

**Appendix B: Maximum conducted Average output power****Test Result**

5150 MHz – 5250 MHz

Test Mode	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11A	5180	Ant1	16.06	<=23.98	PASS
		Ant2	16.04	<=23.98	PASS
	5200	Ant1	16.18	<=23.98	PASS
		Ant2	16.00	<=23.98	PASS
	5240	Ant1	16.22	<=23.98	PASS
		Ant2	<b>16.80</b>	<=23.98	PASS
11N20MIMO	5180	Ant1	16.60	<=23.98	PASS
		Ant2	16.56	<=23.98	PASS
		Total	<b>19.59</b>	<=23.98	PASS
	5200	Ant1	16.78	<=23.98	PASS
		Ant2	16.13	<=23.98	PASS
		Total	19.48	<=23.98	PASS
	5240	Ant1	16.63	<=23.98	PASS
		Ant2	16.22	<=23.98	PASS
		Total	19.44	<=23.98	PASS
11N40MIMO	5190	Ant1	16.17	<=23.98	PASS
		Ant2	16.06	<=23.98	PASS
		Total	19.13	<=23.98	PASS
	5230	Ant1	16.92	<=23.98	PASS
		Ant2	16.57	<=23.98	PASS
		Total	<b>19.76</b>	<=23.98	PASS
11AC20MIMO	5180	Ant1	16.04	<=23.98	PASS
		Ant2	16.66	<=23.98	PASS
		Total	19.37	<=23.98	PASS
	5200	Ant1	16.25	<=23.98	PASS
		Ant2	16.97	<=23.98	PASS
		Total	<b>19.64</b>	<=23.98	PASS
	5240	Ant1	16.17	<=23.98	PASS
		Ant2	16.65	<=23.98	PASS
		Total	19.43	<=23.98	PASS
11AC40MIMO	5190	Ant1	16.99	<=23.98	PASS
		Ant2	16.99	<=23.98	PASS
		Total	<b>20.00</b>	<=23.98	PASS
	5230	Ant1	16.58	<=23.98	PASS
		Ant2	17.11	<=23.98	PASS
		Total	19.86	<=23.98	PASS
11AC80MIMO	5210	Ant1	17.76	<=23.98	PASS
		Ant2	18.78	<=23.98	PASS
		Total	<b>21.31</b>	<=23.98	PASS

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX20MIMO	26	0	5180	Ant1	15.61	<=23.98	PASS
				Ant2	15.35	<=23.98	PASS
				Total	18.49	<=23.98	PASS
			5200	Ant1	15.82	<=23.98	PASS
				Ant2	14.97	<=23.98	PASS
				Total	18.43	<=23.98	PASS
			5240	Ant1	15.81	<=23.98	PASS
				Ant2	14.77	<=23.98	PASS
				Total	18.33	<=23.98	PASS
	52	37	5180	Ant1	15.57	<=23.98	PASS
				Ant2	15.34	<=23.98	PASS
				Total	18.47	<=23.98	PASS
			5200	Ant1	15.72	<=23.98	PASS
				Ant2	15.24	<=23.98	PASS
				Total	18.50	<=23.98	PASS
			5240	Ant1	15.77	<=23.98	PASS
				Ant2	14.98	<=23.98	PASS
				Total	18.40	<=23.98	PASS
	106	53	5180	Ant1	16.89	<=23.98	PASS
				Ant2	15.54	<=23.98	PASS
				Total	19.28	<=23.98	PASS
			5200	Ant1	16.62	<=23.98	PASS
				Ant2	15.54	<=23.98	PASS
				Total	19.12	<=23.98	PASS
			5240	Ant1	16.57	<=23.98	PASS
				Ant2	15.22	<=23.98	PASS
				Total	18.96	<=23.98	PASS
242	Full	5180	Ant1	16.50	<=23.98	PASS	
			Ant2	15.74	<=23.98	PASS	
			Total	19.15	<=23.98	PASS	
		5200	Ant1	16.86	<=23.98	PASS	
			Ant2	16.02	<=23.98	PASS	
			Total	19.47	<=23.98	PASS	
		5240	Ant1	17.11	<=23.98	PASS	
			Ant2	15.91	<=23.98	PASS	
			Total	<b>19.56</b>	<=23.98	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX40MIMO	26	0	5190	Ant1	16.52	<=23.98	PASS
				Ant2	14.77	<=23.98	PASS
				Total	18.74	<=23.98	PASS
			5230	Ant1	16.17	<=23.98	PASS
				Ant2	14.65	<=23.98	PASS
				Total	18.49	<=23.98	PASS
	52	37	5190	Ant1	16.48	<=23.98	PASS
				Ant2	14.72	<=23.98	PASS
				Total	18.70	<=23.98	PASS
			5230	Ant1	16.04	<=23.98	PASS
				Ant2	15.12	<=23.98	PASS
				Total	18.61	<=23.98	PASS
	106	53	5190	Ant1	16.92	<=23.98	PASS
				Ant2	15.67	<=23.98	PASS
				Total	19.35	<=23.98	PASS
			5230	Ant1	16.67	<=23.98	PASS
				Ant2	15.55	<=23.98	PASS
				Total	19.16	<=23.98	PASS
	242	61	5190	Ant1	17.20	<=23.98	PASS
				Ant2	15.63	<=23.98	PASS
				Total	19.50	<=23.98	PASS
			5230	Ant1	16.75	<=23.98	PASS
				Ant2	15.43	<=23.98	PASS
				Total	19.15	<=23.98	PASS
484	Full	5190	Ant1	17.60	<=23.98	PASS	
			Ant2	16.55	<=23.98	PASS	
			Total	20.12	<=23.98	PASS	
		5230	Ant1	17.84	<=23.98	PASS	
			Ant2	16.64	<=23.98	PASS	
			Total	<b>20.29</b>	<=23.98	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX80MIMO	26	0	5210	Ant1	16.83	<=23.98	PASS
				Ant2	16.10	<=23.98	PASS
				Total	19.49	<=23.98	PASS
	52	37	5210	Ant1	17.12	<=23.98	PASS
				Ant2	16.65	<=23.98	PASS
				Total	19.90	<=23.98	PASS
	106	53	5210	Ant1	18.07	<=23.98	PASS
				Ant2	16.51	<=23.98	PASS
				Total	20.37	<=23.98	PASS
	242	61	5210	Ant1	18.10	<=23.98	PASS
				Ant2	17.11	<=23.98	PASS
				Total	20.64	<=23.98	PASS
	484	65	5210	Ant1	18.48	<=23.98	PASS
				Ant2	17.67	<=23.98	PASS
				Total	21.10	<=23.98	PASS
	996	Full	5210	Ant1	18.79	<=23.98	PASS
				Ant2	17.93	<=23.98	PASS
				Total	<b>21.39</b>	<=23.98	PASS

Note 1: The Duty Cycle Factor is compensated in the Result.

Note 2: The device is a master and client device, and the tighter limit applies in the table.

Note 3: The maximum antenna gain is 3.62 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0dB (i.e., no array gain) For  $N_{ANT} \leq 4$ ;

So: Directional gain=3.62dBi <6dBi

5725 – 5850 MHz:

Test Mode	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11A	5745	Ant1	14.96	<=30	PASS
		Ant2	13.97	<=30	PASS
	5785	Ant1	14.49	<=30	PASS
		Ant2	14.06	<=30	PASS
	5825	Ant1	<b>15.12</b>	<=30	PASS
		Ant2	14.30	<=30	PASS
11N20MIMO	5745	Ant1	14.24	<=30	PASS
		Ant2	14.36	<=30	PASS
		Total	<b>17.31</b>	<=30	PASS
	5785	Ant1	13.96	<=30	PASS
		Ant2	14.50	<=30	PASS
		Total	17.25	<=30	PASS
	5825	Ant1	14.48	<=30	PASS
		Ant2	13.78	<=30	PASS
		Total	17.15	<=30	PASS
11N40MIMO	5755	Ant1	14.61	<=30	PASS
		Ant2	14.88	<=30	PASS
		Total	<b>17.76</b>	<=30	PASS
	5795	Ant1	14.29	<=30	PASS
		Ant2	14.77	<=30	PASS
		Total	17.55	<=30	PASS
11AC20MIMO	5745	Ant1	14.98	<=30	PASS
		Ant2	14.11	<=30	PASS
		Total	17.58	<=30	PASS
	5785	Ant1	14.63	<=30	PASS
		Ant2	14.09	<=30	PASS
		Total	17.38	<=30	PASS
	5825	Ant1	15.10	<=30	PASS
		Ant2	14.42	<=30	PASS
		Total	<b>17.78</b>	<=30	PASS
11AC40MIMO	5755	Ant1	15.17	<=30	PASS
		Ant2	15.35	<=30	PASS
		Total	18.27	<=30	PASS
	5795	Ant1	15.81	<=30	PASS
		Ant2	15.05	<=30	PASS
		Total	<b>18.46</b>	<=30	PASS
11AC80MIMO	5775	Ant1	16.33	<=30	PASS
		Ant2	16.10	<=30	PASS
		Total	<b>19.23</b>	<=30	PASS

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX20MIMO	26	0	5745	Ant1	15.09	<=30	PASS
				Ant2	13.95	<=30	PASS
				Total	17.57	<=30	PASS
			5785	Ant1	14.63	<=30	PASS
				Ant2	13.50	<=30	PASS
				Total	17.11	<=30	PASS
			5825	Ant1	15.10	<=30	PASS
				Ant2	13.75	<=30	PASS
				Total	17.49	<=30	PASS
	52	37	5745	Ant1	14.83	<=30	PASS
				Ant2	13.99	<=30	PASS
				Total	17.44	<=30	PASS
			5785	Ant1	14.64	<=30	PASS
				Ant2	13.93	<=30	PASS
				Total	17.31	<=30	PASS
			5825	Ant1	15.20	<=30	PASS
				Ant2	14.07	<=30	PASS
				Total	17.68	<=30	PASS
	106	53	5745	Ant1	15.58	<=30	PASS
				Ant2	14.64	<=30	PASS
				Total	18.15	<=30	PASS
			5785	Ant1	15.34	<=30	PASS
				Ant2	14.19	<=30	PASS
				Total	17.81	<=30	PASS
			5825	Ant1	15.34	<=30	PASS
				Ant2	14.68	<=30	PASS
				Total	18.03	<=30	PASS
	242	Full	5745	Ant1	15.70	<=30	PASS
				Ant2	15.98	<=30	PASS
				Total	<b>18.85</b>	<=30	PASS
5785			Ant1	15.38	<=30	PASS	
			Ant2	15.83	<=30	PASS	
			Total	18.62	<=30	PASS	
5825			Ant1	16.03	<=30	PASS	
			Ant2	15.59	<=30	PASS	
			Total	18.83	<=30	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX40MIMO	26	0	5755	Ant1	14.67	<=30	PASS
				Ant2	13.96	<=30	PASS
				Total	17.34	<=30	PASS
			5795	Ant1	14.29	<=30	PASS
				Ant2	14.25	<=30	PASS
				Total	17.28	<=30	PASS
	52	37	5755	Ant1	14.53	<=30	PASS
				Ant2	14.20	<=30	PASS
				Total	17.38	<=30	PASS
			5795	Ant1	14.80	<=30	PASS
				Ant2	14.62	<=30	PASS
				Total	17.72	<=30	PASS
	106	53	5755	Ant1	15.09	<=30	PASS
				Ant2	14.60	<=30	PASS
				Total	17.86	<=30	PASS
			5795	Ant1	15.34	<=30	PASS
				Ant2	14.36	<=30	PASS
				Total	17.89	<=30	PASS
	242	61	5755	Ant1	15.86	<=30	PASS
				Ant2	15.50	<=30	PASS
				Total	18.69	<=30	PASS
			5795	Ant1	16.11	<=30	PASS
				Ant2	15.82	<=30	PASS
				Total	18.98	<=30	PASS
484	Full	5755	Ant1	16.53	<=30	PASS	
			Ant2	16.35	<=30	PASS	
			Total	19.45	<=30	PASS	
		5795	Ant1	16.06	<=30	PASS	
			Ant2	16.80	<=30	PASS	
			Total	<b>19.46</b>	<=30	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX80MIMO	26	0	5775	Ant1	16.59	<=30	PASS
				Ant2	15.46	<=30	PASS
				Total	19.07	<=30	PASS
	52	37	5775	Ant1	16.67	<=30	PASS
				Ant2	15.37	<=30	PASS
				Total	19.08	<=30	PASS
	106	53	5775	Ant1	16.73	<=30	PASS
				Ant2	16.82	<=30	PASS
				Total	19.79	<=30	PASS
	242	61	5775	Ant1	17.49	<=30	PASS
				Ant2	16.95	<=30	PASS
				Total	20.24	<=30	PASS
	484	65	5775	Ant1	17.74	<=30	PASS
				Ant2	17.20	<=30	PASS
				Total	20.49	<=30	PASS
996	Full	5775	Ant1	18.31	<=30	PASS	
			Ant2	18.23	<=30	PASS	
			Total	<b>21.28</b>	<=30	PASS	

Note 1: The Duty Cycle Factor is compensated in the Result.

Note 2: The device is a master and client device, and the tighter limit applies in the table.

Note 3: The maximum antenna gain is 3.52 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0dB (i.e., no array gain) For  $N_{ANT} \leq 4$ ;

So: Directional gain=3.52dBi <6dBi



**Appendix C: Maximum power spectral density****Test Result**

5150 MHz – 5250 MHz

Test Mode	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11A	5180	Ant1	7.95	<=11	PASS
		Ant2	7.91	<=11	PASS
	5200	Ant1	8.76	<=11	PASS
		Ant2	7.40	<=11	PASS
	5240	Ant1	9.61	<=11	PASS
		Ant2	8.17	<=11	PASS
11N20MIMO	5180	Ant1	5.11	<=10.37	PASS
		Ant2	4.70	<=10.37	PASS
		Total	7.92	<=10.37	PASS
	5200	Ant1	5.62	<=10.37	PASS
		Ant2	5.67	<=10.37	PASS
		Total	8.66	<=10.37	PASS
	5240	Ant1	6.59	<=10.37	PASS
		Ant2	5.61	<=10.37	PASS
		Total	9.14	<=10.37	PASS
11N40MIMO	5190	Ant1	2.03	<=10.37	PASS
		Ant2	2.22	<=10.37	PASS
		Total	5.14	<=10.37	PASS
	5230	Ant1	4.70	<=10.37	PASS
		Ant2	3.20	<=10.37	PASS
		Total	7.02	<=10.37	PASS
11AC20MIMO	5180	Ant1	6.24	<=10.37	PASS
		Ant2	5.93	<=10.37	PASS
		Total	9.10	<=10.37	PASS
	5200	Ant1	6.69	<=10.37	PASS
		Ant2	6.57	<=10.37	PASS
		Total	9.64	<=10.37	PASS
	5240	Ant1	6.77	<=10.37	PASS
		Ant2	6.81	<=10.37	PASS
		Total	9.80	<=10.37	PASS
11AC40MIMO	5190	Ant1	5.91	<=10.37	PASS
		Ant2	6.19	<=10.37	PASS
		Total	9.06	<=10.37	PASS
	5230	Ant1	7.25	<=10.37	PASS
		Ant2	6.77	<=10.37	PASS
		Total	10.03	<=10.37	PASS
11AC80MIMO	5210	Ant1	4.04	<=10.37	PASS
		Ant2	3.03	<=10.37	PASS
		Total	6.57	<=10.37	PASS

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX20MIMO	26	0	5180	Ant1	5.08	<=10.37	PASS
				Ant2	6.21	<=10.37	PASS
				Total	8.69	<=10.37	PASS
			5200	Ant1	6.26	<=10.37	PASS
				Ant2	7.17	<=10.37	PASS
				Total	9.75	<=10.37	PASS
			5240	Ant1	6.33	<=10.37	PASS
				Ant2	6.76	<=10.37	PASS
				Total	9.56	<=10.37	PASS
	52	37	5180	Ant1	5.73	<=10.37	PASS
				Ant2	4.95	<=10.37	PASS
				Total	8.37	<=10.37	PASS
			5200	Ant1	5.83	<=10.37	PASS
				Ant2	6.21	<=10.37	PASS
				Total	9.03	<=10.37	PASS
			5240	Ant1	6.56	<=10.37	PASS
				Ant2	6.85	<=10.37	PASS
				Total	9.72	<=10.37	PASS
	106	53	5180	Ant1	6.08	<=10.37	PASS
				Ant2	6.47	<=10.37	PASS
				Total	9.29	<=10.37	PASS
			5200	Ant1	6.10	<=10.37	PASS
				Ant2	5.82	<=10.37	PASS
				Total	8.97	<=10.37	PASS
5240			Ant1	6.46	<=10.37	PASS	
			Ant2	6.07	<=10.37	PASS	
			Total	9.28	<=10.37	PASS	
242	Full	5180	Ant1	6.61	<=10.37	PASS	
			Ant2	5.36	<=10.37	PASS	
			Total	9.04	<=10.37	PASS	
		5200	Ant1	6.87	<=10.37	PASS	
			Ant2	5.99	<=10.37	PASS	
			Total	9.46	<=10.37	PASS	
		5240	Ant1	6.95	<=10.37	PASS	
			Ant2	6.61	<=10.37	PASS	
			Total	9.79	<=10.37	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX40MIMO	26	0	5190	Ant1	2.58	<=10.37	PASS
				Ant2	0.89	<=10.37	PASS
				Total	4.83	<=10.37	PASS
			5230	Ant1	4.24	<=10.37	PASS
				Ant2	5.69	<=10.37	PASS
				Total	8.04	<=10.37	PASS
	52	37	5190	Ant1	3.51	<=10.37	PASS
				Ant2	2.83	<=10.37	PASS
				Total	6.19	<=10.37	PASS
			5230	Ant1	4.02	<=10.37	PASS
				Ant2	2.56	<=10.37	PASS
				Total	6.36	<=10.37	PASS
	106	53	5190	Ant1	3.99	<=10.37	PASS
				Ant2	4.13	<=10.37	PASS
				Total	7.07	<=10.37	PASS
			5230	Ant1	5.87	<=10.37	PASS
				Ant2	5.15	<=10.37	PASS
				Total	8.54	<=10.37	PASS
	242	61	5190	Ant1	5.10	<=10.37	PASS
				Ant2	6.90	<=10.37	PASS
				Total	9.10	<=10.37	PASS
			5230	Ant1	6.51	<=10.37	PASS
				Ant2	6.62	<=10.37	PASS
				Total	9.58	<=10.37	PASS
484	Full	5190	Ant1	4.64	<=10.37	PASS	
			Ant2	4.62	<=10.37	PASS	
			Total	7.64	<=10.37	PASS	
		5230	Ant1	5.92	<=10.37	PASS	
			Ant2	5.56	<=10.37	PASS	
			Total	8.75	<=10.37	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX80MIMO	26	0	5210	Ant1	2.31	<=10.37	PASS
				Ant2	2.10	<=10.37	PASS
				Total	5.22	<=10.37	PASS
	52	37	5210	Ant1	3.29	<=10.37	PASS
				Ant2	4.41	<=10.37	PASS
				Total	6.90	<=10.37	PASS
	106	53	5210	Ant1	3.86	<=10.37	PASS
				Ant2	3.42	<=10.37	PASS
				Total	6.66	<=10.37	PASS
	242	61	5210	Ant1	5.32	<=10.37	PASS
				Ant2	5.64	<=10.37	PASS
				Total	8.49	<=10.37	PASS
	484	65	5210	Ant1	6.30	<=10.37	PASS
				Ant2	6.73	<=10.37	PASS
				Total	9.53	<=10.37	PASS
996	Full	5210	Ant1	6.62	<=10.37	PASS	
			Ant2	6.79	<=10.37	PASS	
			Total	9.72	<=10.37	PASS	

Note 1: The Duty Cycle Factor is compensated in the graph.

