

11AC40MIMO\_Ant2\_5190



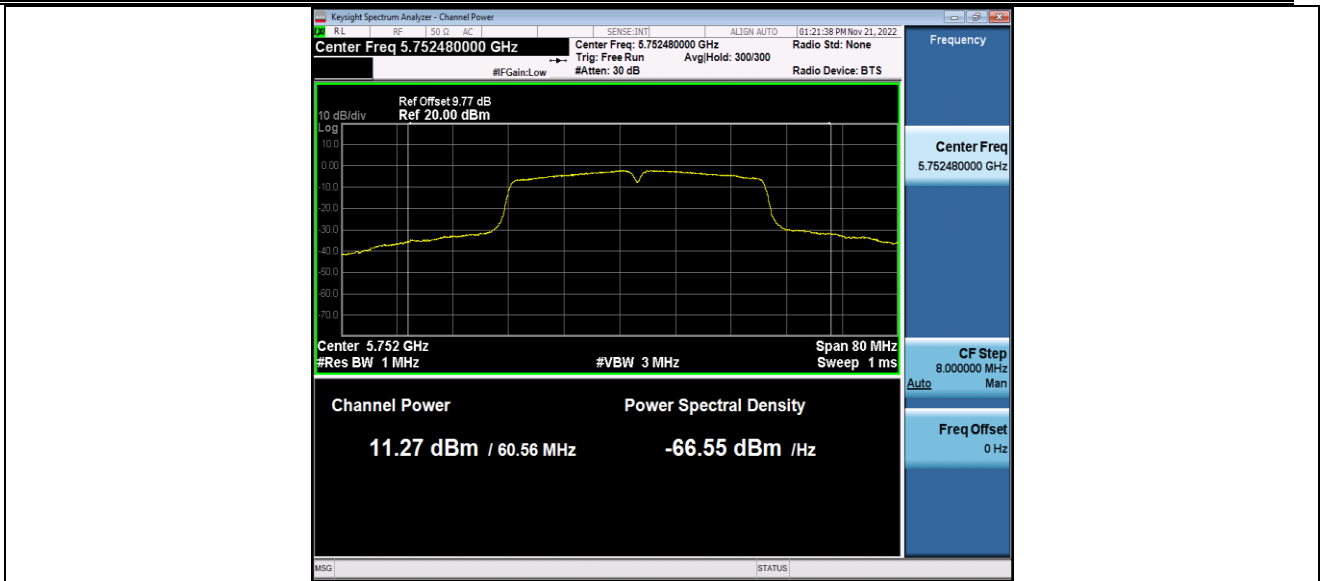
11AC40MIMO\_Ant1\_5230



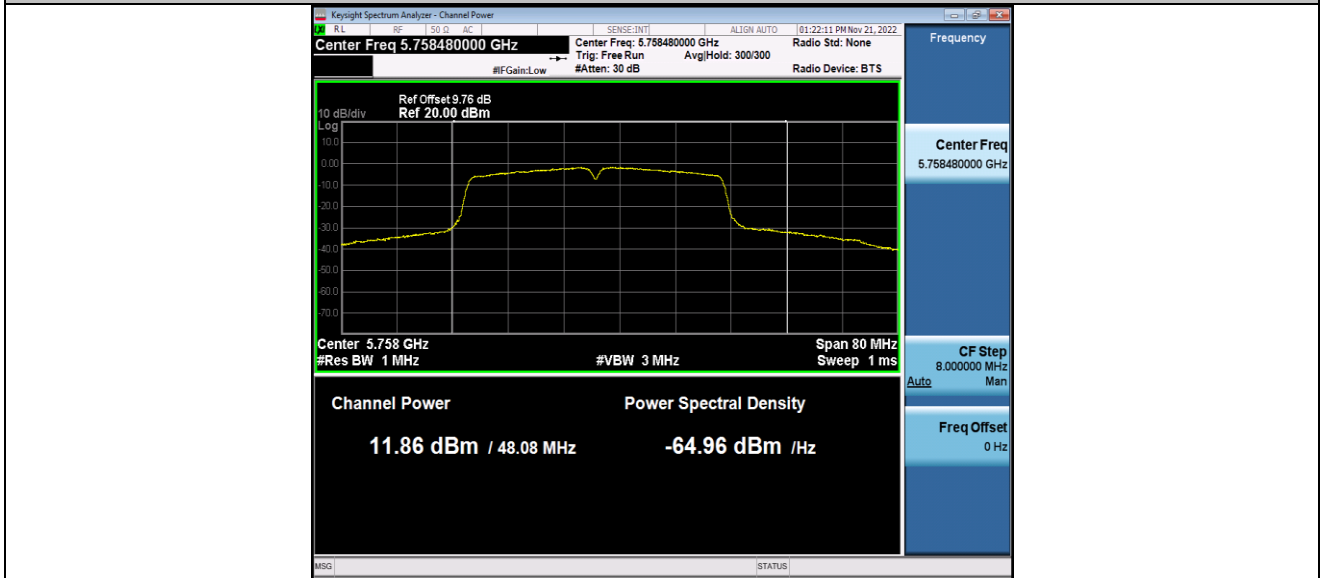
11AC40MIMO\_Ant2\_5230



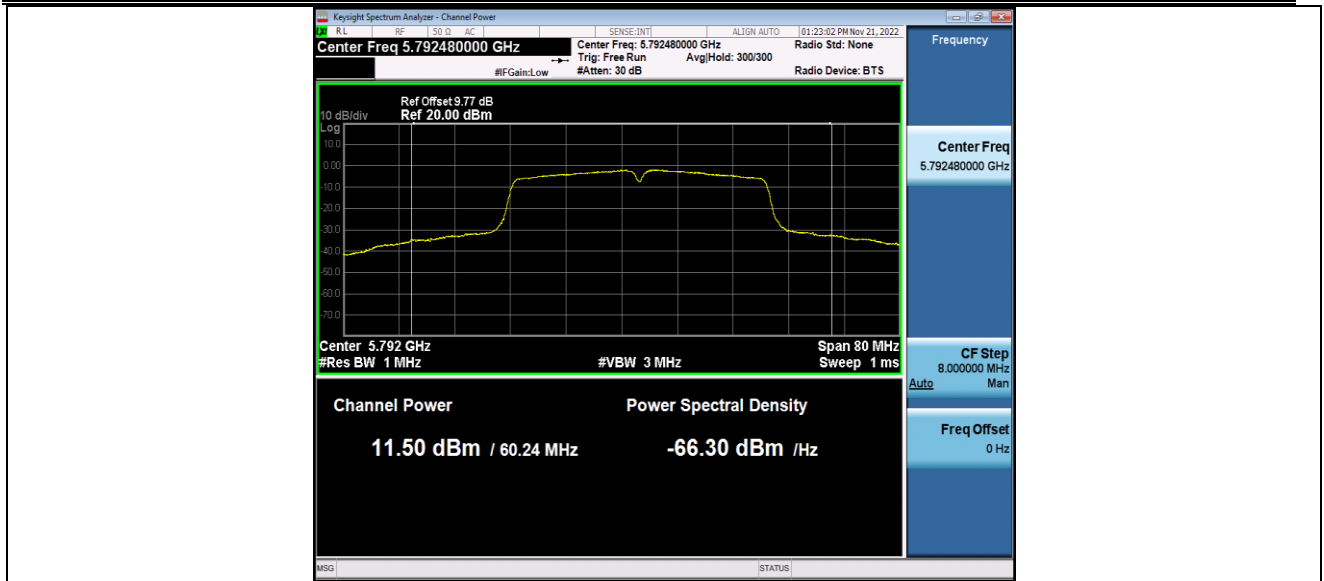
11AC40MIMO\_Ant1\_5755



11AC40MIMO\_Ant2\_5755



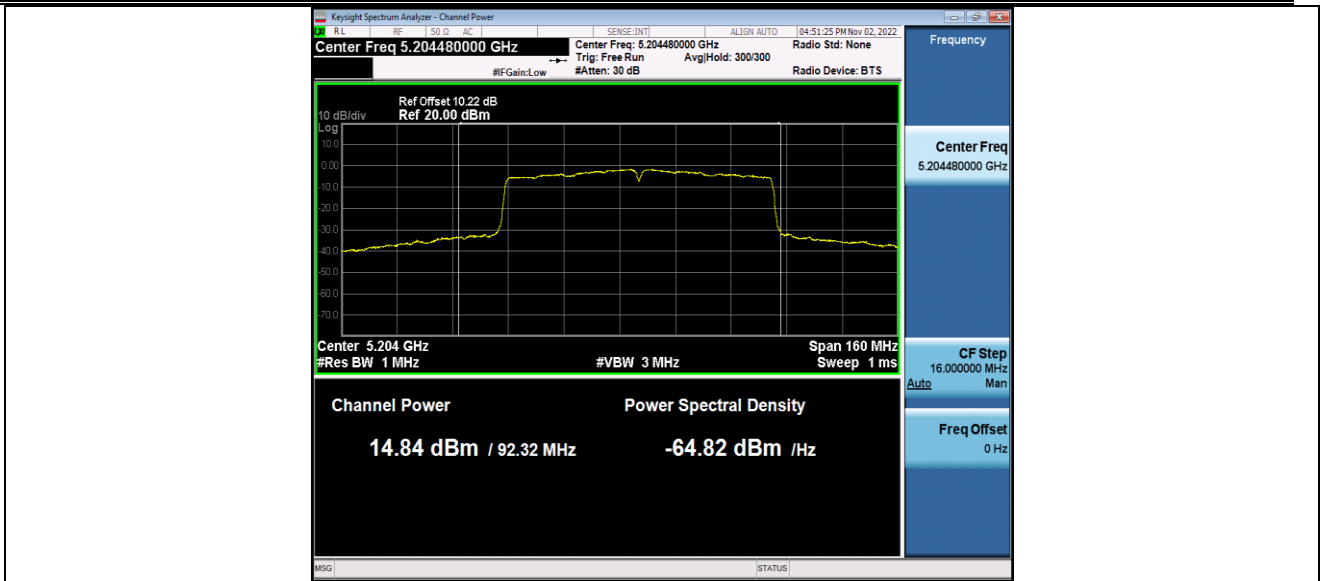
11AC40MIMO\_Ant1\_5795



11AC40MIMO\_Ant2\_5795



11AC80MIMO\_Ant1\_5210



11AC80MIMO\_Ant2\_5210



11AC80MIMO\_Ant1\_5775



11AC80MIMO\_Ant2\_5775



## Appendix C: Maximum power spectral density

### Test Result

#### FCC

TestMode	Antenna	Channel	Duty Cycle [%]	Duty Cycle Factor (dB)	Result [dBm/MHz]	Result [dBm/470kHz]	Result [dBm/5000kHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	95.86	0.18	7.19	---	---	≤11.00	PASS
	Ant2	5180	95.86	0.18	6.89	---	---	≤11.00	PASS
	Ant1	5220	95.86	0.18	7.61	---	---	≤11.00	PASS
	Ant2	5220	95.86	0.18	7.3	---	---	≤11.00	PASS
	Ant1	5240	95.86	0.18	7.48	---	---	≤11.00	PASS
	Ant2	5240	95.86	0.18	7.39	---	---	≤11.00	PASS
	Ant1	5745	95.86	0.18	---	0.32	0.59	≤30.00	PASS
	Ant2	5745	95.86	0.18	---	1.07	1.34	≤30.00	PASS
	Ant1	5785	95.86	0.18	---	0.97	1.24	≤30.00	PASS
