



















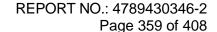




12.3. APPENDIX C: 6DB EMISSION BANDWIDTH

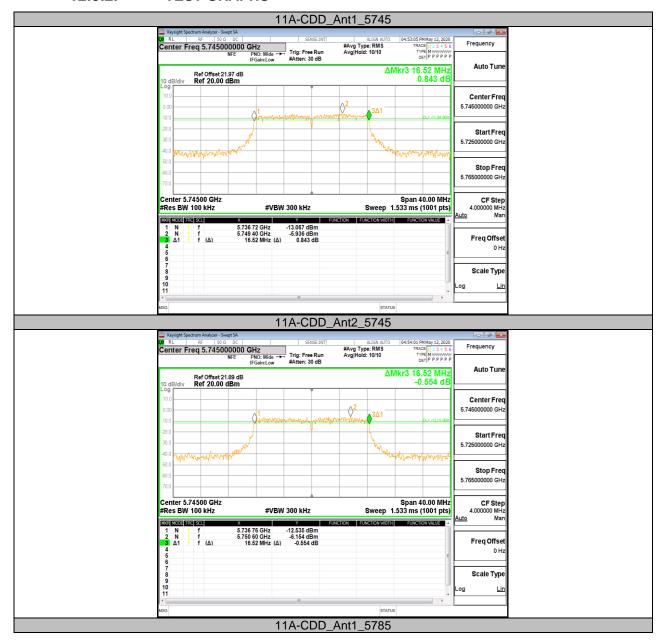
12.3.1. TEST RESULT

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
	Ant1	5745	16.520	5736.720	5753.240	0.5	PASS
	Ant2	5745	16.520	5736.760	5753.280	0.5	PASS
11A-CDD	Ant1	5785	16.440	5776.800	5793.240	0.5	PASS
TTA-CDD	Ant2	5785	16.440	5776.760	5793.200	0.5	PASS
	Ant1	5825	16.480	5816.720	5833.200	0.5	PASS
	Ant2	5825	16.560	5816.720	5833.280	0.5	PASS
	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
11N20MIMO	Ant1	5785	17.680	5776.160	5793.840	0.5	PASS
1 TINZUIVIIIVIO	Ant2	5785	17.600	5776.160	5793.760	0.5	PASS
	Ant1	5825	17.680	5816.120	5833.800	0.5	PASS
	Ant2	5825	17.720	5816.120	5833.840	0.5	PASS
	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
11N40MIMO	Ant2	5755	36.640	5736.680	5773.320	0.5	PASS
	Ant1	5795	36.640	5776.680	5813.320	0.5	PASS
	Ant2	5795	36.480	5776.760	5813.240	0.5	PASS
11AC80MIMO	Ant1	5775	75.840	5737.080	5812.920	0.5	PASS
	Ant2	5775	76.480	5736.760	5813.240	0.5	PASS

