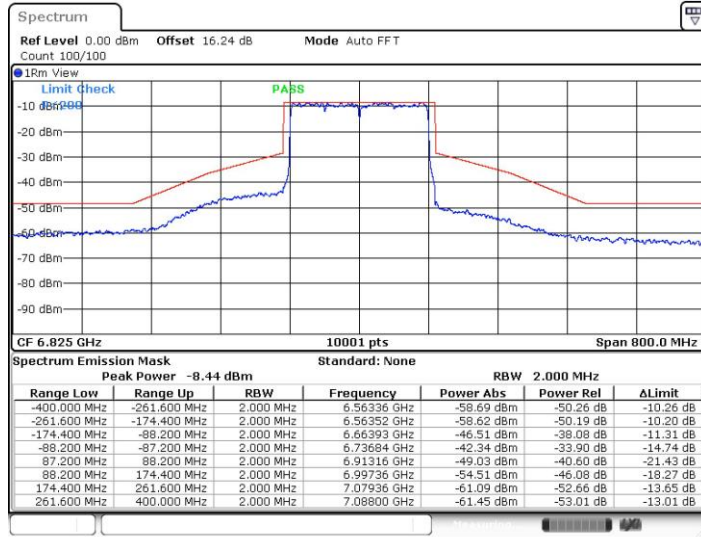


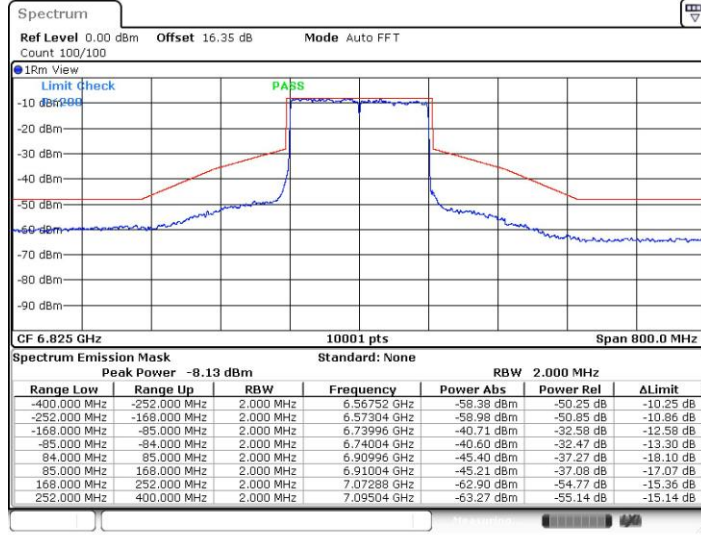


11BE160MIMO_Ant10_6825

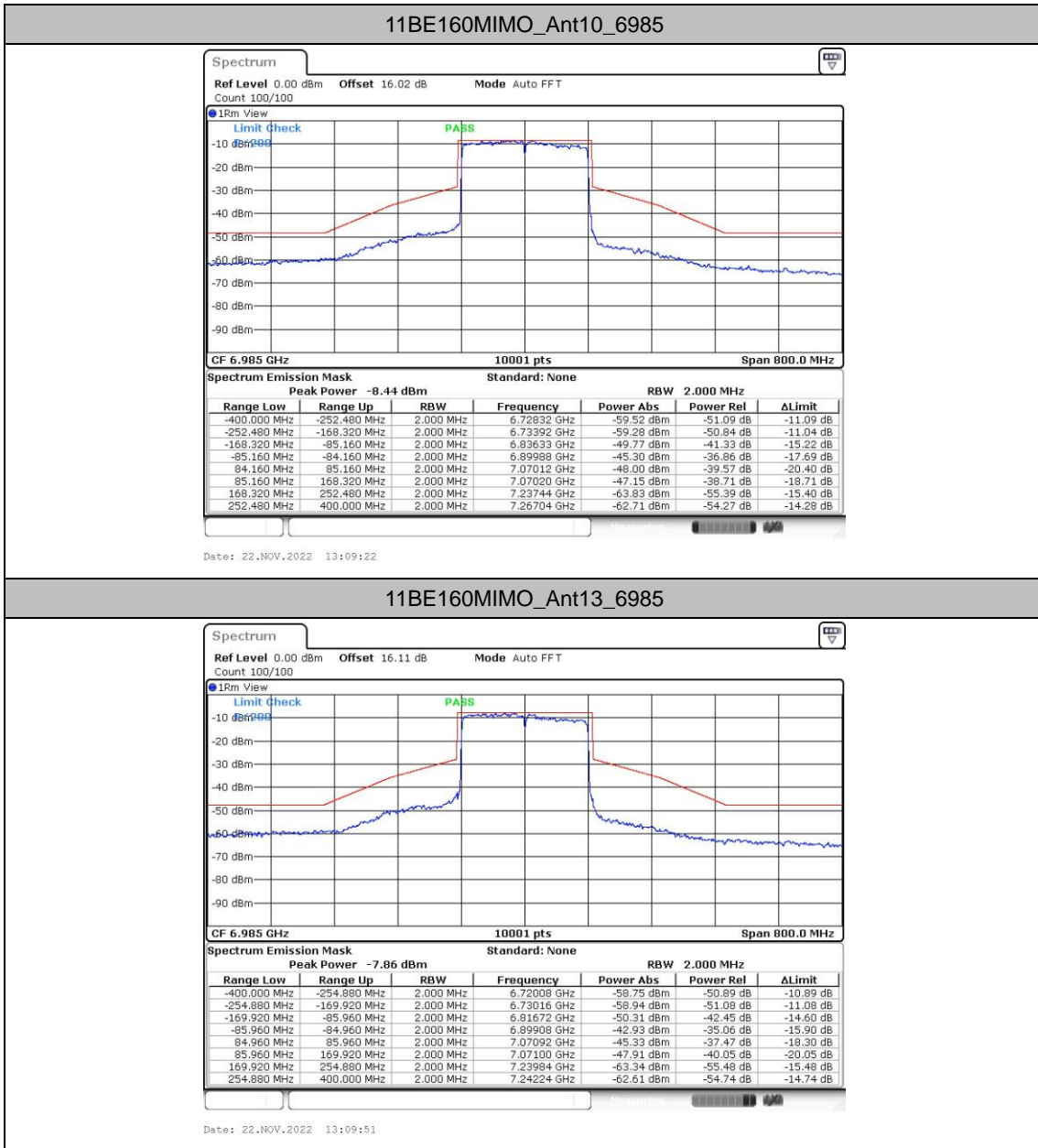


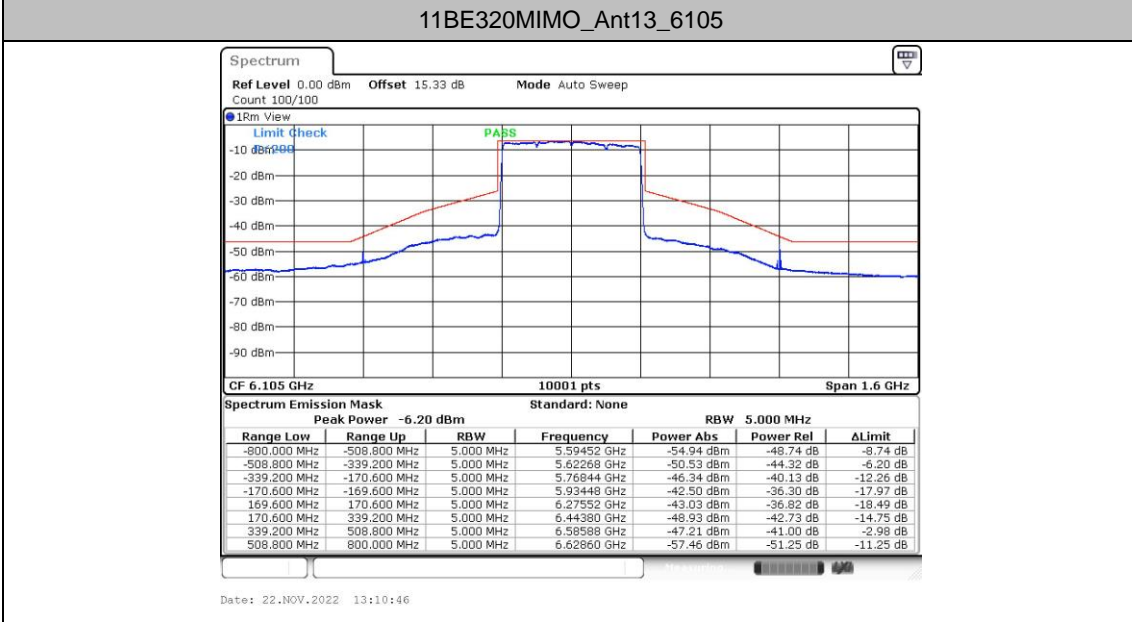
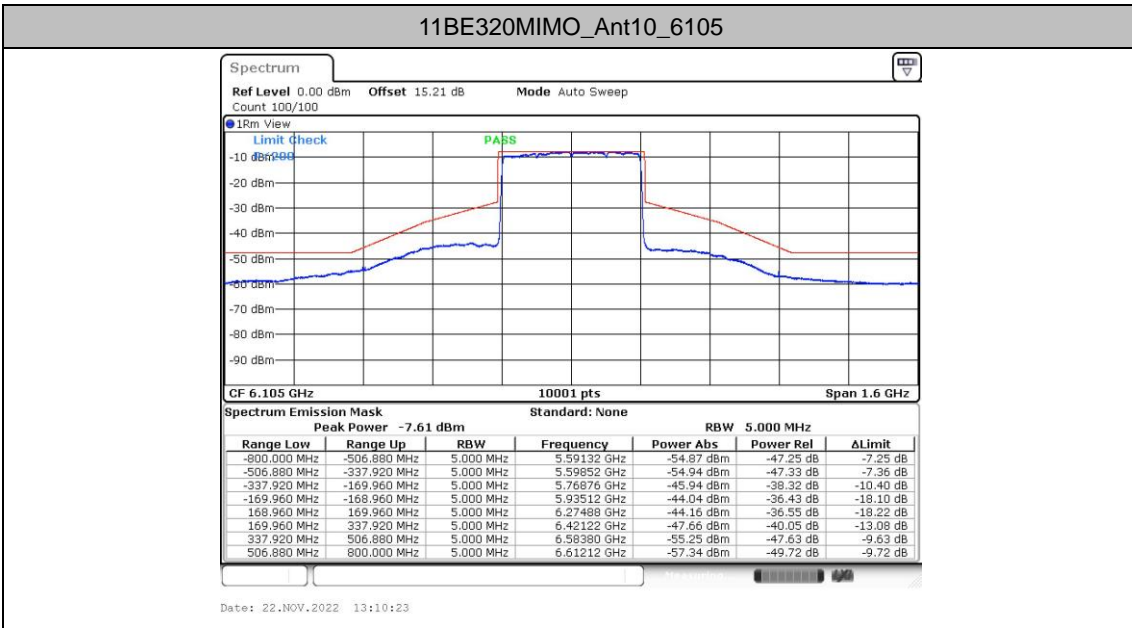
Date: 22.NOV.2022 13:08:25

