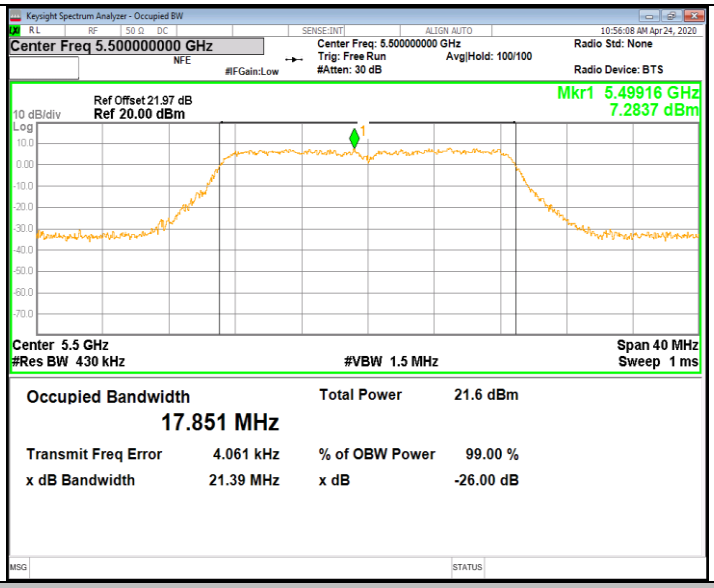
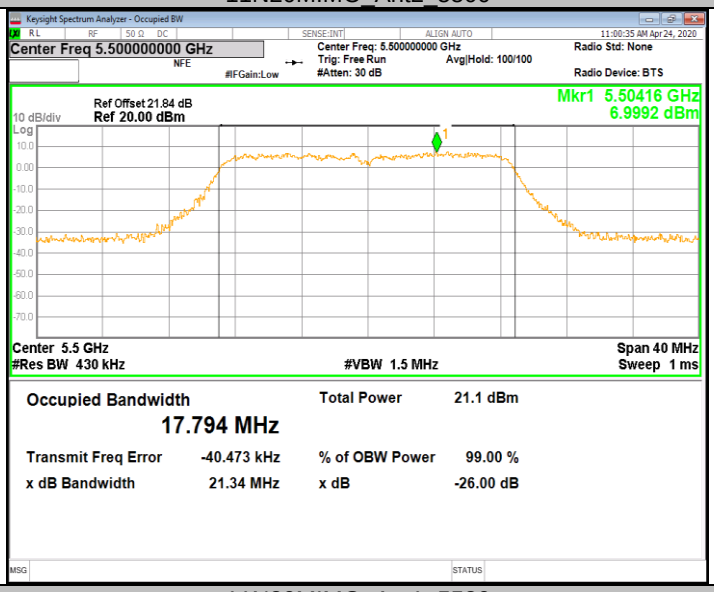
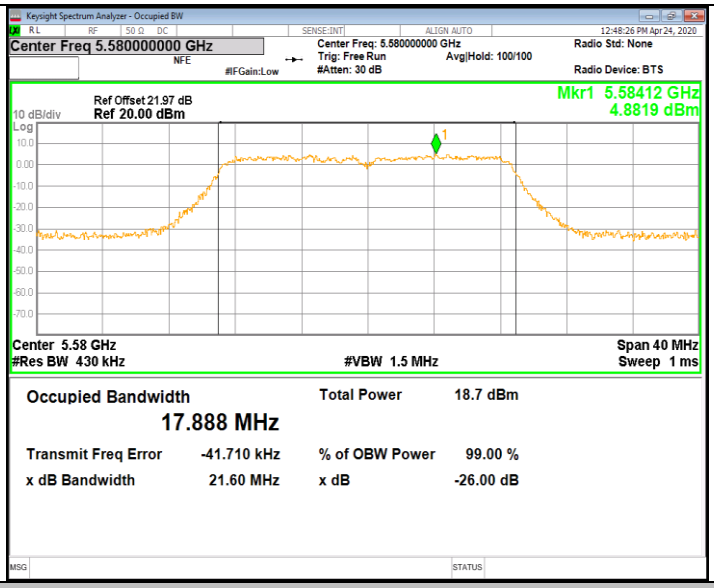


