

	total	5550	26Tone	RU0	12.26	≤24	PASS
			52Tone	RU37	13.49	≤24	PASS
			106Tone	RU53	13.64	≤24	PASS
			242Tone	RU61	13.62	≤24	PASS
			484Tone	RU65	13.23	≤24	PASS
	Ant1	5670	26Tone	RU0	9.32	≤24	PASS
			52Tone	RU37	10.50	≤24	PASS
			106Tone	RU53	10.73	≤24	PASS
			242Tone	RU61	10.98	≤24	PASS
			484Tone	RU65	10.65	≤24	PASS
	Ant2	5670	26Tone	RU0	9.22	≤24	PASS
			52Tone	RU37	10.36	≤24	PASS
			106Tone	RU53	10.38	≤24	PASS
			242Tone	RU61	10.35	≤24	PASS
			484Tone	RU65	9.84	≤24	PASS
	total	5670	26Tone	RU0	12.28	≤24	PASS
			52Tone	RU37	13.44	≤24	PASS
			106Tone	RU53	13.57	≤24	PASS
			242Tone	RU61	13.69	≤24	PASS
			484Tone	RU65	13.27	≤24	PASS
	Ant1	5755	26Tone	RU0	15.55	≤30.00	PASS
			52Tone	RU37	15.74	≤30.00	PASS
			106Tone	RU53	15.89	≤30.00	PASS
			242Tone	RU61	13.24	≤30.00	PASS
			484Tone	RU65	13.67	≤30.00	PASS
	Ant2	5755	26Tone	RU0	15.65	≤30.00	PASS
			52Tone	RU37	13.17	≤30.00	PASS
			106Tone	RU53	14.94	≤30.00	PASS
			242Tone	RU61	13.13	≤30.00	PASS
			484Tone	RU65	13.24	≤30.00	PASS
	total	5755	26Tone	RU0	18.61	≤30.00	PASS
			52Tone	RU37	17.65	≤30.00	PASS
			106Tone	RU53	18.45	≤30.00	PASS
			242Tone	RU61	16.20	≤30.00	PASS
			484Tone	RU65	16.47	≤30.00	PASS
	Ant1	5795	26Tone	RU0	15.32	≤30.00	PASS
			52Tone	RU37	15.39	≤30.00	PASS
			106Tone	RU53	15.65	≤30.00	PASS
			242Tone	RU61	13.08	≤30.00	PASS
			484Tone	RU65	13.49	≤30.00	PASS
Ant2	5795	26Tone	RU0	14.42	≤30.00	PASS	
		52Tone	RU37	14.75	≤30.00	PASS	
		106Tone	RU53	14.98	≤30.00	PASS	
		242Tone	RU61	12.25	≤30.00	PASS	
		484Tone	RU65	13.34	≤30.00	PASS	
total	5795	26Tone	RU0	17.90	≤30.00	PASS	
		52Tone	RU37	18.09	≤30.00	PASS	
		106Tone	RU53	18.34	≤30.00	PASS	
		242Tone	RU61	15.70	≤30.00	PASS	
		484Tone	RU65	16.43	≤30.00	PASS	
11AX80 MIMO	Ant1	5210	26Tone	RU0	8.70	≤24	PASS
			52Tone	RU37	9.01	≤24	PASS
			106Tone	RU53	9.07	≤24	PASS
			242Tone	RU61	9.14	≤24	PASS
			484Tone	RU65	8.91	≤24	PASS
	Ant2	5210	996Tone	RU67	9.44	≤24	PASS
			26Tone	RU0	9.65	≤24	PASS
			52Tone	RU37	9.85	≤24	PASS

			106Tone	RU53	10.08	≤24	PASS		
			242Tone	RU61	10.01	≤24	PASS		
			484Tone	RU65	9.76	≤24	PASS		
			996Tone	RU67	10.14	≤24	PASS		
	total	5210	26Tone	RU0	12.21	≤24	PASS		
			52Tone	RU37	12.46	≤24	PASS		
			106Tone	RU53	12.61	≤24	PASS		
			242Tone	RU61	12.61	≤24	PASS		
			484Tone	RU65	12.37	≤24	PASS		
			996Tone	RU67	12.81	≤24	PASS		
			Ant1	5290	26Tone	RU0	9.91	≤24	PASS
					52Tone	RU37	11.06	≤24	PASS
	106Tone	RU53			11.21	≤24	PASS		
	242Tone	RU61			11.38	≤24	PASS		
	484Tone	RU65			10.80	≤24	PASS		
	996Tone	RU67			11.32	≤24	PASS		
	Ant2	5290	26Tone	RU0	10.32	≤24	PASS		
			52Tone	RU37	11.37	≤24	PASS		
			106Tone	RU53	11.66	≤24	PASS		
			242Tone	RU61	11.76	≤24	PASS		
			484Tone	RU65	11.35	≤24	PASS		
	total	5290	996Tone	RU67	11.71	≤24	PASS		
			26Tone	RU0	13.13	≤24	PASS		
			52Tone	RU37	14.23	≤24	PASS		
			106Tone	RU53	14.45	≤24	PASS		
			242Tone	RU61	14.58	≤24	PASS		
			484Tone	RU65	14.09	≤24	PASS		
	Ant1	5530	996Tone	RU67	14.53	≤24	PASS		
			26Tone	RU0	9.27	≤24	PASS		
			52Tone	RU37	9.47	≤24	PASS		
			106Tone	RU53	9.73	≤24	PASS		
			242Tone	RU61	9.68	≤24	PASS		
			484Tone	RU65	8.92	≤24	PASS		
	Ant2	5530	996Tone	RU67	9.59	≤24	PASS		
			26Tone	RU0	8.79	≤24	PASS		
			52Tone	RU37	8.76	≤24	PASS		
			106Tone	RU53	9.07	≤24	PASS		
			242Tone	RU61	9.01	≤24	PASS		
			484Tone	RU65	8.08	≤24	PASS		
	total	5530	996Tone	RU67	8.31	≤24	PASS		
			26Tone	RU0	12.05	≤24	PASS		
			52Tone	RU37	12.14	≤24	PASS		
			106Tone	RU53	12.42	≤24	PASS		
			242Tone	RU61	12.37	≤24	PASS		
			484Tone	RU65	11.53	≤24	PASS		
	Ant1	5610	996Tone	RU67	12.01	≤24	PASS		
			26Tone	RU0	8.10	≤24	PASS		
			52Tone	RU37	8.27	≤24	PASS		
			106Tone	RU53	8.66	≤24	PASS		
			242Tone	RU61	8.65	≤24	PASS		
			484Tone	RU65	7.93	≤24	PASS		
	Ant2	5610	996Tone	RU67	8.41	≤24	PASS		
			26Tone	RU0	8.67	≤24	PASS		
			52Tone	RU37	8.87	≤24	PASS		
			106Tone	RU53	8.15	≤24	PASS		
			242Tone	RU61	8.07	≤24	PASS		
			484Tone	RU65	7.71	≤24	PASS		
			996Tone	RU67	8.33	≤24	PASS		

	total	5610	26Tone	RU0	11.40	$\leq 24$	PASS
			52Tone	RU37	11.59	$\leq 24$	PASS
			106Tone	RU53	11.42	$\leq 24$	PASS
			242Tone	RU61	11.38	$\leq 24$	PASS
			484Tone	RU65	10.83	$\leq 24$	PASS
			996Tone	RU67	11.38	$\leq 24$	PASS
	Ant1	5775	26Tone	RU0	12.63	$\leq 30.00$	PASS
			52Tone	RU37	15.85	$\leq 30.00$	PASS
			106Tone	RU53	16.00	$\leq 30.00$	PASS
			242Tone	RU61	15.96	$\leq 30.00$	PASS
			484Tone	RU65	16.33	$\leq 30.00$	PASS
			996Tone	RU67	16.50	$\leq 30.00$	PASS
	Ant2	5775	26Tone	RU0	13.64	$\leq 30.00$	PASS
			52Tone	RU37	15.49	$\leq 30.00$	PASS
			106Tone	RU53	15.68	$\leq 30.00$	PASS
			242Tone	RU61	14.96	$\leq 30.00$	PASS
			484Tone	RU65	14.91	$\leq 30.00$	PASS
			996Tone	RU67	15.20	$\leq 30.00$	PASS
total	5775	26Tone	RU0	16.17	$\leq 30.00$	PASS	
		52Tone	RU37	18.68	$\leq 30.00$	PASS	
		106Tone	RU53	18.85	$\leq 30.00$	PASS	
		242Tone	RU61	18.50	$\leq 30.00$	PASS	
		484Tone	RU65	18.69	$\leq 30.00$	PASS	
		996Tone	RU67	18.91	$\leq 30.00$	PASS	

## Note:

For 802.11 n/ac/ax mode, EUT support CDD

*Directional gain =  $G_{ANT} + \text{Array Gain}$*

*For output power measurement:*

*Array Gain=0dB for  $N_{ANT} \leq 4$*

*$G_{ANT1}=5\text{dBi}$ ,  $G_{ANT2}=4.5\text{dBi}$ , use the higher one to calculate the worst case*

*Directional gain=5dBi+0dB=5dBi  $\leq 6\text{dBi}$*

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

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict	
11A	Ant1	5180	10.66	≤11	PASS	
	Ant2	5180	9.95	≤11	PASS	
	Ant1	5200	9.16	≤11	PASS	
	Ant2	5200	9.36	≤11	PASS	
	Ant1	5240	10.07	≤11	PASS	
	Ant2	5240	10.79	≤11	PASS	
	Ant1	5260	9.1	≤11	PASS	
	Ant2	5260	10.82	≤11	PASS	
	Ant1	5280	9.27	≤11	PASS	
	Ant2	5280	10.15	≤11	PASS	
	Ant1	5320	9.22	≤11	PASS	
	Ant2	5320	10.97	≤11	PASS	
	Ant1	5500	10.65	≤11	PASS	
	Ant2	5500	8.63	≤11	PASS	
	Ant1	5580	9.92	≤11	PASS	
	Ant2	5580	8.77	≤11	PASS	
	Ant1	5700	9.02	≤11	PASS	
	Ant2	5700	10.56	≤11	PASS	
	Ant1	5745	8.69	≤30	PASS	
	Ant2	5745	8.91	≤30	PASS	
	Ant1	5785	8.78	≤30	PASS	
	Ant2	5785	9.8	≤30	PASS	
	Ant1	5825	9.53	≤30	PASS	
	Ant2	5825	9.39	≤30	PASS	
	11N20MIMO	Ant1	5180	7.01	≤9	PASS
		Ant2	5180	4.63	≤9	PASS
		total	5180	8.99	≤9	PASS
		Ant1	5200	5.9	≤9	PASS
Ant2		5200	3.44	≤9	PASS	
total		5200	7.85	≤9	PASS	
Ant1		5240	6.69	≤9	PASS	
Ant2		5240	4.22	≤9	PASS	
total		5240	8.64	≤9	PASS	
Ant1		5260	6.84	≤9	PASS	
Ant2		5260	4.69	≤9	PASS	
total		5260	8.91	≤9	PASS	
Ant1		5280	6.5	≤9	PASS	
Ant2		5280	4.55	≤9	PASS	
total		5280	8.64	≤9	PASS	
Ant1		5320	6.3	≤9	PASS	
Ant2		5320	4.02	≤9	PASS	
total		5320	8.32	≤9	PASS	
Ant1		5500	5.33	≤9	PASS	
Ant2		5500	5.26	≤9	PASS	
total		5500	8.31	≤9	PASS	
Ant1		5580	5.33	≤9	PASS	
Ant2		5580	5.3	≤9	PASS	
total		5580	8.33	≤9	PASS	
Ant1		5700	5.57	≤9	PASS	
Ant2		5700	4.64	≤9	PASS	
total		5700	8.14	≤9	PASS	
Ant1		5745	8.28	≤28	PASS	
Ant2		5745	10.08	≤28	PASS	
total		5745	12.28	≤28	PASS	
Ant1		5785	7.51	≤28	PASS	

	Ant2	5785	9.8	≤28	PASS
	total	5785	11.81	≤28	PASS
	Ant1	5825	7.99	≤28	PASS
	Ant2	5825	10.31	≤28	PASS
	total	5825	12.31	≤28	PASS
11N40MIMO	Ant1	5190	4.91	≤9	PASS
	Ant2	5190	6.46	≤9	PASS
	total	5190	8.76	≤9	PASS
	Ant1	5230	4.33	≤9	PASS
	Ant2	5230	6.63	≤9	PASS
	total	5230	8.64	≤9	PASS
	Ant1	5270	4.31	≤9	PASS
	Ant2	5270	6.97	≤9	PASS
	total	5270	8.85	≤9	PASS
	Ant1	5310	4.12	≤9	PASS
	Ant2	5310	6.72	≤9	PASS
	total	5310	8.62	≤9	PASS
	Ant1	5510	5.2	≤9	PASS
	Ant2	5510	5.29	≤9	PASS
	total	5510	8.26	≤9	PASS
	Ant1	5550	5.77	≤9	PASS
	Ant2	5550	4.68	≤9	PASS
	total	5550	8.27	≤9	PASS
	Ant1	5670	4.34	≤9	PASS
	Ant2	5670	6.63	≤9	PASS
	total	5670	8.64	≤9	PASS
	Ant1	5755	4.33	≤28	PASS
	Ant2	5755	6.71	≤28	PASS
	total	5755	8.69	≤28	PASS
	Ant1	5795	4.68	≤28	PASS
	Ant2	5795	6.88	≤28	PASS
	total	5795	8.93	≤28	PASS
	11AC20MIMO	Ant1	5180	5.37	≤9
Ant2		5180	6.22	≤9	PASS
total		5180	8.83	≤9	PASS
Ant1		5200	4.51	≤9	PASS
Ant2		5200	6.23	≤9	PASS
total		5200	8.46	≤9	PASS
Ant1		5240	4.89	≤9	PASS
Ant2		5240	6.26	≤9	PASS
total		5240	8.64	≤9	PASS
Ant1		5260	4.83	≤9	PASS
Ant2		5260	6.62	≤9	PASS
total		5260	8.83	≤9	PASS
Ant1		5280	4.83	≤9	PASS
Ant2		5280	6.44	≤9	PASS
total		5280	8.72	≤9	PASS
Ant1		5320	4.48	≤9	PASS
Ant2		5320	6.5	≤9	PASS
total		5320	8.62	≤9	PASS
Ant1		5500	5.57	≤9	PASS
Ant2		5500	5.62	≤9	PASS
total		5500	8.61	≤9	PASS
Ant1		5580	4.96	≤9	PASS
Ant2		5580	5.59	≤9	PASS
total		5580	8.30	≤9	PASS
Ant1		5700	4.79	≤9	PASS
Ant2		5700	6.17	≤9	PASS
total		5700	8.54	≤9	PASS
Ant1		5745	7.2	≤28	PASS
Ant2		5745	9.26	≤28	PASS

	total	5745	11.36	≤28	PASS
	Ant1	5785	7.26	≤28	PASS
	Ant2	5785	9.59	≤28	PASS
	total	5785	11.59	≤28	PASS
	Ant1	5825	8.19	≤28	PASS
	Ant2	5825	10.13	≤28	PASS
	total	5825	12.28	≤28	PASS
11AC40MIMO	Ant1	5190	4.68	≤9	PASS
	Ant2	5190	5.23	≤9	PASS
	total	5190	7.97	≤9	PASS
	Ant1	5230	4.77	≤9	PASS
	Ant2	5230	6.76	≤9	PASS
	total	5230	8.89	≤9	PASS
	Ant1	5270	4.88	≤9	PASS
	Ant2	5270	6.73	≤9	PASS
	total	5270	8.91	≤9	PASS
	Ant1	5310	4.56	≤9	PASS
	Ant2	5310	5.76	≤9	PASS
	total	5310	8.21	≤9	PASS
	Ant1	5510	5.16	≤9	PASS
	Ant2	5510	4.53	≤9	PASS
	total	5510	7.87	≤9	PASS
	Ant1	5550	5.1	≤9	PASS
	Ant2	5550	5.26	≤9	PASS
	total	5550	8.19	≤9	PASS
	Ant1	5670	4.63	≤9	PASS
	Ant2	5670	5.92	≤9	PASS
	total	5670	8.33	≤9	PASS
	Ant1	5755	4.11	≤28	PASS
	Ant2	5755	6.35	≤28	PASS
	total	5755	8.38	≤28	PASS
	Ant1	5795	4.53	≤28	PASS
	Ant2	5795	7.14	≤28	PASS
	total	5795	9.04	≤28	PASS
11AC80MIMO	Ant1	5210	4.76	≤9	PASS
	Ant2	5210	4.23	≤9	PASS
	total	5210	7.51	≤9	PASS
	Ant1	5290	4.61	≤9	PASS
	Ant2	5290	5.98	≤9	PASS
	total	5290	8.36	≤9	PASS
	Ant1	5530	5.03	≤9	PASS
	Ant2	5530	5.27	≤9	PASS
	total	5530	8.16	≤9	PASS
	Ant1	5610	5.23	≤9	PASS
	Ant2	5610	3.54	≤9	PASS
	total	5610	7.48	≤9	PASS
	Ant1	5775	1.22	≤28	PASS
	Ant2	5775	3.22	≤28	PASS
	total	5775	5.34	≤28	PASS

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11AX20MIMO	Ant1	5180	26Tone	RU0	5.14	≤9	PASS
			52Tone	RU37	5.48	≤9	PASS
			106Tone	RU53	4.19	≤9	PASS
			242Tone	RU61	0.65	≤9	PASS
	Ant2	5180	26Tone	RU0	4.29	≤9	PASS
			52Tone	RU37	4.77	≤9	PASS
			106Tone	RU53	3.41	≤9	PASS
			242Tone	RU61	-0.22	≤9	PASS
	total	5180	26Tone	RU0	7.75	≤9	PASS
			52Tone	RU37	8.15	≤9	PASS
			106Tone	RU53	6.83	≤9	PASS
			242Tone	RU61	3.25	≤9	PASS
	Ant1	5200	26Tone	RU0	4.93	≤9	PASS
			52Tone	RU37	5.22	≤9	PASS
			106Tone	RU53	3.9	≤9	PASS
			242Tone	RU61	0.67	≤9	PASS
	Ant2	5200	26Tone	RU0	4.06	≤9	PASS
			52Tone	RU37	4.46	≤9	PASS
			106Tone	RU53	3.39	≤9	PASS
			242Tone	RU61	0	≤9	PASS
	total	5200	26Tone	RU0	7.53	≤9	PASS
			52Tone	RU37	7.87	≤9	PASS
			106Tone	RU53	6.66	≤9	PASS
			242Tone	RU61	3.36	≤9	PASS
	Ant1	5240	26Tone	RU0	5.14	≤9	PASS
			52Tone	RU37	5.21	≤9	PASS
			106Tone	RU53	3.71	≤9	PASS
			242Tone	RU61	0.37	≤9	PASS
	Ant2	5240	26Tone	RU0	4.31	≤9	PASS
			52Tone	RU37	5.08	≤9	PASS
			106Tone	RU53	3.77	≤9	PASS
			242Tone	RU61	0.43	≤9	PASS
	total	5240	26Tone	RU0	7.76	≤9	PASS
			52Tone	RU37	8.16	≤9	PASS
			106Tone	RU53	6.75	≤9	PASS
			242Tone	RU61	3.41	≤9	PASS
	Ant1	5260	26Tone	RU0	5.75	≤9	PASS
			52Tone	RU37	5.84	≤9	PASS
			106Tone	RU53	3.68	≤9	PASS
			242Tone	RU61	0.44	≤9	PASS
	Ant2	5260	26Tone	RU0	4.49	≤9	PASS
			52Tone	RU37	5.88	≤9	PASS
			106Tone	RU53	3.68	≤9	PASS
			242Tone	RU61	0.56	≤9	PASS
	total	5260	26Tone	RU0	8.18	≤9	PASS
			52Tone	RU37	8.87	≤9	PASS
			106Tone	RU53	6.69	≤9	PASS
			242Tone	RU61	3.51	≤9	PASS
Ant1	5280	26Tone	RU0	5.87	≤9	PASS	
		52Tone	RU37	5.9	≤9	PASS	
		106Tone	RU53	5.52	≤9	PASS	
		242Tone	RU61	1.84	≤9	PASS	
Ant2	5280	26Tone	RU0	4.58	≤9	PASS	
		52Tone	RU37	5.89	≤9	PASS	
		106Tone	RU53	5.31	≤9	PASS	

	total	5280	242Tone	RU61	2.17	≤9	PASS
			26Tone	RU0	8.28	≤9	PASS
			52Tone	RU37	8.91	≤9	PASS
			106Tone	RU53	8.43	≤9	PASS
	Ant1	5320	242Tone	RU61	5.02	≤9	PASS
			26Tone	RU0	5.06	≤9	PASS
			52Tone	RU37	5.25	≤9	PASS
			106Tone	RU53	5.57	≤9	PASS
	Ant2	5320	242Tone	RU61	1.88	≤9	PASS
			26Tone	RU0	4.24	≤9	PASS
			52Tone	RU37	4.94	≤9	PASS
			106Tone	RU53	5.21	≤9	PASS
	total	5320	242Tone	RU61	1.76	≤9	PASS
			26Tone	RU0	7.68	≤9	PASS
			52Tone	RU37	8.11	≤9	PASS
			106Tone	RU53	8.40	≤9	PASS
	Ant1	5500	242Tone	RU61	4.83	≤9	PASS
			26Tone	RU0	5.29	≤9	PASS
			52Tone	RU37	5.47	≤9	PASS
			106Tone	RU53	5.34	≤9	PASS
	Ant2	5500	242Tone	RU61	1.65	≤9	PASS
			26Tone	RU0	5.99	≤9	PASS
			52Tone	RU37	5.09	≤9	PASS
			106Tone	RU53	4.77	≤9	PASS
	total	5500	242Tone	RU61	1.15	≤9	PASS
			26Tone	RU0	8.66	≤9	PASS
			52Tone	RU37	8.29	≤9	PASS
			106Tone	RU53	8.07	≤9	PASS
Ant1	5580	242Tone	RU61	4.42	≤9	PASS	
		26Tone	RU0	5.04	≤9	PASS	
		52Tone	RU37	5.03	≤9	PASS	
		106Tone	RU53	4.87	≤9	PASS	
Ant2	5580	242Tone	RU61	1.72	≤9	PASS	
		26Tone	RU0	4.73	≤9	PASS	
		52Tone	RU37	4.71	≤9	PASS	
		106Tone	RU53	4.25	≤9	PASS	
total	5580	242Tone	RU61	1.08	≤9	PASS	
		26Tone	RU0	7.90	≤9	PASS	
		52Tone	RU37	7.88	≤9	PASS	
		106Tone	RU53	7.58	≤9	PASS	
Ant1	5700	242Tone	RU61	4.42	≤9	PASS	
		26Tone	RU0	5.44	≤9	PASS	
		52Tone	RU37	5.81	≤9	PASS	
		106Tone	RU53	4.18	≤9	PASS	
Ant2	5700	242Tone	RU61	0.6	≤9	PASS	
		26Tone	RU0	5.53	≤9	PASS	
		52Tone	RU37	4.9	≤9	PASS	
		106Tone	RU53	3.37	≤9	PASS	
total	5700	242Tone	RU61	-0.03	≤9	PASS	
		26Tone	RU0	8.50	≤9	PASS	
		52Tone	RU37	8.39	≤9	PASS	
		106Tone	RU53	6.80	≤9	PASS	
Ant1	5745	242Tone	RU61	3.31	≤9	PASS	
		26Tone	RU0	9.61	≤28	PASS	
		52Tone	RU37	6.66	≤28	PASS	
		106Tone	RU53	3.61	≤28	PASS	
Ant2	5745	242Tone	RU61	-1.54	≤28	PASS	
		26Tone	RU0	9.53	≤28	PASS	



			52Tone	RU37	6.43	≤28	PASS
			106Tone	RU53	3.88	≤28	PASS
			242Tone	RU61	-1.45	≤28	PASS
	total	5745	26Tone	RU0	12.58	≤28	PASS
			52Tone	RU37	9.56	≤28	PASS
			106Tone	RU53	6.76	≤28	PASS
	Ant1	5785	242Tone	RU61	1.52	≤28	PASS
			26Tone	RU0	9.65	≤28	PASS
			52Tone	RU37	6.69	≤28	PASS
	Ant2	5785	106Tone	RU53	3.75	≤28	PASS
			242Tone	RU61	-1.9	≤28	PASS
			26Tone	RU0	9.88	≤28	PASS
	Ant2	5785	52Tone	RU37	6.85	≤28	PASS
			106Tone	RU53	3.91	≤28	PASS
			242Tone	RU61	-1.13	≤28	PASS
	total	5785	26Tone	RU0	12.78	≤28	PASS
			52Tone	RU37	9.78	≤28	PASS
			106Tone	RU53	6.84	≤28	PASS
	Ant1	5825	242Tone	RU61	1.51	≤28	PASS
			26Tone	RU0	9.38	≤28	PASS
			52Tone	RU37	6.3	≤28	PASS
	Ant1	5825	106Tone	RU53	3.38	≤28	PASS
			242Tone	RU61	-1.85	≤28	PASS
			26Tone	RU0	9.85	≤28	PASS
Ant2	5825	52Tone	RU37	7.17	≤28	PASS	
		106Tone	RU53	4.05	≤28	PASS	
		242Tone	RU61	-0.77	≤28	PASS	
total	5825	26Tone	RU0	12.63	≤28	PASS	
		52Tone	RU37	9.77	≤28	PASS	
		106Tone	RU53	6.74	≤28	PASS	
11AX40MIMO	Ant1	5190	242Tone	RU61	1.73	≤28	PASS
			26Tone	RU0	5.87	≤9	PASS
			52Tone	RU37	5.86	≤9	PASS
	Ant2	5190	106Tone	RU53	5.88	≤9	PASS
			242Tone	RU61	-1.45	≤9	PASS
			484Tone	RU65	-3.87	≤9	PASS
	Ant2	5190	26Tone	RU0	5.3	≤9	PASS
			52Tone	RU37	4.64	≤9	PASS
			106Tone	RU53	5.59	≤9	PASS
	Ant2	5190	242Tone	RU61	-1.02	≤9	PASS
			484Tone	RU65	-3.72	≤9	PASS
			26Tone	RU0	8.60	≤9	PASS
	total	5190	52Tone	RU37	8.30	≤9	PASS
			106Tone	RU53	8.75	≤9	PASS
			242Tone	RU61	1.78	≤9	PASS
	total	5190	484Tone	RU65	-0.78	≤9	PASS
			26Tone	RU0	4.47	≤9	PASS
			52Tone	RU37	5.64	≤9	PASS
	Ant1	5230	106Tone	RU53	5.44	≤9	PASS
			242Tone	RU61	-0.72	≤9	PASS
			484Tone	RU65	-3.32	≤9	PASS
	Ant1	5230	26Tone	RU0	5.37	≤9	PASS
			52Tone	RU37	6.21	≤9	PASS
			106Tone	RU53	5.64	≤9	PASS
Ant2	5230	242Tone	RU61	-0.35	≤9	PASS	
		484Tone	RU65	-4.23	≤9	PASS	
		26Tone	RU0	7.95	≤9	PASS	
total	5230	52Tone	RU37	8.94	≤9	PASS	

