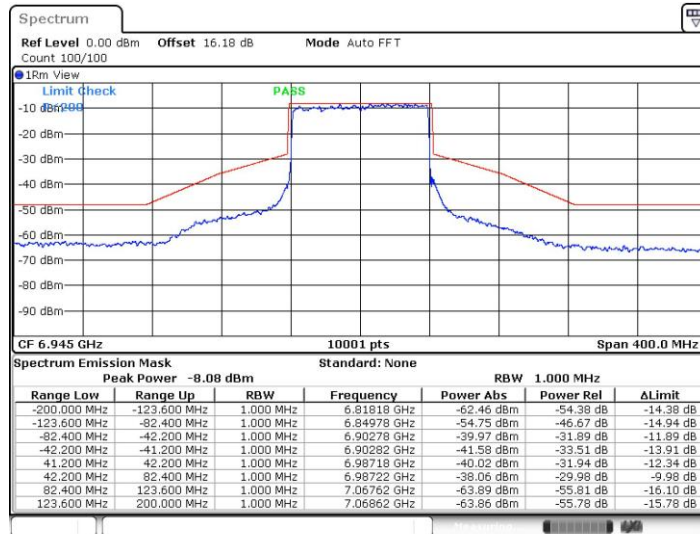


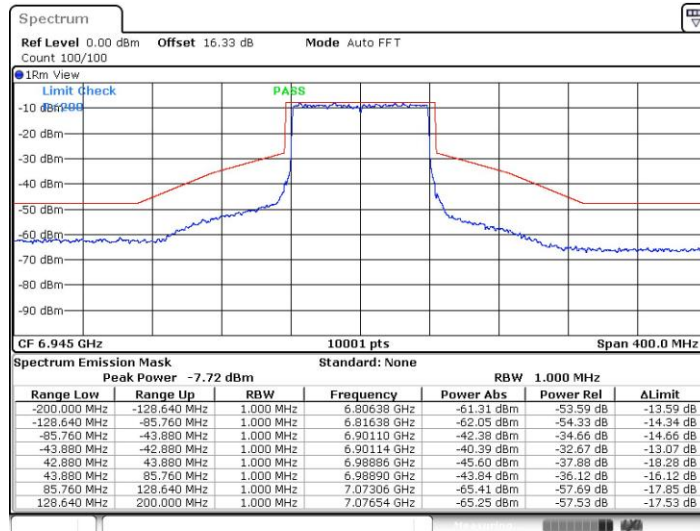


11BE80MIMO_Ant10_6945



Date: 22.NOV.2022 12:57:25

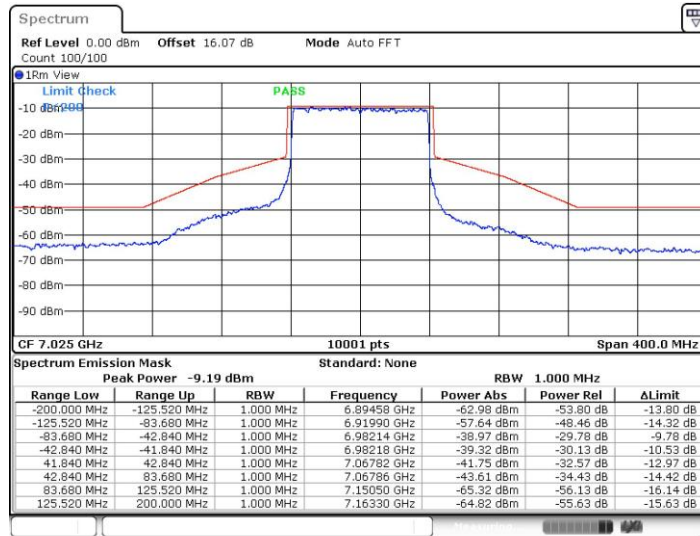
11BE80MIMO_Ant13_6945



Date: 22.NOV.2022 12:57:52

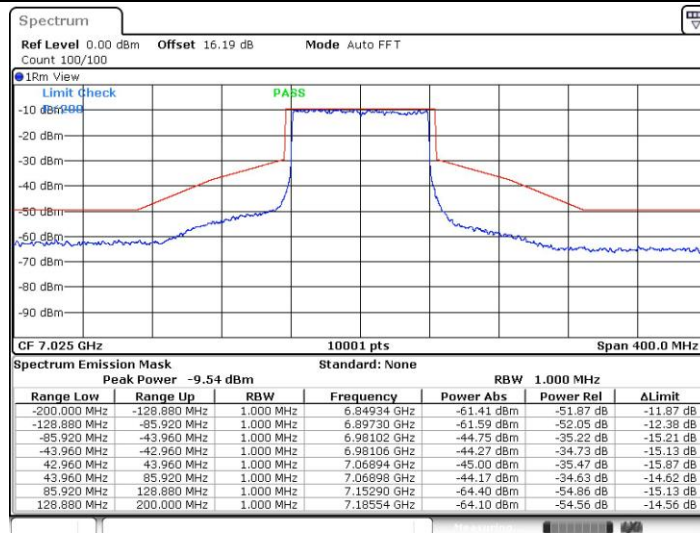


11BE80MIMO_Ant10_7025

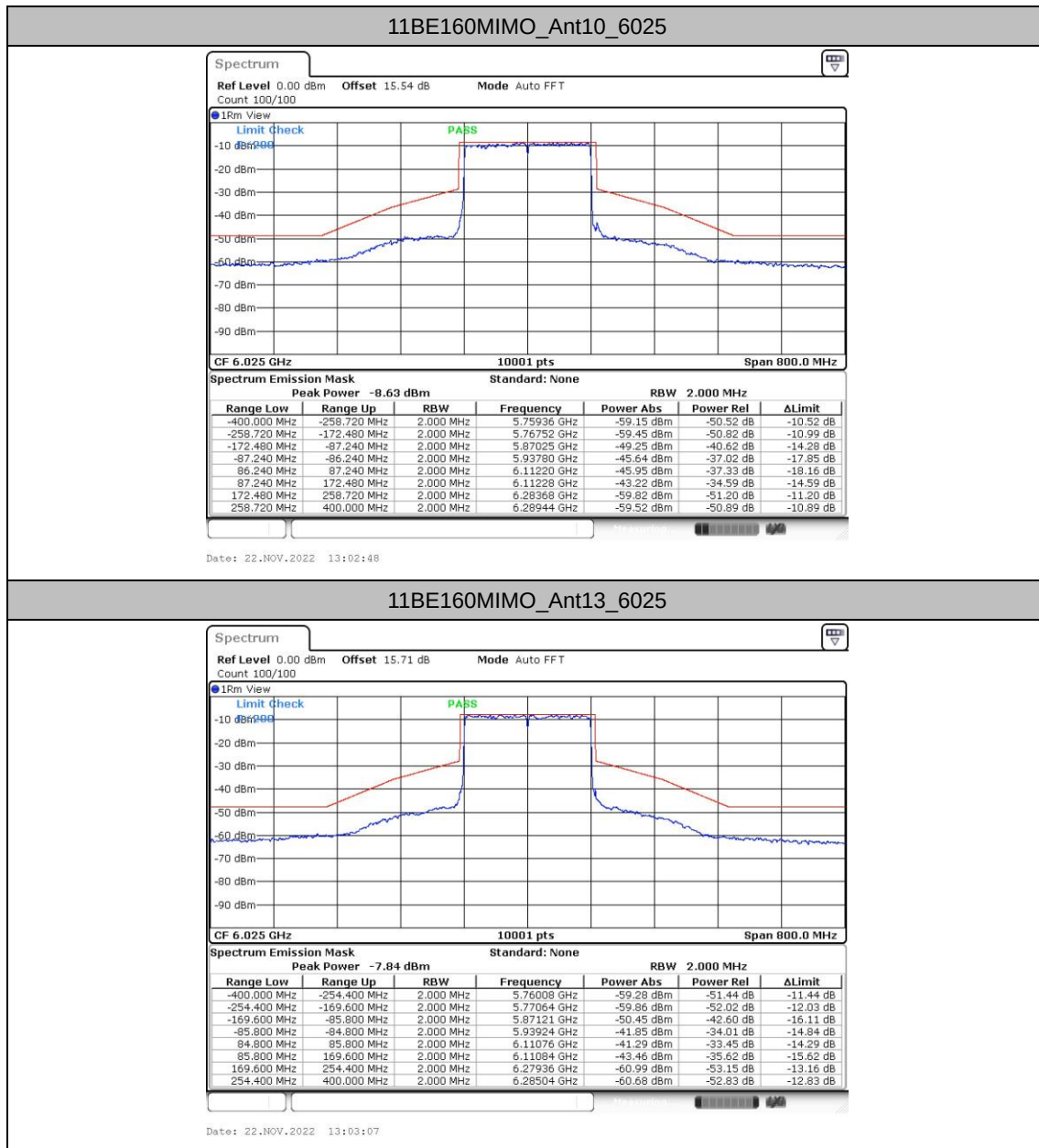