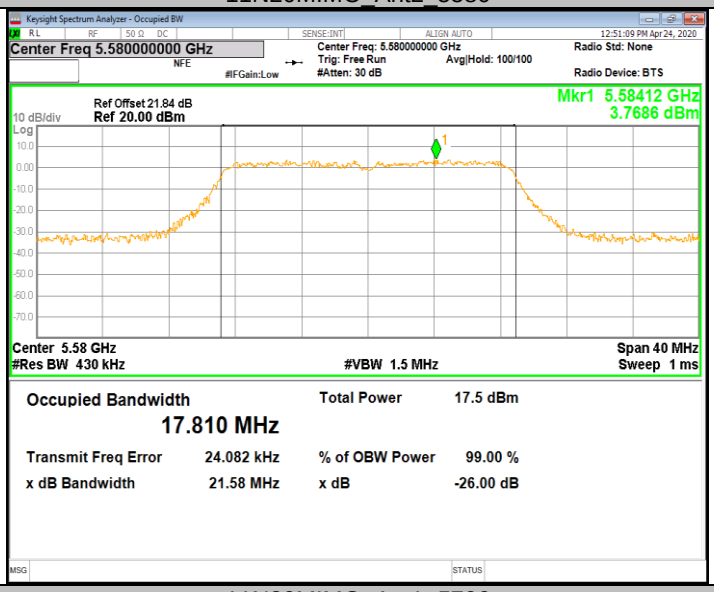
11N20MIMO_Ant2_5500



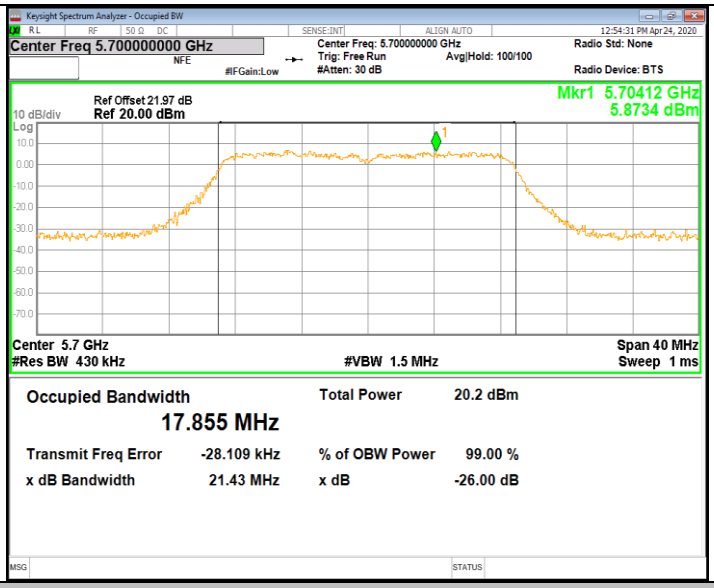
11N20MIMO_Ant1_5580



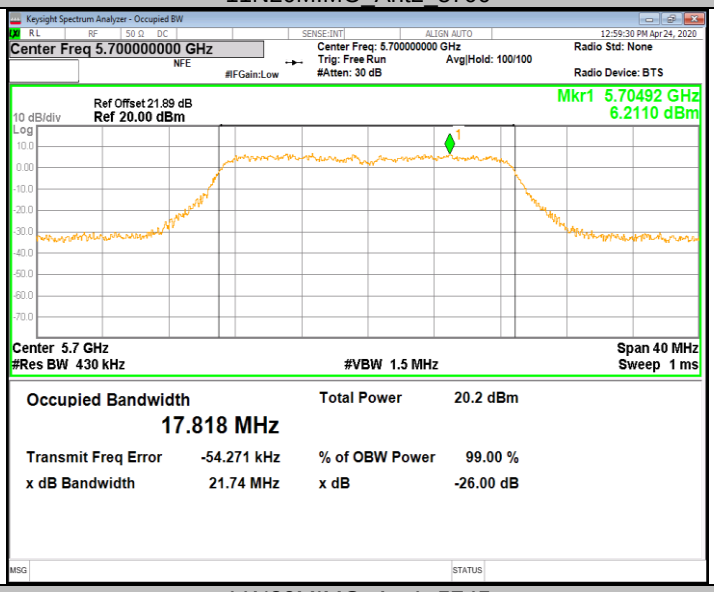
11N20MIMO_Ant2_5580



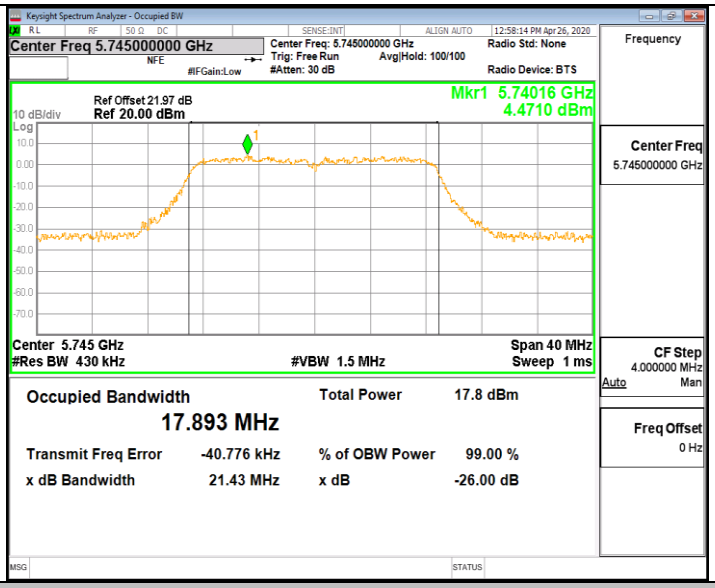
11N20MIMO_Ant1_5700



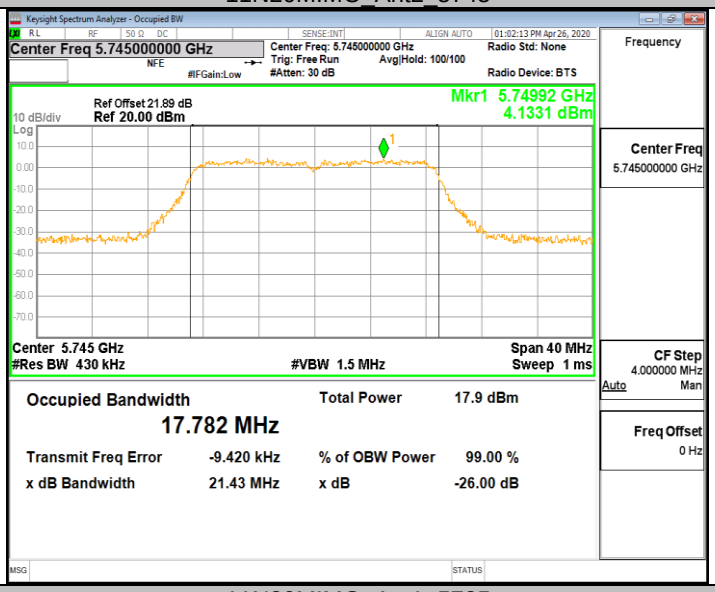
11N20MIMO_Ant2_5700



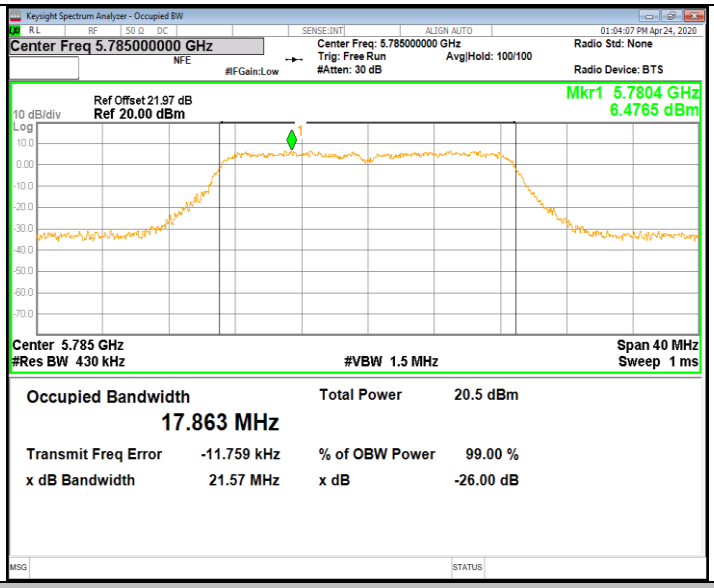
11N20MIMO_Ant1_5745



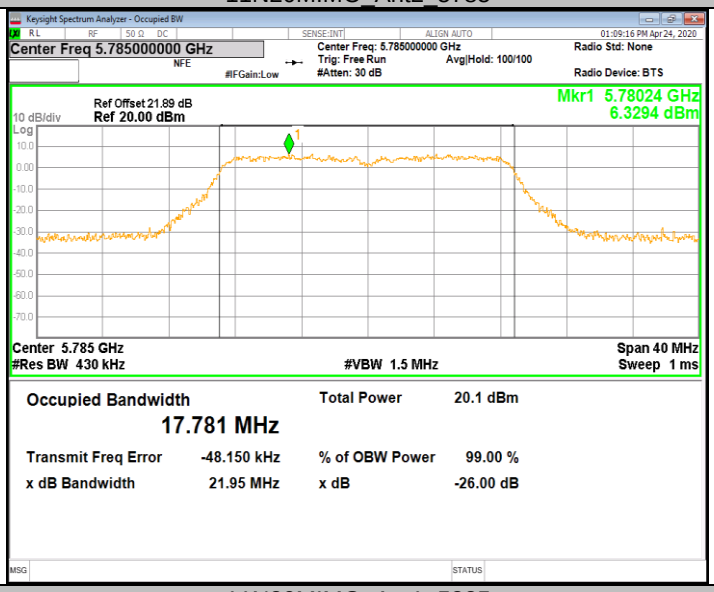
11N20MIMO_Ant2_5745



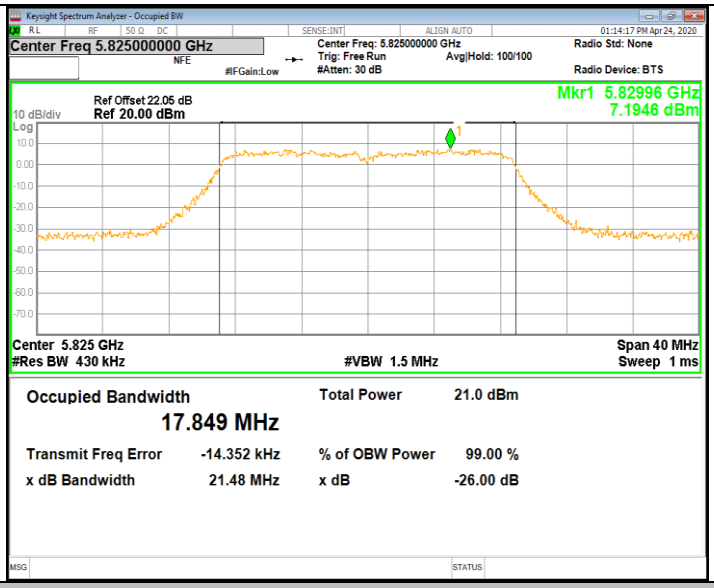
11N20MIMO_Ant1_5785



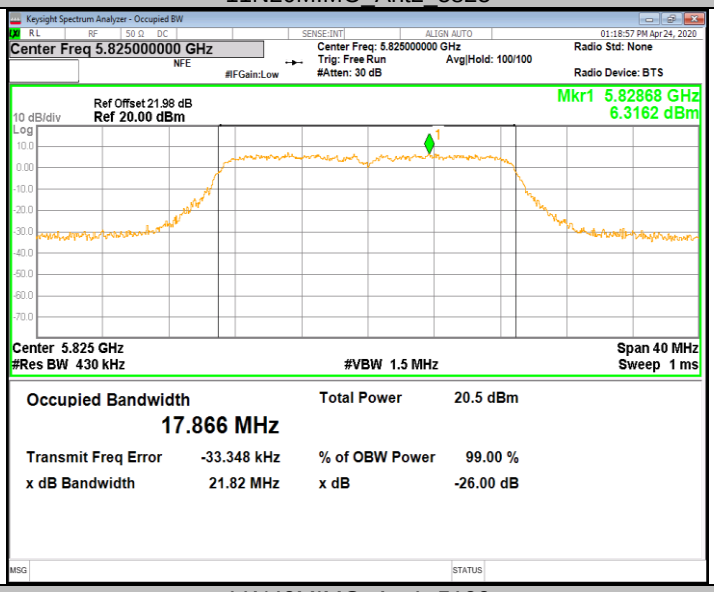
11N20MIMO_Ant2_5785