			106Tone	RU53	8.55	≤9	PASS	
			242Tone	RU61	2.48	≤9	PASS	
			484Tone	RU65	-0.74	≤9	PASS	
	Ant1	5270	26Tone	RU0	5.03	≤9	PASS	
			52Tone	RU37	5.33	≤9	PASS	
			106Tone	RU53	5.55	≤9	PASS	
				242Tone	RU61	-1.34	≤9	PASS
				484Tone	RU65	-3.44	≤9	PASS
				26Tone	RU0	4.23	≤9	PASS
	Ant2	5270	52Tone	RU37	5.93	≤9	PASS	
			106Tone	RU53	4.51	≤9	PASS	
			242Tone	RU61	-1.11	≤9	PASS	
				484Tone	RU65	-3.53	≤9	PASS
				26Tone	RU0	7.66	≤9	PASS
				52Tone	RU37	8.65	≤9	PASS
	total	5270	106Tone	RU53	8.07	≤9	PASS	
			242Tone	RU61	1.79	≤9	PASS	
			484Tone	RU65	-0.47	≤9	PASS	
	Ant1	5310	26Tone	RU0	5.4	≤9	PASS	
			52Tone	RU37	5.51	≤9	PASS	
			106Tone	RU53	5.56	≤9	PASS	
				242Tone	RU61	-1.22	≤9	PASS
				484Tone	RU65	-3.84	≤9	PASS
				26Tone	RU0	4.57	≤9	PASS
	Ant2	5310	52Tone	RU37	5.59	≤9	PASS	
			106Tone	RU53	4.71	≤9	PASS	
			242Tone	RU61	-0.52	≤9	PASS	
				484Tone	RU65	-3.38	≤9	PASS
				26Tone	RU0	8.02	≤9	PASS
				52Tone	RU37	8.56	≤9	PASS
	total	5310	106Tone	RU53	8.17	≤9	PASS	
			242Tone	RU61	2.15	≤9	PASS	
			484Tone	RU65	-0.59	≤9	PASS	
	Ant1	5510	26Tone	RU0	5.66	≤9	PASS	
			52Tone	RU37	4	≤9	PASS	
			106Tone	RU53	1.16	≤9	PASS	
				242Tone	RU61	-2.24	≤9	PASS
				484Tone	RU65	-5.74	≤9	PASS
				26Tone	RU0	4.54	≤9	PASS
	Ant2	5510	52Tone	RU37	2.59	≤9	PASS	
			106Tone	RU53	-0.47	≤9	PASS	
			242Tone	RU61	-3.32	≤9	PASS	
				484Tone	RU65	-6.95	≤9	PASS
				26Tone	RU0	8.15	≤9	PASS
				52Tone	RU37	6.36	≤9	PASS
	total	5510	106Tone	RU53	3.43	≤9	PASS	
			242Tone	RU61	0.26	≤9	PASS	
			484Tone	RU65	-3.29	≤9	PASS	
Ant1	5550	26Tone	RU0	5.51	≤9	PASS		
		52Tone	RU37	3.87	≤9	PASS		
		106Tone	RU53	0.69	≤9	PASS		
			242Tone	RU61	-2.53	≤9	PASS	
			484Tone	RU65	-6.04	≤9	PASS	
			26Tone	RU0	4.74	≤9	PASS	
Ant2	5550	52Tone	RU37	2.86	≤9	PASS		
		106Tone	RU53	-0.19	≤9	PASS		
		242Tone	RU61	-3.31	≤9	PASS		
			484Tone	RU65	-6.35	≤9	PASS	

	total	5550	26Tone	RU0	8.15	≤9	PASS
			52Tone	RU37	6.40	≤9	PASS
			106Tone	RU53	3.28	≤9	PASS
			242Tone	RU61	0.11	≤9	PASS
			484Tone	RU65	-3.18	≤9	PASS
	Ant1	5670	26Tone	RU0	5.49	≤9	PASS
			52Tone	RU37	3.61	≤9	PASS
			106Tone	RU53	0.49	≤9	PASS
			242Tone	RU61	-2.29	≤9	PASS
			484Tone	RU65	-5.77	≤9	PASS
	Ant2	5670	26Tone	RU0	4.44	≤9	PASS
			52Tone	RU37	3.04	≤9	PASS
			106Tone	RU53	-0.72	≤9	PASS
			242Tone	RU61	-3.33	≤9	PASS
			484Tone	RU65	-6.85	≤9	PASS
	total	5670	26Tone	RU0	8.01	≤9	PASS
			52Tone	RU37	6.34	≤9	PASS
			106Tone	RU53	2.94	≤9	PASS
			242Tone	RU61	0.23	≤9	PASS
			484Tone	RU65	-3.27	≤9	PASS
Ant1	5755	26Tone	RU0	7.99	≤28	PASS	
		52Tone	RU37	5.25	≤28	PASS	
		106Tone	RU53	2.48	≤28	PASS	
		242Tone	RU61	-3.98	≤28	PASS	
		484Tone	RU65	-6.19	≤28	PASS	
Ant2	5755	26Tone	RU0	7.75	≤28	PASS	
		52Tone	RU37	2.45	≤28	PASS	
		106Tone	RU53	1.27	≤28	PASS	
		242Tone	RU61	-4.27	≤28	PASS	
		484Tone	RU65	-7.02	≤28	PASS	
total	5755	26Tone	RU0	10.88	≤28	PASS	
		52Tone	RU37	7.08	≤28	PASS	
		106Tone	RU53	4.93	≤28	PASS	
		242Tone	RU61	-1.11	≤28	PASS	
		484Tone	RU65	-3.57	≤28	PASS	
Ant1	5795	26Tone	RU0	8.19	≤28	PASS	
		52Tone	RU37	5.15	≤28	PASS	
		106Tone	RU53	2.04	≤28	PASS	
		242Tone	RU61	-3.46	≤28	PASS	
		484Tone	RU65	-5.81	≤28	PASS	
Ant2	5795	26Tone	RU0	6.67	≤28	PASS	
		52Tone	RU37	4.07	≤28	PASS	
		106Tone	RU53	1.07	≤28	PASS	
		242Tone	RU61	-4.71	≤28	PASS	
		484Tone	RU65	-6.47	≤28	PASS	
total	5795	26Tone	RU0	10.51	≤28	PASS	
		52Tone	RU37	7.65	≤28	PASS	
		106Tone	RU53	4.59	≤28	PASS	
		242Tone	RU61	-1.03	≤28	PASS	
		484Tone	RU65	-3.12	≤28	PASS	
11AX80MIMO	Ant1	5210	26Tone	RU0	4.58	≤9	PASS
			52Tone	RU37	1.99	≤9	PASS
			106Tone	RU53	-1.51	≤9	PASS
			242Tone	RU61	-4.27	≤9	PASS
			484Tone	RU65	-7.82	≤9	PASS
	Ant2	5210	996Tone	RU67	-9.99	≤9	PASS
			26Tone	RU0	5.3	≤9	PASS
			52Tone	RU37	2.76	≤9	PASS

			106Tone	RU53	-0.49	≤9	PASS	
			242Tone	RU61	-3.64	≤9	PASS	
			484Tone	RU65	-7.35	≤9	PASS	
			996Tone	RU67	-9.55	≤9	PASS	
	total	5210		26Tone	RU0	7.97	≤9	PASS
				52Tone	RU37	5.40	≤9	PASS
				106Tone	RU53	2.04	≤9	PASS
				242Tone	RU61	-0.93	≤9	PASS
	Ant1	5290		484Tone	RU65	-4.57	≤9	PASS
				996Tone	RU67	-6.75	≤9	PASS
				26Tone	RU0	5.33	≤9	PASS
				52Tone	RU37	3.92	≤9	PASS
	Ant2	5290		106Tone	RU53	0.85	≤9	PASS
				242Tone	RU61	-2.38	≤9	PASS
				484Tone	RU65	-5.17	≤9	PASS
				996Tone	RU67	-8.51	≤9	PASS
	total	5290		26Tone	RU0	5.69	≤9	PASS
				52Tone	RU37	4.02	≤9	PASS
				106Tone	RU53	0.85	≤9	PASS
				242Tone	RU61	-2.1	≤9	PASS
	Ant1	5530		484Tone	RU65	-5.06	≤9	PASS
				996Tone	RU67	-8.52	≤9	PASS
				26Tone	RU0	8.52	≤9	PASS
				52Tone	RU37	6.98	≤9	PASS
	Ant2	5530		106Tone	RU53	3.86	≤9	PASS
				242Tone	RU61	0.77	≤9	PASS
				484Tone	RU65	-2.10	≤9	PASS
				996Tone	RU67	-5.50	≤9	PASS
	total	5530		26Tone	RU0	5.13	≤9	PASS
				52Tone	RU37	2.42	≤9	PASS
				106Tone	RU53	-0.72	≤9	PASS
				242Tone	RU61	-3.82	≤9	PASS
	Ant1	5530		484Tone	RU65	-7.42	≤9	PASS
				996Tone	RU67	-10.33	≤9	PASS
				26Tone	RU0	4.32	≤9	PASS
				52Tone	RU37	1.56	≤9	PASS
Ant2	5530		106Tone	RU53	-1.58	≤9	PASS	
			242Tone	RU61	-4.39	≤9	PASS	
			484Tone	RU65	-9.02	≤9	PASS	
			996Tone	RU67	-11.67	≤9	PASS	
total	5530		26Tone	RU0	7.75	≤9	PASS	
			52Tone	RU37	5.02	≤9	PASS	
			106Tone	RU53	1.88	≤9	PASS	
			242Tone	RU61	-1.09	≤9	PASS	
Ant1	5610		484Tone	RU65	-5.14	≤9	PASS	
			996Tone	RU67	-7.94	≤9	PASS	
			26Tone	RU0	4.12	≤9	PASS	
			52Tone	RU37	1.49	≤9	PASS	
Ant2	5610		106Tone	RU53	-1.67	≤9	PASS	
			242Tone	RU61	-4.76	≤9	PASS	
			484Tone	RU65	-8.15	≤9	PASS	
			996Tone	RU67	-10.94	≤9	PASS	
			26Tone	RU0	3.9	≤9	PASS	
			52Tone	RU37	1.94	≤9	PASS	
			106Tone	RU53	-2.65	≤9	PASS	
			242Tone	RU61	-5.99	≤9	PASS	
			484Tone	RU65	-9.17	≤9	PASS	
			996Tone	RU67	-12.03	≤9	PASS	

	total	5610	26Tone	RU0	7.02	≤9	PASS
			52Tone	RU37	4.73	≤9	PASS
			106Tone	RU53	0.88	≤9	PASS
			242Tone	RU61	-2.32	≤9	PASS
			484Tone	RU65	-5.62	≤9	PASS
			996Tone	RU67	-8.44	≤9	PASS
	Ant1	5775	26Tone	RU0	5.21	≤28	PASS
			52Tone	RU37	5.36	≤28	PASS
			106Tone	RU53	1.97	≤28	PASS
			242Tone	RU61	-1.01	≤28	PASS
			484Tone	RU65	-3.42	≤28	PASS
			996Tone	RU67	-5.98	≤28	PASS
	Ant2	5775	26Tone	RU0	5.96	≤28	PASS
			52Tone	RU37	4.52	≤28	PASS
			106Tone	RU53	1.63	≤28	PASS
			242Tone	RU61	-2.42	≤28	PASS
			484Tone	RU65	-4.91	≤28	PASS
			996Tone	RU67	-7.57	≤28	PASS
	total	5775	26Tone	RU0	8.61	≤28	PASS
			52Tone	RU37	7.97	≤28	PASS
			106Tone	RU53	4.81	≤28	PASS
242Tone			RU61	1.35	≤28	PASS	
484Tone			RU65	-1.09	≤28	PASS	
996Tone			RU67	-3.69	≤28	PASS	

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

For 802.11 n/ac/ax mode, EUT support CDD

$Directional\ gain = G_{ANT} + Array\ Gain$

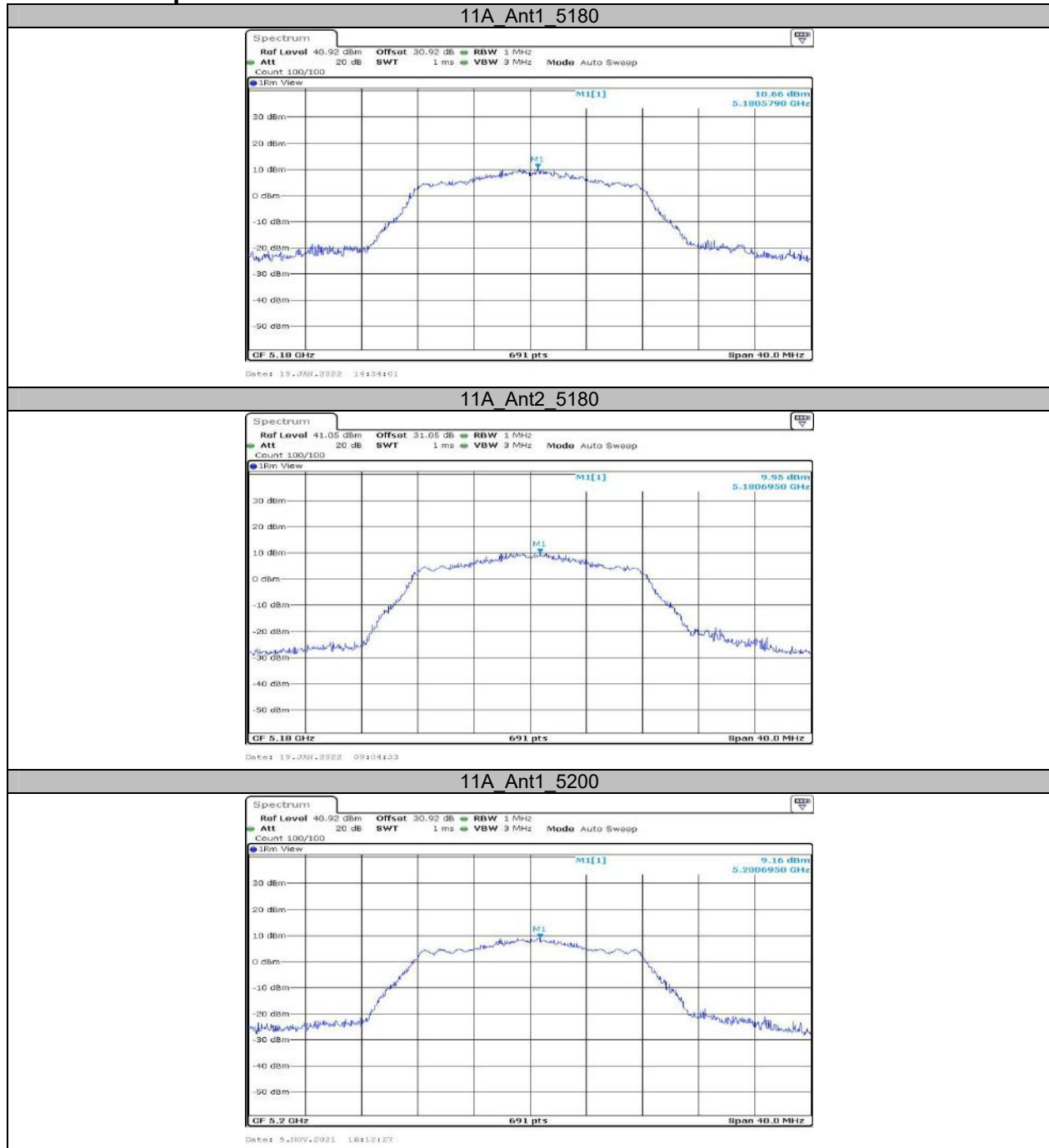
$Array\ Gain = 10 * \log_{N_{ANT}}$

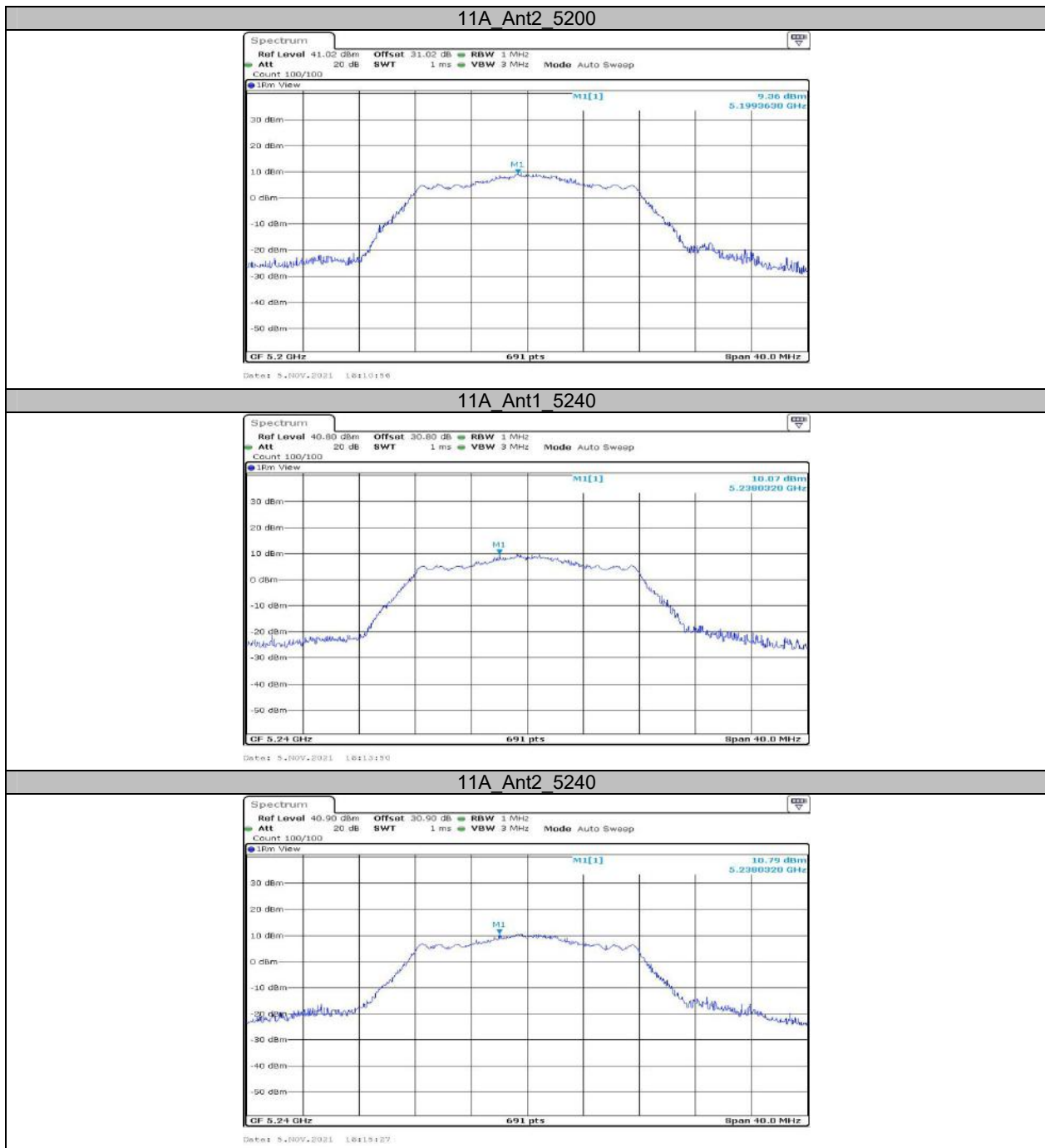
$G_{ANT1} = 5\text{dBi}$ ,  $G_{ANT2} = 4.5\text{dBi}$ , use the higher one to calculate the worst case

$Directional\ gain = 5\text{dBi} + 10 * \log 2\text{dB} = 8\text{dBi} > 6\text{dBi}$

So the limit should reduce 2dB.

