



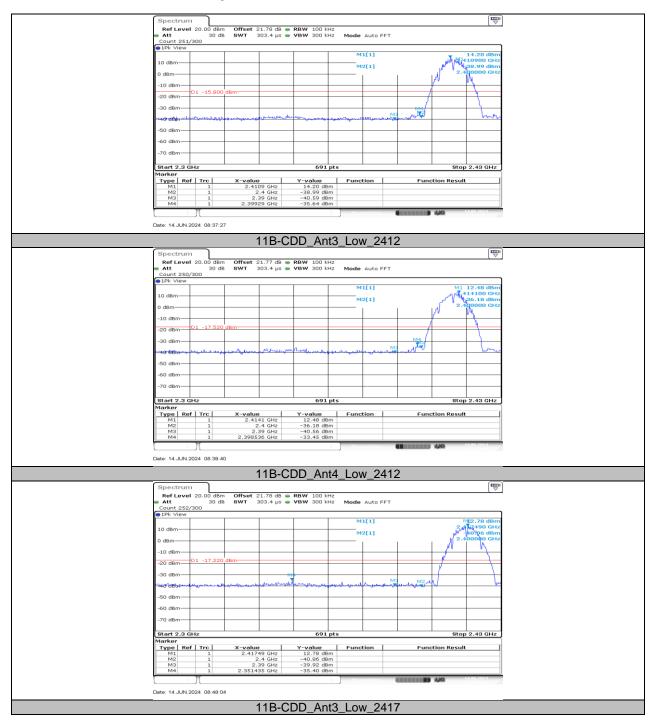
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

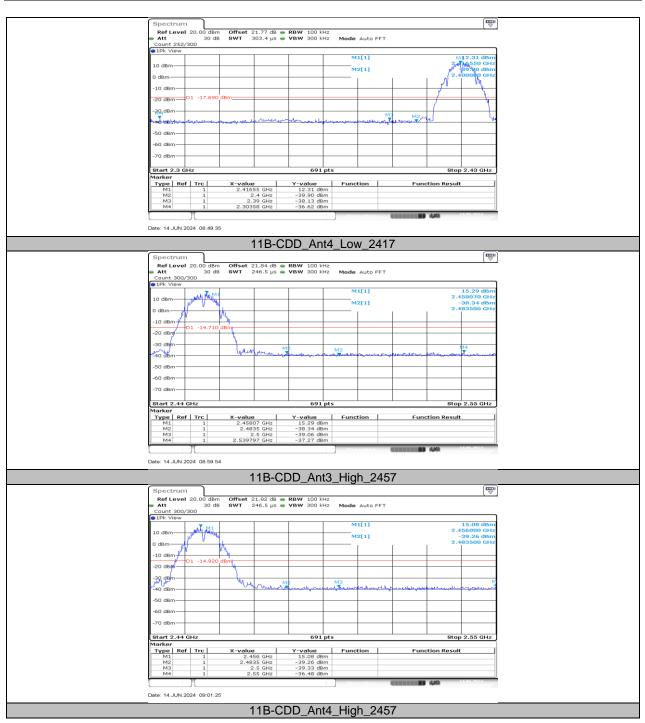
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
	Ant3	Low	2412	14.20	-35.64	≤-15.8	PASS
l E	Ant4	Low	2412	12.48	-33.45	≤-17.52	PASS
	Ant3	Low	2417	12.78	-35.4	≤-17.22	PASS
11B-CDD	Ant4	Low	2417	12.31	-36.62	≤-17.69	PASS
TIB-CDD	Ant3	High	2457	15.29	-37.27	≤-14.71	PASS
	Ant4	High	2457	15.08	-36.48	≤-14.92	PASS
	Ant3	High	2462	15.33	-36.68	≤-14.67	PASS
	Ant4	High	2462	15.08	-35.96	≤-14.92	PASS
	Ant3	Low	2412	7.87	-24.42	≤-22.13	PASS
	Ant4	Low	2412	10.08	-20.18	≤-19.92	PASS
	Ant3	Low	2417	9.85	-23.45	≤-20.15	PASS
110 000	Ant4	Low	2417	10.24	-21.53	≤-19.76	PASS
11G-CDD	Ant3	High	2457	11.00	-30.95	≤-19	PASS
	Ant4	High	2457	10.74	-30.71	≤-19.26	PASS
	Ant3	High	2462	9.49	-25.37	≤-20.51	PASS
	Ant4	High	2462	12.91	-23.37	≤-17.09	PASS
	Ant3	Low	2412	8.52	-27.4	≤-21.48	PASS
	Ant4	Low	2412	8.44	-23.02	≤-21.56	PASS
	Ant3	Low	2417	7.84	-25.43	≤-22.16	PASS
11N20MIMO	Ant4	Low	2417	8.31	-22	≤-21.69	PASS
	Ant3	High	2457	8.81	-31.12	≤-21.19	PASS
	Ant4	High	2457	11.51	-29.53	≤-18.49	PASS
	Ant3	High	2462	5.98	-30.6	≤-24.02	PASS
	Ant4	High	2462	7.93	-32.93	≤-22.07	PASS
	Ant3	Low	2422	4.89	-29.12	≤-25.11	PASS
	Ant4	Low	2422	4.47	-25.89	≤-25.53	PASS
	Ant3	Low	2427	6.53	-25.82	≤-23.47	PASS
11N40MIMO	Ant4	Low	2427	8.00	-22.11	≤-22	PASS
	Ant3	High	2447	3.36	-36.99	≤-26.64	PASS
	Ant4	High	2447	3.22	-38.4	≤-26.78	PASS
	Ant3	High	2452	2.84	-36.1	≤-27.16	PASS
	Ant4	High	2452	1.18	-35.87	≤-28.82	PASS
	Ant3	Low	2412	7.57	-24.86	≤-22.43	PASS
	Ant4	Low	2412	7.54	-22.49	≤-22.46	PASS
	Ant3	Low	2417	9.42	-25.18	≤-20.58	PASS
11AX20MIMO	Ant4	Low	2417	6.66	-24.22	≤-23.34	PASS
	Ant3	High	2457	8.96	-29.8	≤-21.04	PASS
	Ant4	High	2457	11.68	-26.88	≤-18.32	PASS
	Ant3	High	2462	4.64	-39.38	≤-25.36	PASS
	Ant4	High	2462	4.26	-39.21	≤-25.74	PASS
-	Ant3	Low	2422	4.13	-26.56	≤-25.87	PASS
	Ant4	Low	2422	3.48	-27.09	≤-26.52	PASS
	Ant3	Low	2427	4.99	-26.97	≤-25.01	PASS
	Ant4	Low	2427	5.38	-29.41	≤-24.62	PASS
11AX40MIMO	Ant3	High	2447	2.45	-37.91	≤-27.55	PASS
	Ant4	High	2447	3.39	-37.32	≤-26.61	PASS
	Ant3	High	2452	1.72	-37.03	≤-28.28	PASS
	Ant4	High	2452	3.44	-37.27	≤-26.56	PASS