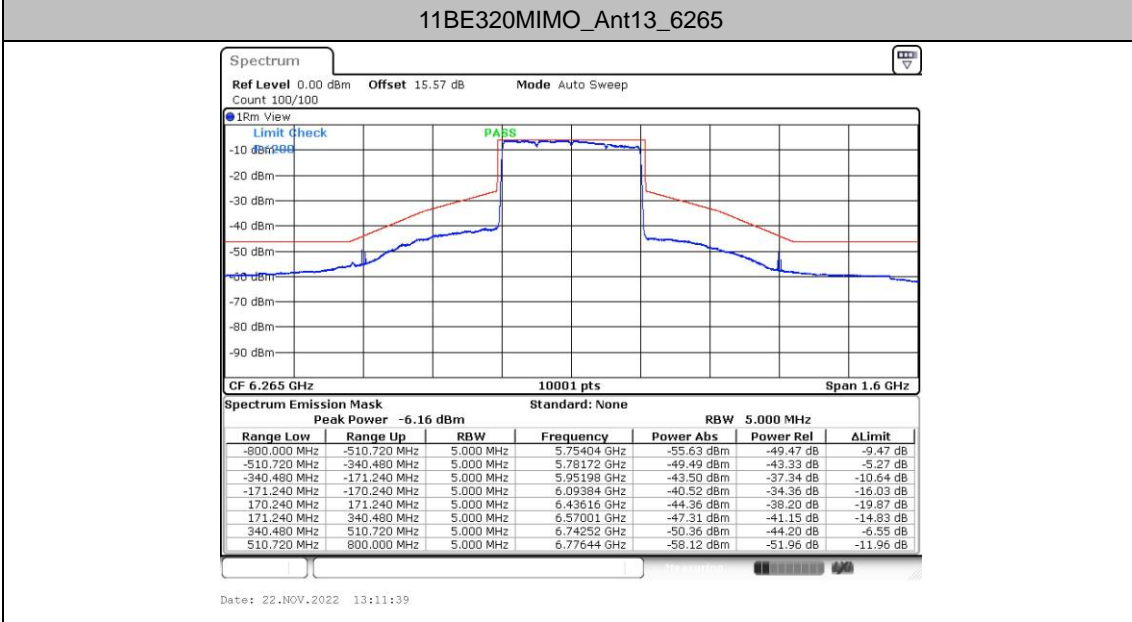
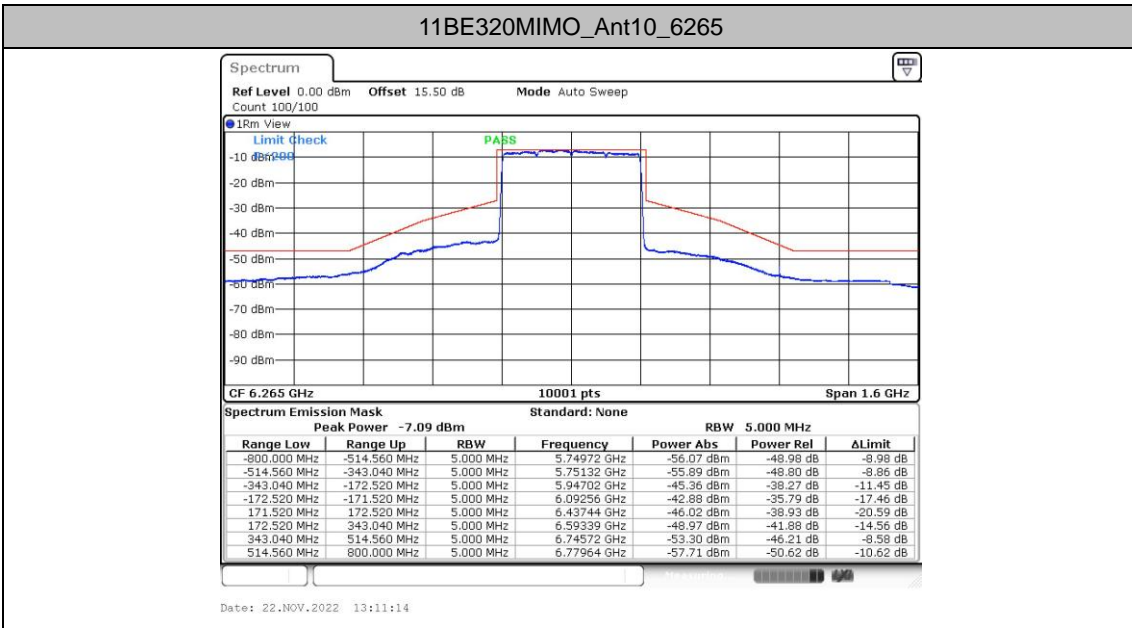
11BE160MIMO_Ant13_6825

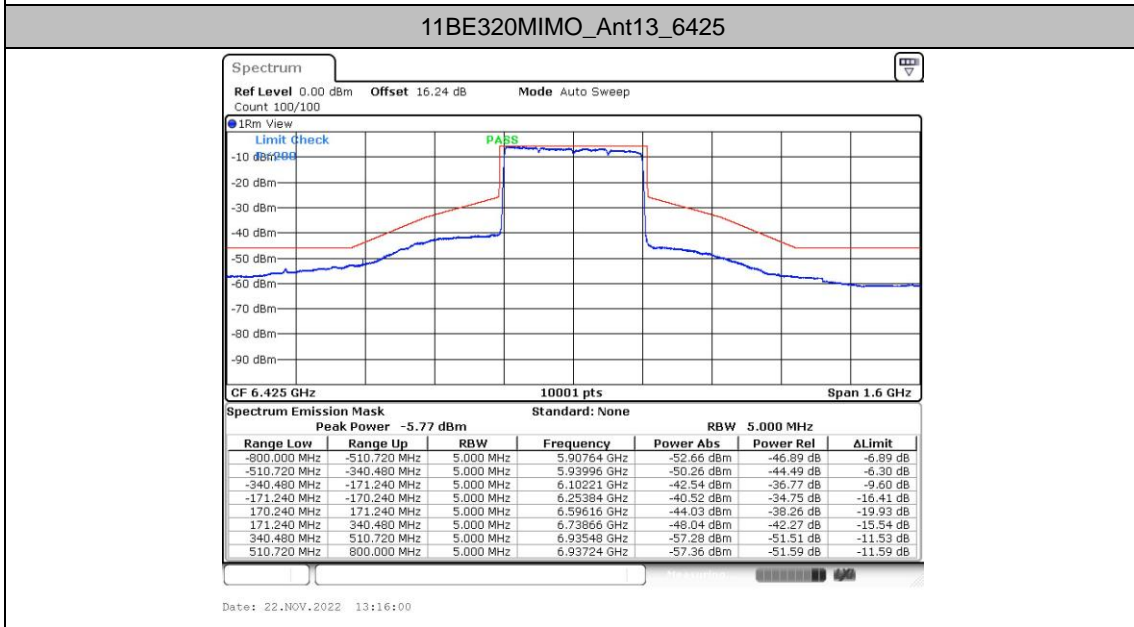
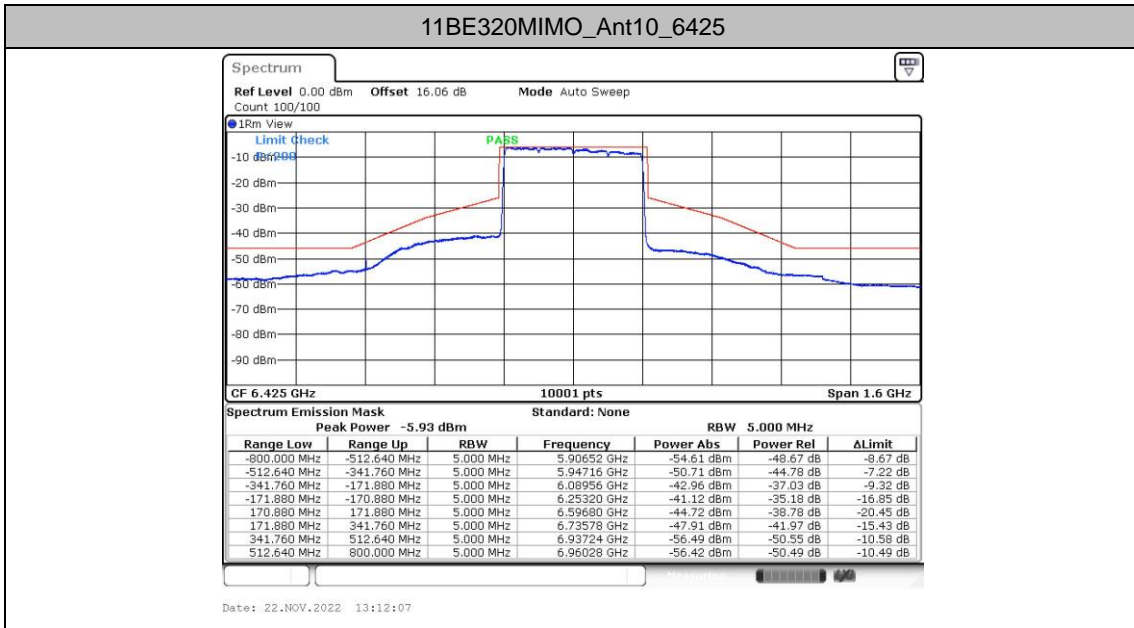