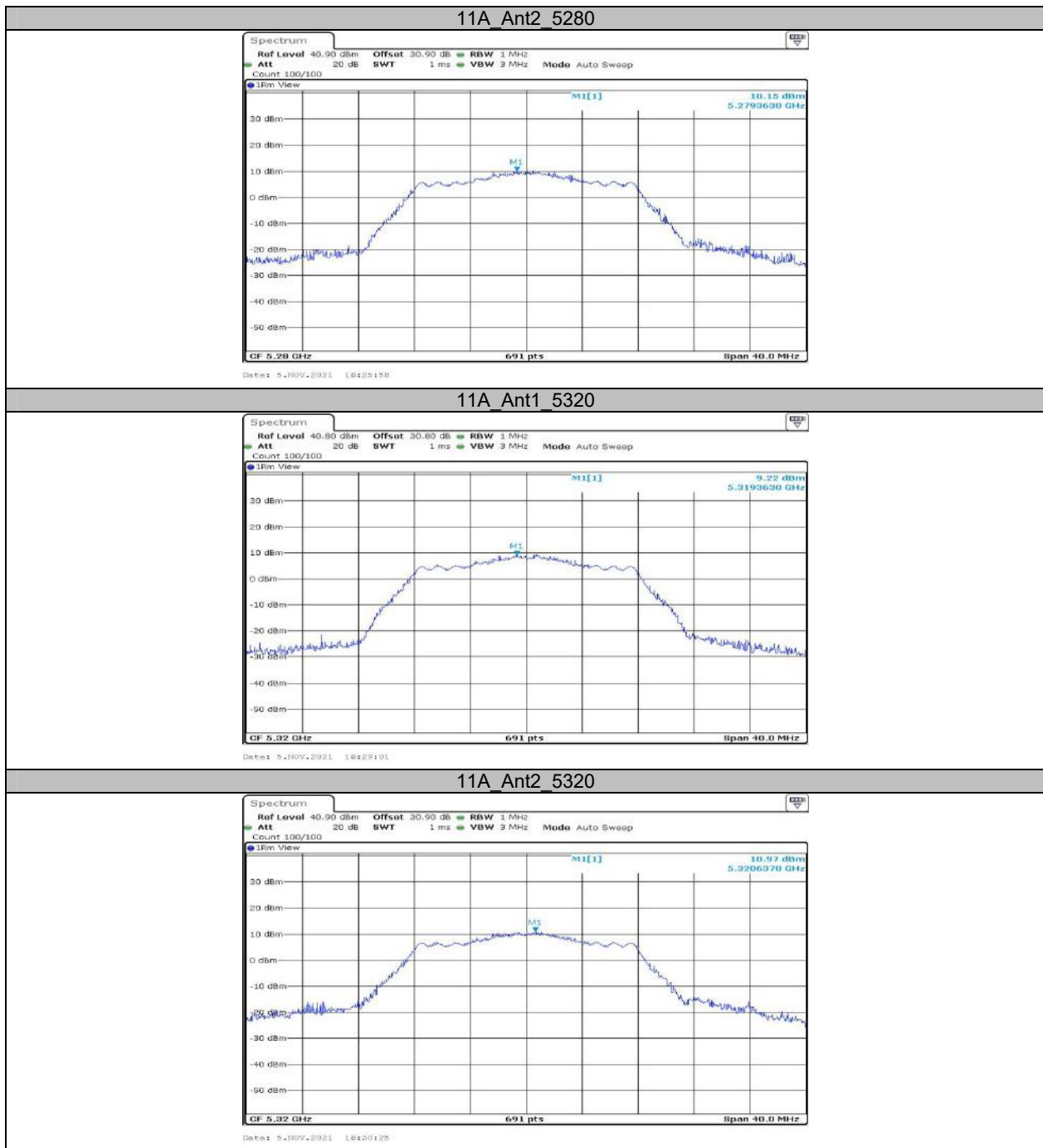
### Test Graphs

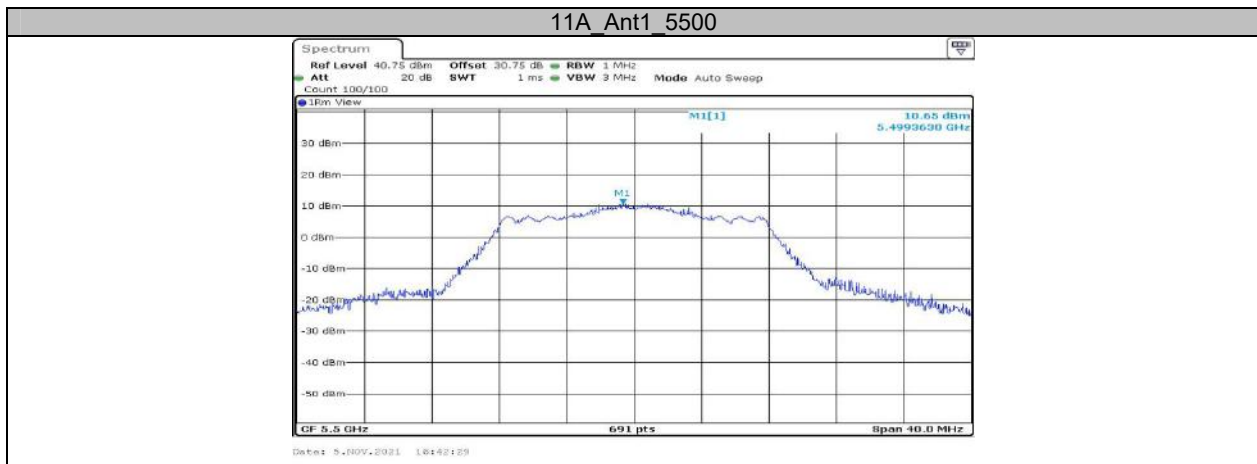


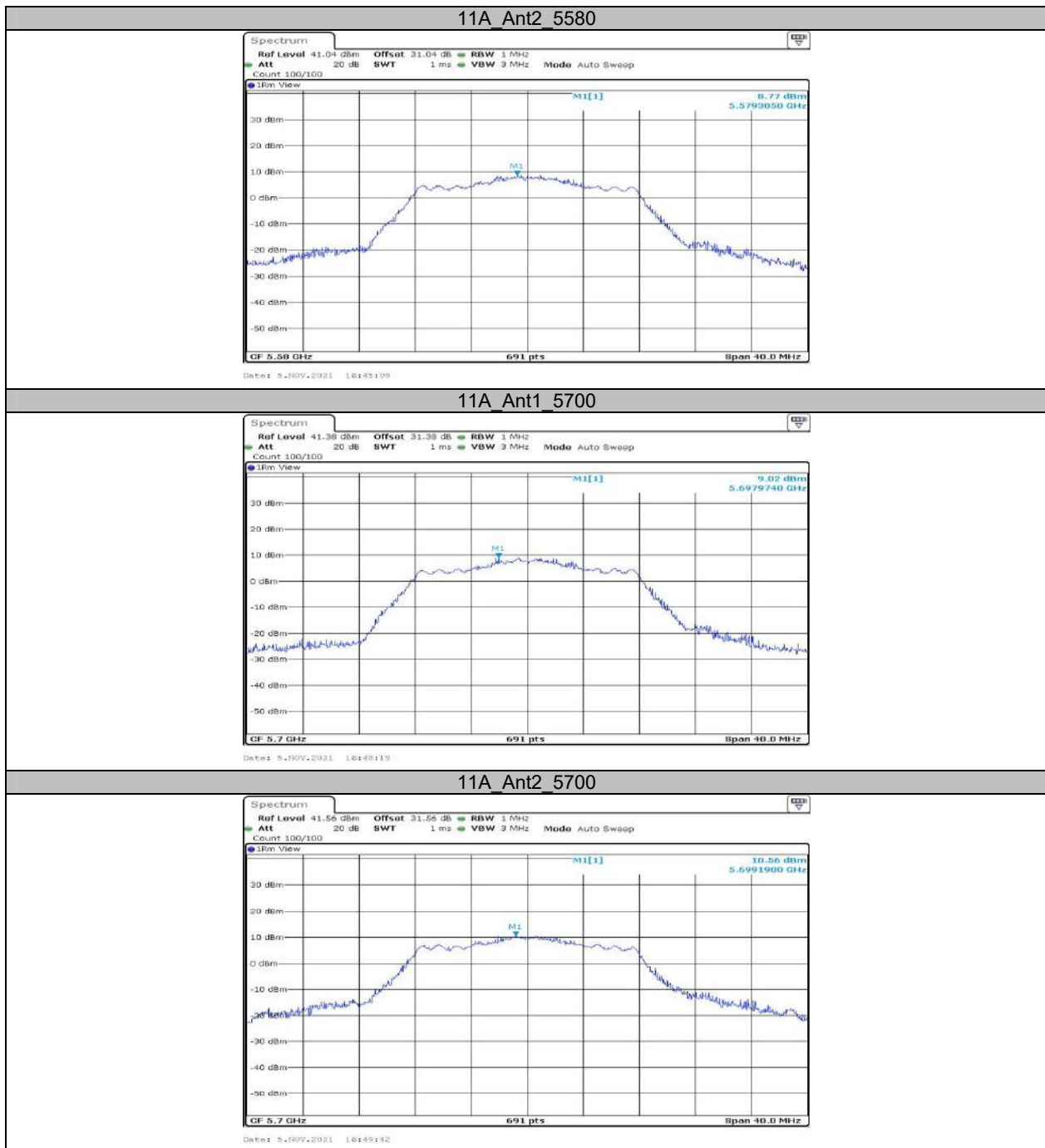


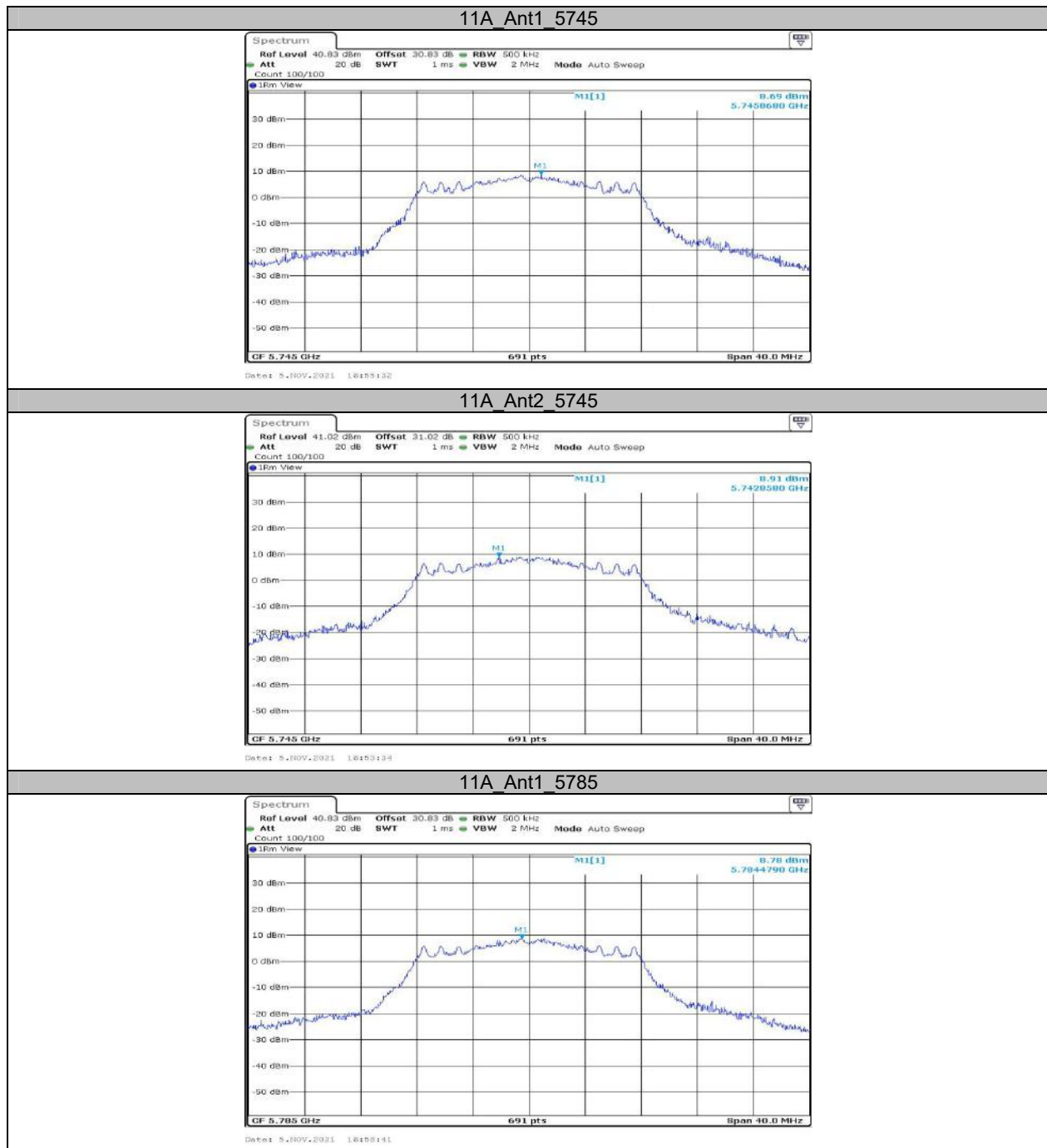


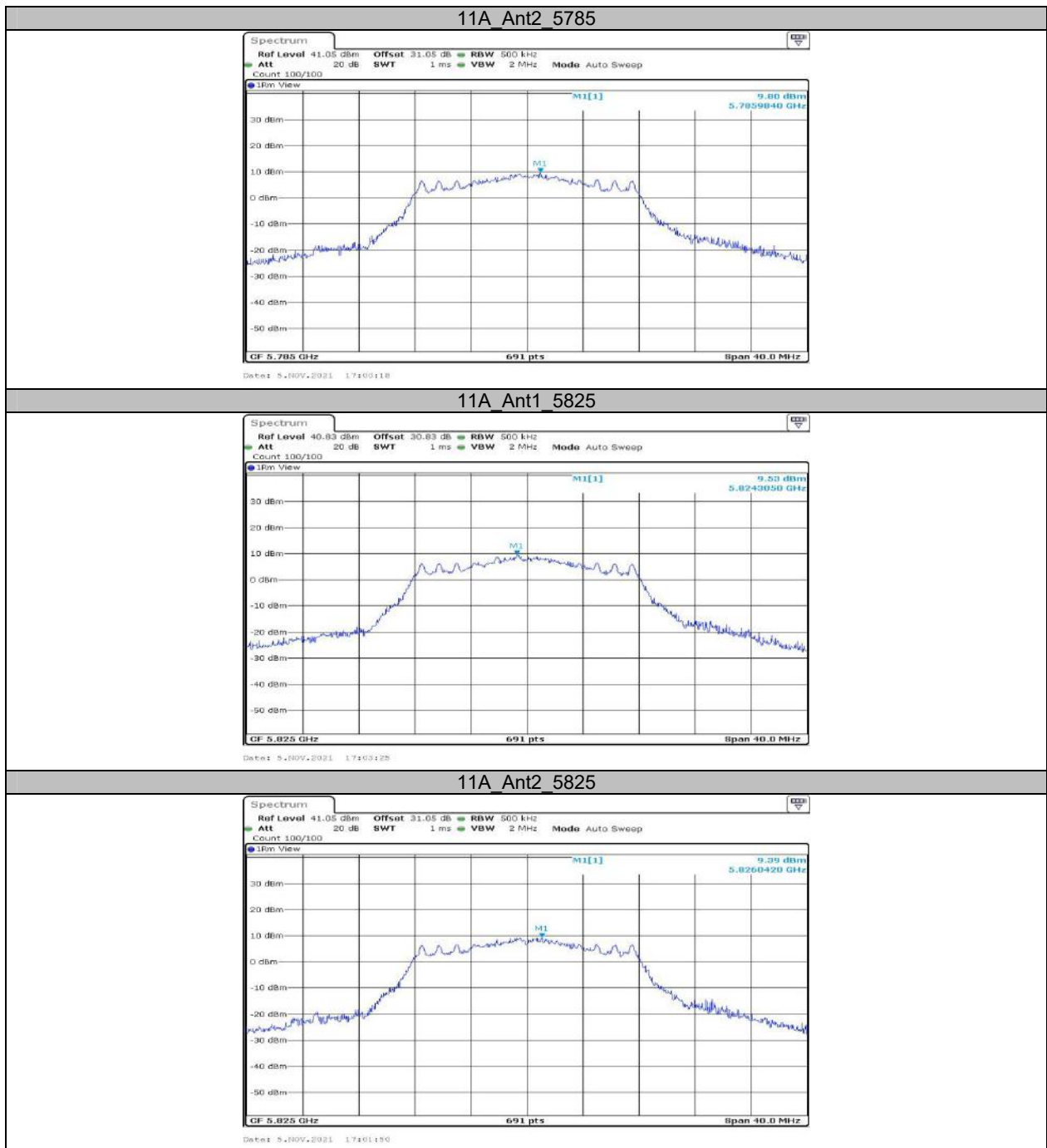


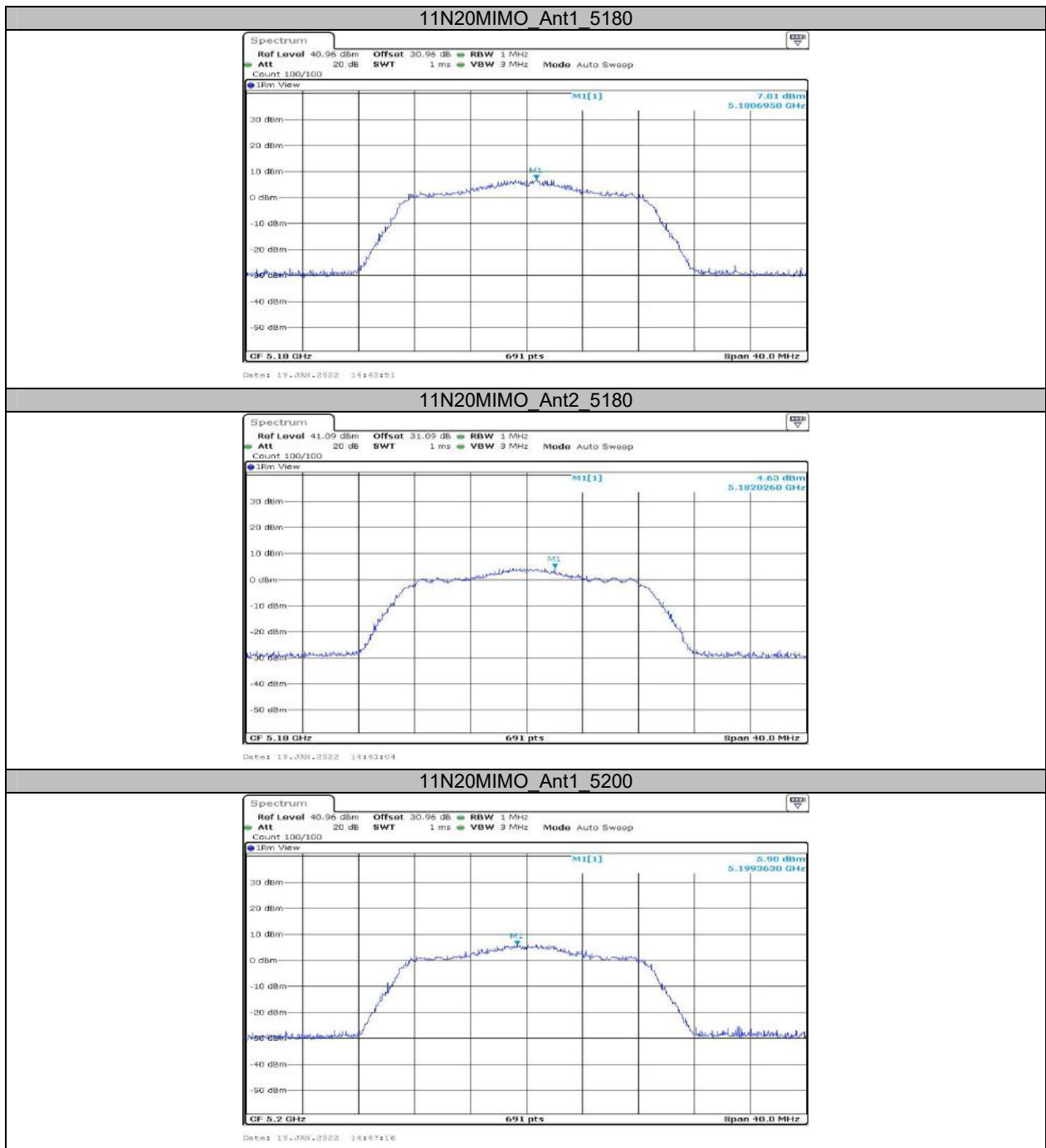








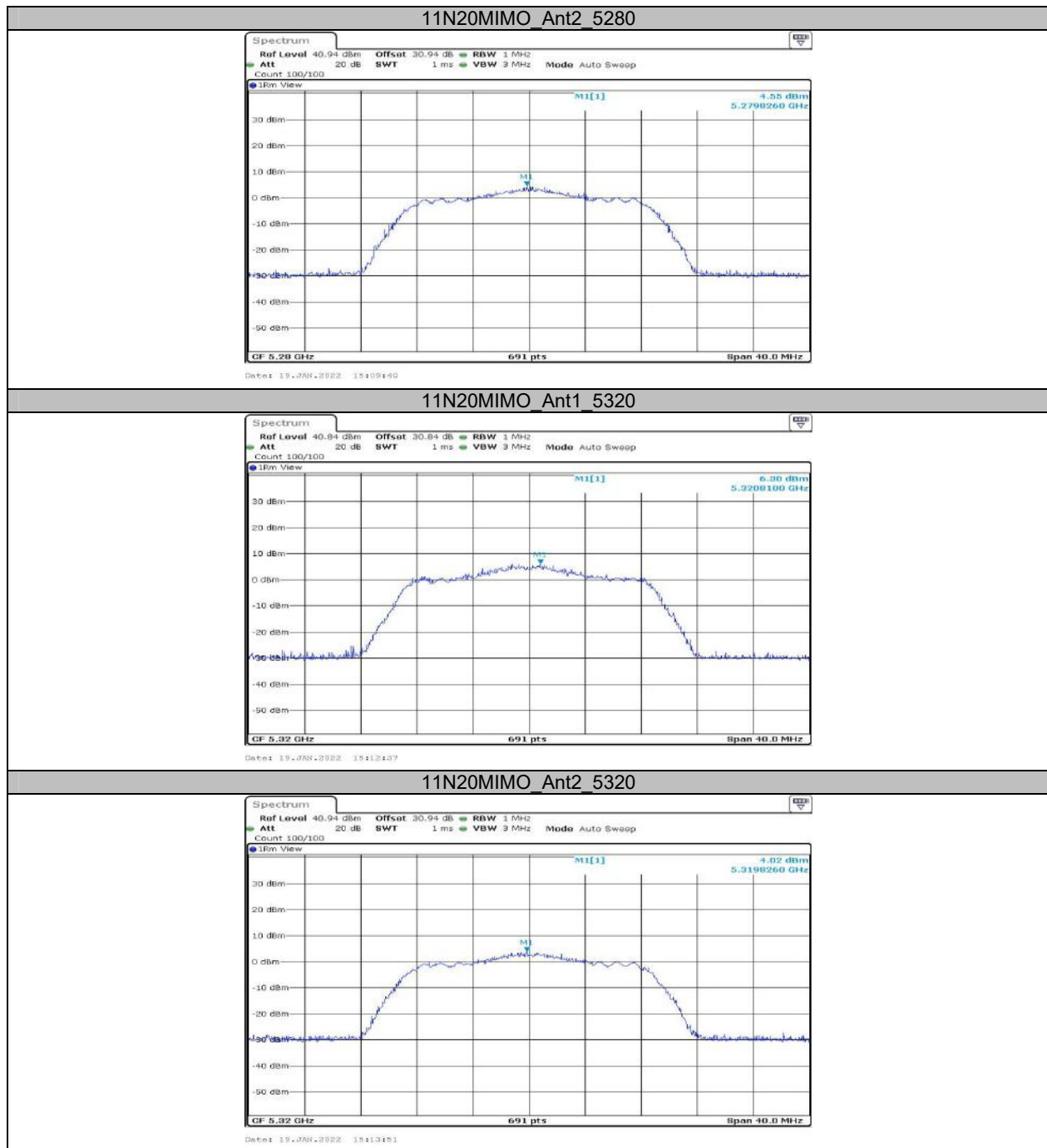


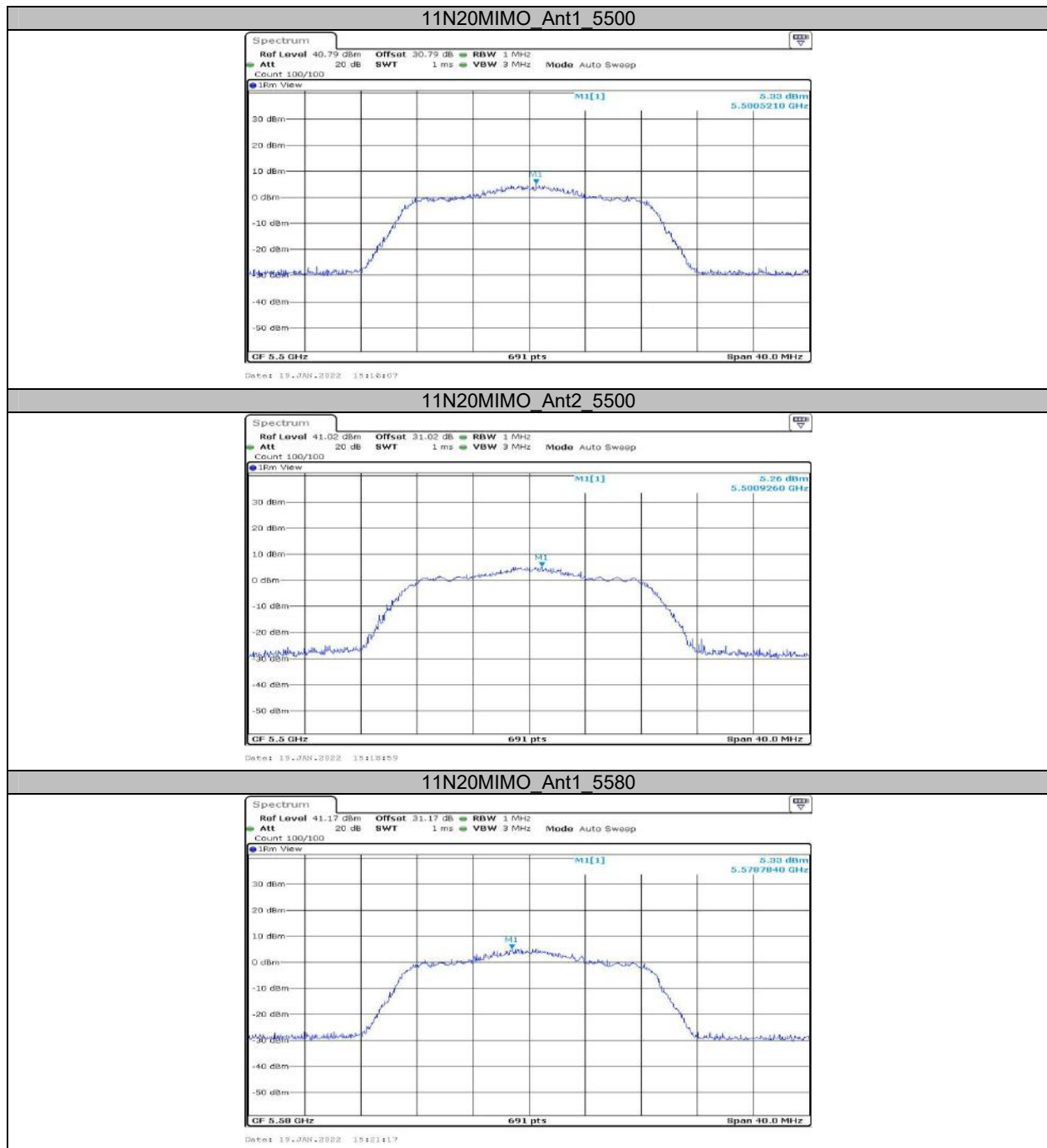


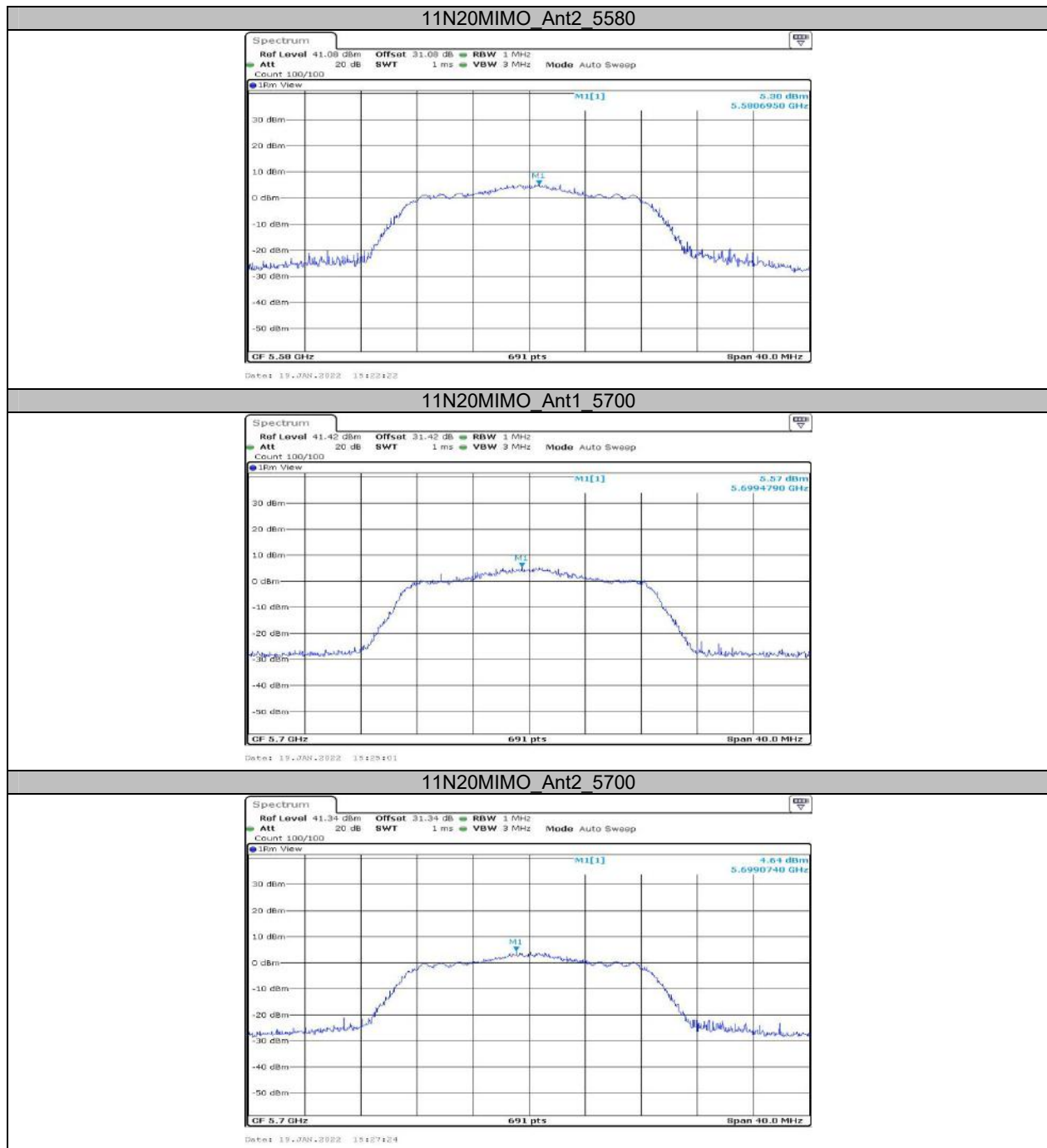