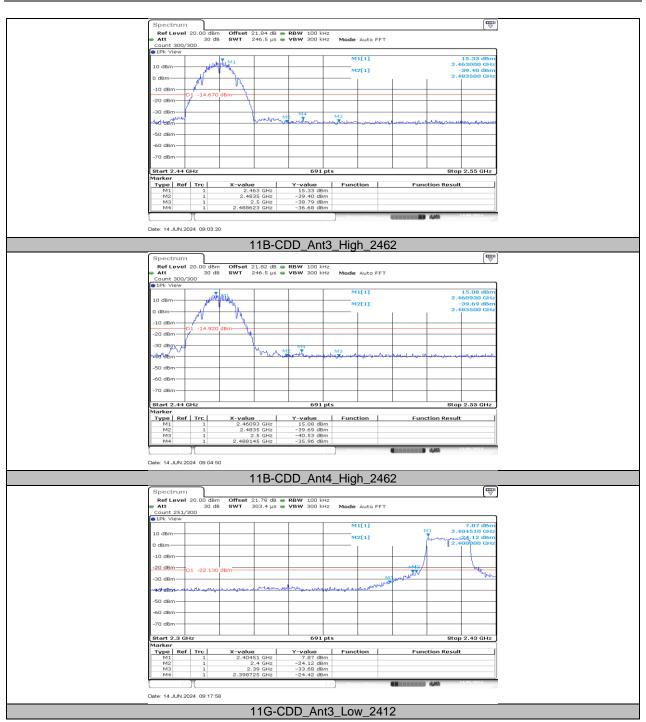
11.5.2. Test Graphs



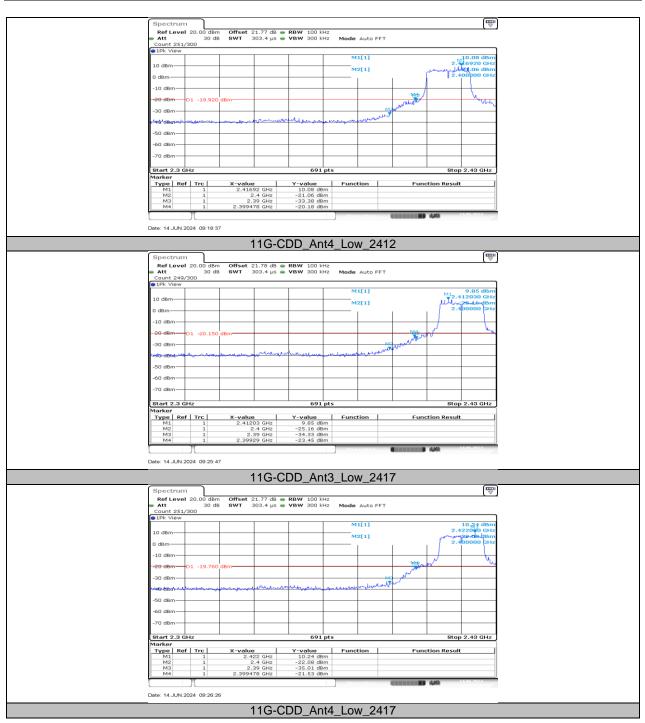




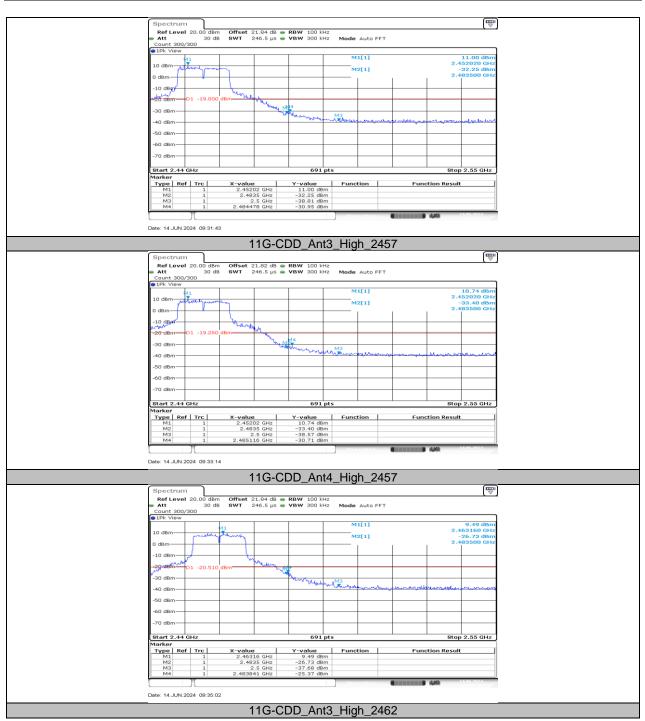




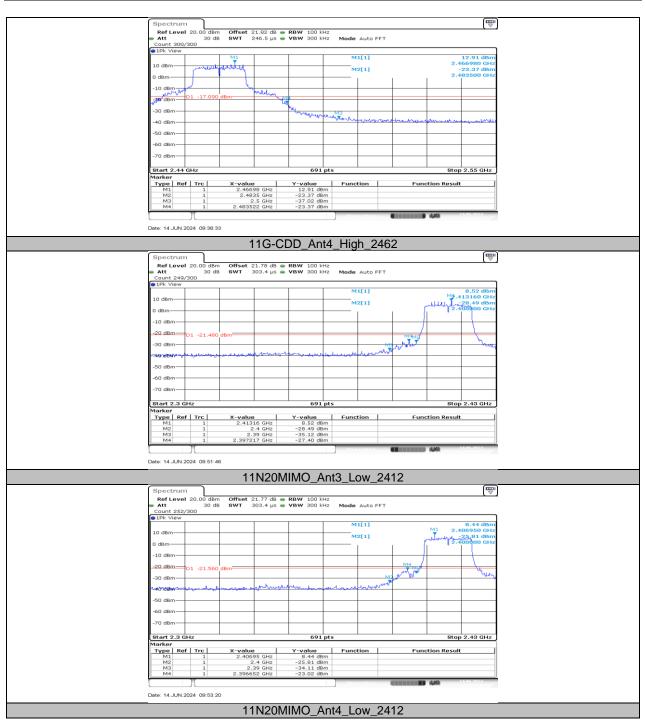




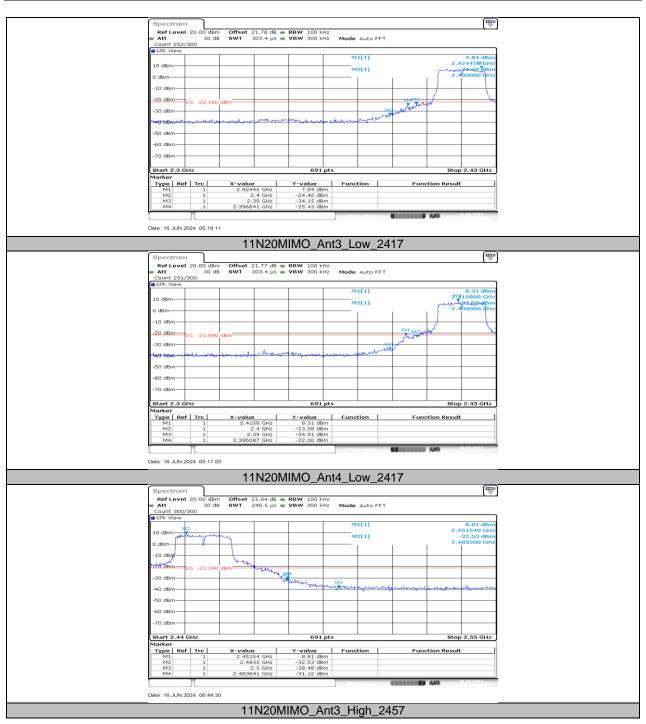




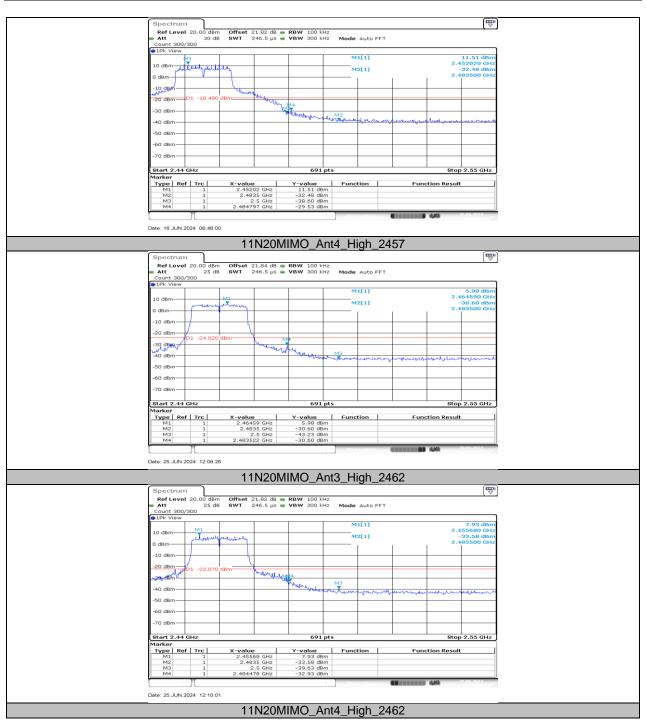




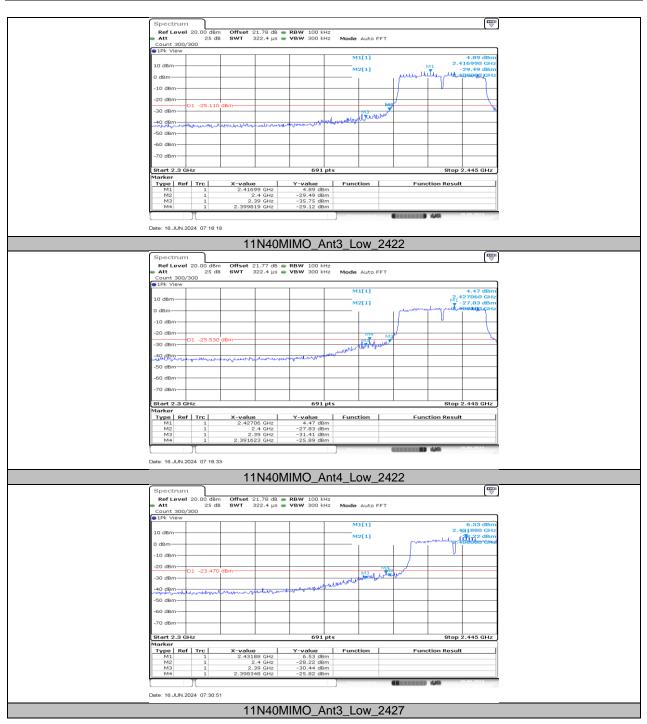




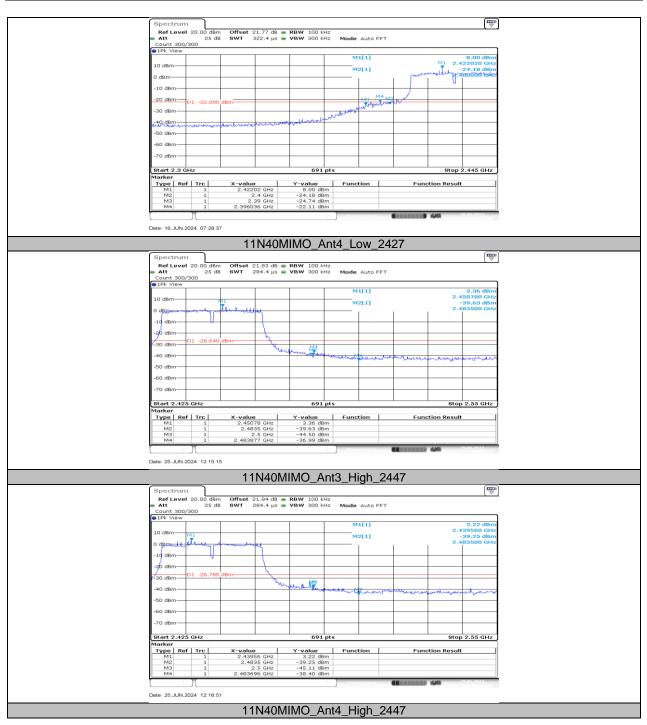




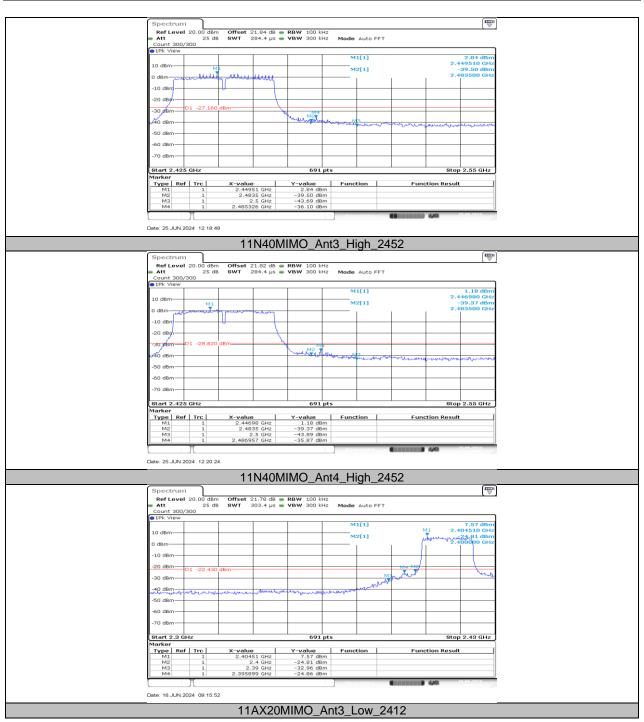




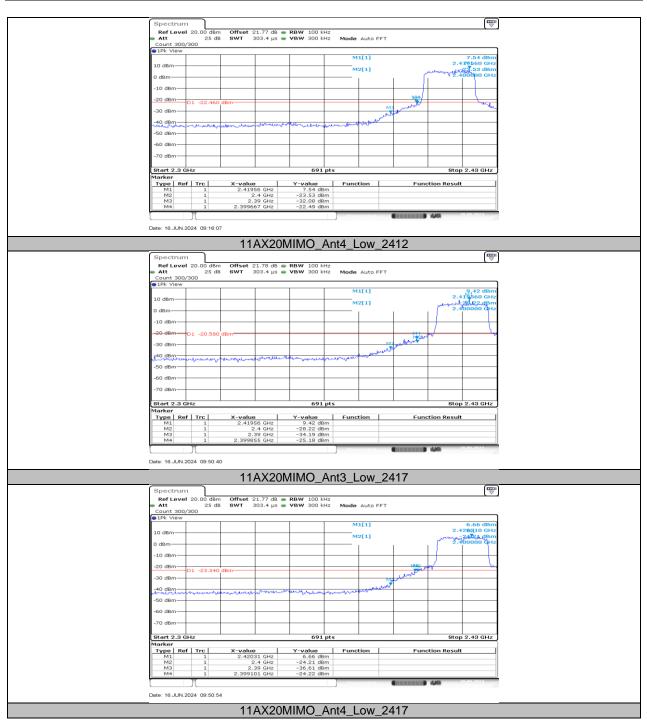




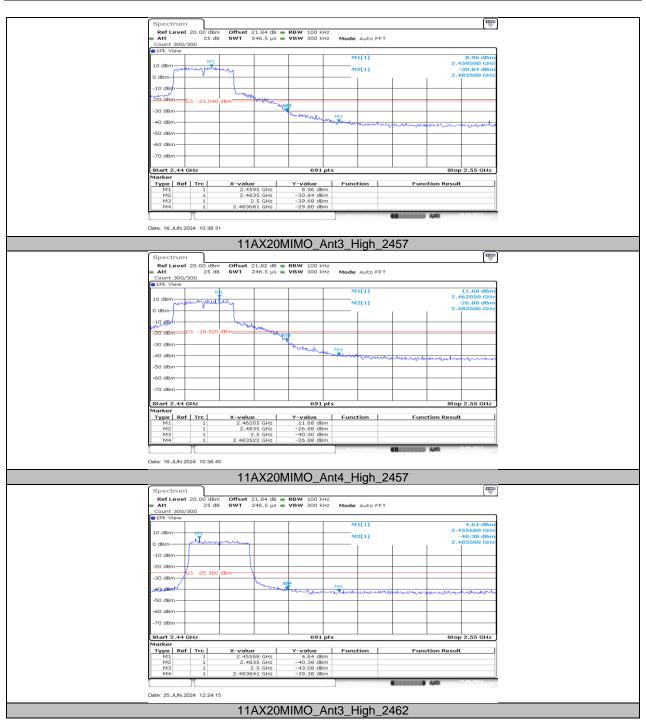




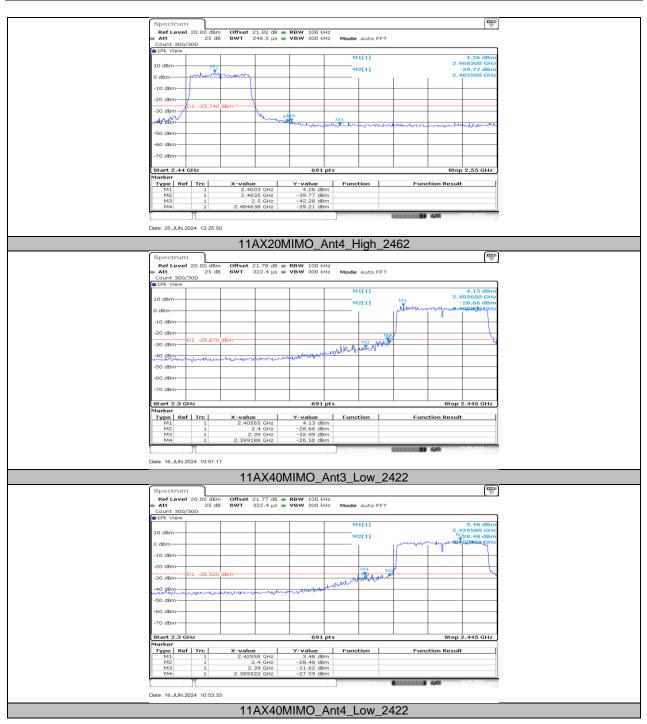




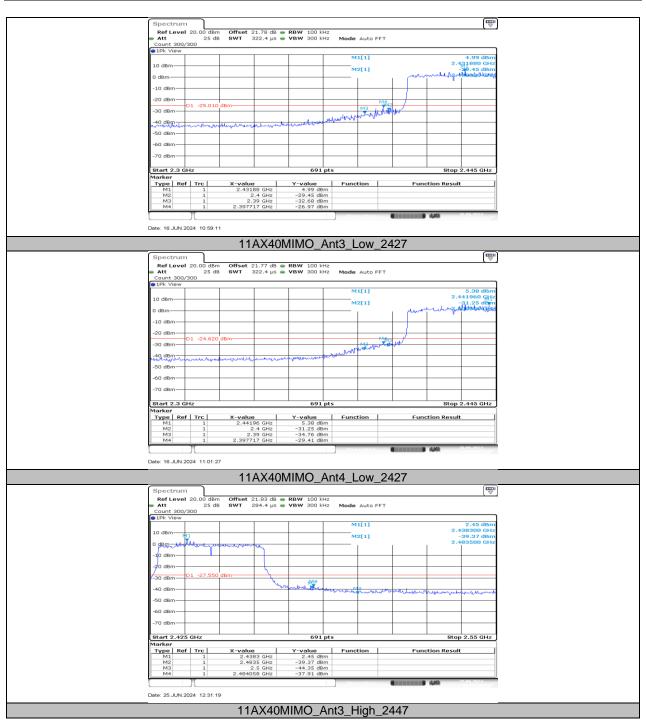




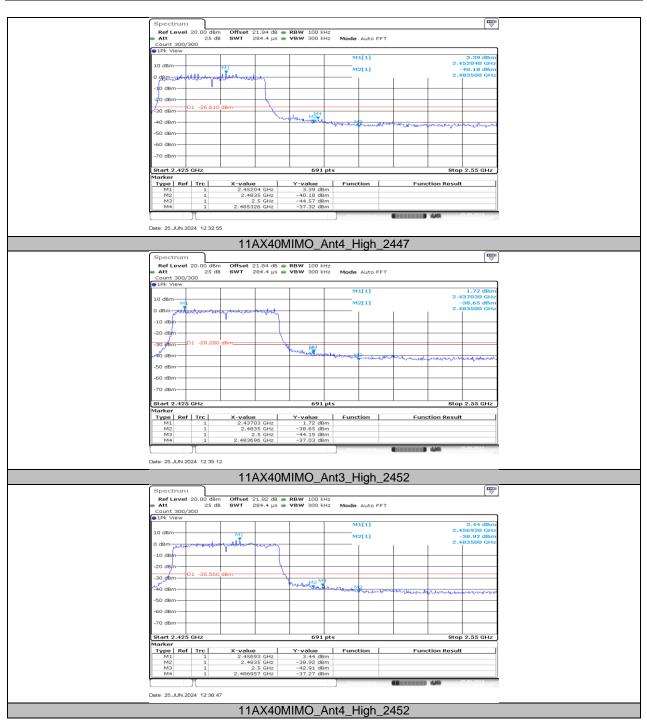








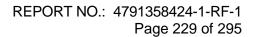






11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION 11.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	14.82		PASS
	Ant3	2412	30~1000	-40.27	≤-15.18	PASS
	7 4110	2112	1000~26500	-40.3	≤-15.18	PASS
			Reference	14.76		PASS
	Ant4	2412	30~1000	-39.54	≤-15.24	PASS