Note 2: The maximum antenna gain is 3.62 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices

$$\text{Array Gain} = 10 \log(N_{\text{ANT}}/N_{\text{ss}})\text{dB}$$

So:

Directional gain= $G_{\text{ANT}} + \text{Array Gain} = 3.62 + 10 * \log(2/1) = 6.63\text{dBi} > 6\text{dBi}$ , the limit should be reduce  $(6.63 - 6)\text{dB} = 0.63\text{dB}$

5725 – 5850 MHz

Test Mode	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11A	5745	Ant1	8.17	<=30	PASS
		Ant2	8.28	<=30	PASS
	5785	Ant1	8.30	<=30	PASS
		Ant2	8.25	<=30	PASS
	5825	Ant1	8.17	<=30	PASS
		Ant2	7.09	<=30	PASS
11N20MIMO	5745	Ant1	7.76	<=29.47	PASS
		Ant2	6.68	<=29.47	PASS
		Total	10.26	<=29.47	PASS
	5785	Ant1	6.86	<=29.47	PASS
		Ant2	6.80	<=29.47	PASS
		Total	9.84	<=29.47	PASS
	5825	Ant1	7.11	<=29.47	PASS
		Ant2	5.25	<=29.47	PASS
		Total	9.29	<=29.47	PASS
11N40MIMO	5755	Ant1	5.20	<=29.47	PASS
		Ant2	4.28	<=29.47	PASS
		Total	7.77	<=29.47	PASS
	5795	Ant1	5.21	<=29.47	PASS
		Ant2	5.15	<=29.47	PASS
		Total	8.19	<=29.47	PASS
11AC20MIMO	5745	Ant1	7.90	<=29.47	PASS
		Ant2	8.69	<=29.47	PASS
		Total	11.32	<=29.47	PASS
	5785	Ant1	7.72	<=29.47	PASS
		Ant2	8.06	<=29.47	PASS
		Total	10.90	<=29.47	PASS
	5825	Ant1	7.02	<=29.47	PASS
		Ant2	7.13	<=29.47	PASS
		Total	10.09	<=29.47	PASS
11AC40MIMO	5755	Ant1	5.17	<=29.47	PASS
		Ant2	6.42	<=29.47	PASS
		Total	8.85	<=29.47	PASS
	5795	Ant1	5.10	<=29.47	PASS
		Ant2	6.37	<=29.47	PASS
		Total	8.79	<=29.47	PASS
11AC80MIMO	5775	Ant1	4.79	<=29.47	PASS
		Ant2	5.76	<=29.47	PASS
		Total	8.31	<=29.47	PASS

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX20MIMO	26	0	5745	Ant1	7.65	<=29.47	PASS
				Ant2	9.82	<=29.47	PASS
				Total	11.88	<=29.47	PASS
			5785	Ant1	7.84	<=29.47	PASS
				Ant2	9.09	<=29.47	PASS
				Total	11.52	<=29.47	PASS
			5825	Ant1	7.75	<=29.47	PASS
				Ant2	7.40	<=29.47	PASS
				Total	10.59	<=29.47	PASS
	52	37	5745	Ant1	8.68	<=29.47	PASS
				Ant2	9.35	<=29.47	PASS
				Total	12.04	<=29.47	PASS
			5785	Ant1	8.67	<=29.47	PASS
				Ant2	8.67	<=29.47	PASS
				Total	11.68	<=29.47	PASS
			5825	Ant1	7.82	<=29.47	PASS
				Ant2	7.06	<=29.47	PASS
				Total	10.47	<=29.47	PASS
	106	53	5745	Ant1	9.03	<=29.47	PASS
				Ant2	9.55	<=29.47	PASS
				Total	12.31	<=29.47	PASS
			5785	Ant1	8.78	<=29.47	PASS
				Ant2	8.28	<=29.47	PASS
				Total	11.55	<=29.47	PASS
			5825	Ant1	8.71	<=29.47	PASS
				Ant2	6.65	<=29.47	PASS
				Total	10.81	<=29.47	PASS
	242	Full	5745	Ant1	8.58	<=29.47	PASS
				Ant2	9.25	<=29.47	PASS
				Total	11.94	<=29.47	PASS
5785			Ant1	8.22	<=29.47	PASS	
			Ant2	8.80	<=29.47	PASS	
			Total	11.53	<=29.47	PASS	
5825			Ant1	6.96	<=29.47	PASS	
			Ant2	7.99	<=29.47	PASS	
			Total	10.52	<=29.47	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX40MIMO	26	0	5755	Ant1	8.88	<=29.47	PASS
				Ant2	7.72	<=29.47	PASS
				Total	11.35	<=29.47	PASS
			5795	Ant1	9.13	<=29.47	PASS
				Ant2	8.80	<=29.47	PASS
				Total	11.98	<=29.47	PASS
	52	37	5755	Ant1	7.81	<=29.47	PASS
				Ant2	8.37	<=29.47	PASS
				Total	11.11	<=29.47	PASS
			5795	Ant1	7.71	<=29.47	PASS
				Ant2	8.04	<=29.47	PASS
				Total	10.89	<=29.47	PASS
	106	53	5755	Ant1	8.73	<=29.47	PASS
				Ant2	9.59	<=29.47	PASS
				Total	12.19	<=29.47	PASS
			5795	Ant1	8.82	<=29.47	PASS
				Ant2	9.25	<=29.47	PASS
				Total	12.05	<=29.47	PASS
	242	61	5755	Ant1	9.50	<=29.47	PASS
				Ant2	8.97	<=29.47	PASS
				Total	12.25	<=29.47	PASS
			5795	Ant1	9.11	<=29.47	PASS
				Ant2	9.58	<=29.47	PASS
				Total	12.36	<=29.47	PASS
484	Full	5755	Ant1	7.44	<=29.47	PASS	
			Ant2	9.94	<=29.47	PASS	
			Total	11.88	<=29.47	PASS	
		5795	Ant1	6.86	<=29.47	PASS	
			Ant2	8.60	<=29.47	PASS	
			Total	10.83	<=29.47	PASS	

Test Mode	Tone	RU Index	Channel	Antenna	Result[dBm]	Limit[dBm]	Verdict
11AX80MIMO	26	0	5775	Ant1	6.16	<=29.47	PASS
				Ant2	7.38	<=29.47	PASS
				Total	9.82	<=29.47	PASS
	52	37	5775	Ant1	7.81	<=29.47	PASS
				Ant2	6.86	<=29.47	PASS
				Total	10.37	<=29.47	PASS
	106	53	5775	Ant1	7.44	<=29.47	PASS
				Ant2	8.41	<=29.47	PASS
				Total	10.96	<=29.47	PASS
	242	61	5775	Ant1	7.12	<=29.47	PASS
				Ant2	6.07	<=29.47	PASS
				Total	9.64	<=29.47	PASS
	484	65	5775	Ant1	7.44	<=29.47	PASS
				Ant2	9.33	<=29.47	PASS
				Total	11.50	<=29.47	PASS
996	Full	5775	Ant1	7.50	<=29.47	PASS	
			Ant2	8.75	<=29.47	PASS	
			Total	11.18	<=29.47	PASS	

Note 1: The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

Note 2: The Duty Cycle Factor and RBW Factor is compensated in the graph.

Note 3: The maximum antenna gain is 3.52 dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices

$$\text{Array Gain} = 10 \log(N_{\text{ANT}}/N_{\text{ss}})\text{dB}$$

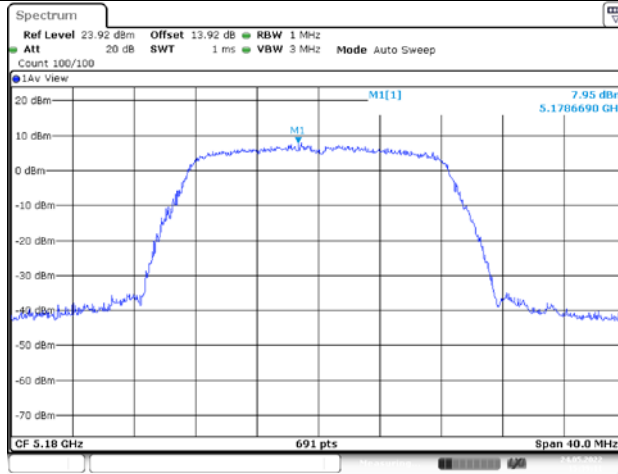
So:

Directional gain= $G_{\text{ANT}} + \text{Array Gain} = 3.52 + 10 * \log(2/1) = 6.53\text{dBi} > 6\text{dBi}$ , the limit should be reduce  
(6.53-6)dB=0.53dB



