

















































REPORT NO.: 4790739578-1-RF-1 Page 345 of 472

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

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	12.12	[ubiii] 	PASS
	Ant1	2412	30~1000	-59.05	≤-17.88	PASS
	7 (1)(1)	2712	1000~26500	-43.75	<u>=-17.88</u> ≤-17.88	PASS
			Reference	12.24		PASS
	Ant2	2412	30~1000	-59.32	≤-17.76	PASS
			1000~26500	-43.82	≤-17.76	PASS
			Reference	12.31		PASS
	Ant3	2412	30~1000	-58.94	≤-17.69	PASS
			1000~26500	-43.93	≤-17.69	PASS
			Reference	12.33		PASS
	Ant4	2412	30~1000	-59.11	≤-17.67	PASS
			1000~26500	-44.25	≤-17.67	PASS
			Reference	12.06		PASS
	Ant1	2417	30~1000	-59	≤-17.94	PASS
			1000~26500	-43.8	≤-17.94	PASS
			Reference	12.18		PASS
	Ant2	2417	30~1000	-58.59	≤-17.82	PASS
			1000~26500	-42.76	≤-17.82	PASS
			Reference	12.28		PASS
	Ant3	2417	30~1000	-59.84	≤-17.72	PASS
			1000~26500	-43.84	≤-17.72	PASS
			Reference	12.25		PASS
	Ant4	2417	30~1000	-59.68	≤-17.75	PASS
			1000~26500	-44.14	≤-17.75	PASS
			Reference	12.65		PASS
	Ant1	2437	30~1000	-54.84	≤-17.35	PASS
			1000~26500	-48.11	≤-17.35	PASS
	Ant2	2437	Reference	12.66		PASS
11B-CDD			30~1000	-55.57	≤-17.34	PASS
	A 10	2437	1000~26500	-48.44	≤-17.34	PASS
			Reference	12.56		PASS
	Ant3		30~1000	-55.98	≤-17.44	PASS
	Ant4	2437	1000~26500 Reference	-46.87 12.48	≤-17.44	PASS PASS
			30~1000	-55.76	 ≤-17.52	PASS
			1000~26500	-47.58	≤-17.52 ≤-17.52	PASS
			Reference	9.77	<u> </u>	PASS
	Ant1	2457 2457	30~1000	-57.99	<u></u> ≤-20.23	PASS
			1000~26500	-43.72	≤-20.23	PASS
			Reference	10.43	<u>=-20.25</u>	PASS
			30~1000	-59.73	≤-19.57	PASS
			1000~26500	-43.6	<u>=-10.57</u> ≤-19.57	PASS
	Ant3	2457	Reference	10.07		PASS
			30~1000	-59.63	≤-19.93	PASS
			1000~26500	-43.77	≤-19.93	PASS
	Ant4	2457	Reference	10.21		PASS
			30~1000	-59.91	≤-19.79	PASS
			1000~26500	-43.46	<u>≤-19.79</u>	PASS
	Ant1	2462	Reference	10.00		PASS
			30~1000	-59.82	≤-20	PASS
			1000~26500	-43.54	≤-20	PASS
	Ant2		Reference	10.41		PASS
		2462	30~1000	-58.88	≤-19.59	PASS
			1000~26500	-42.72	≤-19.59	PASS
			Reference	10.07		PASS
	Ant3	2462	30~1000	-59.3	≤-19.93	PASS
			1000~26500	-43.56	≤-19.93	PASS



