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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-CDD	Ant2	Low	2412	12.80	-36.11	≤-17.2	PASS		
			2417	12.56	-35.34	≤-17.44	PASS		
		High	2457	14.15	-35.85	≤-15.85	PASS		
			2462	13.60	-36	≤-16.4	PASS		
	Ant2	Low	2412	13.01	-19.51	≤-16.99	PASS		
11G-CDD			2417	12.60	-33.06	≤-17.4	PASS		
		High	2457	12.65	-34.41	≤-17.35	PASS		
			2462	13.25	-34.65	≤-16.75	PASS		
	Ant1	Low	2412	12.16	-21.13	≤-17.84	PASS		
		Low	2412	12.04	-19.94	≤-17.96	PASS		
11N20MIMO	Ant2	LOW	2417	11.70	-32.51	≤-18.3	PASS		
		High	2457	12.12	-36.27	≤-17.88	PASS		
			2462	11.99	-36.65	≤-18.01	PASS		
	Ant2	Low	2422	9.32	-21.11	≤-20.68	PASS		
111110111110			2427	9.40	-28	≤-20.6	PASS		
11N40MIMO		l li ada	2447	9.88	-28.71	≤-20.12	PASS		
		High	2452	9.81	-29.65	≤-20.19	PASS		
11BE20MIMO	Ant2			Low	2412	12.90	-19.68	≤-17.1	PASS
		Low	2417	12.20	-29.88	≤-17.8	PASS		
		High	2457	13.06	-33.93	≤-16.94	PASS		
			2462	12.68	-32.66	≤-17.32	PASS		
11BE40MIMO	Ant2	Low	2422	7.76	-24.69	≤-22.24	PASS		
			2427	10.08	-20.18	≤-19.92	PASS		
		Lliab	2447	9.93	-22.12	≤-20.07	PASS		
		High	2452	10.29	-21.61	≤-19.71	PASS		