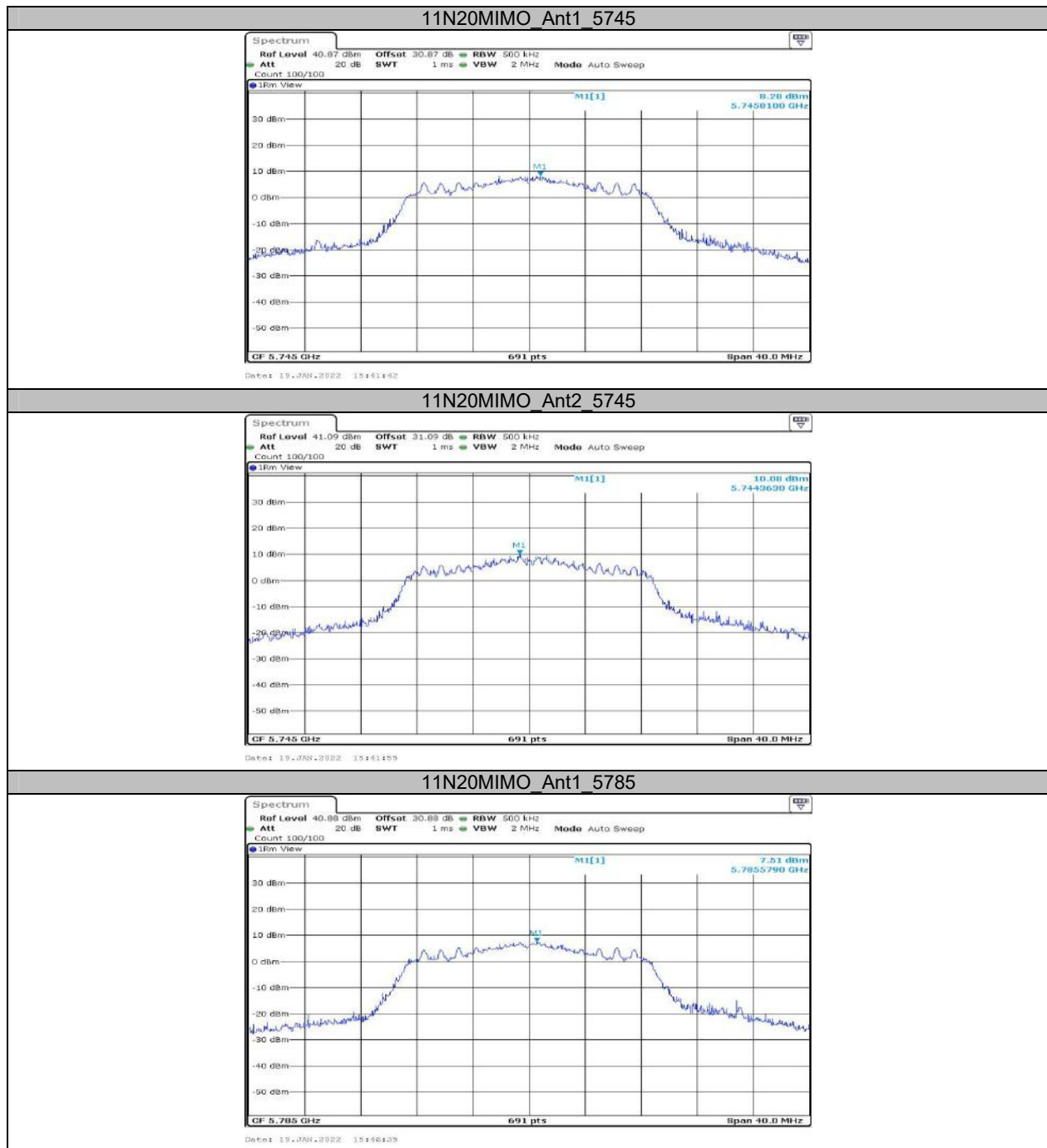


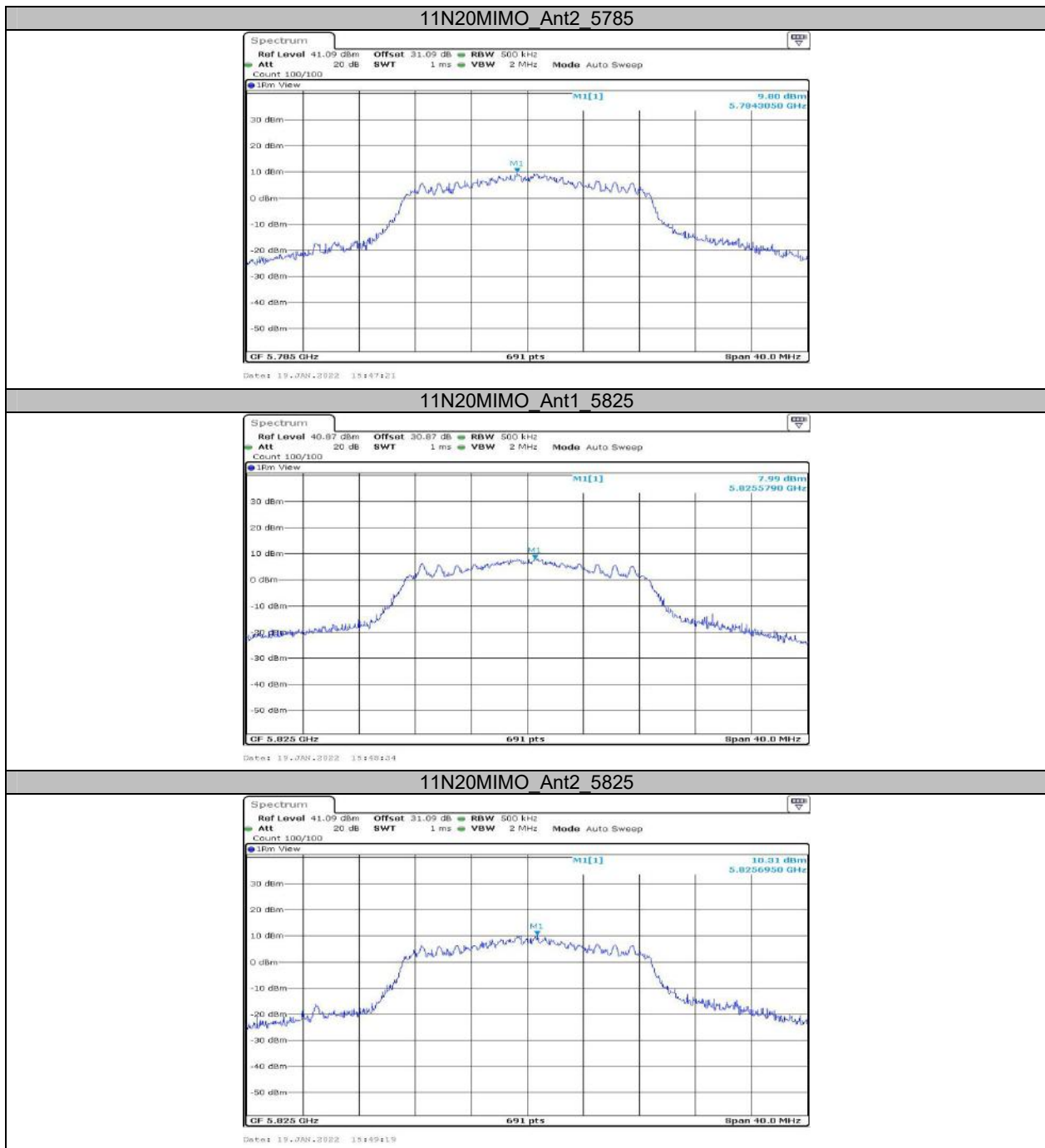


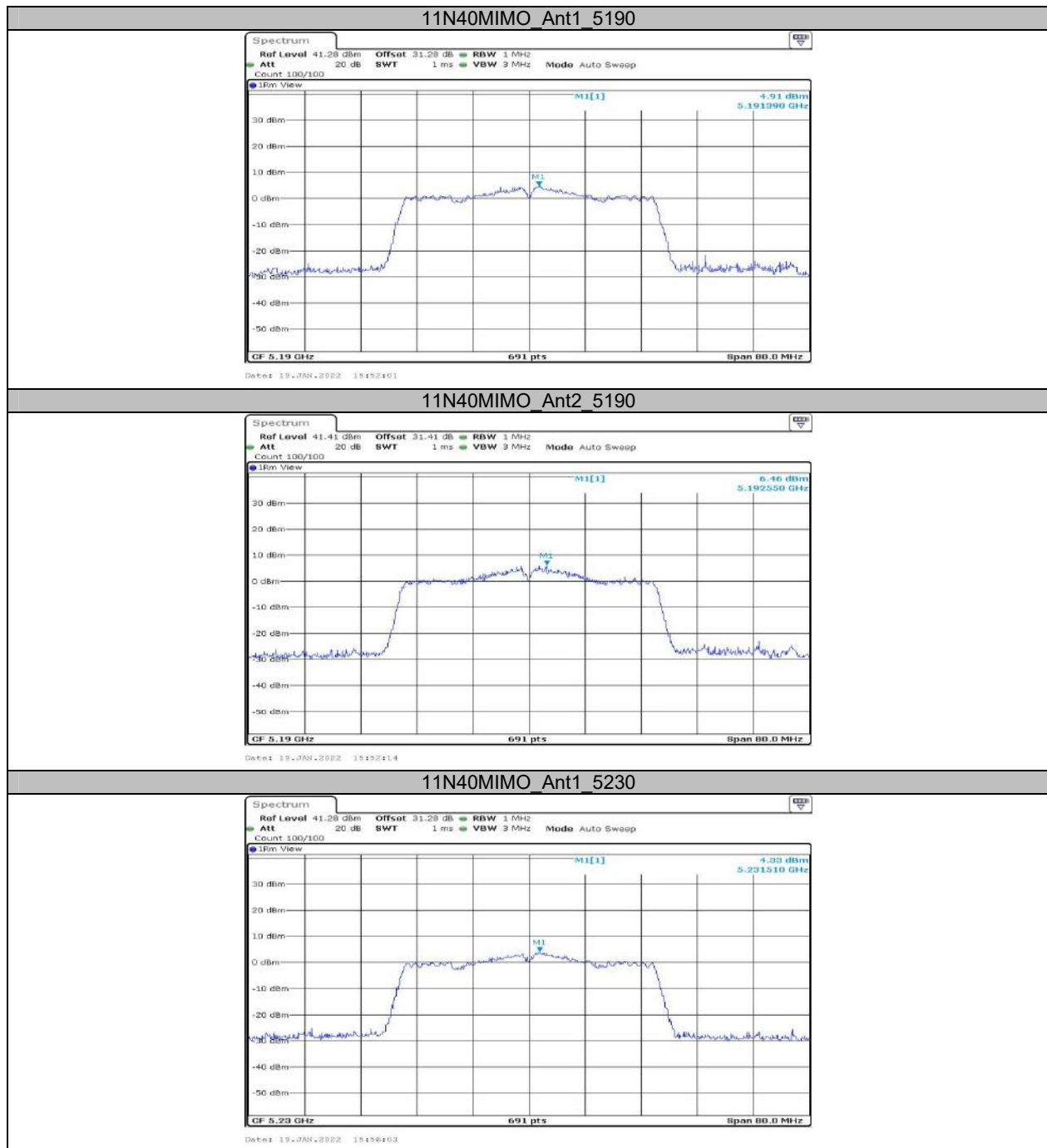


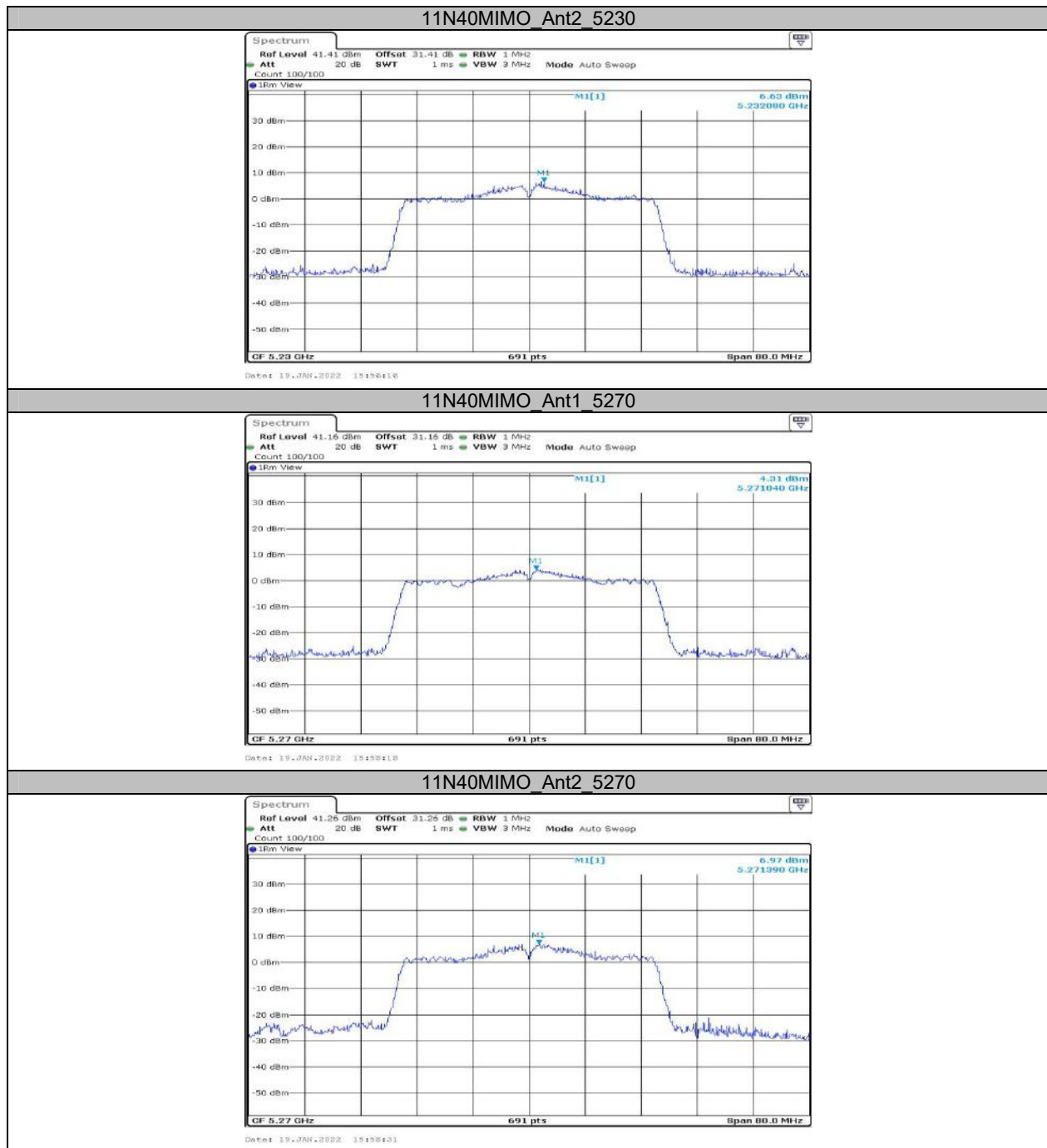


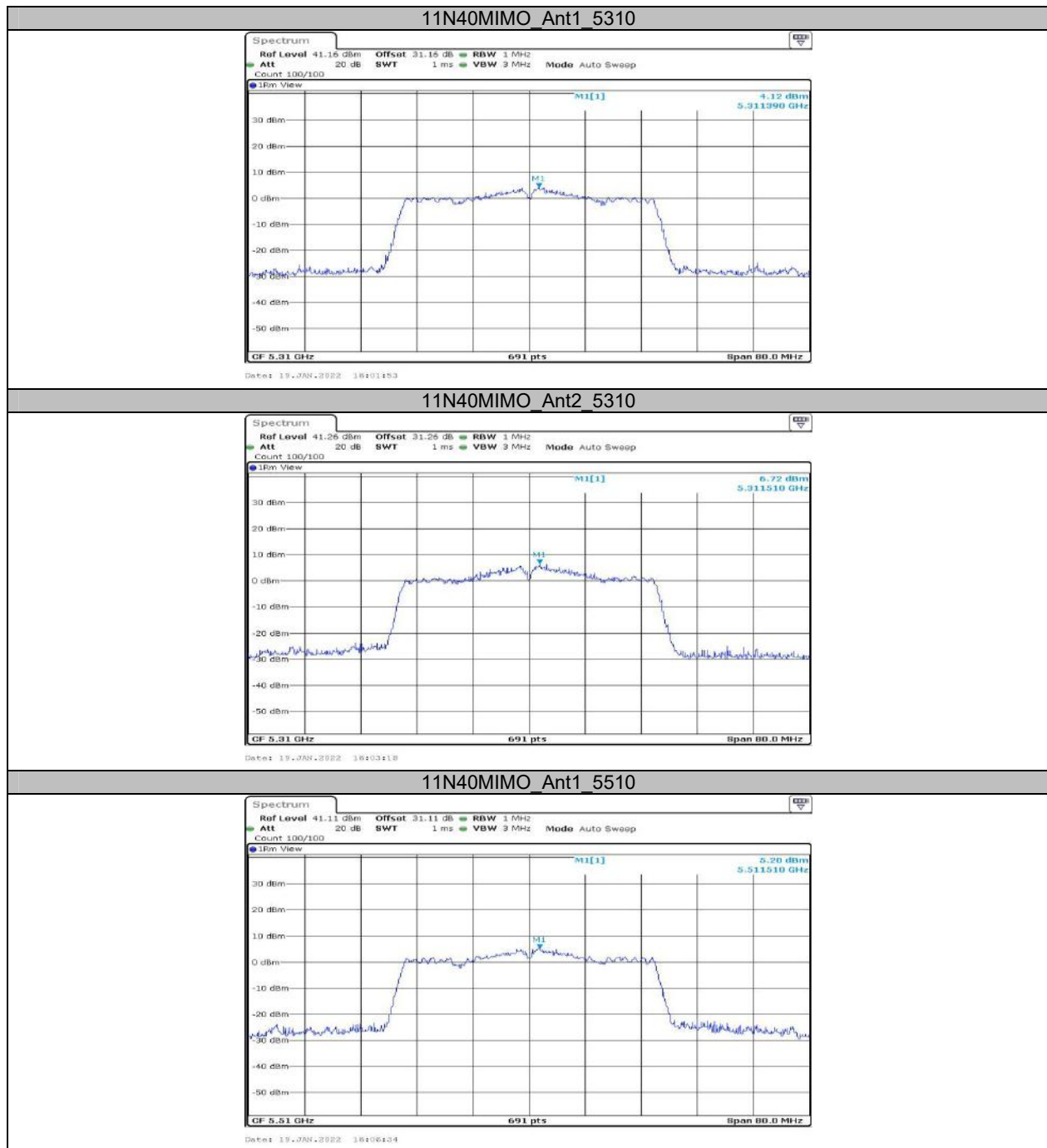




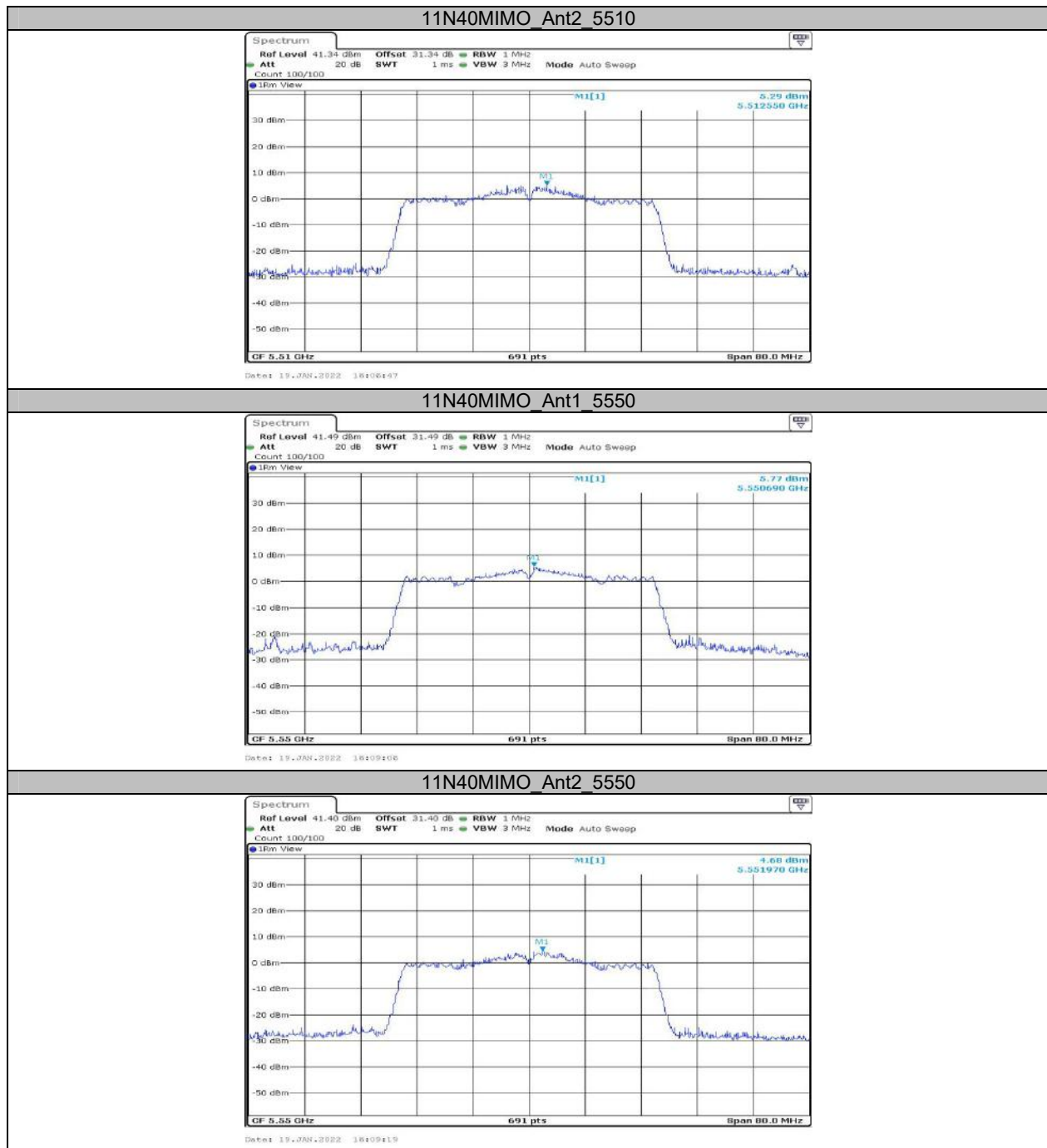


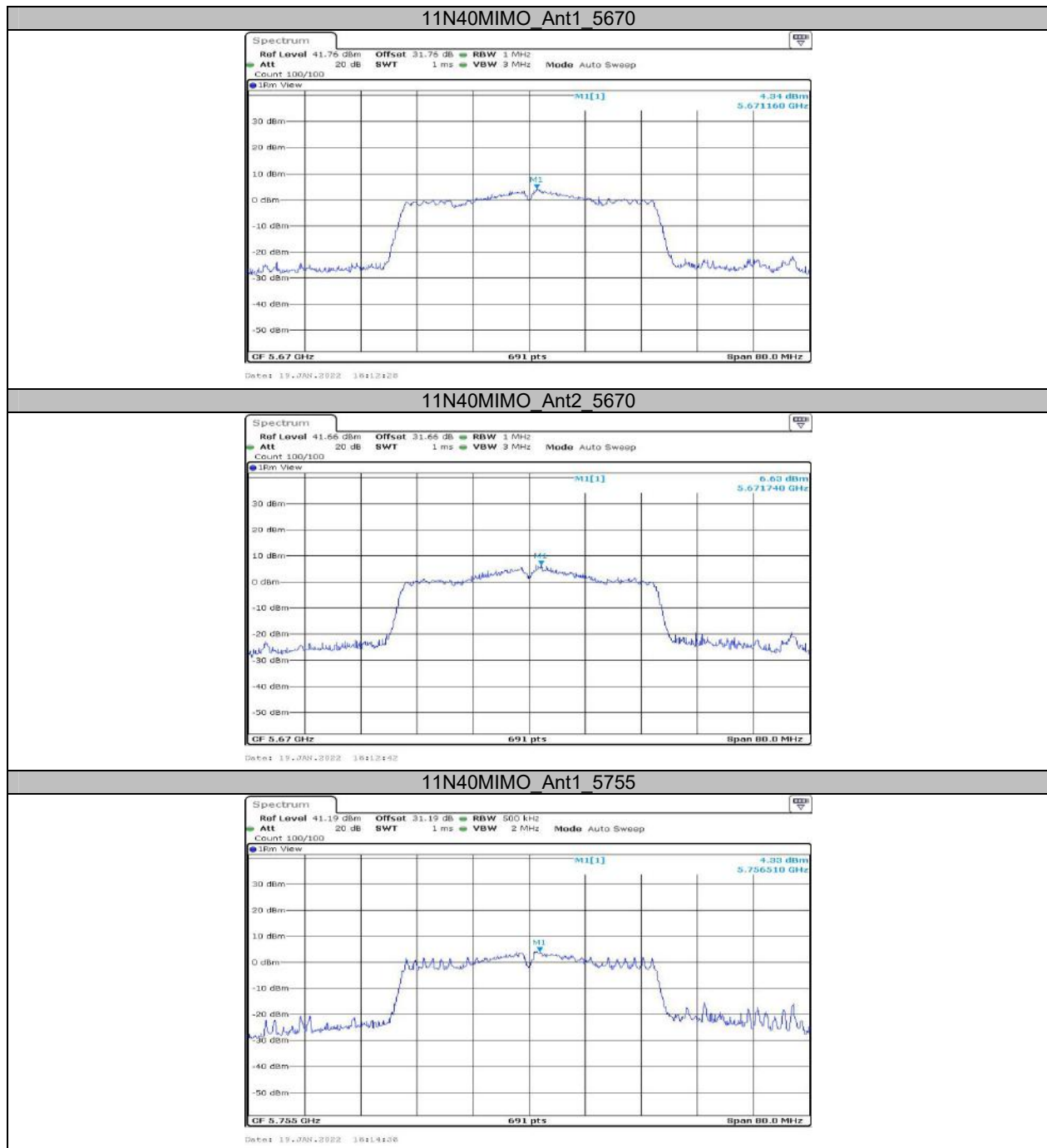


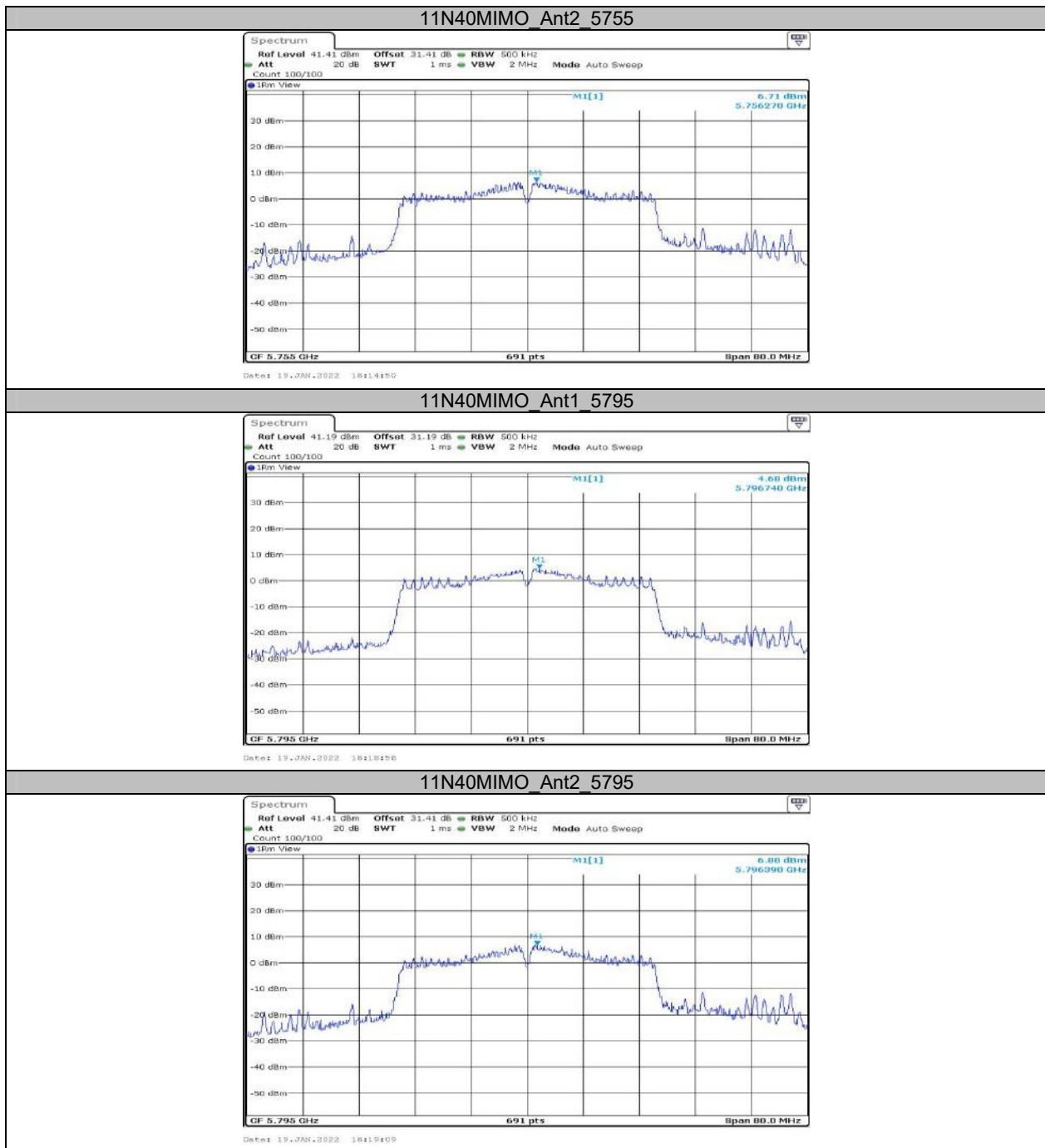


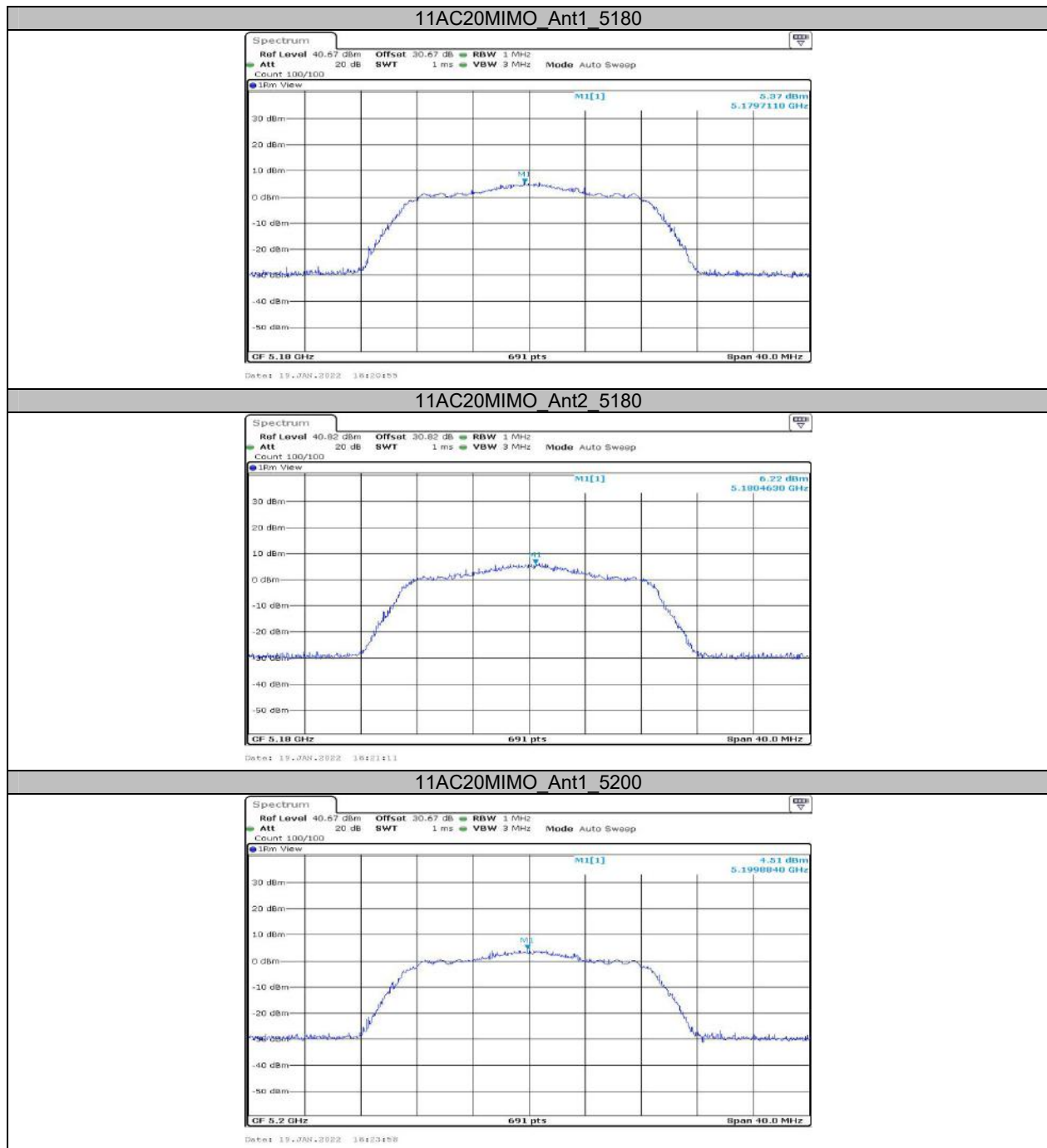