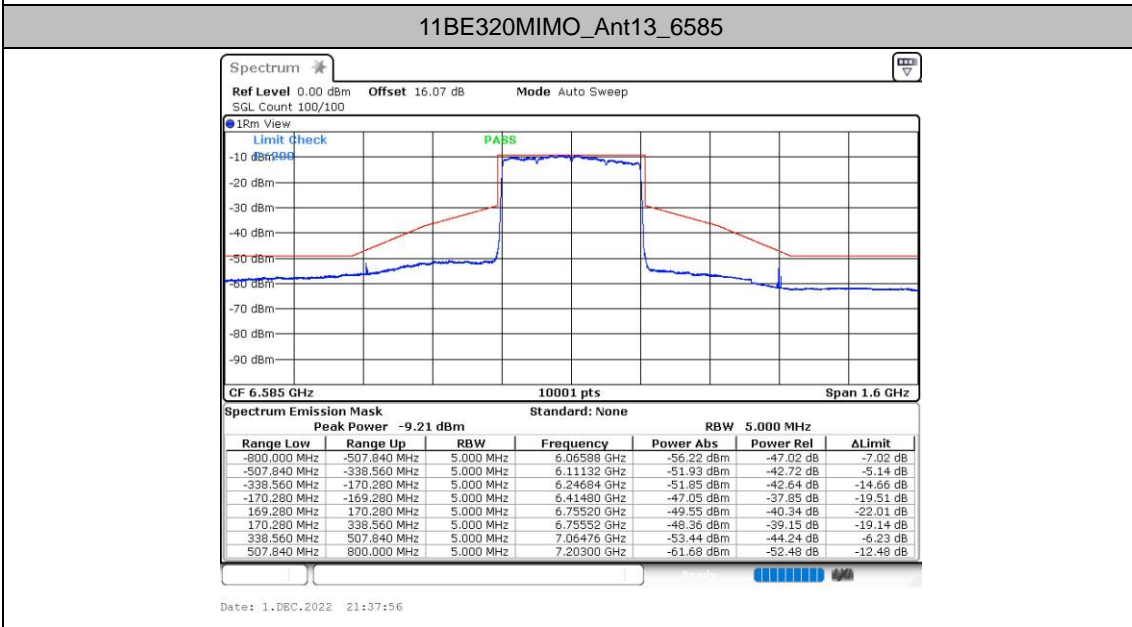
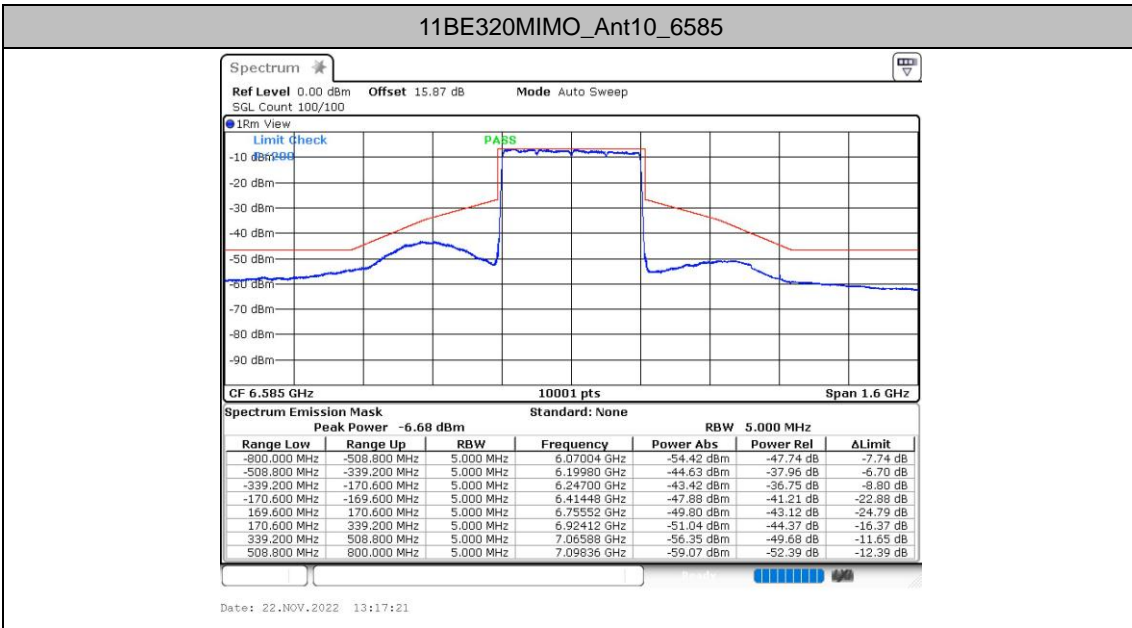
Date: 22.NOV.2022 13:08:47

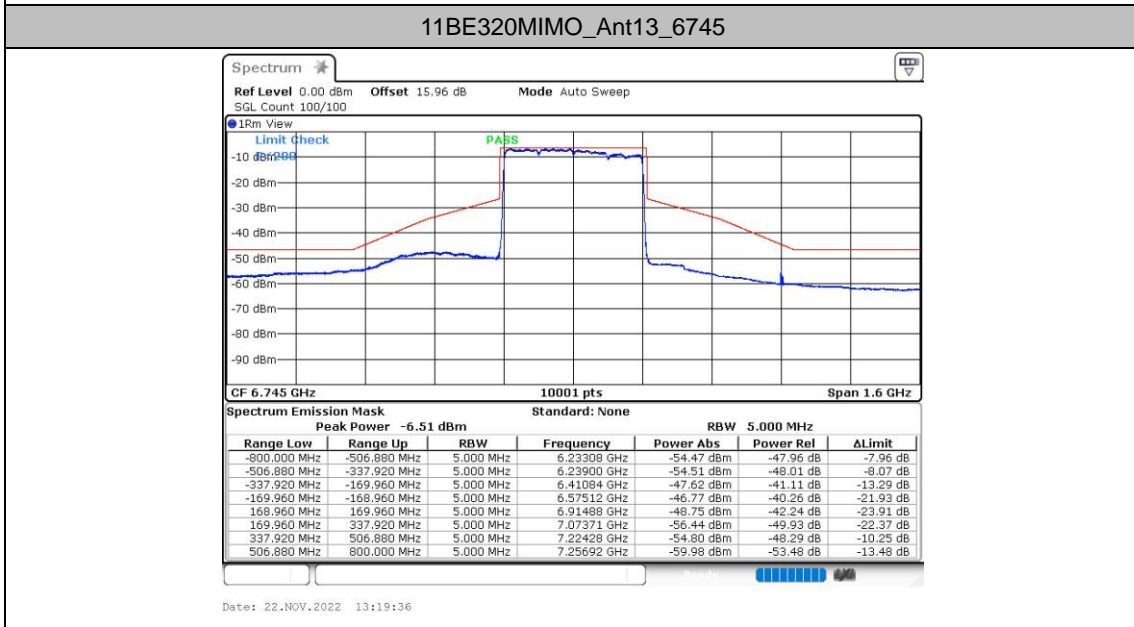
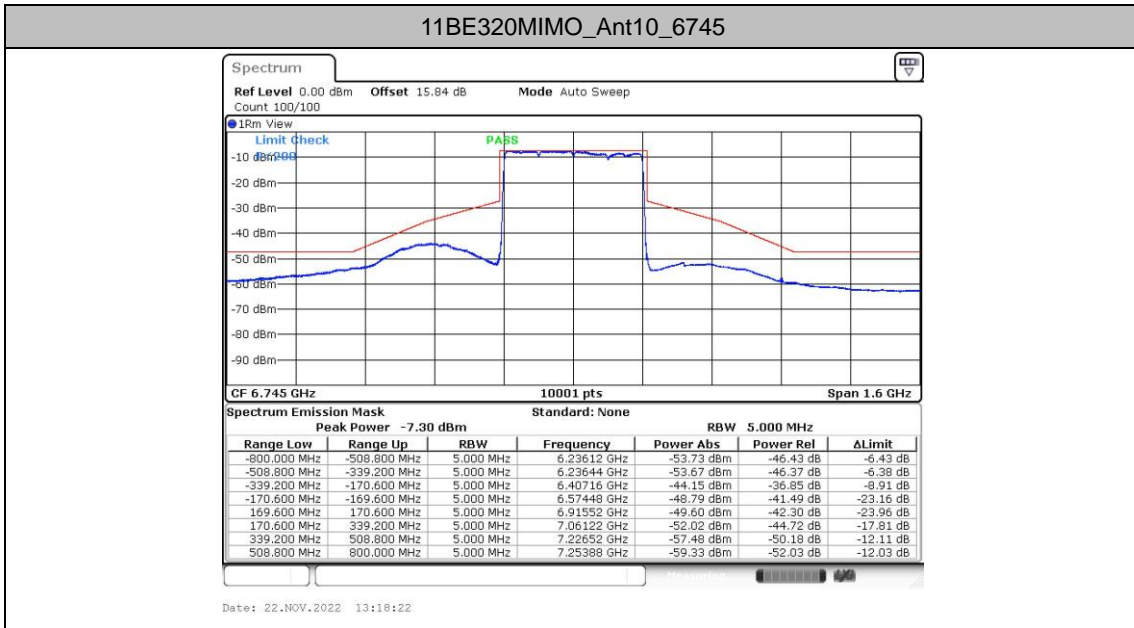