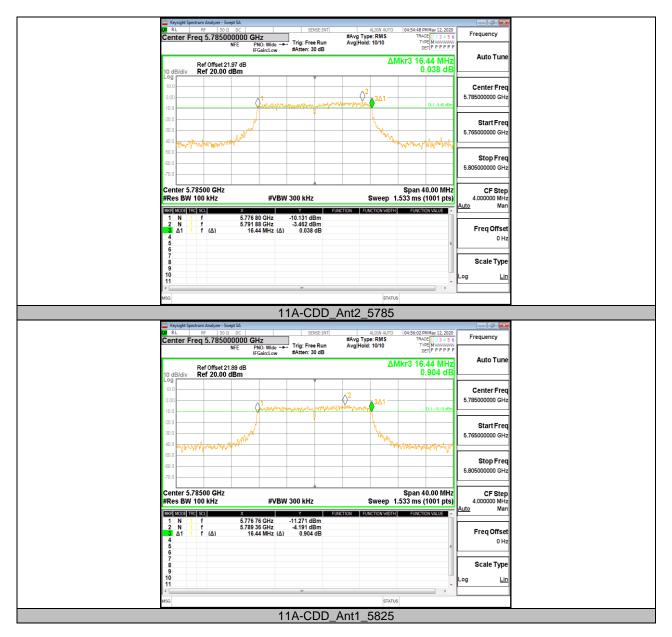




12.3.2. TEST GRAPHS



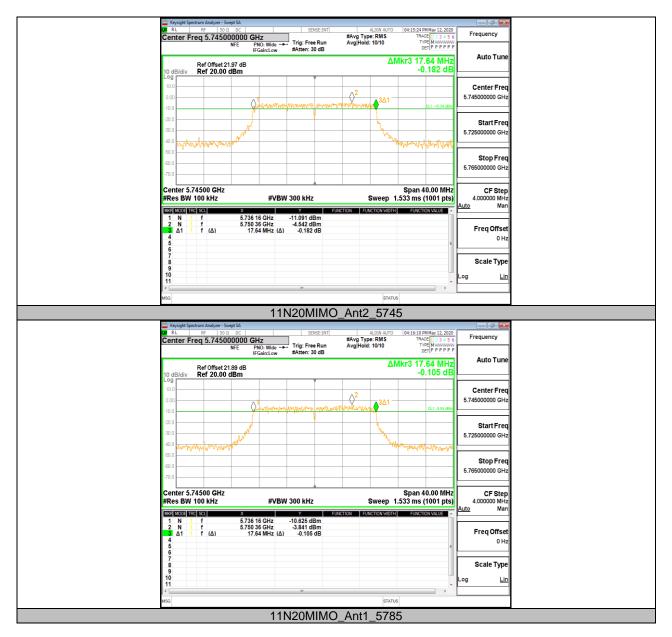




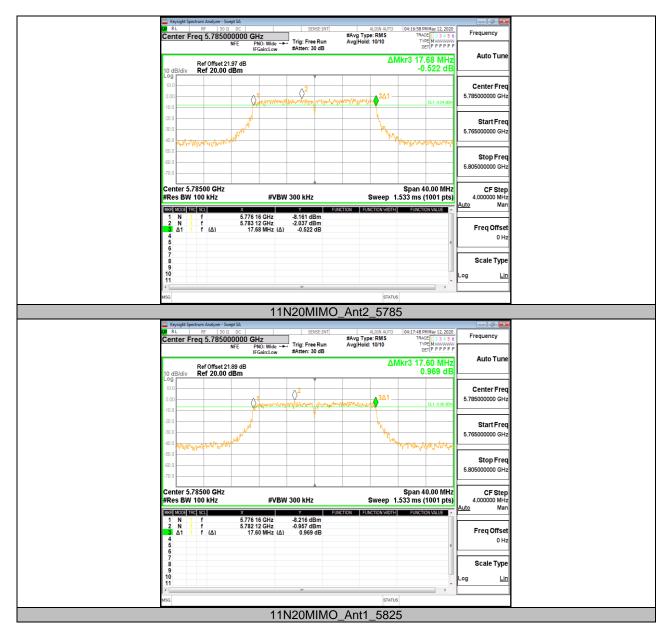




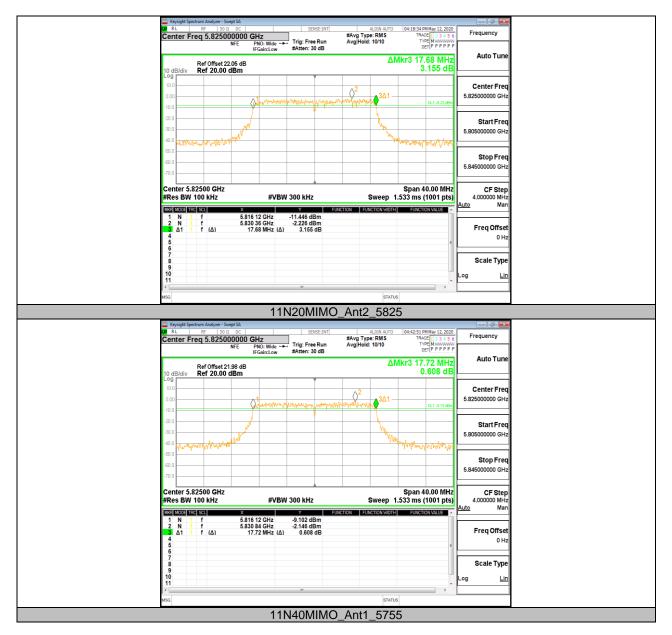




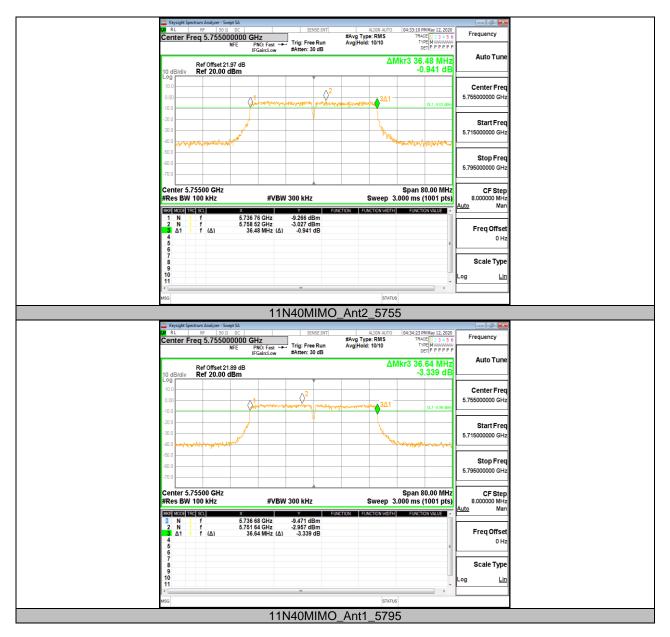






















12.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

12.4.1. TEST RESULT

Mode	Frequency (MHz)	ANT.	Directional gain	PSD		Total		FCC Limit	EIRP	ISED Limit
	(1011 12)		(dBi)	(dBm)	(mW)	(mW)	(dBm)	(dBm)	(dBm)	(dBm)
	E190/26\	1	8.17	-1.96	0.64	1.34	1.29	14.83	9.46	10.00
	5180(36)	2		-1.50	0.71					
	5200(40)	1	8.17	-1.47	0.71	1.34	1.27	14.83	9.44	10.00
	5200(40)	2		-2.03	0.63					10.00
	5240(48)	1	8.17	-1.67	0.68	1.39	1.44	14 02	9.61	10.00
	3240(46)	2	0.17	-1.47	0.71	1.39		14.83	9.61	10.00