	, un i	22	1000~26500	-40.69	≤-15.24	PASS
			Reference	14.48		PASS
	Ant3	2417	30~1000	-39.85	≤-15.52	PASS
			1000~26500	-40.31	≤-15.52	PASS
			Reference	14.23		PASS
	Ant4	2417	30~1000	-39.86	≤-15.77	PASS
			1000~26500	-40.69	≤-15.77	PASS
			Reference	15.07		PASS
	Ant3	2437	30~1000	-39.7	≤-14.93	PASS
			1000~26500	-40.46	≤-14.93	PASS
11B-CDD			Reference	14.93		PASS
	Ant4	2437	30~1000	-39.74	≤-15.07	PASS
	<i>,</i>		1000~26500	-41.03	≤-15.07	PASS
			Reference	15.29		PASS
	Ant3	2457	30~1000	-40.2	≤-14.71	PASS
	7		1000~26500	-40.48	≤-14.71	PASS
			Reference	15.06		PASS
	Ant4	2457	30~1000	-39.96	≤-14.94	PASS
	,		1000~26500	-40.2	≤-14.94	PASS
			Reference	15.49		PASS
	Ant3	2462	30~1000	-39.81	≤-14.51	PASS
	7 4110	2102	1000~26500	-40.2	≤-14.51	PASS
			Reference	15.27		PASS
	Ant4	2462	30~1000	-39.99	≤-14.73	PASS
			1000~26500	-40.76	≤-14.73	PASS
		2412	Reference	9.60		PASS
	Ant3		30~1000	-40.52	≤-20.4	PASS
			1000~26500	-39.66	≤-20.4	PASS