	Ant2	5785	95.86	0.18	---	1.16	1.43	≤30.00	PASS
	Ant1	5825	95.86	0.18	---	0.79	1.06	≤30.00	PASS
	Ant2	5825	95.86	0.18	---	1.17	1.44	≤30.00	PASS
11N20MIMO	Ant1	5180	94.89	0.23	4.05	---	---	≤11.00	PASS
	Ant2	5180	94.8	0.23	5.53	---	---	≤11.00	PASS

			9						
	total	5180	94.8 9	0.23	7.86	---	---	≤11.00	PASS
	Ant1	5220	94.8 9	0.23	4.81	---	---	≤11.00	PASS
	Ant2	5220	94.8 9	0.23	5.53	---	---	≤11.00	PASS
	total	5220	94.8 9	0.23	8.2	---	---	≤11.00	PASS
	Ant1	5240	94.8 9	0.23	4.63	---	---	≤11.00	PASS
	Ant2	5240	94.8 9	0.23	5.44	---	---	≤11.00	PASS
	total	5240	94.8 9	0.23	8.06	---	---	≤11.00	PASS
	Ant1	5745	94.8 9	0.23	---	-0.41	-0.14	≤30.00	PASS
	Ant2	5745	94.8 9	0.23	---	0.21	0.48	≤30.00	PASS
	total	5745	94.8 9	0.23	---	---	3.19	≤30.00	PASS
	Ant1	5785	94.8 9	0.23	---	-0.02	0.25	≤30.00	PASS
	Ant2	5785	94.8 9	0.23	---	0.46	0.73	≤30.00	PASS
	total	5785	94.8 9	0.23	---	---	3.51	≤30.00	PASS
	Ant1	5825	94.8 9	0.23	---	-0.09	0.18	≤30.00	PASS
	Ant2	5825	94.8 9	0.23	---	0.21	0.48	≤30.00	PASS
	total	5825	94.8 9	0.23	---	---	3.34	≤30.00	PASS
11N40MIM O	Ant1	5190	91.4 3	0.39	1.27	---	---	≤11.00	PASS
	Ant2	5190	91.4	0.39	2.37	---	---	≤11.00	PASS