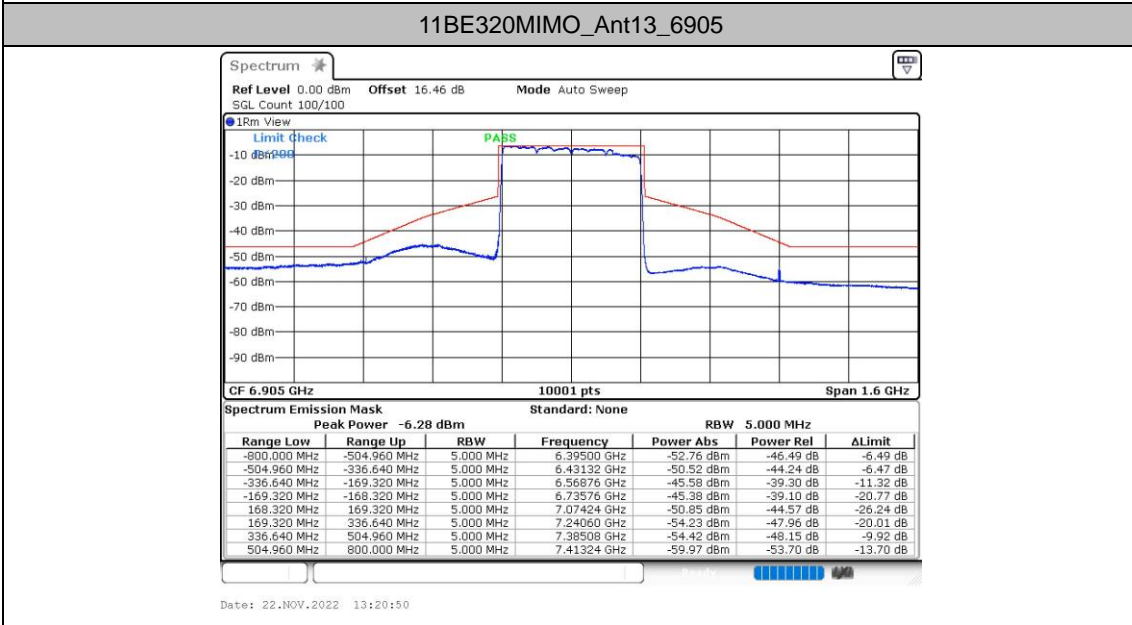
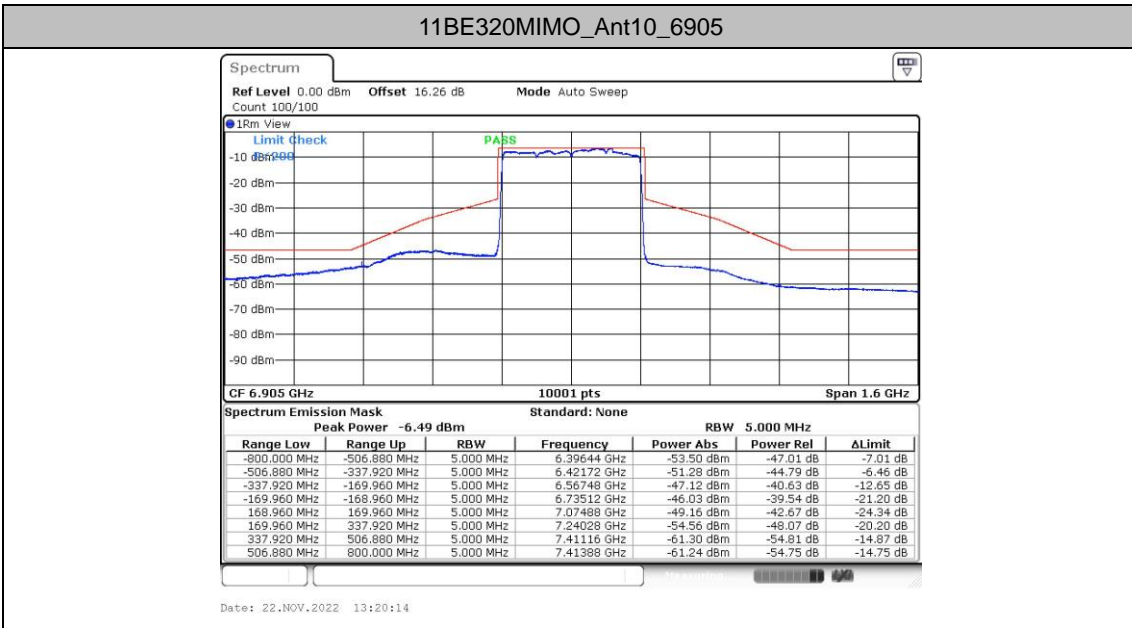














Single RU

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

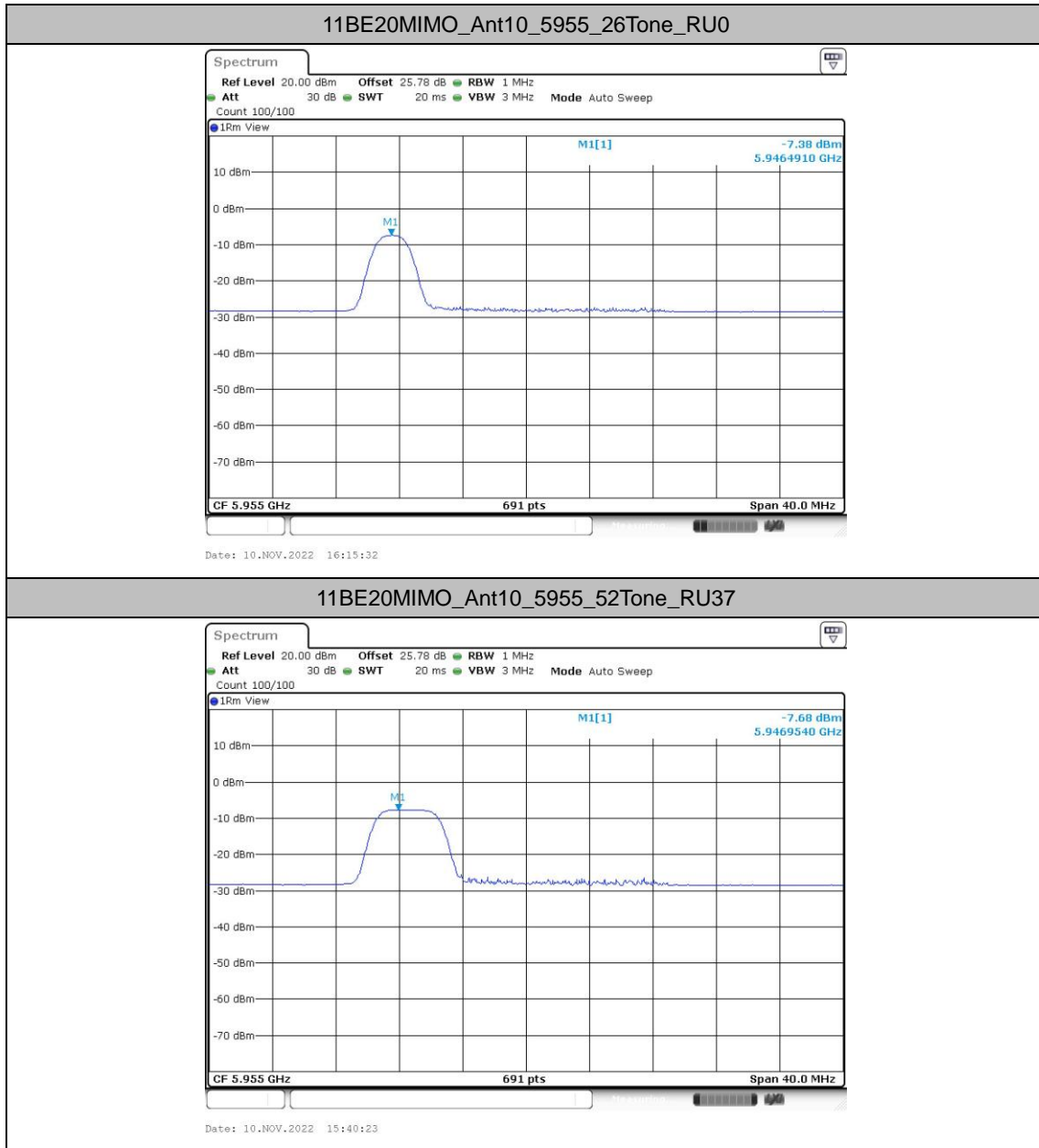
Test Result

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.