	Ant4	2412	Reference	10.55		PASS
			30~1000	-39.31	≤-19.45	PASS
			1000~26500	-40.43	≤-19.45	PASS
	Ant3	2417	Reference	10.74		PASS
			30~1000	-40.32	≤-19.26	PASS
			1000~26500	-40.65	≤-19.26	PASS
			Reference	11.56		PASS
	Ant4	2417	30~1000	-40.02	≤-18.44	PASS
	,		1000~26500	-40.26	≤-18.44	PASS
11G-CDD			Reference	12.28		PASS
	Ant3	2437	30~1000	-39.32	≤-17.72	PASS
	7		1000~26500	-39.98	≤-17.72	PASS
			Reference	11.91		PASS
	Ant4	2437	30~1000	-40.06	≤-18.09	PASS
	,	2.101	1000~26500	-39.63	≤-18.09	PASS
			Reference	11.62		PASS
	Ant3	2457	30~1000	-39.81	≤-18.38	PASS
	7 1110	2101	1000~26500	-40.24	≤-18.38	PASS
			Reference	12.77		PASS
	Ant4	2457	30~1000	-40.29	≤-17.23	PASS
	/ 111-7	2701	1000~26500	-40.23	≤-17.23	PASS
	Ant3	2462	Reference	11.13		PASS
	71110	2402	IVEIGIGIICE	11.15		1700





I	1		20,4000	40.04	< 10.07	DAGO
			30~1000	-40.31	<u>≤-18.87</u>	PASS PASS
			1000~26500	-40.25 12.82	≤-18.87	PASS
	A nt 1	0460	Reference			