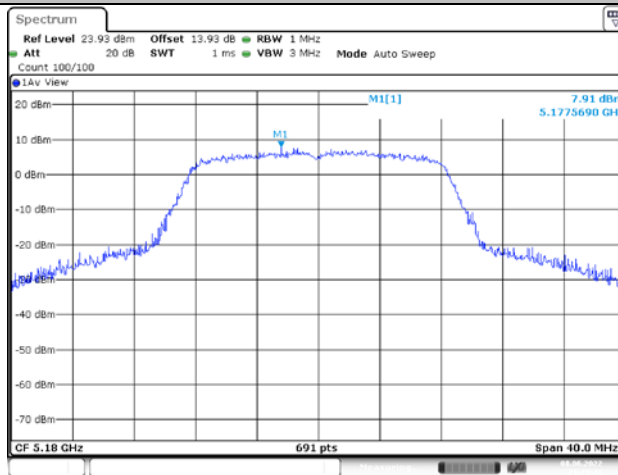
### Test Graphs

11A\_Ant1\_5180



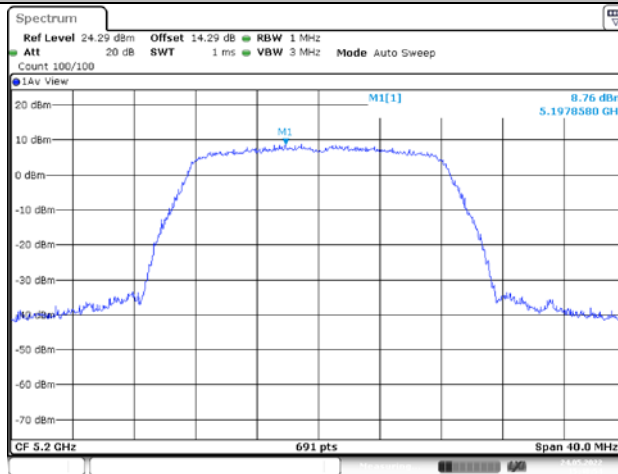
Date: 24.MAY.2022 15:39:11

11A\_Ant2\_5180



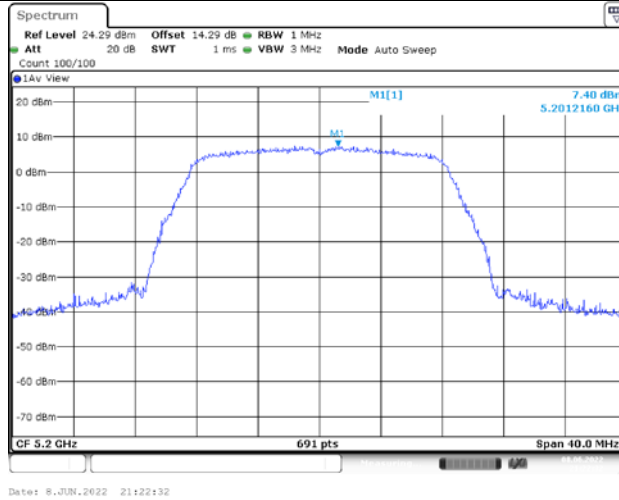
Date: 8.JUN.2022 21:19:42

11A\_Ant1\_5200

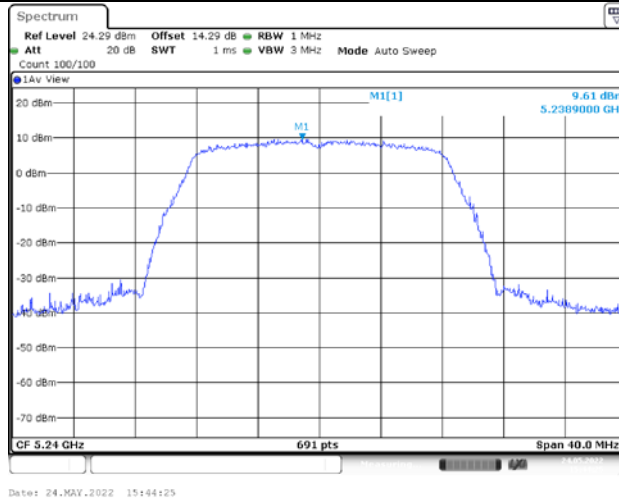


Date: 24.MAY.2022 15:40:54

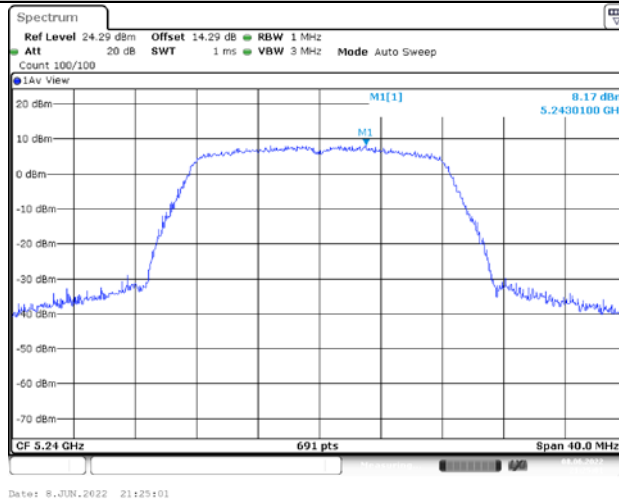
11A\_Ant2\_5200



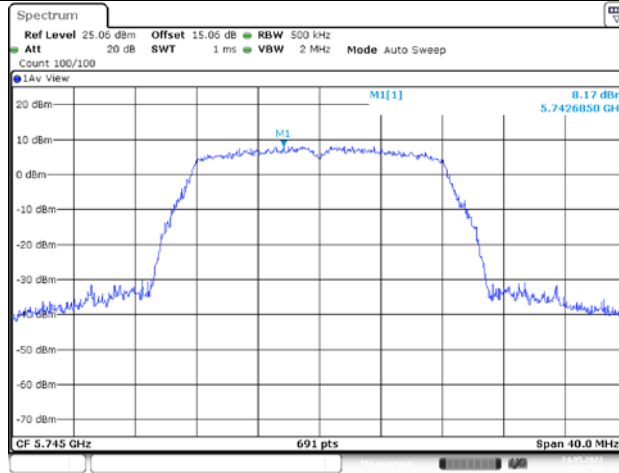
11A\_Ant1\_5240



11A\_Ant2\_5240

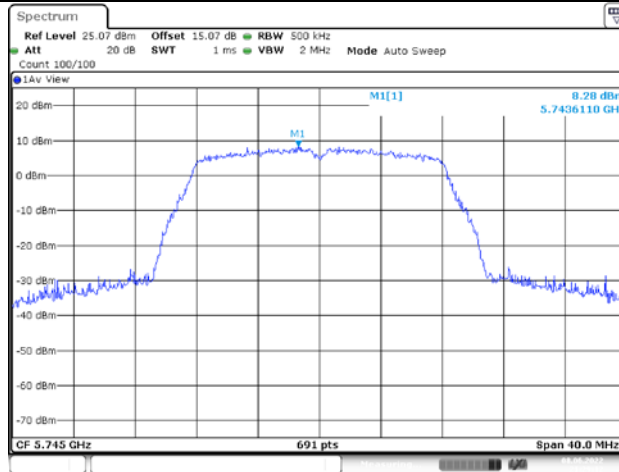


### 11A\_Ant1\_5745



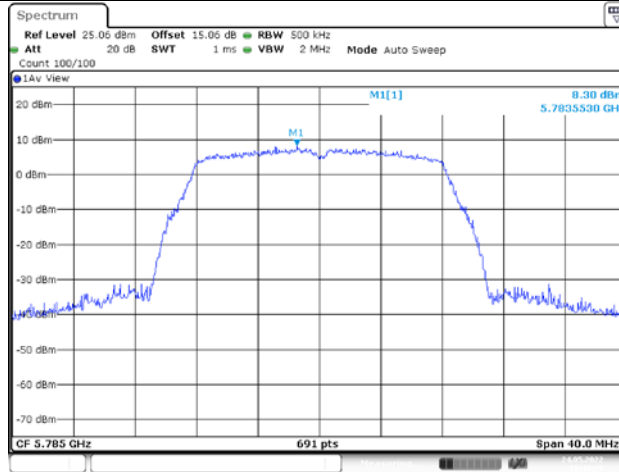
Date: 24.MAY.2022 15:47:10

### 11A\_Ant2\_5745



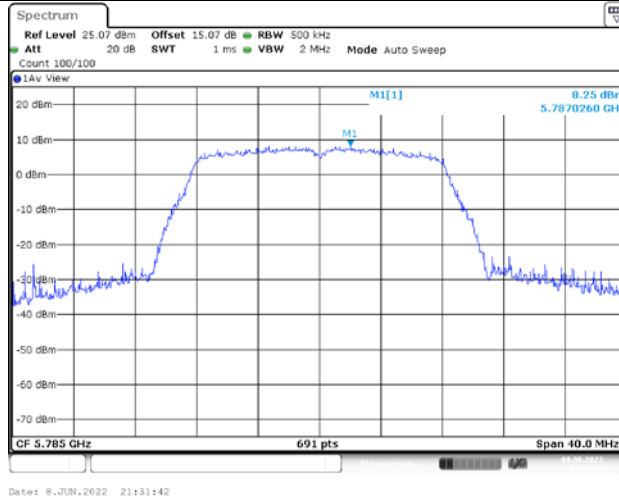
Date: 8.JUN.2022 21:29:13

### 11A\_Ant1\_5785



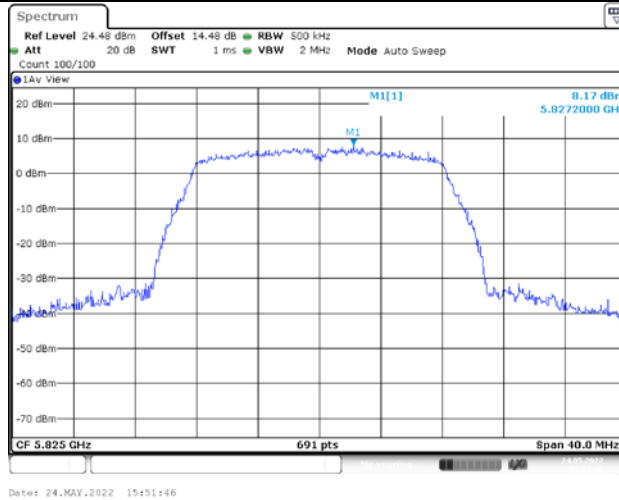
Date: 24.MAY.2022 15:49:29

### 11A\_Ant2\_5785



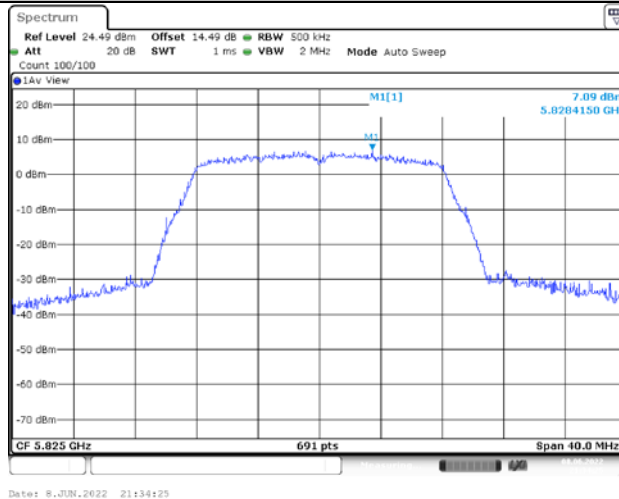
Date: 8 JUN 2022 21:51:42

### 11A\_Ant1\_5825



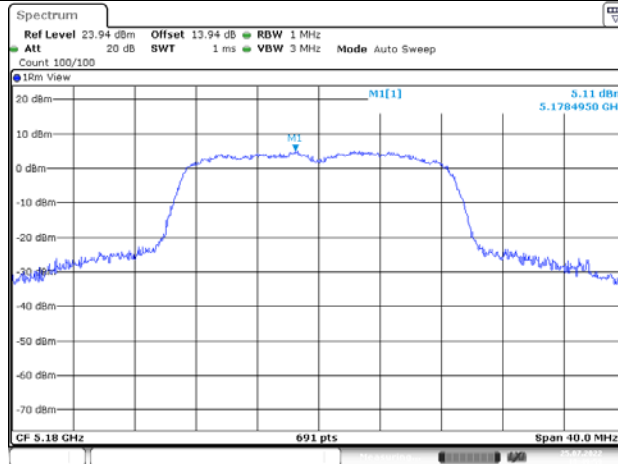
Date: 24 MAY 2022 15:51:46

### 11A\_Ant2\_5825



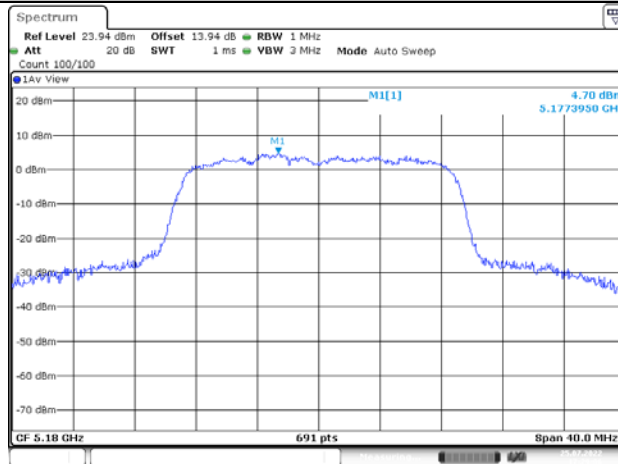
Date: 8 JUN 2022 21:54:25

### 11N20MIMO\_Ant1\_5180



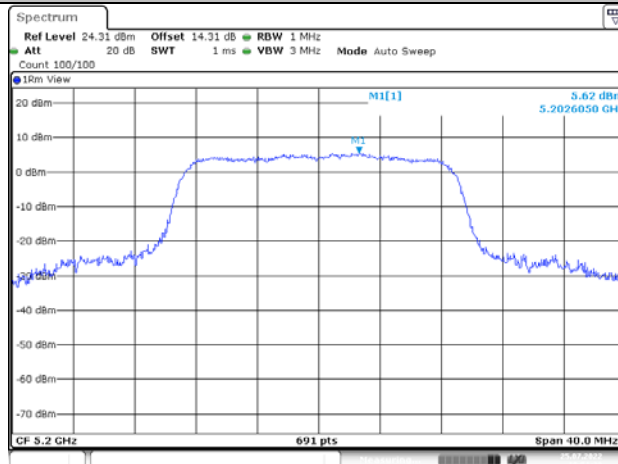
Date: 25.JUL.2022 18:49:59

### 11N20MIMO\_Ant2\_5180



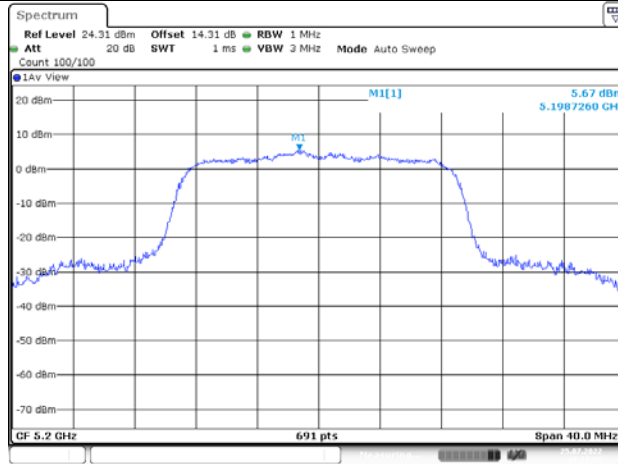
Date: 25.JUL.2022 17:29:07

### 11N20MIMO\_Ant1\_5200



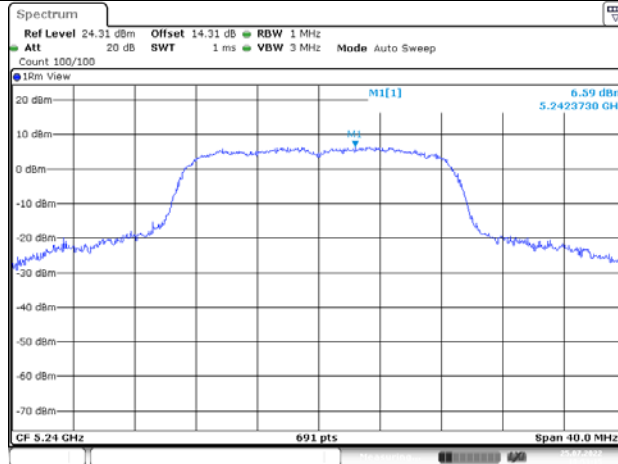
Date: 25.JUL.2022 18:51:39

### 11N20MIMO\_Ant2\_5200



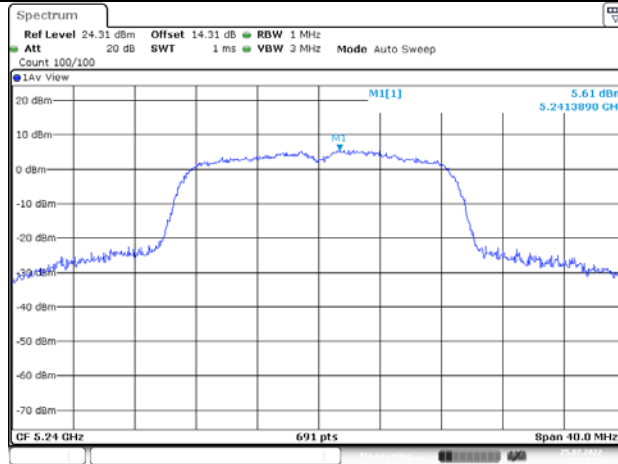
Date: 25.JUL.2022 17:27:56

### 11N20MIMO\_Ant1\_5240



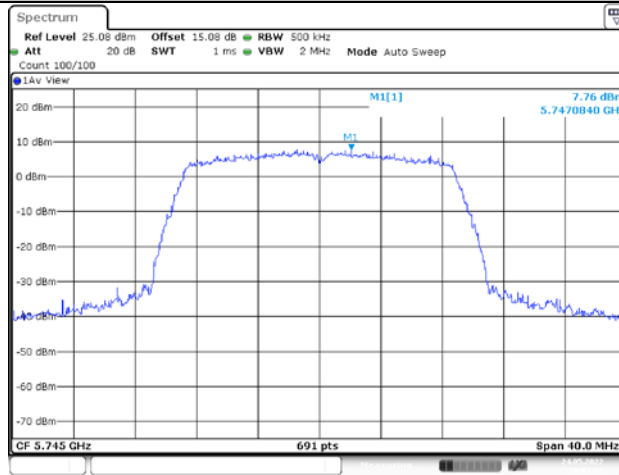
Date: 25.JUL.2022 18:53:16

### 11N20MIMO\_Ant2\_5240



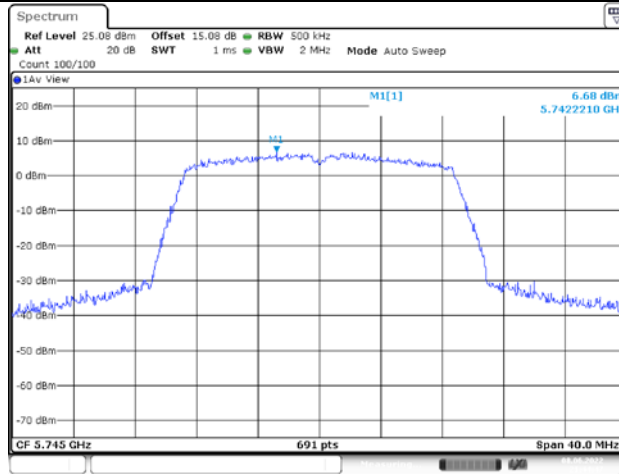
Date: 25.JUL.2022 17:25:56

11N20MIMO\_Ant1\_5745



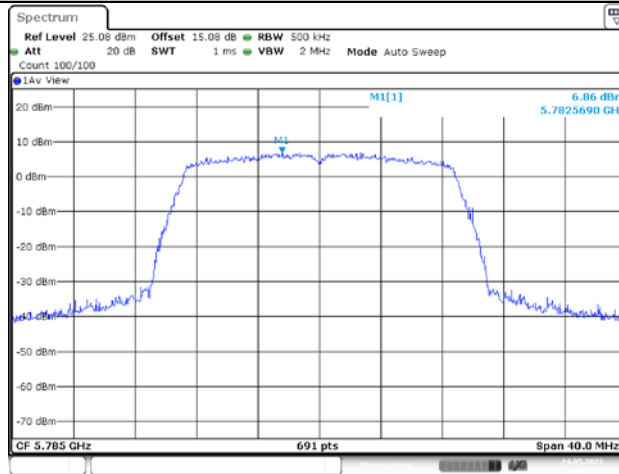
Date: 24.MAY.2022 16:01:38

11N20MIMO\_Ant2\_5745



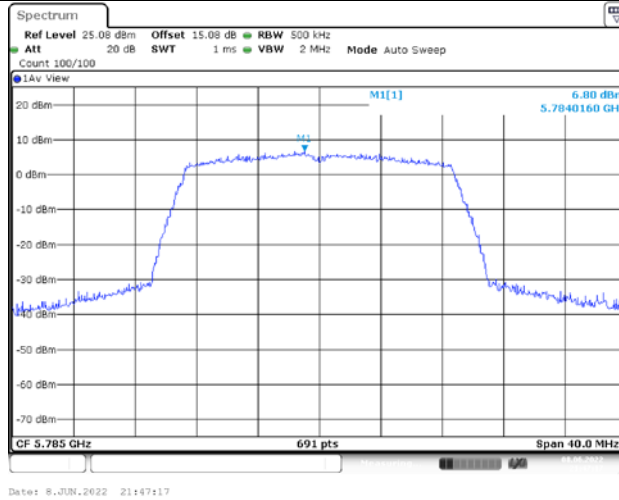
Date: 8.JUN.2022 21:44:48

11N20MIMO\_Ant1\_5785

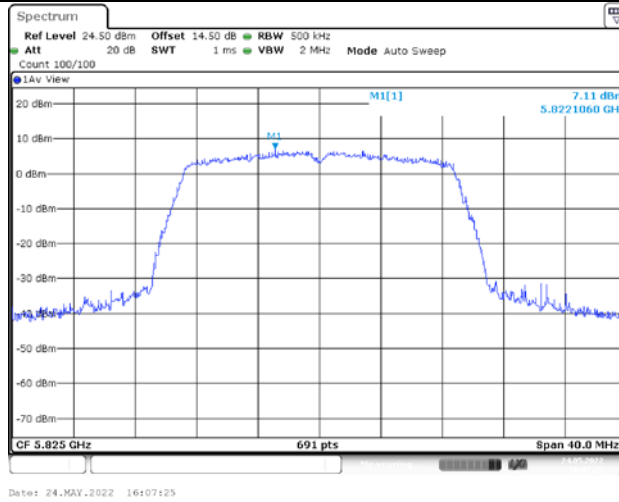