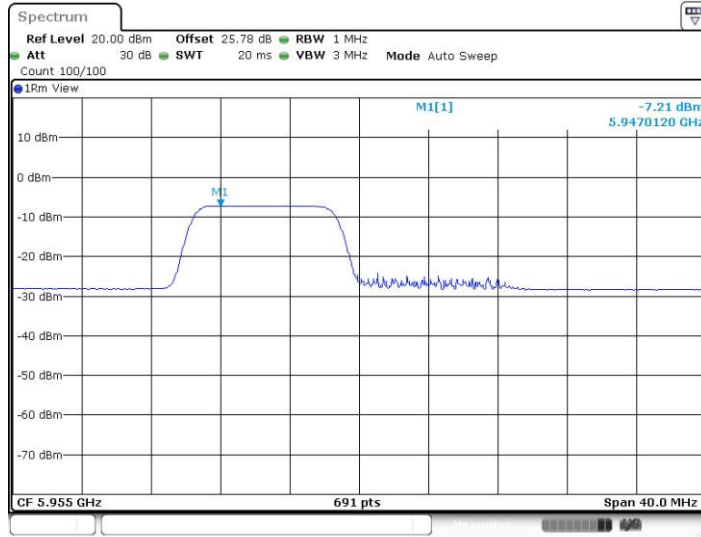


Test Graphs

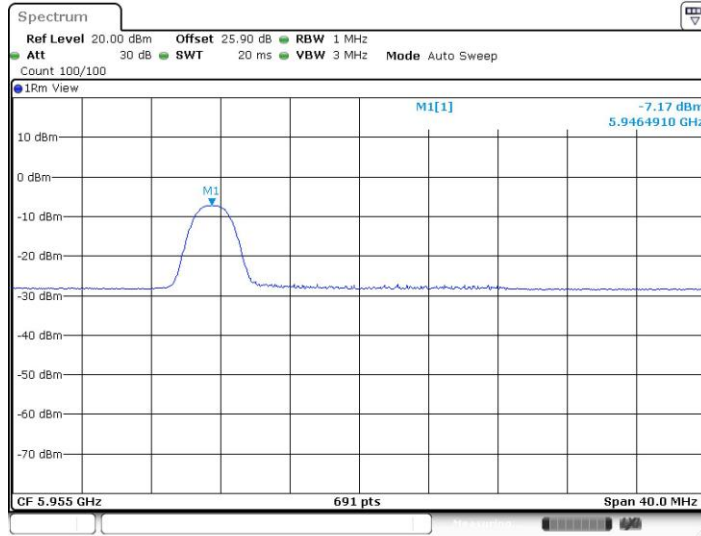




11BE20MIMO_Ant10_5955_106Tone_RU53

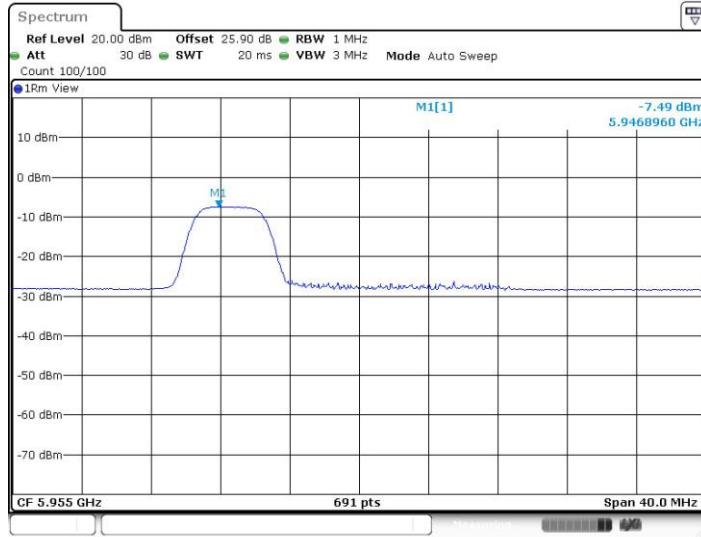


11BE20MIMO_Ant13_5955_26Tone_RU0



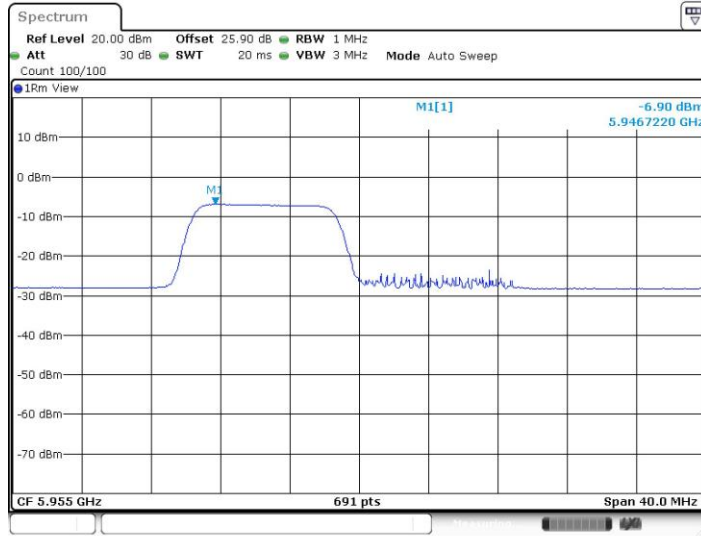


11BE20MIMO_Ant13_5955_52Tone_RU37



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

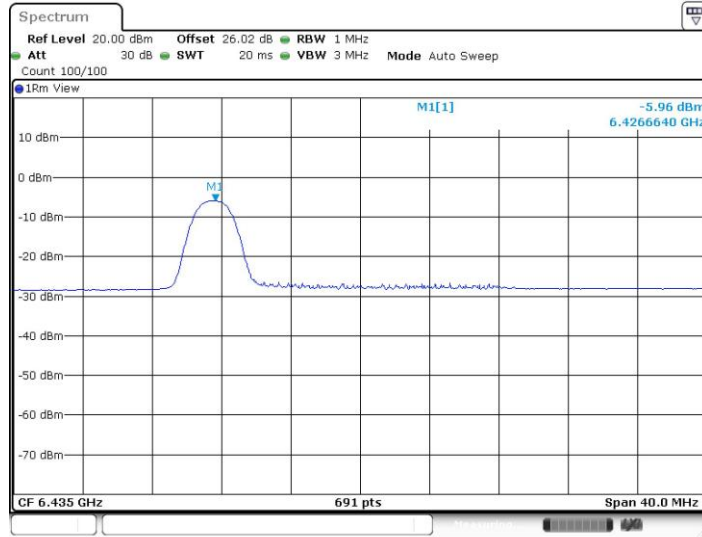
11BE20MIMO_Ant13_5955_106Tone_RU53



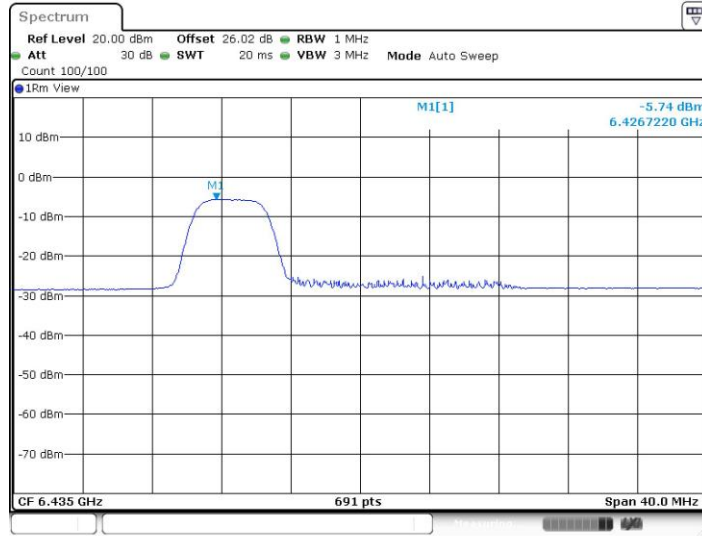
Date: 8.DEC.2022 22:00:09



11BE20MIMO_Ant10_6435_26Tone_RU0

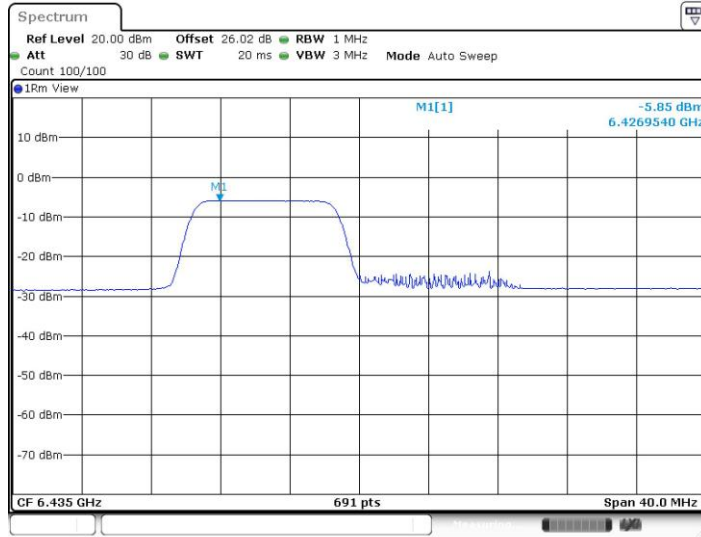


11BE20MIMO_Ant10_6435_52Tone_RU37



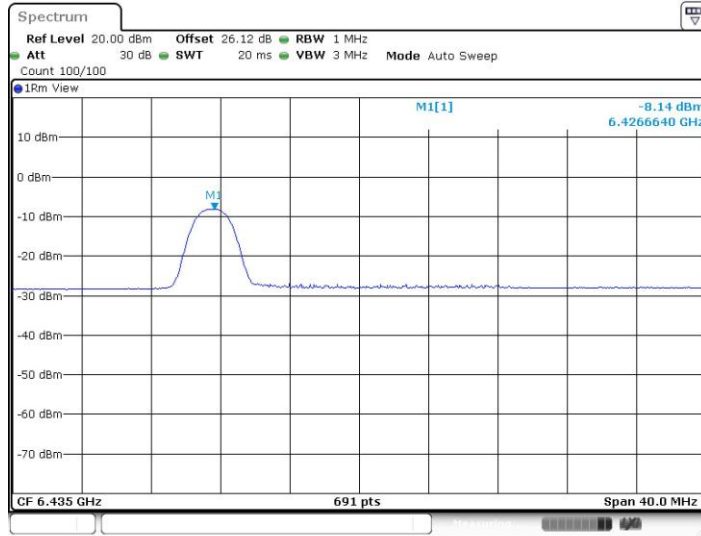


11BE20MIMO_Ant10_6435_106Tone_RU53



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

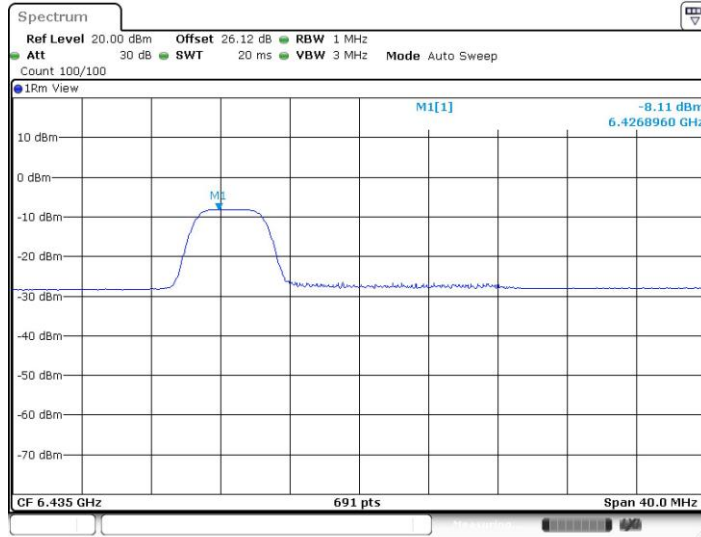
11BE20MIMO_Ant13_6435_26Tone_RU0