	Ant4	2462	30~1000	-39.79	≤-17.18	PASS PASS
			1000~26500	-40.7	≤-17.18	
	A nt2	2442	Reference	9.17 -39.62	 ≤-20.83	PASS PASS
	Ant3	2412	30~1000			
-			1000~26500	-39.38	≤-20.83	PASS
	A = 14	0.440	Reference	7.08		PASS
	Ant4	2412	30~1000	-40.15	≤-22.92	PASS
-			1000~26500	-40.33	≤-22.92	PASS
			Reference	10.06		PASS
	Ant3	2417	30~1000	-40.13	≤-19.94	PASS
_			1000~26500	-39.98	≤-19.94	PASS
			Reference	9.53		PASS
	Ant4	2417	30~1000	-39.86	≤-20.47	PASS
_			1000~26500	-40.15	≤-20.47	PASS
			Reference	11.54		PASS
	Ant3	2437	30~1000	-39.52	≤-18.46	PASS
11N20MIMO			1000~26500	-40.63	≤-18.46	PASS
			Reference	10.86		PASS
	Ant4	2437	30~1000	-39.92	≤-19.14	PASS
			1000~26500	-40.53	≤-19.14	PASS
			Reference	11.51		PASS
	Ant3	2457	30~1000	-39.78	≤-18.49	PASS
			1000~26500	-40.55	≤-18.49	PASS
		2457	Reference	10.75		PASS
	Ant4		30~1000	-40	≤-19.25	PASS
	,		1000~26500	-40.07	≤-19.25	PASS
-		2462	Reference	6.30		PASS
	Ant3		30~1000	-39.31	≤-23.7	PASS