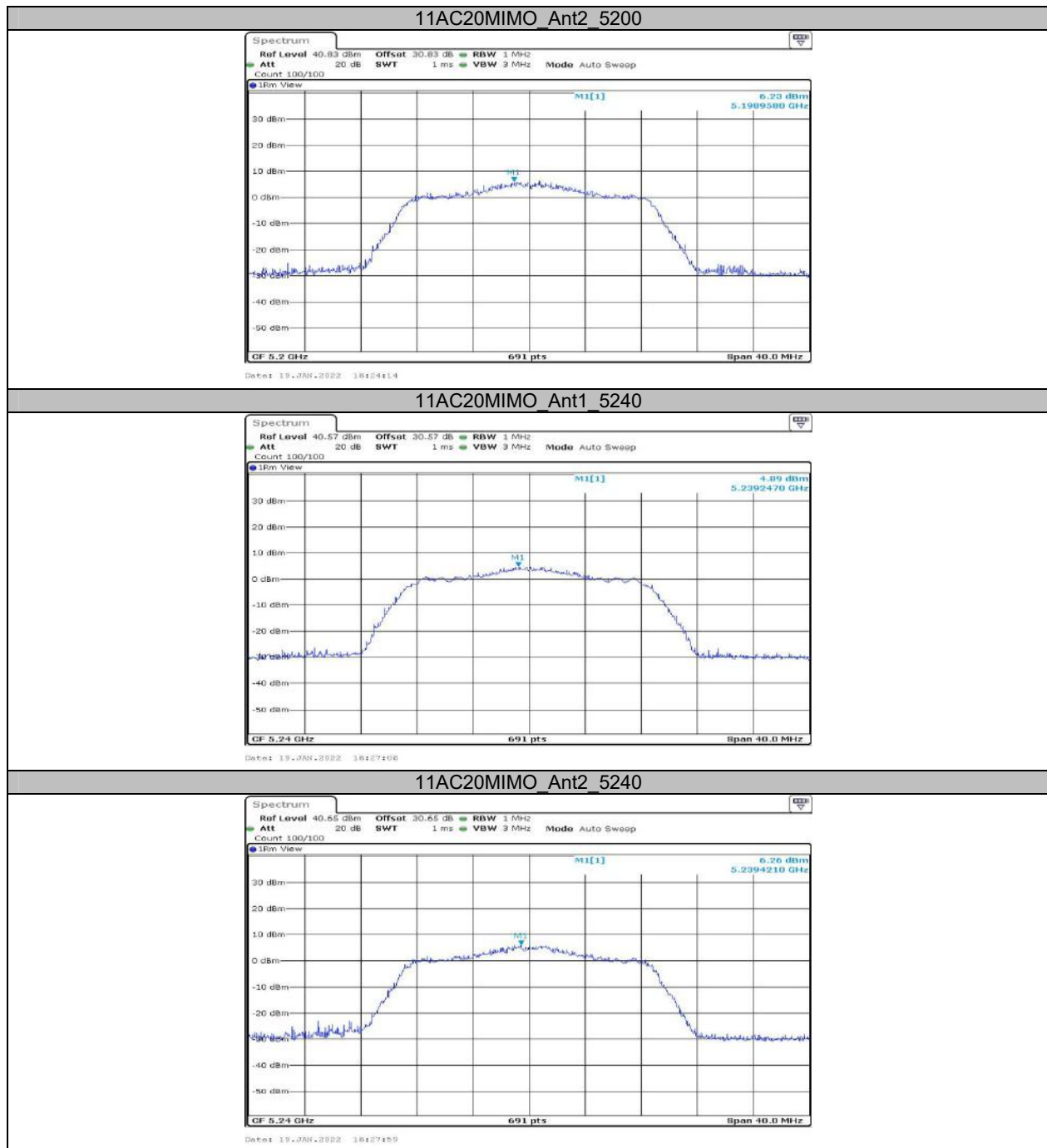


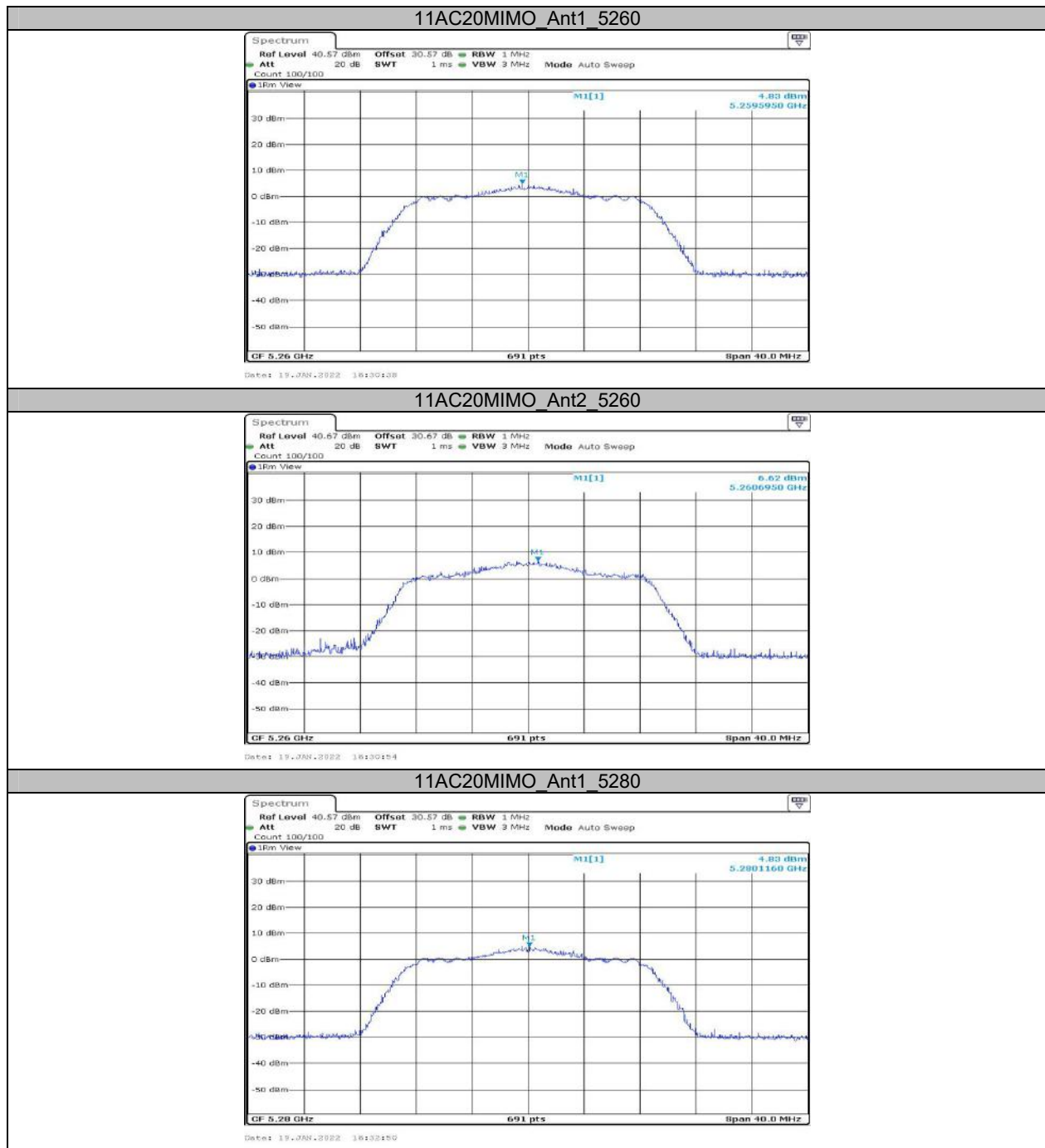


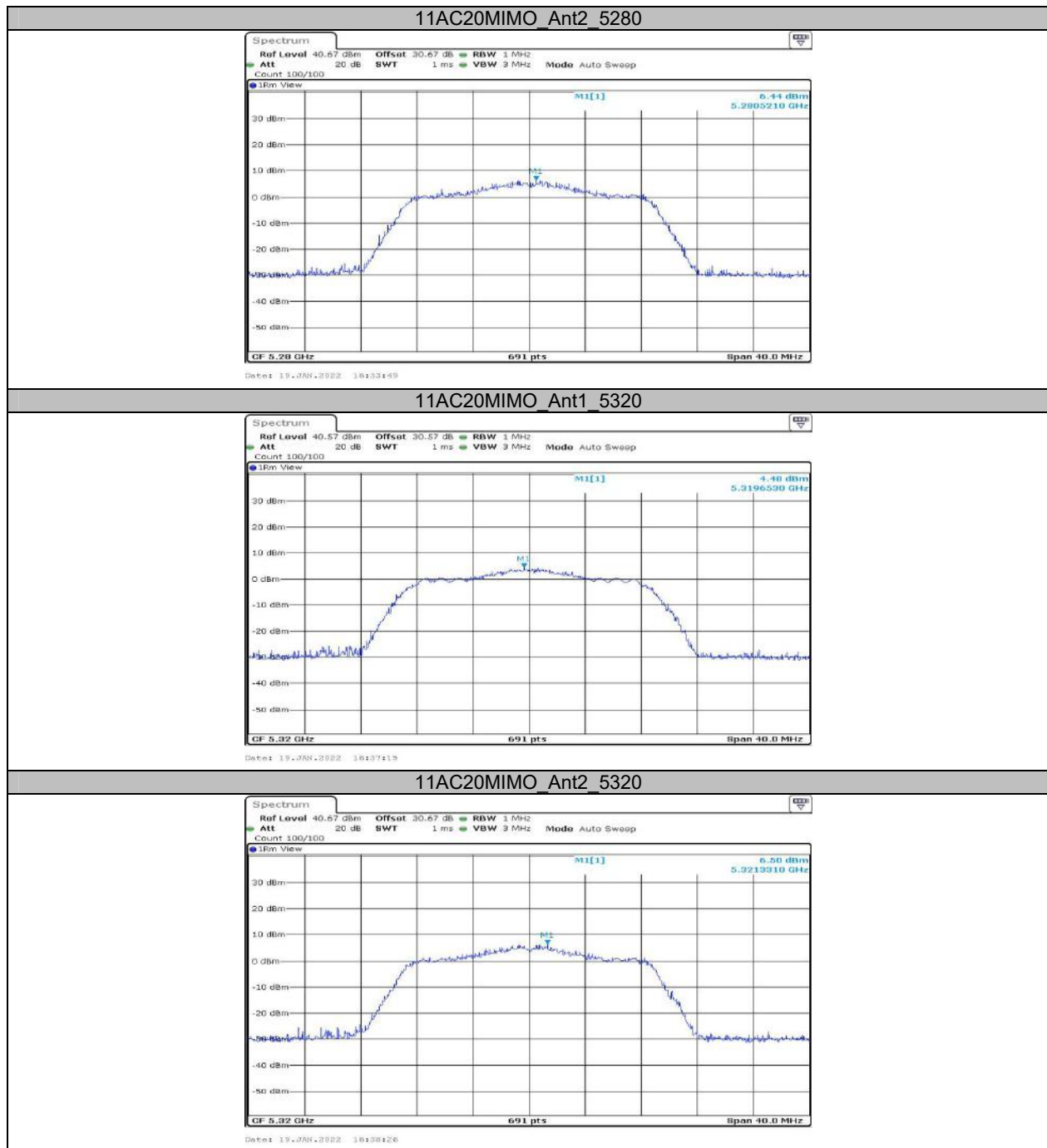


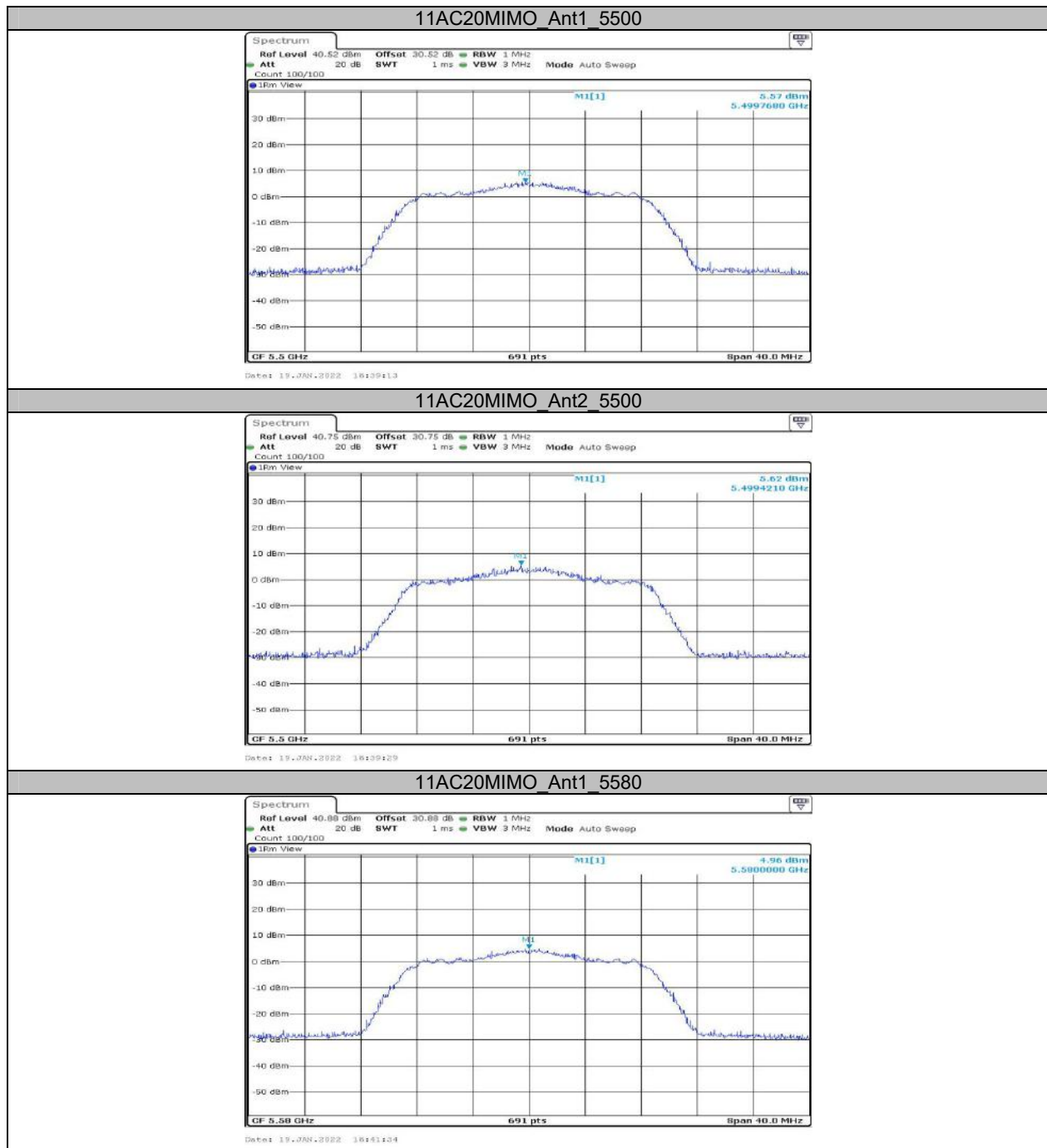




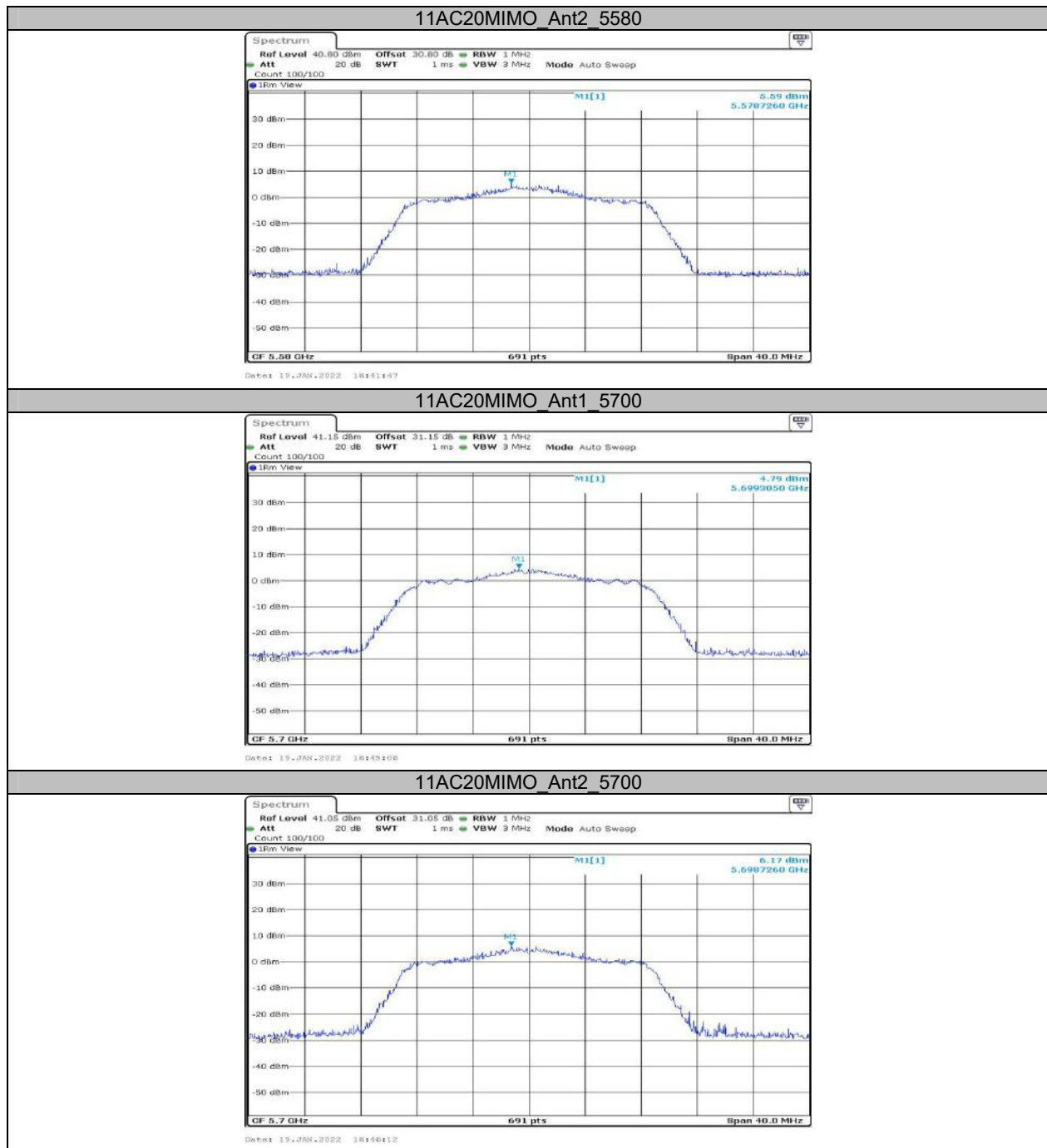




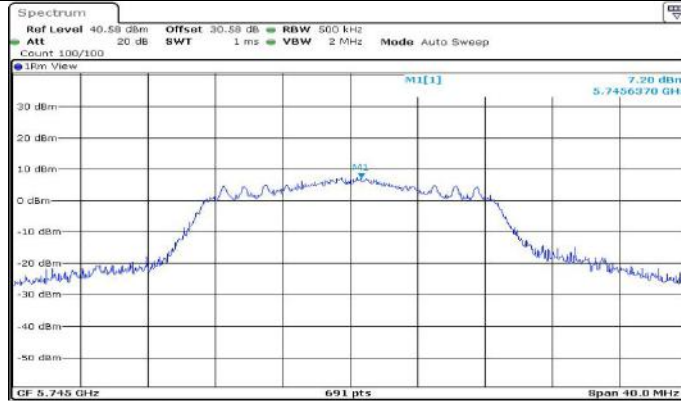




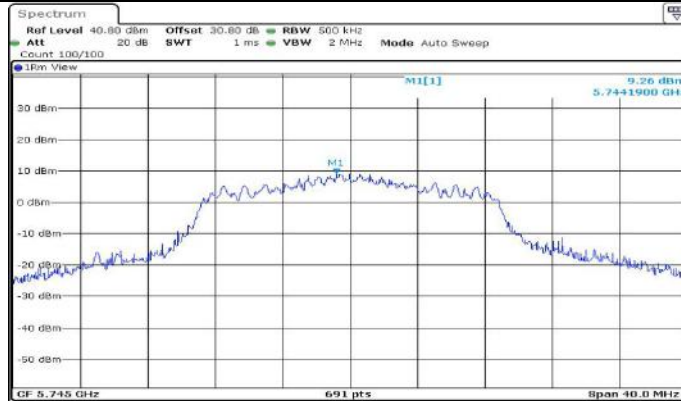




11AC20MIMO\_Ant1\_5745

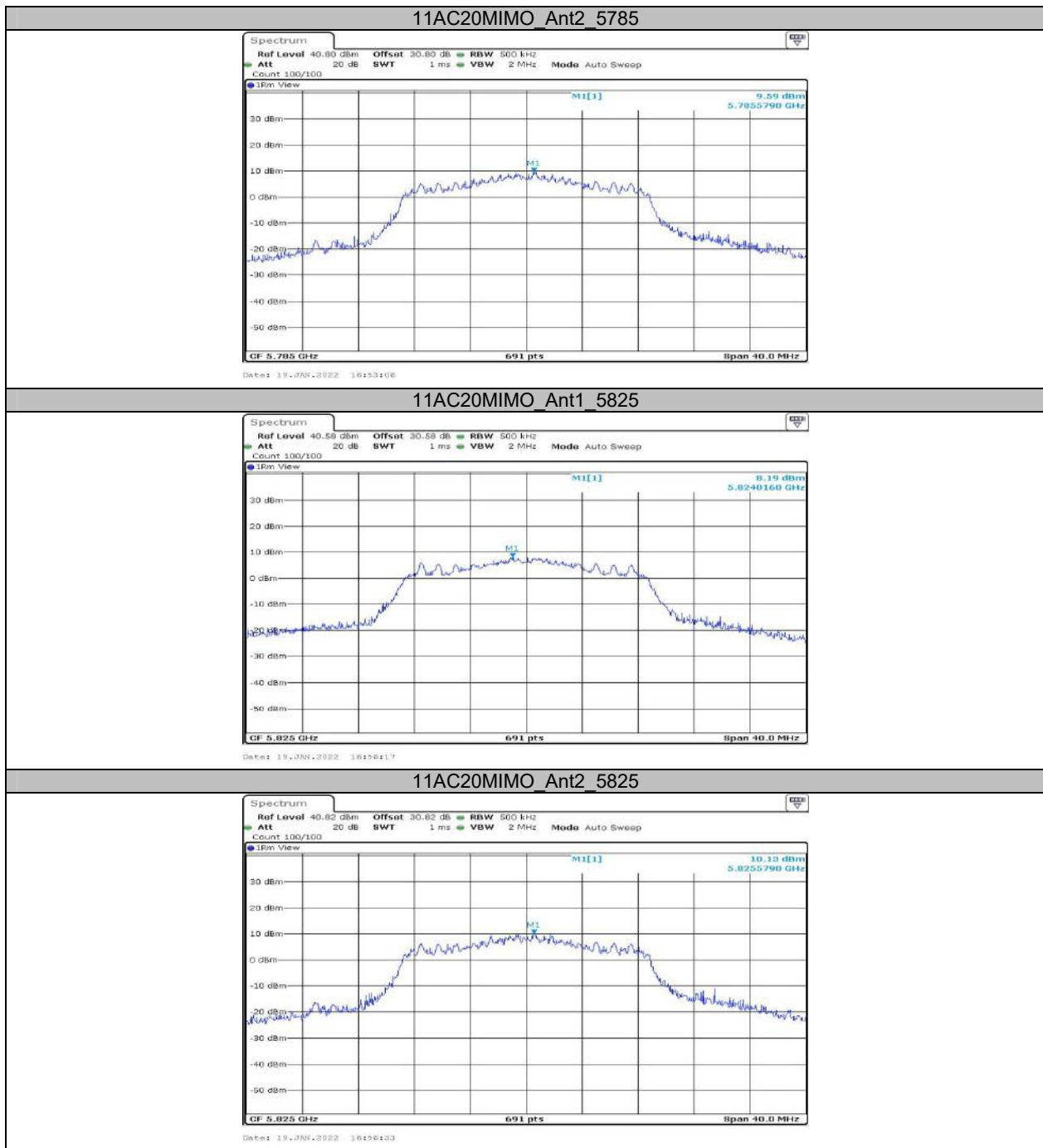


11AC20MIMO\_Ant2\_5745