Date: 24.MAY.2022 16:03:54

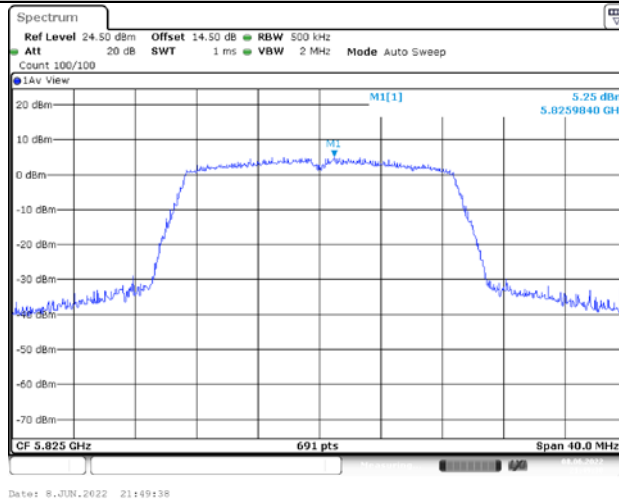
11N20MIMO\_Ant2\_5785



11N20MIMO\_Ant1\_5825

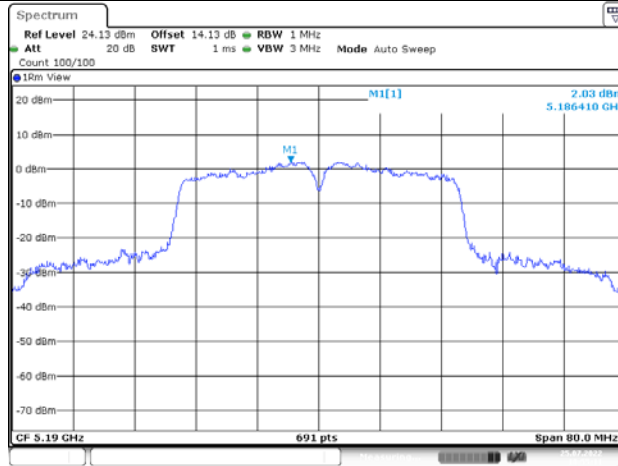


11N20MIMO\_Ant2\_5825



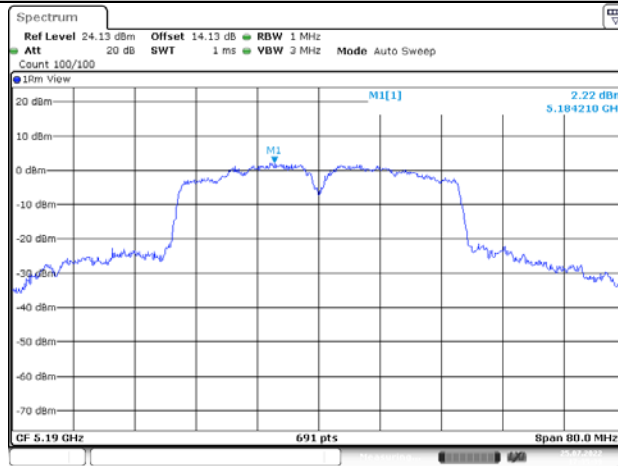


### 11N40MIMO\_Ant1\_5190



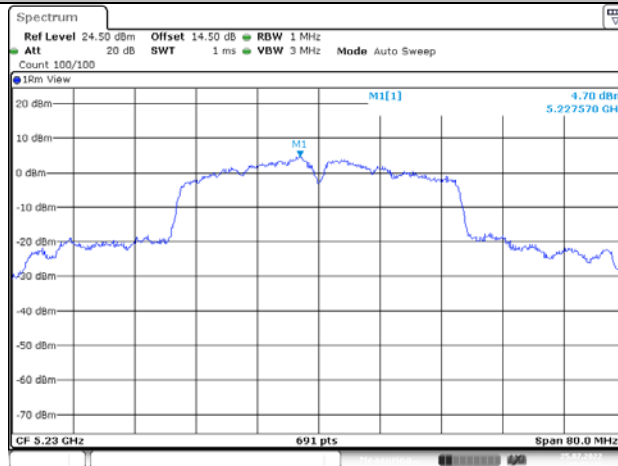
Date: 25.JUL.2022 18:55:12

### 11N40MIMO\_Ant2\_5190



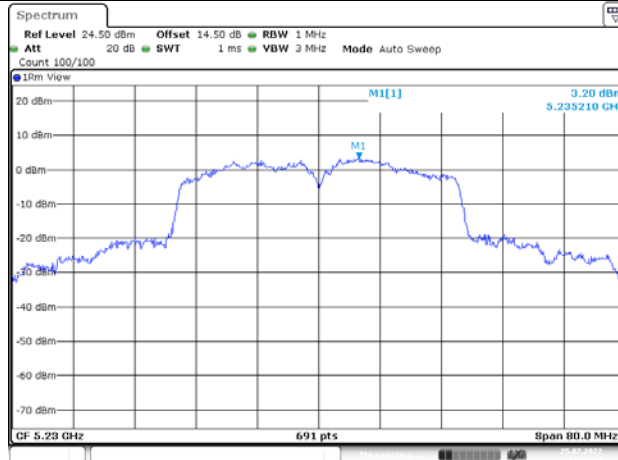
Date: 25.JUL.2022 17:35:39

### 11N40MIMO\_Ant1\_5230



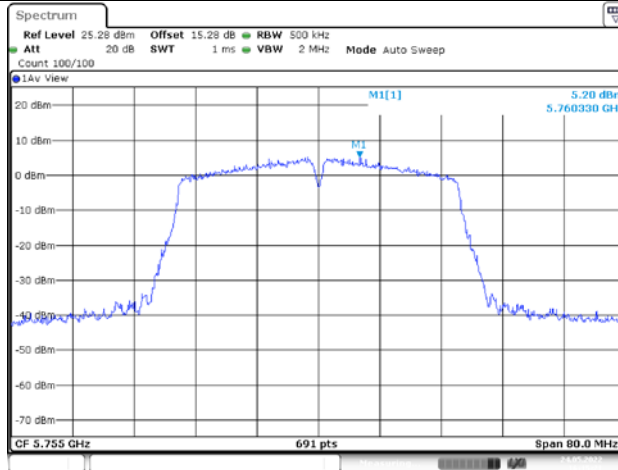
Date: 25.JUL.2022 18:56:41

### 11N40MIMO\_Ant2\_5230



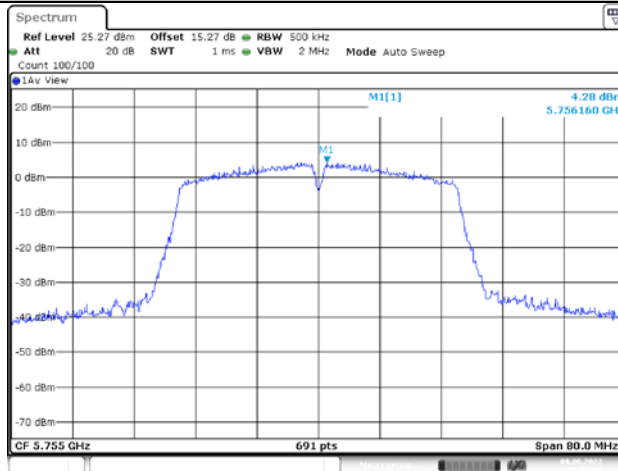
Date: 25.JUL.2022 17:37:48

### 11N40MIMO\_Ant1\_5755



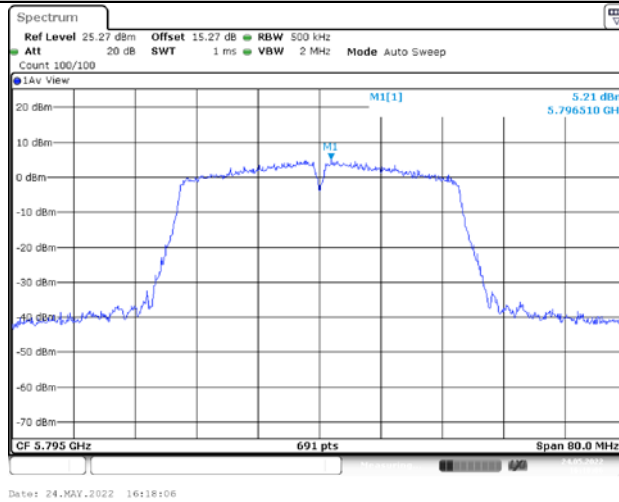
Date: 24.MAY.2022 16:15:21

### 11N40MIMO\_Ant2\_5755

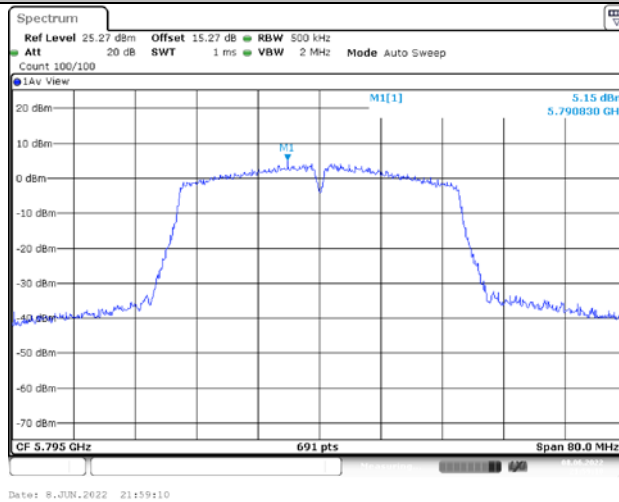


Date: 8.JUN.2022 21:56:49

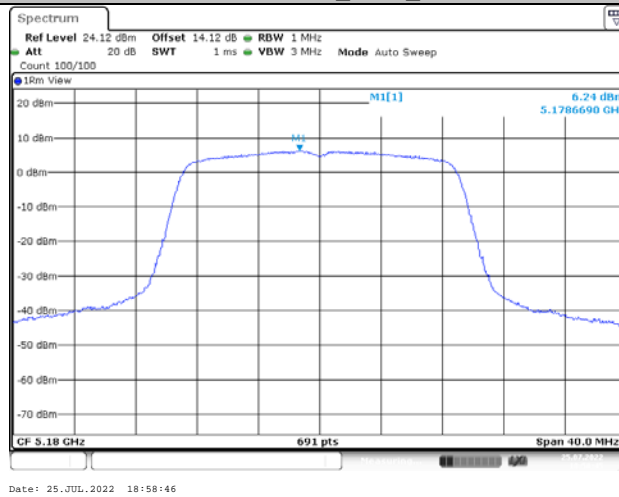
### 11N40MIMO\_Ant1\_5795



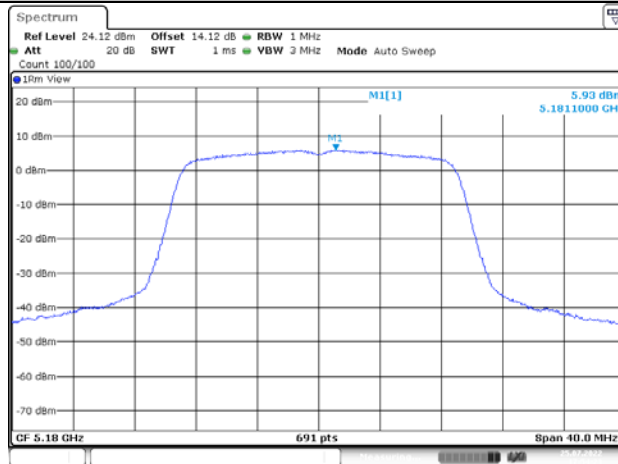
### 11N40MIMO\_Ant2\_5795



### 11AC20MIMO\_Ant1\_5180

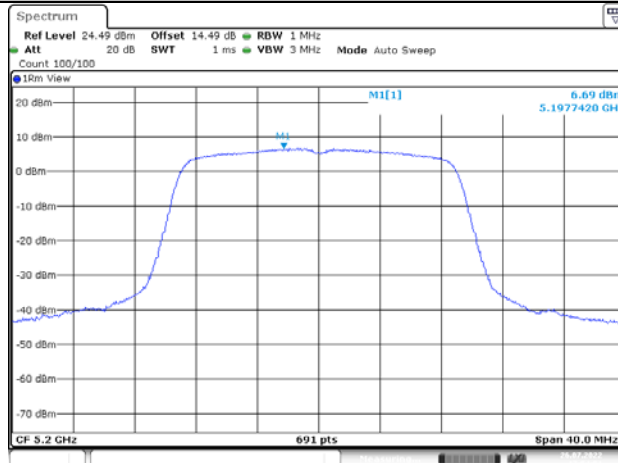


11AC20MIMO\_Ant2\_5180



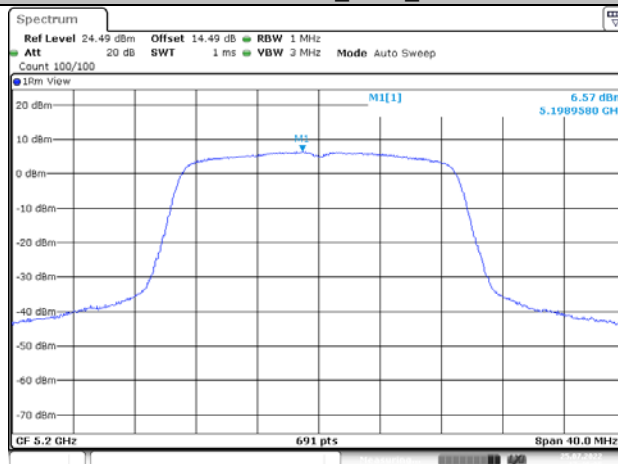
Date: 25.JUL.2022 17:54:24

11AC20MIMO\_Ant1\_5200



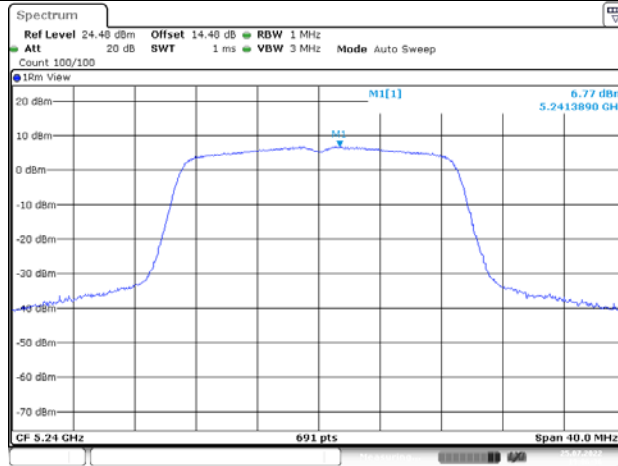
Date: 26.JUL.2022 17:54:52

11AC20MIMO\_Ant2\_5200



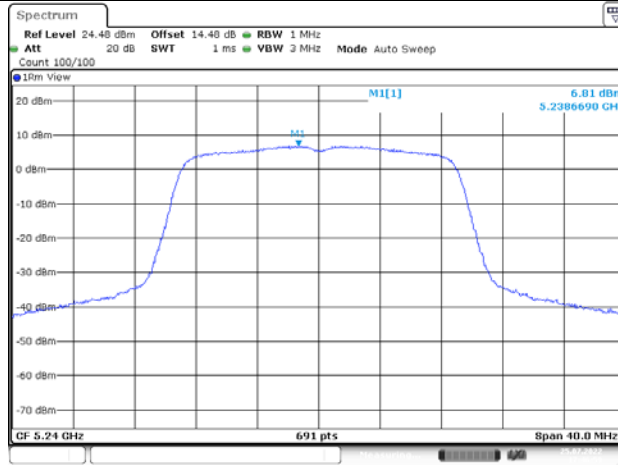
Date: 25.JUL.2022 17:49:06

### 11AC20MIMO\_Ant1\_5240



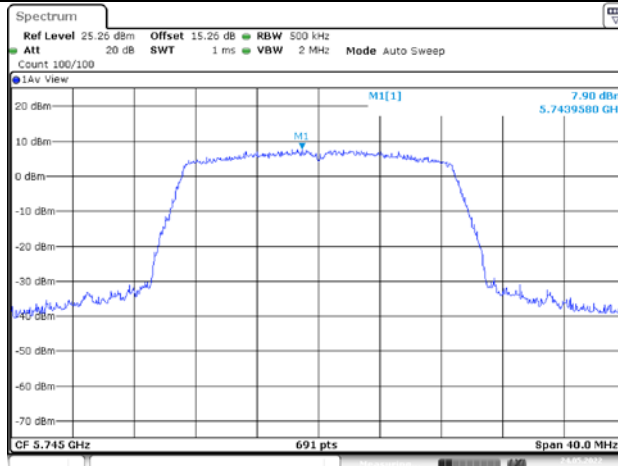
Date: 25.JUL.2022 19:06:36

### 11AC20MIMO\_Ant2\_5240



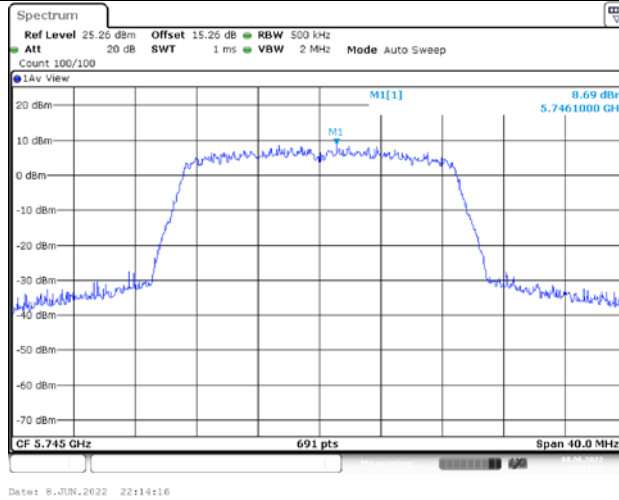
Date: 25.JUL.2022 17:47:00

### 11AC20MIMO\_Ant1\_5745

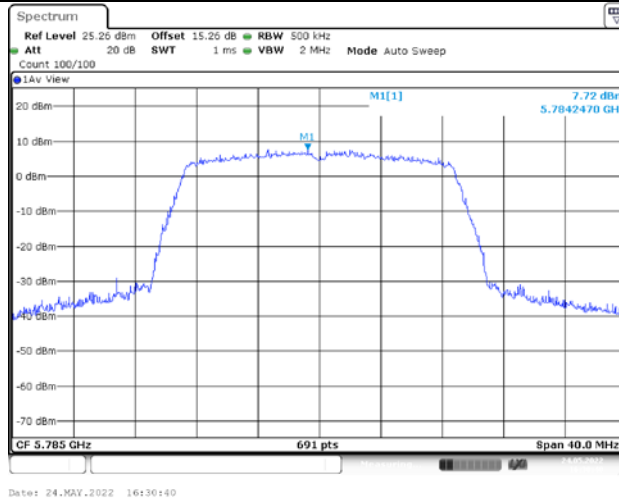


Date: 24.MAY.2022 16:28:18

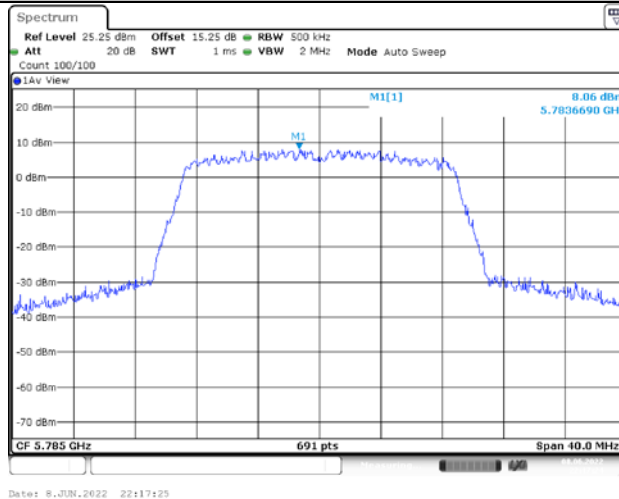
### 11AC20MIMO\_Ant2\_5745



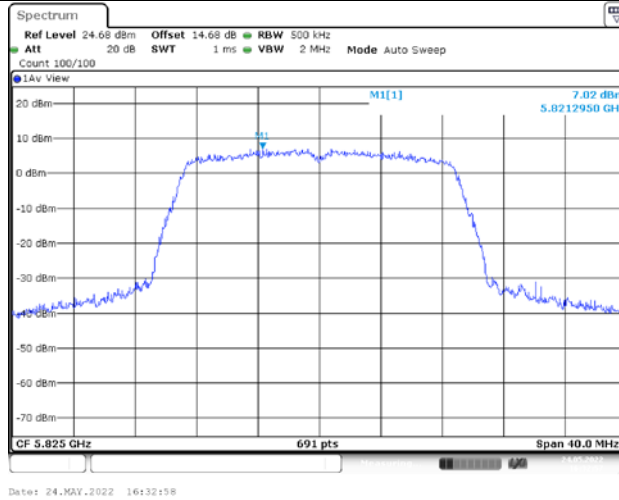
### 11AC20MIMO\_Ant1\_5785



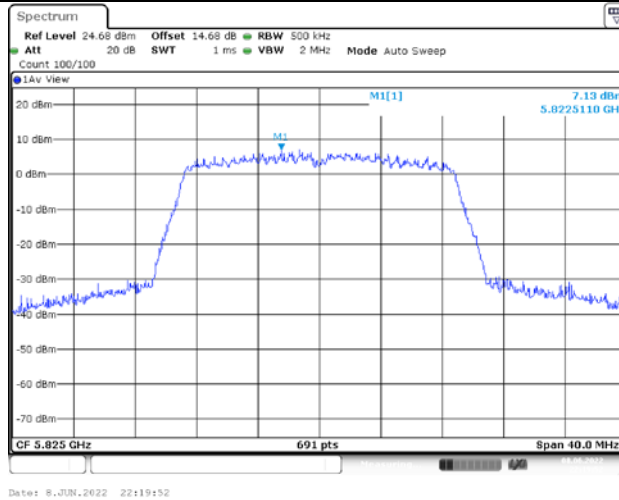
### 11AC20MIMO\_Ant2\_5785



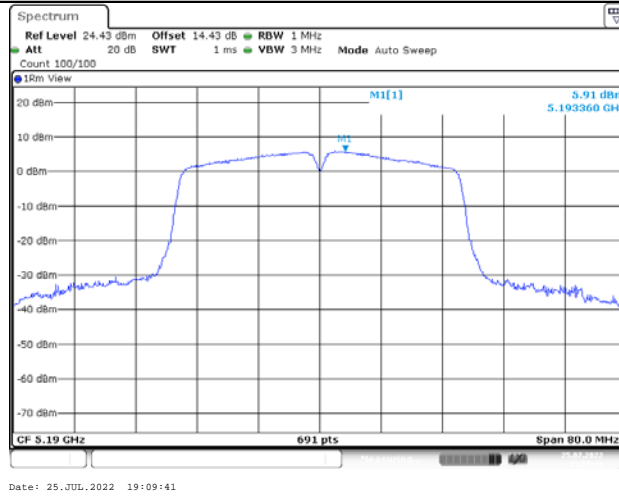