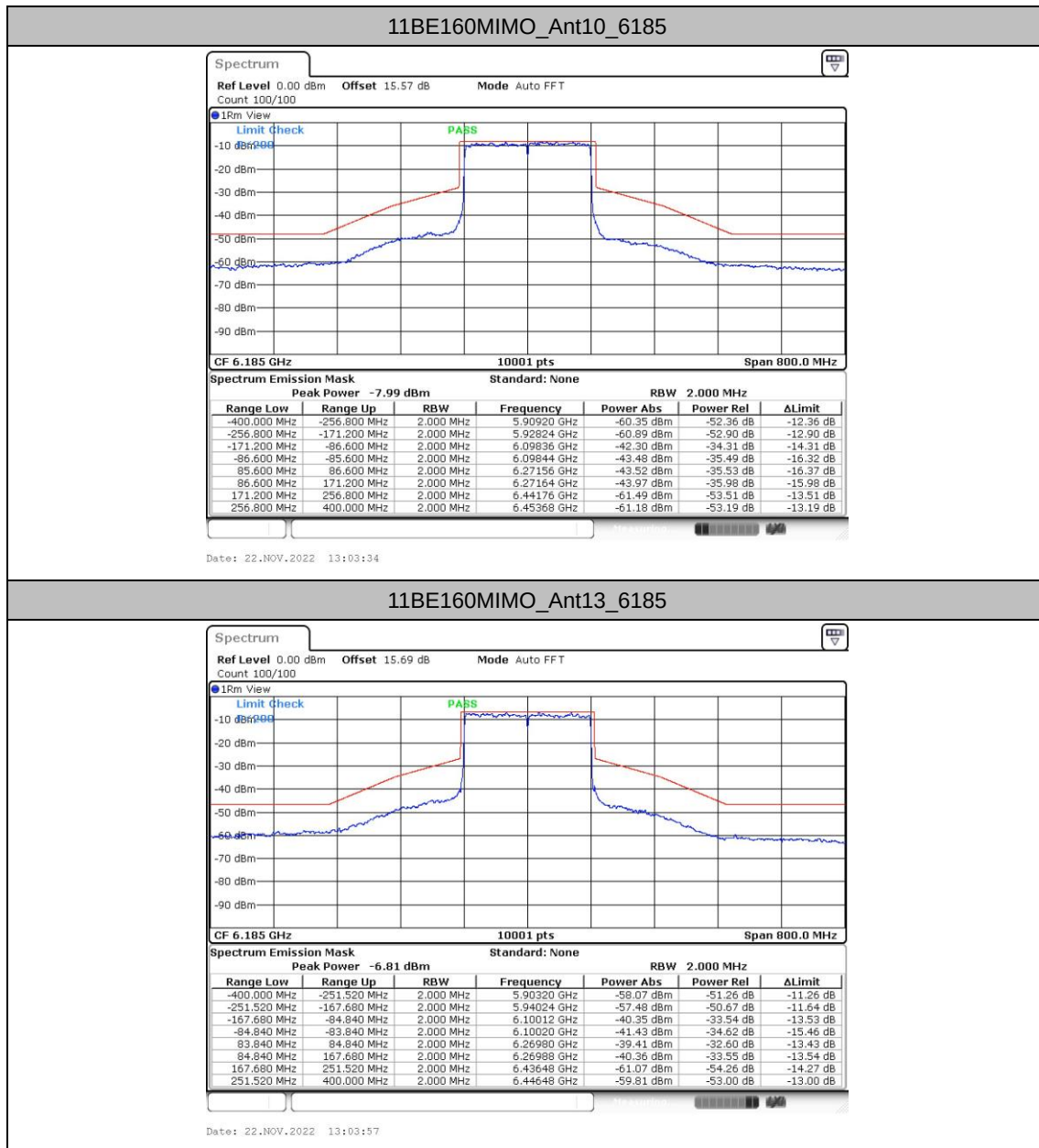
Date: 22.NOV.2022 12:58:27

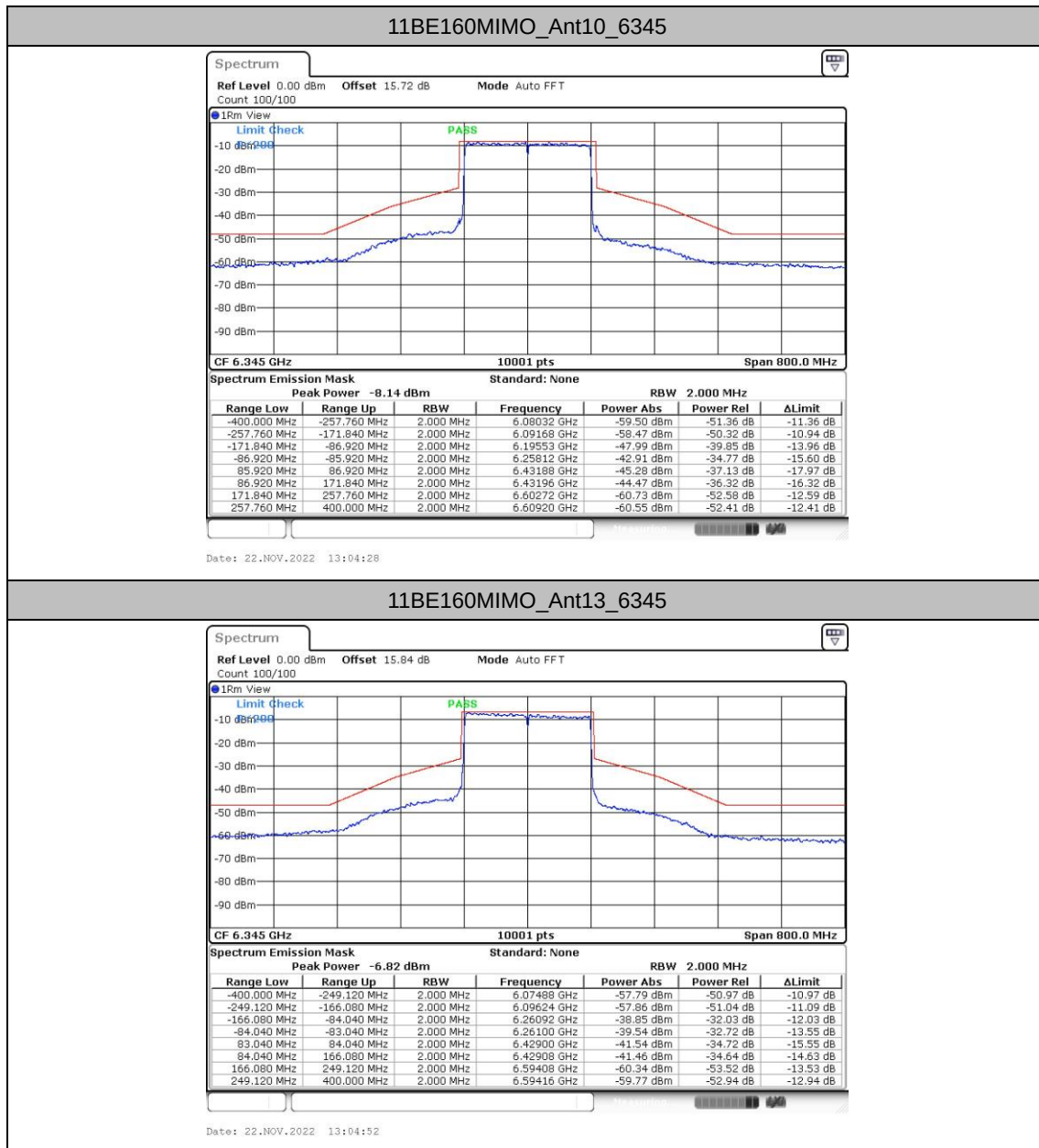
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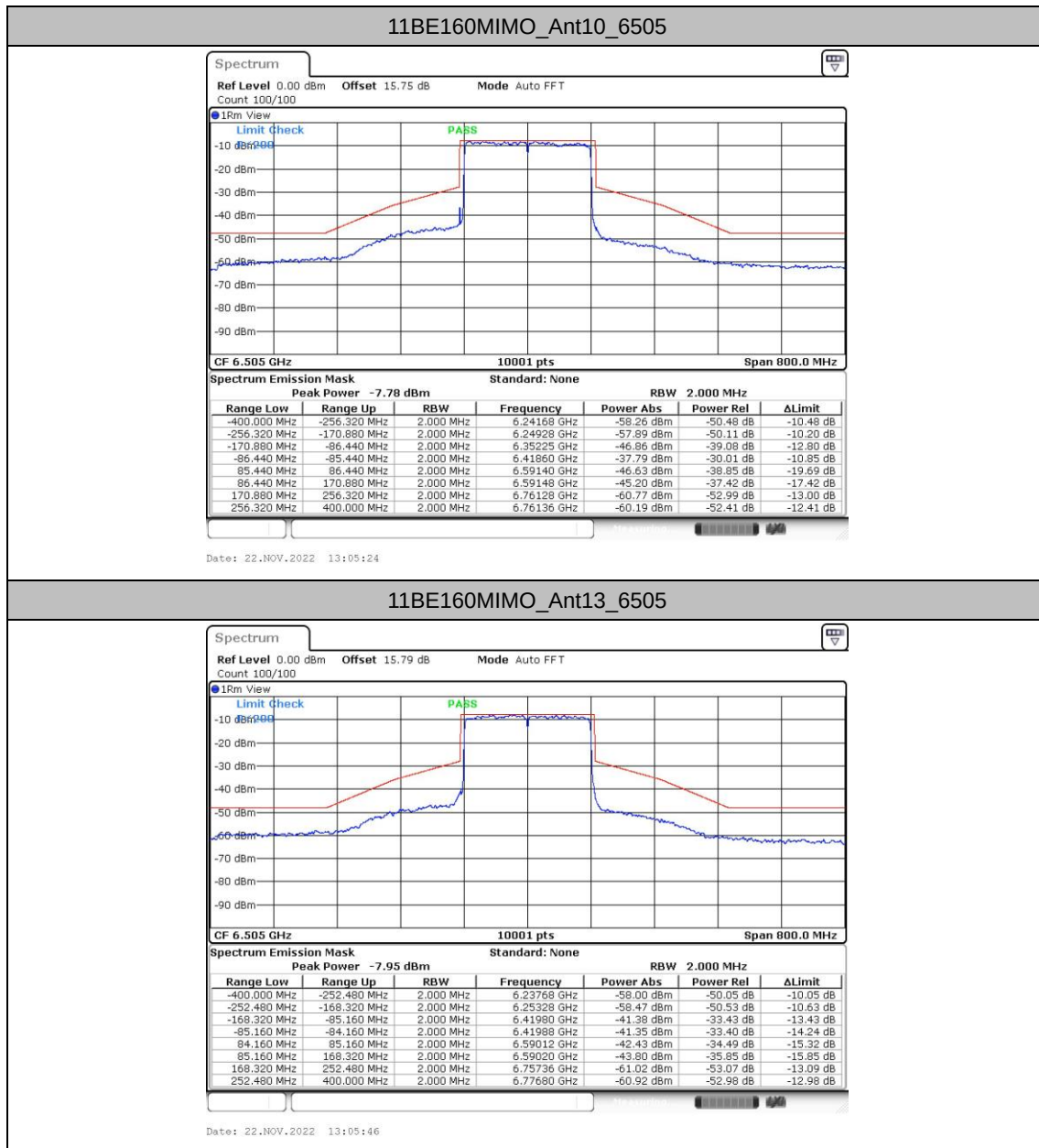


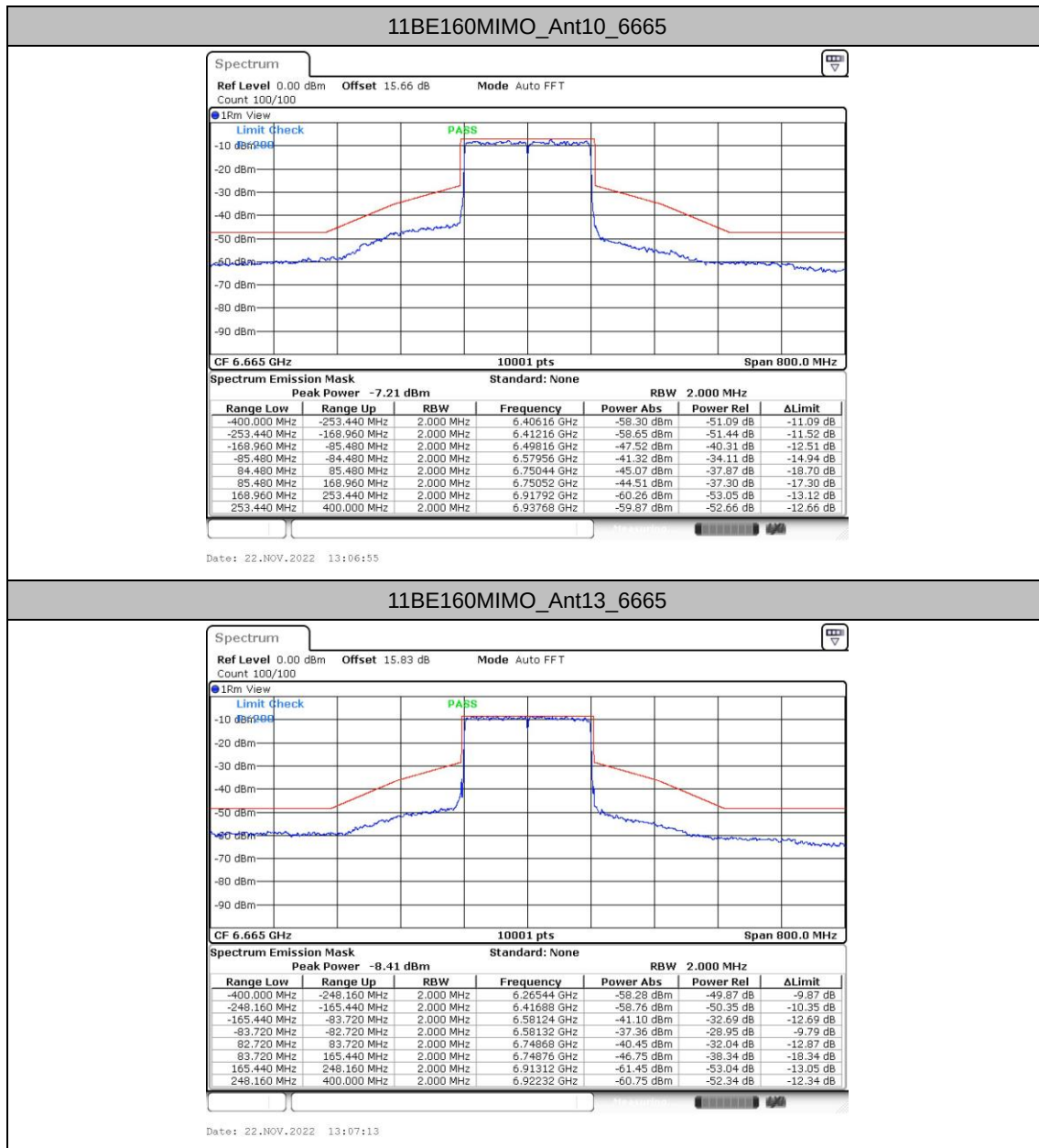
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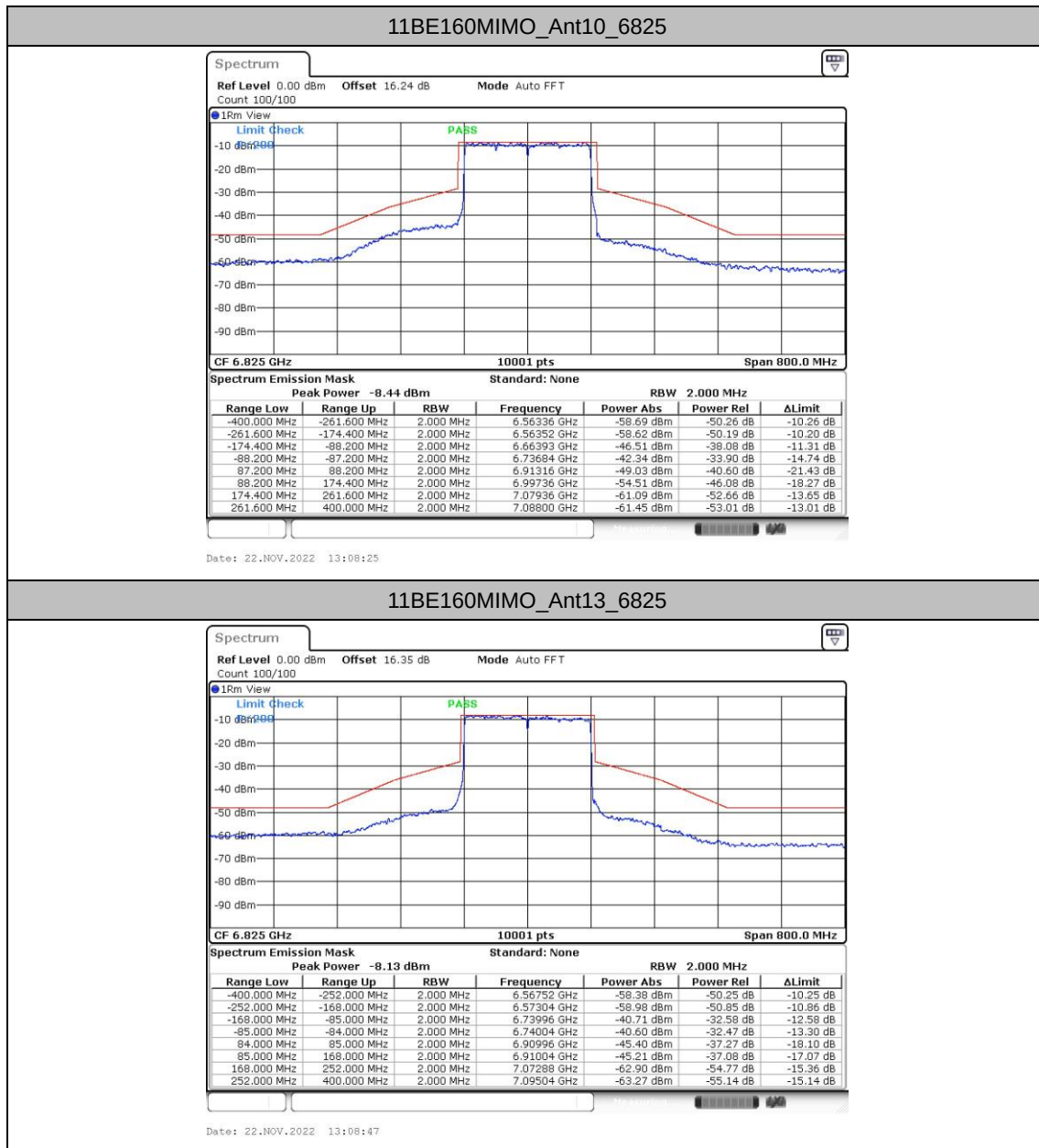