	5260(52)	1	0.47	3.17	2.07	4.00	6.05	8.83	/	8.83
	5260(52)	2	8.17	2.91	1.95	4.03				
	5280(56)	1	8.17	3.40	2.19	4.18	6.21	8.83	/	8.83
		2		3.00	2.00					0.03
	5320(64)	1	8.17	3.04	2.01	3.91	5.93	8.83	/	8.83
802.11a		2		2.79	1.90					
002.11a	5500(100)	1	8.17	2.22	1.67	3.15	4.98	8.83	/	8.83
	3300(100)	2		1.71	1.48			0.03		
	5580(116)	1	8.17	1.82	1.52	2.81	4.48	8.83	/	8.83
	5560(116)	2		1.09	1.29					
	5700(140)	1	8.17	1.72	1.49	4.01	6.03	8.83	/	8.83
	3700(140)	2	0.17	4.02	2.52					
	5745(149)	1	8.17	-2.94	0.51	0.94	-0.27	27.83	/	27.83
	3743(149)	2		-3.64	0.43					21.00
	5785(157)	1	8.17	-1.60	0.69	1.31	1.16	27.83	/	27.83
		2		-2.12	0.61					27.00
	5825(165)	1	 8.17 ⊦	-2.56	0.55	1.54	1.88	27.83	/	27.83
		2		-0.05	0.99					