11AC20MIMO\_Ant1\_5825



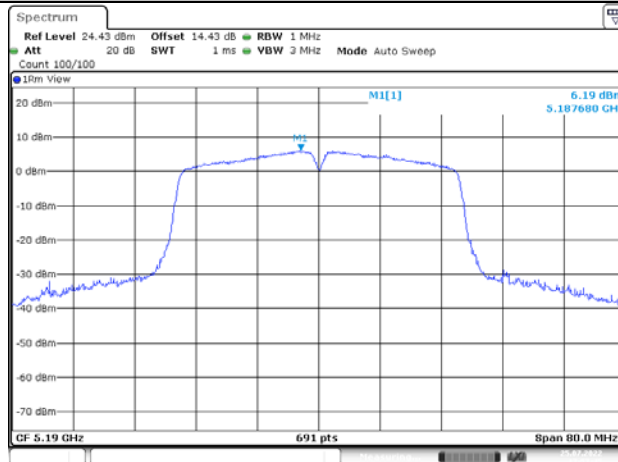
11AC20MIMO\_Ant2\_5825



11AC40MIMO\_Ant1\_5190

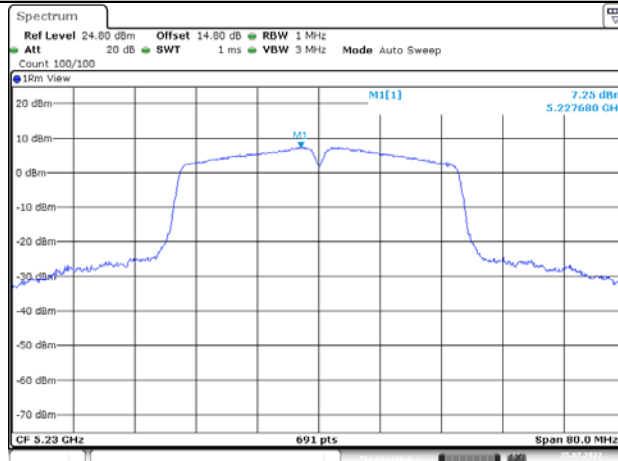


### 11AC40MIMO\_Ant2\_5190



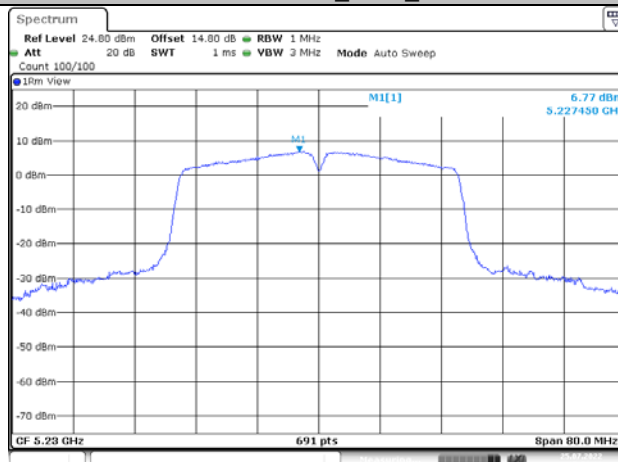
Date: 25.JUL.2022 17:57:45

### 11AC40MIMO\_Ant1\_5230



Date: 25.JUL.2022 19:12:47

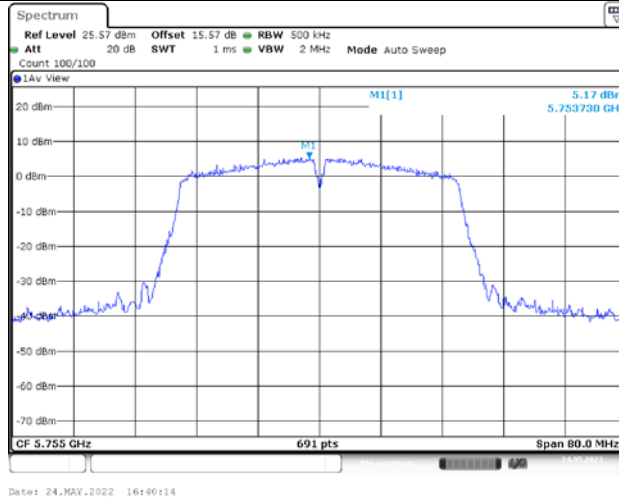
### 11AC40MIMO\_Ant2\_5230



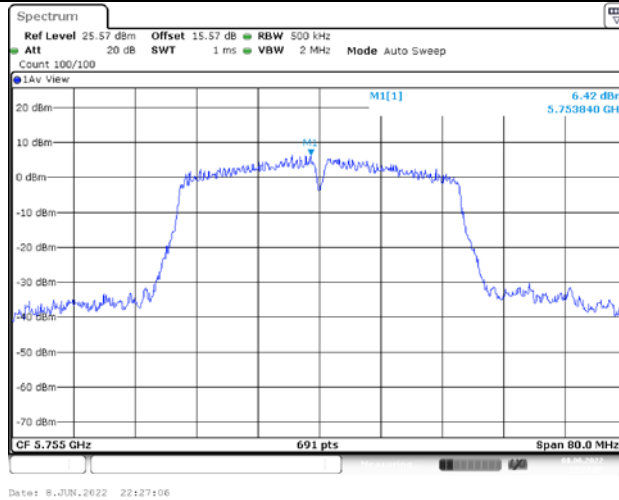
Date: 25.JUL.2022 17:59:12



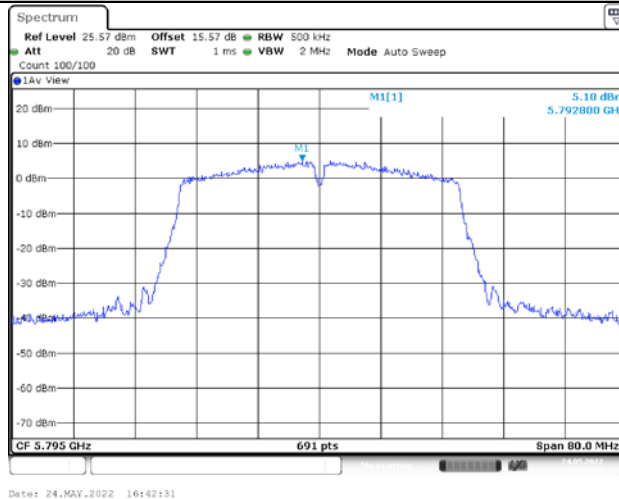
### 11AC40MIMO\_Ant1\_5755



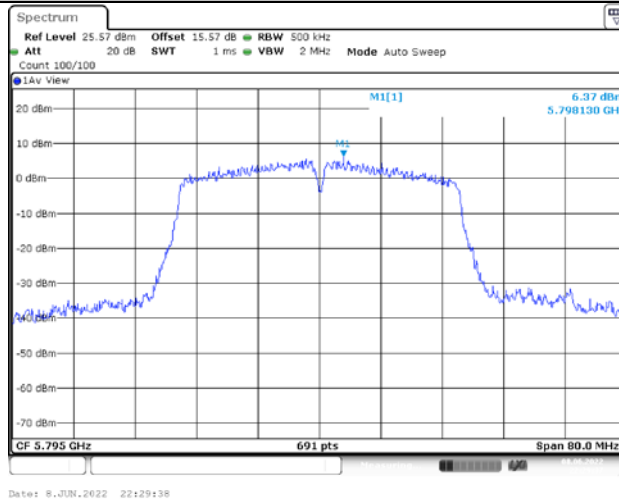
### 11AC40MIMO\_Ant2\_5755



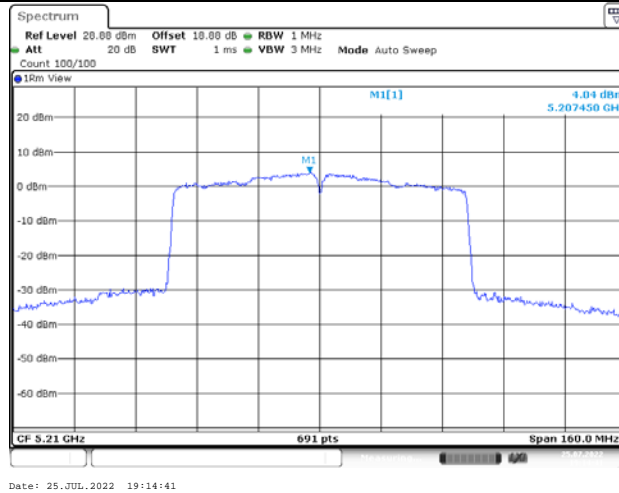
### 11AC40MIMO\_Ant1\_5795



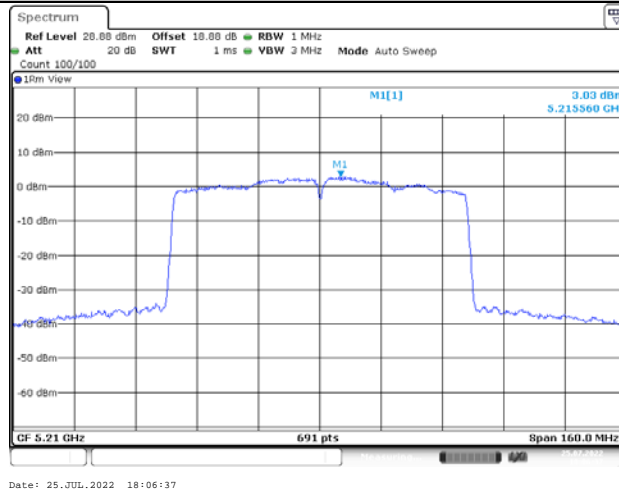
### 11AC40MIMO\_Ant2\_5795



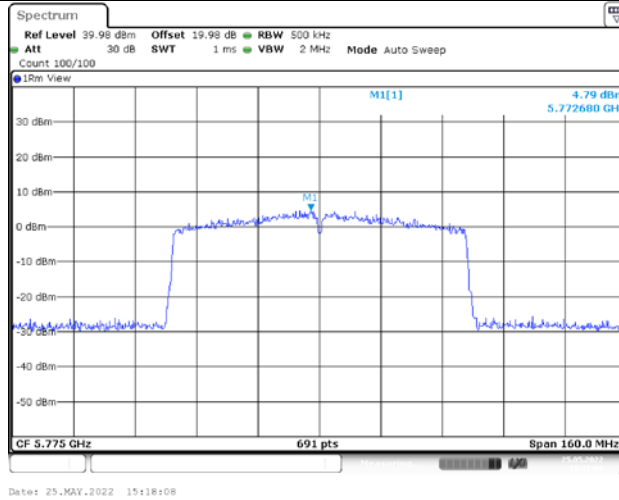
### 11AC80MIMO\_Ant1\_5210



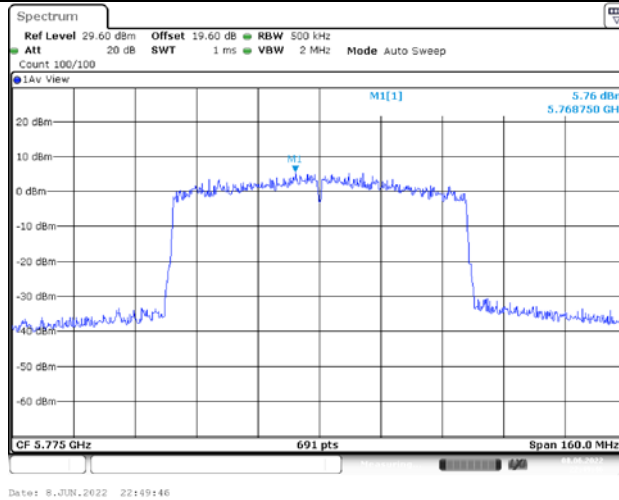
### 11AC80MIMO\_Ant2\_5210



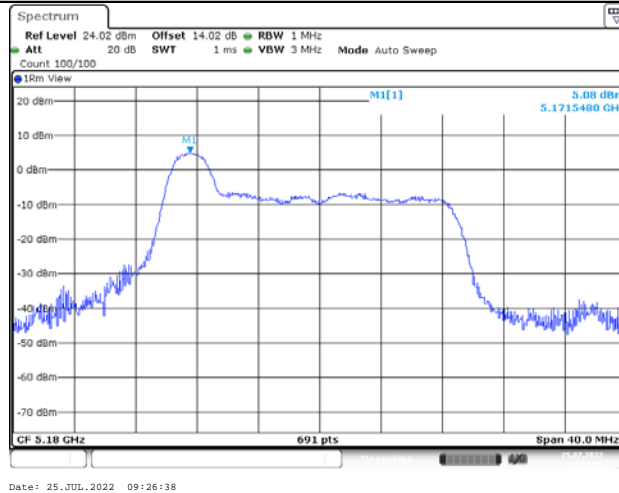
### 11AC80MIMO\_Ant1\_5775



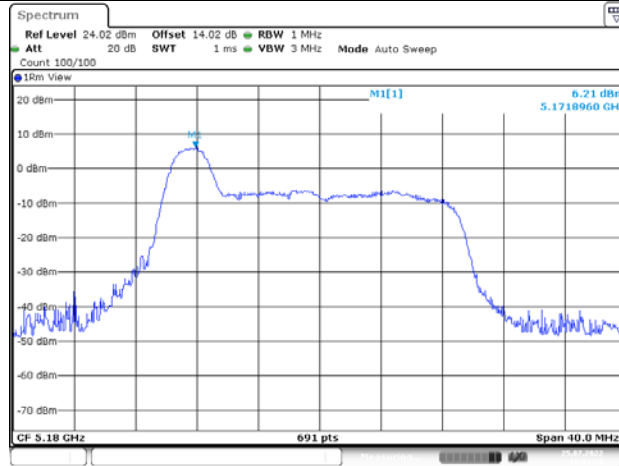
### 11AC80MIMO\_Ant2\_5775



### 11AX20MIMO\_26\_Ant1\_5180

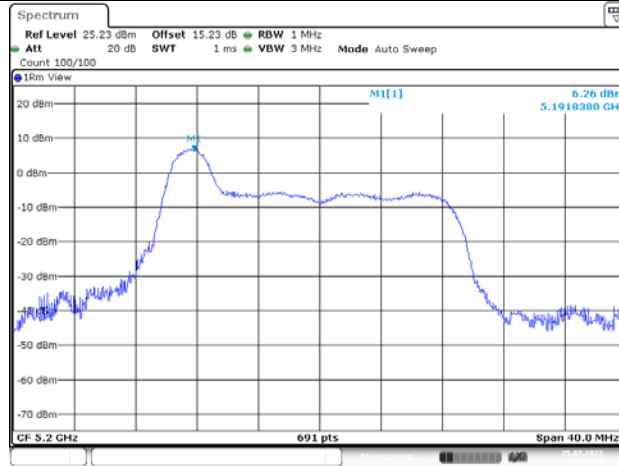


11AX20MIMO\_26\_Ant2\_5180



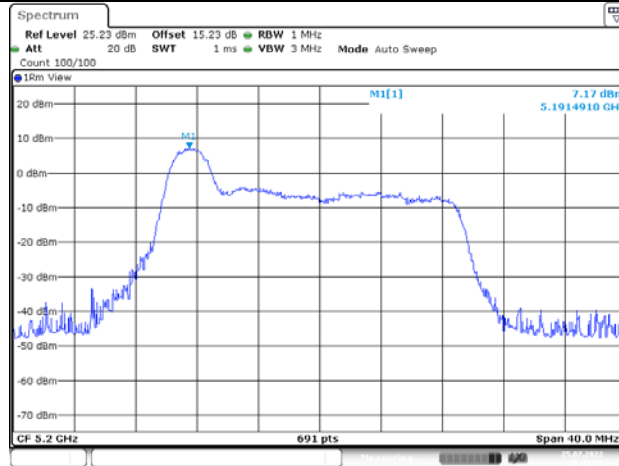
Date: 25.JUL.2022 16:41:21

11AX20MIMO\_26\_Ant1\_5200



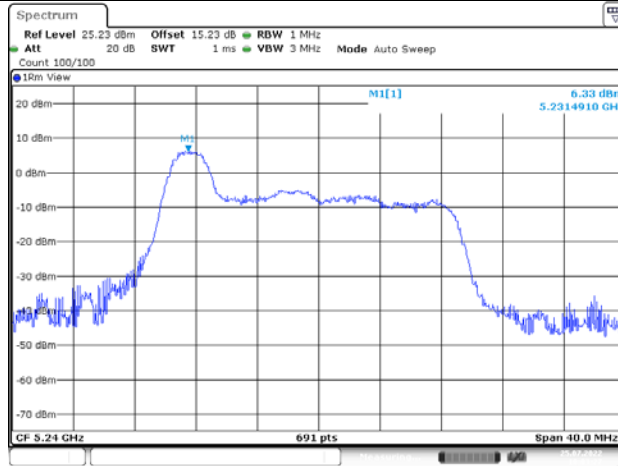
Date: 25.JUL.2022 09:55:01

11AX20MIMO\_26\_Ant2\_5200



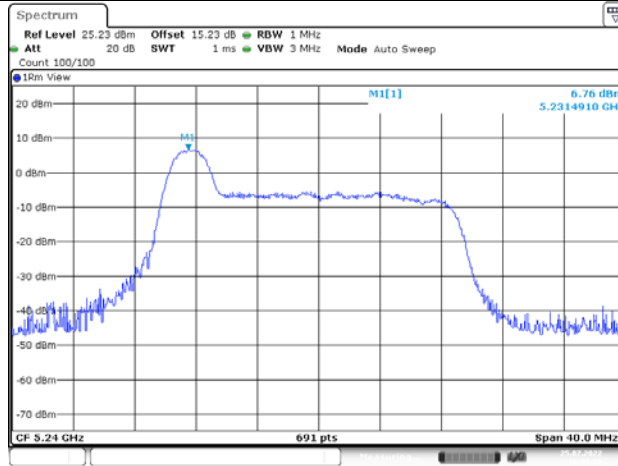
Date: 25.JUL.2022 16:46:08

11AX20MIMO\_26\_Ant1\_5240



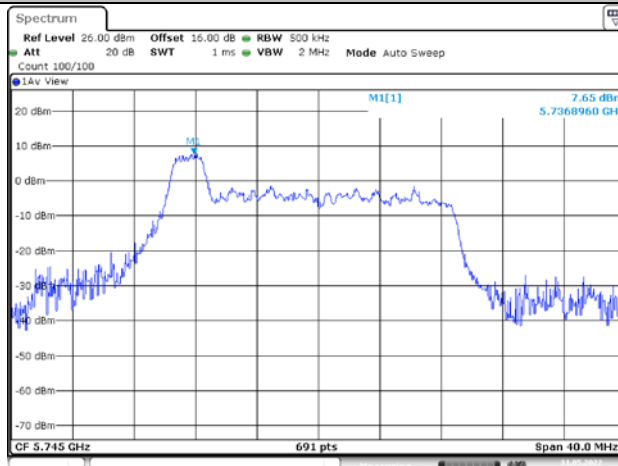
Date: 25.JUL.2022 10:03:27

11AX20MIMO\_26\_Ant2\_5240



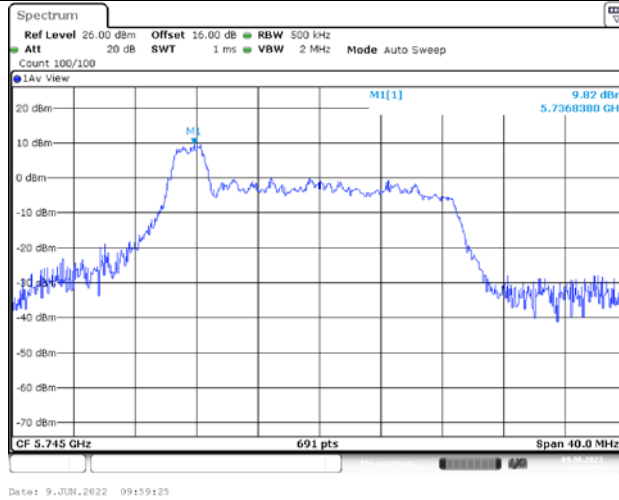
Date: 25.JUL.2022 16:49:01

11AX20MIMO\_26\_Ant1\_5745

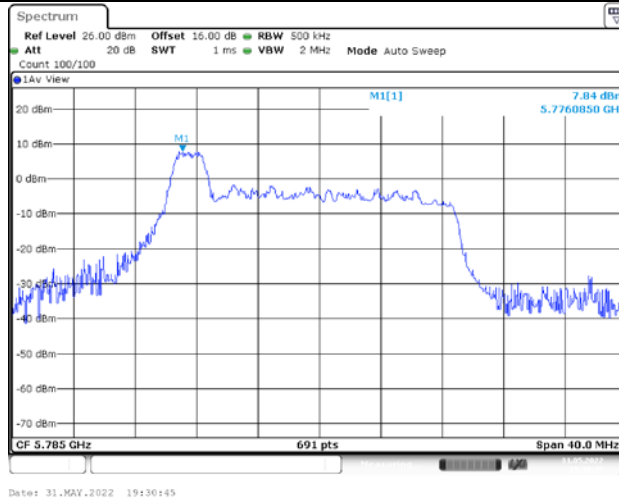


Date: 31.MAY.2022 19:29:14

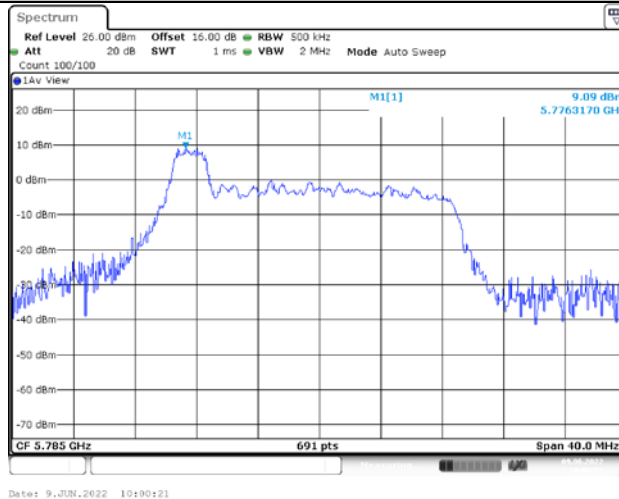
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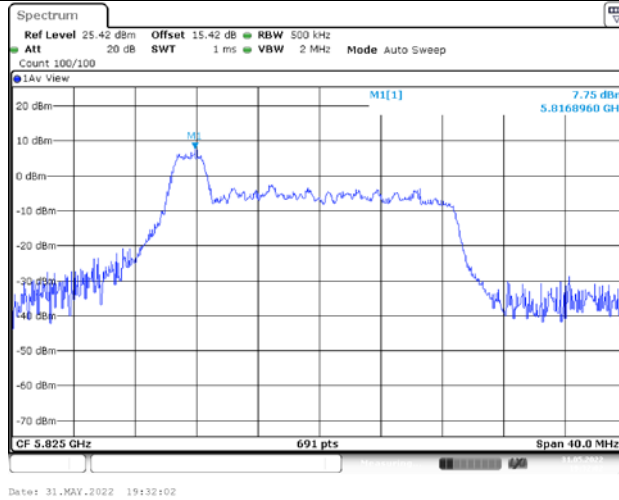
11AX20MIMO\_26\_Ant1\_5785