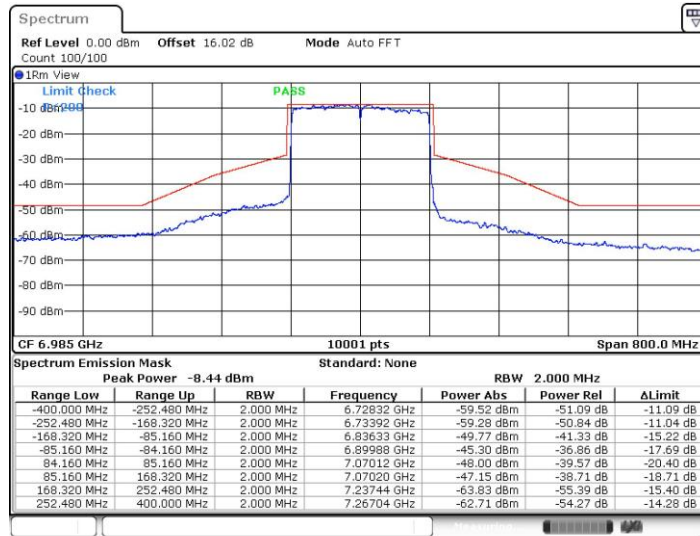




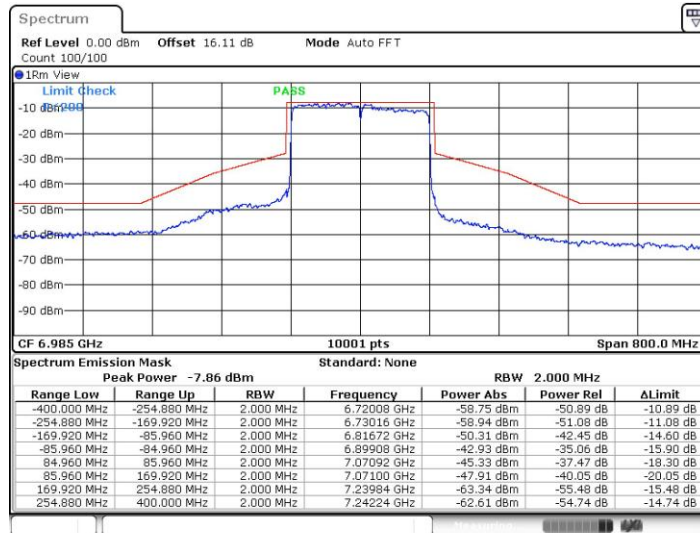


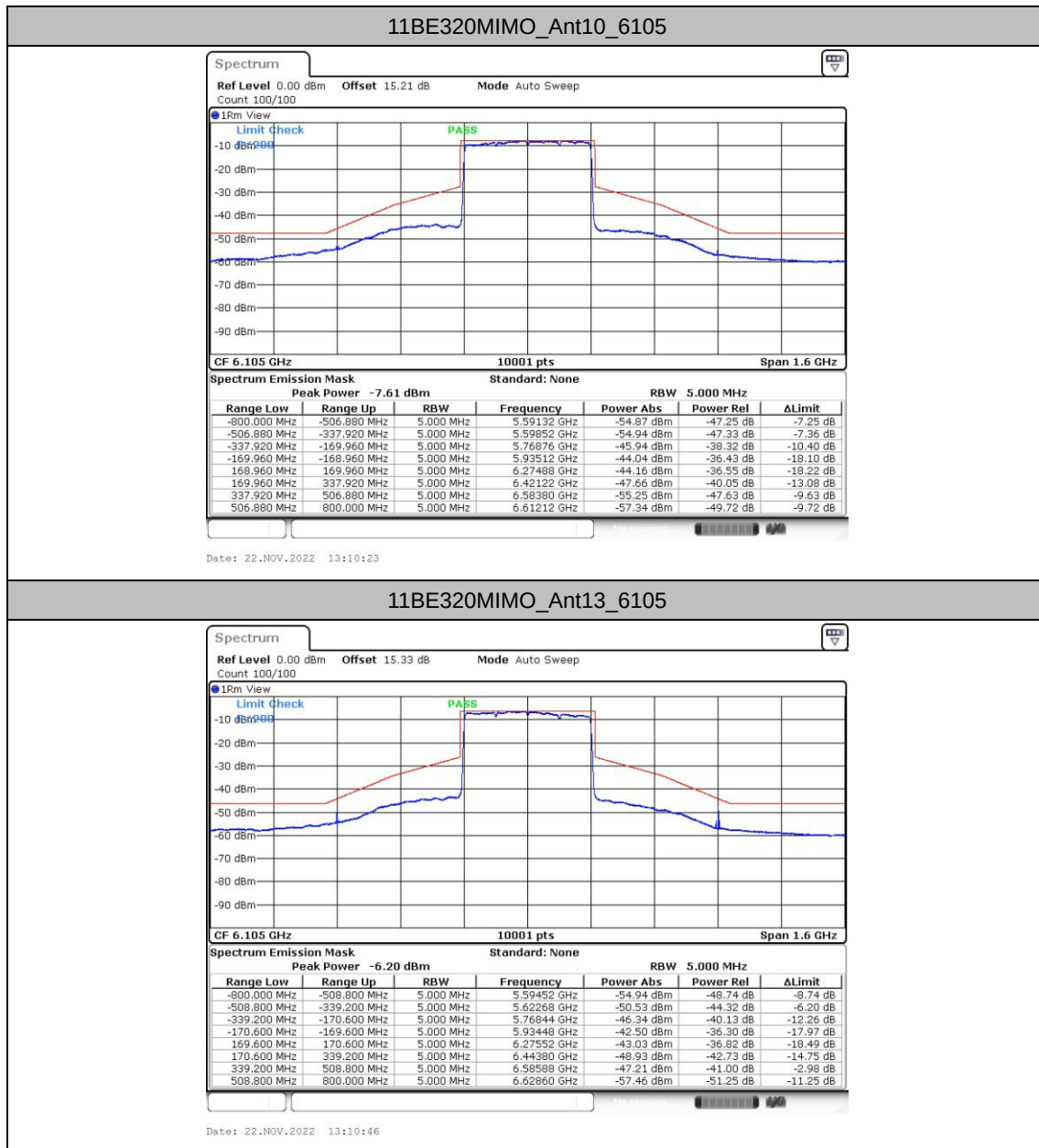


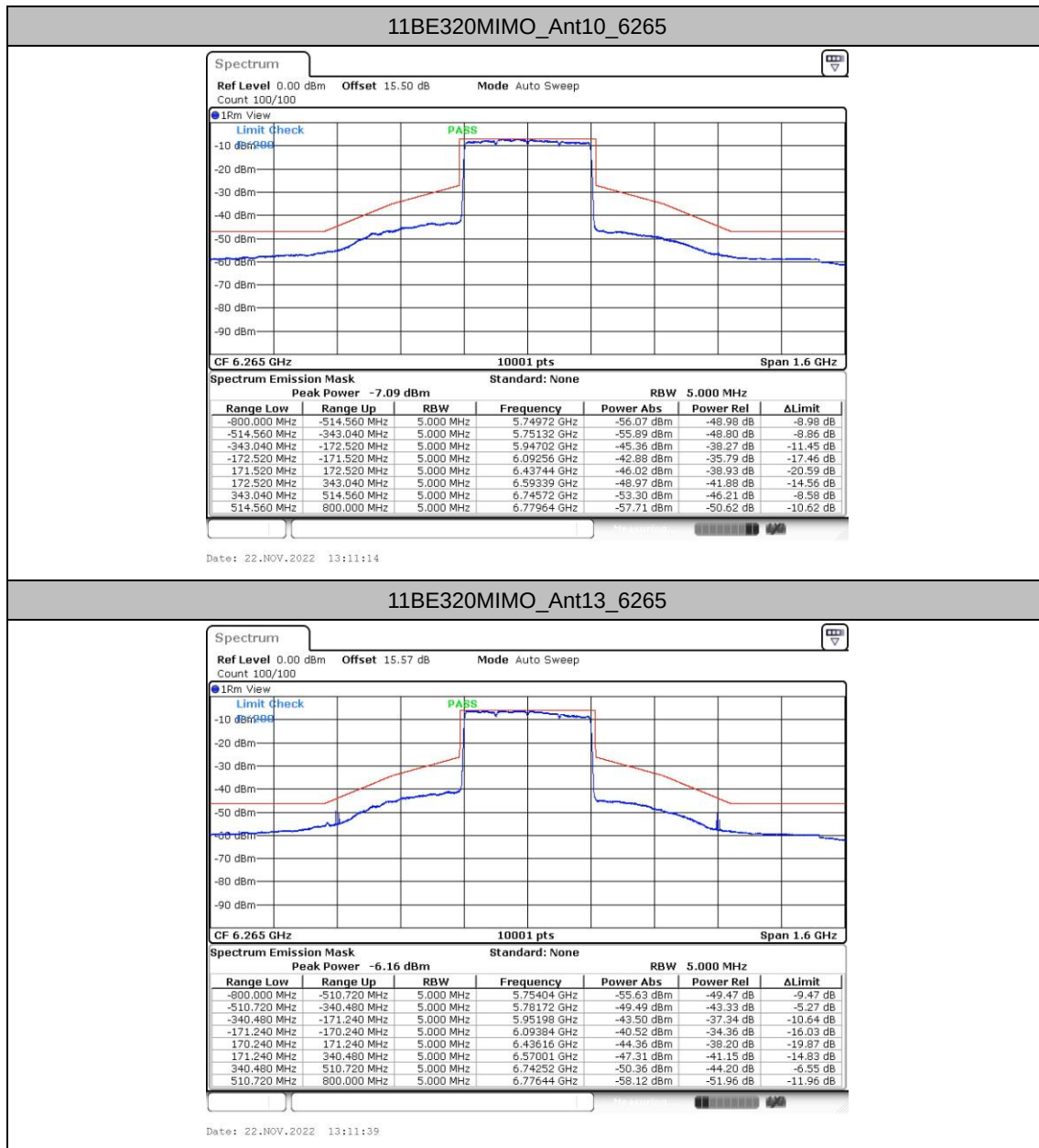
11BE160MIMO_Ant10_6985



11BE160MIMO_Ant13_6985

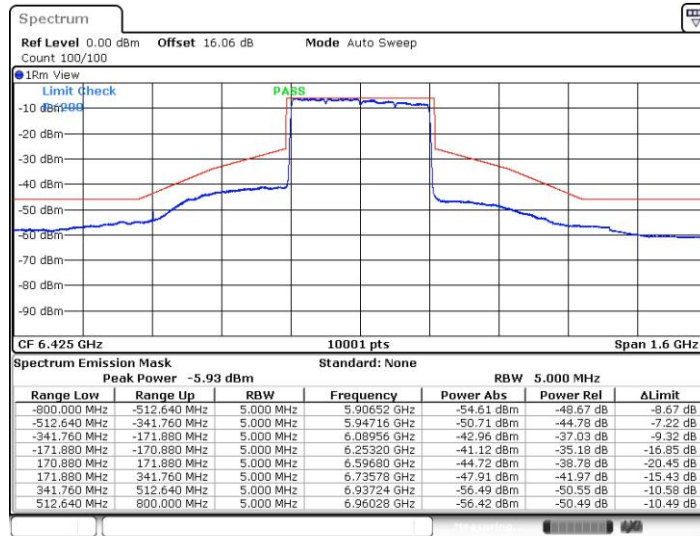






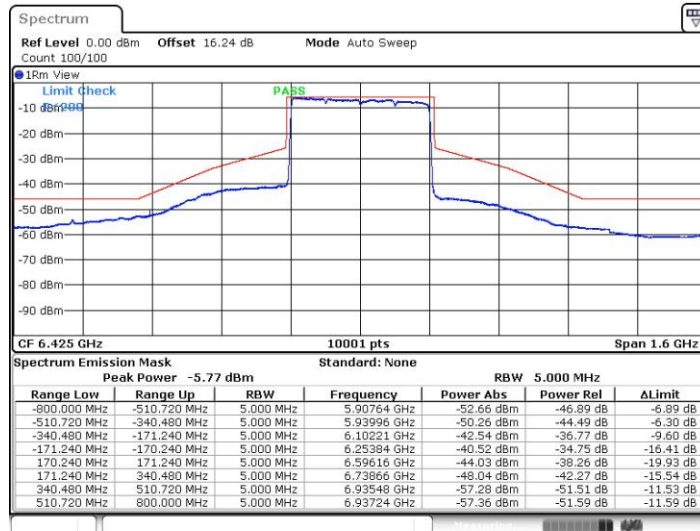


11BE320MIMO_Ant10_6425



Date: 22.NOV.2022 13:12:07

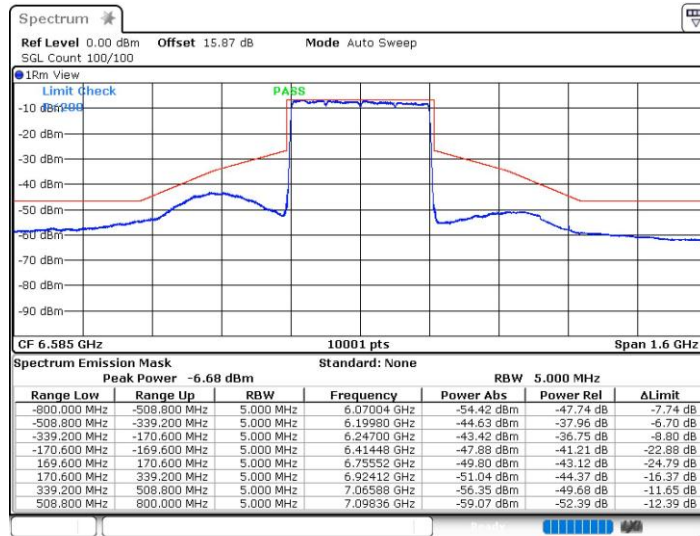
11BE320MIMO_Ant13_6425



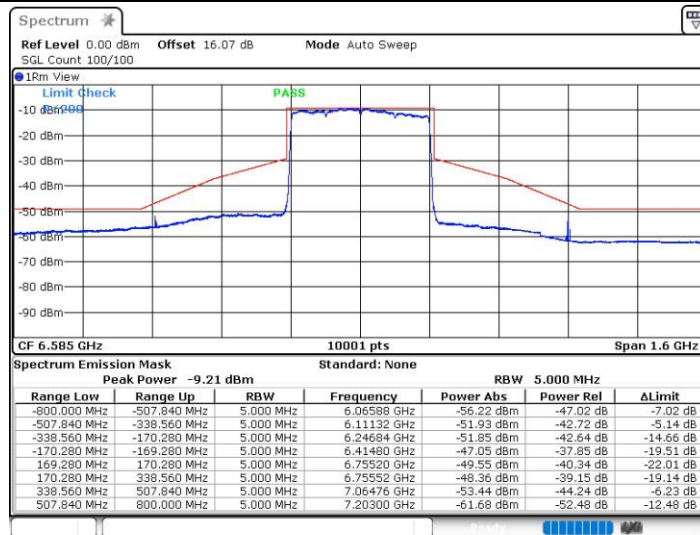
Date: 22.NOV.2022 13:16:00



11BE320MIMO_Ant10_6585

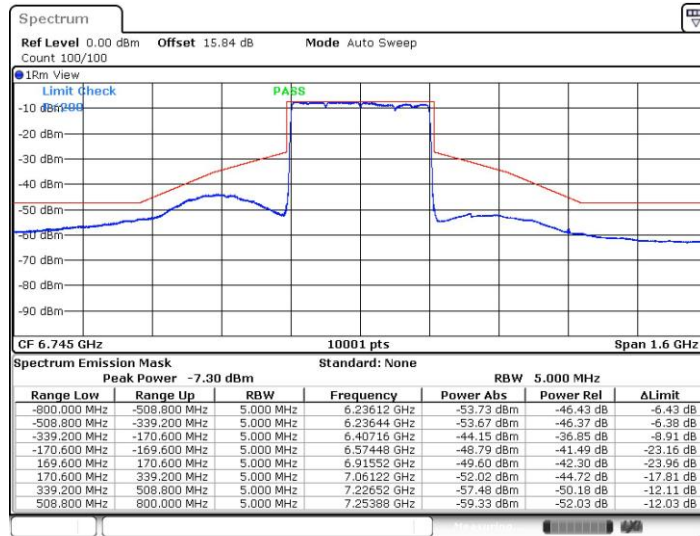


11BE320MIMO_Ant13_6585

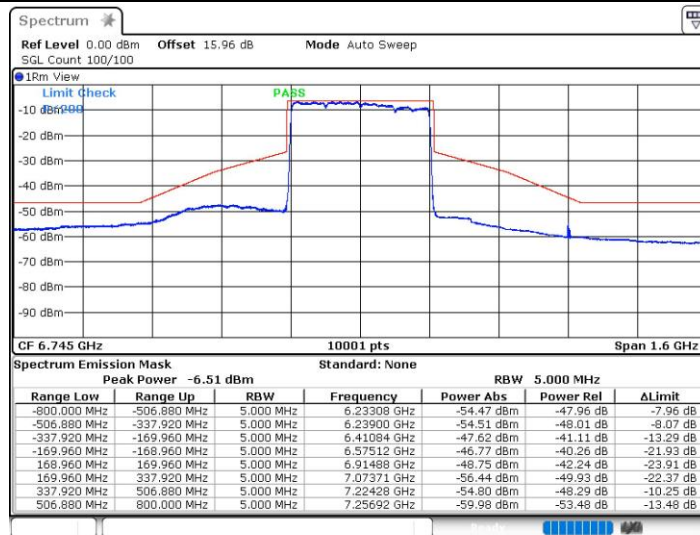


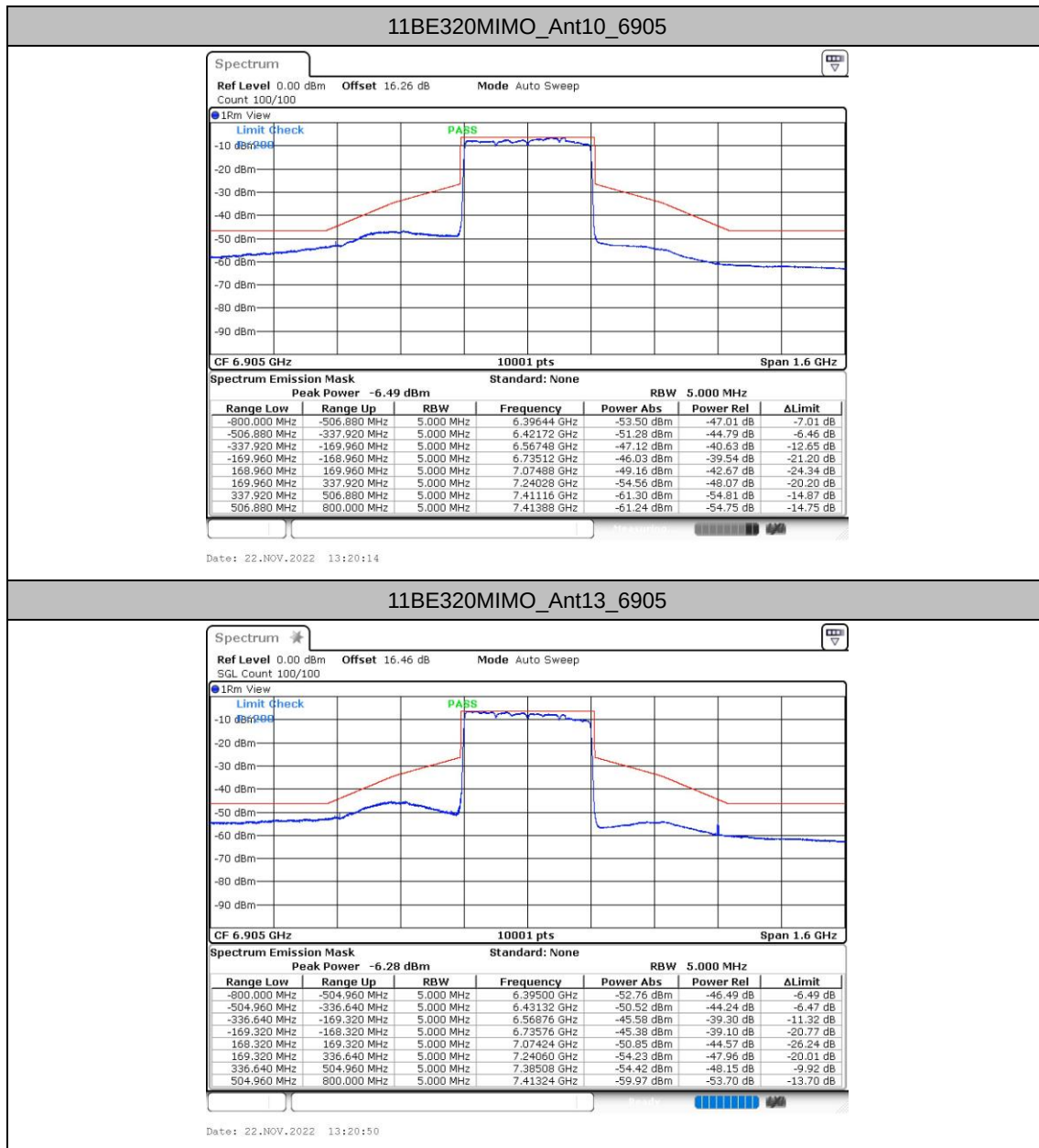


11BE320MIMO_Ant10_6745



11BE320MIMO_Ant13_6745







Single RU

Conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20 MIMO	Ant10	5955	26Tone	RU0	-4.5	-5.38	99.62	0.02	-5.36	≤22.70	1.3	-4.06	≤24.00	PASS
			52Tone	RU37	-2	-2.71	99.62	0.02	-2.69	≤22.70	1.3	-1.39	≤24.00	PASS
			106Tone	RU53	1.5	0.8	99.62	0.02	0.82	≤22.70	1.3	2.12	≤24.00	PASS
	Ant13	5955	26Tone	RU0	-4.5	-4.85	99.62	0.02	-4.83	≤26.20	-2.2	-7.03	≤24.00	PASS
			52Tone	RU37	-2	-2.16	99.62	0.02	-2.14	≤26.20	-2.2	-4.34	≤24.00	PASS
			106Tone	RU53	1.5	0.79	99.62	0.02	0.81	≤26.20	-2.2	-1.39	≤24.00	PASS
	total	5955	26Tone	RU0	---	---	---	---	-2.08	≤26.20	---	-2.29	≤24.00	PASS
			52Tone	RU37	---	---	---	---	0.60	≤26.20	---	0.39	≤24.00	PASS
			106Tone	RU53	---	---	---	---	3.83	≤26.20	---	3.72	≤24.00	PASS
	Ant10	6435	26Tone	RU0	-3.5	-3.66	99.62	0.02	-3.64	≤24.20	-0.2	-3.84	≤24.00	PASS
			52Tone	RU37	-0.5	-0.5	99.62	0.02	-0.48	≤24.20	-0.2	-0.68	≤24.00	PASS
			106Tone	RU53	3	2.78	99.62	0.02	2.8	≤24.20	-0.2	2.6	≤24.00	PASS
	Ant13	6435	26Tone	RU0	-3.5	-5.53	99.62	0.02	-5.51	≤25.40	-1.4	-6.91	≤24.00	PASS
			52Tone	RU37	-0.5	-2.55	99.62	0.02	-2.53	≤25.40	-1.4	-3.93	≤24.00	PASS
			106Tone	RU53	3	-10.73	99.62	0.02	-10.71	≤25.40	-1.4	-12.11	≤24.00	PASS
	total	6435	26Tone	RU0	---	---	---	---	-1.46	≤25.40	---	-2.10	≤24.00	PASS
			52Tone	RU37	---	---	---	---	1.63	≤25.40	---	1.00	≤24.00	PASS
			106Tone	RU53	---	---	---	---	2.99	≤25.40	---	2.74	≤24.00	PASS
	Ant10	6535	26Tone	RU0	-4	-4.5	99.62	0.02	-4.48	≤25.30	-1.3	-5.78	≤24.00	PASS
			52Tone	RU37	-1	-1.09	99.62	0.02	-1.07	≤25.30	-1.3	-2.37	≤24.00	PASS
			106Tone	RU53	2	1.96	99.62	0.02	1.98	≤25.30	-1.3	0.68	≤24.00	PASS
	Ant13	6535	26Tone	RU0	-4	-5.47	99.62	0.02	-5.45	≤23.60	0.4	-5.05	≤24.00	PASS
			52Tone	RU37	-1	-2.46	99.62	0.02	-2.44	≤23.60	0.4	-2.04	≤24.00	PASS
			106Tone	RU53	2	1.16	99.62	0.02	1.18	≤23.60	0.4	1.58	≤24.00	PASS
	total	6535	26Tone	RU0	---	---	---	---	-1.93	≤23.60	---	-2.39	≤24.00	PASS
			52Tone	RU37	---	---	---	---	1.31	≤23.60	---	0.81	≤24.00	PASS
			106Tone	RU53	---	---	---	---	4.61	≤23.60	---	4.16	≤24.00	PASS
	Ant10	7095	26Tone	RU8	-2.5	-3.06	99.62	0.02	-3.04	≤26.40	-2.4	-5.44	≤24.00	PASS
			52Tone	RU40	0.5	-0.16	99.62	0.02	-0.14	≤26.40	-2.4	-2.54	≤24.00	PASS
			106Tone	RU54	3	2.35	99.62	0.02	2.37	≤26.40	-2.4	-0.03	≤24.00	PASS
	Ant13	7095	26Tone	RU8	-2.5	-3.78	99.62	0.02	-3.76	≤22.10	1.9	-1.86	≤24.00	PASS
			52Tone	RU40	0.5	-1.12	99.62	0.02	-1.1	≤22.10	1.9	0.8	≤24.00	PASS
			106Tone	RU54	3	2.53	99.62	0.02	2.55	≤22.10	1.9	4.45	≤24.00	PASS
	total	7095	26Tone	RU8	---	---	---	---	-0.37	≤22.10	---	-0.28	≤24.00	PASS
			52Tone	RU40	---	---	---	---	2.42	≤22.10	---	2.45	≤24.00	PASS