			Reference	10.37		PASS
	Ant4	2462	30~1000	-59.32	≤-19.63	PASS
			1000~26500	-44.09	≤-19.63	PASS
			Reference	7.89		PASS
	Ant1	2412	30~1000	-58.8	≤-22.11	PASS
			1000~26500	-43.52	≤-22.11	PASS
			Reference	8.13		PASS
	Ant2	2412	30~1000	-59.15	≤-21.87	PASS
	7 1112	2112	1000~26500	-43.35	<u>-21.87</u> ≤-21.87	PASS
			Reference	8.50		PASS
	A 40	0440				
	Ant3	2412	30~1000	-59.55	≤-21.5	PASS
			1000~26500	-43.3	≤-21.5	PASS
			Reference	8.24		PASS
	Ant4	2412	30~1000	-59.2	≤-21.76	PASS
			1000~26500	-44.07	≤-21.76	PASS
			Reference	8.11		PASS
	Ant1	2417	30~1000	-58.89	≤-21.89	PASS
			1000~26500	-43.9	≤-21.89	PASS
			Reference	7.93		PASS
	Ant2	2417	30~1000	-58.89	≤-22.07	PASS
	7 11112		1000~26500	-43.63	<u>= 22.07</u> ≤-22.07	PASS
			Reference	8.55		PASS
	Anto	2417				
	Ant3	2417	30~1000	-58.44	≤-21.45	PASS
			1000~26500	-43.45	≤-21.45	PASS
			Reference	8.48		PASS
	Ant4	2417	30~1000	-59.72	≤-21.52	PASS
			1000~26500	-44.29	≤-21.52	PASS
		2437	Reference	11.53		PASS
	Ant1		30~1000	-55.22	≤-18.47	PASS
			1000~26500	-50.19	≤-18.47	PASS
	Ant2	2437	Reference	12.16		PASS
			30~1000	-54.74	≤-17.84	PASS
			1000~26500	-49.52	≤-17.84	PASS
11G-CDD		2437	Reference	11.75		PASS
	Ant3		30~1000	-56.17	≤-18.25	PASS
		2431	1000~26500			
			+	-47.39	≤-18.25	PASS
	Ant4	0.407	Reference	11.86		PASS
		2437	30~1000	-55.52	≤-18.14	PASS
			1000~26500	-50.31	≤-18.14	PASS
		2457	Reference	7.55		PASS
	Ant1		30~1000	-59.24	≤-22.45	PASS
			1000~26500	-43.37	≤-22.45	PASS
		2457 2457	Reference	8.29		PASS
	Ant2 Ant3		30~1000	-58.98	≤-21.71	PASS
			1000~26500	-43.14	≤-21.71	PASS
			Reference	8.41		PASS
			30~1000	-59.39	≤-21.59	PASS
			1000~26500	-44.21	≤-21.59	PASS
			Reference	8.46		PASS
	A mt 4	0457	30~1000		<u></u> ≤-21.54	
	Ant4	2457		-58.53		PASS
			1000~26500	-44.49	≤-21.54	PASS
			Reference	6.83		PASS
		2462	30~1000	-58.7	≤-23.17	PASS
			1000~26500	-43.87	≤-23.17	PASS
			Reference	7.43		PASS
		2462	30~1000	-58.73	≤-22.57	PASS
			1000~26500	-42.59	≤-22.57	PASS
			Reference	7.44		PASS
	Ant3	2462	30~1000	-59.99	≤-22.56	PASS
	Alito	2402	1000~26500	-43.46		PASS
					≤-22.56	_
		0.400	Reference	7.63		PASS
	Ant4	2462	30~1000	-60.1	≤-22.37	PASS
			1000~26500	-44.06	≤-22.37	PASS