11.5.2. Test Graphs



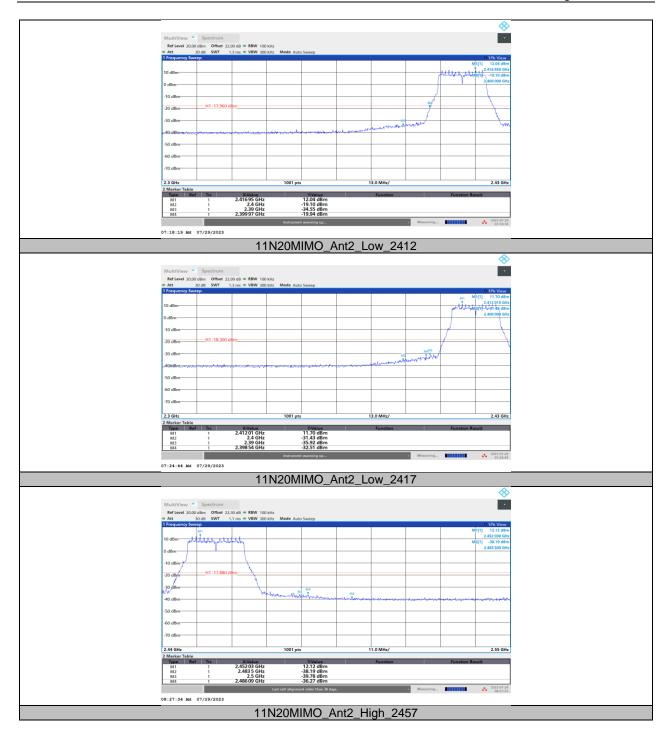




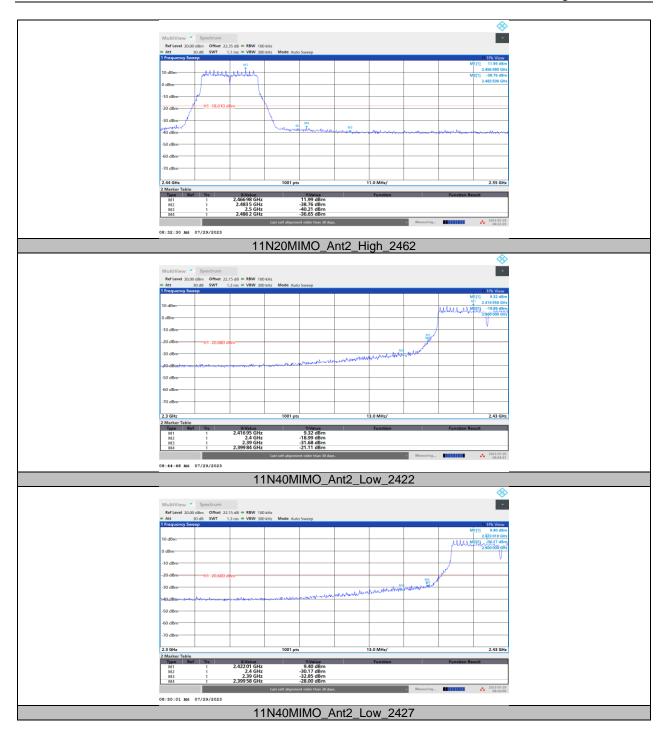




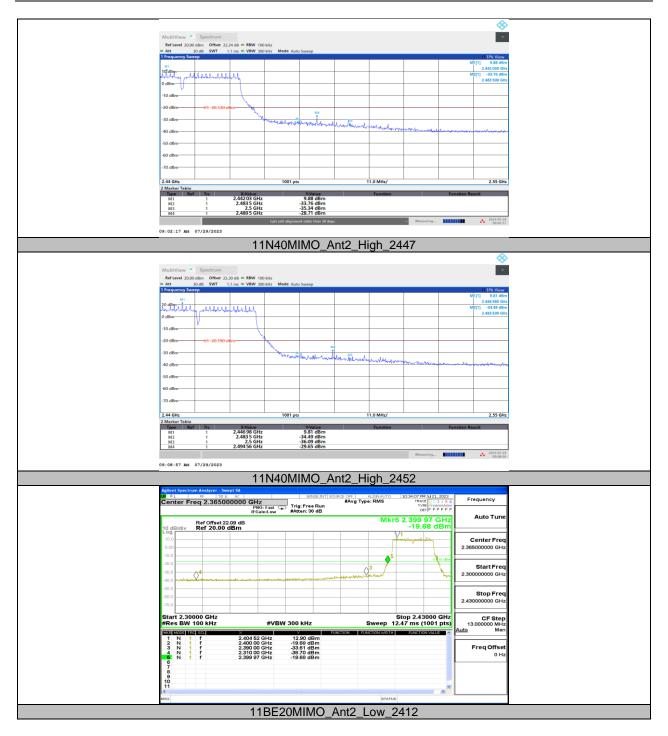




















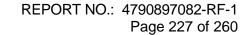




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11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION 11.6.1. Test Result

