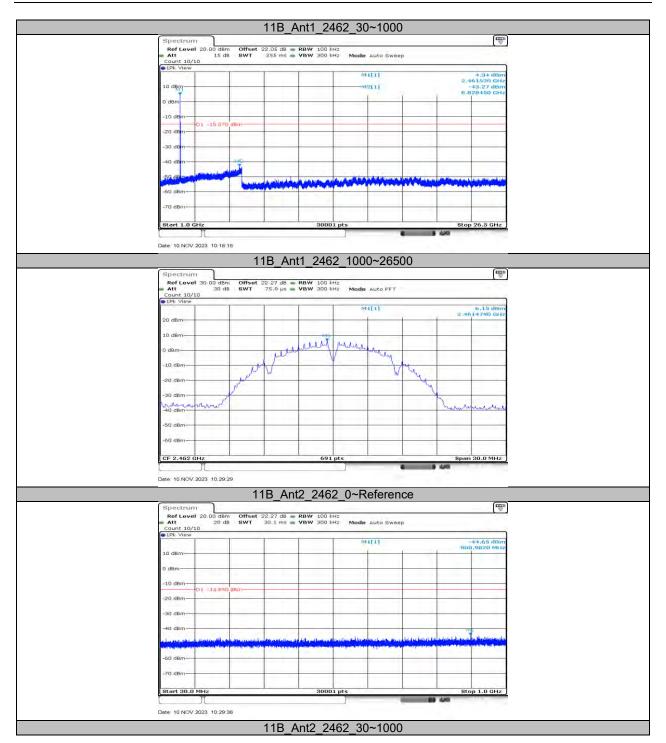




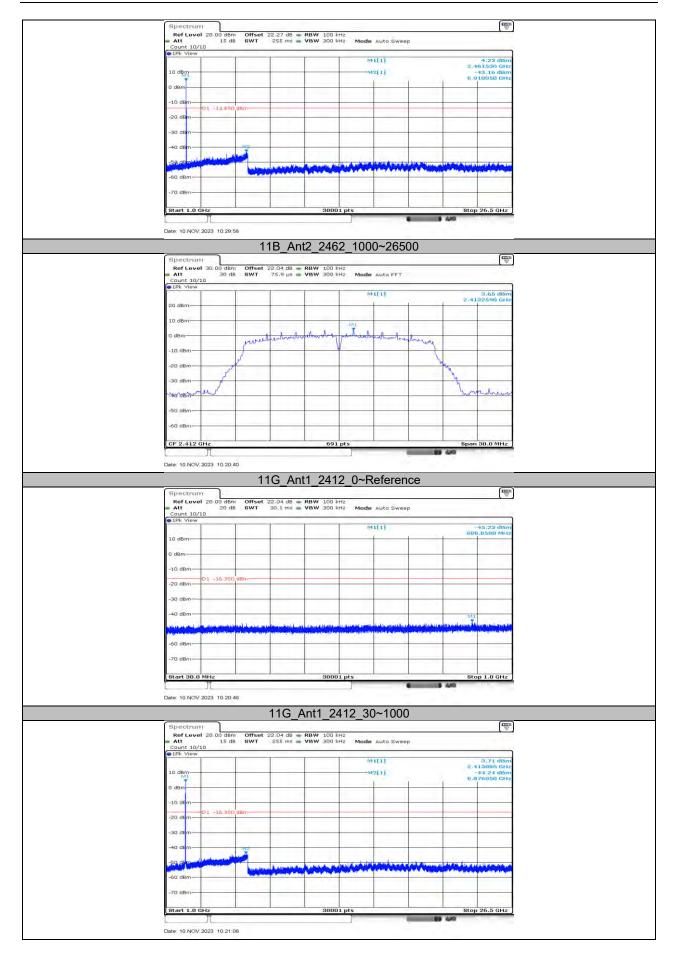






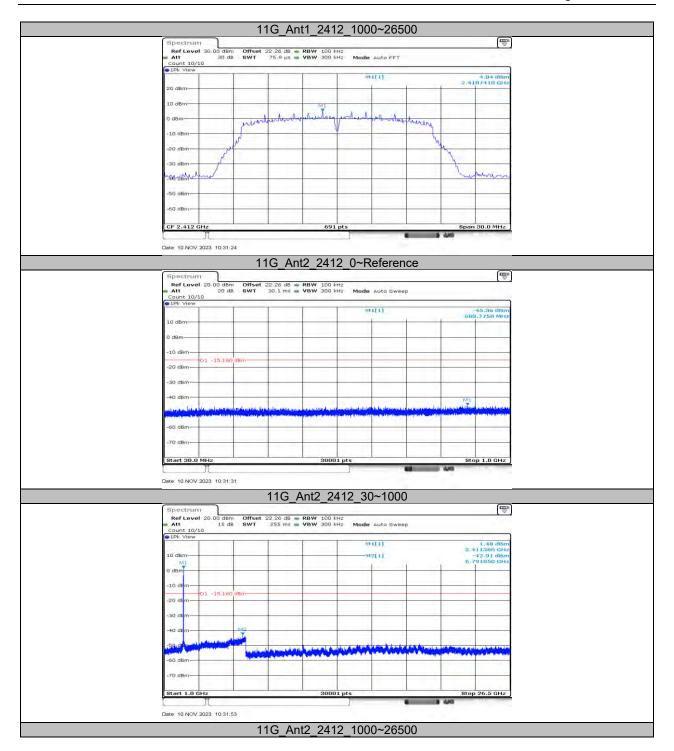




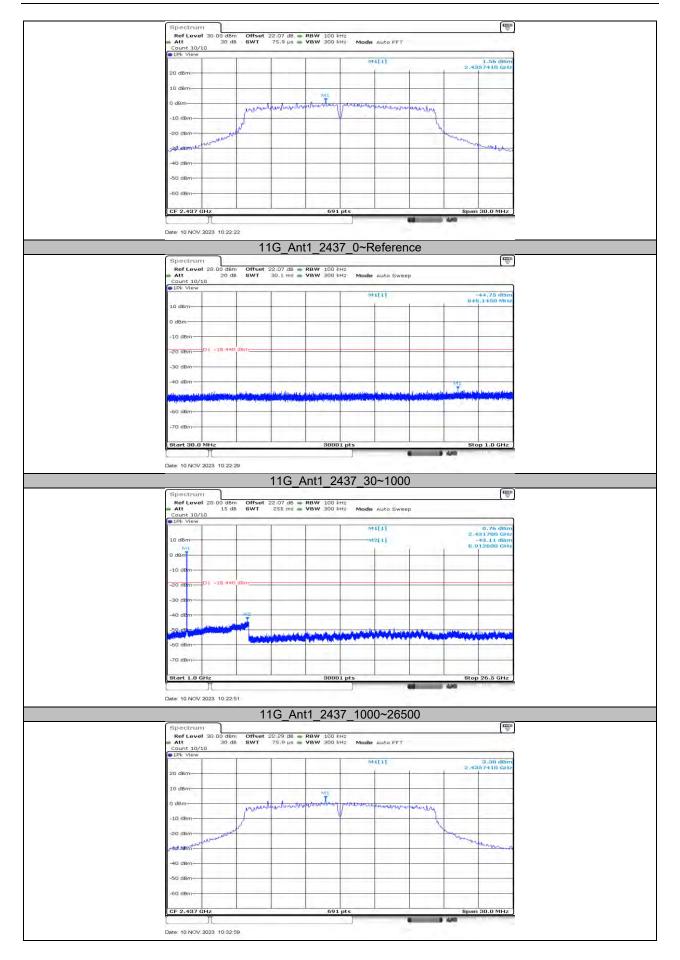


Page 162 of 189

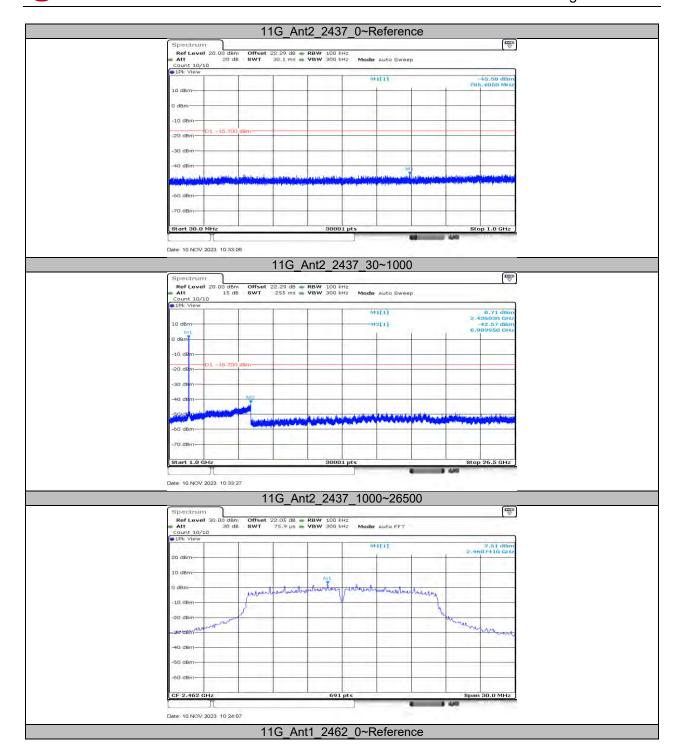