			1000~26500	-40.07	≤-23.7	PASS
-			Reference	9.44		PASS
	Ant4	2462	30~1000	-39.28	≤-20.56	PASS
	Ant4	2402	1000~26500	-40.24	≤-20.56	PASS
			Reference	5.03	<u> </u>	PASS
	Ant3	2422	30~1000	-39.71	 ≤-24.97	PASS
			1000~26500	-40.73	<u>≤-24.97</u>	PASS
-	Ant4	2422		6.30	<u> </u>	PASS
			Reference			
			30~1000	-39.57	≤-23.7	PASS
-			1000~26500	-40.64	≤-23.7	PASS
	Ant3	2427	Reference	6.52		PASS
			30~1000	-39.92	≤-23.48	PASS
ļ			1000~26500	-39.36	≤-23.48	PASS
	Ant4	2427	Reference	7.22		PASS
			30~1000	-40.17	≤-22.78	PASS
			1000~26500	-40.92	≤-22.78	PASS
11N40MIMO			Reference	7.29		PASS
-	Ant3	2437	30~1000	-39.6	≤-22.71	PASS
			1000~26500	-39.47	≤-22.71	PASS
			Reference	9.61		PASS
	Ant4	2437	30~1000	-40.46	≤-20.39	PASS
			1000~26500	-40.36	≤-20.39	PASS
ľ			Reference	3.53		PASS
	Ant3	2447	30~1000	-39.94	≤-26.47	PASS
			1000~26500	-40.51	≤-26.47	PASS
ł			Reference	3.16		PASS
	Ant4	2447	30~1000	-39.29	≤-26.84	PASS
	Ant4	2117	1000~26500	-40.25	≤-26.84	PASS