			3						
	total	5190	91.4 3	0.39	4.87	---	---	≤11.00	PASS
	Ant1	5230	91.4 3	0.39	2.17	---	---	≤11.00	PASS
	Ant2	5230	91.4 3	0.39	2.79	---	---	≤11.00	PASS
	total	5230	91.4 3	0.39	5.5	---	---	≤11.00	PASS
	Ant1	5755	91.4 3	0.39	---	-4.59	-4.32	≤30.00	PASS
	Ant2	5755	91.4 3	0.39	---	-4.06	-3.79	≤30.00	PASS
	total	5755	91.4 3	0.39	---	---	-1.04	≤30.00	PASS
	Ant1	5795	91.4 3	0.39	---	-4.39	-4.12	≤30.00	PASS
	Ant2	5795	91.4 3	0.39	---	-3.84	-3.57	≤30.00	PASS
	total	5795	91.4 3	0.39	---	---	-0.83	≤30.00	PASS
11AC20MI MO	Ant1	5180	90.6 7	0.43	4.36	---	---	≤11.00	PASS
	Ant2	5180	90.6 7	0.43	5.5	---	---	≤11.00	PASS
	total	5180	90.6 7	0.43	7.98	---	---	≤11.00	PASS
	Ant1	5220	90.6 7	0.43	4.8	---	---	≤11.00	PASS
	Ant2	5220	90.6 7	0.43	5.63	---	---	≤11.00	PASS
	total	5220	90.6 7	0.43	8.25	---	---	≤11.00	PASS
	Ant1	5240	90.6 7	0.43	4.82	---	---	≤11.00	PASS
	Ant2	5240	90.6	0.43	5.65	---	---	≤11.00	PASS

			7						
	total	5240	90.6 7	0.43	8.27	---	---	≤11.00	PASS
	Ant1	5745	90.6 7	0.43	---	-0.08	0.19	≤30.00	PASS
	Ant2	5745	90.6 7	0.43	---	0.54	0.81	≤30.00	PASS
	total	5745	90.6 7	0.43	---	---	3.52	≤30.00	PASS
	Ant1	5785	90.6 7	0.43	---	0.13	0.40	≤30.00	PASS
	Ant2	5785	90.6 7	0.43	---	0.41	0.68	≤30.00	PASS
	total	5785	90.6 7	0.43	---	---	3.55	≤30.00	PASS
	Ant1	5825	90.6 7	0.43	---	0.23	0.50	≤30.00	PASS
	Ant2	5825	90.6 7	0.43	---	0.77	1.04	≤30.00	PASS
	total	5825	90.6 7	0.43	---	---	3.79	≤30.00	PASS
11AC40MI MO	Ant1	5190	85.3 7	0.69	1.55	---	---	≤11.00	PASS
	Ant2	5190	85.3 7	0.69	2.74	---	---	≤11.00	PASS
	total	5190	85.3 7	0.69	5.2	---	---	≤11.00	PASS
	Ant1	5230	85.3 7	0.69	2.02	---	---	≤11.00	PASS
	Ant2	5230	85.3 7	0.69	2.76	---	---	≤11.00	PASS
	total	5230	85.3 7	0.69	5.42	---	---	≤11.00	PASS
	Ant1	5755	85.3 7	0.69	---	-5.28	-5.01	≤30.00	PASS
	Ant2	5755	85.3	0.69	---	-4.65	-4.38	≤30.00	PASS

			7						
	total	5755	85.3 7	0.69	---	---	-1.67	≤30.00	PASS
	Ant1	5795	85.3 7	0.69	---	-4.85	-4.58	≤30.00	PASS
	Ant2	5795	85.3 7	0.69	---	-4.59	-4.32	≤30.00	PASS
	total	5795	85.3 7	0.69	---	---	-1.44	≤30.00	PASS
11AC80MI MO	Ant1	5210	75	1.25	-1.28	---	---	≤11.00	PASS
	Ant2	5210	75	1.25	-0.04	---	---	≤11.00	PASS
	total	5210	75	1.25	2.39	---	---	≤11.00	PASS
	Ant1	5775	75	1.25	---	-7.42	-7.15	≤30.00	PASS
	Ant2	5775	75	1.25	---	-6.69	-6.42	≤30.00	PASS
	total	5775	75	1.25	---	---	-3.76	≤30.00	PASS

Note : The Duty Cycle Factor is compensated in the graph.

## IC

Test Mode	Antenna	Channel	Duty Cycle [%]	Duty Cycle Factor (dB)	Result	Result	Result	Limit	EIRP	EIRP Limit	Verdict
					[dBm/MHz]	[dBm/470kHz]	[dBm/500kHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	
11A	Ant1	5180	95.86	0.18	7.19	---	---	---	7.21	≤10	PASS
	Ant2	5180	95.86	0.18	6.89	---	---	---	6.91	≤10	PASS
	Ant1	5220	95.86	0.18	7.61	---	---	---	7.63	≤10	PASS
	Ant2	5220	95.86	0.18	7.3	---	---	---	7.32	≤10	PASS
	Ant1	5240	95.86	0.18	7.48	---	---	---	7.5	≤10	PASS
	Ant2	5240	95.86	0.18	7.39	---	---	---	7.41	≤10	PASS
	Ant1	5745	95.86	0.18	---	0.32	0.59	30	0.61	---	PASS
	Ant2	5745	95.86	0.18	---	1.07	1.34	30	1.36	---	PASS
	Ant1	5785	95.86	0.18	---	0.97	1.24	30	1.26	---	PASS
	Ant2	5785	95.86	0.18	---	1.16	1.43	30	1.45	---	PASS
	Ant1	5825	95.86	0.18	---	0.79	1.06	30	1.08	---	PASS
	Ant2	5825	95.86	0.18	---	1.17	1.44	30	1.46	---	PASS
11N20MI MO	Ant1	5180	94.89	0.23	4.05	---	---	---	4.07	≤10	PASS
	Ant2	5180	94.89	0.23	5.53	---	---	---	5.55	≤10	PASS
	total	5180	94.89	0.23	7.86	---	---	---	7.88	≤10	PASS

	Ant1	5220	94.89	0.23	4.81	---	---	---	4.83	≤10	PAS S
	Ant2	5220	94.89	0.23	5.53	---	---	---	5.55	≤10	PAS S
	total	5220	94.89	0.23	8.2	---	---	---	8.22	≤10	PAS S
	Ant1	5240	94.89	0.23	4.63	---	---	---	4.65	≤10	PAS S
	Ant2	5240	94.89	0.23	5.44	---	---	---	5.46	≤10	PAS S
	total	5240	94.89	0.23	8.06	---	---	---	8.08	≤10	PAS S
	Ant1	5745	94.89	0.23	---	-0.41	-0.14	30	-0.12	---	PAS S
	Ant2	5745	94.89	0.23	---	0.21	0.48	30	0.50	---	PAS S
	total	5745	94.89	0.23	---	---	3.19	30	3.21	---	PAS S
	Ant1	5785	94.89	0.23	---	-0.02	0.25	30	0.27	---	PAS S
	Ant2	5785	94.89	0.23	---	0.46	0.73	30	0.75	---	PAS S
	total	5785	94.89	0.23	---	---	3.51	30	3.53	---	PAS S
	Ant1	5825	94.89	0.23	---	-0.09	0.18	30	0.20	---	PAS S
	Ant2	5825	94.89	0.23	---	0.21	0.48	30	0.50	---	PAS S
	total	5825	94.89	0.23	---	---	3.34	30	3.36	---	PAS S
11N40MI MO	Ant1	5190	91.43	0.39	1.27	---	---	---	1.29	≤10	PAS S
	Ant2	5190	91.43	0.39	2.37	---	---	---	2.39	≤10	PAS S
	total	5190	91.43	0.39	4.87	---	---	---	4.89	≤10	PAS S