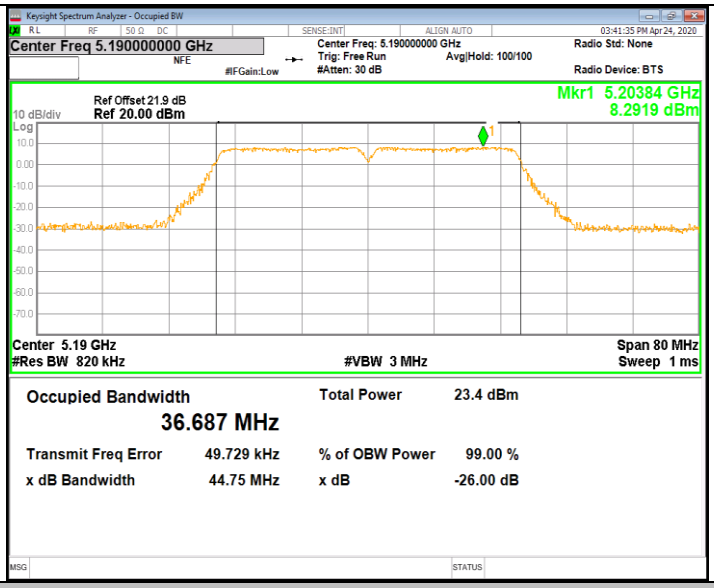
11N20MIMO_Ant1_5825



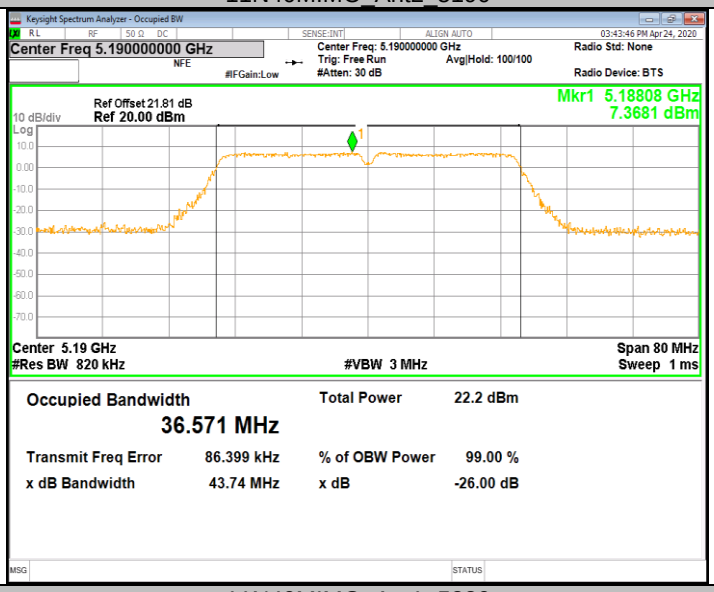
11N20MIMO_Ant2_5825



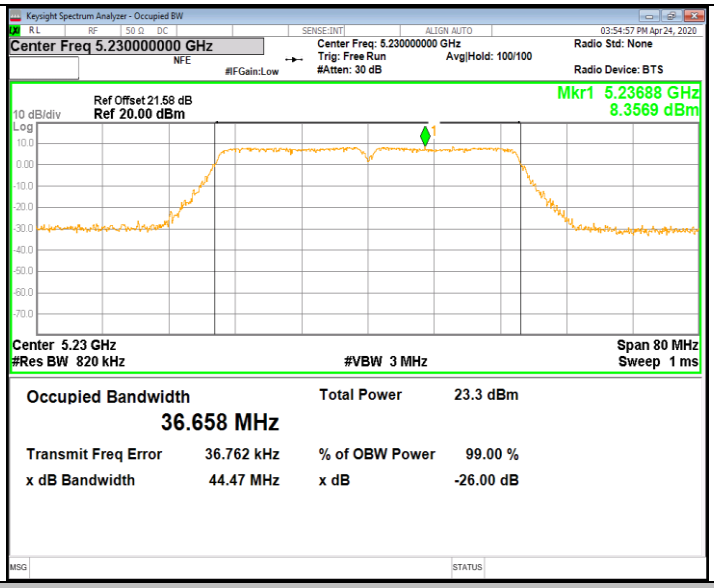
11N40MIMO_Ant1_5190



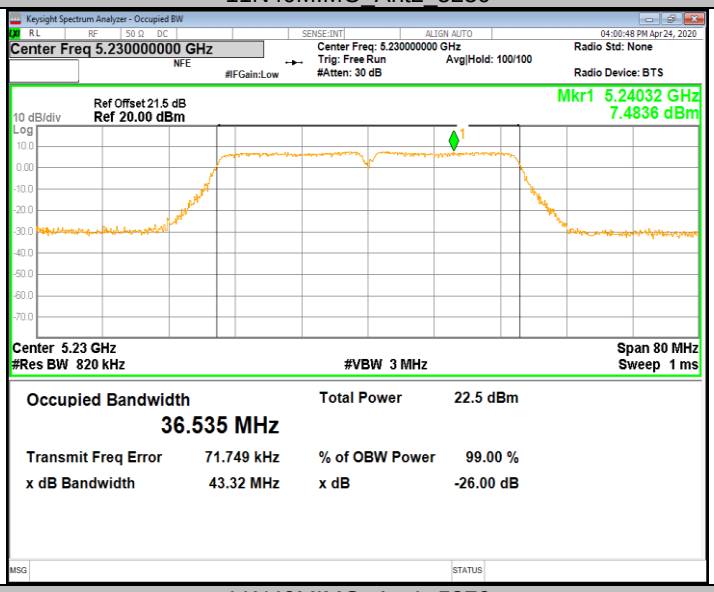
11N40MIMO_Ant2_5190



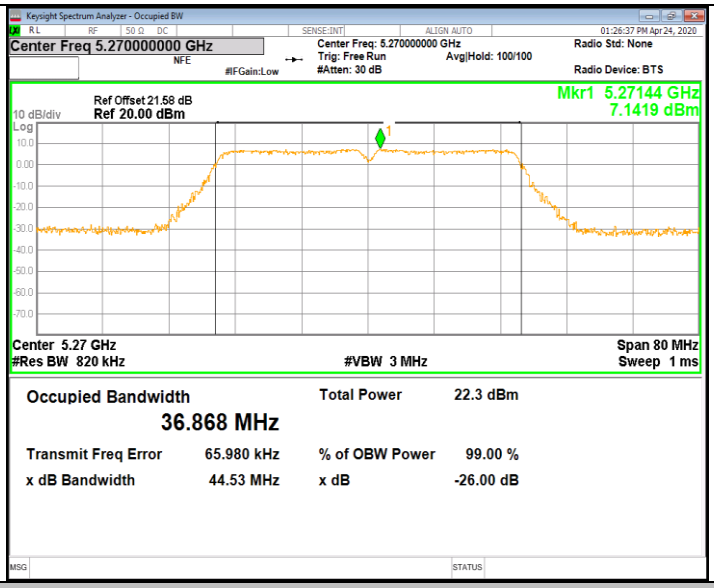
11N40MIMO_Ant1_5230



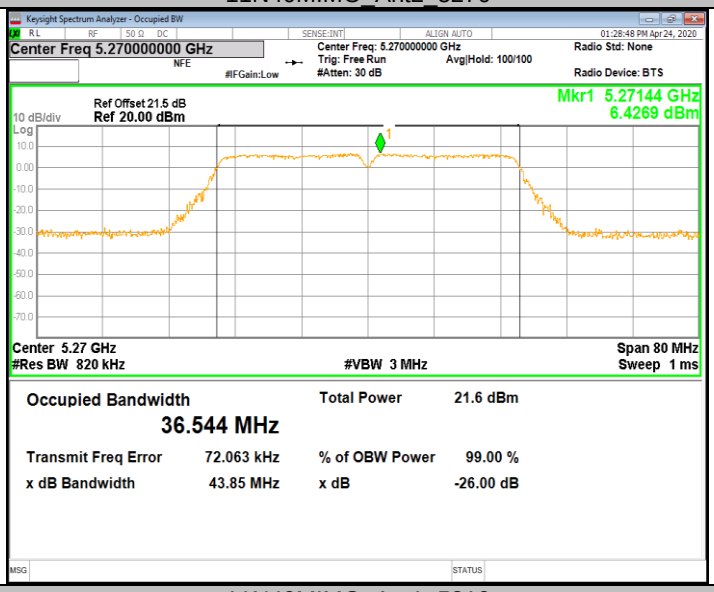
11N40MIMO_Ant2_5230



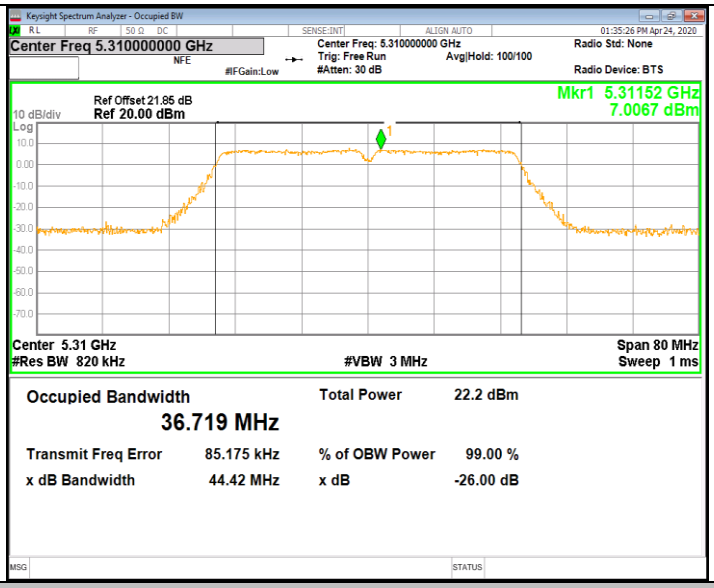
11N40MIMO_Ant1_5270



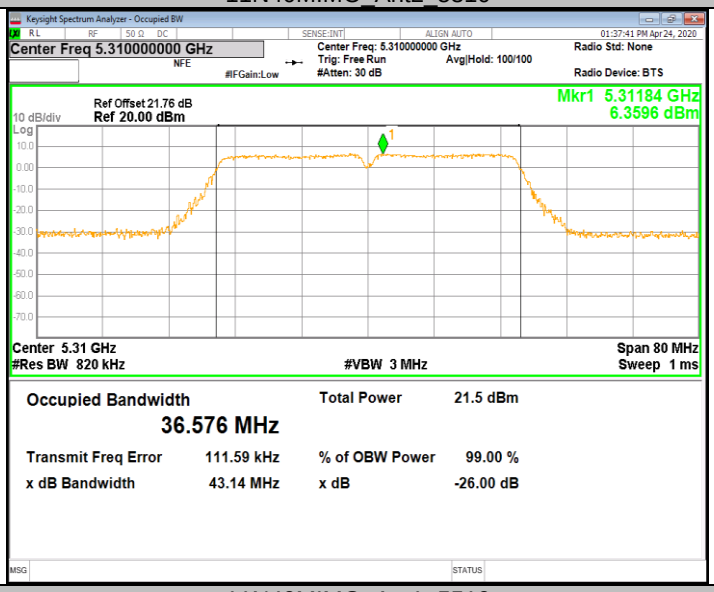
11N40MIMO_Ant2_5270



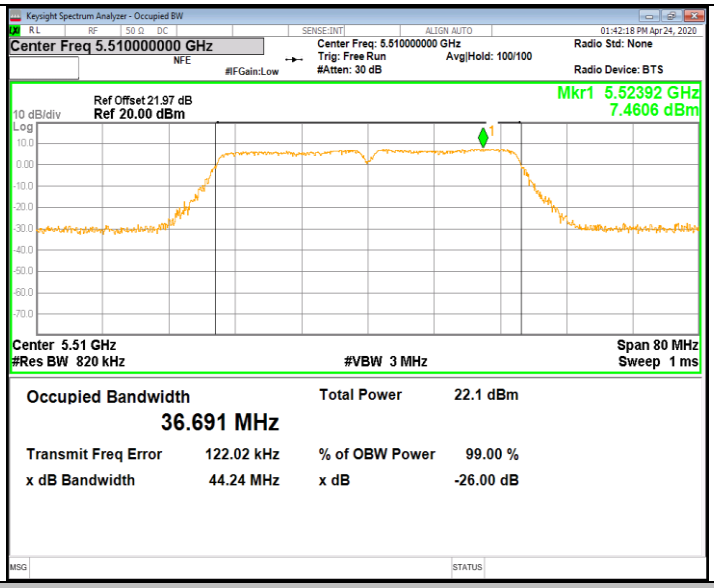
11N40MIMO_Ant1_5310



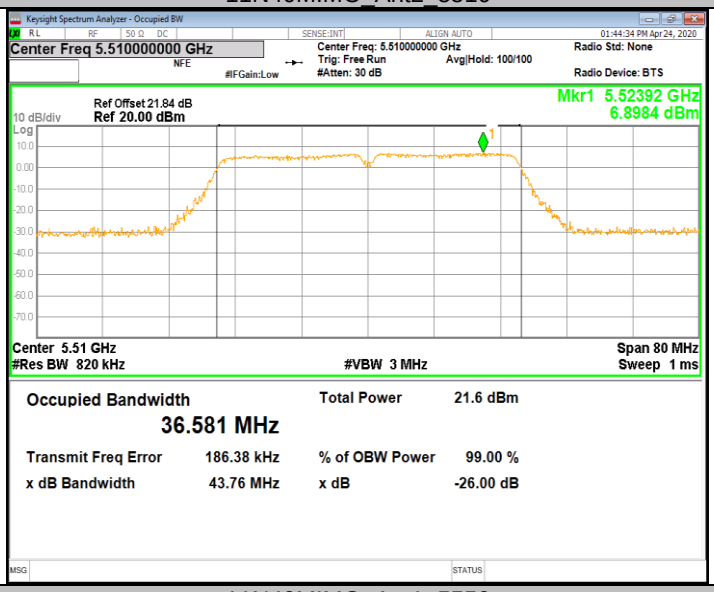