Image: 1000 -40.17 -5.27.16 PASS 1000-25500 -40.18 -5.27.16 PASS 30-1000 -39.45 -5.27.16 PASS 1000-25500 -40.4 -5.27.76 PASS Ant3 2412 PASS 30-1000 -40.31 -5.21.15 PASS 1000-25500 -40.46 -5.22 PASS Ant4 2412 -30-1000 -5.93.79 -5.22 PASS Ant4 2412 -30-1000 -40.66 -5.22 PASS Ant3 2417 -30-1000 -40.66 -5.22 PASS Ant3 2417 -7.60 -7.83 PASS Ant4 2417 -30-1000 -30.96 -5.21.17 PASS Ant4 2417 -30-1000 -30.96 -5.21.21 PASS Ant4 2437 -30-1000 -39.84 -5.18.91 PASS Ant4 2437 -30-1000 -39.84 -5.18	Г Г Г		1	00 4000	40.47	4 07 40	
Anti4 2452 Reference 2.24 PASS 1000-26500 -40.4 5-27.76 PASS 1000-26500 -40.4 5-27.76 PASS 30-1000 40.31 PASS 1000-26500 -40.41 5-21.15 PASS Anti3 2412 30-1000 -40.31 PASS Anti4 2412 30-1000 -40.66 5-22 PASS Anti3 2417 -000-26500 -40.66 5-22 PASS Anti3 2417 -000-26500 -40.67 5-22.17 PASS Anti4 2417 -000-26500 -40.56 5-22.17 PASS Anti3 2437 -000-26500 -40.31 PASS 1000-26500 -40.32 PASS PASS 1000-26500 -40.33 PASS PASS PASS PASS PASS					-		
Ant4 2452 30-1000 -39.45 5-27.76 PASS Ant3 2412 30-1000 -40.4 5-27.76 PASS 30-1000 -40.4 5-27.76 PASS - PASS 30-1000 -39.3 5-21.15 PASS - PASS 1000-26500 -39.9 5-22. PASS - PASS 1000-26500 -40.66 5-22. PASS - PASS Ant3 2417 -30-1000 -40.47 -5-22. PASS 1000-26500 -40.66 5-22.17 PASS - Ant3 2417 -30-1000 -39.56 -52.121 PASS 1000-26500 -39.96 -52.121 PASS - PASS - PASS - -	-						
Image: constraint of the second sec		A .= 14	0450				
Ant3 2412 Reference 30-1000 40.31 S-21.15 PASS PASS Ant4 2412 30-1000 -40.31 S-21.15 PASS Ant4 2412 30-1000 -39.19 S-21.15 PASS Ant3 2417 30-1000 -39.79 S-22 PASS Ant3 2417 30-1000 -40.47 S-22.17 PASS Ant3 2417 30-1000 -40.47 S-22.17 PASS 1000-26500 -39.96 S-21.21 PASS PASS 1000-26500 -39.86 S-21.21 PASS Ant4 2417 30-1000 -39.86 S-21.21 PASS 1000-26500 -39.84 S-18.91 PASS No<-20.96		Ant4	2452				
Ant3 2412 30-1000 -40.31 s-21.15 PASS 1000-26500 -39.9 s-21.15 PASS - PASS 1000-26500 -40.66 s-22 PASS - PASS 1000-28500 -40.67 s-22 PASS - PASS Ant3 2417 30-1000 -40.47 s-22.17 PASS 1000-28500 -40.456 s-22.17 PASS - PASS Ant4 2417 30-1000 -39.56 s-21.21 PASS 1000-28500 -40.35 s-21.21 PASS - PASS Ant4 2437 30-1000 -39.86 s-21.21 PASS Ant3 2437 30-1000 -39.83 s-20.96 PASS Ant4 2437 30-1000 -39.83 s-20.96 PASS Ant3 2457 30-1000 -39.83 s-20.96 PASS Ant4 2457 30-1000 -39.81 s-21.78 PAS					-		
Interpretation 1000-26500 -39.9 5-21.15 PASS Ant4 2412 30-1000 -39.79 5-22 PASS 1000-26500 -40.66 5-22 PASS 1000-26500 -40.66 5-22 PASS Ant3 2417 30-1000 -40.47 5-22.17 PASS Ant3 2417 30-1000 -40.47 5-22.17 PASS Ant4 2417 30-1000 -39.56 5-21.21 PASS 1000-26500 -39.96 5-21.21 PASS 1000-26500 -40.47 -52.17 PASS Ant3 2437 30-1000 -39.84 5-18.91 PASS 1000-26500 -40.32 5-18.91 PASS Ant4 2437 30-1000 -39.83 s-20.96 PASS 1000-26500 -40.91 -52.123 PASS Ant3 2457 30-1000 -39.81 s-17.81 PASS 1000-26500 -40.91 s-21.23 PASS Ant4 2457		Ant2	2/12				
Ant4 2412 Reference 8.00 PASS 30-1000 -39.79 s-22 PASS 1000-26500 -40.66 s-22 PASS Ant3 2417 30-1000 -40.47 s-22.17 PASS 1000-26500 -40.46 s-22.17 PASS PASS Ant4 2417 30-1000 -39.56 s-21.21 PASS Ant4 2417 30-1000 -39.56 s-21.21 PASS Ant3 2437 30-1000 -39.46 s-11.81 PASS Ant3 2437 30-1000 -39.36 s-21.21 PASS Ant4 2437 30-1000 -39.44 s-11.81 PASS Ant4 2437 30-1000 -39.85 s-20.96 PASS Ant4 2457 30-1000 -39.81 s-20.96 PASS Ant3 2462 PASS 1000-26500 -40.91 s-21.73 PASS Ant3 <		Anto	2412				
Ant4 2412 30-1000 -538.79 5-22 PASS Ant3 2417 30-1000 -40.66 5-22 PASS Ant3 2417 30-1000 -40.47 5-22.17 PASS Ant4 2417 30-1000 -40.47 5-22.17 PASS Ant4 2417 30-1000 -33.56 5-22.17 PASS Ant4 2417 30-1000 -33.56 5-21.21 PASS Ant3 2437 30-1000 -33.84 5-18.91 PASS Ant3 2437 30-1000 -39.96 5-20.96 PASS Ant4 2437 30-1000 -39.84 5-18.91 PASS Ant4 2437 30-1000 -39.93 5-20.96 PASS Ant4 2457 30-1000 -39.91 5-17.81 PASS Ant4 2457 PASS 1000-26500 -40.91 5-21.23 PASS Ant4 2462 30-1000 -38.	-					-	