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

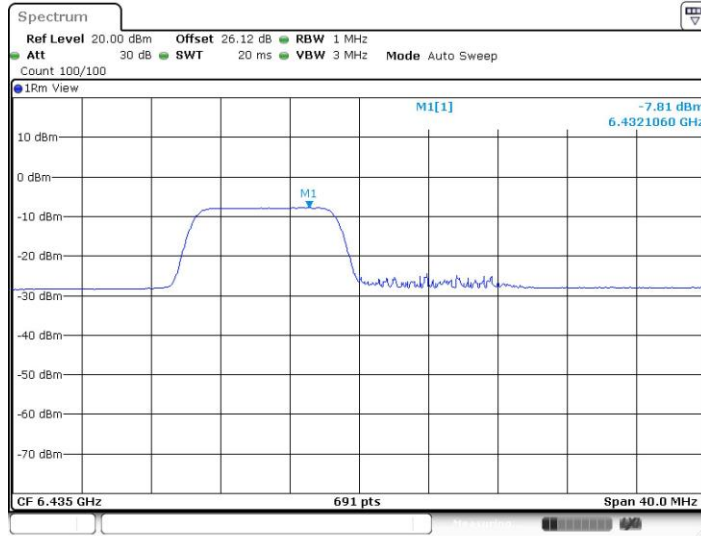


11BE20MIMO_Ant13_6435_52Tone_RU37



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

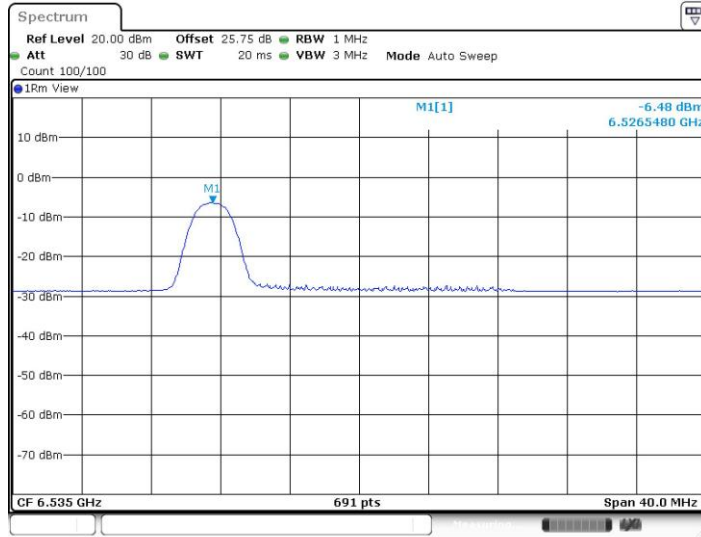
11BE20MIMO_Ant13_6435_106Tone_RU53



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

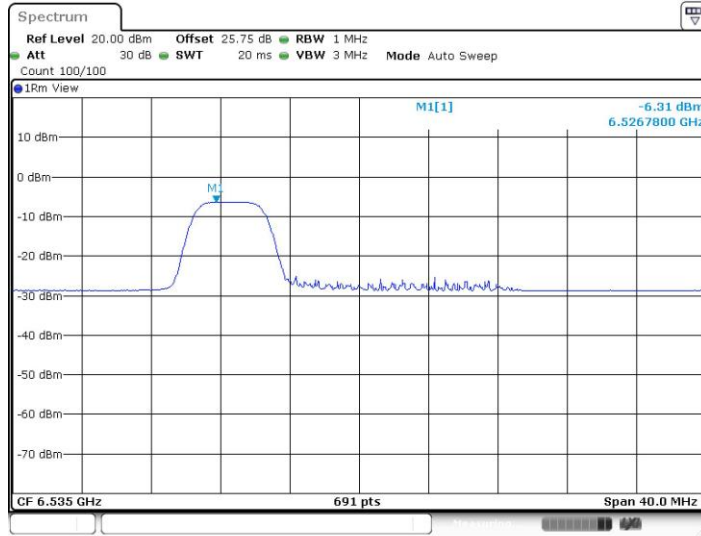


11BE20MIMO_Ant10_6535_26Tone_RU0



Date: 10.NOV.2022 15:52:42

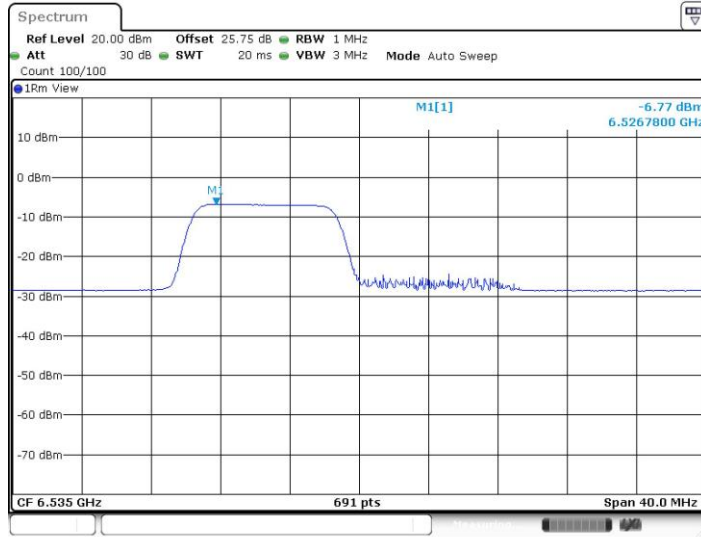
11BE20MIMO_Ant10_6535_52Tone_RU37



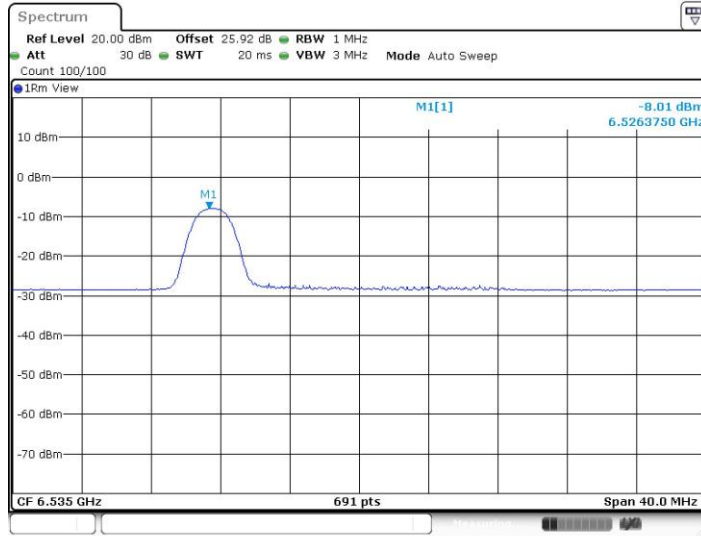
Date: 10.NOV.2022 15:57:05



11BE20MIMO_Ant10_6535_106Tone_RU53

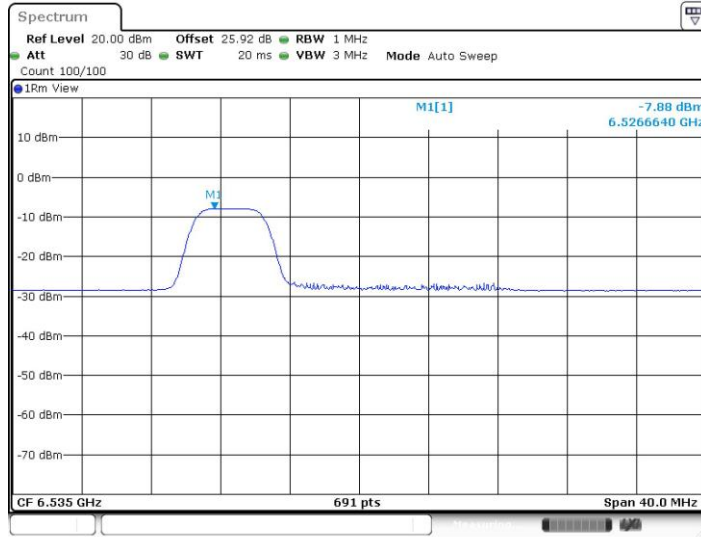


11BE20MIMO_Ant13_6535_26Tone_RU0



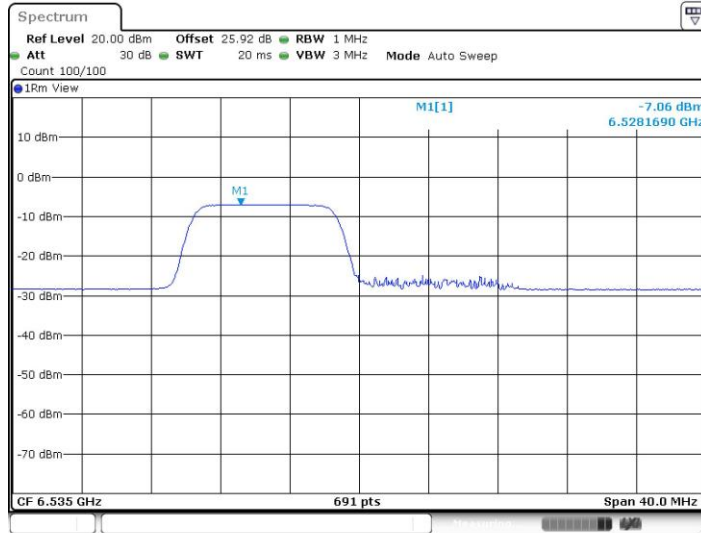


11BE20MIMO_Ant13_6535_52Tone_RU37



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