			Reference	8.17		PASS
	Ant1	2412	30~1000	-59.37	≤-21.83	PASS
			1000~26500	-43.82	≤-21.83	PASS
			Reference	8.05		PASS
	Ant2	2412	30~1000	-59.44	≤-21.95	PASS
	, <u>-</u>		1000~26500	-43.4	≤-21.95	PASS
			Reference	8.17		PASS
	Ant3	2412	30~1000	-59.59	≤-21.83	PASS
	AIII	2412				
			1000~26500	-44.37	≤-21.83	PASS
			Reference	8.07		PASS
	Ant4	2412	30~1000	-60.28	≤-21.93	PASS
			1000~26500	-44.42	≤-21.93	PASS
			Reference	8.09		PASS
	Ant1	2417	30~1000	-58.77	≤-21.91	PASS
			1000~26500	-44.04	≤-21.91	PASS
			Reference	7.86		PASS
	Ant2	2417	30~1000	-59.14	≤-22.14	PASS
	,		1000~26500	-43.44	≤-22.14	PASS
			Reference	8.34	=-ZZ.1 <del>-</del>	PASS
	A n+2	2417				PASS
	Ant3	2417	30~1000	-59.59	≤-21.66	_
			1000~26500	-44.01	≤-21.66	PASS
			Reference	8.41		PASS
	Ant4	2417	30~1000	-59.96	≤-21.59	PASS
			1000~26500	-44.24	≤-21.59	PASS
			Reference	9.68		PASS
	Ant1	2437	30~1000	-59.46	≤-20.32	PASS
			1000~26500	-44.13	≤-20.32	PASS
			Reference	10.32		PASS
	Ant2	2437	30~1000	-59.51	≤-19.68	PASS
	AIIL	2437	1000~26500	-43.53	<u>≤-19.68</u>	PASS
11AX20MIMO						_
	A 4O	2437	Reference	10.51		PASS
	Ant3		30~1000	-60.09	≤-19.49	PASS
			1000~26500	-43.9	≤-19.49	PASS
	Ant4	2437	Reference	10.26		PASS
			30~1000	-58.9	≤-19.74	PASS
			1000~26500	-43.67	≤-19.74	PASS
	Ant1	2457	Reference	6.69		PASS
			30~1000	-59.69	≤-23.31	PASS
			1000~26500	-43	≤-23.31	PASS
	Ant2	2457	Reference	7.60		PASS
			30~1000	-58.56	≤-22.4	PASS
			1000~26500	-43.79	≤-22.4	PASS
-	Ant3	2457				
			Reference	7.45		PASS
			30~1000	-58.6	≤-22.55	PASS
			1000~26500	-43.78	≤-22.55	PASS
			Reference	7.58		PASS
	Ant4	2457	30~1000	-59.95	≤-22.42	PASS
			1000~26500	-43.95	≤-22.42	PASS
			Reference	6.62		PASS
	Ant1	2462	30~1000	-59.05	≤-23.38	PASS
			1000~26500	-43.58	≤-23.38	PASS
ŀ	Ant2 24		Reference	7.46		PASS
		2462	30~1000	-58.75	≤-22.54	PASS
		2702	1000~26500	-43.54	<u>≤-22.54</u> ≤-22.54	PASS
-						_
	Ant3	0.400	Reference	7.57		PASS
		2462	30~1000	-59.44	≤-22.43	PASS
			1000~26500	-43.97	≤-22.43	PASS
			Reference	7.43		PASS
	Ant4	2462	30~1000	-59.6	≤-22.57	PASS
			1000~26500	-44.26	≤-22.57	PASS
			Reference	5.70		PASS
11AX40MIMO	Ant1	2422	30~1000	-59.1	≤-24.3	PASS
I IAA4UIVIIIVIU	AIILI 2422	1000~26500	-43.97	<u>≤-24.3</u>	PASS	