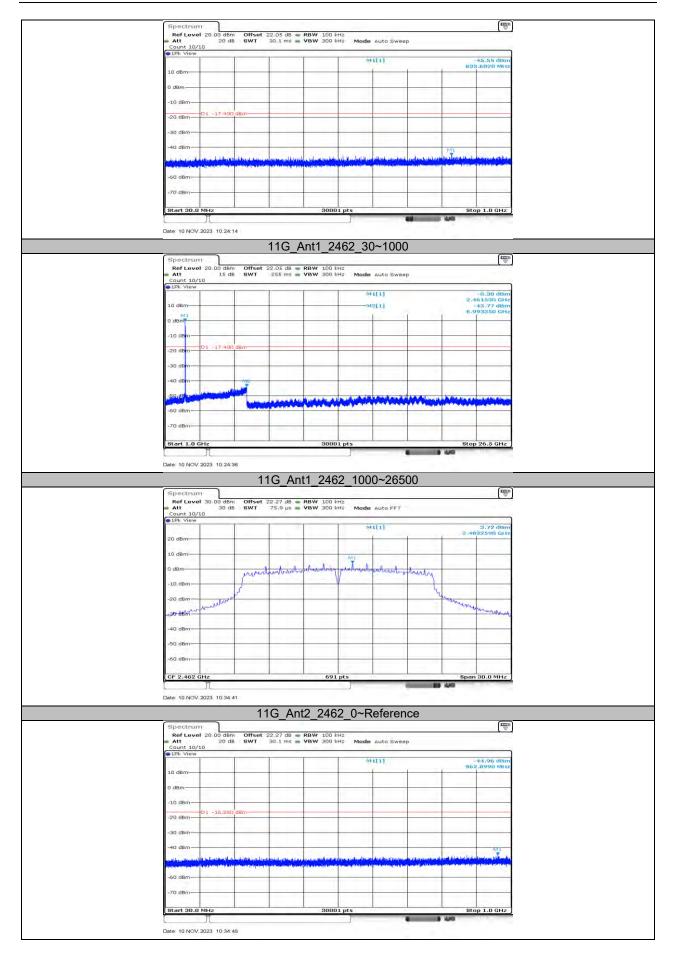




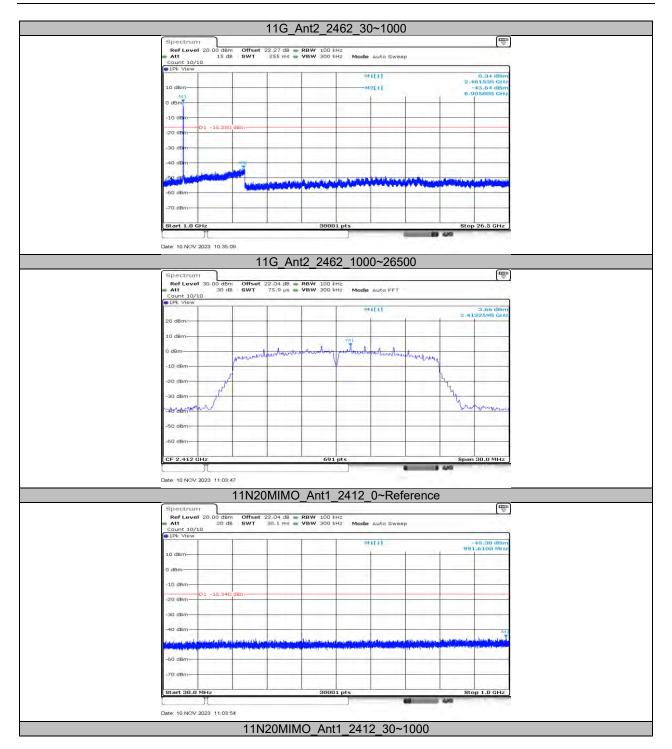




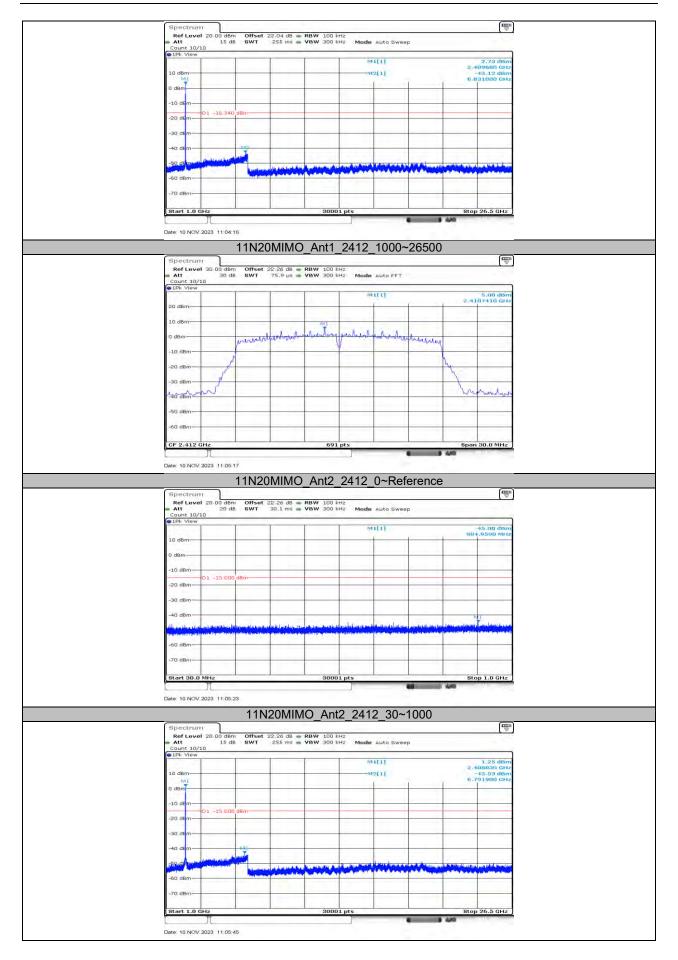




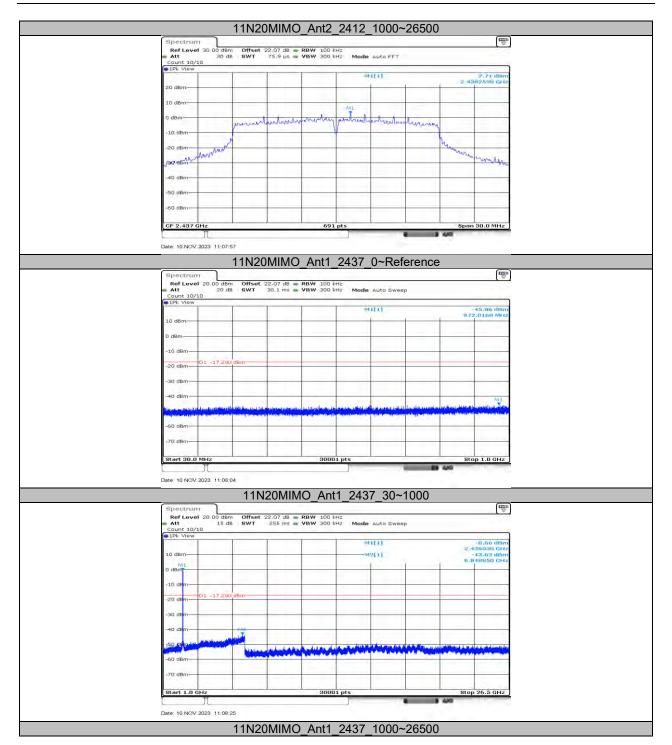


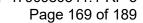




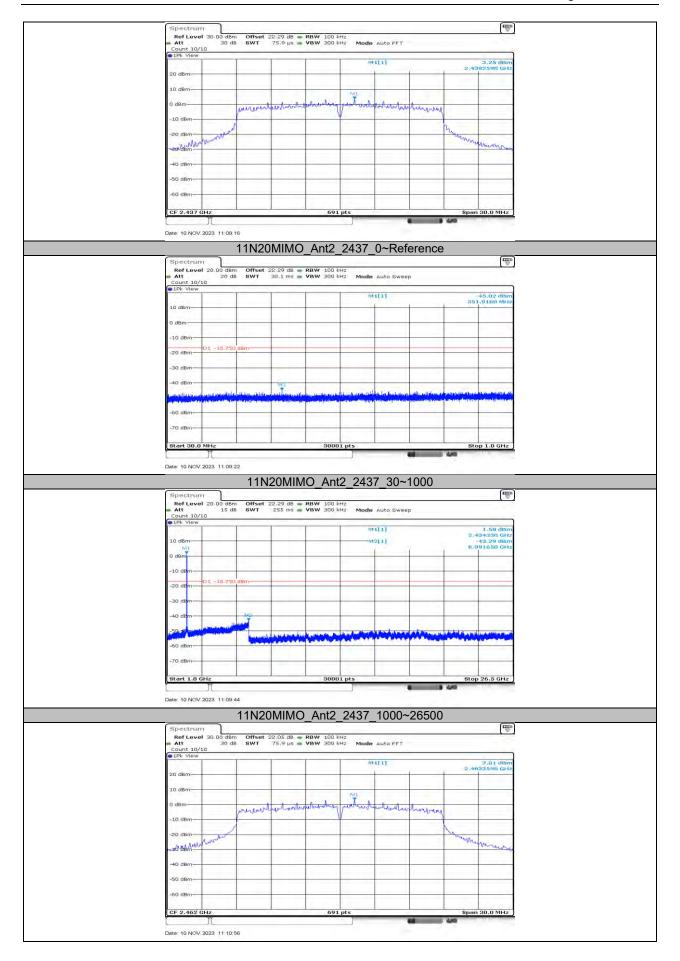