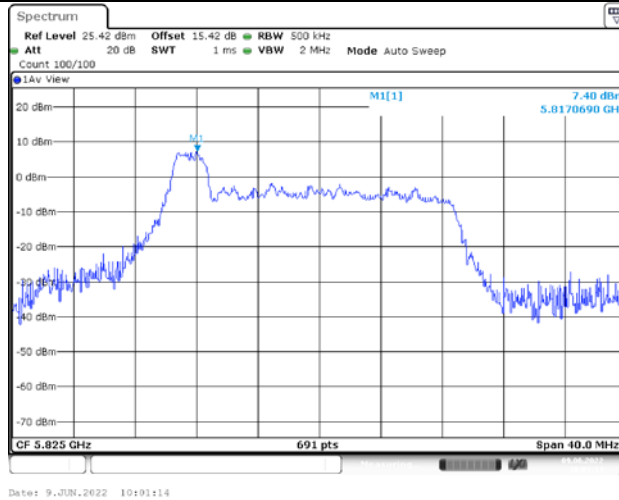
11AX20MIMO\_26\_Ant2\_5785



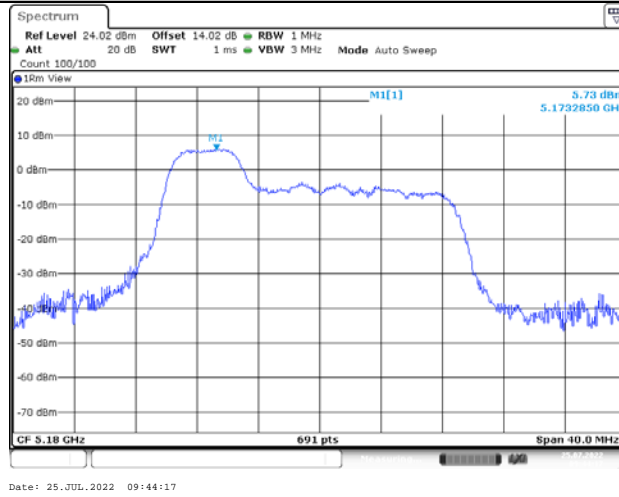
11AX20MIMO\_26\_Ant1\_5825



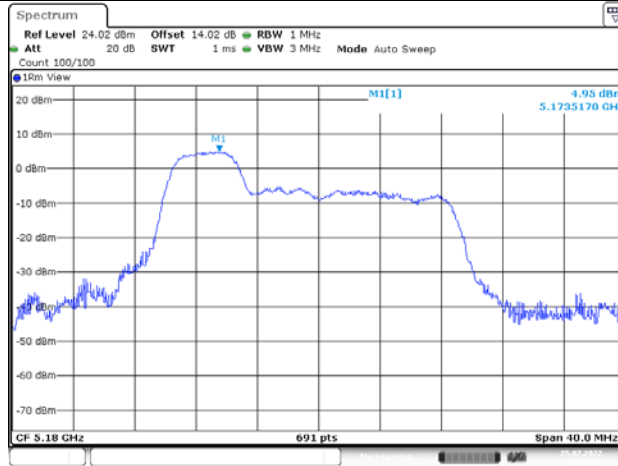
11AX20MIMO\_26\_Ant2\_5825



11AX20MIMO\_52\_Ant1\_5180

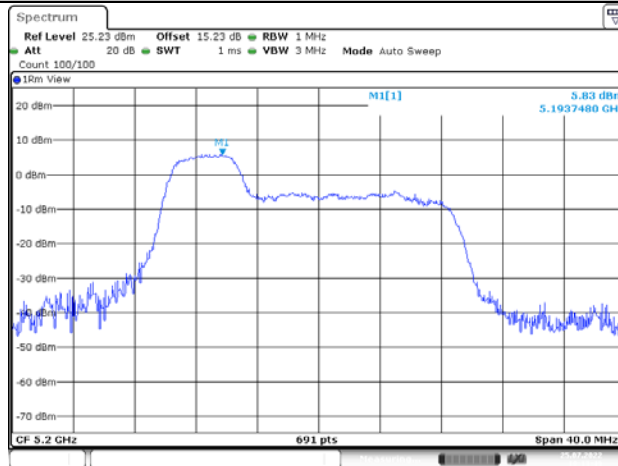


11AX20MIMO\_52\_Ant2\_5180



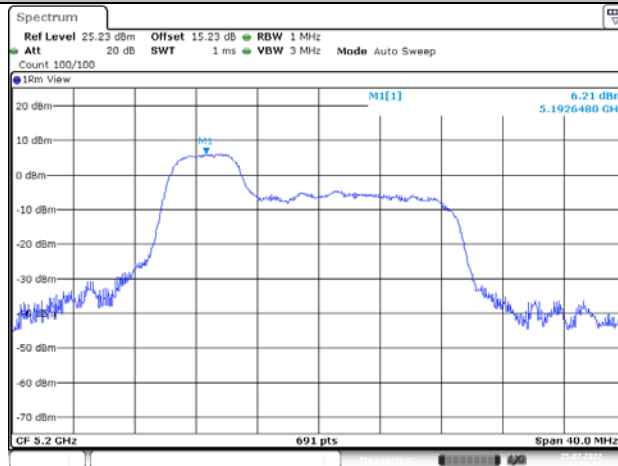
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11AX20MIMO\_52\_Ant1\_5200



Date: 25.JUL.2022 10:13:49

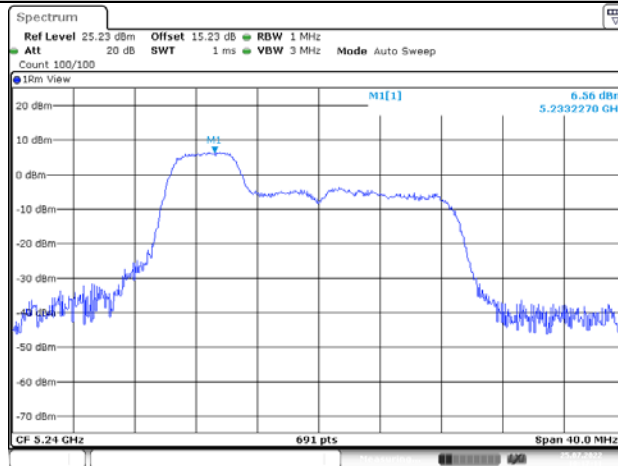
11AX20MIMO\_52\_Ant2\_5200



Date: 25.JUL.2022 16:56:33

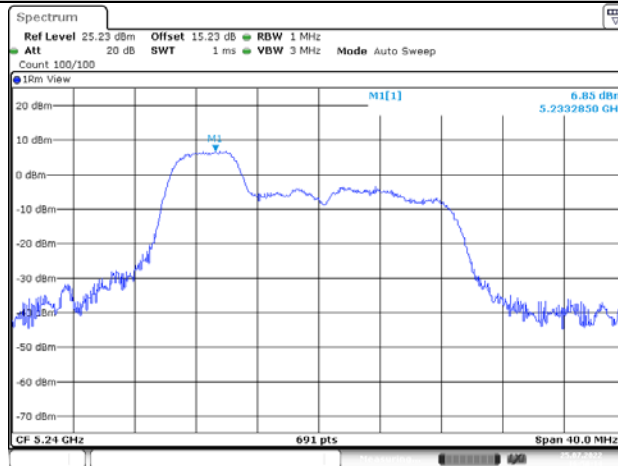


11AX20MIMO\_52\_Ant1\_5240



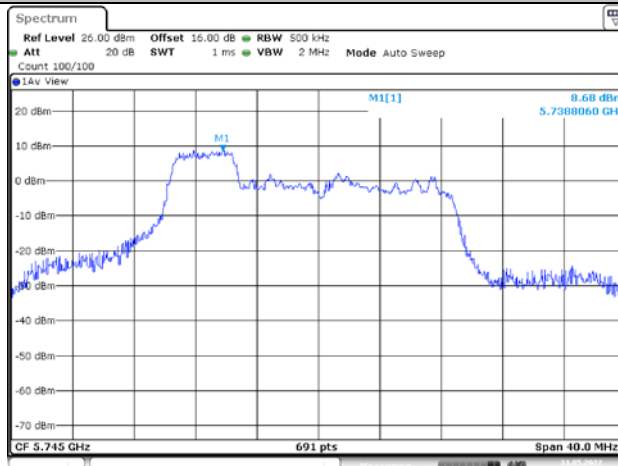
Date: 25.JUL.2022 10:17:11

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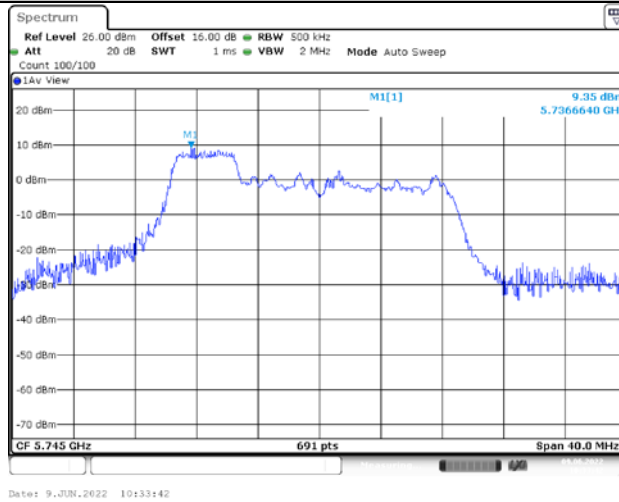
Date: 25.JUL.2022 16:58:14

11AX20MIMO\_52\_Ant1\_5745

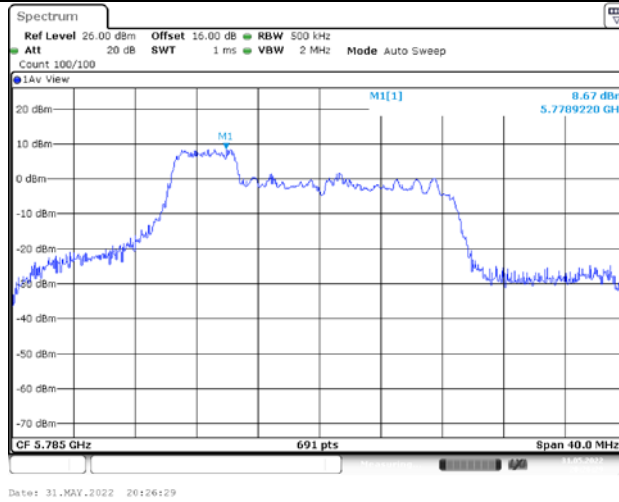


Date: 31.MAY.2022 20:25:02

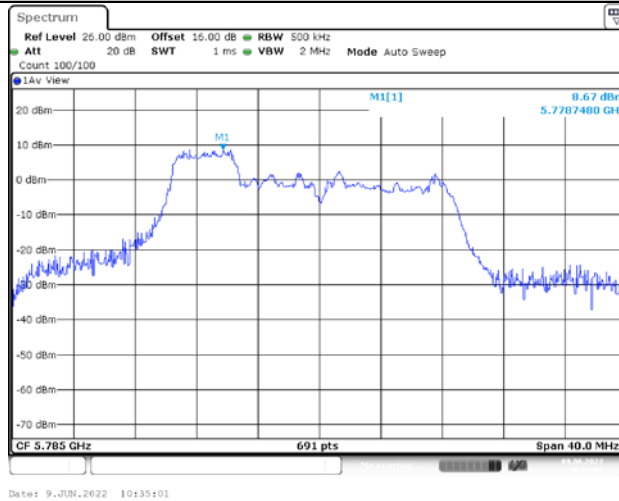
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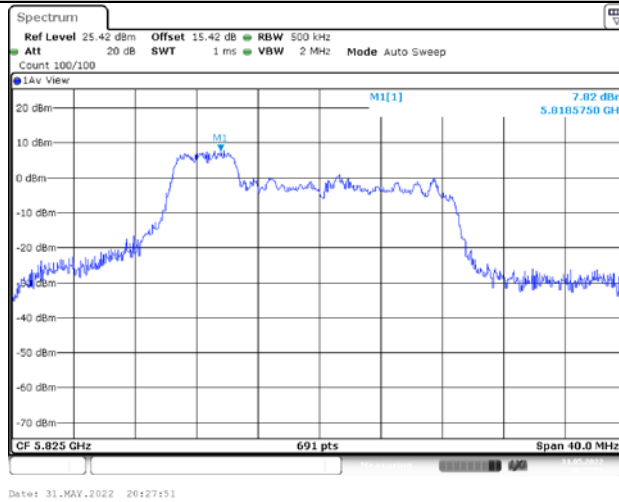
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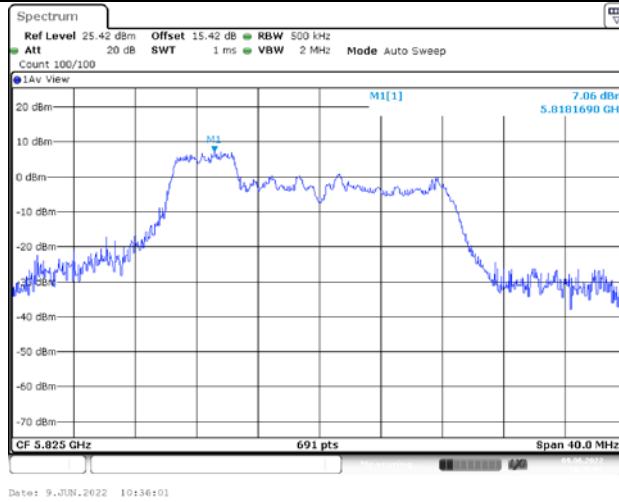
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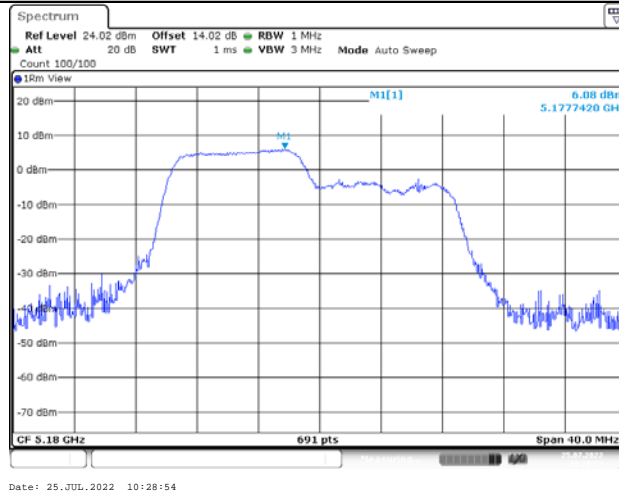
11AX20MIMO\_52\_Ant1\_5825



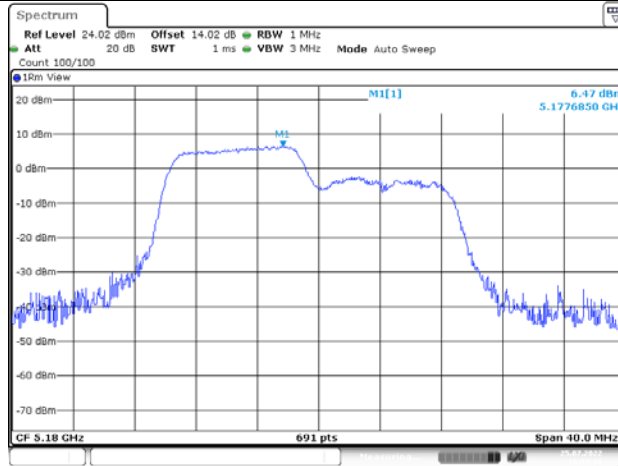
11AX20MIMO\_52\_Ant2\_5825



11AX20MIMO\_106\_Ant1\_5180

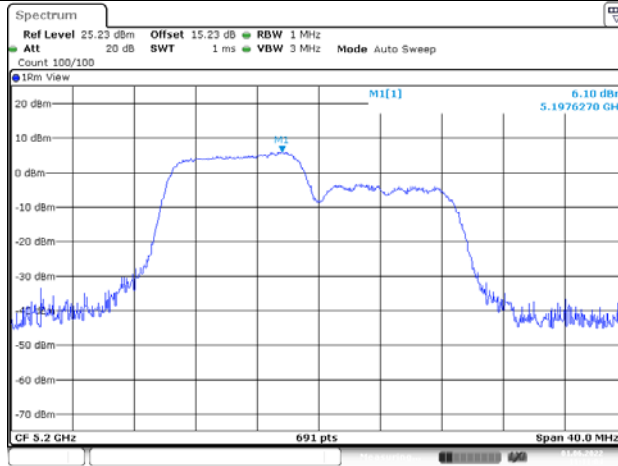


11AX20MIMO\_106\_Ant2\_5180



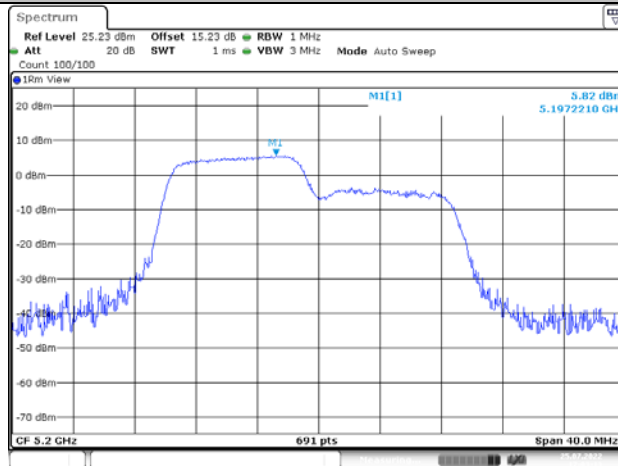
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11AX20MIMO\_106\_Ant1\_5200