Ant3 2417 100-26500 -40.66 5-22 PASS Ant3 2417 30-1000 -40.47 5-22.17 PASS 1000-26500 -40.56 5-22.17 PASS PASS Ant4 2417 30-1000 -39.56 5-21.21 PASS Ant4 2417 30-1000 -39.56 5-21.21 PASS Ant3 2437 30-1000 -39.84 5-18.91 PASS 1000-26500 -40.32 5-18.91 PASS 1000-26500 -40.32 5-18.91 PASS Ant4 2437 30-1000 -39.84 5-20.96 PASS PASS Ant3 2457 30-1000 -39.81 5-20.96 PASS PASS Ant3 2457 30-1000 -39.91 5-21.23 PASS Ant4 2457 30-1000 -39.91 5-21.23 PASS Ant3 2462 -30-1000 -39.91 5-21.89 PASS Ant4 2467		Apt4	2412				
Ant3 2417 Reference 7.83 PASS 1000-26500 -40.56 <22.17		Ant4	2412				
Ant3 2417 30-1000 -40.47 S-22.17 PASS Ant4 2417 30-1000 -40.56 S-22.17 PASS Ant4 2417 30-1000 -39.56 S-22.17 PASS 1000-26500 -39.56 S-21.21 PASS PASS Ant3 2437 30-1000 -39.84 S-18.91 PASS 1000-26500 -40.32 S-18.91 PASS PASS Ant3 2437 30-1000 -39.84 S-20.96 PASS Ant4 2437 30-1000 -39.83 S-20.96 PASS Ant3 2457 30-1000 -39.82 S-21.23 PASS Ant3 2457 30-1000 -39.81 S-17.81 PASS Ant4 2457 30-1000 -39.81 S-17.81 PASS Ant4 2457 30-1000 -39.57 S-26.58 PASS Ant4 2462 30-1000 -39.57 S-26.58 PASS	-						
Ant4 2417 1000-26500 -40.56 5-22.17 PASS 11AX20MIMO Ant4 2417 30-1000 -39.36 s-21.21 PASS 11AX20MIMO Ant3 2437 30-1000 -39.86 s-21.21 PASS Ant3 2437 30-1000 -39.84 s-18.91 PASS Ant4 2437 30-1000 -39.84 s-18.91 PASS Ant4 2437 30-1000 -39.85 s-20.96 PASS Ant4 2437 30-1000 -39.82 s-21.23 PASS Ant3 2457 30-1000 -39.82 s-21.23 PASS Ant3 2457 30-1000 -39.81 s-17.81 PASS Ant4 2457 30-1000 -39.91 s-17.81 PASS Ant3 2462 PASS 1000-26500 -40.65 s-26.58 PASS Ant4 2462 30-1000 -39.81 s-17.81 PASS Ant4		A mtO	0447				
Ant4 2417 Reference 8.79 PASS 30-1000 -39.56 \$-21.21 PASS 1100-26500 -39.86 \$-21.21 PASS Ant3 2437 30-1000 -39.86 \$-21.21 PASS 1000-26500 -40.32 \$-18.91 PASS PASS Ant4 2437 30-1000 -39.83 \$-20.96 PASS Ant4 2437 30-1000 -39.83 \$-20.96 PASS Ant3 2457 30-1000 -39.82 \$-21.23 PASS Ant3 2457 30-1000 -39.82 \$-21.23 PASS Ant4 2457 30-1000 -39.82 \$-21.23 PASS Ant4 2457 30-1000 -39.82 \$-21.23 PASS Ant4 2457 30-1000 -39.82 \$-22.13 PASS Ant4 2462 30-1000 -38.91 \$-77.81 PASS Ant3 2462 30-1000		Anto	2417		-		
Ant4 2417 30-1000 -39.56 5-21.21 PASS 1100-26500 -39.96 5-21.21 PASS Ant3 2437 30-1000 -39.34 5-18.91 PASS 11AX20MIMO Ant4 2437 30-1000 -39.34 5-18.91 PASS Ant4 2437 30-1000 -39.35 5-20.96 PASS Ant4 2437 30-1000 -39.35 5-20.96 PASS Ant3 2457 30-1000 -39.82 5-21.23 PASS Ant3 2457 30-1000 -39.82 5-21.23 PASS Ant4 2457 30-1000 -39.91 5-17.81 PASS Ant4 2457 30-1000 -39.91 5-17.81 PASS Ant4 2462 PASS 1000-26500 -40.55 5-26.58 PASS Ant3 2462 PASS 1000-26500 -40.55 5-26.58 PASS Ant4 2462	-						
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$ \begin{array}{ c c c c c c c c } Ant4 & 2437 & 30~1000 & -40.06 & \leq -24.7 & PASS \\ \hline 1000~26500 & -40.36 & \leq -24.7 & PASS \\ \hline 1000~26500 & -40.33 & \leq -27.9 & PASS \\ \hline 1000~26500 & -40.47 & \leq -27.9 & PASS \\ \hline 1000~26500 & -40.47 & \leq -27.9 & PASS \\ \hline Ant4 & 2447 & \hline 30~1000 & -40.42 & \leq -27.32 & PASS \\ \hline 1000~26500 & -39.38 & \leq -27.32 & PASS \\ \hline \end{array} $							
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1000~26500 -39.38 ≤-27.32 PASS							
		Ant4	2447				
Ant3 2452 Reference 1.85 PASS						≤-27.32	
		Ant3	2452	Reference	1.85		PASS



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			30~1000	-40.01	≤-28.15	PASS
			1000~26500	-40.64	≤-28.15	PASS
			Reference	1.26		PASS
	Ant4	2452	30~1000	-40.06	≤-28.74	PASS
			1000~26500	-39.85	≤-28.74	PASS



11.6.2. Test Graphs