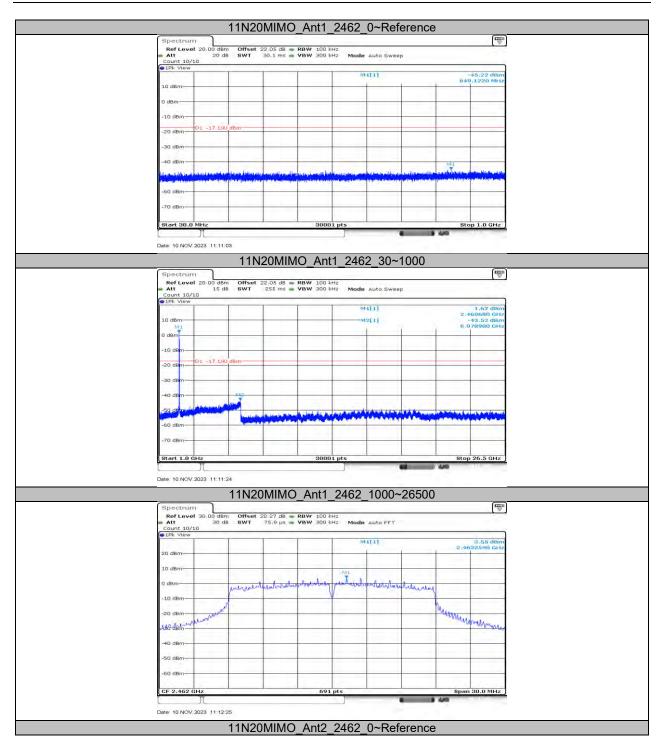




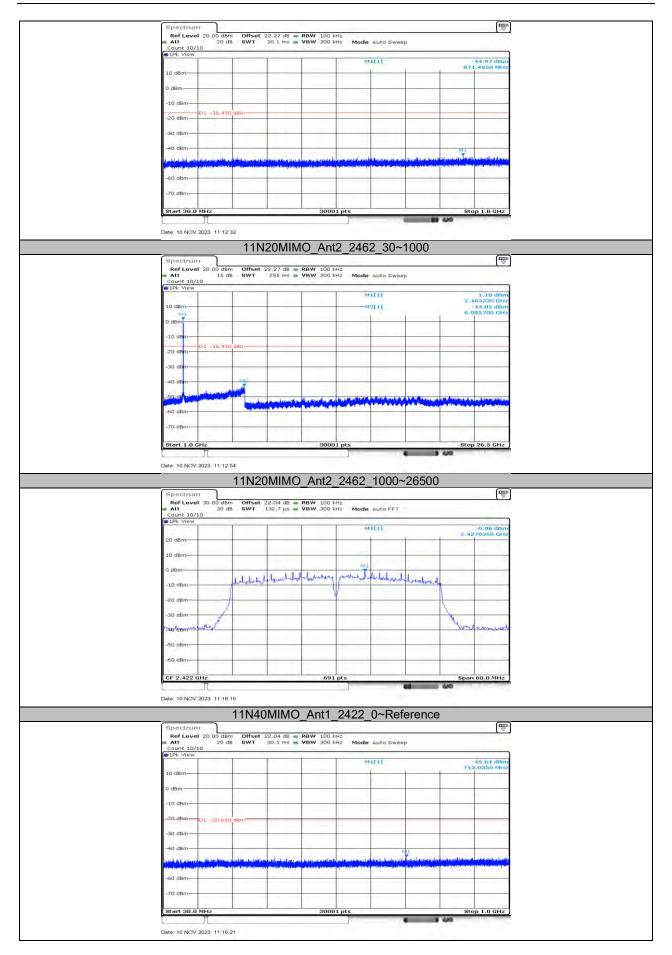




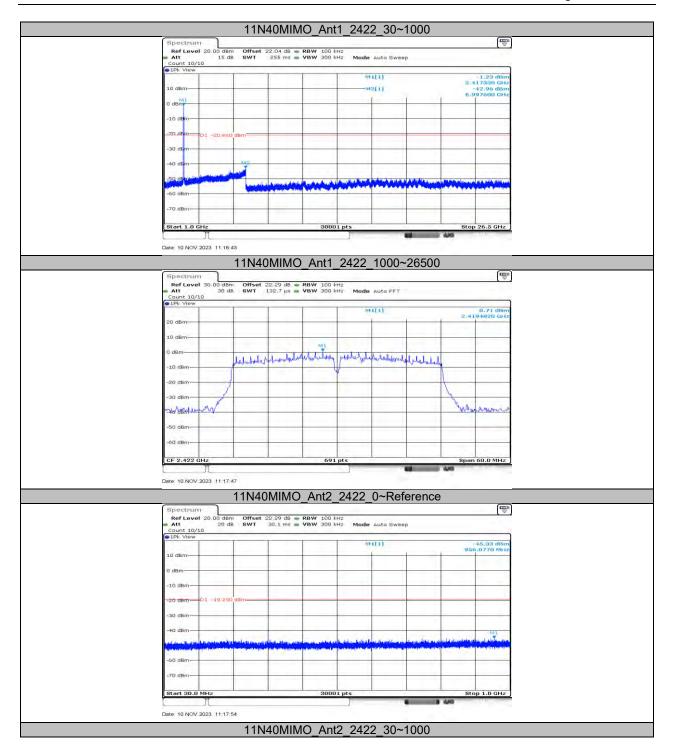




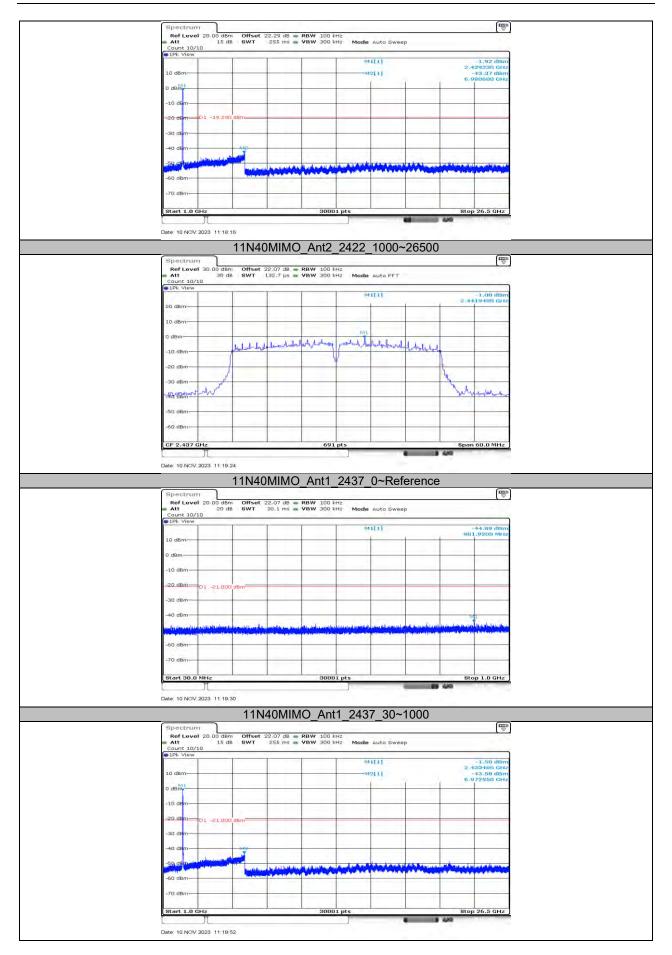




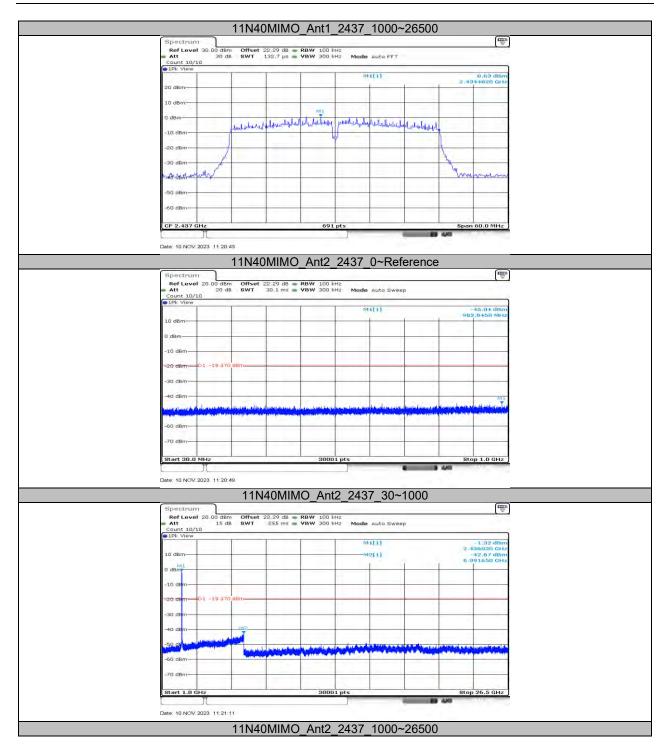