	Ant1	5230	91.43	0.39	2.17	---	---	---	2.19	≤10	PAS S
	Ant2	5230	91.43	0.39	2.79	---	---	---	2.81	≤10	PAS S
	total	5230	91.43	0.39	5.5	---	---	---	5.52	≤10	PAS S
	Ant1	5755	91.43	0.39	---	-4.59	-4.32	30	-4.30	---	PAS S
	Ant2	5755	91.43	0.39	---	-4.06	-3.79	30	-3.77	---	PAS S
	total	5755	91.43	0.39	---	---	-1.04	30	-1.02	---	PAS S
	Ant1	5795	91.43	0.39	---	-4.39	-4.12	30	-4.10	---	PAS S
	Ant2	5795	91.43	0.39	---	-3.84	-3.57	30	-3.55	---	PAS S
	total	5795	91.43	0.39	---	---	-0.83	30	-0.81	---	PAS S
11AC20 MIMO	Ant1	5180	90.67	0.43	4.36	---	---	---	4.38	≤10	PAS S
	Ant2	5180	90.67	0.43	5.5	---	---	---	5.52	≤10	PAS S
	total	5180	90.67	0.43	7.98	---	---	---	8.00	≤10	PAS S
	Ant1	5220	90.67	0.43	4.8	---	---	---	4.82	≤10	PAS S
	Ant2	5220	90.67	0.43	5.63	---	---	---	5.65	≤10	PAS S
	total	5220	90.67	0.43	8.25	---	---	---	8.27	≤10	PAS S
	Ant1	5240	90.67	0.43	4.82	---	---	---	4.84	≤10	PAS S
	Ant2	5240	90.67	0.43	5.65	---	---	---	5.67	≤10	PAS S
	total	5240	90.67	0.43	8.27	---	---	---	8.29	≤10	PAS S

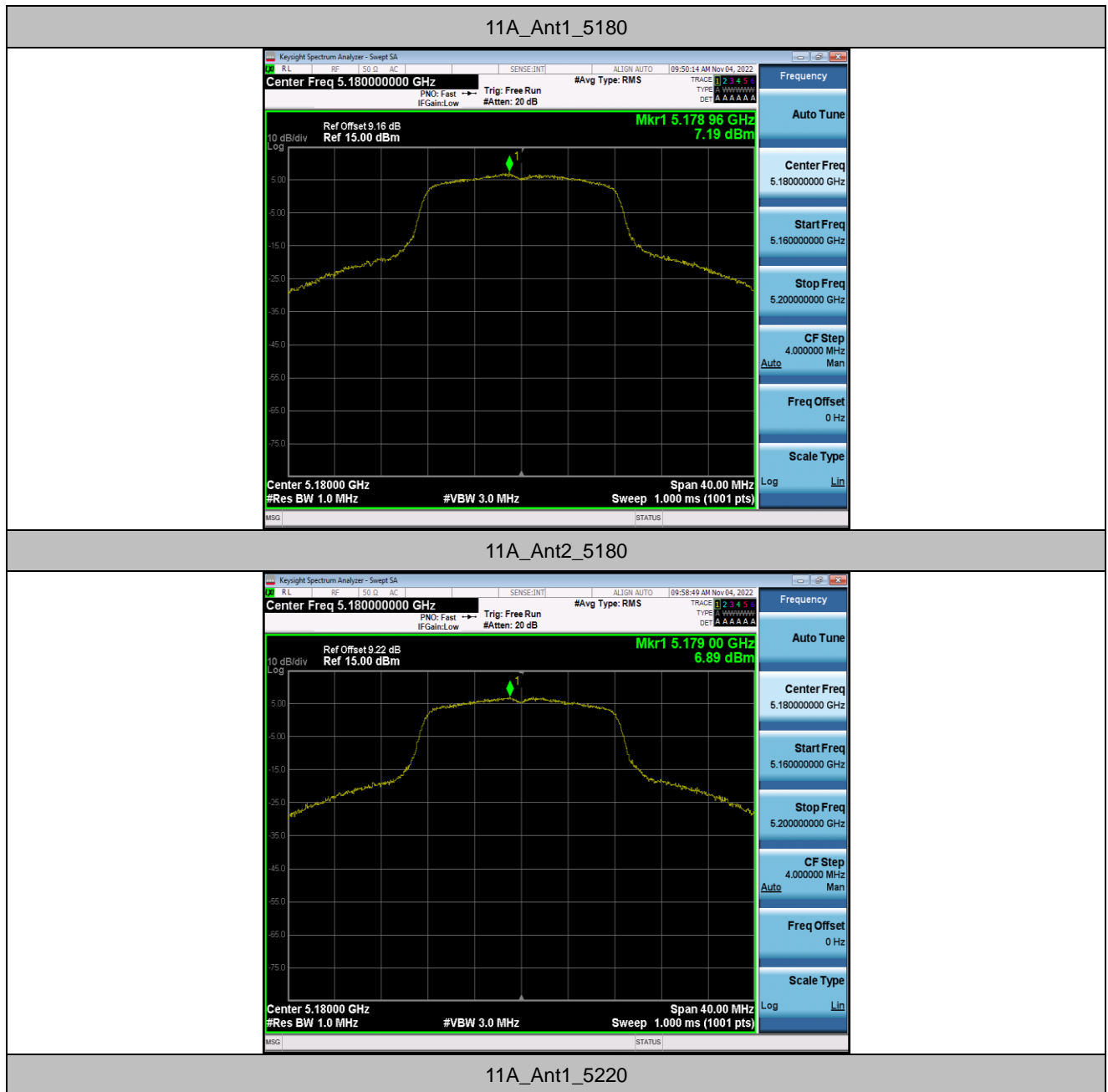
	Ant1	5745	90.67	0.43	---	-0.08	0.19	30	0.21	---	PAS S
	Ant2	5745	90.67	0.43	---	0.54	0.81	30	0.83	---	PAS S
	total	5745	90.67	0.43	---	---	3.52	30	3.54	---	PAS S
	Ant1	5785	90.67	0.43	---	0.13	0.40	30	0.42	---	PAS S
	Ant2	5785	90.67	0.43	---	0.41	0.68	30	0.70	---	PAS S
	total	5785	90.67	0.43	---	---	3.55	30	3.57	---	PAS S
	Ant1	5825	90.67	0.43	---	0.23	0.50	30	0.52	---	PAS S
	Ant2	5825	90.67	0.43	---	0.77	1.04	30	1.06	---	PAS S
	total	5825	90.67	0.43	---	---	3.79	30	3.81	---	PAS S
11AC40 MIMO	Ant1	5190	85.37	0.69	1.55	---	---	---	1.57	≤10	PAS S
	Ant2	5190	85.37	0.69	2.74	---	---	---	2.76	≤10	PAS S
	total	5190	85.37	0.69	5.2	---	---	---	5.22	≤10	PAS S
	Ant1	5230	85.37	0.69	2.02	---	---	---	2.04	≤10	PAS S
	Ant2	5230	85.37	0.69	2.76	---	---	---	2.78	≤10	PAS S
	total	5230	85.37	0.69	5.42	---	---	---	5.44	≤10	PAS S
	Ant1	5755	85.37	0.69	---	-5.28	-5.01	30	-4.99	---	PAS S
	Ant2	5755	85.37	0.69	---	-4.65	-4.38	30	-4.36	---	PAS S
	total	5755	85.37	0.69	---	---	-1.67	30	-1.65	---	PAS S