11N40MIMO_Ant2_5310



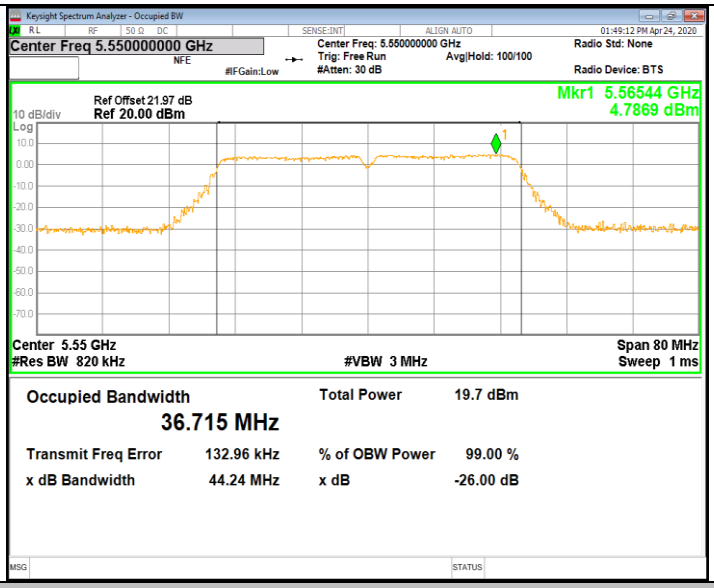
11N40MIMO_Ant1_5510



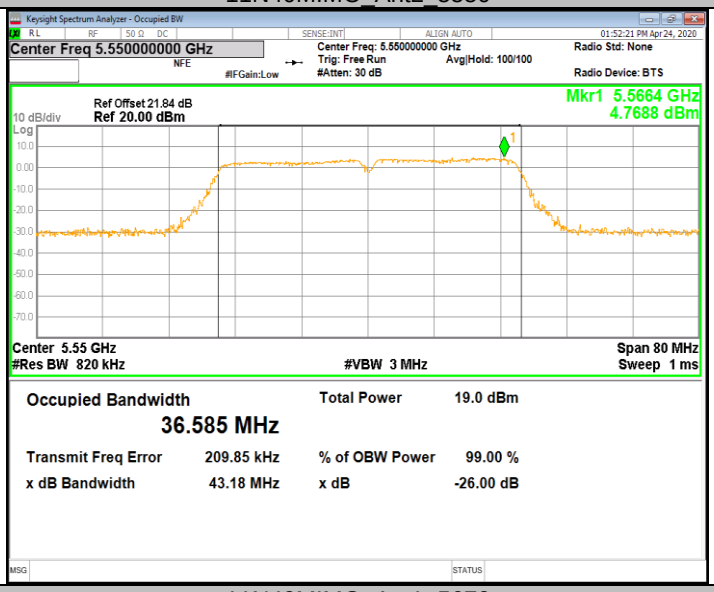
11N40MIMO_Ant2_5510



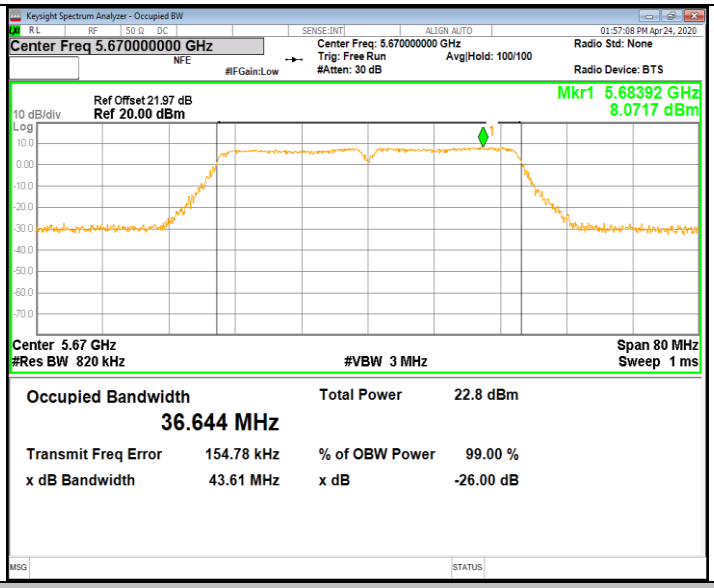
11N40MIMO_Ant1_5550



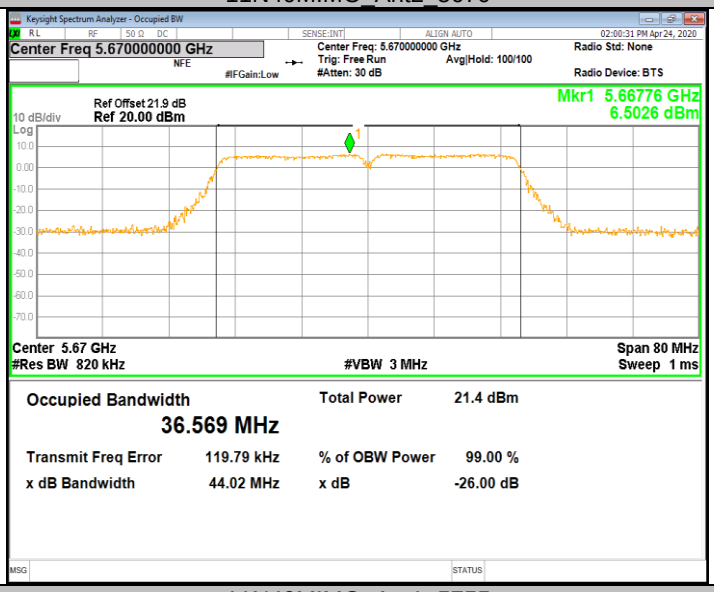
11N40MIMO_Ant2_5550



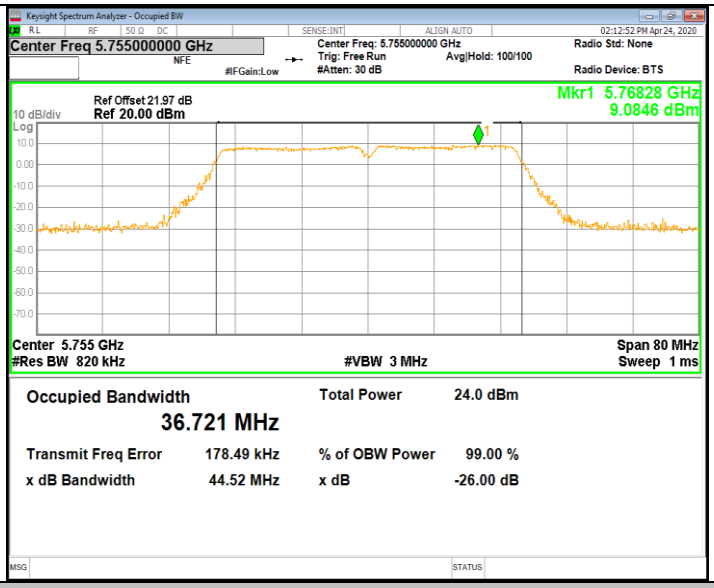
11N40MIMO_Ant1_5670



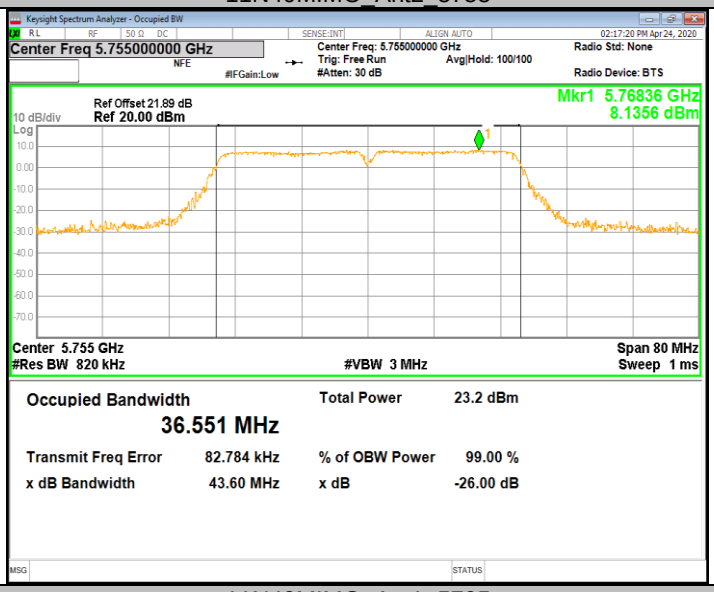
11N40MIMO_Ant2_5670



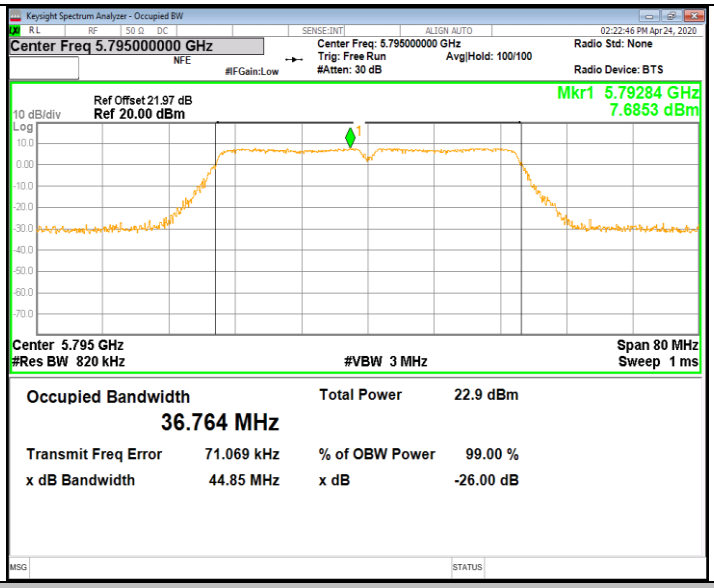
11N40MIMO_Ant1_5755



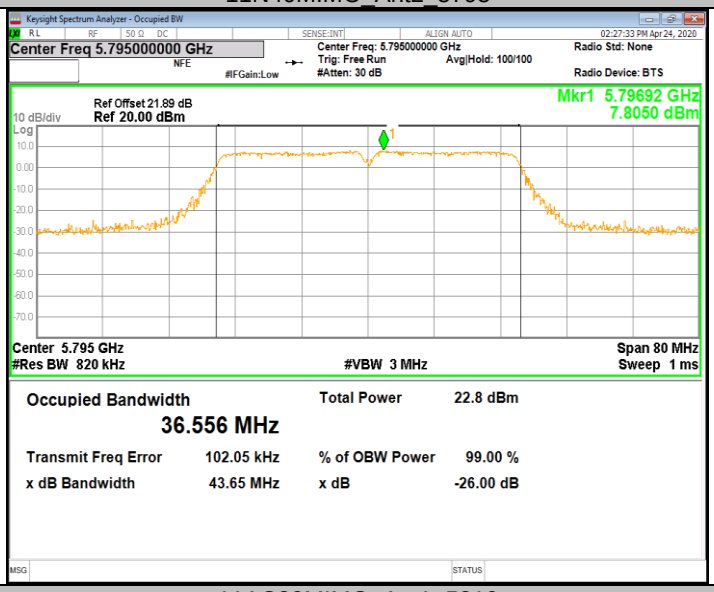
11N40MIMO_Ant2_5755



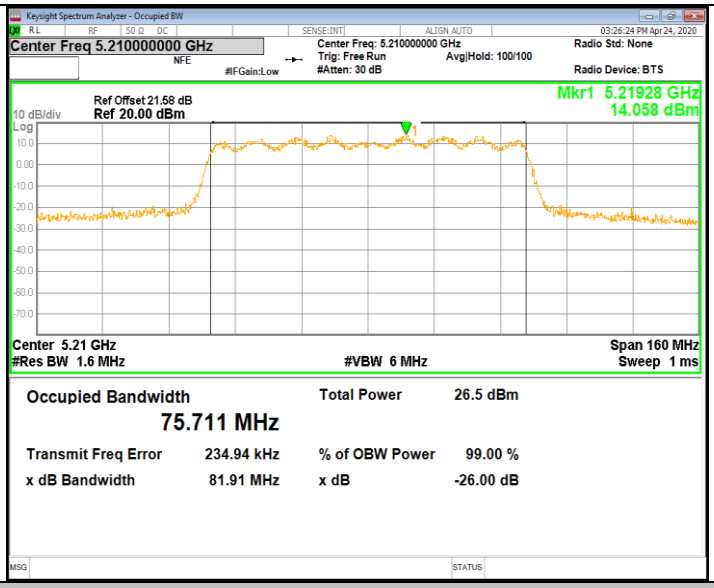