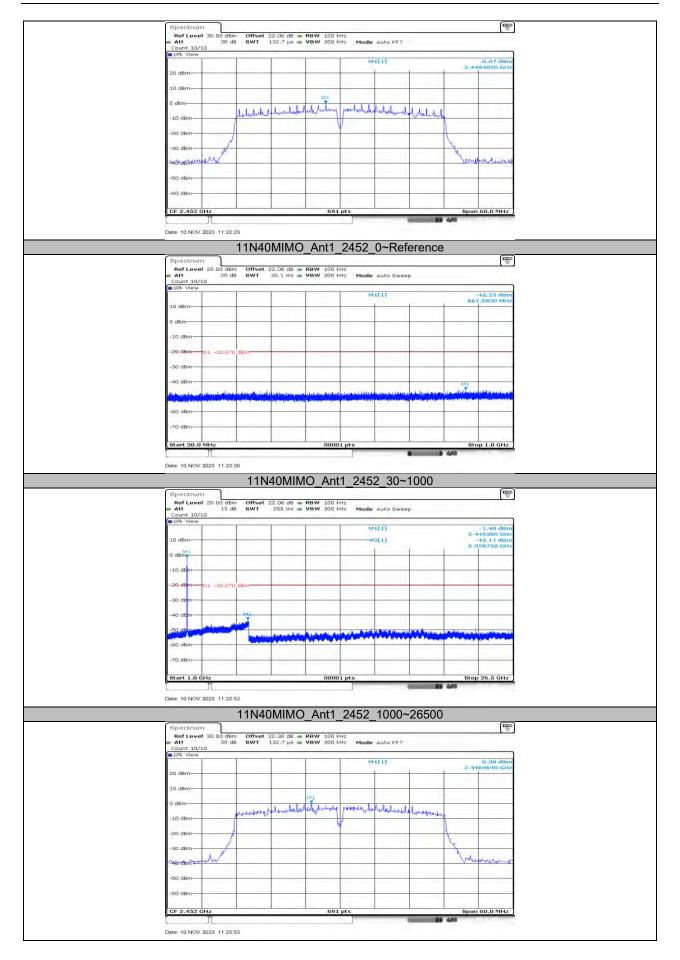




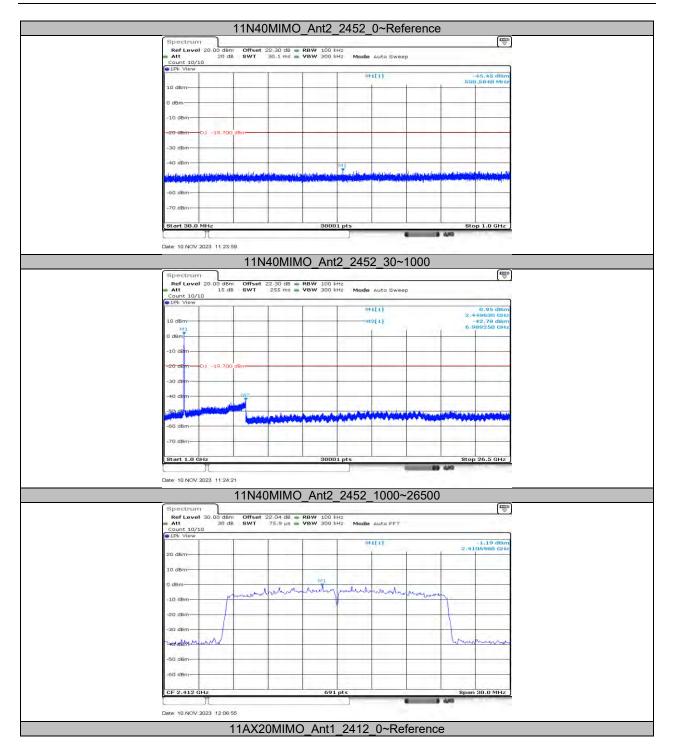




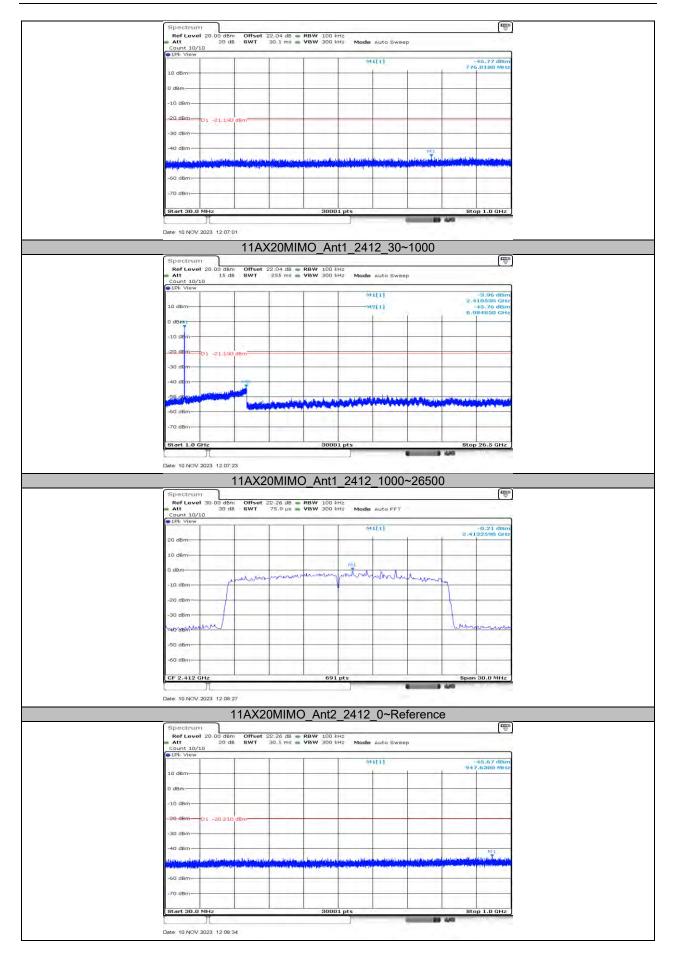




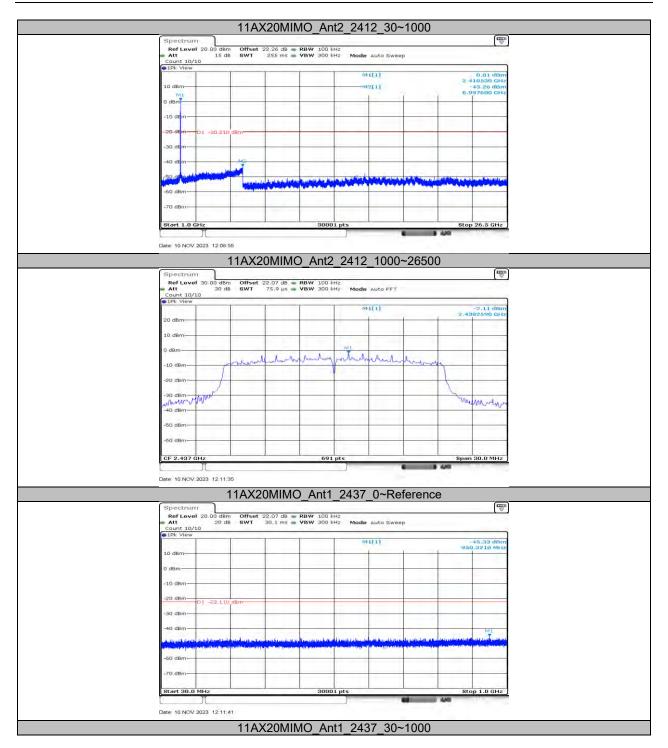




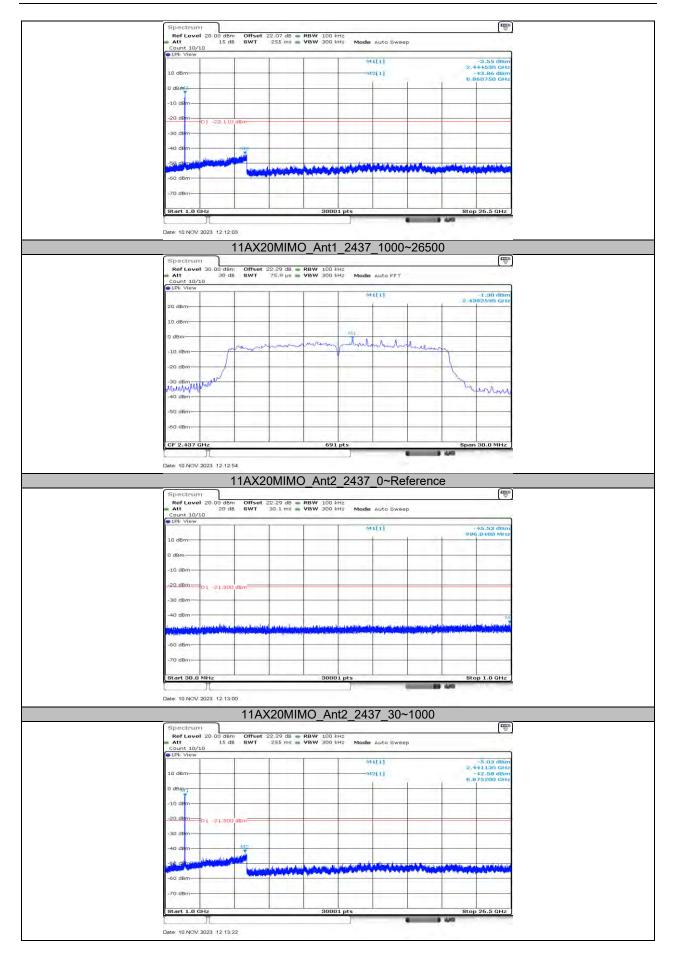




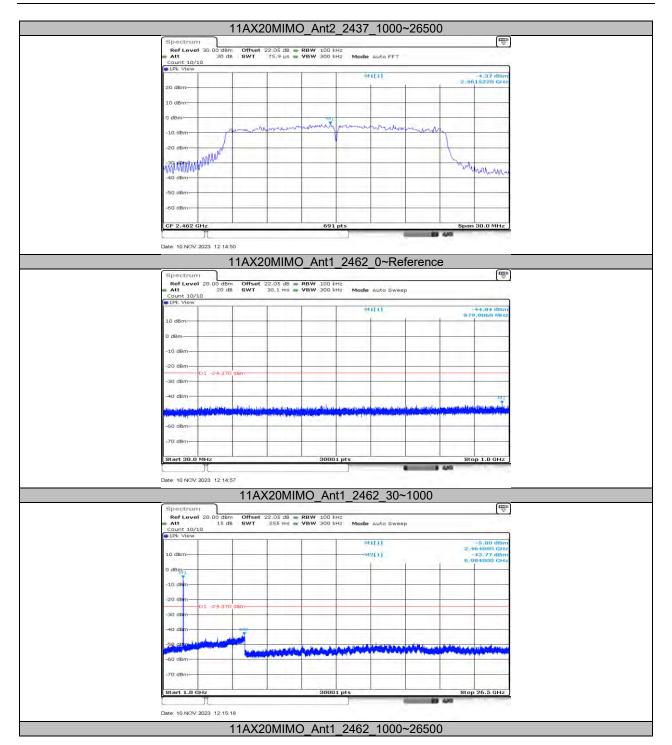