			106Tone	RU54	---	---	---	---	5.47	≤22.10	---	5.77	≤24.00	PASS



Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE20 MIMO	Ant10	5955	26Tone	RU0	-4.5	-5.36	99.62	0.02	-5.34	≤22.70	1.3	-4.04	≤24.00	PASS
			52Tone	RU37	-2	-2.64	99.62	0.02	-2.62	≤22.70	1.3	-1.32	≤24.00	PASS
			106Tone	RU53	1.5	0.82	99.62	0.02	0.84	≤22.70	1.3	2.14	≤24.00	PASS
	Ant13	5955	26Tone	RU0	-4.5	-4.82	99.62	0.02	-4.8	≤26.20	-2.2	-7	≤24.00	PASS
			52Tone	RU37	-2	-2.13	99.62	0.02	-2.11	≤26.20	-2.2	-4.31	≤24.00	PASS
			106Tone	RU53	1.5	0.85	99.62	0.02	0.87	≤26.20	-2.2	-1.33	≤24.00	PASS
	total	5955	26Tone	RU0	---	---	---	---	-2.05	≤26.20	---	-2.26	≤24.00	PASS
			52Tone	RU37	---	---	---	---	0.65	≤26.20	---	0.45	≤24.00	PASS
			106Tone	RU53	---	---	---	---	3.87	≤26.20	---	3.75	≤24.00	PASS
	Ant10	6435	26Tone	RU0	-3.5	-3.55	99.62	0.02	-3.53	≤24.20	-0.2	-3.73	≤24.00	PASS
			52Tone	RU37	-0.5	-0.42	99.62	0.02	-0.4	≤24.20	-0.2	-0.6	≤24.00	PASS
			106Tone	RU53	3	2.83	99.62	0.02	2.85	≤24.20	-0.2	2.65	≤24.00	PASS
	Ant13	6435	26Tone	RU0	-3.5	-5.44	99.62	0.02	-5.42	≤25.40	-1.4	-6.82	≤24.00	PASS
			52Tone	RU37	-0.5	-2.49	99.62	0.02	-2.47	≤25.40	-1.4	-3.87	≤24.00	PASS
			106Tone	RU53	3	1.1	99.62	0.02	1.12	≤25.40	-1.4	-0.28	≤24.00	PASS
	total	6435	26Tone	RU0	---	---	---	---	-1.36	≤25.40	---	-2.00	≤24.00	PASS
			52Tone	RU37	---	---	---	---	1.70	≤25.40	---	1.08	≤24.00	PASS
			106Tone	RU53	---	---	---	---	5.08	≤25.40	---	4.44	≤24.00	PASS
	Ant10	6535	26Tone	RU0	-4	-4.3	99.62	0.02	-4.28	≤25.30	-1.3	-5.58	≤24.00	PASS
			52Tone	RU37	-1	-1.05	99.62	0.02	-1.03	≤25.30	-1.3	-2.33	≤24.00	PASS
			106Tone	RU53	2	2.03	99.62	0.02	2.05	≤25.30	-1.3	0.75	≤24.00	PASS
	Ant13	6535	26Tone	RU0	-4	-5.45	99.62	0.02	-5.43	≤23.60	0.4	-5.03	≤24.00	PASS
			52Tone	RU37	-1	-2.45	99.62	0.02	-2.43	≤23.60	0.4	-2.03	≤24.00	PASS
			106Tone	RU53	2	1.29	99.62	0.02	1.31	≤23.60	0.4	1.71	≤24.00	PASS
	total	6535	26Tone	RU0	---	---	---	---	-1.81	≤23.60	---	-2.29	≤24.00	PASS
			52Tone	RU37	---	---	---	---	1.34	≤23.60	---	0.83	≤24.00	PASS
			106Tone	RU53	---	---	---	---	4.71	≤23.60	---	4.27	≤24.00	PASS
	Ant10	7095	26Tone	RU8	-2.5	-3	99.62	0.02	-2.98	≤26.40	-2.4	-5.38	≤24.00	PASS
			52Tone	RU40	0.5	-0.1	99.62	0.02	-0.08	≤26.40	-2.4	-2.48	≤24.00	PASS
			106Tone	RU54	3	2.42	99.62	0.02	2.44	≤26.40	-2.4	0.04	≤24.00	PASS
	Ant13	7095	26Tone	RU8	-2.5	-3.73	99.62	0.02	-3.71	≤22.10	1.9	-1.81	≤24.00	PASS
			52Tone	RU40	0.5	-1.07	99.62	0.02	-1.05	≤22.10	1.9	0.85	≤24.00	PASS
			106Tone	RU54	3	2.8	99.62	0.02	2.82	≤22.10	1.9	4.72	≤24.00	PASS
	total	7095	26Tone	RU8	---	---	---	---	-0.32	≤22.10	---	-0.23	≤24.00	PASS
			52Tone	RU40	---	---	---	---	2.47	≤22.10	---	2.51	≤24.00	PASS
			106Tone	RU54	---	---	---	---	5.64	≤22.10	---	5.99	≤24.00	PASS
	Ant10	7115	26Tone	RU8	-2.5	-3.3	99.62	0.02	-3.28	≤26.40	-2.4	-5.68	≤24.00	PASS
			52Tone	RU40	0.5	-0.26	99.62	0.02	-0.24	≤26.40	-2.4	-2.64	≤24.00	PASS
			106Tone	RU54	-13.5	-14.92	99.62	0.02	-14.9	≤26.40	-2.4	-17.3	≤24.00	PASS
	Ant13	7115	26Tone	RU8	-2.5	-3.78	99.62	0.02	-3.76	≤22.10	1.9	-1.86	≤24.00	PASS
			52Tone	RU40	0.5	-1.04	99.62	0.02	-1.02	≤22.10	1.9	0.88	≤24.00	PASS
			106Tone	RU54	-13.5	-13.91	99.62	0.02	-13.89	≤22.10	1.9	-11.99	≤24.00	PASS
	total	7115	26Tone	RU8	---	---	---	---	-0.50	≤22.10	---	-0.35	≤24.00	PASS
			52Tone	RU40	---	---	---	---	2.40	≤22.10	---	2.48	≤24.00	PASS
			106Tone	RU54	---	---	---	---	-11.36	≤22.10	---	-10.87	≤24.00	PASS