11N40MIMO_Ant1_5795



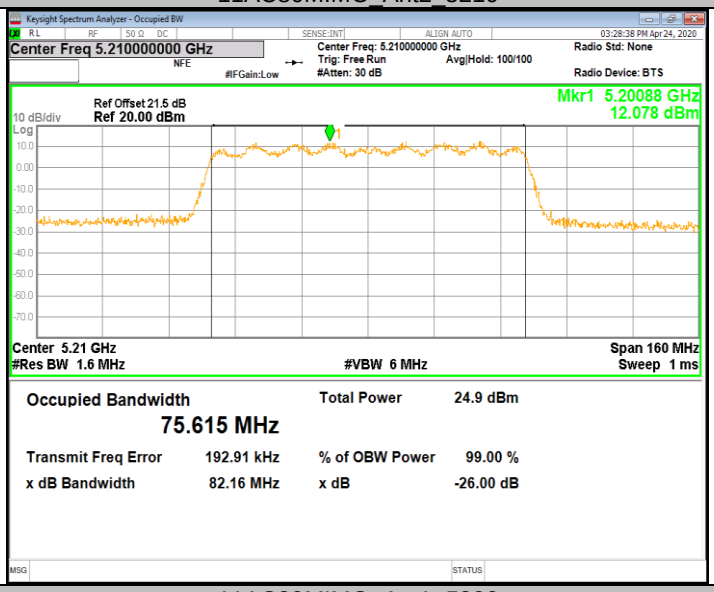
11N40MIMO_Ant2_5795



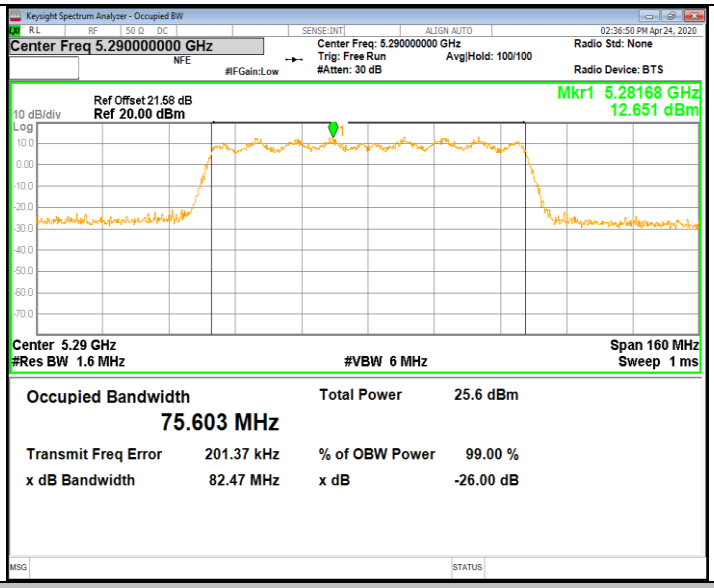
11AC80MIMO_Ant1_5210



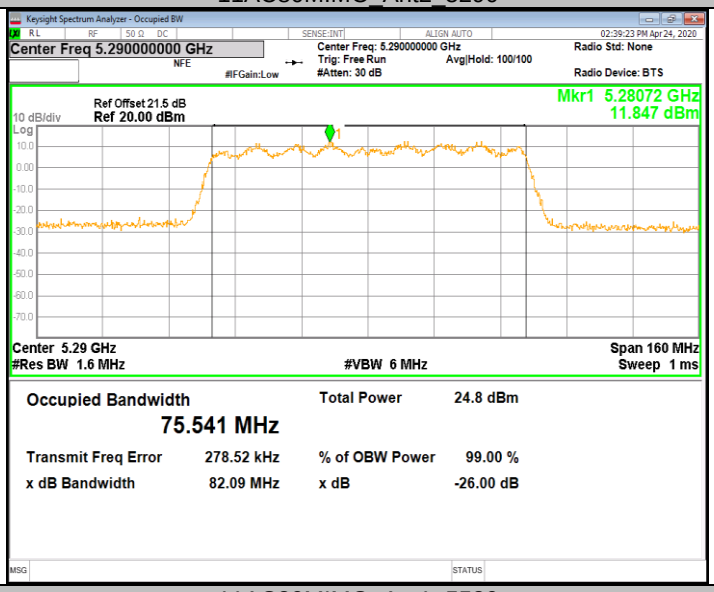
11AC80MIMO_Ant2_5210



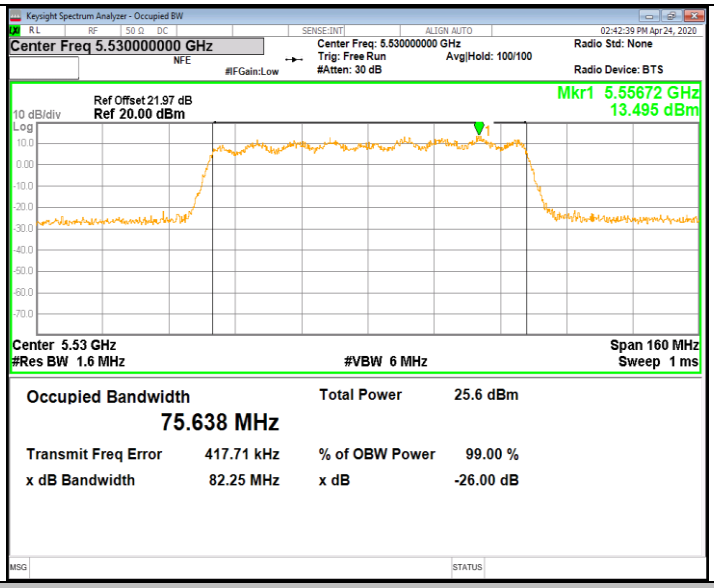
11AC80MIMO_Ant1_5290



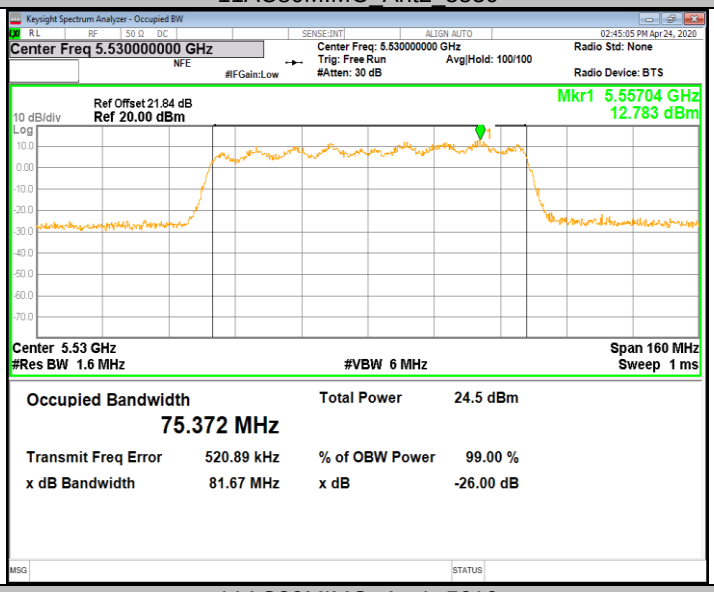
11AC80MIMO_Ant2_5290



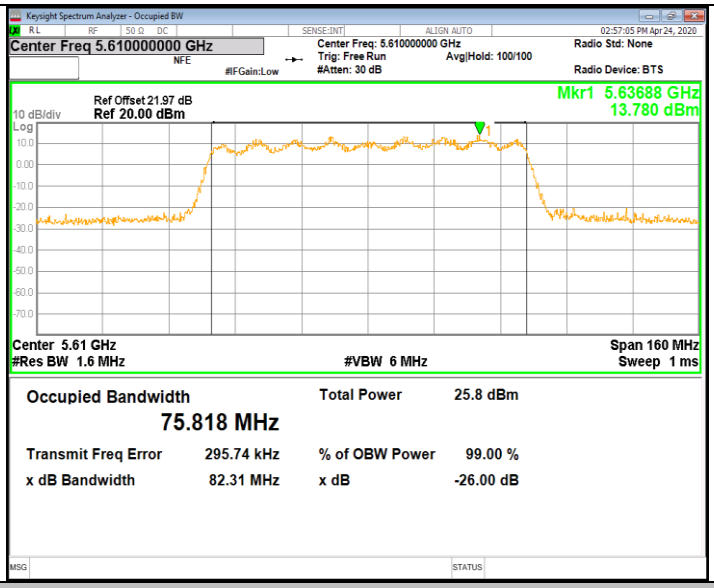
11AC80MIMO_Ant1_5530



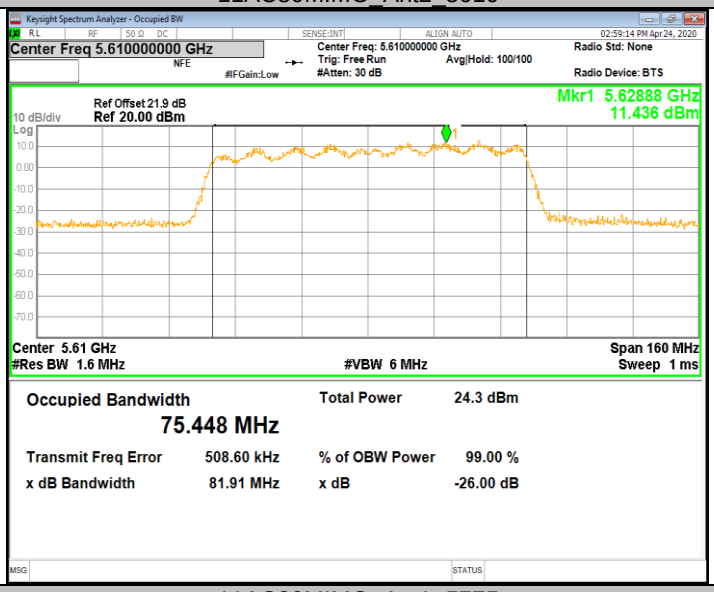
11AC80MIMO_Ant2_5530



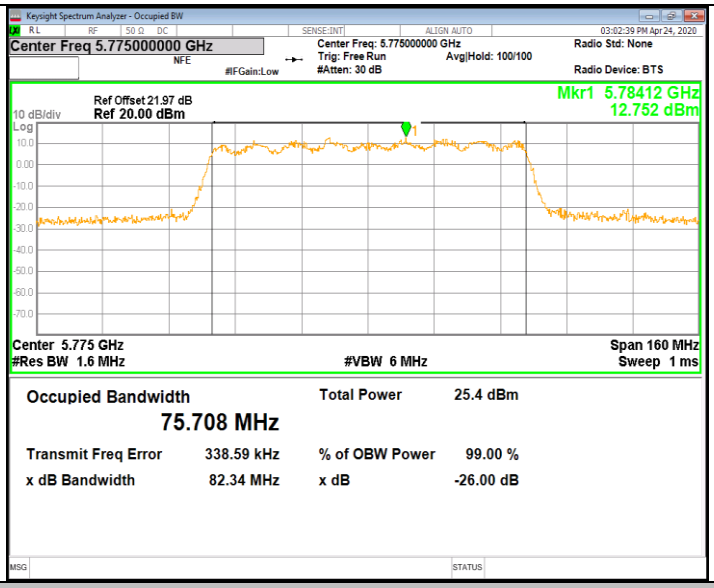
11AC80MIMO_Ant1_5610



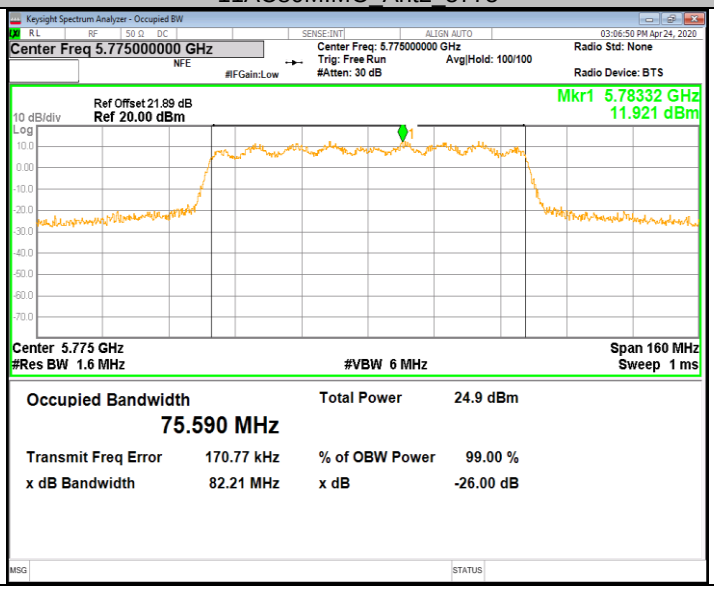
11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



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
11A-CDD	Ant1	5745	16.520	5736.720	5753.240	0.5	PASS
	Ant2	5745	16.520	5736.760	5753.280	0.5	PASS
	Ant1	5785	16.440	5776.800	5793.240	0.5	PASS
	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
11N20MIMO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
	Ant1	5785	17.680	5776.160	5793.840	0.5	PASS
	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
11N40MIMO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
	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