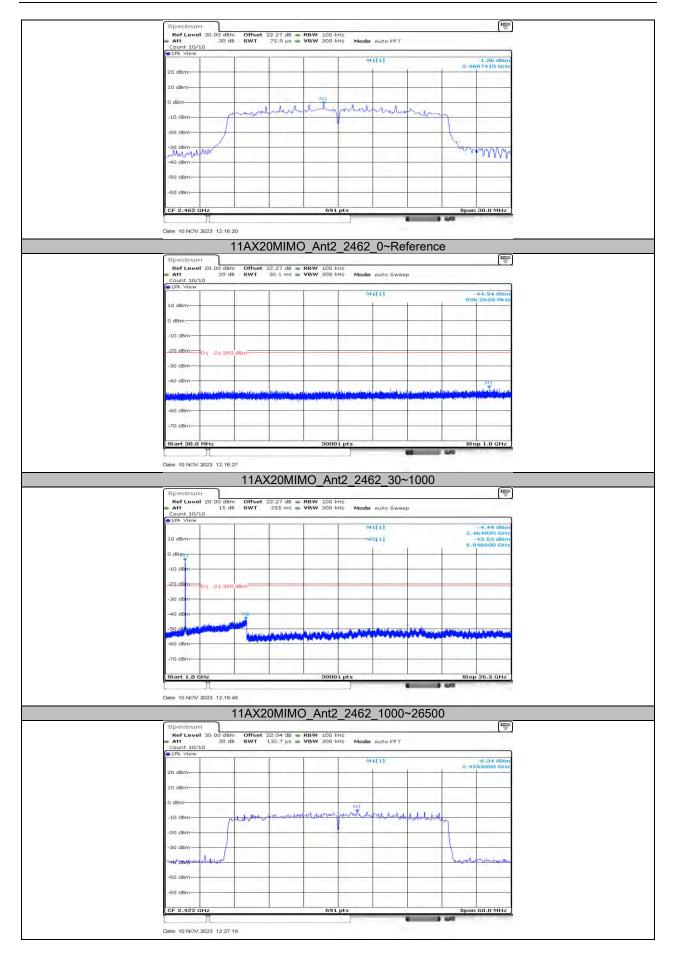






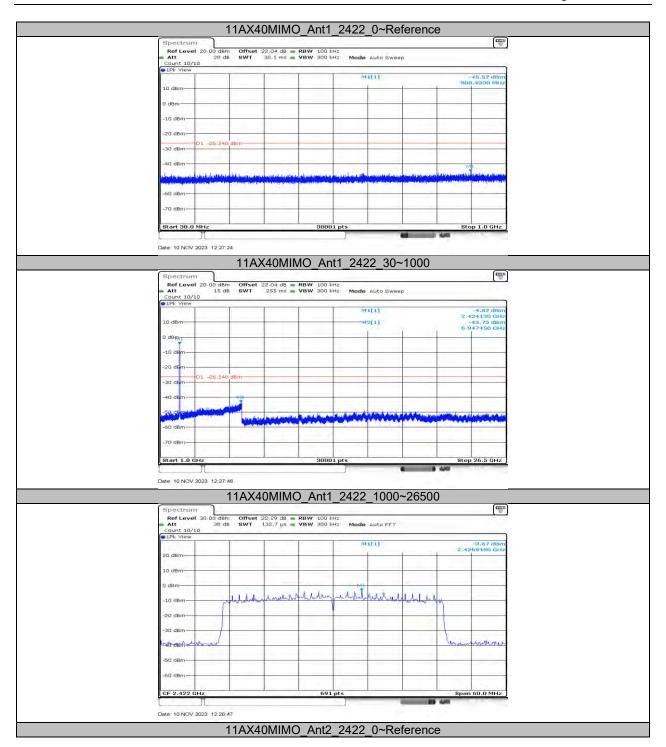




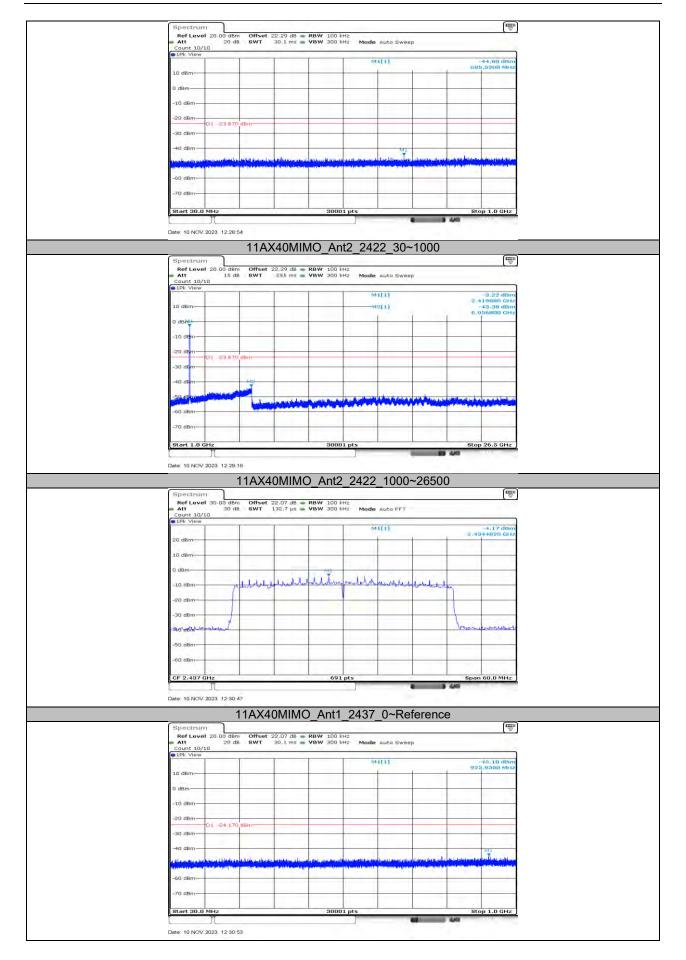


Page 182 of 189

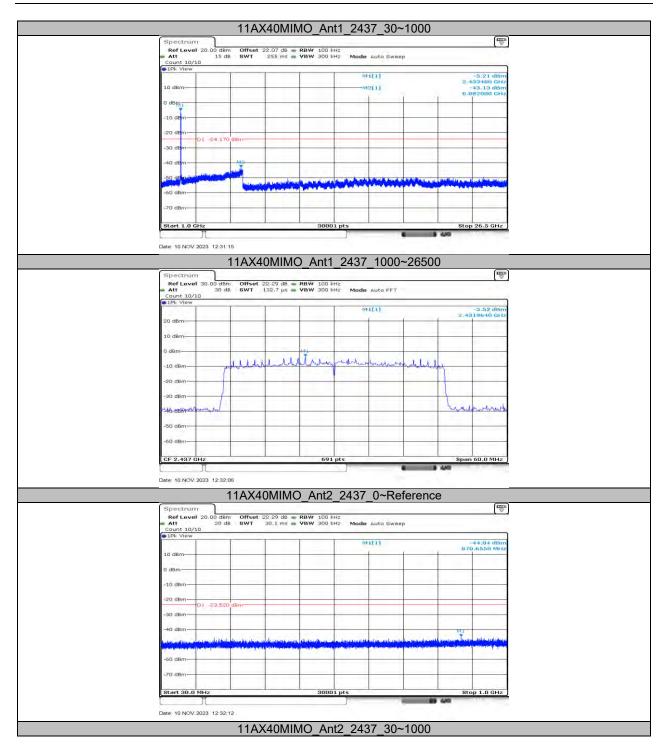




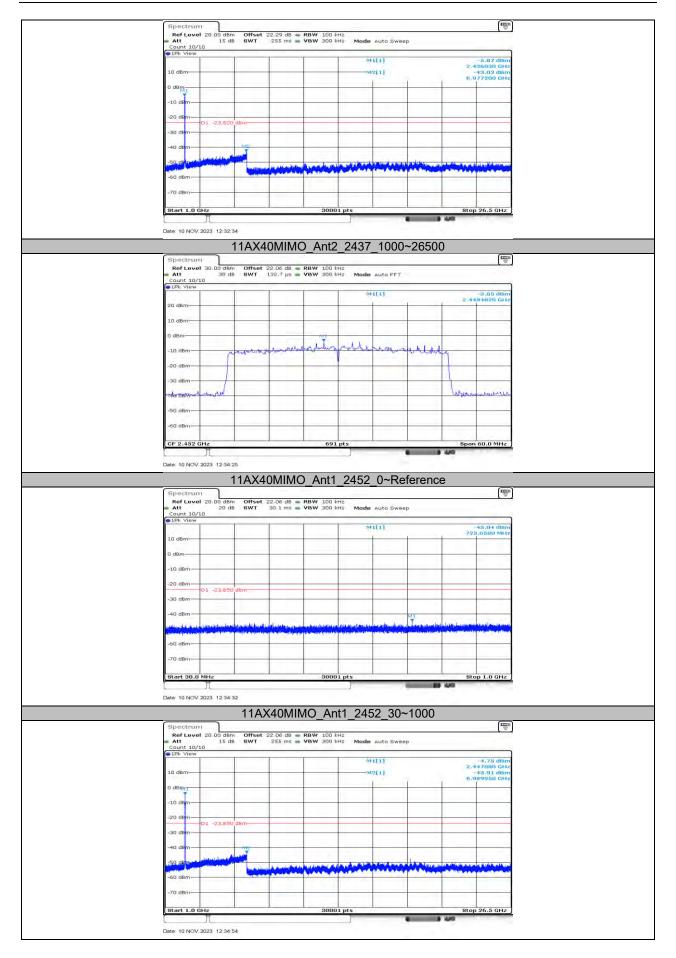