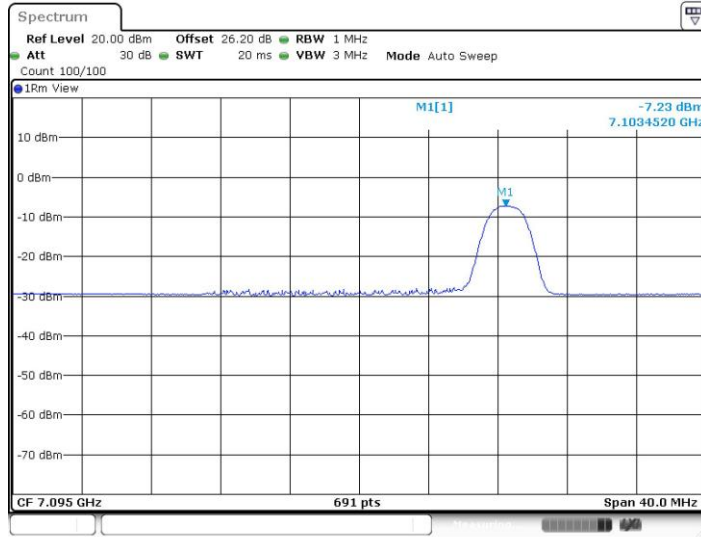
11BE20MIMO_Ant13_6535_106Tone_RU53



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

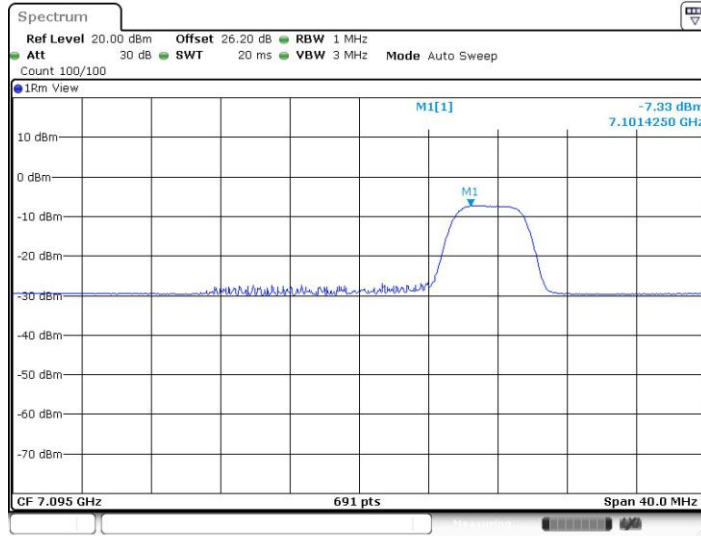


11BE20MIMO_Ant10_7095_26Tone_RU8



Date: 10.NOV.2022 16:01:50

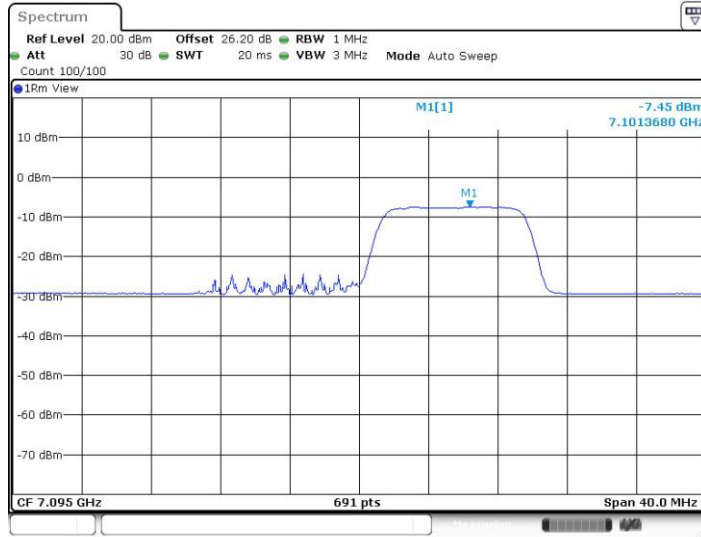
11BE20MIMO_Ant10_7095_52Tone_RU40



Date: 10.NOV.2022 16:02:49

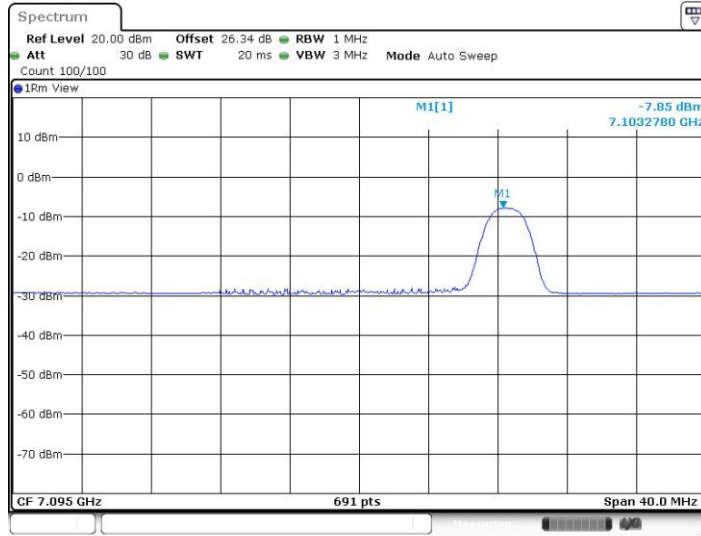


11BE20MIMO_Ant10_7095_106Tone_RU54



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

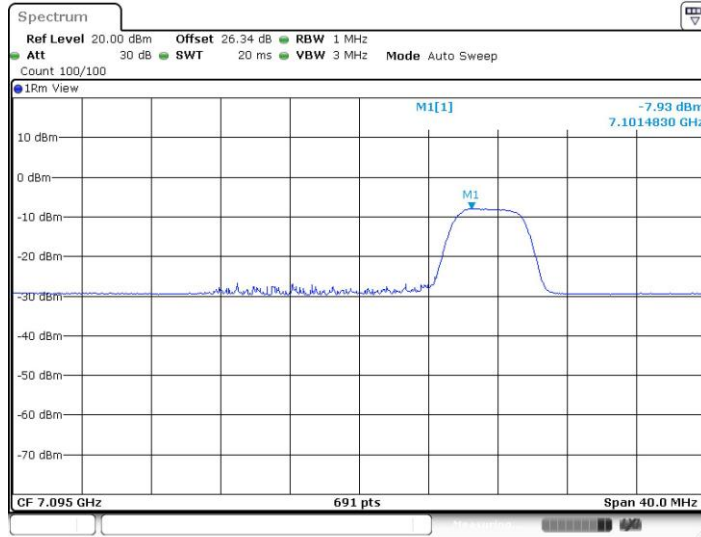
11BE20MIMO_Ant13_7095_26Tone_RU8



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

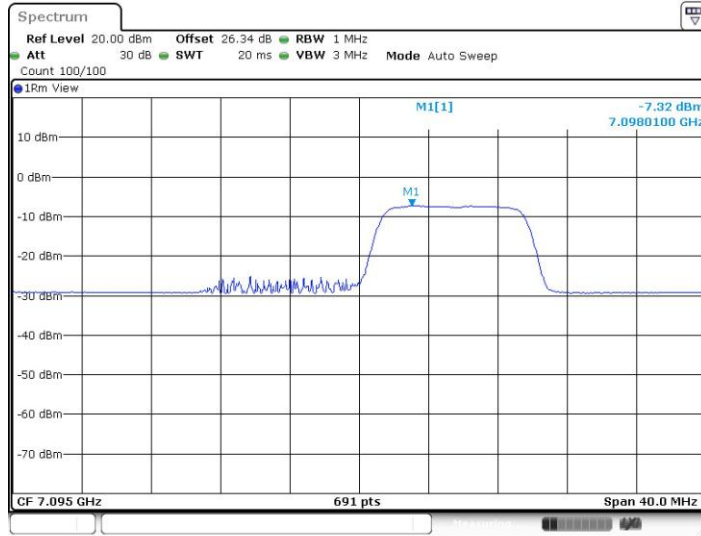


11BE20MIMO_Ant13_7095_52Tone_RU40



Date: 10.NOV.2022 16:02:57

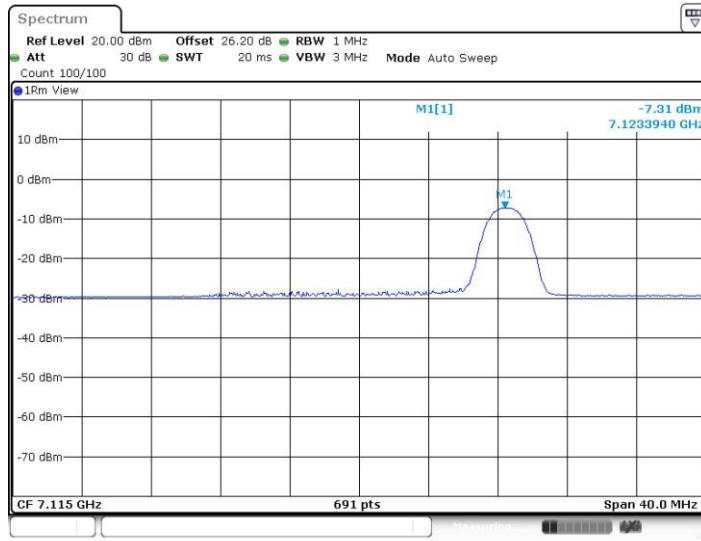
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Date: 8.DEC.2022 22:08:53