S180(36)					1	1			1	ı	1
S200(40)		5180(36)		8.17			1.36	1.34	14.83	9.51	10.00
802.11n 20 5200(40) 2				+							
802.11n 20 802.11		5200(40)		8.17			1.34	1.26	14.83	9.43	10.00
S240(48) 2											
802.11n 20 802.10		5240(48)		8.17			1.44	1.60	14.83	/	8.83
5260(52) 2 8.17 3.09 2.04 4.24 6.27 8.83 / 8.83 5280(56) 1 8.17 2.84 1.92 4.02 6.04 8.83 / 8.83 5320(64) 1 8.17 4.77 3.00 4.76 7.60 8.83 / 8.83 5500(100) 1 8.17 4.48 2.81 4.7 3.08 4.7 8.83 / 8.83 5580(116) 1 8.17 1.50 1.41 2.52 4.02 8.83 / 8.83 5785(140) 1 8.17 3.18 2.08 4.14 6.17 8.83 / 8.83 5785(157) 1 8.17 2.22 0.60 1.23 0.89 27.83 / 8.83 5825(165) 1 8.17 2.02 0.63 1.23 0.89 27.83 / 8.83 5190(38) 1 8.17 3.84 0.41											
802.11n 20 802.11		5260(52)		8.17			4.24	6.27	8.83		
802.11n 20 5320(64) 1											
802.11n 20 5320(64) 1		5280(56)		8.17			4.02	6.04	8.83		
S320(64) 2 8.17 4.41 2.76 5.76 7.60 8.83 / 8.83											
802.11n 20 5500(100) 1 8.17 4.48 2.81 5.42 7.34 8.83 / 8.83 5580(116) 1 8.17 1.50 1.41 2.52 4.02 8.83 / 8.83 5700(140) 1 8.17 3.18 2.08 4.14 6.17 8.83 / 8.83 5745(149) 1 8.17 2.22 0.60 1.23 0.89 27.83 / 8.83 5785(157) 1 8.17 0.37 1.09 2.08 3.17 27.83 / 8.83 5825(165) 1 8.17 0.36 1.09 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 -3.84 0.41 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 -3.84 0.41 0.75 -1.22 14.83 7.11 10.00 802.11n 40 2 8.17 0.60 <td></td> <td>5320(64)</td> <td></td> <td>8.17</td> <td></td> <td></td> <td>5.76</td> <td>7.60</td> <td>8.83</td> <td>/</td> <td>8.83</td>		5320(64)		8.17			5.76	7.60	8.83	/	8.83
S500(100) 2	802.11n 20										
5580(116) 1 2 8.17 1.50 1.41 0.46 1.11 0.46 1		5500(100)		8.17			5.42	7.34	8.83	/	8.83
S580(116) 2											
S700(140)		5580(116)		8.17			2.52	4.02	8.83	/	8.83
5700(140) 2 8.17 3.13 2.06 4.14 6.17 8.83 / 8.83 5745(149) 1 8.17 -2.22 0.60 -2.02 0.63 1.23 0.89 27.83 / 8.83 5785(157) 1 8.17 -0.06 0.99 2.08 3.17 27.83 / 8.83 5825(165) 1 8.17 1.03 1.27 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 -3.84 0.41 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 -3.93 0.40 0.75 -1.22 14.83 6.95 10.00 5270(54) 1 8.17 0.84 1.21 2.36 3.73 8.83 / 8.83 5310(62) 1 8.17 0.84 1.21 2.36 3.73 8.83 / 8.83 802.11n 40 5510(102) 1 8.17 1.13 1.30 2.36 3.73 8.83 / 8.83 802.11n 40 5510(102) 1 8.17 1.09 1.29 2.53 4.03 8.83 / 8.83 802.11n 40 5510(102) 1 8.17 1.09								6.17			8.83
5745(149) 1 2 8.17 -2.22 0.60 -2.02 0.63 1.23 0.89 27.83 / 8.83 5785(157) 1 8.17 0.37 1.09 -0.06 0.99 -0.06 0.99 2.08 3.17 27.83 / 8.83 5825(165) 1 8.17 2 0.38 1.09 -0.06 0.99 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 2 0.38 1.09 -0.34 0.40 -0.75 0.34 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 2 0.38 0.40 -0.20 0.78 0.49 1.12 0.38 0.78 -1.06 14.83 7.11 10.00 5270(54) 1 8.17 2 0.38 0.49 0.49 1.12 0.38 0.78 -1.06 14.83 7.11 10.00 5310(62) 1 8.17 1.13 1.30 0.49 1.12 0.4		5700(140)		8.17			4.14		8.83	/	
5745(149) 2 8.17 -2.02 0.63 1.23 0.89 27.83 / 8.83 5785(157) 1 8.17 -0.06 0.99 2.08 3.17 27.83 / 8.83 5825(165) 1 8.17 -0.06 0.99 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 -3.84 0.41 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 -3.93 0.40 0.75 -1.22 14.83 6.95 10.00 5270(54) 1 8.17 -3.93 0.40 0.78 -1.06 14.83 7.11 10.00 5270(54) 1 8.17 0.84 1.21 0.38 3.73 8.83 / 8.83 5270(54) 1 8.17 1.13 1.30 0.78 -1.06 14.83 7.11 10.00 802.11n 40 5510(102) 1 8.17 1.09 1.29 2.42 3.83 8.83 / 8.83 802.11n 40 5510(102) 1 8.17 1.40 0.72 1.41 1.50 8.83 / 8.83 802.11n 40 <td></td> <td></td> <td rowspan="2">8.17</td> <td></td> <td></td> <td></td> <td rowspan="2">0.89</td> <td rowspan="2">27.83</td> <td rowspan="2">/</td> <td rowspan="2">8.83</td>				8.17				0.89	27.83	/	8.83