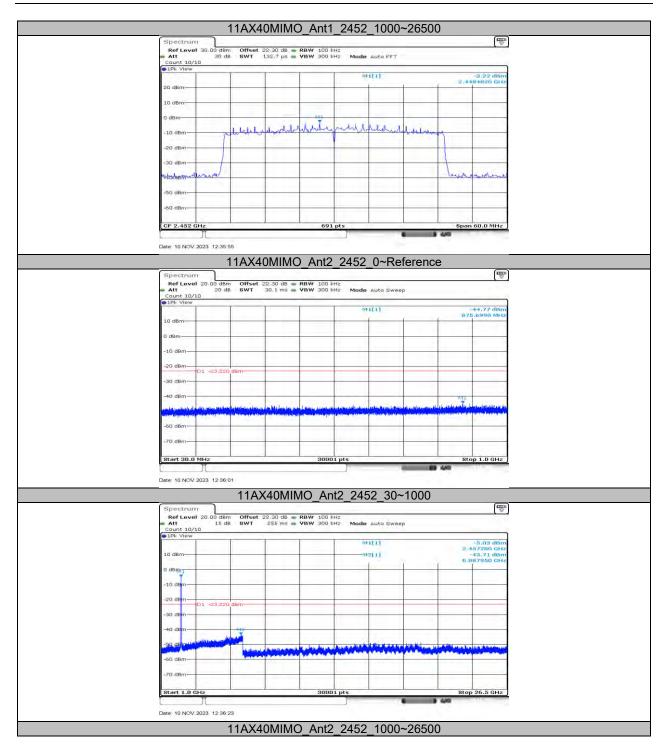














REPORT NO.: 4790980341.1-RF-3

Page 187 of 189

11.7. APPENDIX G: DUTY CYCLE 11.7.1. Test Result

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	8.36	8.97	0.9320	93.20	0.31	0.12	1