	Ant1	5795	85.37	0.69	---	-4.85	-4.58	30	-4.56	---	PAS S
	Ant2	5795	85.37	0.69	---	-4.59	-4.32	30	-4.30	---	PAS S
	total	5795	85.37	0.69	---	---	-1.44	30	-1.42	---	PAS S
11AC80 MIMO	Ant1	5210	75	1.25	-1.28	---	---	---	-1.26	≤10	PAS S
	Ant2	5210	75	1.25	-0.04	---	---	---	-0.02	≤10	PAS S
	total	5210	75	1.25	2.39	---	---	---	2.41	≤10	PAS S
	Ant1	5775	75	1.25	---	-7.42	-7.15	30	-7.13	---	PAS S
	Ant2	5775	75	1.25	---	-6.69	-6.42	30	-6.40	---	PAS S
	total	5775	75	1.25	---	---	-3.76	30	-3.74	---	PAS S

Note : The Duty Cycle Factor is compensated in the graph.



Test Graphs





11A\_Ant2\_5220



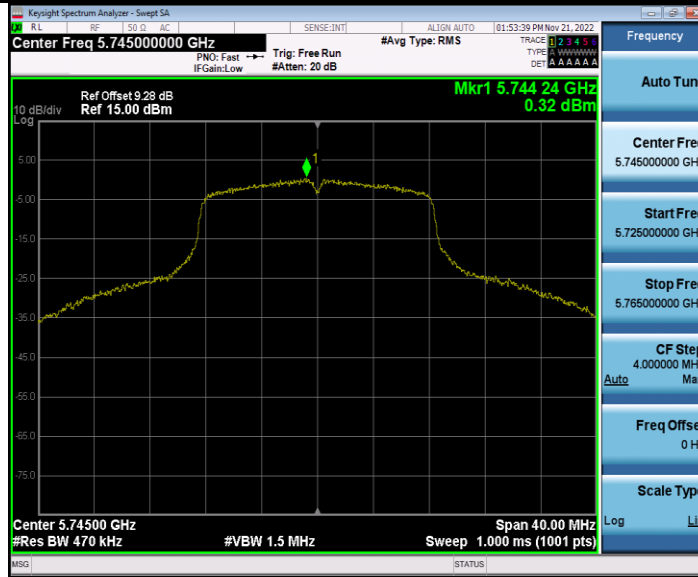
11A\_Ant1\_5240