11AC20MIMO\_Ant1\_5785





11AC40MIMO\_Ant1\_5190

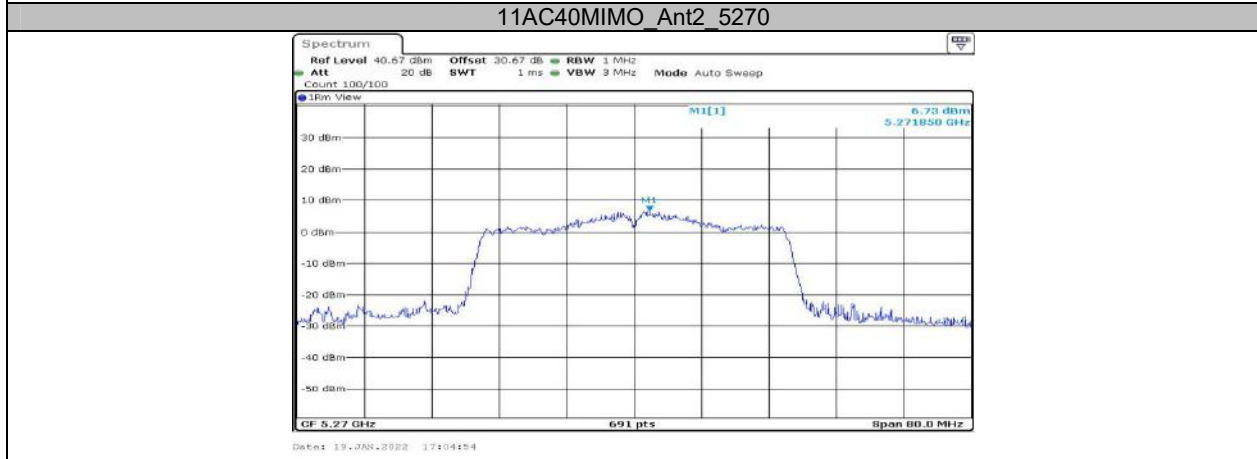
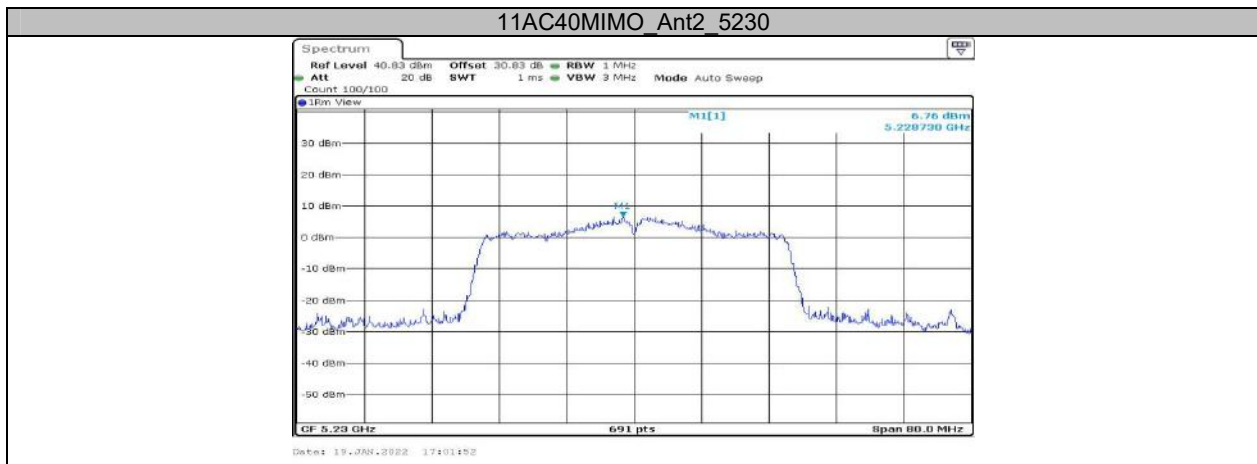


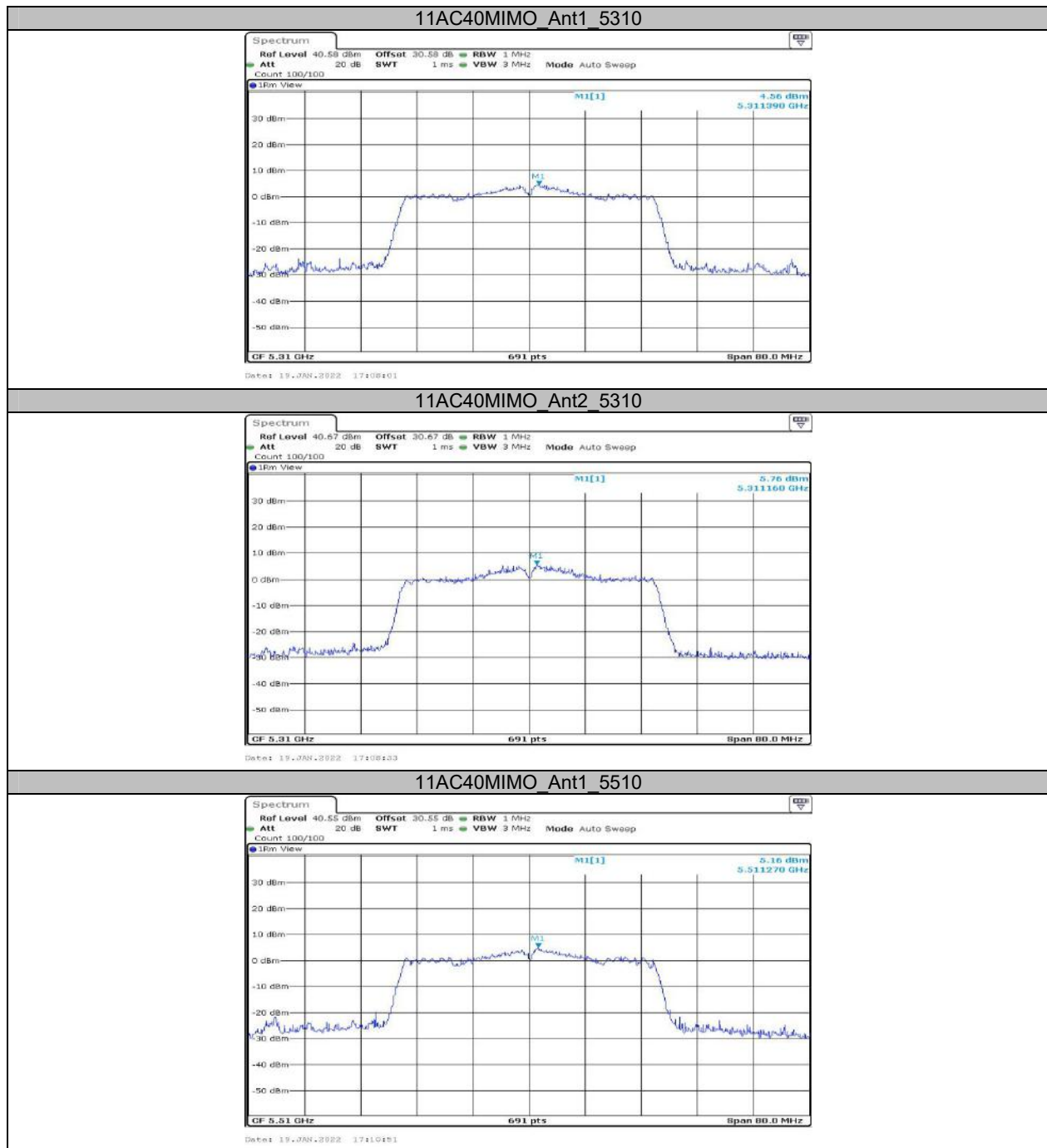
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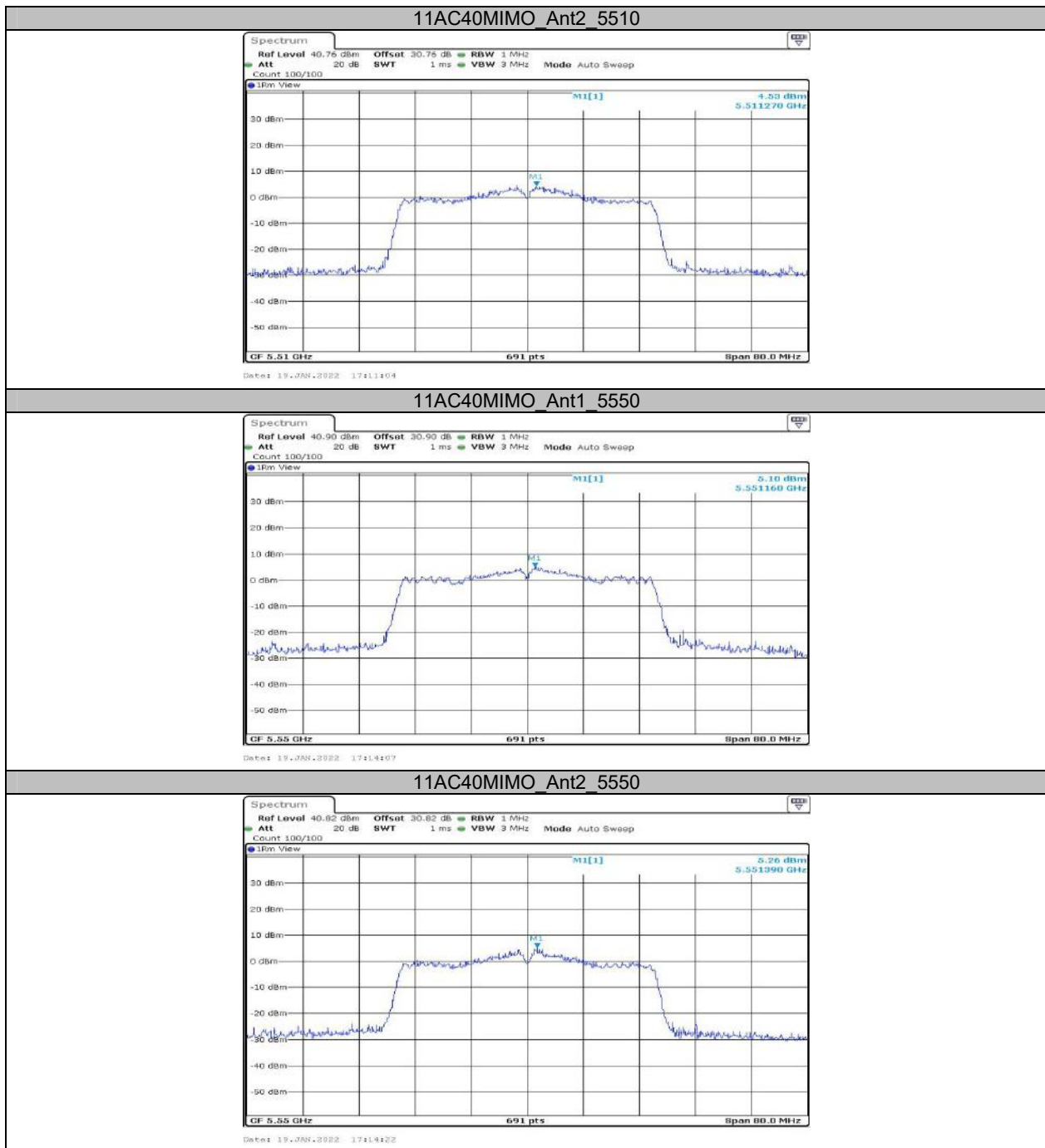


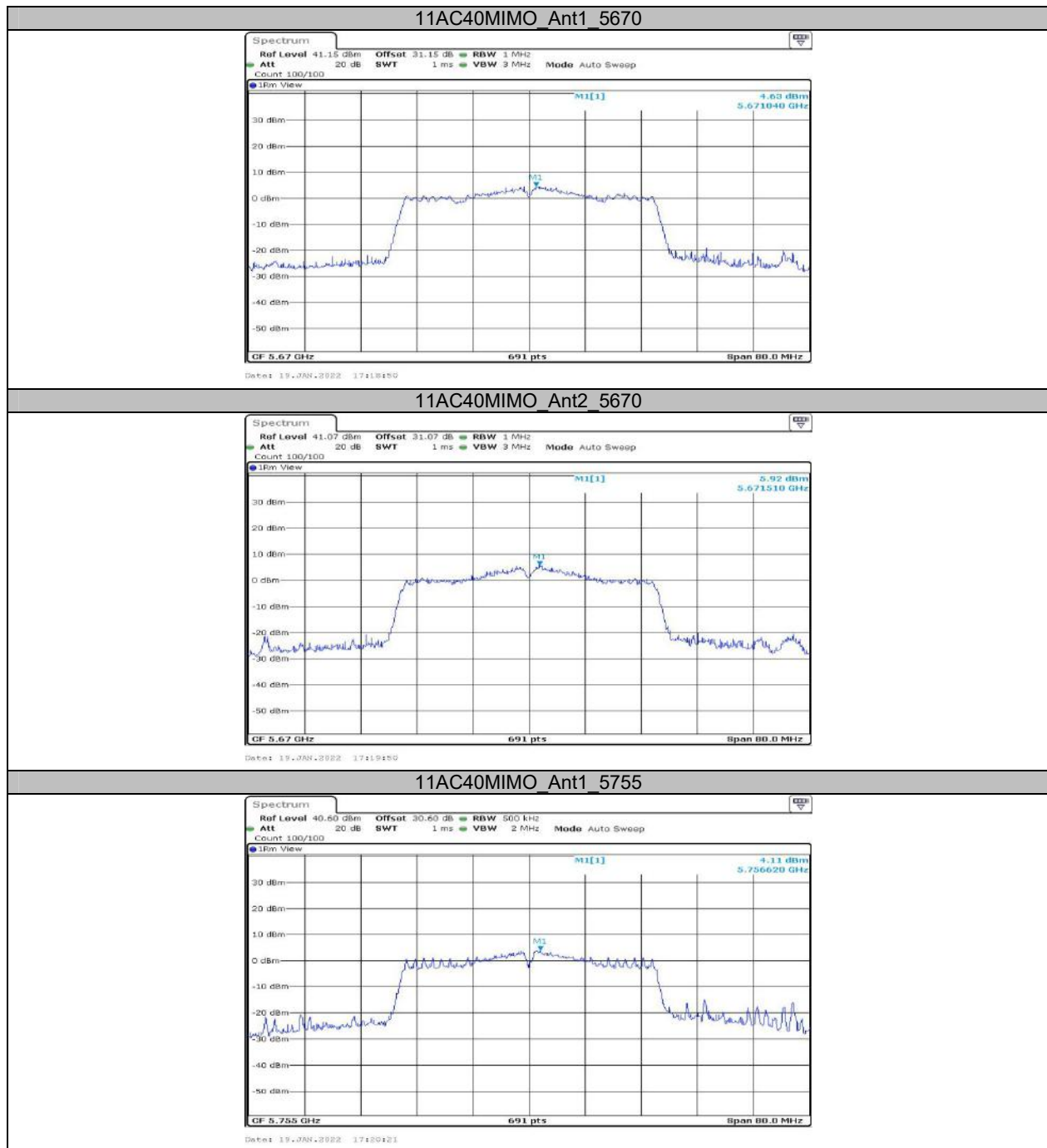
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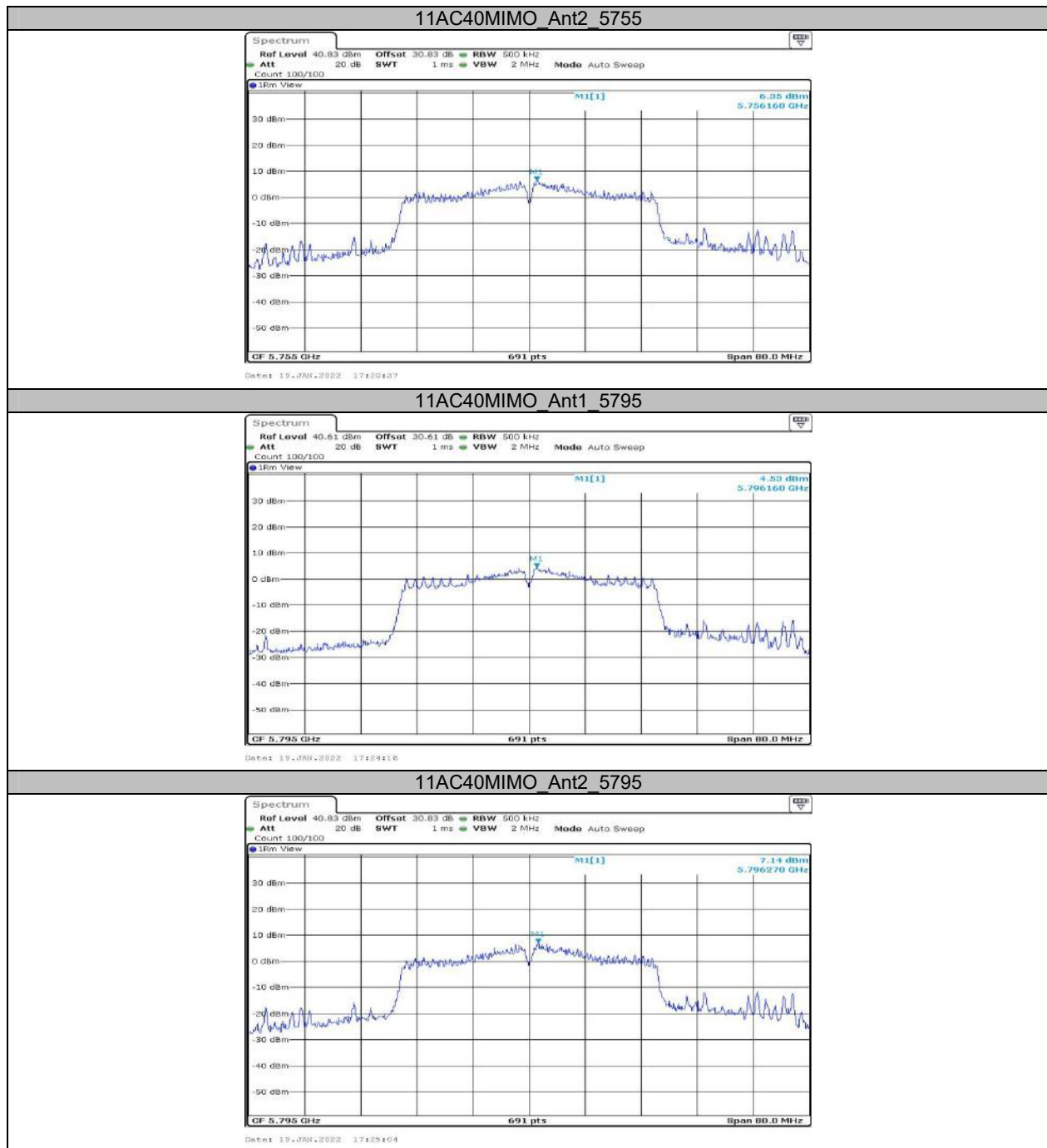