11G	0.37	0.56	0.6607	66.07	1.80	2.70	3
11N20MIMO	1.29	1.91	0.6754	67.54	1.70	0.78	1
11N40MIMO	0.65	1.27	0.5118	51.18	2.91	1.54	2
11AX20MIMO	1.96	2.61	0.7510	75.10	1.24	0.51	1
11AX40MIMO	0.54	0.77	0.7013	70.13	1.54	1.85	2

Note:

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

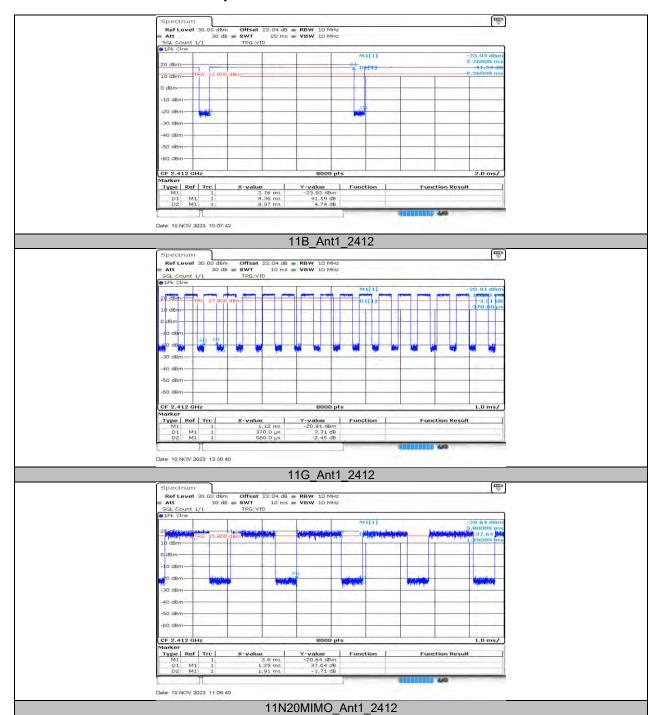
Where: x is Duty Cycle (Linear)

Where: T is On Time

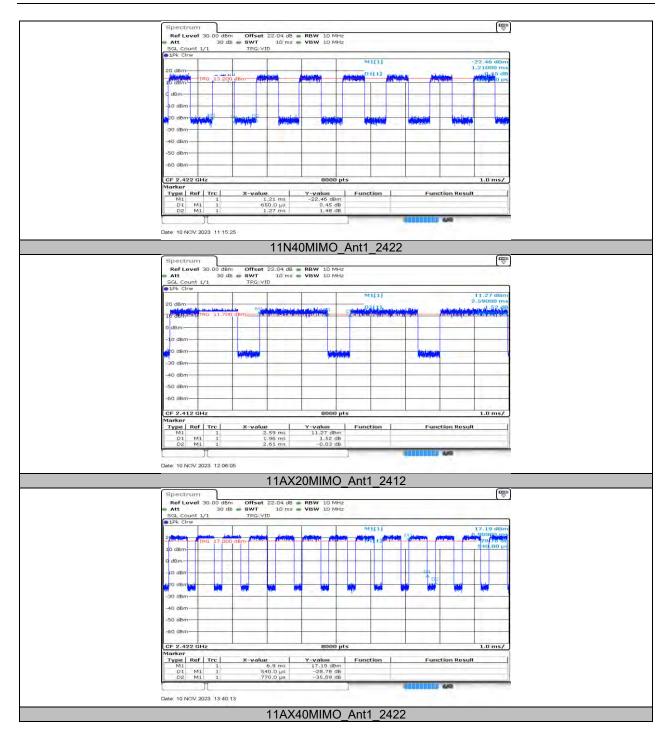
If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.7.2. Test Graphs







END OF REPORT