			Reference	6.19		PASS
	Ant2	2422	30~1000	-59.3	≤-23.81	PASS
	7		1000~26500	-43.56	≤-23.81	PASS
			Reference	6.54		PASS
	Ant3	2422	30~1000	-59.82	≤-23.46	PASS
	74110	2-722	1000~26500	-44.03	≤-23.46	PASS
			Reference	6.58	<u></u>	PASS
	A m+4	2422			<u></u> ≤-23.42	PASS
	Ant4	2422	30~1000	-59.73		
			1000~26500	-44.19	≤-23.42	PASS
			Reference	6.07		PASS
	Ant1	2427	30~1000	-59.16	≤-23.93	PASS
			1000~26500	-43.77	≤-23.93	PASS
			Reference	6.23		PASS
	Ant2	2427	30~1000	-59.58	≤-23.77	PASS
			1000~26500	-43.43	≤-23.77	PASS
			Reference	6.45		PASS
	Ant3	2427	30~1000	-59.78	≤-23.55	PASS
			1000~26500	-43.77	≤-23.55	PASS
			Reference	6.27		PASS
	Ant4	2427	30~1000	-60.05	≤-23.73	PASS
	/ 1114	2721	1000~26500	-43.53	≤-23.73 ≤-23.73	PASS
			Reference			_
	A = 14	2427		6.38		PASS
	Ant1	2437	30~1000	-58.72	≤-23.62	PASS
			1000~26500	-43.92	≤-23.62	PASS
			Reference	6.31		PASS
	Ant2	2437	30~1000	-59.21	≤-23.69	PASS
			1000~26500	-43.54	≤-23.69	PASS
			Reference	6.56		PASS
	Ant3	2437	30~1000	-60.01	≤-23.44	PASS
			1000~26500	-44.09	≤-23.44	PASS
			Reference	6.37		PASS
	Ant4	2437	30~1000	-59.86	≤-23.63	PASS
			1000~26500	-43.46	≤-23.63	PASS
			Reference	5.34		PASS
	Ant1	nt1 2447	30~1000	-58.96	≤-24.66	PASS
			1000~26500	-43.58	≤-24.66	PASS
			Reference	5.37		PASS
	Ant2	nt2 2447	30~1000	-59.45	≤-24.63	PASS
						PASS
			1000~26500	-43.56	≤-24.63	
	A 4O	0447	Reference	5.66		PASS
	Ant3	2447	30~1000	-59.75	≤-24.34	PASS
			1000~26500	-44.04	≤-24.34	PASS
			Reference	5.65		PASS
	Ant4	Ant4 2447	30~1000	-59.63	≤-24.35	PASS
			1000~26500	-44.01	≤-24.35	PASS
		Ant2 2452	Reference	5.39		PASS
	Ant2		30~1000	-59.15	≤-24.61	PASS
			1000~26500	-43.25	≤-24.61	PASS
			Reference	5.59		PASS
	Ant3	2452	30~1000	-59.47	≤-24.41	PASS
	7 1110		1000~26500	-44.45	≤-24.41	PASS
			Reference	5.72		PASS
	Ant4	2452	30~1000	-60.09	≤-24.28	PASS
	Ant <del>i</del>	2702	1000~26500	-43.3	≤-24.28	PASS
	Ant1	2412	Reference	7.90		PASS
						_
			30~1000	-59.83	≤-22.1	PASS
			1000~26500	-43.19	≤-22.1	PASS
			Reference	7.85		PASS
11BE20MIMO	Ant2	2412	30~1000	-59.15	≤-22.15	PASS
			1000~26500	-43.08	≤-22.15	PASS
1			Reference	8.35		PASS
	Ant3	2412	30~1000	-59.84	≤-21.65	PASS
			1000~26500	-43.9	≤-21.65	PASS



			Reference	8.36		PASS
	Ant4	2412	30~1000	-59.78	≤-21.64	PASS
	7		1000~26500	-44.56	≤-21.64	PASS
			Reference	7.67		PASS
	Ant1	2417	30~1000	-59.32	≤-22.33	PASS
	7 4161	210	1000~26500	-42.88	≤-22.33	PASS
			Reference	7.87		PASS
	Ant2	2417	30~1000	-59.31	≤-22.13	PASS
	AIILZ	2417				
			1000~26500	-43.74	≤-22.13	PASS
		0447	Reference	8.61		PASS
	Ant3	2417	30~1000	-59.1	≤-21.39	PASS
			1000~26500	-44.06	≤-21.39	PASS
			Reference	7.99		PASS
	Ant4	2417	30~1000	-59.6	≤-22.01	PASS
			1000~26500	-44.15	≤-22.01	PASS
			Reference	9.76		PASS
	Ant1	2437	30~1000	-59.78	≤-20.24	PASS
			1000~26500	-43.31	≤-20.24	PASS
			Reference	10.32		PASS
	Ant2	2437	30~1000	-58.94	≤-19.68	PASS
	7 1112	2.07	1000~26500	-42.95	≤-19.68	PASS
			Reference	10.52	<u></u>	PASS
	Ant3	2437	30~1000	-59.39	 ≤-19.48	PASS
	Anto	2437		ł		_
			1000~26500	-44.42	≤-19.48	PASS
		0.40-	Reference	10.32		PASS
	Ant4	2437	30~1000	-59.39	≤-19.68	PASS
			1000~26500	-44.22	≤-19.68	PASS
			Reference	6.57		PASS
	Ant1	2457	30~1000	-59.73	≤-23.43	PASS
			1000~26500	-43.24	≤-23.43	PASS
			Reference	7.48		PASS
	Ant2	2457	30~1000	-57.93	≤-22.52	PASS
			1000~26500	-44.04	≤-22.52	PASS
			Reference	7.44		PASS
	Ant3	t3 2457	30~1000	-58.87	≤-22.56	PASS
			1000~26500	-43.72	≤-22.56	PASS
			Reference	7.30		PASS
	Ant4	2457	30~1000	-60.01	≤-22.7	PASS
			1000~26500	-43.83	≤-22.7	PASS
			Reference	6.78		PASS
	Ant1	2462	30~1000	-59.02	≤-23.22	PASS
	7 4161	2102	1000~26500	-44.35	≤-23.22	PASS
		<del> </del>	Reference	7.37	<u> </u>	PASS
	Anto	2462	30~1000			_
	Ant2	2462	1000~26500	-59.82 -42.96	≤-22.63 ≤-22.63	PASS PASS
	A n.+0	0460	Reference	7.05	 < 22.05	PASS
	Ant3	2462	30~1000	-59.54	≤-22.95	PASS
		1	1000~26500	-43.59	≤-22.95	PASS
		0.100	Reference	7.58		PASS
	Ant4	2462	30~1000	-59.57	≤-22.42	PASS
			1000~26500	-44.01	≤-22.42	PASS
	Ant1 Ant2	2422	Reference	6.00		PASS
			30~1000	-58.4	≤-24	PASS
			1000~26500	-42.84	≤-24	PASS
			Reference	6.29		PASS
			30~1000	-59.55	≤-23.71	PASS
11004084840			1000~26500	-42.52	≤-23.71	PASS
11BE40MIMO			Reference	6.67		PASS
	Ant3	2422	30~1000	-59.23	≤-23.33	PASS
	AIII.0 2422	. – · <b>––</b>				_
	Anto		1000~26500	-44.04	≤-23.33	PASS
	Anto		1000~26500 Reference	-44.04 6.11	≤-23.33 	PASS PASS
	Ant4	2422	1000~26500 Reference 30~1000	-44.04 6.11 -59.72		PASS PASS PASS