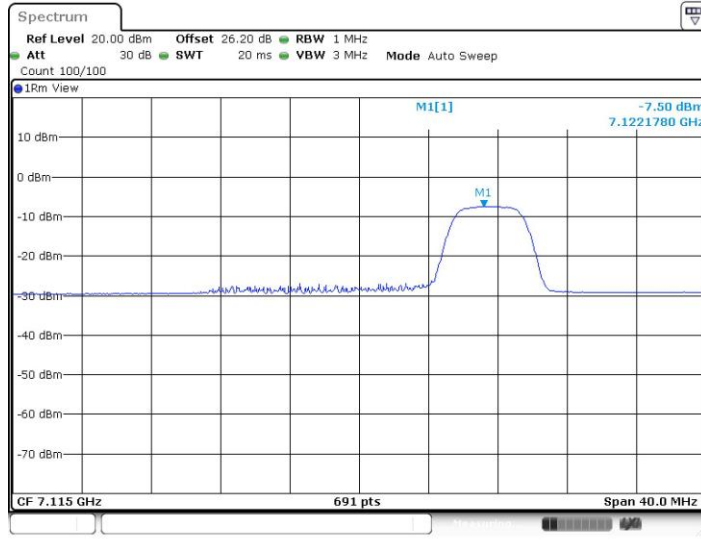


11BE20MIMO_Ant10_7115_26Tone_RU8



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

11BE20MIMO_Ant10_7115_52Tone_RU40



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

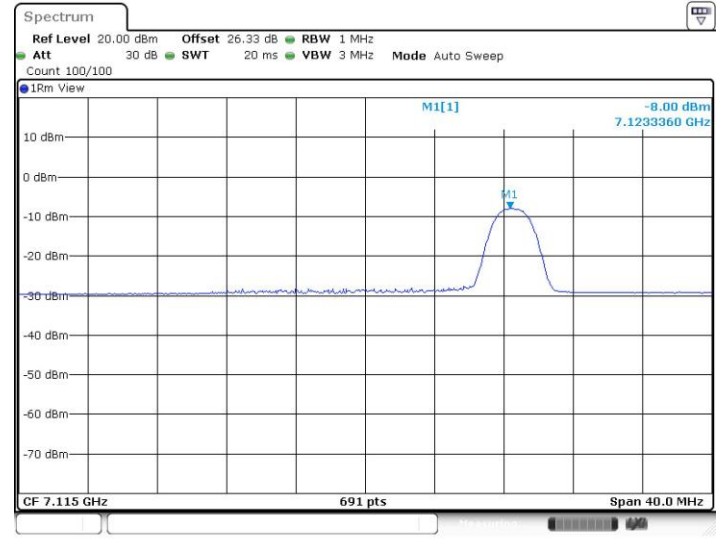


11BE20MIMO_Ant10_7115_106Tone_RU54



Date: 22.NOV.2022 11:42:40

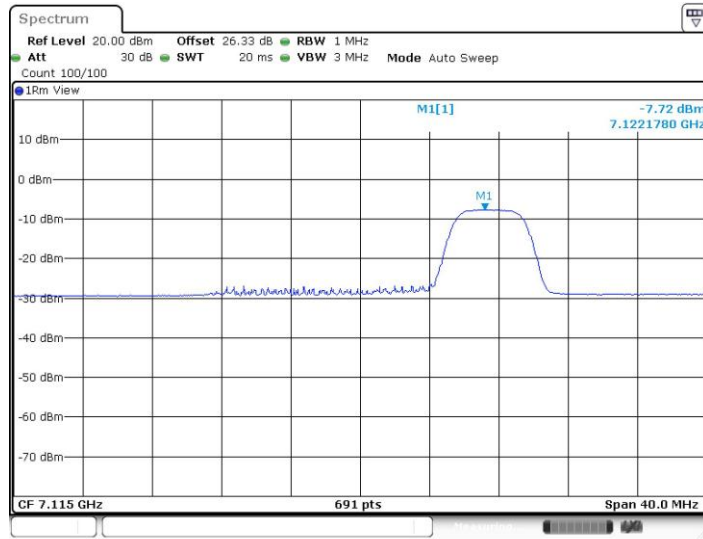
11BE20MIMO_Ant13_7115_26Tone_RU8



Date: 10.NOV.2022 16:07:44



11BE20MIMO_Ant13_7115_52Tone_RU40



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

11BE20MIMO_Ant13_7115_106Tone_RU54



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



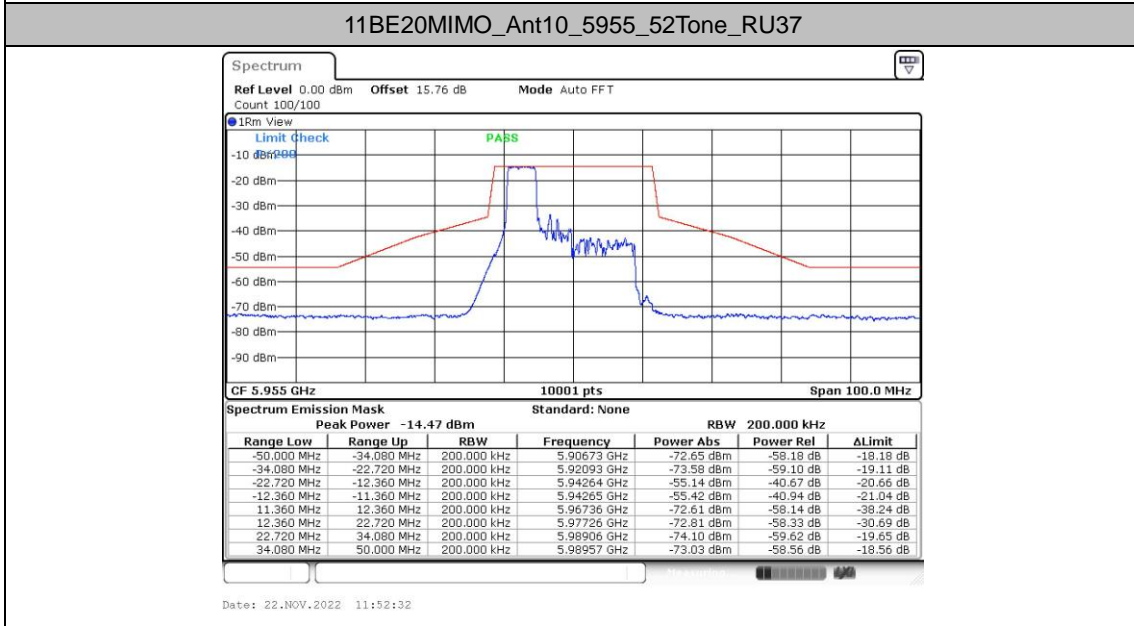
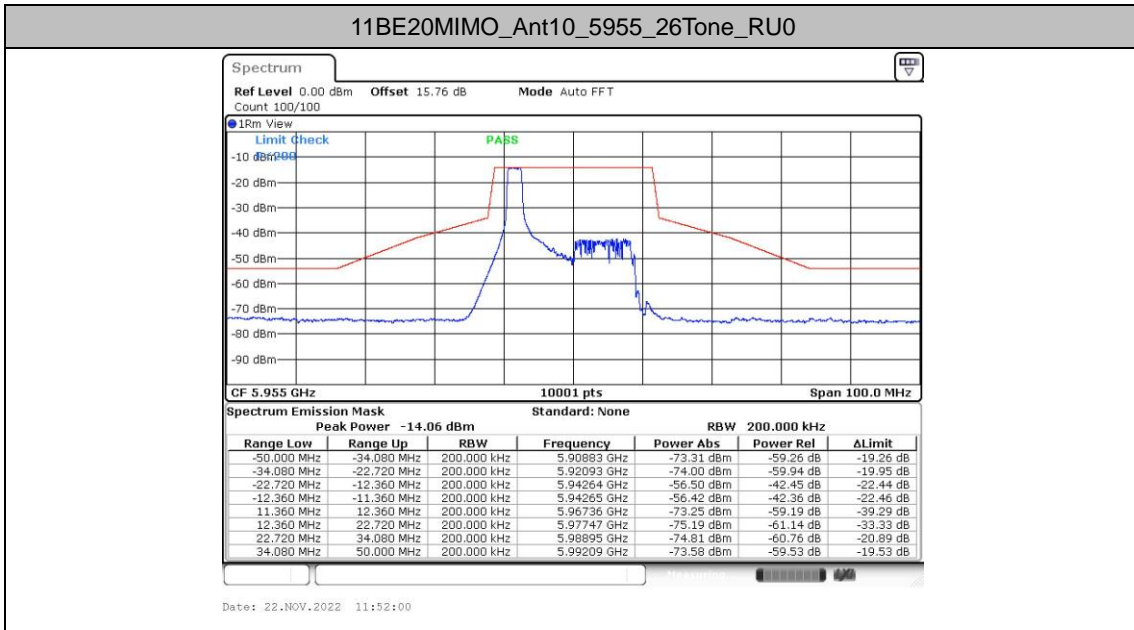
In-Band Emissions

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	

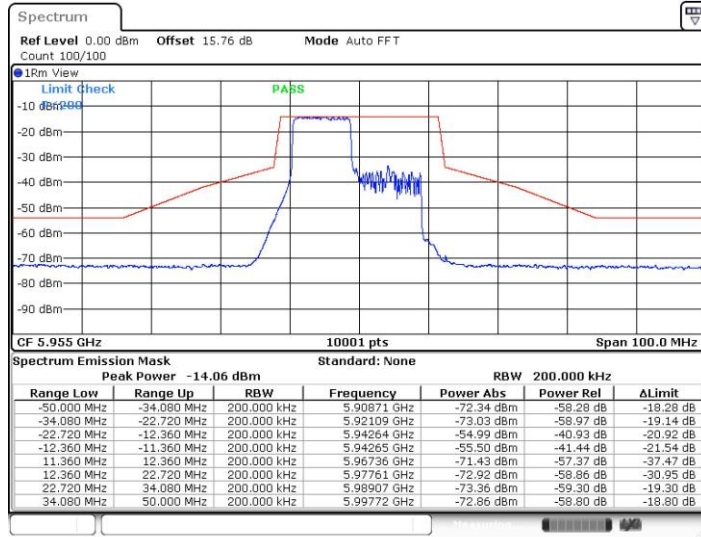


Test Graphs



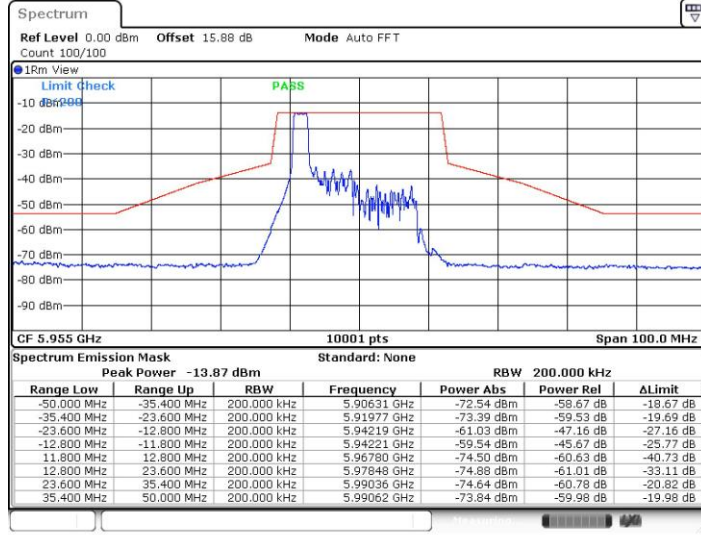


11BE20MIMO_Ant10_5955_106Tone_RU53



Date: 22.NOV.2022 11:53:04

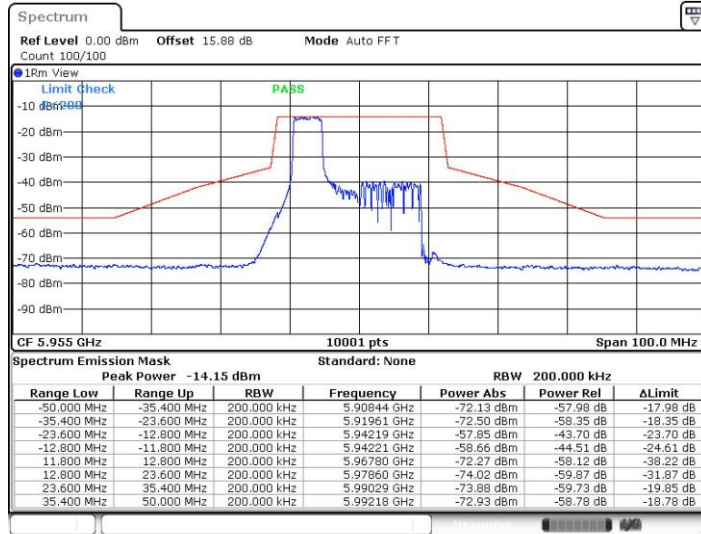
11BE20MIMO_Ant13_5955_26Tone_RU0



Date: 22.NOV.2022 11:52:09

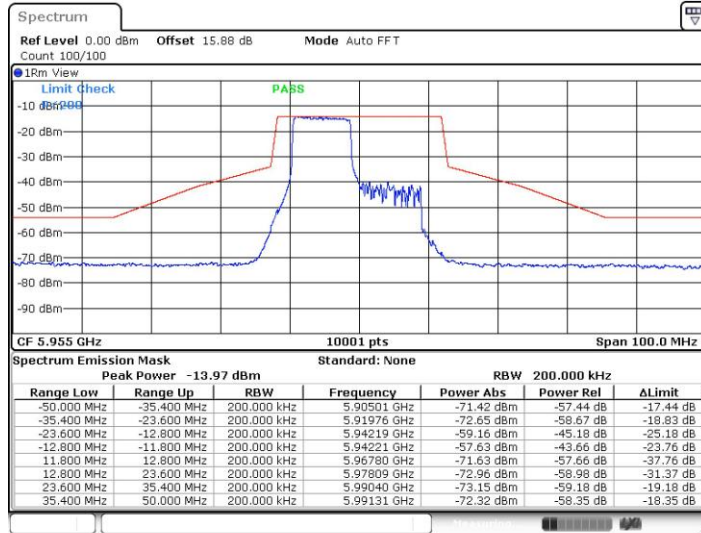


11BE20MIMO_Ant13_5955_52Tone_RU37



Date: 22.NOV.2022 11:52:44

11BE20MIMO_Ant13_5955_106Tone_RU53



Date: 22.NOV.2022 11:53:15