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



Power spectral density

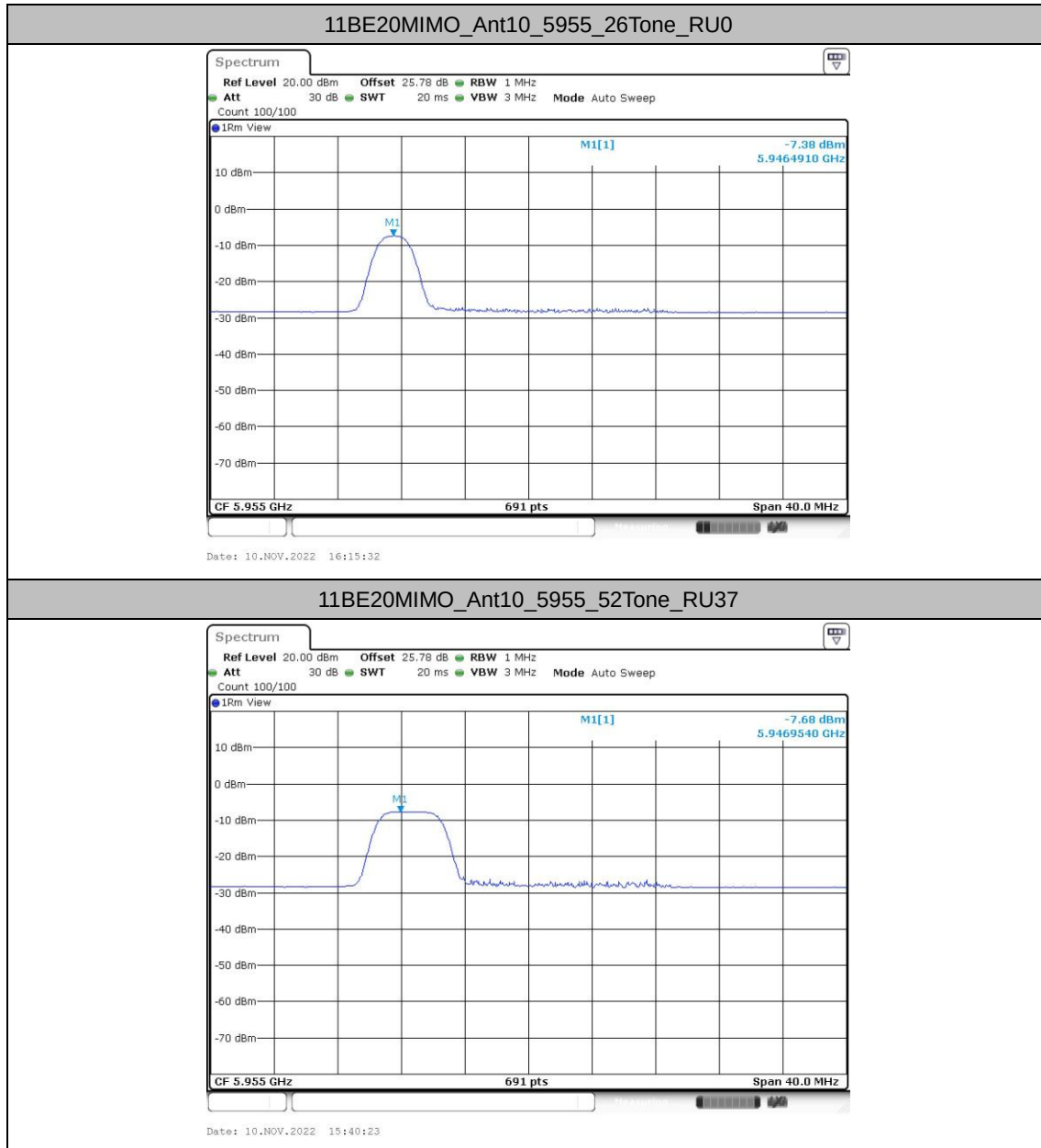
Test Result

Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Result [dBm/MHz]	Limit [dBm/MHz]	Gain	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11BE20MIMO	Ant10	5955	26Tone	RU0	-7.38	≤-2.30	1.30	-6.08	≤-1.00	PASS
			52Tone	RU37	-7.68	≤-2.30	1.30	-6.38	≤-1.00	PASS
			106Tone	RU53	-7.21	≤-2.30	1.30	-5.91	≤-1.00	PASS
	Ant13	5955	26Tone	RU0	-7.17	≤1.20	-2.20	-9.37	≤-1.00	PASS
			52Tone	RU37	-7.49	≤1.20	-2.20	-9.69	≤-1.00	PASS
			106Tone	RU53	-6.9	≤1.20	-2.20	-9.10	≤-1.00	PASS
	total	5955	26Tone	RU0	-4.26	≤-3.74	2.74	-1.52	≤-1.00	PASS
			52Tone	RU37	-4.57	≤-3.74	2.74	-1.83	≤-1.00	PASS
			106Tone	RU53	-4.04	≤-3.74	2.74	-1.30	≤-1.00	PASS
	Ant10	6435	26Tone	RU0	-5.96	≤-0.80	-0.20	-6.16	≤-1.00	PASS
			52Tone	RU37	-5.74	≤-0.80	-0.20	-5.94	≤-1.00	PASS
			106Tone	RU53	-5.85	≤-0.80	-0.20	-6.05	≤-1.00	PASS
	Ant13	6435	26Tone	RU0	-8.14	≤0.40	-1.40	-9.54	≤-1.00	PASS
			52Tone	RU37	-8.11	≤0.40	-1.40	-9.51	≤-1.00	PASS
			106Tone	RU53	-7.81	≤0.40	-1.40	-9.21	≤-1.00	PASS
	total	6435	26Tone	RU0	-3.90	≤-3.23	2.23	-1.67	≤-1.00	PASS
			52Tone	RU37	-3.75	≤-3.23	2.23	-1.52	≤-1.00	PASS
			106Tone	RU53	-3.71	≤-3.23	2.23	-1.48	≤-1.00	PASS
	Ant10	6535	26Tone	RU0	-6.48	≤0.30	-1.30	-7.78	≤-1.00	PASS
			52Tone	RU37	-6.31	≤0.30	-1.30	-7.61	≤-1.00	PASS
			106Tone	RU53	-6.77	≤0.30	-1.30	-8.07	≤-1.00	PASS
	Ant13	6535	26Tone	RU0	-8.01	≤-1.40	0.40	-7.61	≤-1.00	PASS
			52Tone	RU37	-7.88	≤-1.40	0.40	-7.48	≤-1.00	PASS
			106Tone	RU53	-7.06	≤-1.40	0.40	-6.66	≤-1.00	PASS
	total	6535	26Tone	RU0	-4.17	≤-3.60	2.60	-1.57	≤-1.00	PASS
			52Tone	RU37	-4.01	≤-3.60	2.60	-1.41	≤-1.00	PASS
			106Tone	RU53	-3.90	≤-3.60	2.60	-1.30	≤-1.00	PASS
	Ant10	7095	26Tone	RU8	-7.23	≤1.40	-2.40	-9.63	≤-1.00	PASS
			52Tone	RU40	-7.33	≤1.40	-2.40	-9.73	≤-1.00	PASS
			106Tone	RU54	-7.45	≤1.40	-2.40	-9.85	≤-1.00	PASS
	Ant13	7095	26Tone	RU8	-7.85	≤-2.90	1.90	-5.95	≤-1.00	PASS
			52Tone	RU40	-7.93	≤-2.90	1.90	-6.03	≤-1.00	PASS
			106Tone	RU54	-7.32	≤-2.90	1.90	-5.42	≤-1.00	PASS
	total	7095	26Tone	RU8	-4.52	≤-4.02	3.02	-1.50	≤-1.00	PASS
			52Tone	RU40	-4.61	≤-4.02	3.02	-1.59	≤-1.00	PASS
			106Tone	RU54	-4.37	≤-4.02	3.02	-1.35	≤-1.00	PASS
	Ant10	7115	26Tone	RU8	-7.31	≤1.40	-2.40	-9.71	≤-1.00	PASS
			52Tone	RU40	-7.5	≤1.40	-2.40	-9.90	≤-1.00	PASS
			106Tone	RU54	-24.4	≤1.40	-2.40	-25.8	≤-1.00	PASS
	Ant13	7115	26Tone	RU8	-8	≤-2.90	1.90	-6.10	≤-1.00	PASS
			52Tone	RU40	-7.72	≤-2.90	1.90	-5.82	≤-1.00	PASS
			106Tone	RU54	-24.78	≤-2.90	1.90	-21.88	≤-1.00	PASS
	total	7115	26Tone	RU8	-4.63	≤-4.02	3.02	-1.61	≤-1.00	PASS
			52Tone	RU40	-4.60	≤-4.02	3.02	-1.58	≤-1.00	PASS
			106Tone	RU54	-21.58	≤-4.02	3.02	-18.56	≤-1.00	PASS