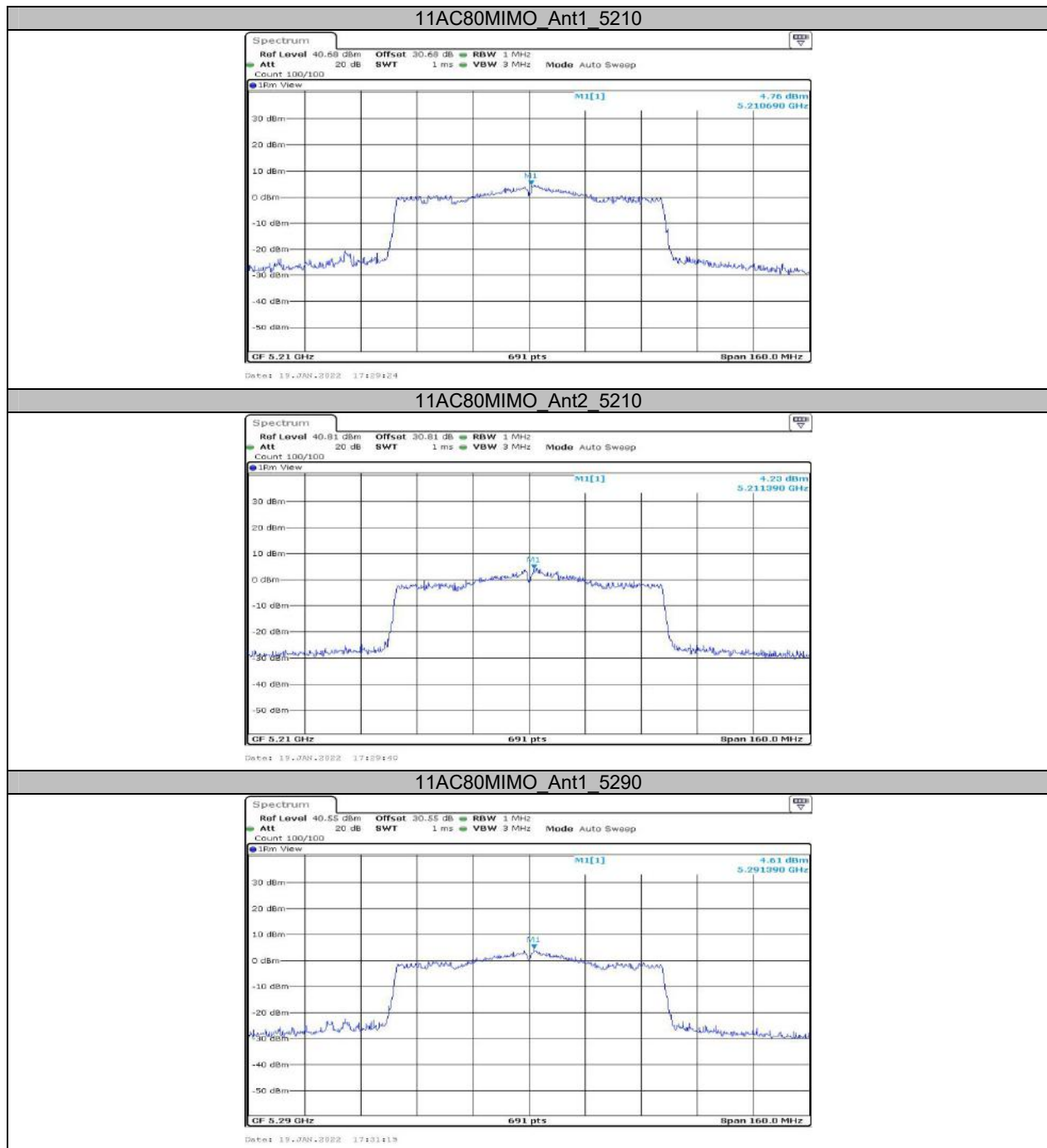


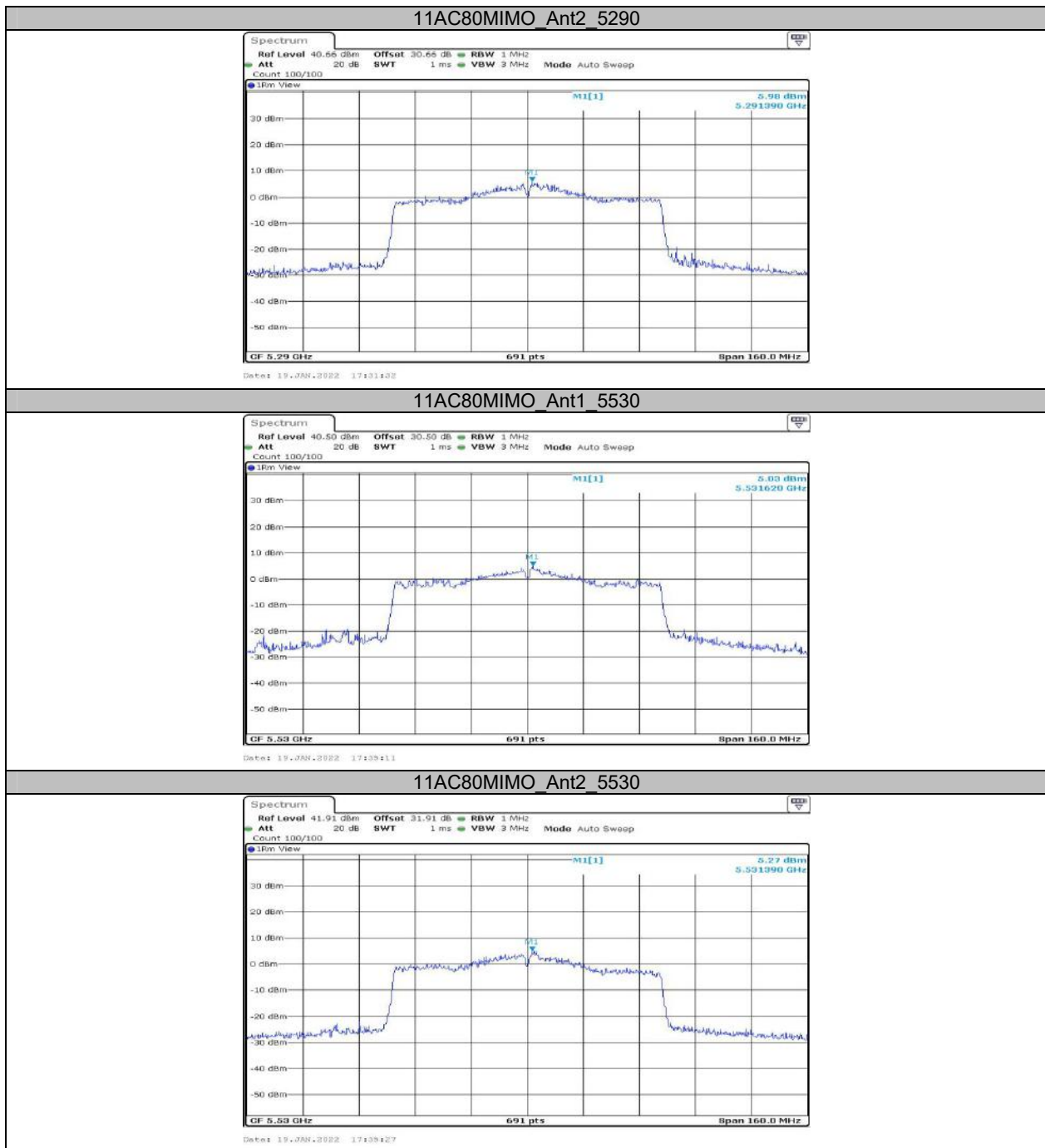


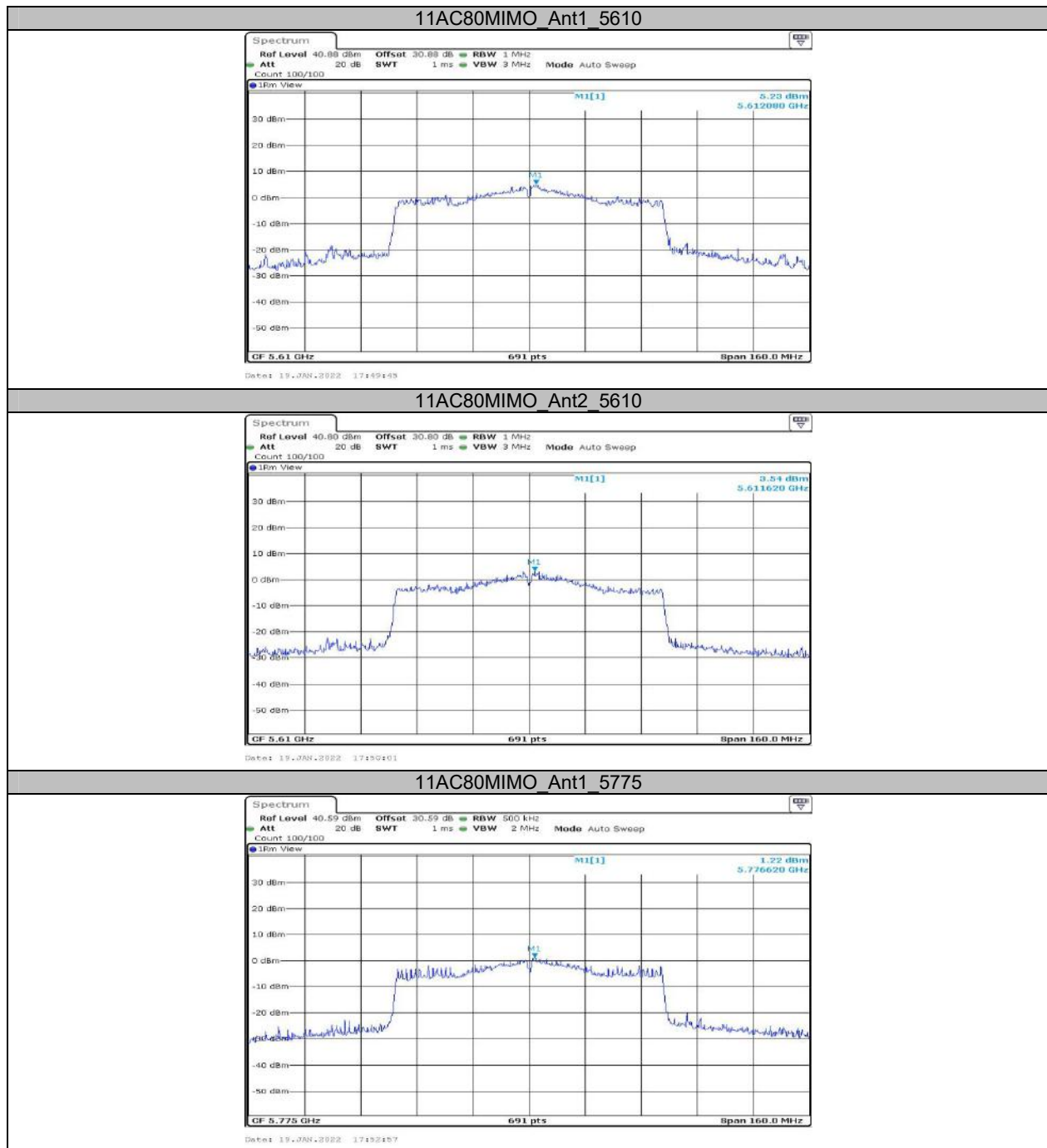


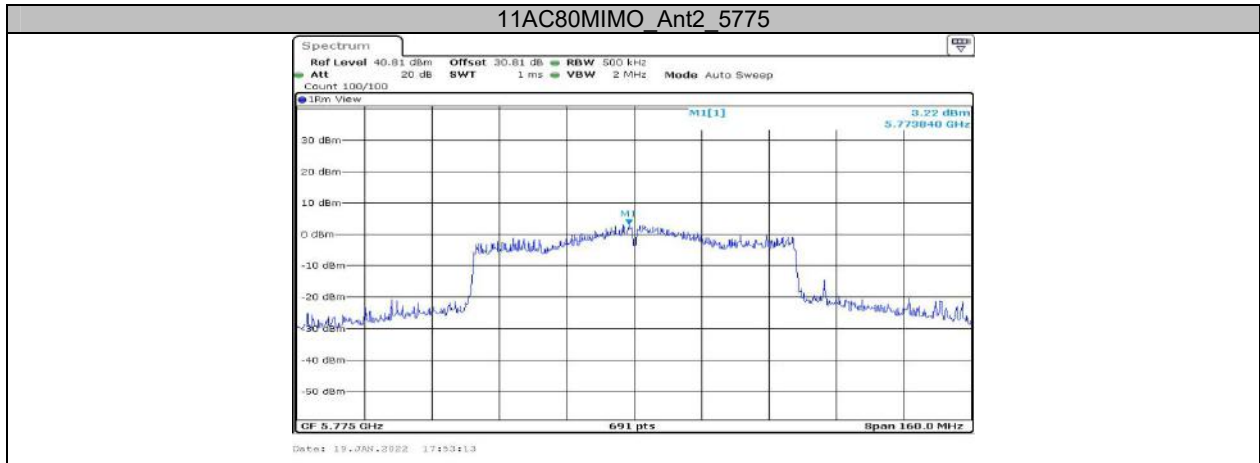




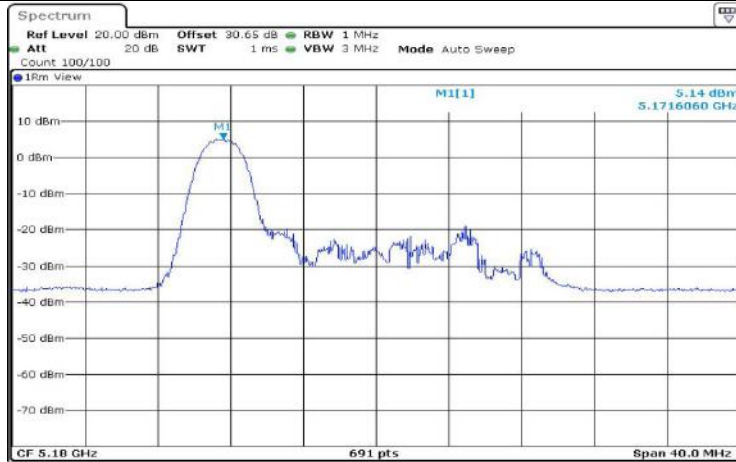






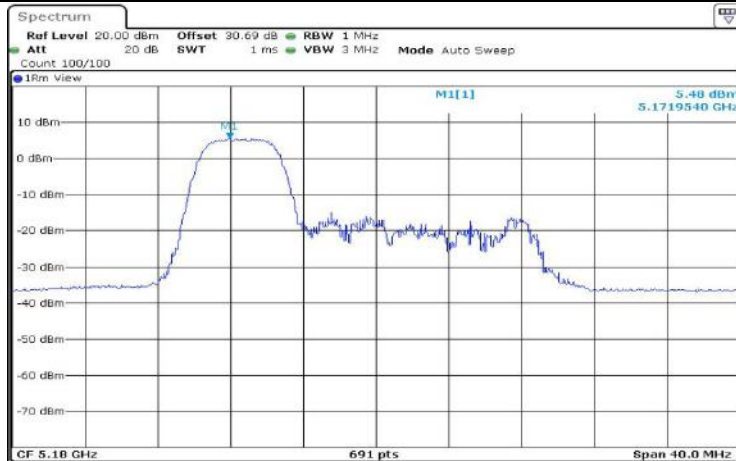


11AX20MIMO Ant1 5180 26Tone RU0



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11AX20MIMO Ant1 5180 52Tone RU37

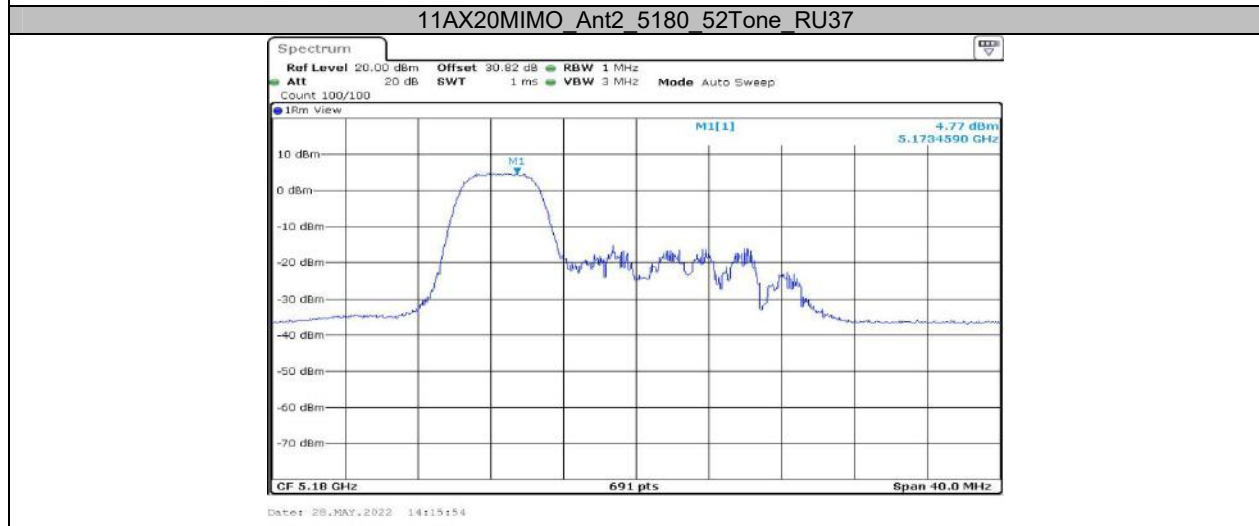


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11AX20MIMO Ant1 5180 106Tone RU53

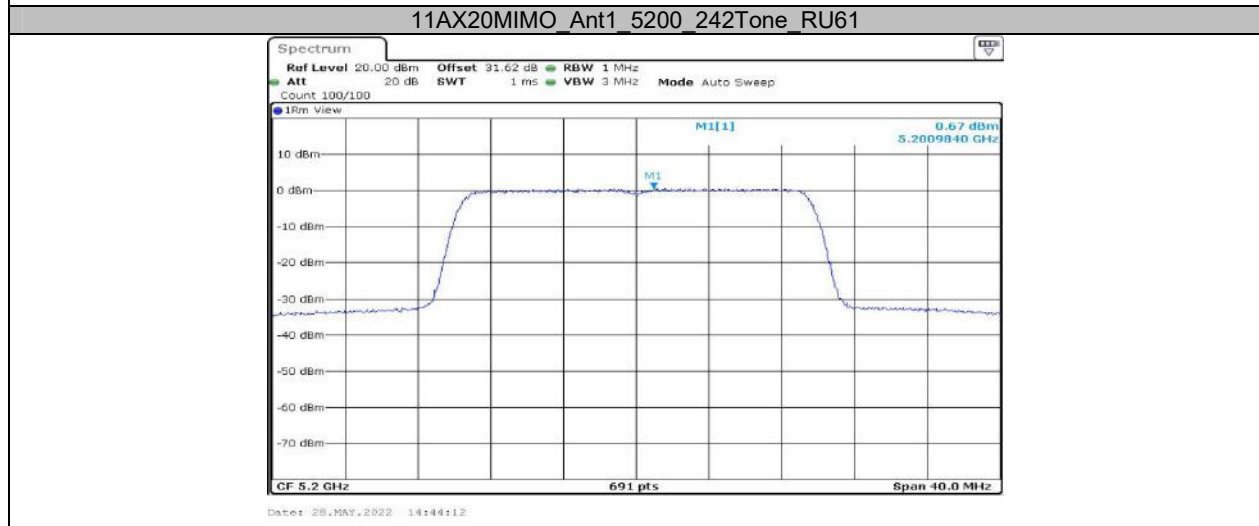


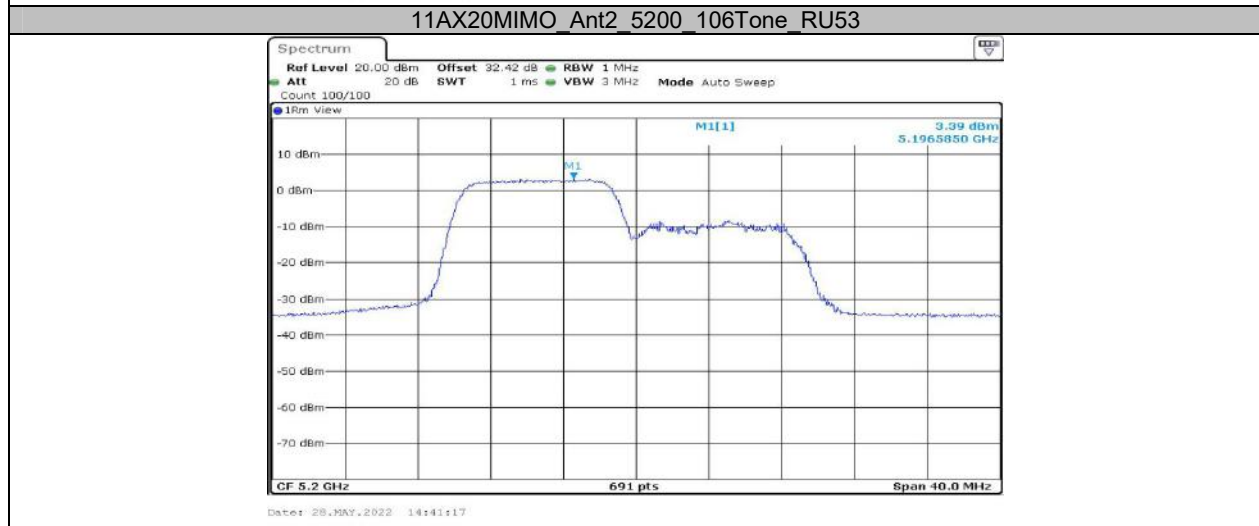
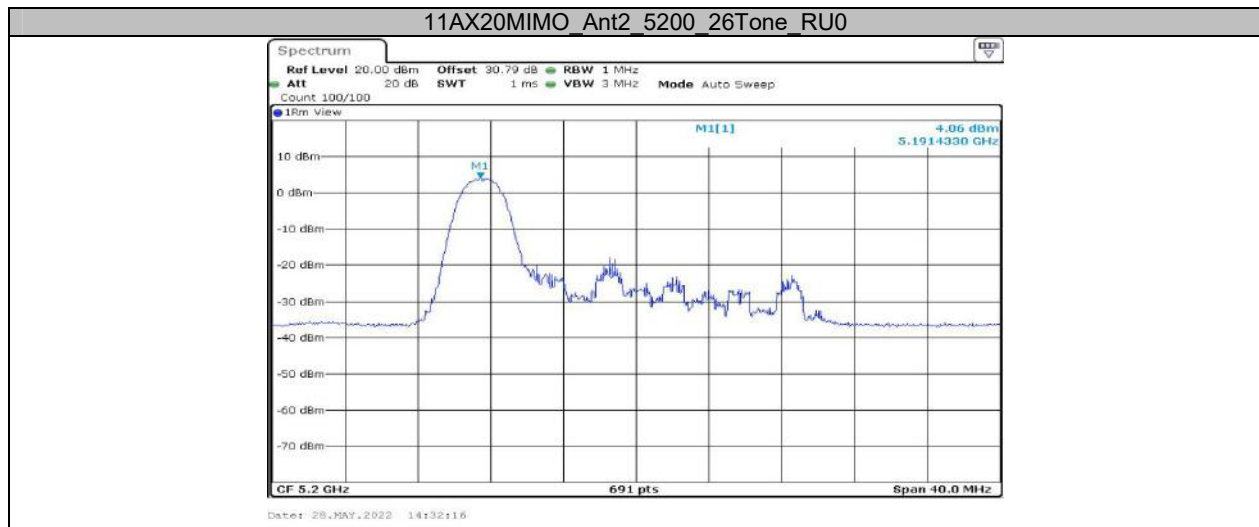
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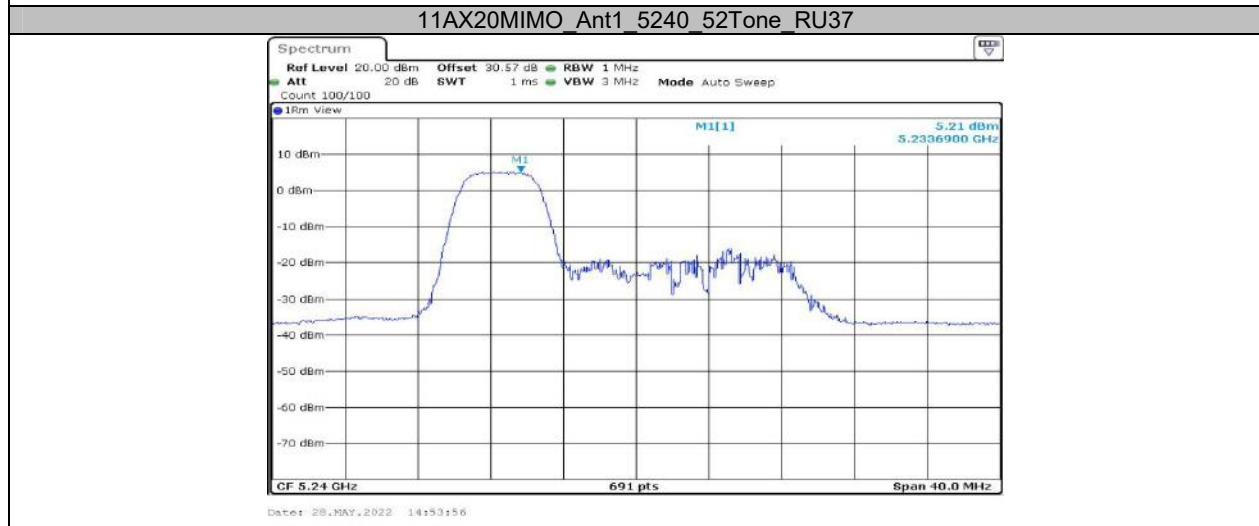
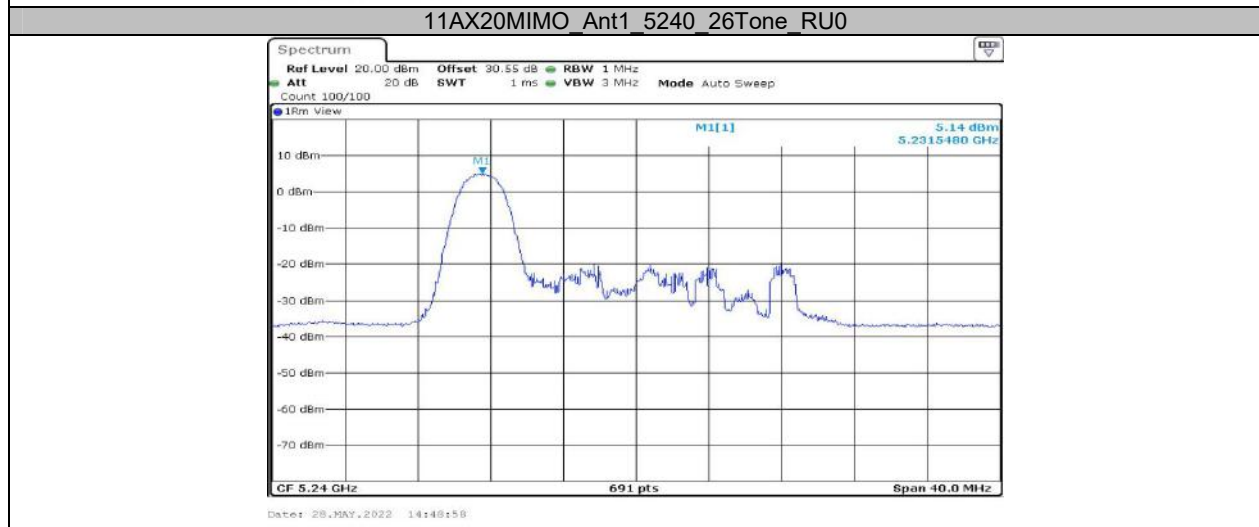