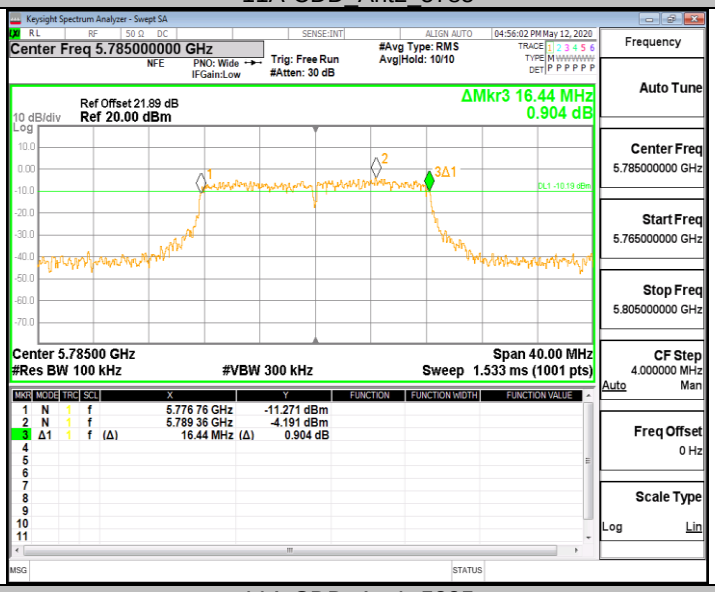
12.3.2. TEST GRAPHS

11A-CDD_Ant1_5745

11A-CDD_Ant2_5745

11A-CDD_Ant1_5785

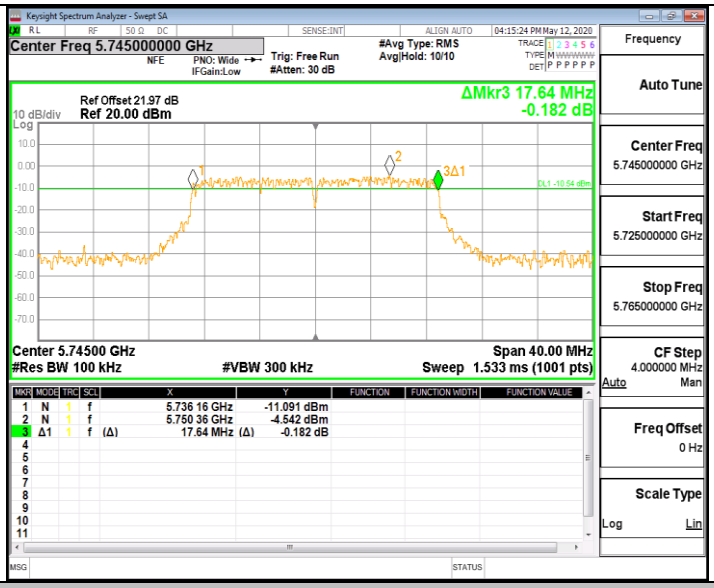
11A-CDD_Ant2_5785



11A-CDD_Ant1_5825

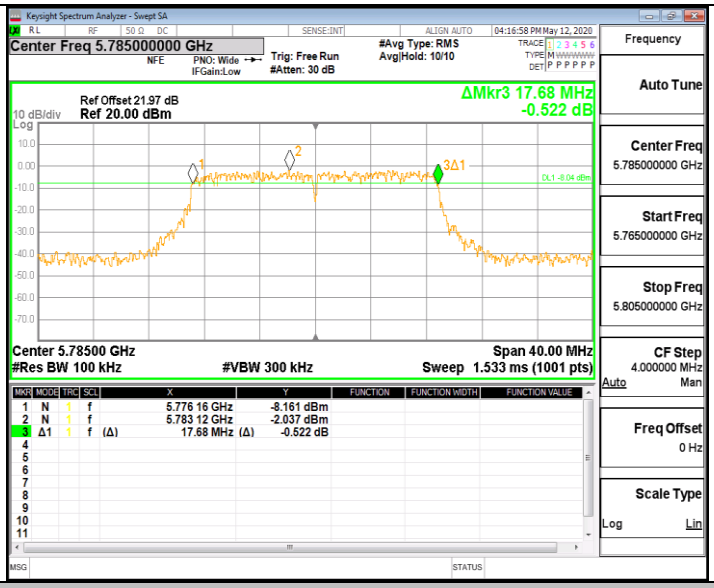
11A-CDD_Ant2_5825

11N20MIMO_Ant1_5745

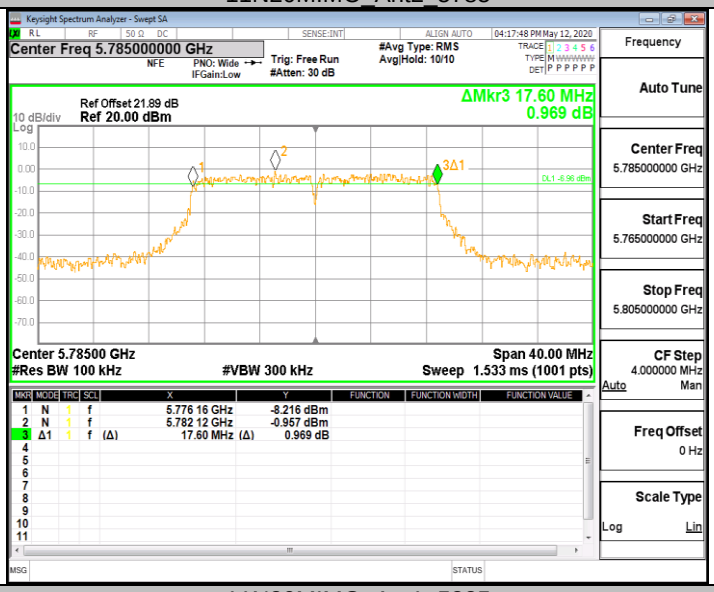


11N20MIMO_Ant2_5745

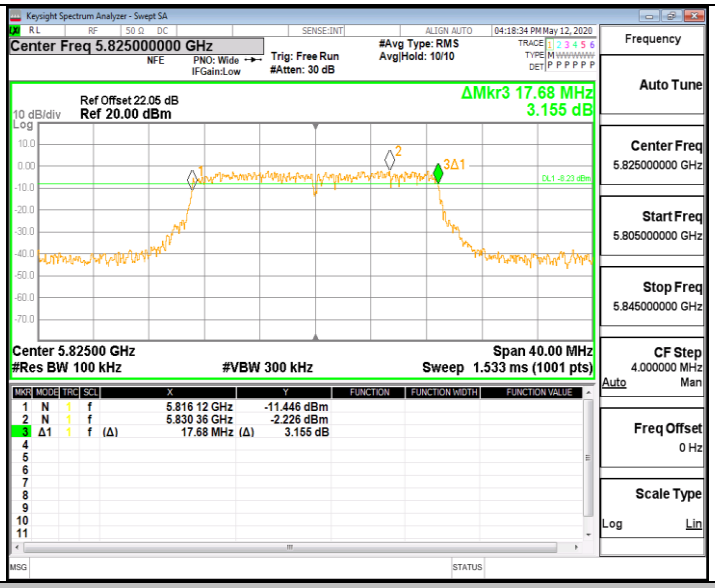
11N20MIMO_Ant1_5785



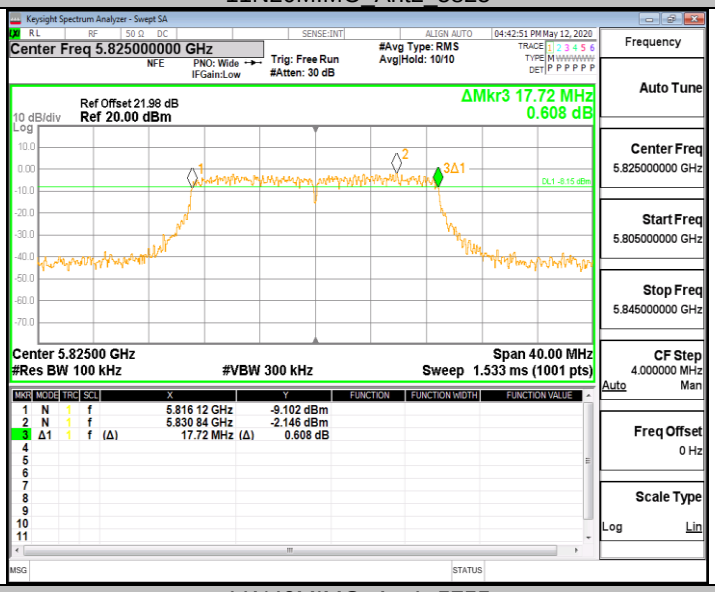
11N20MIMO_Ant2_5785



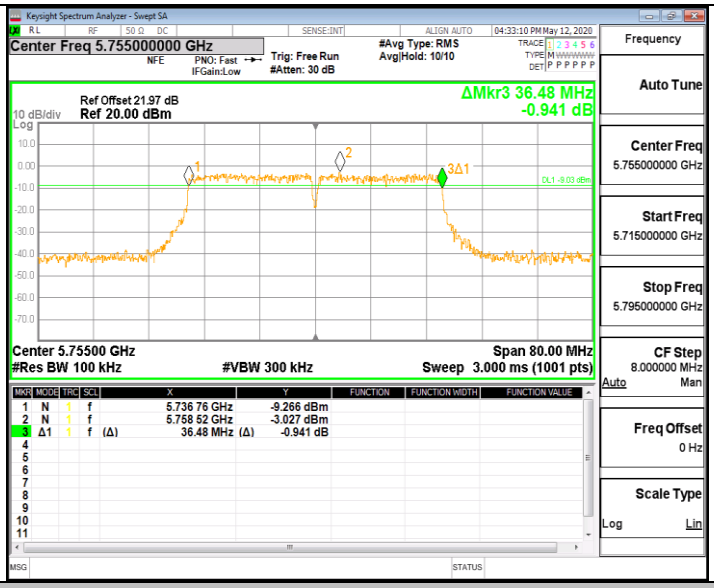
11N20MIMO_Ant1_5825



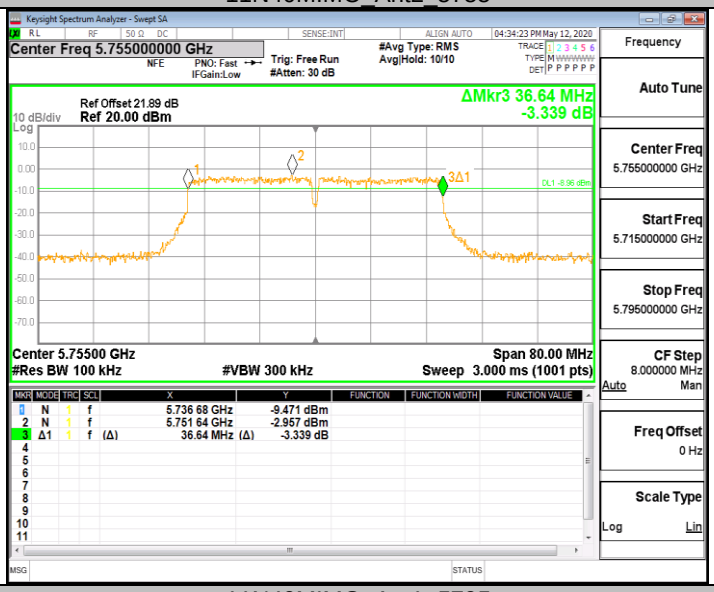
11N20MIMO_Ant2_5825



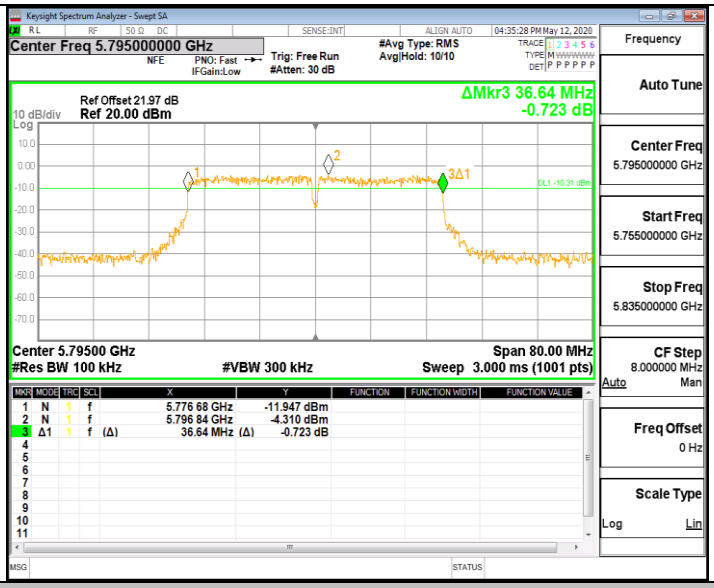
11N40MIMO_Ant1_5755



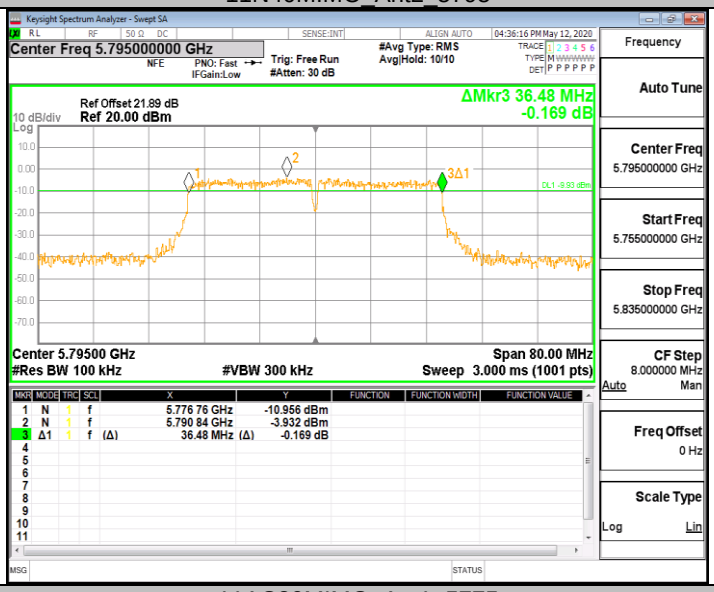
11N40MIMO_Ant2_5755



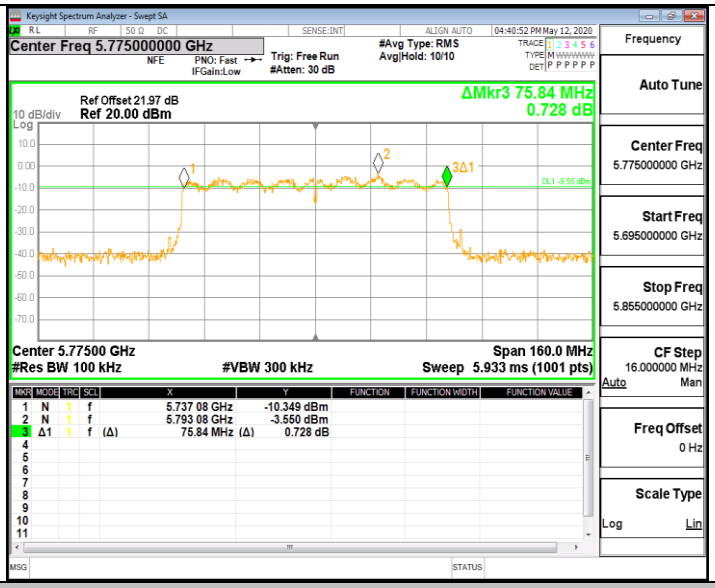
11N40MIMO_Ant1_5795



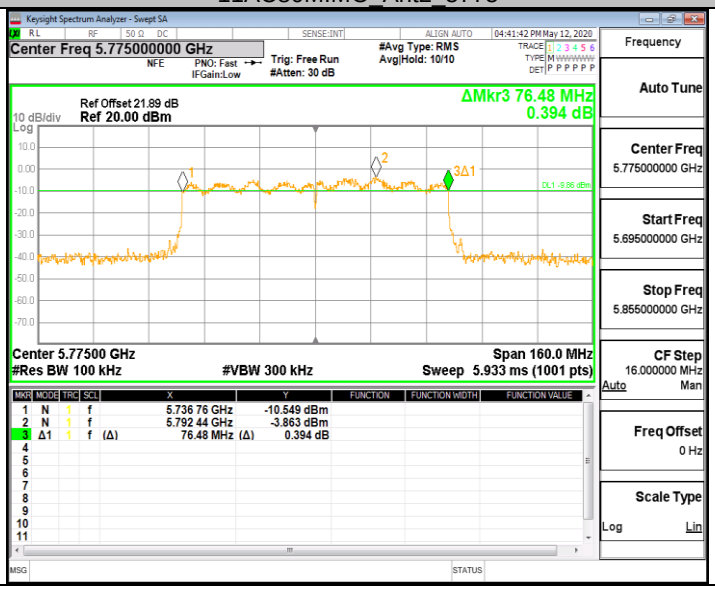
11N40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