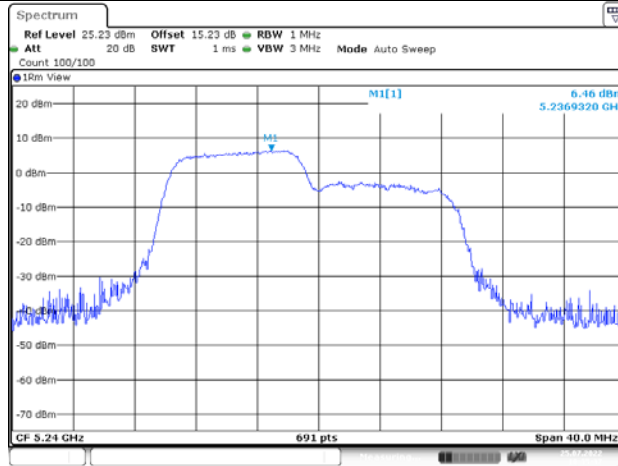
Date: 1.JUN.2022 11:11:04

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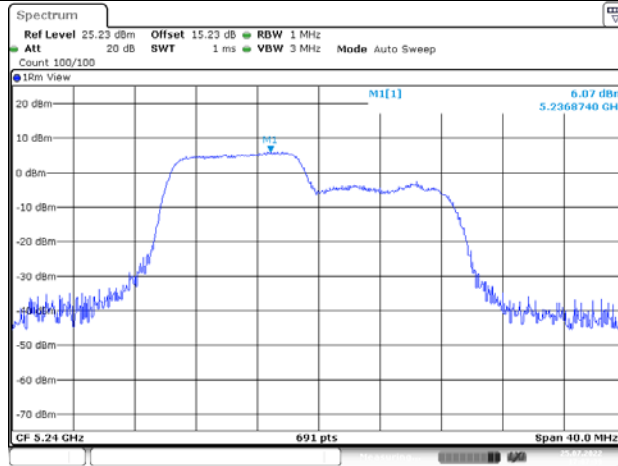
Date: 25.JUL.2022 17:03:13

11AX20MIMO\_106\_Ant1\_5240



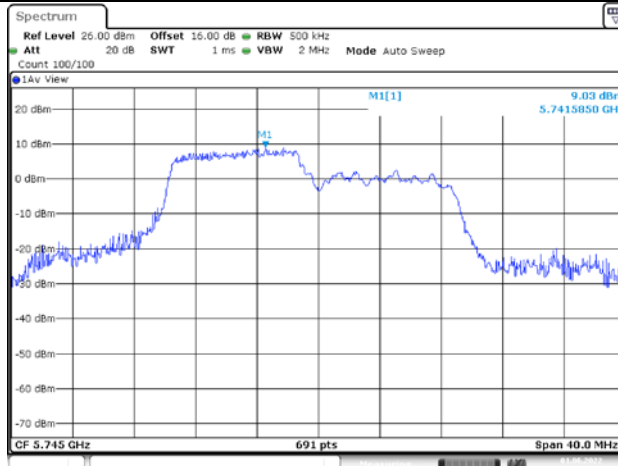
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11AX20MIMO\_106\_Ant2\_5240



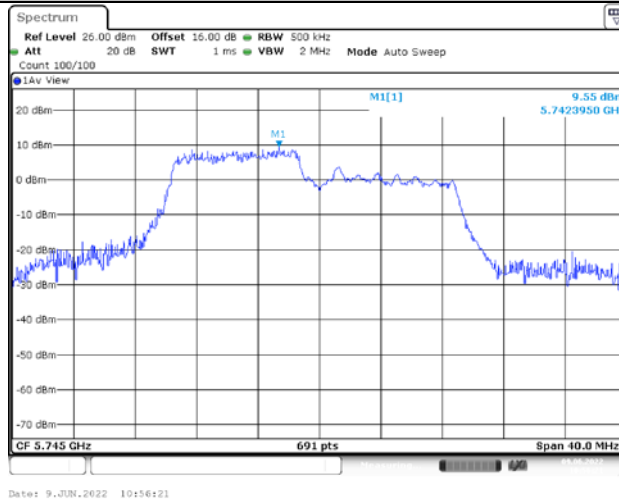
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11AX20MIMO\_106\_Ant1\_5745

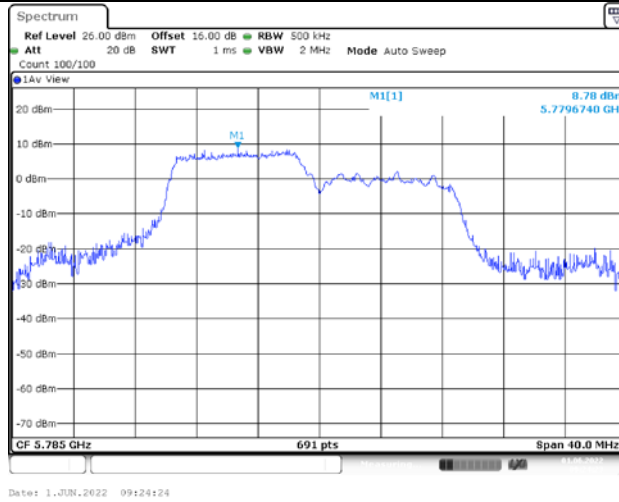


Date: 1.JUN.2022 09:23:11

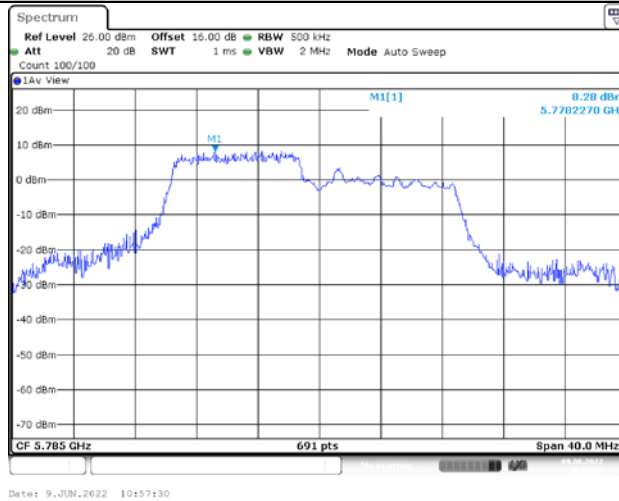
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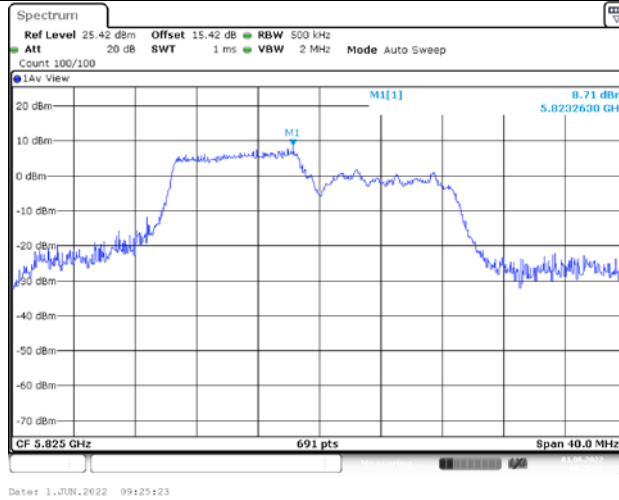
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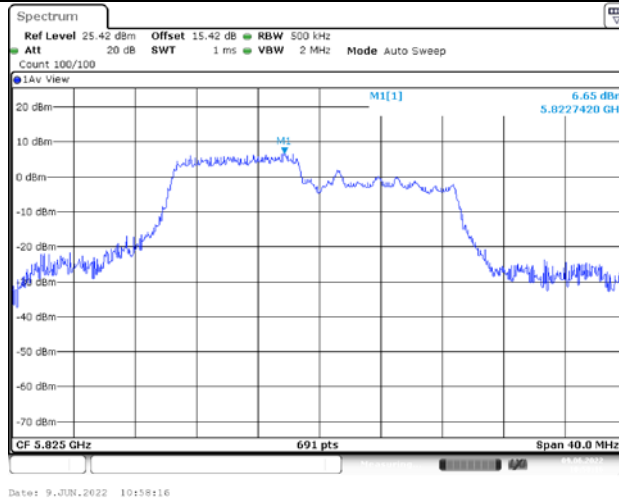
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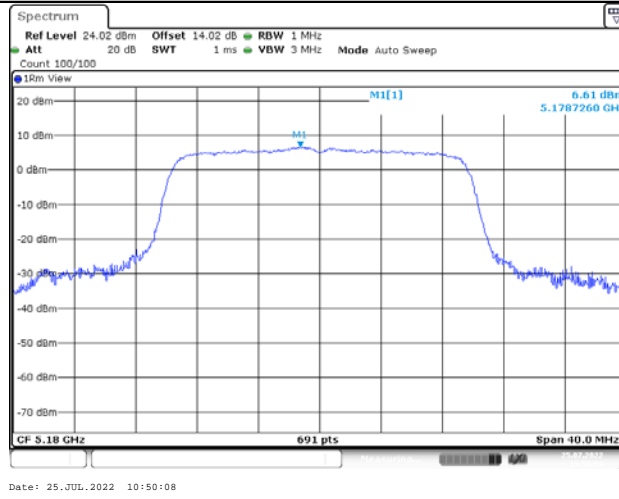
11AX20MIMO\_106\_Ant1\_5825



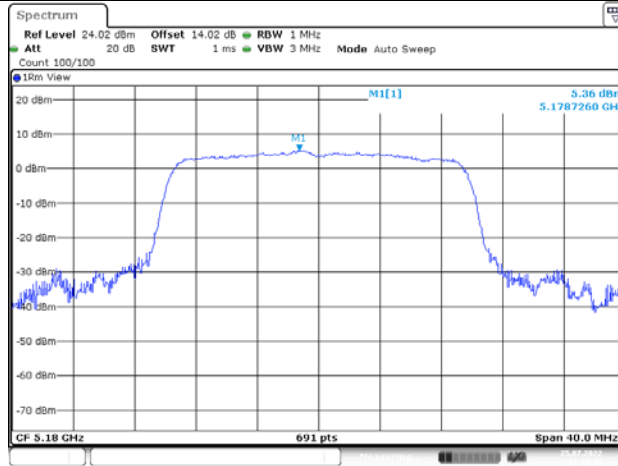
11AX20MIMO\_106\_Ant2\_5825



11AX20MIMO\_242\_Ant1\_5180

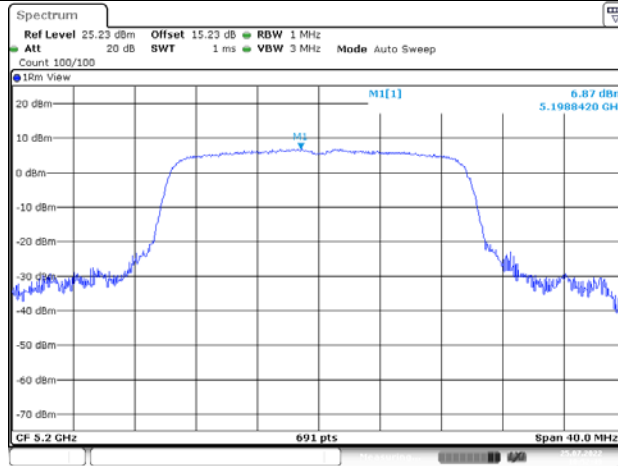


### 11AX20MIMO\_242\_Ant2\_5180



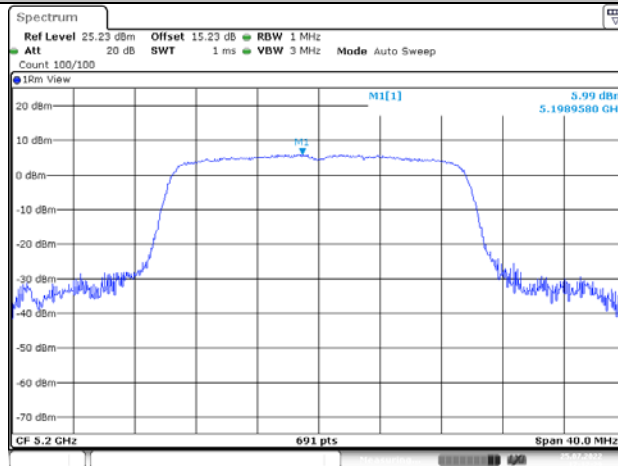
Date: 25.JUL.2022 17:10:45

### 11AX20MIMO\_242\_Ant1\_5200



Date: 25.JUL.2022 10:52:49

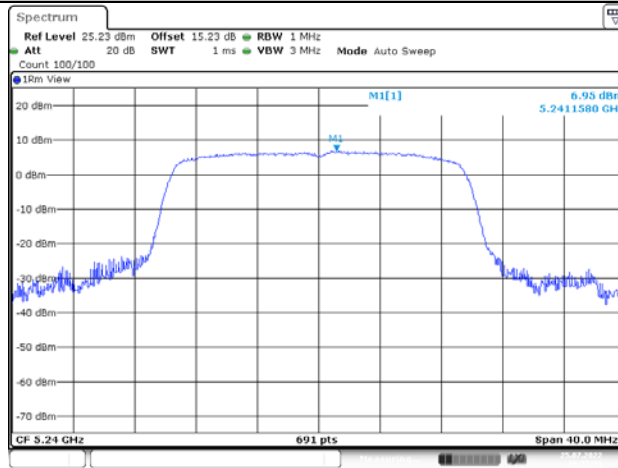
### 11AX20MIMO\_242\_Ant2\_5200



Date: 25.JUL.2022 17:12:29

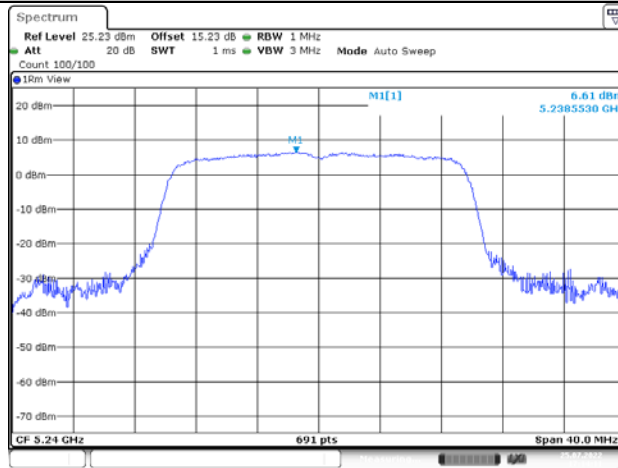


11AX20MIMO\_242\_Ant1\_5240



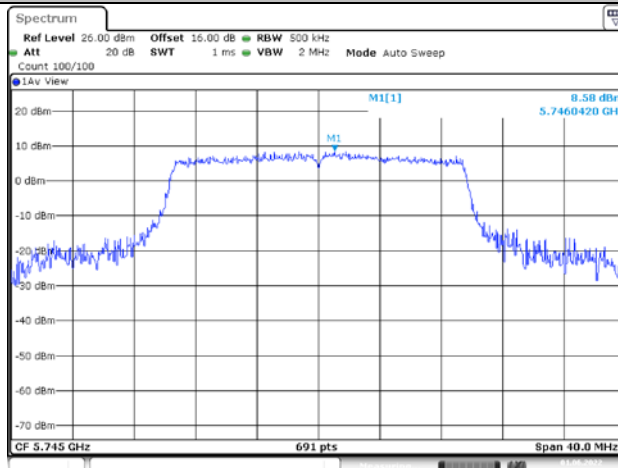
Date: 25.JUL.2022 10:55:54

11AX20MIMO\_242\_Ant2\_5240



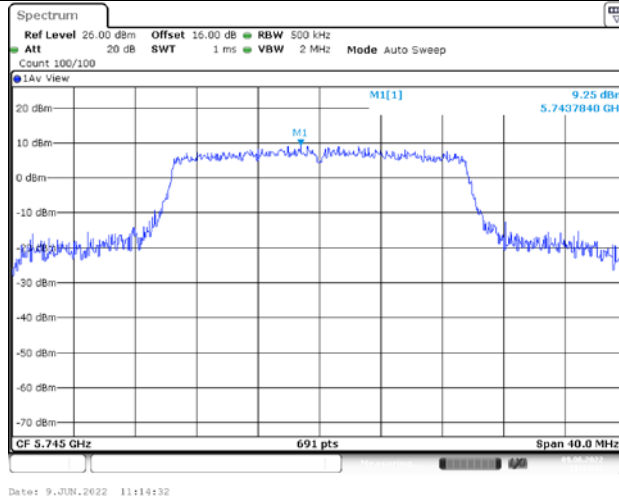
Date: 25.JUL.2022 17:14:12

11AX20MIMO\_242\_Ant1\_5745

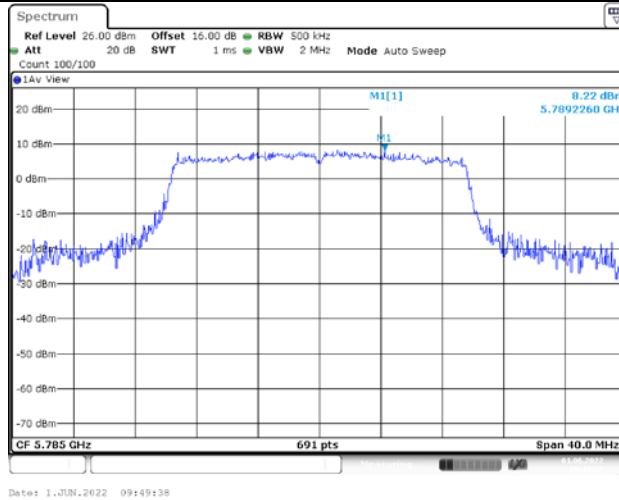


Date: 1.JUN.2022 09:48:09

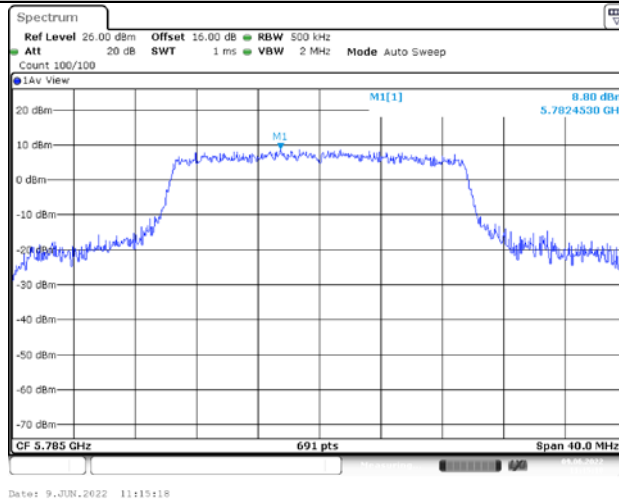
11AX20MIMO\_242\_Ant2\_5745



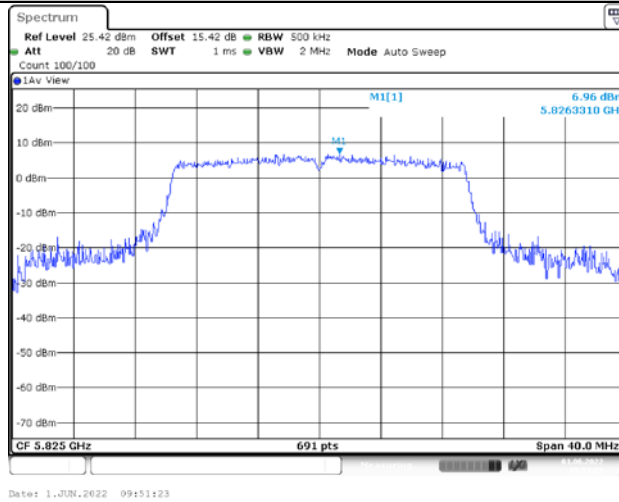
11AX20MIMO\_242\_Ant1\_5785



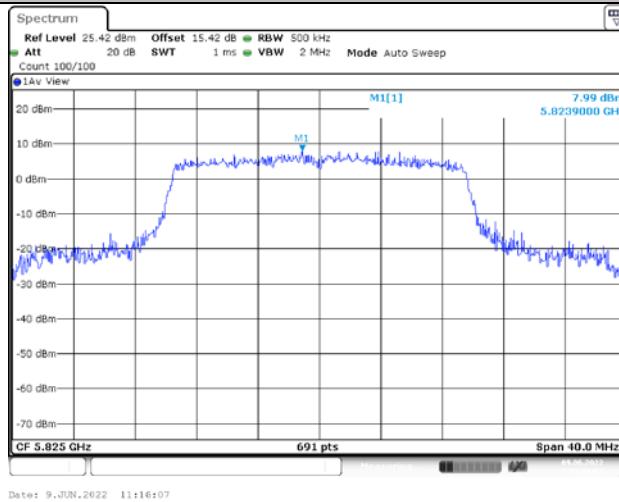
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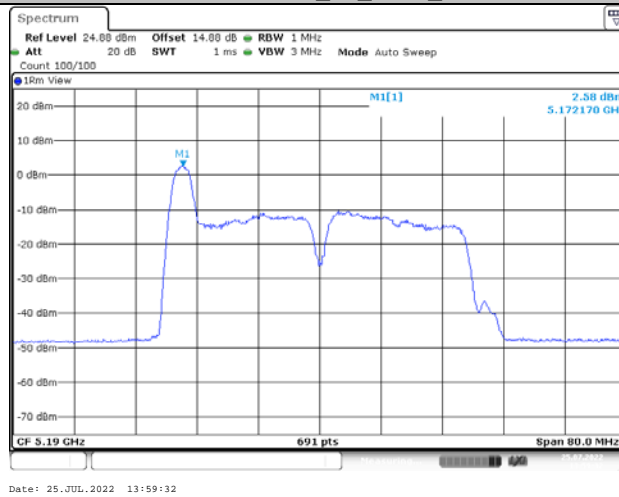
11AX20MIMO\_242\_Ant1\_5825