Test Mode				FreqRange	Result	Limit	
Reference 12.51	Test Mode	Antenna	Frequency[MHz]				Verdict
2412 30-1000 46.66 5-17.49 PASS 1000-26500 -35.78 5-17.49 PASS 7-17.49 PASS PASS							PASS
11B-CDD			2412			≤-17.49	
Reference 12.56 PASS 30-1000 -46.25 5-17.44 PASS 1000-26500 -35.15 5-17.44 PASS Reference 14.44 PASS 1000-26500 -35.51 5-17.44 PASS 1000-26500 -35.51 5-17.44 PASS 1000-26500 -35.51 5-15.56 PASS 1000-26500 -35.51 5-15.56 PASS 1000-26500 -35.51 5-15.56 PASS PASS 2457 30-1000 -46.06 5-15.88 PASS PASS 2462 30-1000 -46.06 5-15.88 PASS PAS			_	1000~26500		≤-17.49	PASS
11B-CDD Ant2 2437 30-1000 46.25 \$ \$\scrim-17.44 PASS							
118-CDD			2417			≤-17.44	
Reference							
Ant2			2437				
1000-26500 -35.53 s-15.56 PASS	11B-CDD	Ant2				≤-15.56	
Reference		,					
2457 30-1000 -46.06 s-15.88 PASS			2457				PASS
1000-26500						≤-15.88	
Reference					-34.98		
2462 30-1000			2462				
1000-26500						≤-16.35	
Reference 12.95							
2412 30-1000 -46,79 S-17.05 PASS							
1000-26500 -35,73 \$-17.05 PASS			2412			≤-17.05	
Reference							
11G-CDD							
1100-26500			2417			≤-17.4	
11G-CDD							
11G-CDD				Reference			PASS
1000-26500 -35.54 ≤-16.75 PASS Reference 13.03 PASS 30-1000 -47.27 ≤-16.97 PASS 1000-26500 -34.88 ≤-16.97 PASS 1000-26500 -34.88 ≤-16.97 PASS Reference 13.27 PASS 30-1000 -45.3 ≤-16.73 PASS 1000-26500 -34.74 ≤-16.73 PASS 1000-26500 -34.74 ≤-16.73 PASS Reference 11.88 PASS 2412 30-1000 -48.12 ≤-18.12 PASS 1000-26500 -41.57 ≤-18.12 PASS Reference 11.80 PASS Reference 11.80 PASS 1000-26500 -47.41 ≤-18.2 PASS 1000-26500 -47.41 ≤-18.2 PASS 1000-26500 -47.28 ≤-17.61 PASS 1000-26500 -47.28 ≤-17.61 PASS 1000-26500 -40.92 ≤-17.61 PASS 1000-26500 -41.24 ≤-17.84 PASS 1000-26500 -41.24 ≤-17.84 PASS 1000-26500 -41.24 ≤-17.84 PASS 2462 30-1000 -47.26 ≤-17.98 PASS 1000-26500 -41.25 ≤-17.98 PASS 2422 30-1000 -47.26 ≤-17.98 PASS 1000-26500 -41.31 ≤-20.68 PASS 1000-26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS 1000-26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS Reference 9.76 PASS 1000-26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 30-1000 -46.78 ≤-20.24 PASS	11G-CDD	Ant2	2437			≤-16.75	
Reference							
2457 30-1000 -47.27 ≤-16.97 PASS 1000-26500 -34.88 ≤-16.97 PASS Reference 13.27 PASS 30-1000 -45.3 ≤-16.73 PASS 1000-26500 -34.74 ≤-16.73 PASS 1000-26500 -34.74 ≤-16.73 PASS 1000-26500 -41.12 ≤-18.12 PASS 1000-26500 -41.57 ≤-18.12 PASS 1000-26500 -41.57 ≤-18.12 PASS 1000-26500 -41.52 ≤-18.2 PASS 1000-26500 -41.52 ≤-18.2 PASS 1000-26500 -41.52 ≤-18.2 PASS 1000-26500 -41.52 ≤-18.2 PASS 1000-26500 -41.52 ≤-17.61 PASS PA							
1000-26500		_	2457			≤-16.97	
Reference							
2462 30~1000 -45.3 ≤-16.73 PASS 1000~26500 -34.74 ≤-16.73 PASS Reference 11.88 PASS 2412 30~1000 -48.12 ≤-18.12 PASS 1000~26500 -41.57 ≤-18.12 PASS Reference 11.80 PASS Reference 11.80 PASS Reference 11.80 PASS 1000~26500 -47.41 ≤-18.2 PASS 1000~26500 -47.41 ≤-18.2 PASS Reference 12.39 PASS Reference 12.39 PASS Reference 12.39 PASS Reference 12.39 PASS Reference 12.16 PASS 1000~26500 -40.92 ≤-17.61 PASS Reference 12.16 PASS 1000~26500 -47.12 ≤-17.84 PASS Reference 12.02 PASS Reference 12.02 PASS 2457 30~1000 -47.26 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS 2422 30~1000 -47.51 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.37 PASS Reference 9.76 PASS Reference 9.76 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS			2462				
1000-26500						≤-16.73	
Reference							
2412 30~1000 -48.12 ≤-18.12 PASS 1000~26500 -41.57 ≤-18.12 PASS Reference 11.80 PASS 30~1000 -47.41 ≤-18.2 PASS 1000~26500 -41.52 ≤-18.2 PASS 1000~26500 -41.52 ≤-18.2 PASS 1000~26500 -41.52 ≤-18.2 PASS Reference 12.39 PASS Reference 12.39 PASS 1000~26500 -47.28 ≤-17.61 PASS 1000~26500 -40.92 ≤-17.61 PASS Reference 12.16 PASS 2457 30~1000 -47.12 ≤-17.84 PASS 1000~26500 -41.24 ≤-17.84 PASS Reference 12.02 PASS Reference 12.02 PASS 1000~26500 -41.25 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.61 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS 1000~26500			2412				
1000~26500						≤-18.12	
Reference		Ant2					
2417 30~1000 -47.41 ≤-18.2 PASS 1000~26500 -41.52 ≤-18.2 PASS Reference 12.39 PASS 1000~26500 -47.28 ≤-17.61 PASS 1000~26500 -40.92 ≤-17.61 PASS PASS 2457 30~1000 -47.12 ≤-17.84 PASS 1000~26500 -41.24 ≤-17.84 PASS PASS 2462 30~1000 -47.12 ≤-17.84 PASS PASS 1000~26500 -41.24 ≤-17.98 PASS PASS PASS 1000~26500 -41.25 ≤-17.98 PASS PASS PASS 1000~26500 -41.25 ≤-17.98 PASS			2417				
11N20MIMO Ant2						≤-18.2	
Reference 12.39							
11N20MIMO Ant2 2437 30~1000 -47.28 ≤-17.61 PASS 1000~26500 -40.92 ≤-17.61 PASS Reference 12.16 PASS 30~1000 -47.12 ≤-17.84 PASS 1000~26500 -41.24 ≤-17.84 PASS Reference 12.02 PASS Reference 12.02 PASS Reference 12.02 PASS 1000~26500 -41.25 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS Reference 9.32 PASS Reference 9.32 PASS Reference 9.32 PASS Reference 9.32 PASS Reference 9.37 PASS 1000~26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS Reference 9.76 PASS Reference 9.76 PASS			2437				
1000~26500	11N20MIMO					≤-17.61	
Reference 12.16 PASS							
2457 30~1000 -47.12 ≤-17.84 PASS 1000~26500 -41.24 ≤-17.84 PASS Reference 12.02 PASS 2462 30~1000 -47.26 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS Reference 9.32 PASS 2422 30~1000 -47.51 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS Reference 9.37 PASS Reference 9.37 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS			2457				
1000~26500		_				≤-17.84	
Reference 12.02 PASS							
2462 30~1000 -47.26 ≤-17.98 PASS 1000~26500 -41.25 ≤-17.98 PASS Reference 9.32 PASS 1000~26500 -41.31 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS 1000~26500 -41.31 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 1000~26500 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS			2462				
1000~26500 -41.25 ≤-17.98 PASS Reference 9.32 PASS 30~1000 -47.51 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS Reference 9.37 PASS 30~1000 -47.32 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 8eference 9.76 PASS 1000~26500 -41.1 ≤-20.24 PASS						≤-17.98	
Reference 9.32 PASS							
2422 30~1000 -47.51 ≤-20.68 PASS 1000~26500 -41.31 ≤-20.68 PASS Reference 9.37 PASS 1000~26500 -41.32 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS		Ant2	2422				
11N40MIMO Ant2 1000~26500						≤-20.68	
Ant2 Reference 9.37 PASS 30~1000 -47.32 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS				1000~26500			
Ant2 Ant2 2427 30~1000 -47.32 ≤-20.63 PASS 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS			2427				
11N40MIMO Ant2 1000~26500 -41.61 ≤-20.63 PASS Reference 9.76 PASS 2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS	445146541546					≤-20.63	
Reference 9.76 PASS 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS	11N40MIMO						
2437 30~1000 -46.78 ≤-20.24 PASS 1000~26500 -41.1 ≤-20.24 PASS			2437				
1000~26500 -41.1 ≤-20.24 PASS						≤-20.24	
			2447				