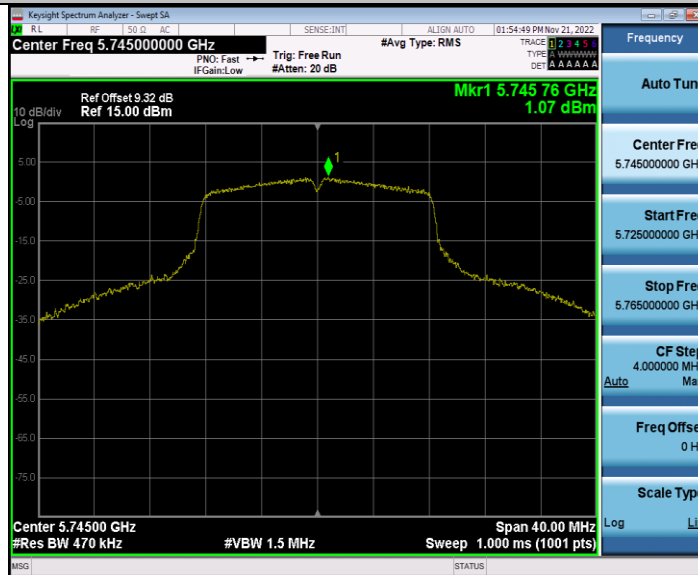
11A\_Ant2\_5240



11A\_Ant1\_5745



11A\_Ant2\_5745



11A\_Ant1\_5785



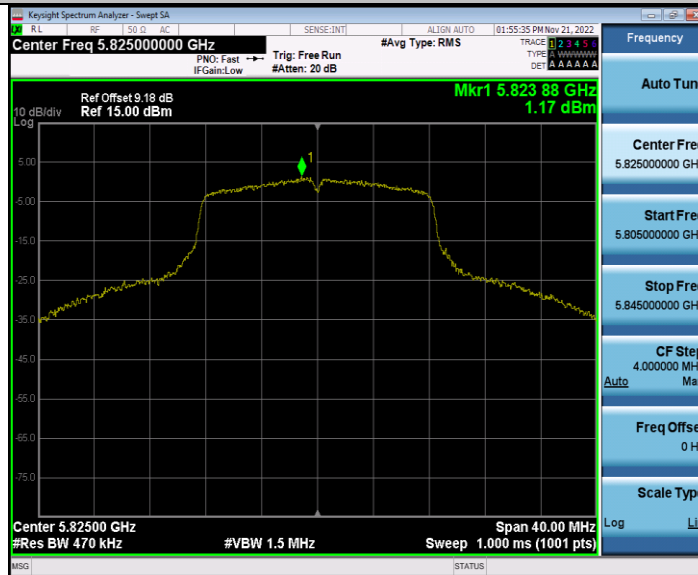
11A\_Ant2\_5785



11A\_Ant1\_5825



11A\_Ant2\_5825



11N20MIMO\_Ant1\_5180



11N20MIMO\_Ant2\_5180



11N20MIMO\_Ant1\_5220

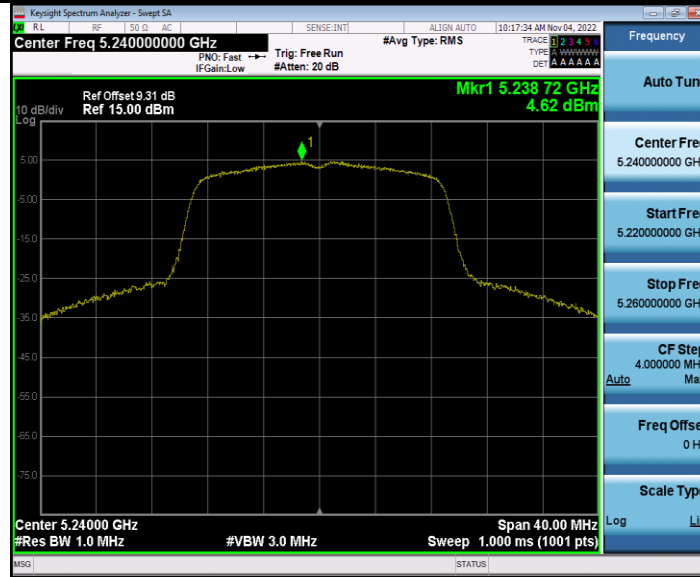


11N20MIMO\_Ant2\_5220



11N20MIMO\_Ant1\_5240





11N20MIMO\_Ant2\_5240



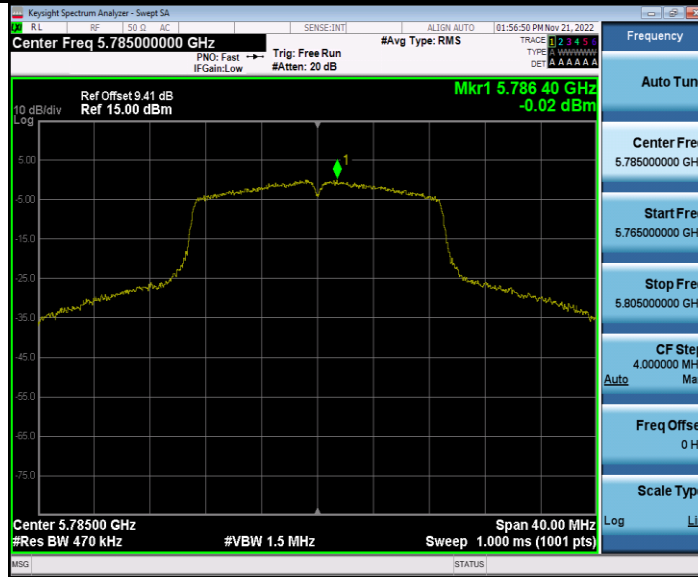
11N20MIMO\_Ant1\_5745



11N20MIMO\_Ant2\_5745



11N20MIMO\_Ant1\_5785



11N20MIMO\_Ant2\_5785



11N20MIMO\_Ant1\_5825



11N20MIMO\_Ant2\_5825



11N40MIMO\_Ant1\_5190



11N40MIMO\_Ant2\_5190