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

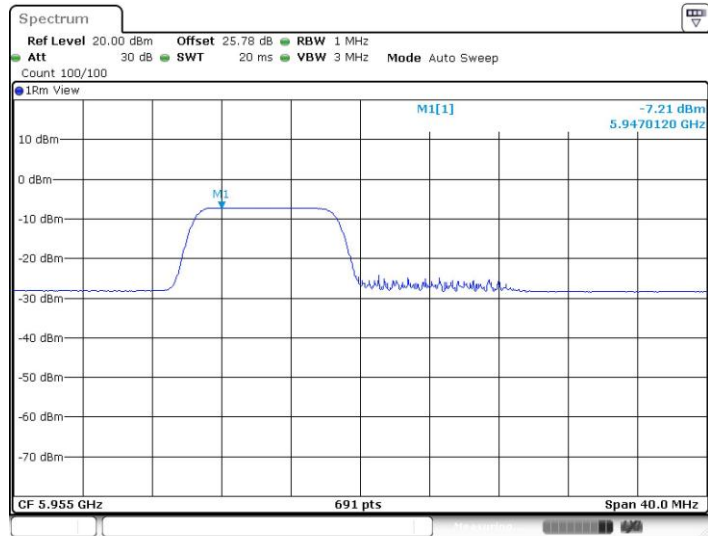


Test Graphs



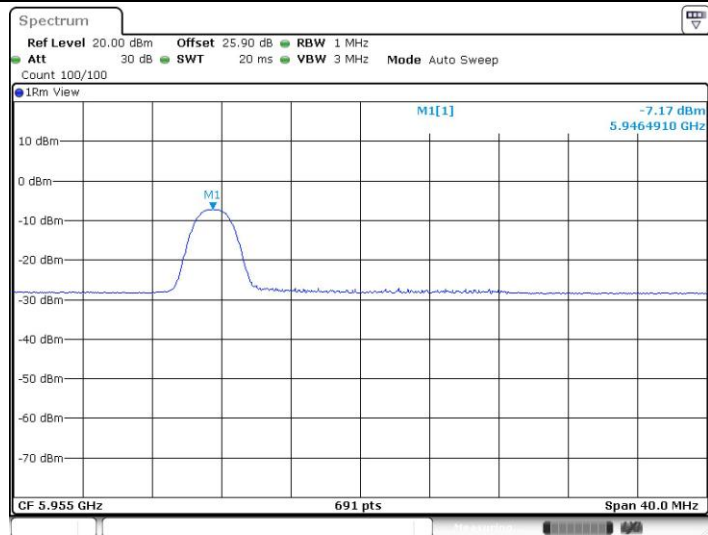


11BE20MIMO_Ant10_5955_106Tone_RU53



Date: 8.DEC.2022 21:58:09

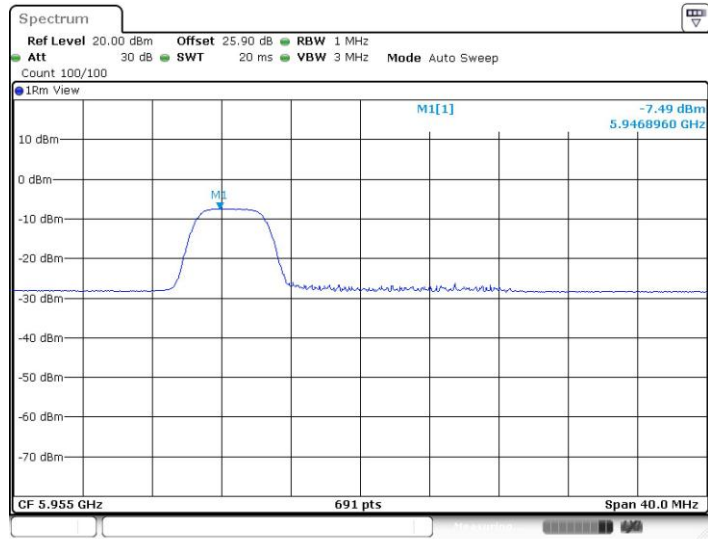
11BE20MIMO_Ant13_5955_26Tone_RU0



Date: 10.NOV.2022 16:15:40

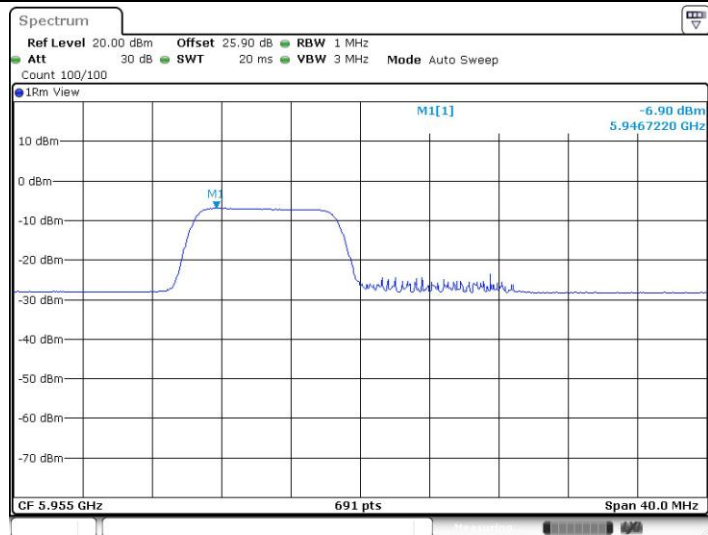


11BE20MIMO_Ant13_5955_52Tone_RU37

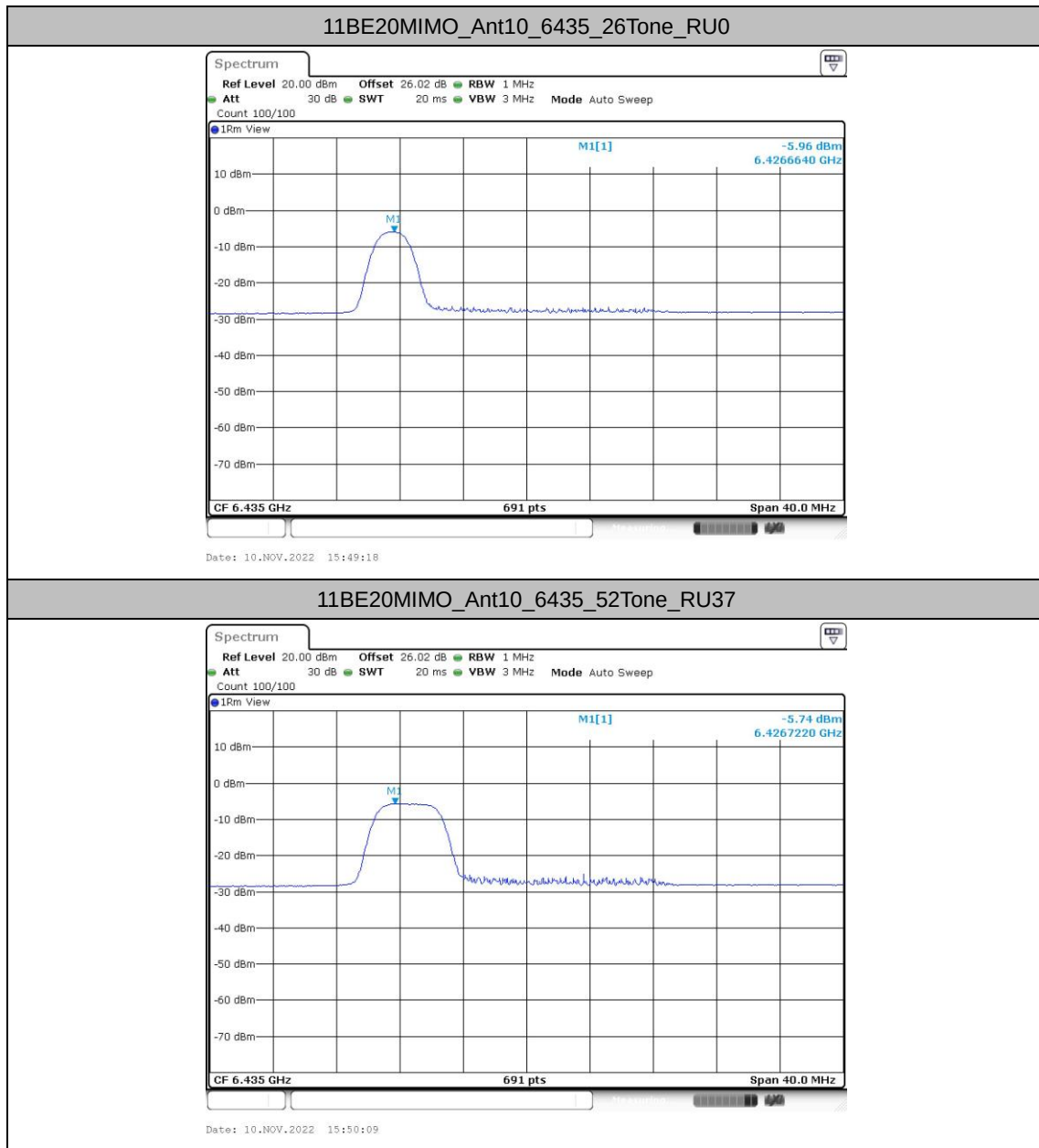


Date: 10.NOV.2022 15:40:31

11BE20MIMO_Ant13_5955_106Tone_RU53

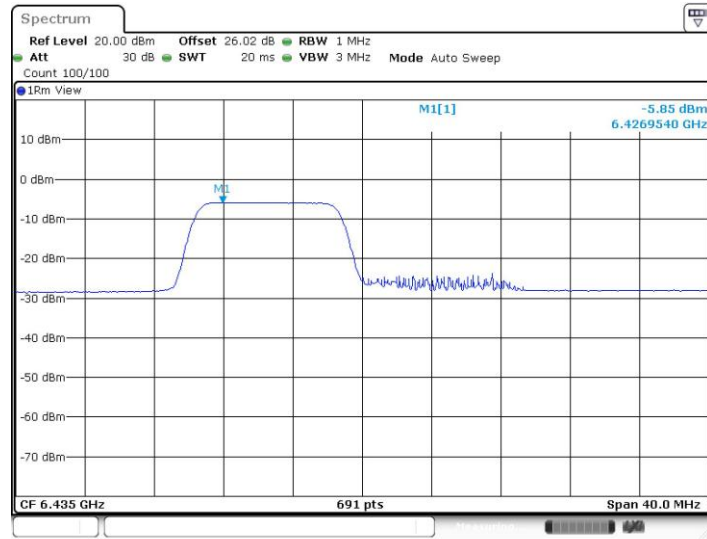


Date: 8.DEC.2022 22:00:09



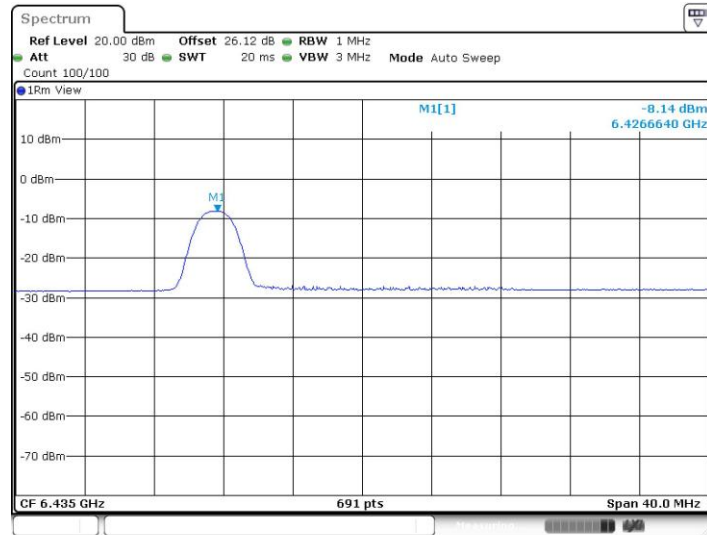


11BE20MIMO_Ant10_6435_106Tone_RU53



Date: 10.NOV.2022 15:52:02

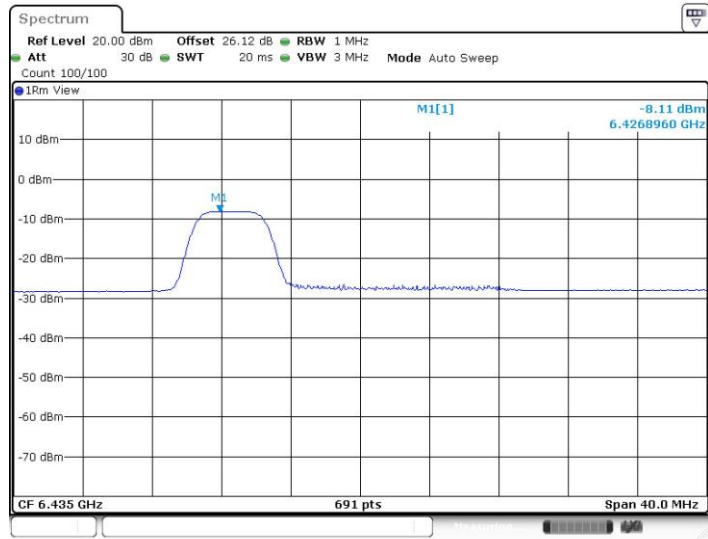
11BE20MIMO_Ant13_6435_26Tone_RU0



Date: 10.NOV.2022 15:49:26

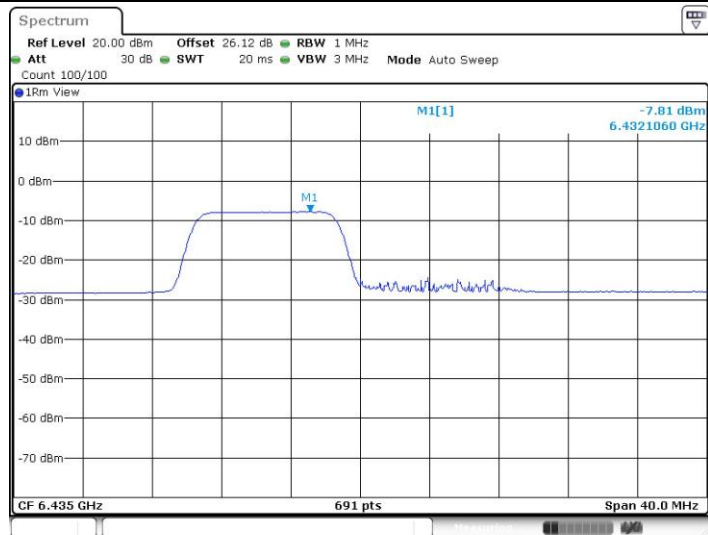


11BE20MIMO_Ant13_6435_52Tone_RU37

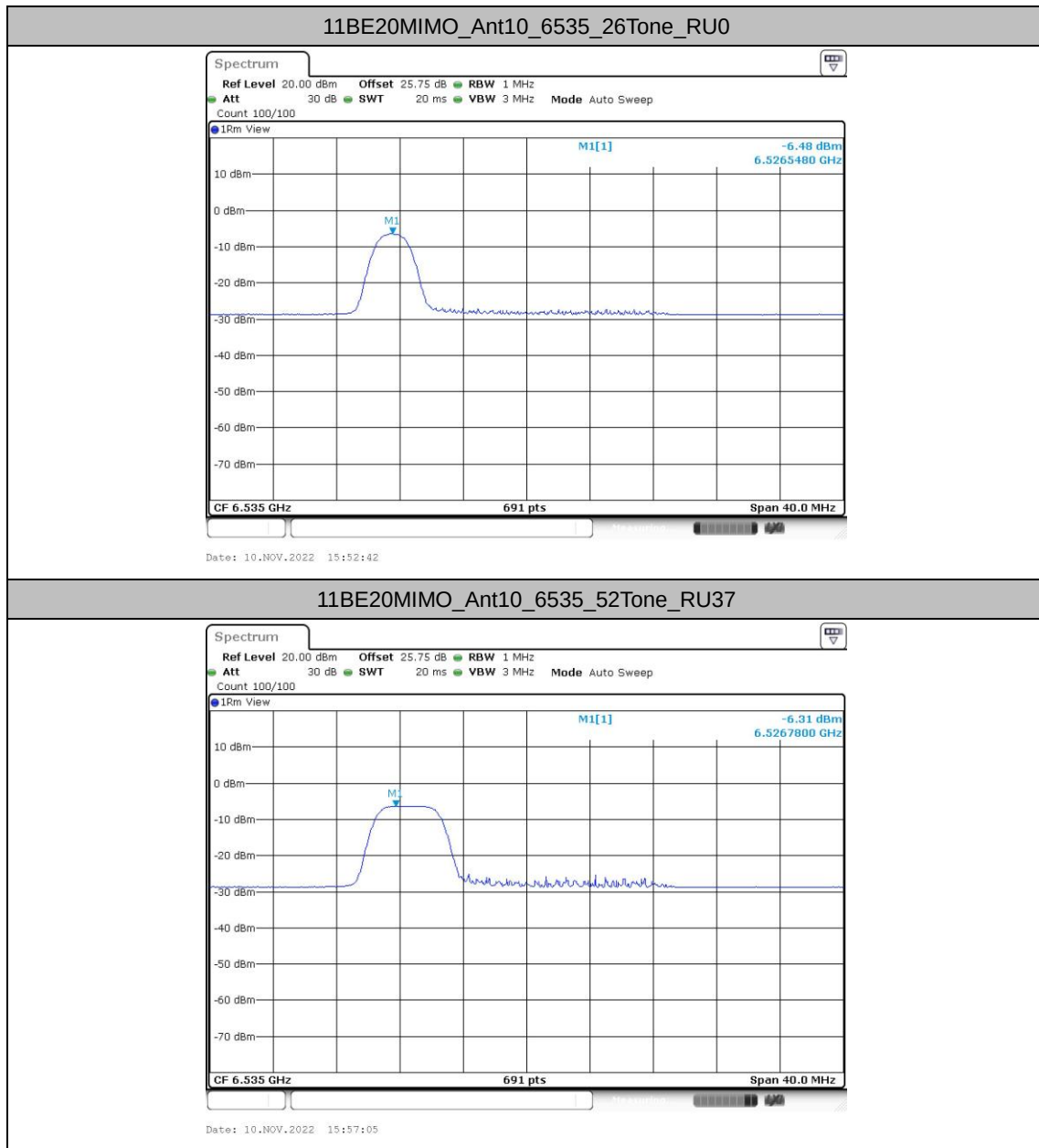


Date: 10.NOV.2022 15:50:17

11BE20MIMO_Ant13_6435_106Tone_RU53

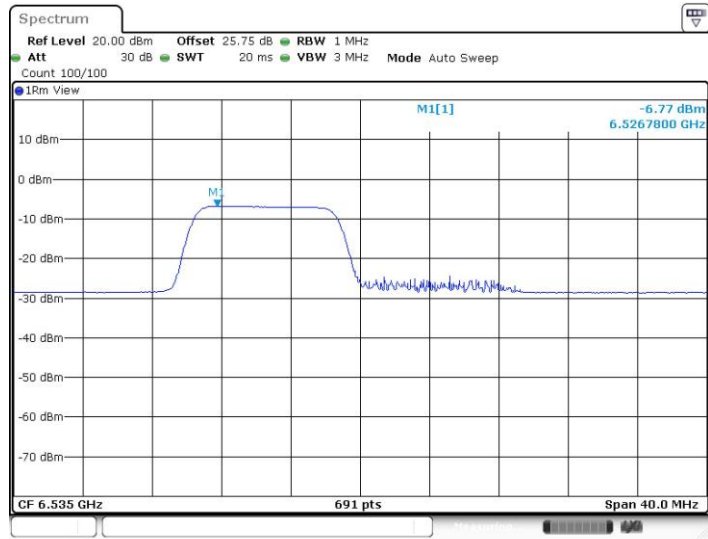


Date: 10.NOV.2022 15:52:10



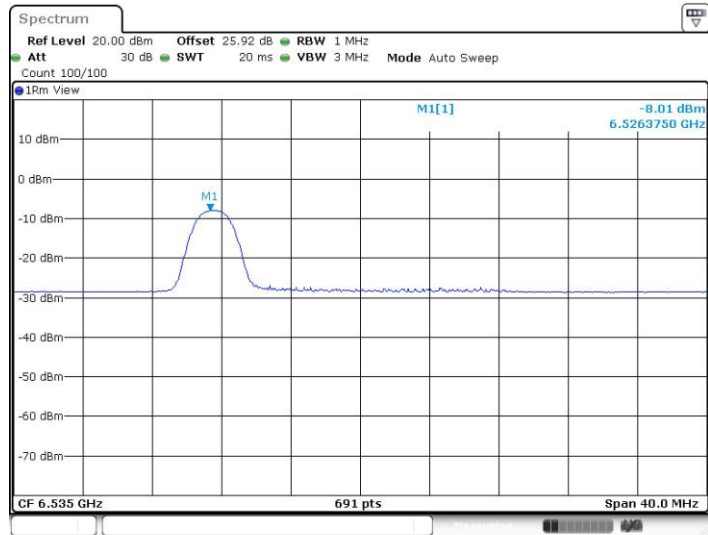


11BE20MIMO_Ant10_6535_106Tone_RU53



Date: 8.DEC.2022 22:03:29

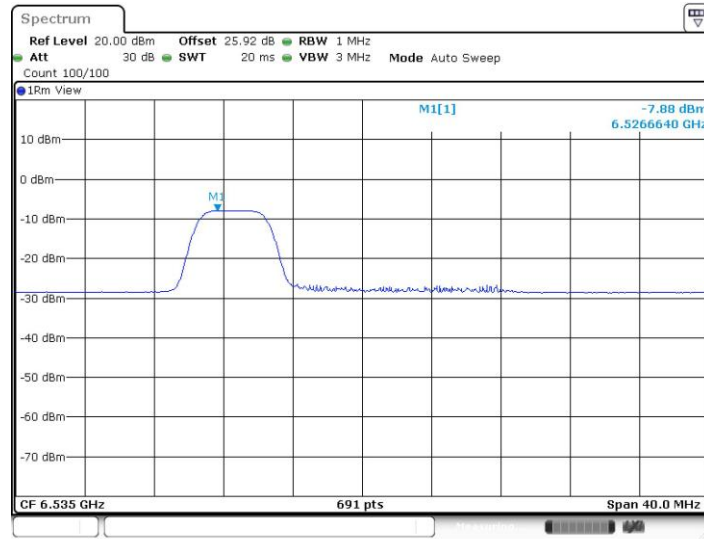
11BE20MIMO_Ant13_6535_26Tone_RU0