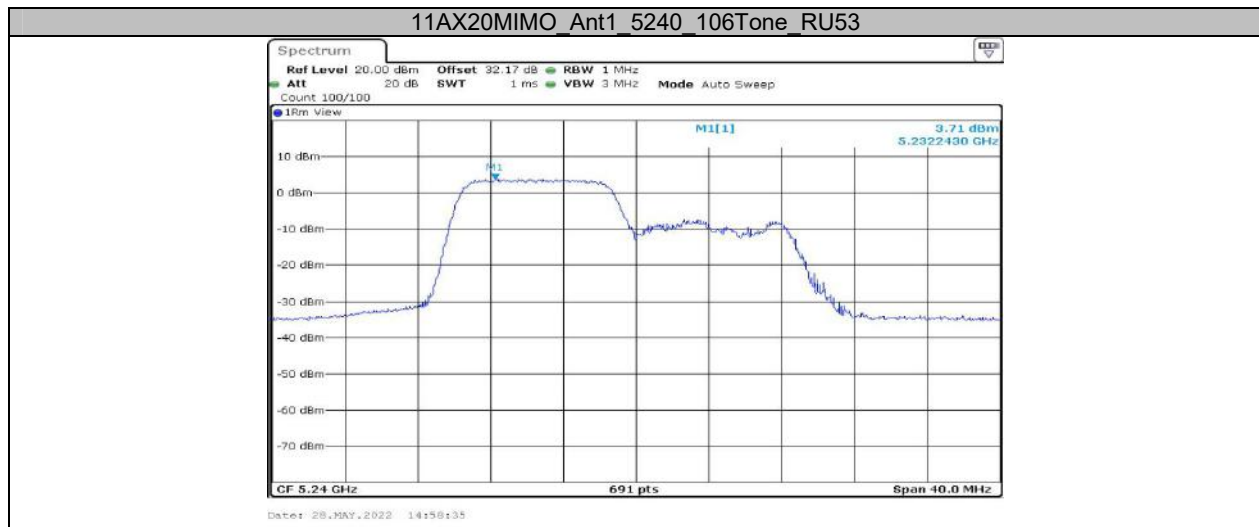




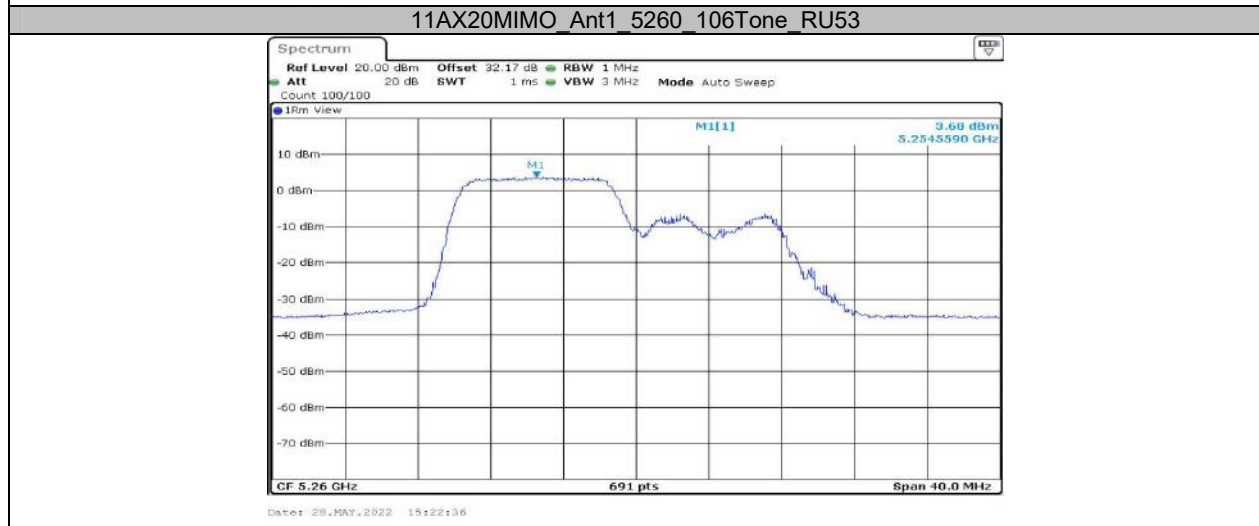
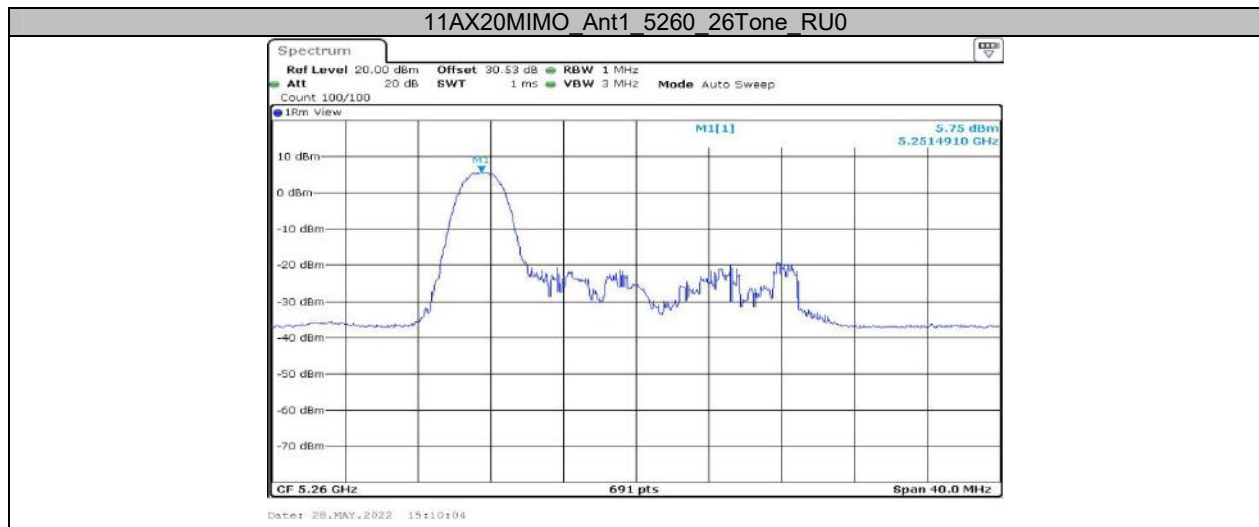




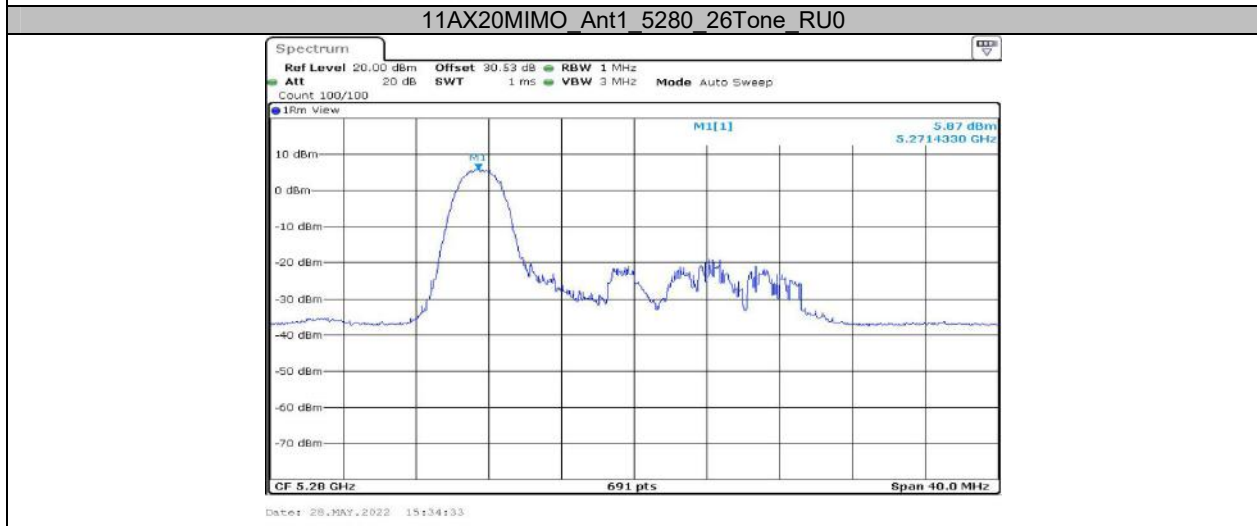
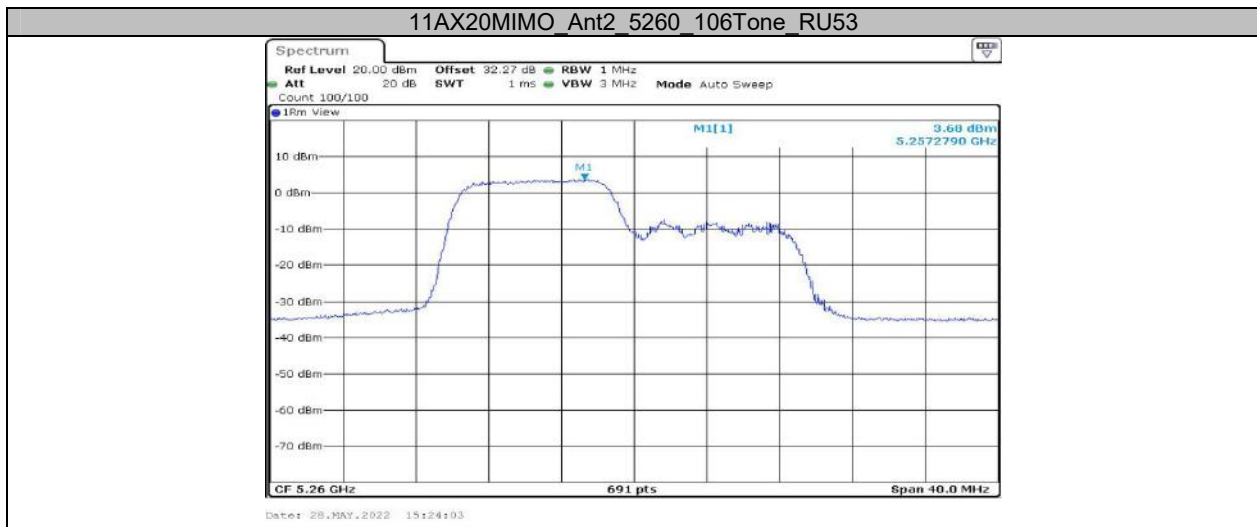




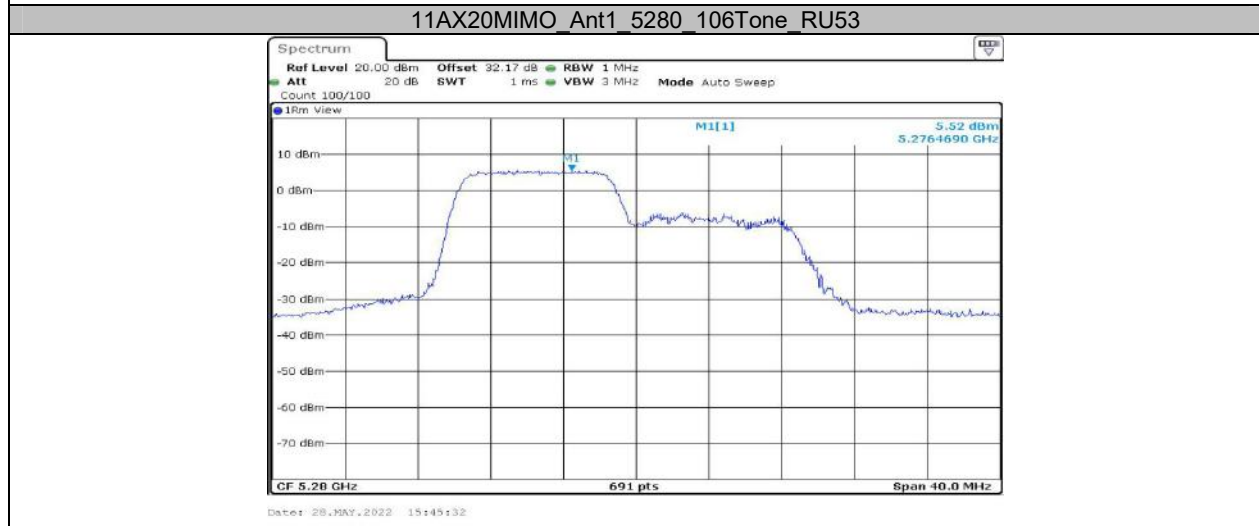




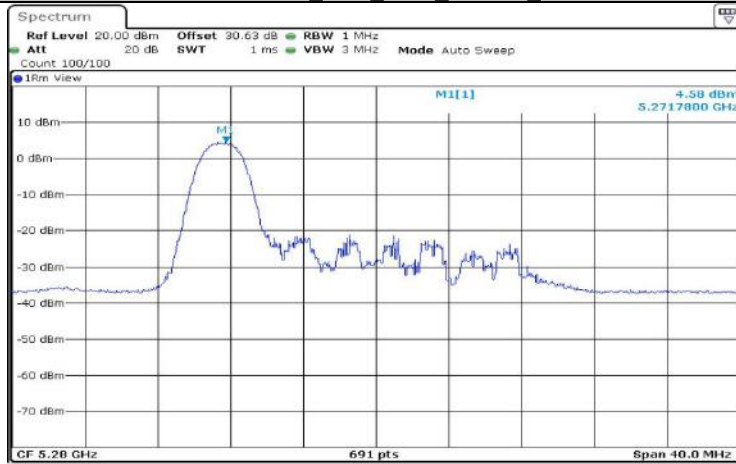






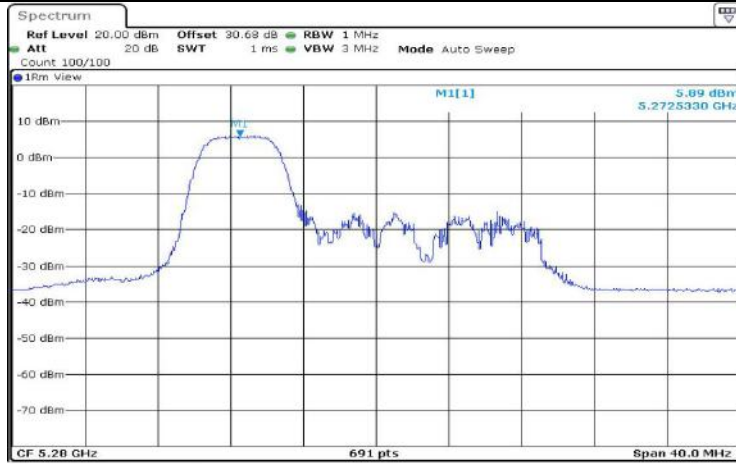


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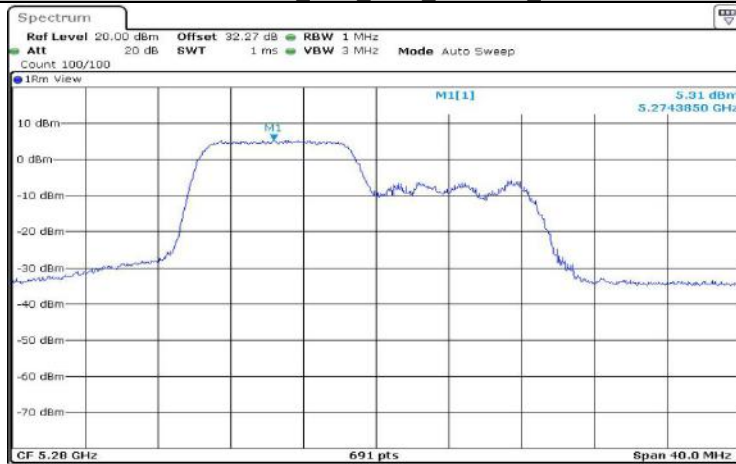
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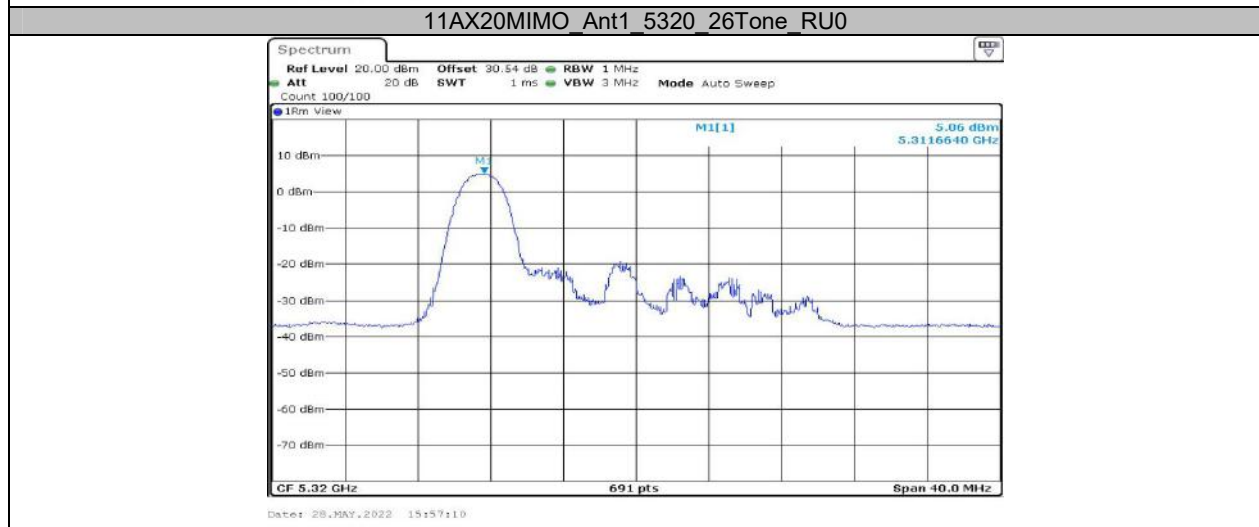
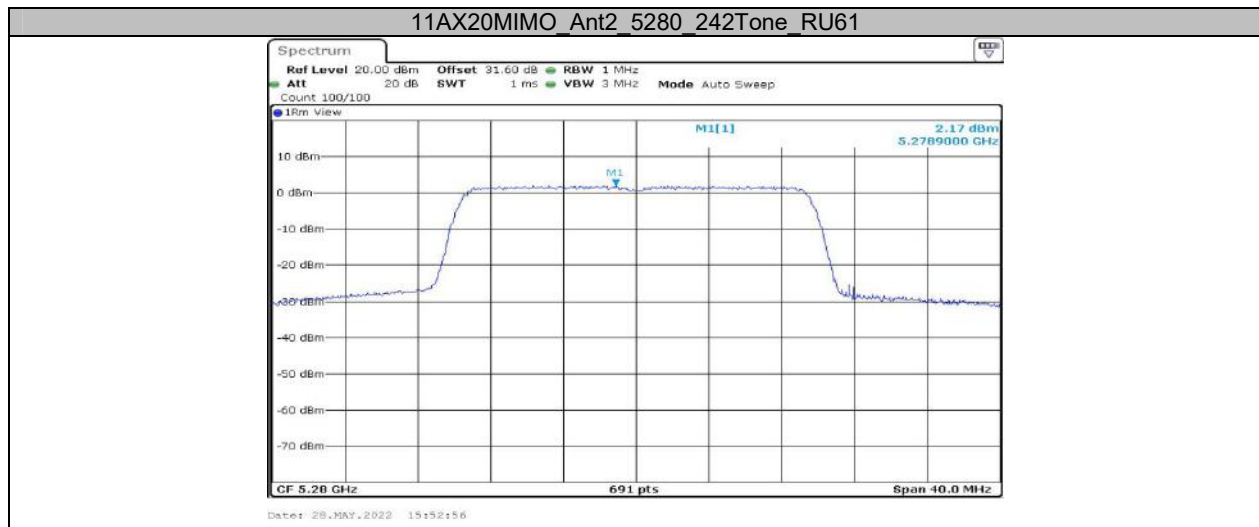


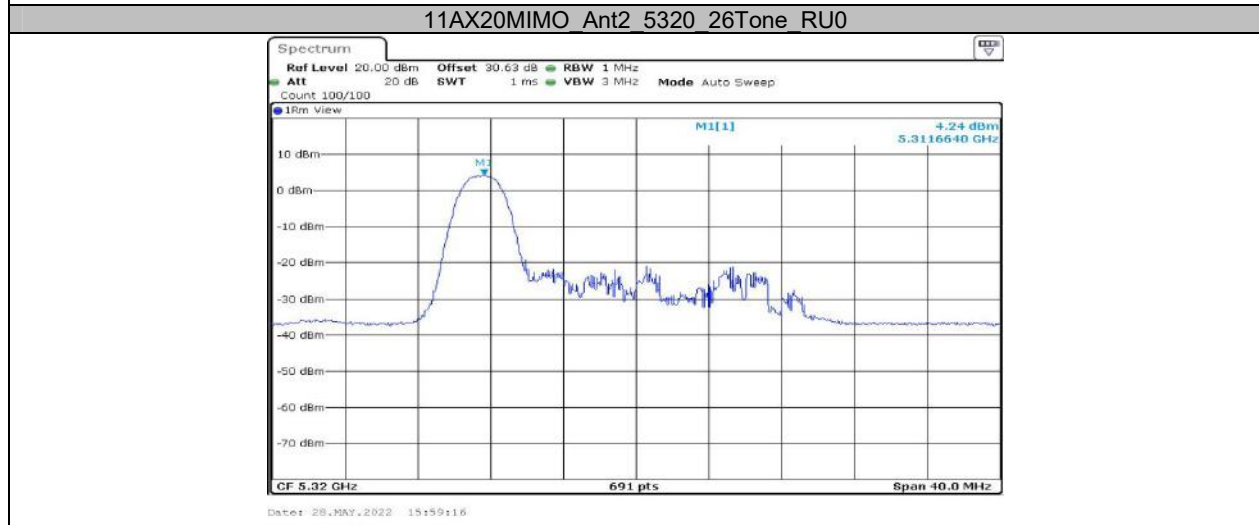
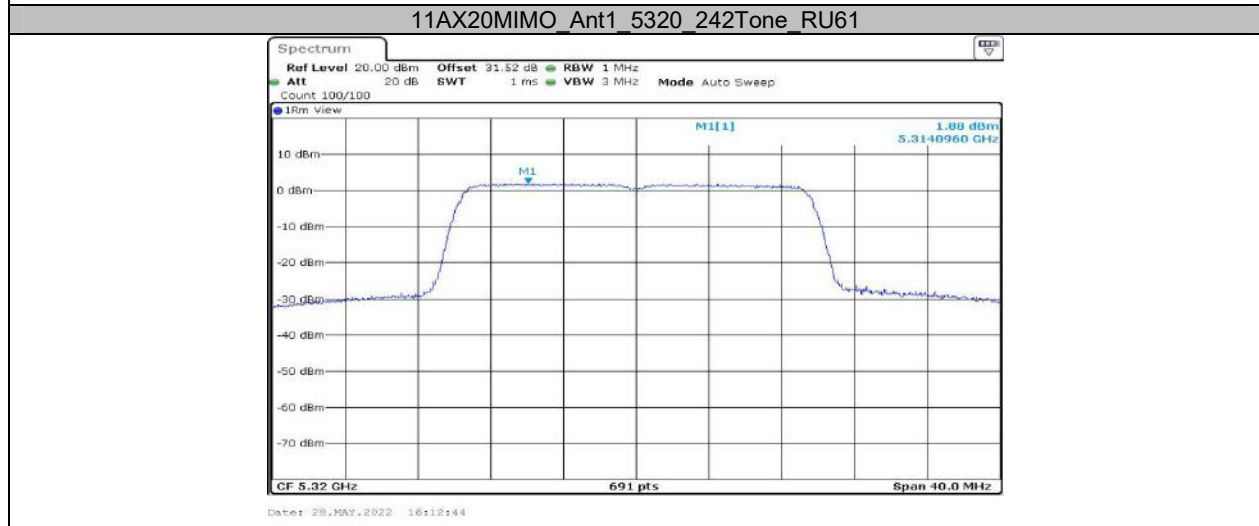
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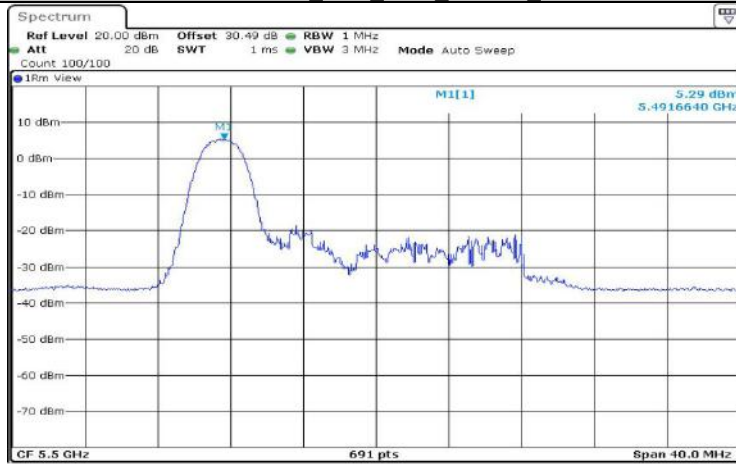
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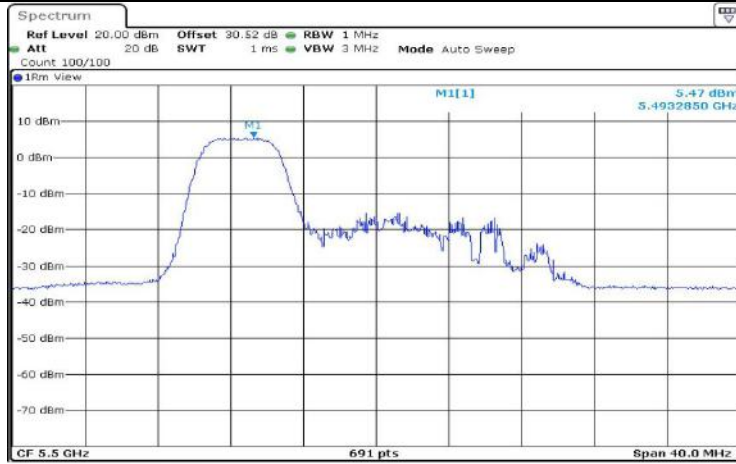


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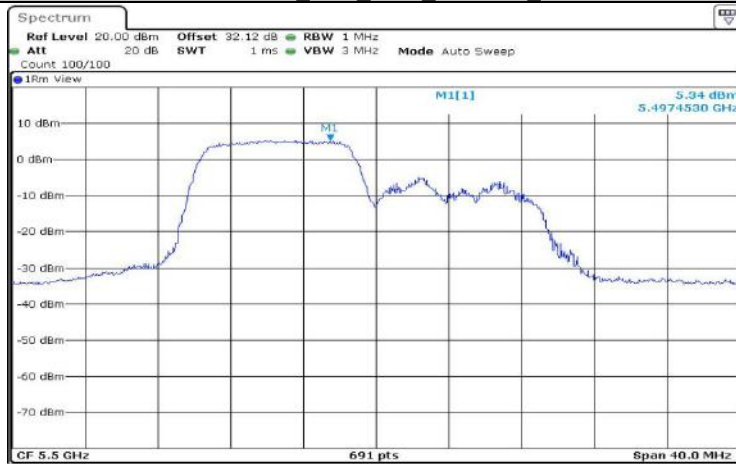
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11AX20MIMO\_Ant1\_5500\_106Tone\_RU53



Date: 28.MAY.2022 16:27:08