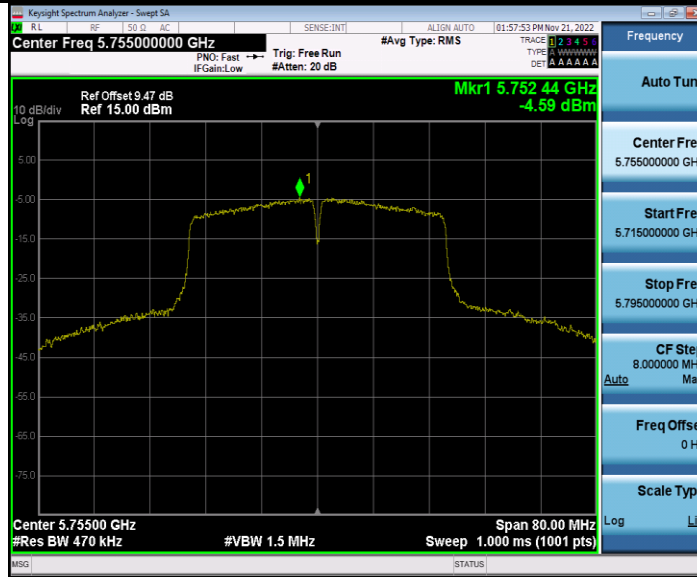
11N40MIMO\_Ant1\_5230



11N40MIMO\_Ant2\_5230



11N40MIMO\_Ant1\_5755



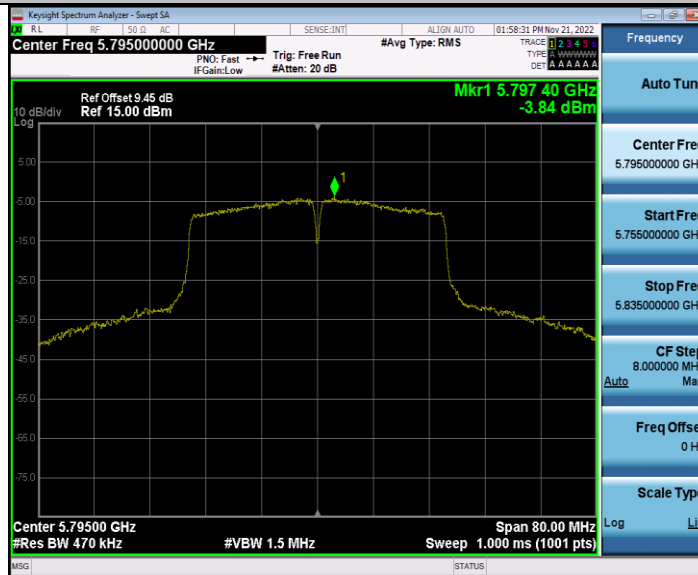
11N40MIMO\_Ant2\_5755



11N40MIMO\_Ant1\_5795

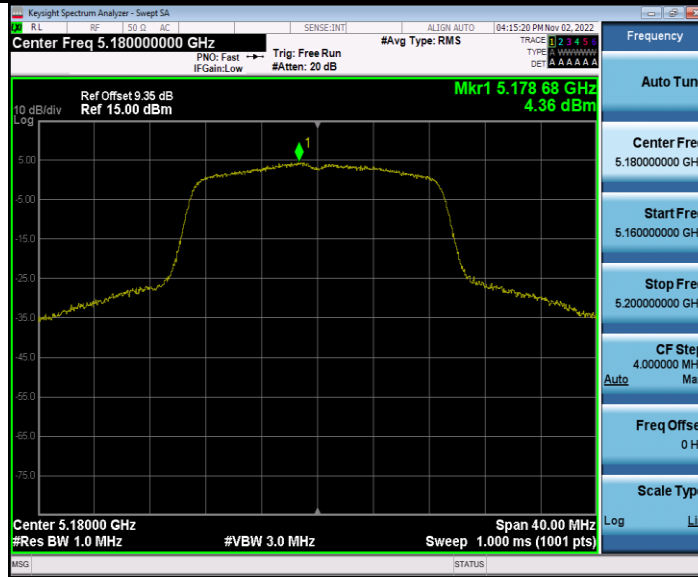


11N40MIMO\_Ant2\_5795



11AC20MIMO\_Ant1\_5180

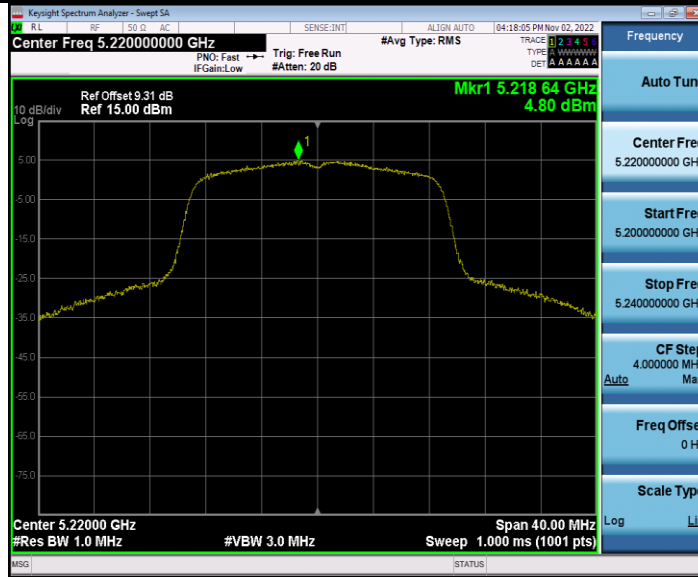




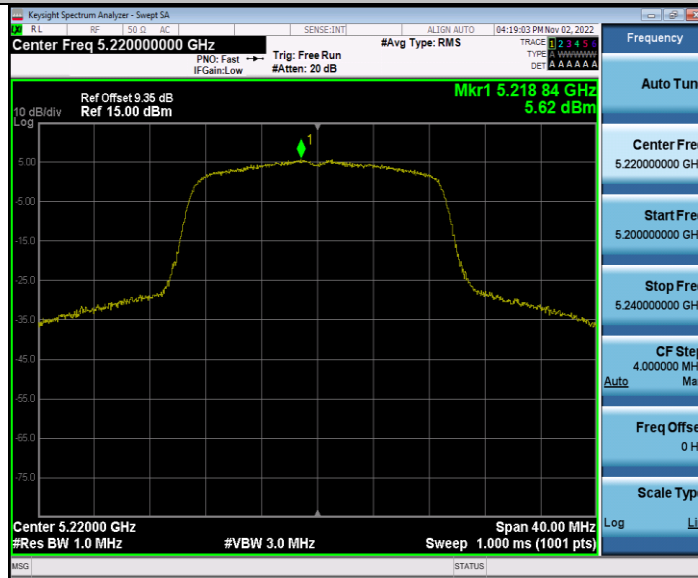
11AC20MIMO\_Ant2\_5180



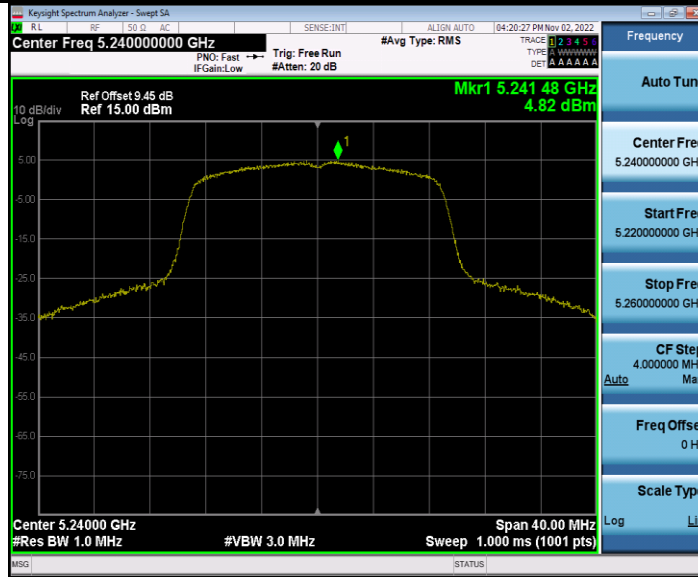
11AC20MIMO\_Ant1\_5220



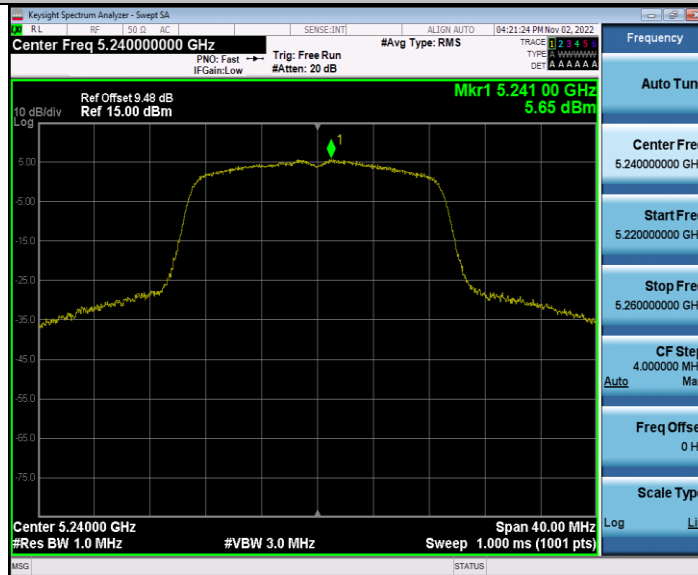
11AC20MIMO\_Ant2\_5220



11AC20MIMO\_Ant1\_5240



11AC20MIMO\_Ant2\_5240



11AC20MIMO\_Ant1\_5745



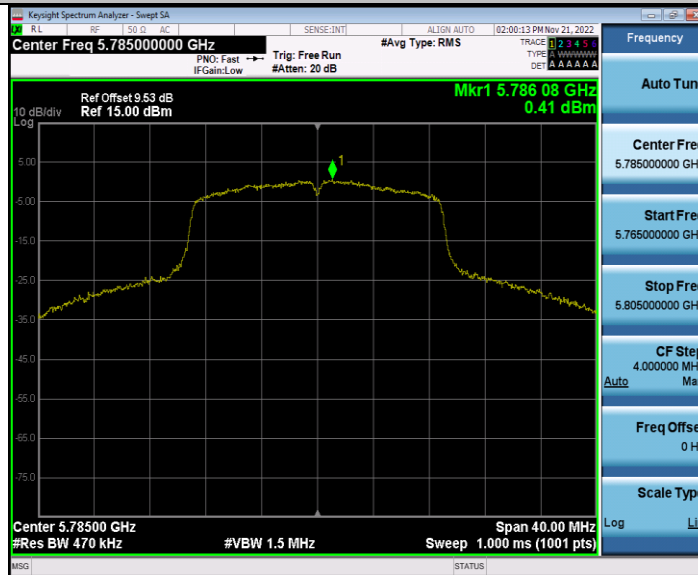