Date: 10.NOV.2022 15:52:50

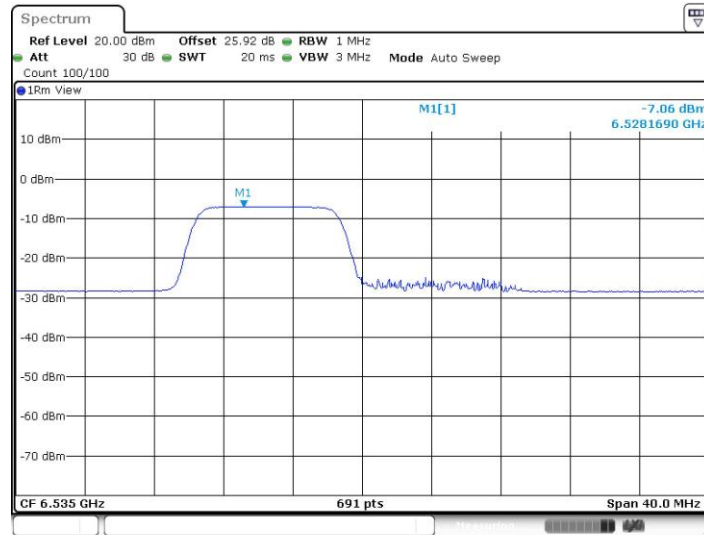


11BE20MIMO_Ant13_6535_52Tone_RU37

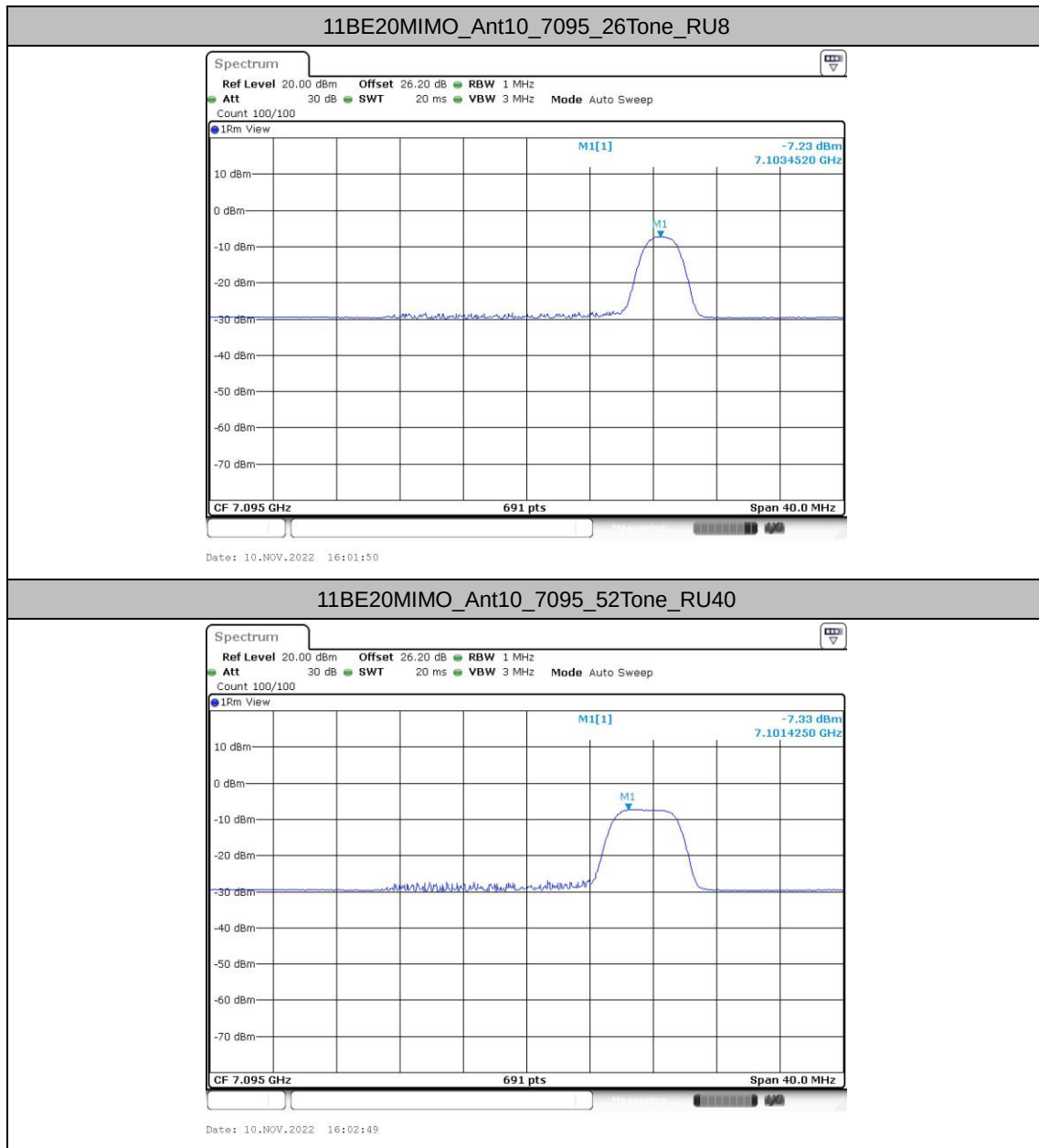


Date: 10.NOV.2022 15:57:13

11BE20MIMO_Ant13_6535_106Tone_RU53

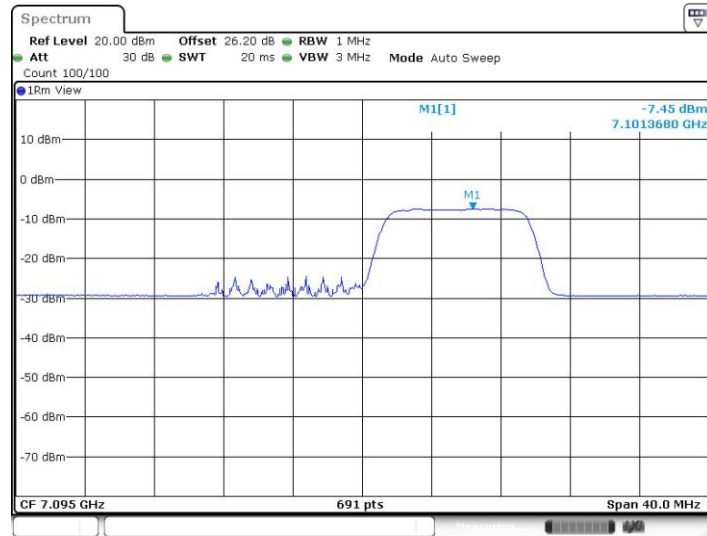


Date: 8.DEC.2022 22:03:37



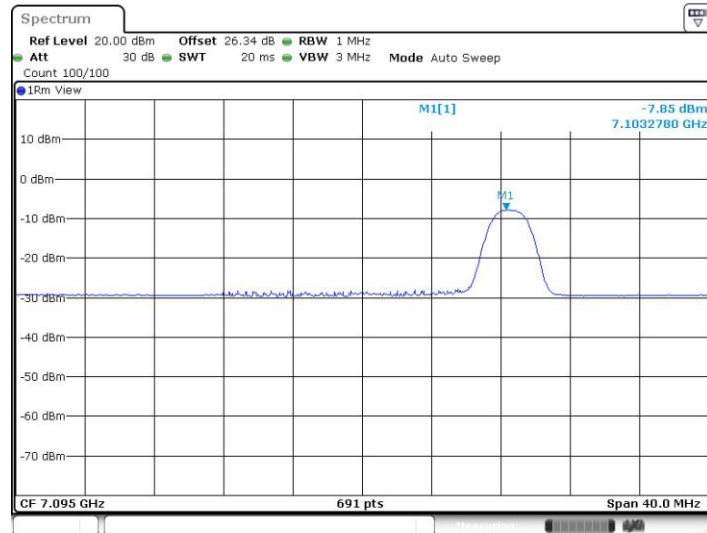


11BE20MIMO_Ant10_7095_106Tone_RU54

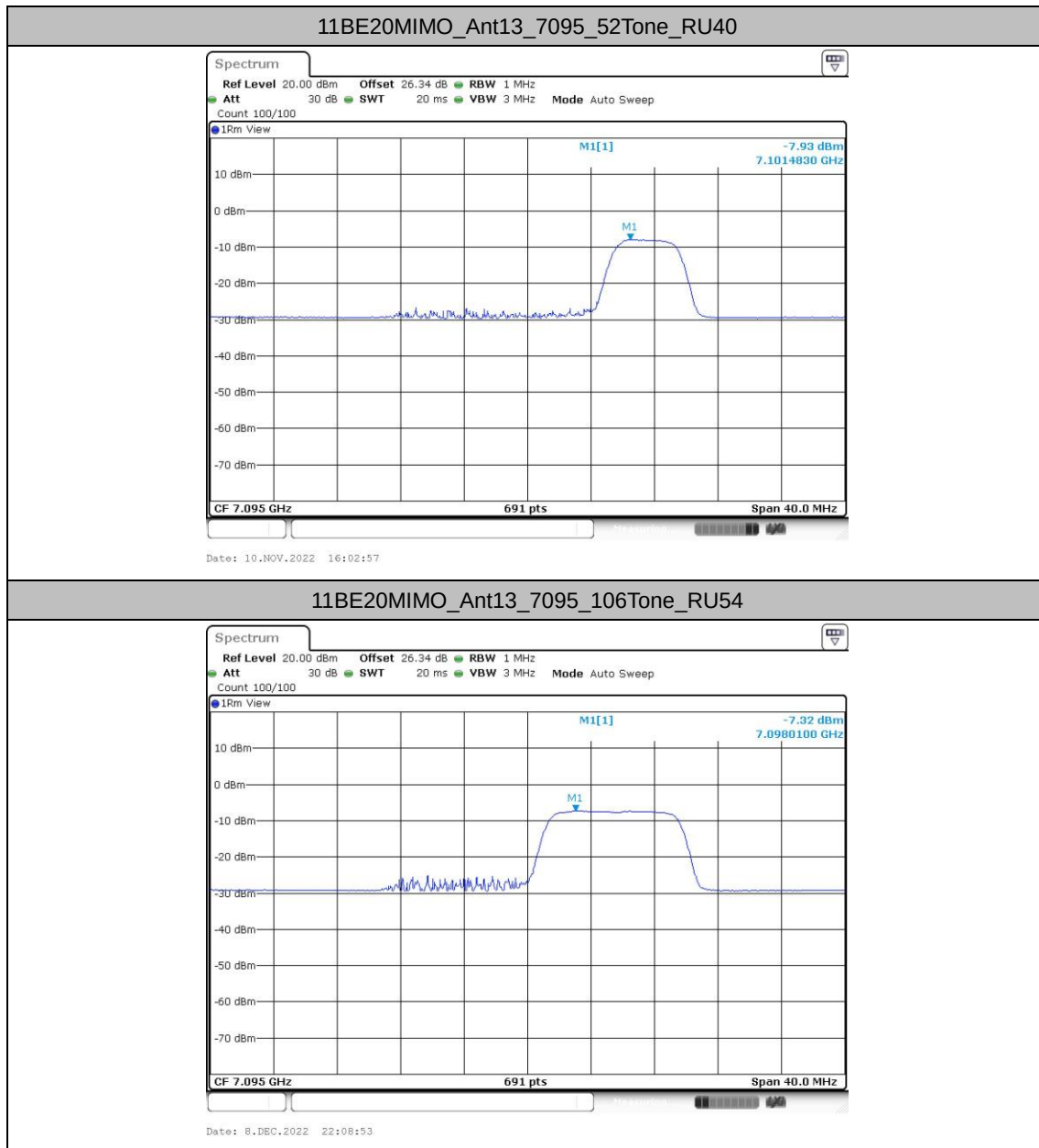


Date: 8.DEC.2022 22:08:44

11BE20MIMO_Ant13_7095_26Tone_RU8

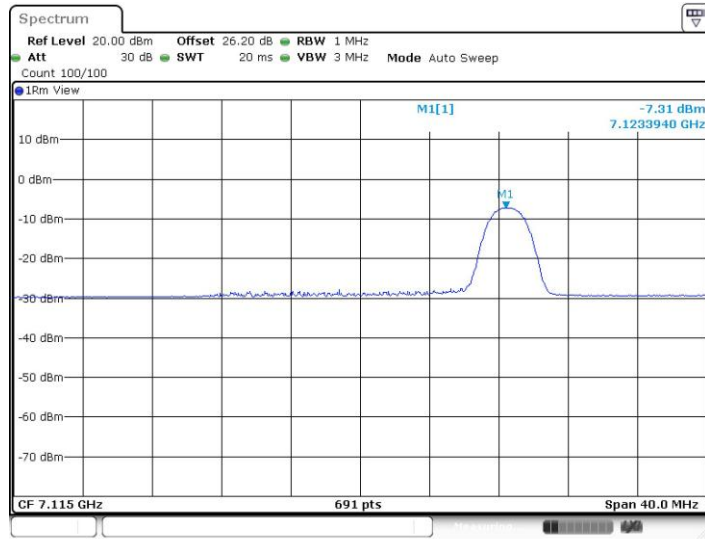


Date: 10.NOV.2022 16:01:58





11BE20MIMO_Ant10_7115_26Tone_RU8

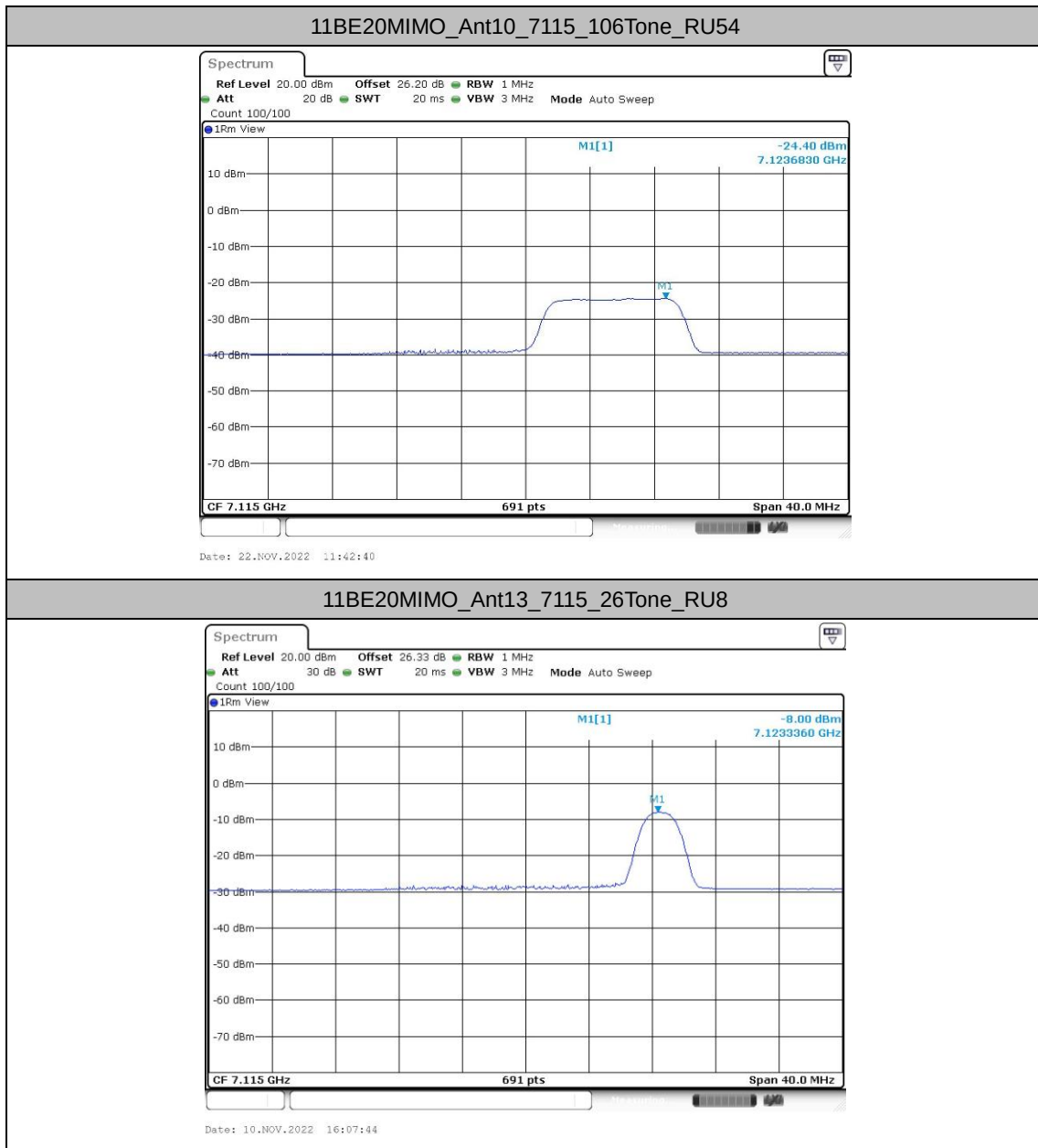


Date: 10.NOV.2022 16:07:35

11BE20MIMO_Ant10_7115_52Tone_RU40

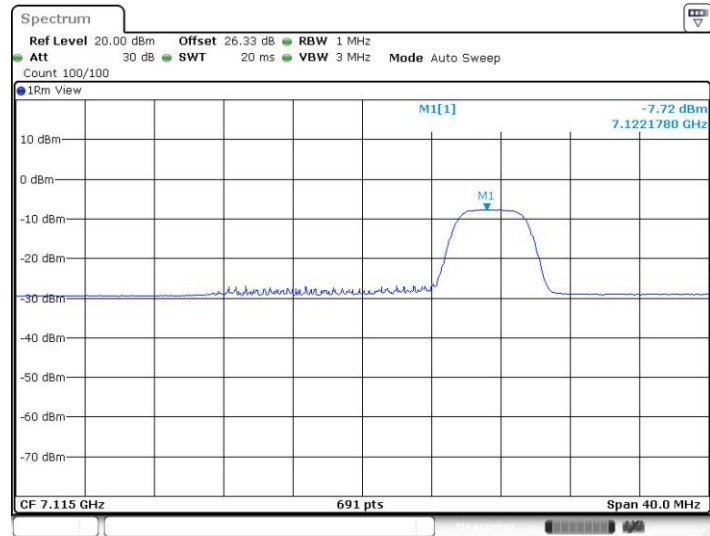


Date: 8.DEC.2022 22:11:11





11BE20MIMO_Ant13_7115_52Tone_RU40



Date: 8.DEC.2022 22:11:19

11BE20MIMO_Ant13_7115_106Tone_RU54



Date: 22.NOV.2022 11:42:56



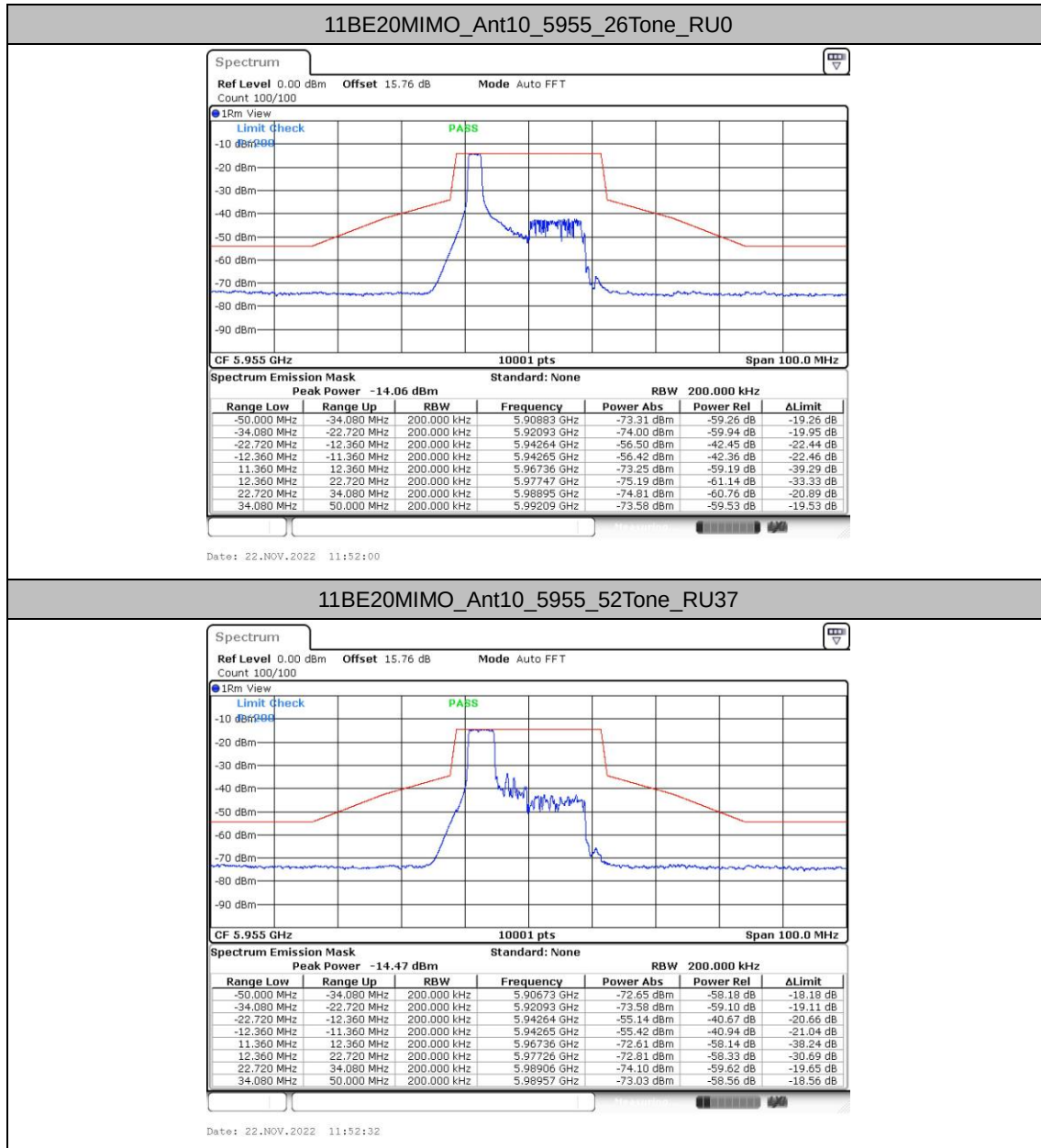
In-Band Emissions

Test Result

Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Result	Limit	Verdict
11BE20MIMO	Ant10	5955	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant13	5955	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant10	6435	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant13	