5785(157) 1 2 8.17 0.37 1.09 -0.06 0.99 2.08 3.17 27.83 / 8.83 5825(165) 1 8.17 2.038 1.09 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 3.84 0.41 -4.67 0.34 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 3.93 0.40 -4.21 0.38 0.75 -1.06 14.83 7.11 10.00 5270(54) 1 8.17 2.05 0.64 1.15 0.64 1.21 0.38 0.84 1.21 0.38 0.40 0.15 0.34 0.40 0.78 0.49 0.15 0		5745(149)					1.23				
S785(157) 2 8.17 -0.06 0.99 2.08 3.17 27.83 / 8.83		5785(157)		8.17			2.08	3.17	27.83	/	
802.11n 40 5825(165) 1											8.83
5825(165) 2 8.17 0.38 1.09 2.36 3.73 27.83 / 8.83 5190(38) 1 8.17 -3.84 0.41 0.75 -1.22 14.83 6.95 10.00 5230(46) 1 8.17 -3.93 0.40 0.78 -1.06 14.83 7.11 10.00 5270(54) 1 8.17 0.84 1.21 2.36 3.73 8.83 / 8.83 5310(62) 1 8.17 1.13 1.30 2.42 3.83 8.83 / 8.83 5510(102) 1 8.17 1.09 1.29 2.53 4.03 8.83 / 8.83 5550(110) 1 8.17 -1.40 0.72 1.41 1.50 8.83 / 8.83 5670(134) 1 8.17 2.05 1.60 2.94 4.69 8.83 / 8.83 5755(151) 1 8.17 -0.10 0.98 1.79 2.52 27.83 / 8.83 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 / 8.83		5825(165)		8.17				3.73	27.83	/	8.83
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							2.36				
802.11n 40		5190(38)		8.17			0.75	-1.22	14.83	6.95	10.00
802.11n 40 1		5230(46)		8.17			0.78	-1.06	14.83	7.11	10.00
802.11n 40		5270(54)					2.36	3.73	8.83	/	8.83
802.11n 40				8.17							
802.11n 40		5310(62)			1.13	1.30					
802.11n 40 5510(102) 2 8.17 0.94 1.24 2.53 4.03 8.83 / 8.				8.17			2.42	3.83	8.83	/	8.83
802.11n 40 5510(102) 2 8.17 0.94 1.24 2.53 4.03 8.83 / 8.	802.11n 40	FF40/455		0.45	1.09		0 ==	4.03	0.00	,	8.83
5550(110) 2 8.17 -1.62 0.69 1.41 1.50 8.83 / 8.83 5670(134) 1 8.17 2.05 1.60 2.94 4.69 8.83 / 8.83 5755(151) 1 8.17 -0.10 0.98 1.79 2.52 27.83 / 8.83 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 / 8.83		5510(102)		8.17	0.94	1.24	2.53		8.83	/	
2 -1.62 0.69 5670(134) 1 8.17 2 1.27 1.34 1.27 1.34 2 -0.10 0.98 -0.92 0.81 1.79 2.52 27.83 / 8.83 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 7 8.83		===0(:::5)	1	8.17	-1.40	0.72	1.41	1.50	0.55	,	0.55
5670(134) 1		5550(110)	2		-1.62	0.69			8.83	/	8.83
5670(134) 2 8.17 1.27 1.34 2.94 4.69 8.83 / 8.83 5755(151) 1 2 -0.10 0.98 1.79 2.52 27.83 / 8.83 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 / 8.83		5670(134)		8.17			2.94	4.69	6.5-	,	8.83
5755(151) 2 8.17 -0.92 0.81 1.79 2.52 27.83 / 8.83 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 / 8.83									8.83	/	
2 -0.92 0.81 5795(159) 1 8.17 -1.42 0.72 1.46 1.65 27.83 / 8.83		5755(151)	1	8.17	-0.10	0.98	1.79	2.52	27.83	/	8.83
5795(159) 8.17 1.46 1.65 27.83 / 8.83			2		-0.92	0.81					
2 8.17 -1.30 0.74 1.46 1.65 27.83 / 8.83		5795(159)	1	0.47	-1.42	0.72	1.46	1.65	27.83	/	8.83
			2	8.17	-1.30	0.74					



802.11ac 80	5210(42)	1	8.17	-5.58	0.28	0.49	-3.08	14.83	5.09	10.00
		2		-6.67	0.22					
	5290(58)	1	8.17	1.46	1.40	2.72	4.35	8.83	/	8.83
		2		1.22	1.32					0.03
	5530(106)	1	8.17	1.75	1.50	2.82	4.51	8.83	/	8.83
		2		1.23	1.33					
	5610(122)	1	8.17	1.81	1.52	2.81	4.48	8.83	/	0.00
		2		1.10	1.29					8.83
	5775(155)	1	8.17	-1.39	0.73	1.37	1.38	27.83	/	0 02
		2		-1.88	0.65	1.37				8.83

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz. 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

12.4.2. TEST GRAPHS