11AC20MIMO\_Ant2\_5745



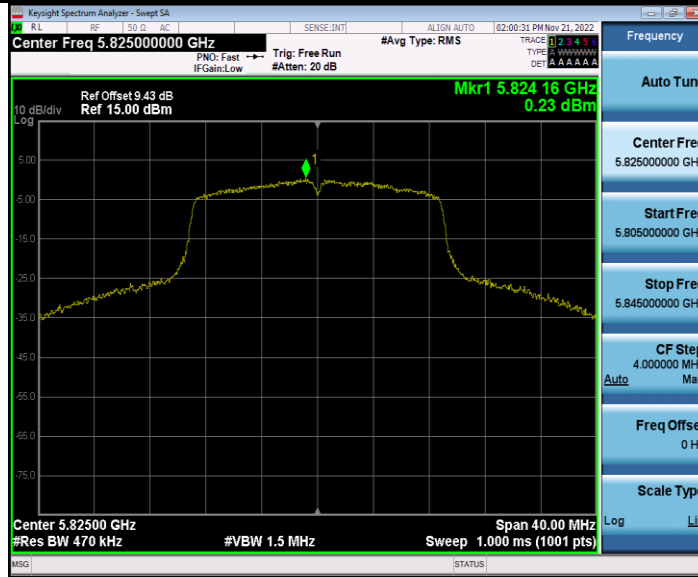
11AC20MIMO\_Ant1\_5785



11AC20MIMO\_Ant2\_5785



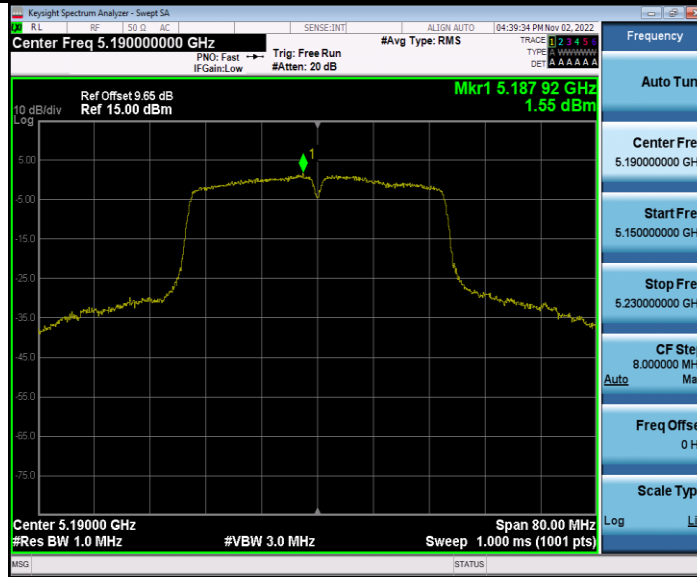
11AC20MIMO\_Ant1\_5825



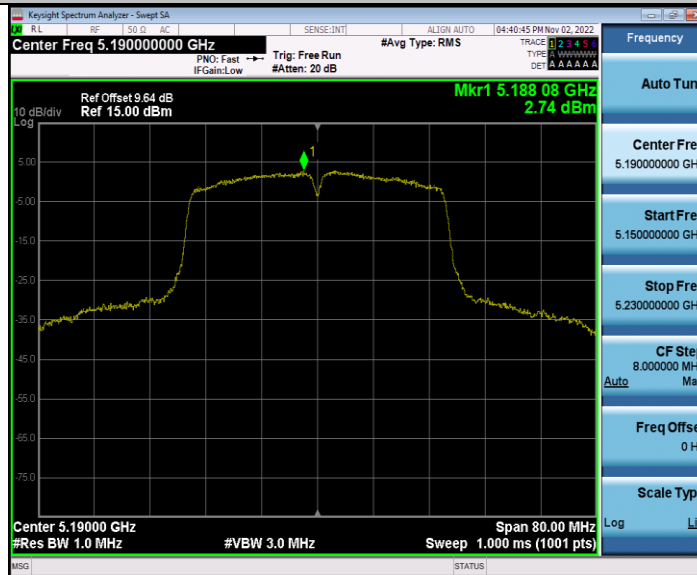
11AC20MIMO\_Ant2\_5825



11AC40MIMO\_Ant1\_5190



11AC40MIMO\_Ant2\_5190



11AC40MIMO\_Ant1\_5230



11AC40MIMO\_Ant2\_5230

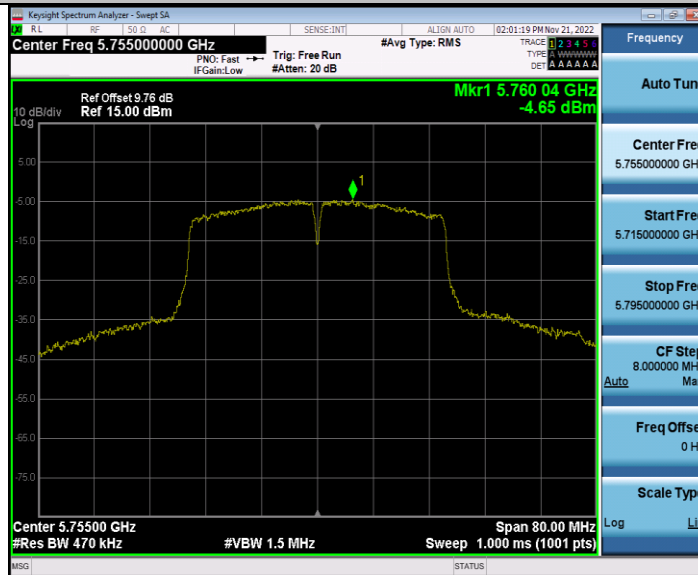


11AC40MIMO\_Ant1\_5755





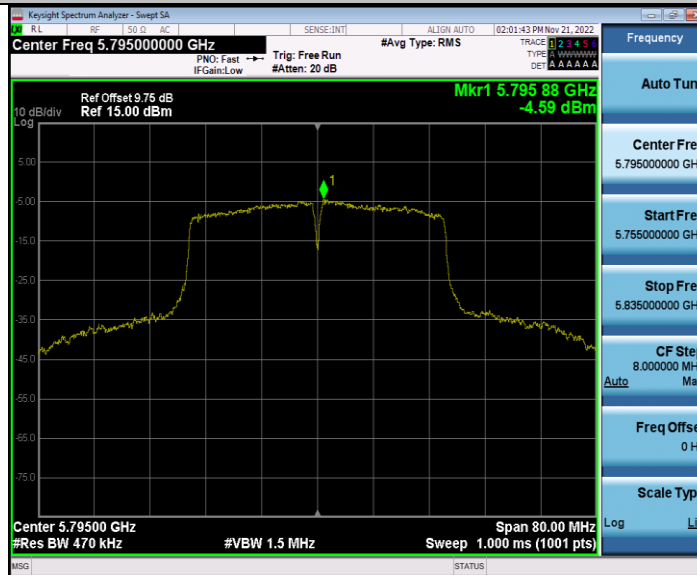
11AC40MIMO\_Ant2\_5755



11AC40MIMO\_Ant1\_5795



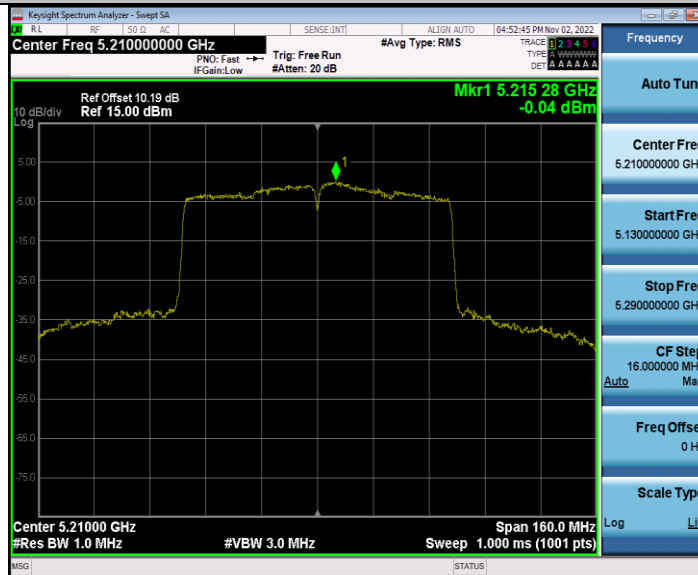
11AC40MIMO\_Ant2\_5795



11AC80MIMO\_Ant1\_5210



11AC80MIMO\_Ant2\_5210



11AC80MIMO\_Ant1\_5775