		Reference	6.40		PASS
Ant1	2427	30~1000	-59.55	≤-23.6	PASS
		1000~26500	-42.94	≤-23.6	PASS
		Reference	6.02		PASS
Ant2	2427	30~1000	-58.93	≤-23.98	PASS
		1000~26500	-43.57	≤-23.98	PASS
		Reference	6.71		PASS
Ant3	2427	30~1000	-59.52	≤-23.29	PASS
		1000~26500	-44.11	≤-23.29	PASS
		Reference	6.31		PASS
Ant4	2427	30~1000	-58.84	≤-23.69	PASS
		1000~26500	-44.26	≤-23.69	PASS
		Reference	7.58		PASS
Ant1	2437	30~1000	-59.46	≤-22.42	PASS
-		1000~26500	-43.44	≤-22.42	PASS
		Reference	7.01		PASS
Ant2	2437	30~1000	-59.09	≤-22.99	PASS
_		1000~26500	-42.49	≤-22.99	PASS
		Reference	7.41		PASS
Ant3	2437	30~1000	-59.57	≤-22.59	PASS
	• •	1000~26500	-44.53	<u>≤-22.59</u>	PASS
	2437	Reference	7.48		PASS
Ant4		30~1000	-59.68	≤-22.52	PASS
		1000~26500	-43.46	<u>- 22.52</u> ≤-22.52	PASS
		Reference	5.40		PASS
Ant1	2447	30~1000	-58.42	≤-24.6	PASS
,	2771	1000~26500	-44.13	<u>≤-24.6</u>	PASS
		Reference	5.17		PASS
Ant2	2447	30~1000	-58.57	≤-24.83	PASS
,	- · · ·	1000~26500	-42.92	≤-24.83	PASS
		Reference	5.48		PASS
Ant3	2447	30~1000	-60.13	≤-24.52	PASS
		1000~26500	-43.15	≤-24.52	PASS
		Reference	5.64		PASS
Ant4	2447	30~1000	-59.79	≤-24.36	PASS
-		1000~26500	-44.02	≤-24.36	PASS
	2452	Reference	4.47		PASS
Ant1		30~1000	-59.84	≤-25.53	PASS
		1000~26500	-43.5	≤-25.53	PASS
		Reference	5.44		PASS
Ant2	2452	30~1000	-59.28	≤-24.56	PASS
	-	1000~26500	-43.29	≤-24.56	PASS
		Reference	5.50		PASS
Ant3	2452	30~1000	-58.71	≤-24.5	PASS
		1000~26500	-43.89	≤-24.5	PASS
		Reference	5.69		PASS
Ant4	2452	30~1000	-59.63	≤-24.31	PASS
		1000~26500	-43.69	≤-24.31	PASS



## 11.6.2. Test Graphs





















































































































































































































































