6435	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant10	6535	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant13	6535	26Tone	RU0	See test graph	See test graph	PASS
			52Tone	RU37	See test graph	See test graph	PASS
			106Tone	RU53	See test graph	See test graph	PASS
	Ant10	7095	26Tone	RU8	See test graph	See test graph	PASS
			52Tone	RU40	See test graph	See test graph	PASS
			106Tone	RU54	See test graph	See test graph	PASS
	Ant13	7095	26Tone	RU8	See test graph	See test graph	PASS
			52Tone	RU40	See test graph	See test graph	PASS
			106Tone	RU54	See test graph	See test graph	PASS
	Ant10	7115	26Tone	RU8	See test graph	See test graph	PASS
			52Tone	RU40	See test graph	See test graph	PASS
			106Tone	RU54	See test graph	See test graph	PASS
	Ant13	7115	26Tone	RU8	See test graph	See test graph	PASS
			52Tone	RU40	See test graph	See test graph	PASS
			106Tone	RU54	See test graph	See test graph	PASS

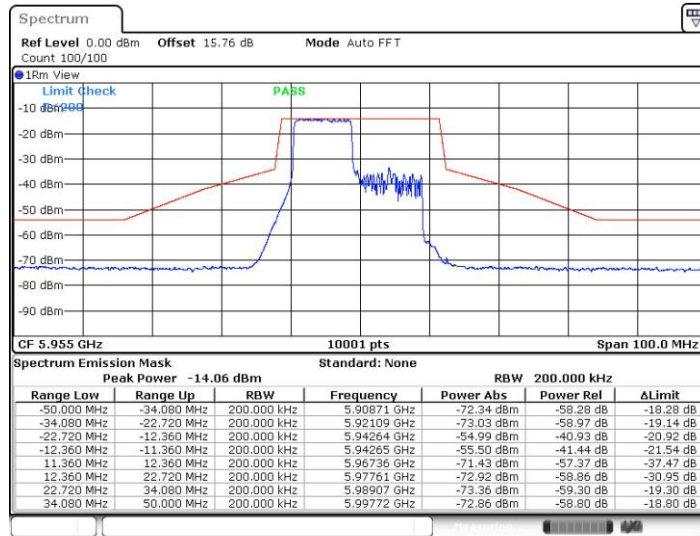


Test Graphs

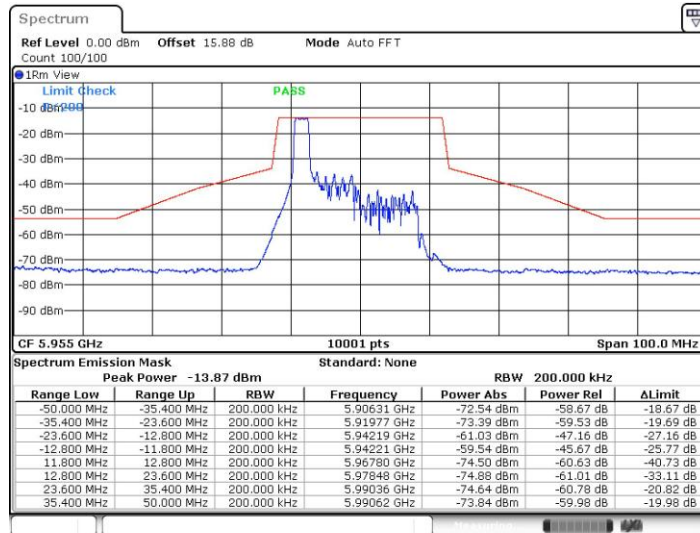




11BE20MIMO_Ant10_5955_106Tone_RU53

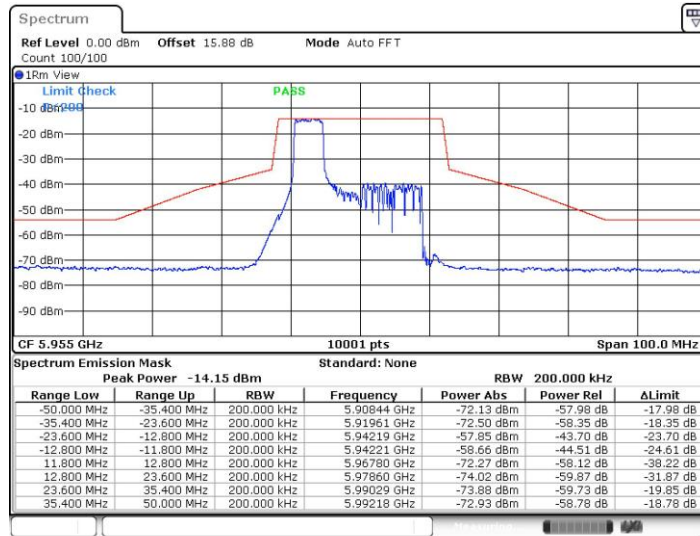


11BE20MIMO_Ant13_5955_26Tone_RU0





11BE20MIMO_Ant13_5955_52Tone_RU37



11BE20MIMO_Ant13_5955_106Tone_RU53