			30~1000	-47.15	≤-20.28	PASS
			1000~26500	-41.14	≤-20.28	PASS
			Reference	9.79		PASS
		2452	30~1000	-46.77	≤-20.21	PASS
		2702	1000~26500	-41.21	≤-20.21	PASS
			Reference	12.92		PASS
		2412	30~1000	-46.54	≤-17.08	PASS
			1000~26500	-35.4	≤-17.08	PASS
		2417	Reference	12.47		PASS
			30~1000	-46.85	≤-17.53	PASS
			1000~26500	-35.24	≤-17.53	PASS
			Reference	13.13		PASS
11BE20MIMO	Ant2	2437	30~1000	-1000	≤-16.87	PASS
	_		1000~26500	-35.08	≤-16.87	PASS
		2457	Reference	13.02		PASS
			30~1000	-1000	≤-16.98	PASS
			1000~26500	-35.01	≤-16.98	PASS
		2462	Reference	12.93		PASS
			30~1000	-47.31	≤-17.07	PASS
			1000~26500	-34.62	≤-17.07	PASS
			Reference	10.01		PASS
		2422	30~1000	-1000	≤-19.99	PASS
11BE40MIMO	Ant2	Ì	1000~26500	-35.82	≤-19.99	PASS
		2427	Reference	9.76		PASS
			30~1000	-46.46	≤-20.24	PASS
			1000~26500	-35.11	≤-20.24	PASS
		2437	Reference	10.76		PASS
			30~1000	-45.68	≤-19.24	PASS
			1000~26500	-35.82	≤-19.24	PASS
		2447	Reference	10.10		PASS
			30~1000	-45.45	≤-19.9	PASS
			1000~26500	-34.98	≤-19.9	PASS
		2452	Reference	10.34		PASS
			30~1000	-46.37	≤-19.66	PASS
			1000~26500	-34.83	≤-19.66	PASS



11.6.2. Test Graphs