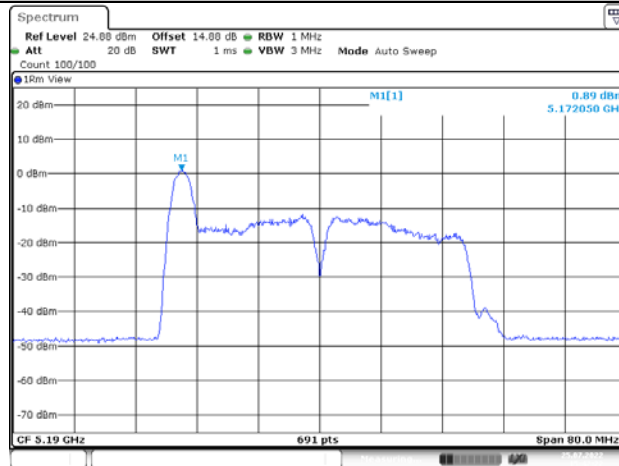
11AX20MIMO\_242\_Ant2\_5825



11AX40MIMO\_26\_Ant1\_5190

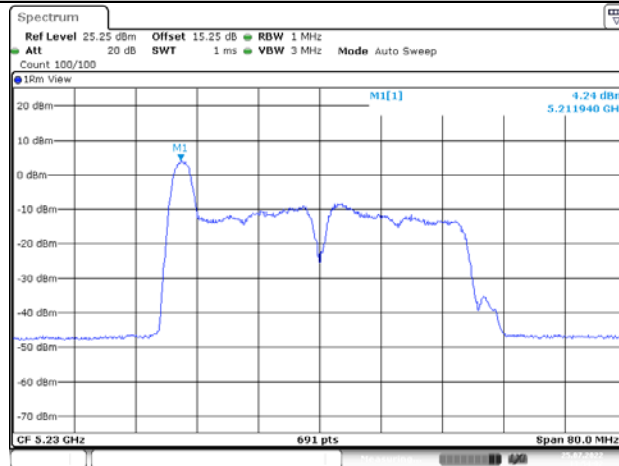


11AX40MIMO\_26\_Ant2\_5190



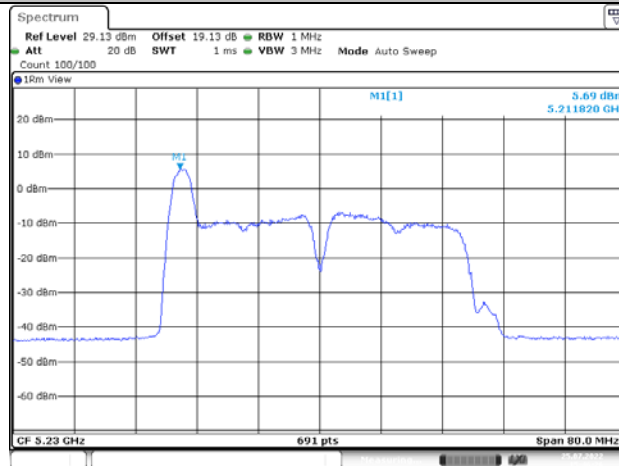
Date: 25.JUL.2022 15:42:22

11AX40MIMO\_26\_Ant1\_5230



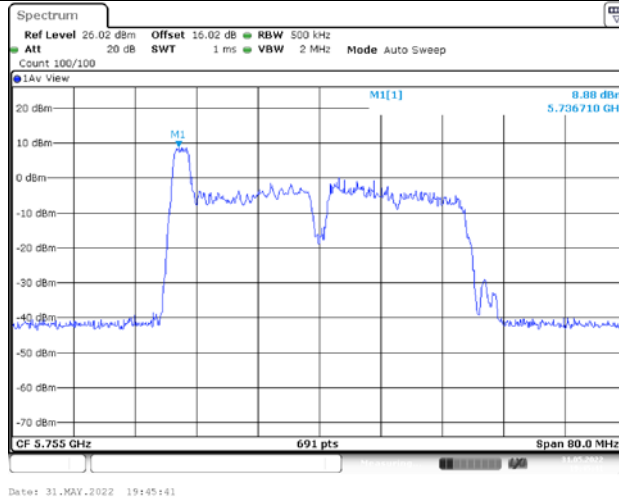
Date: 25.JUL.2022 13:54:02

11AX40MIMO\_26\_Ant2\_5230

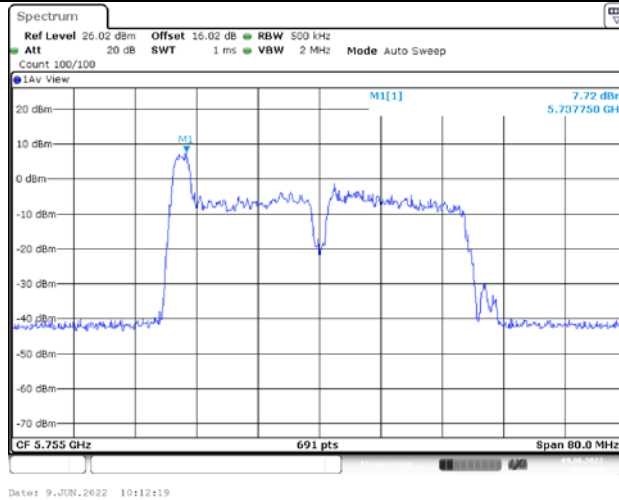


Date: 25.JUL.2022 15:46:27

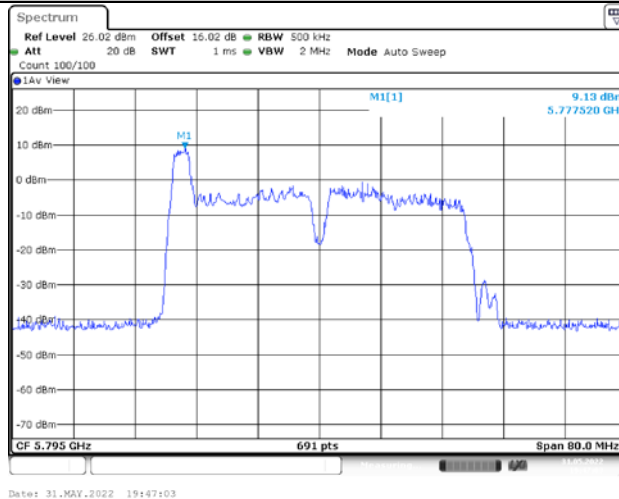
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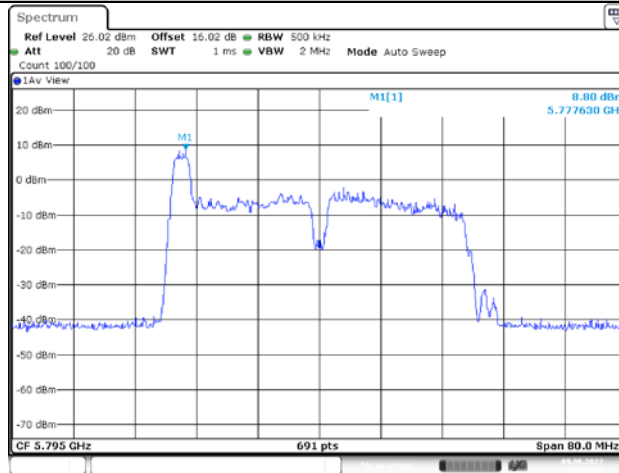
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11AX40MIMO\_26\_Ant1\_5795

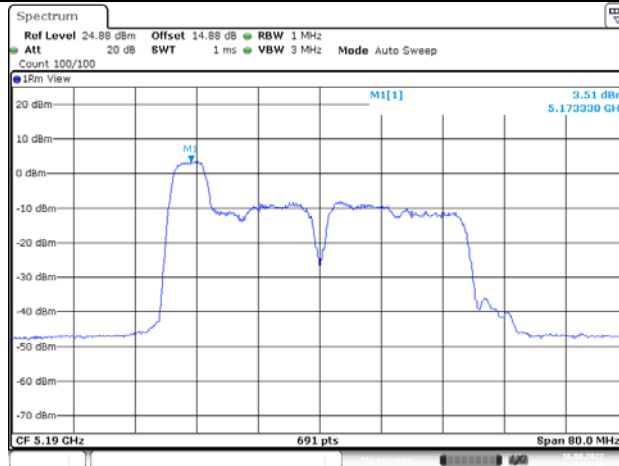


11AX40MIMO\_26\_Ant2\_5795



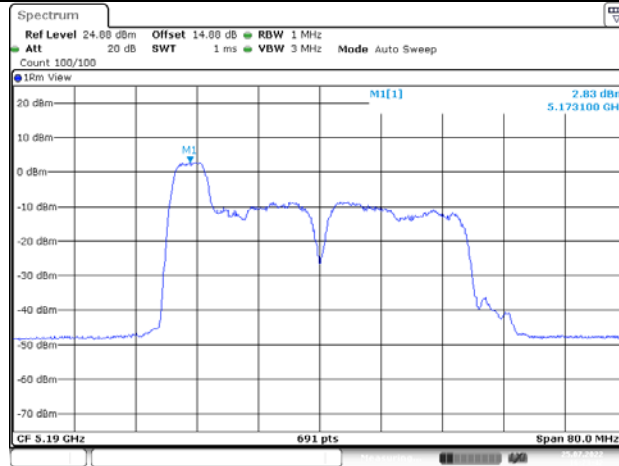
Date: 9 JUN 2022 10:12:59

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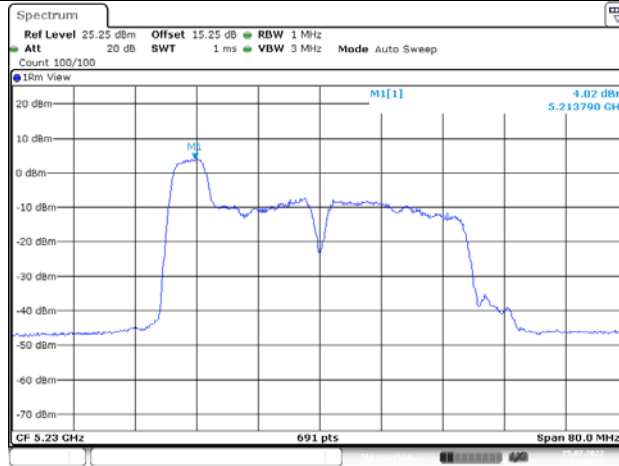
Date: 16 AUG 2022 15:13:42

11AX40MIMO\_52\_Ant2\_5190



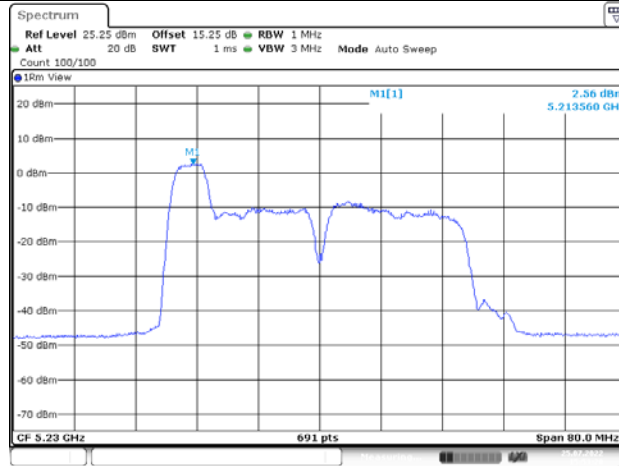
Date: 25 JUL 2022 16:23:43

11AX40MIMO\_52\_Ant1\_5230



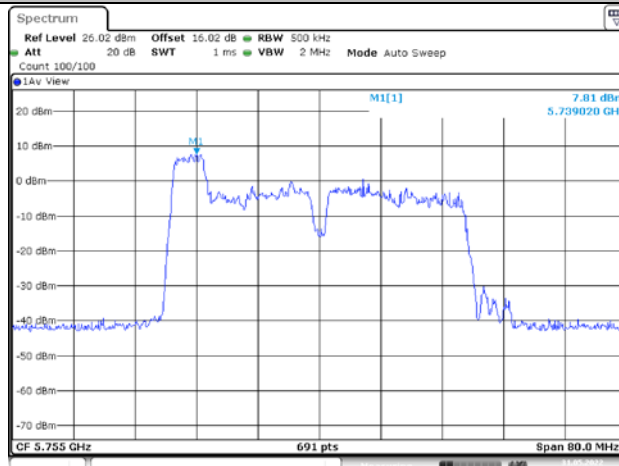
Date: 25.JUL.2022 14:09:17

11AX40MIMO\_52\_Ant2\_5230



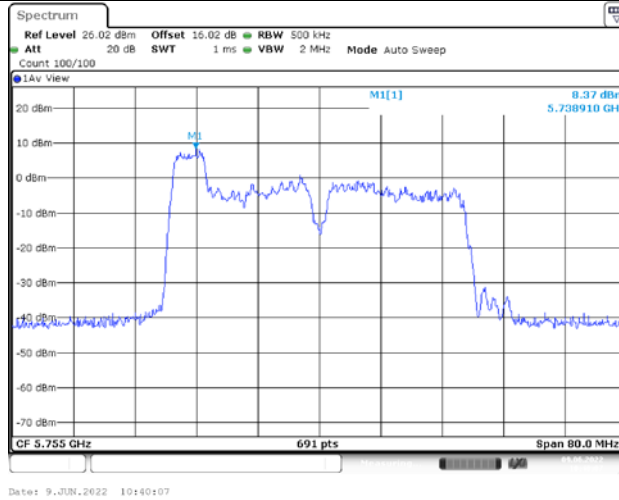
Date: 25.JUL.2022 15:53:20

11AX40MIMO\_52\_Ant1\_5755



Date: 31.MAY.2022 20:44:02

11AX40MIMO\_52\_Ant2\_5755



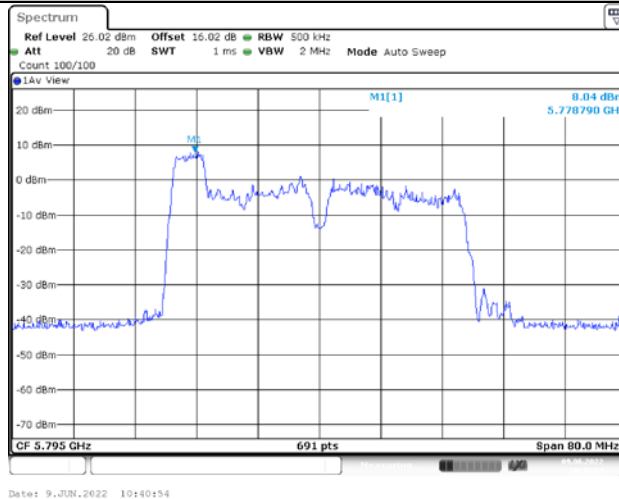
Date: 9 JUN 2022 10:40:07

11AX40MIMO\_52\_Ant1\_5795



Date: 31 MAY 2022 20:45:54

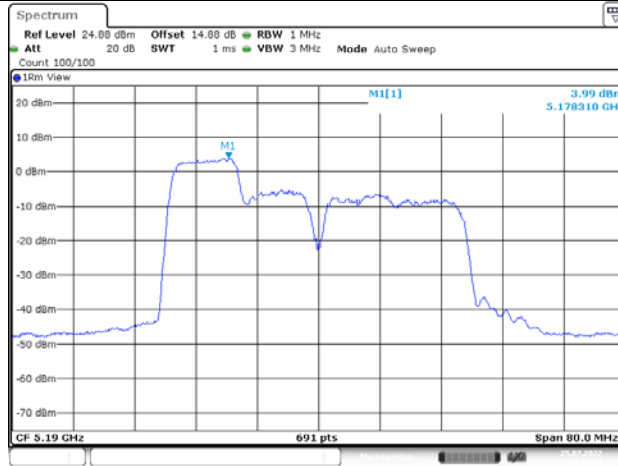
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Date: 9 JUN 2022 10:40:54



11AX40MIMO\_106\_Ant1\_5190



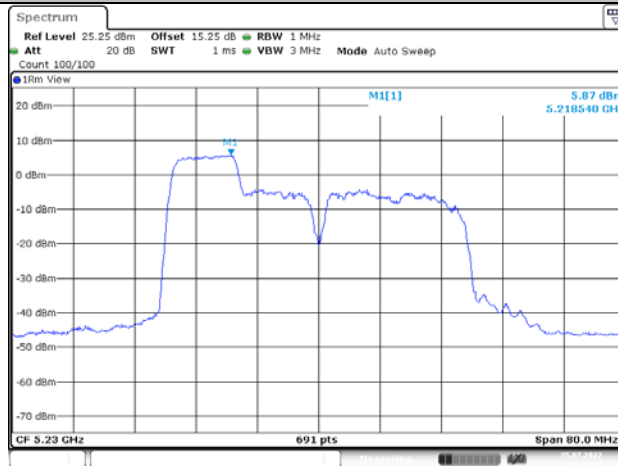
Date: 25.JUL.2022 14:15:23

11AX40MIMO\_106\_Ant2\_5190



Date: 25.JUL.2022 16:25:45

11AX40MIMO\_106\_Ant1\_5230



Date: 25.JUL.2022 14:17:27