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
			(dBi)	(dBm)	(mW)	(mW)	(dBm)	(dBm)	(dBm)	(dBm)
802.11a	5180(36)	1	8.17	-1.96	0.64	1.34	1.29	14.83	9.46	10.00
		2		-1.50	0.71					
	5200(40)	1	8.17	-1.47	0.71	1.34	1.27	14.83	9.44	10.00
		2		-2.03	0.63					
	5240(48)	1	8.17	-1.67	0.68	1.39	1.44	14.83	9.61	10.00
		2		-1.47	0.71					
	5260(52)	1	8.17	3.17	2.07	4.03	6.05	8.83	/	8.83
		2		2.91	1.95					
	5280(56)	1	8.17	3.40	2.19	4.18	6.21	8.83	/	8.83
		2		3.00	2.00					
	5320(64)	1	8.17	3.04	2.01	3.91	5.93	8.83	/	8.83
		2		2.79	1.90					
	5500(100)	1	8.17	2.22	1.67	3.15	4.98	8.83	/	8.83
		2		1.71	1.48					
	5580(116)	1	8.17	1.82	1.52	2.81	4.48	8.83	/	8.83
		2		1.09	1.29					
	5700(140)	1	8.17	1.72	1.49	4.01	6.03	8.83	/	8.83
		2		4.02	2.52					
	5745(149)	1	8.17	-2.94	0.51	0.94	-0.27	27.83	/	27.83
		2		-3.64	0.43					
	5785(157)	1	8.17	-1.60	0.69	1.31	1.16	27.83	/	27.83
		2		-2.12	0.61					
	5825(165)	1	8.17	-2.56	0.55	1.54	1.88	27.83	/	27.83
		2		-0.05	0.99					

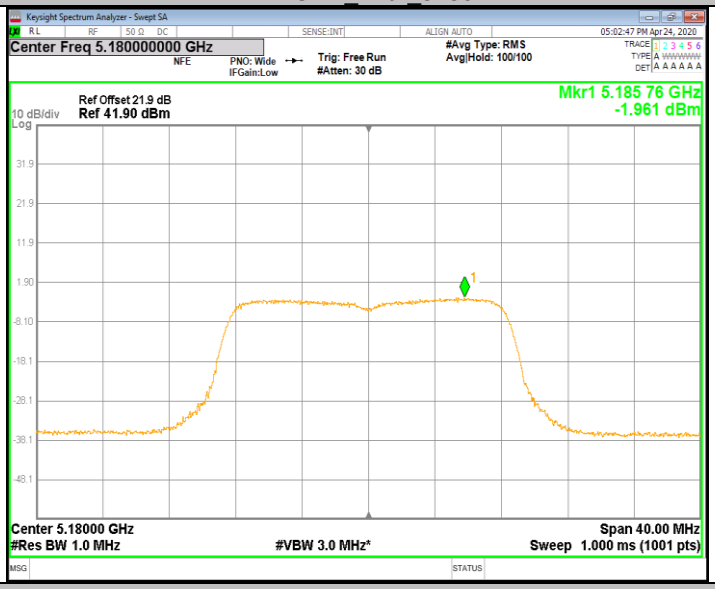
802.11n 20	5180(36)	1	8.17	-1.80	0.66	1.36	1.34	14.83	9.51	10.00
		2		-1.55	0.70					
	5200(40)	1	8.17	-1.41	0.72	1.34	1.26	14.83	9.43	10.00
		2		-2.13	0.61					
	5240(48)	1	8.17	-1.44	0.72	1.44	1.60	14.83	9.77	10.00
		2		-1.39	0.73					
	5260(52)	1	8.17	3.43	2.20	4.24	6.27	8.83	/	8.83
		2		3.09	2.04					
	5280(56)	1	8.17	3.22	2.10	4.02	6.04	8.83	/	8.83
		2		2.84	1.92					
	5320(64)	1	8.17	4.77	3.00	5.76	7.60	8.83	/	8.83
		2		4.41	2.76					
	5500(100)	1	8.17	4.48	2.81	5.42	7.34	8.83	/	8.83
		2		4.18	2.62					
	5580(116)	1	8.17	1.50	1.41	2.52	4.02	8.83	/	8.83
		2		0.46	1.11					
	5700(140)	1	8.17	3.18	2.08	4.14	6.17	8.83	/	8.83
		2		3.13	2.06					
	5745(149)	1	8.17	-2.22	0.60	1.23	0.89	27.83	/	8.83
		2		-2.02	0.63					
	5785(157)	1	8.17	0.37	1.09	2.08	3.17	27.83	/	8.83
		2		-0.06	0.99					
	5825(165)	1	8.17	1.03	1.27	2.36	3.73	27.83	/	8.83
		2		0.38	1.09					
802.11n 40	5190(38)	1	8.17	-3.84	0.41	0.75	-1.22	14.83	6.95	10.00
		2		-4.67	0.34					
	5230(46)	1	8.17	-3.93	0.40	0.78	-1.06	14.83	7.11	10.00
		2		-4.21	0.38					
	5270(54)	1	8.17	0.84	1.21	2.36	3.73	8.83	/	8.83
		2		0.60	1.15					
	5310(62)	1	8.17	1.13	1.30	2.42	3.83	8.83	/	8.83
		2		0.49	1.12					
	5510(102)	1	8.17	1.09	1.29	2.53	4.03	8.83	/	8.83
		2		0.94	1.24					
	5550(110)	1	8.17	-1.40	0.72	1.41	1.50	8.83	/	8.83
		2		-1.62	0.69					
	5670(134)	1	8.17	2.05	1.60	2.94	4.69	8.83	/	8.83
		2		1.27	1.34					
	5755(151)	1	8.17	-0.10	0.98	1.79	2.52	27.83	/	8.83
		2		-0.92	0.81					
	5795(159)	1	8.17	-1.42	0.72	1.46	1.65	27.83	/	8.83
		2		-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					
	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	/	8.83
		2		1.10	1.29					
	5775(155)	1	8.17	-1.39	0.73	1.37	1.38	27.83	/	8.83
		2		-1.88	0.65					

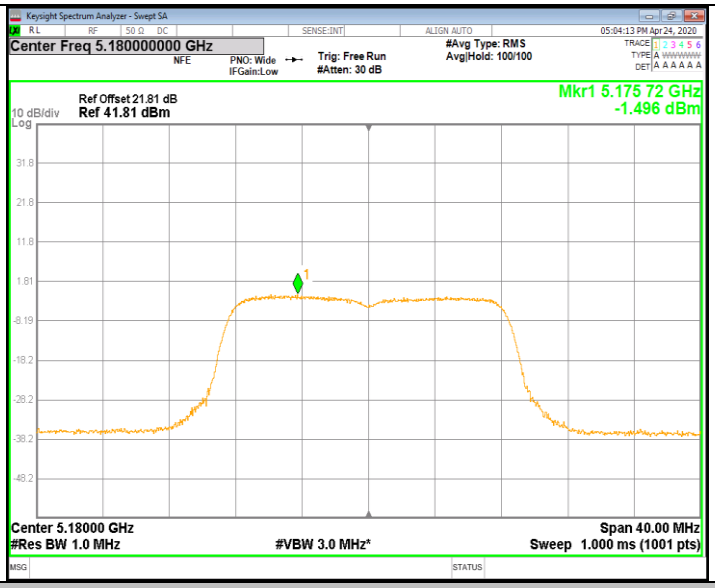
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

12.4.2. TEST GRAPHS

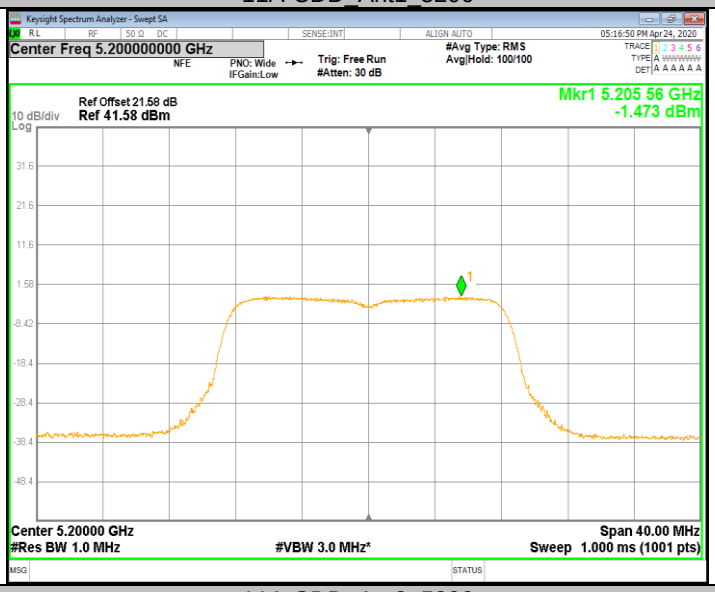
11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



11A-CDD_Ant1_5200



11A-CDD_Ant2_5200