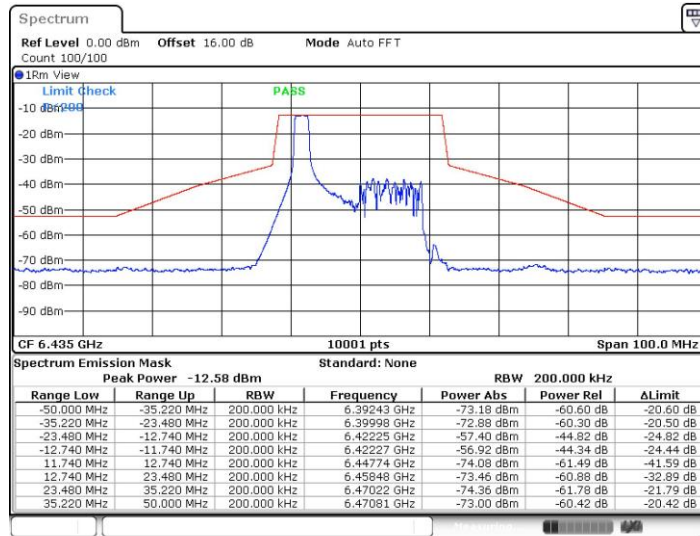
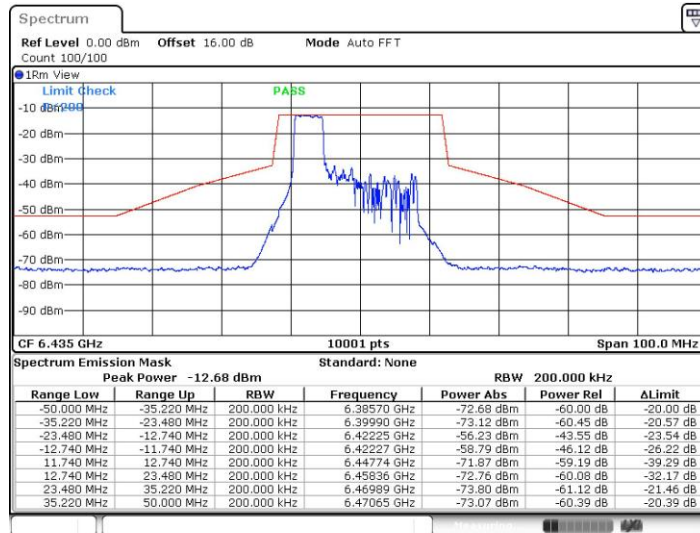




11BE20MIMO_Ant10_6435_26Tone_RU0

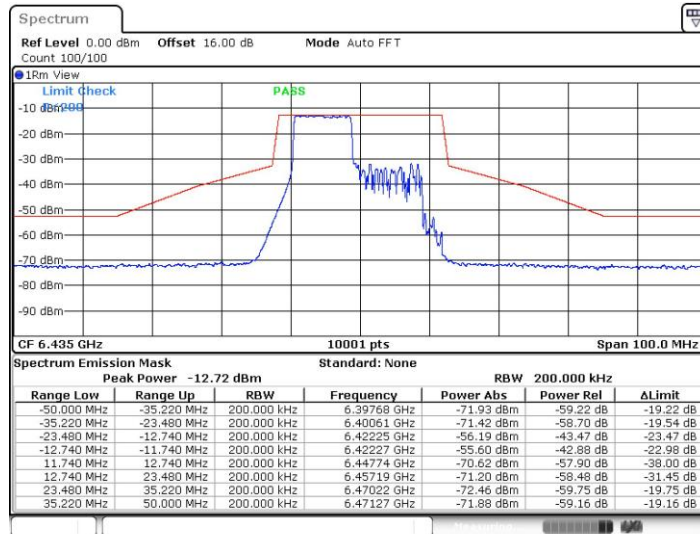


11BE20MIMO_Ant10_6435_52Tone_RU37



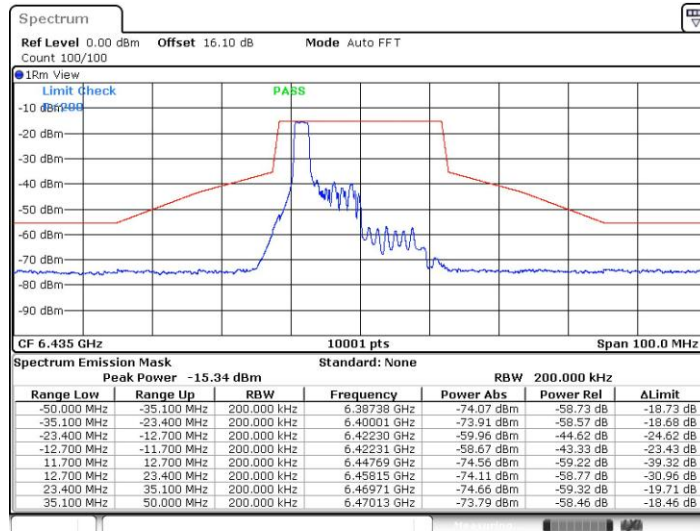


11BE20MIMO_Ant10_6435_106Tone_RU53



Date: 22.NOV.2022 11:54:48

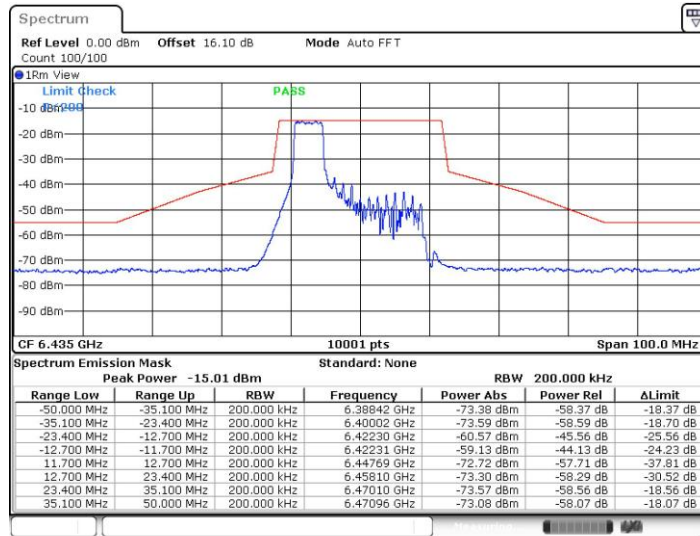
11BE20MIMO_Ant13_6435_26Tone_RU0



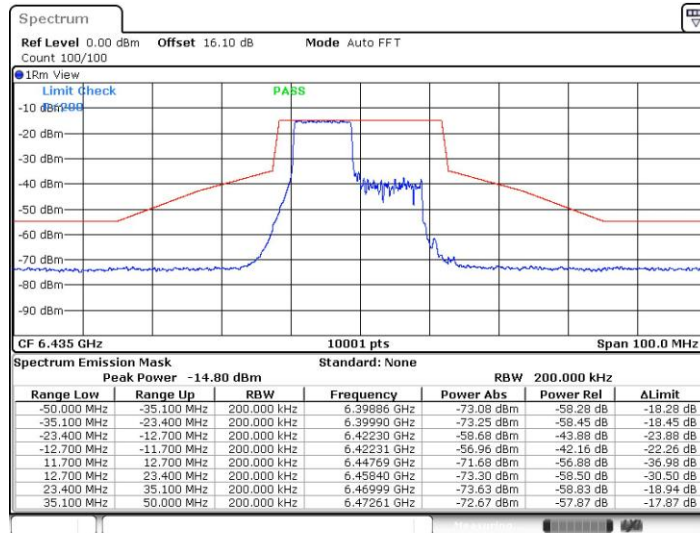
Date: 22.NOV.2022 11:53:57



11BE20MIMO_Ant13_6435_52Tone_RU37

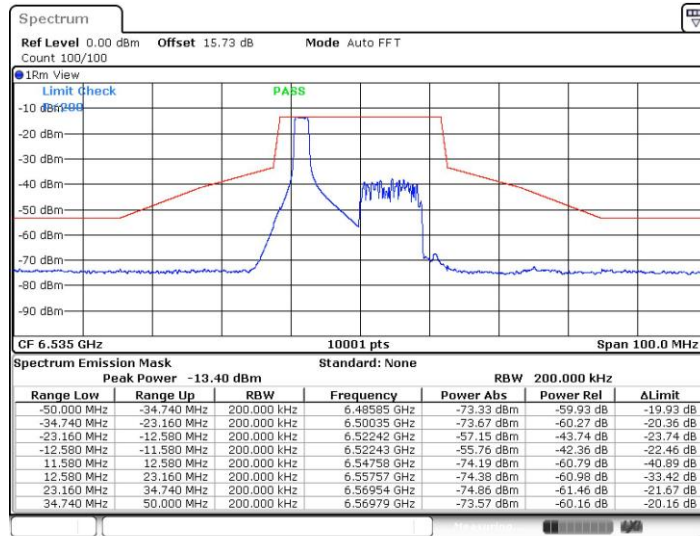


11BE20MIMO_Ant13_6435_106Tone_RU53

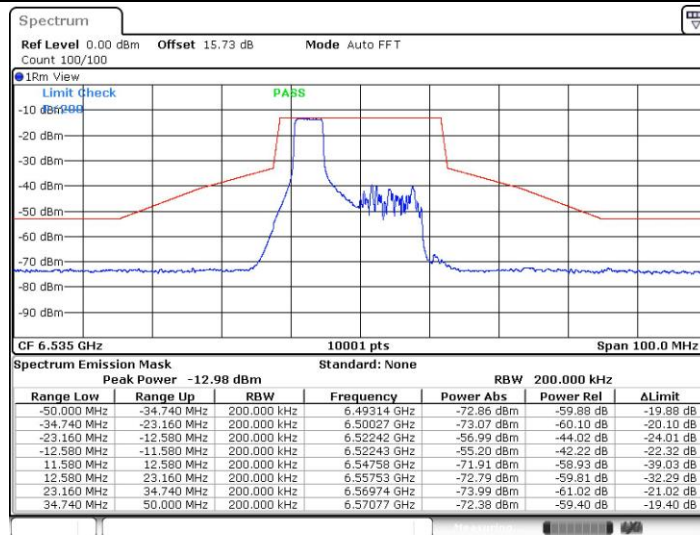




11BE20MIMO_Ant10_6535_26Tone_RU0

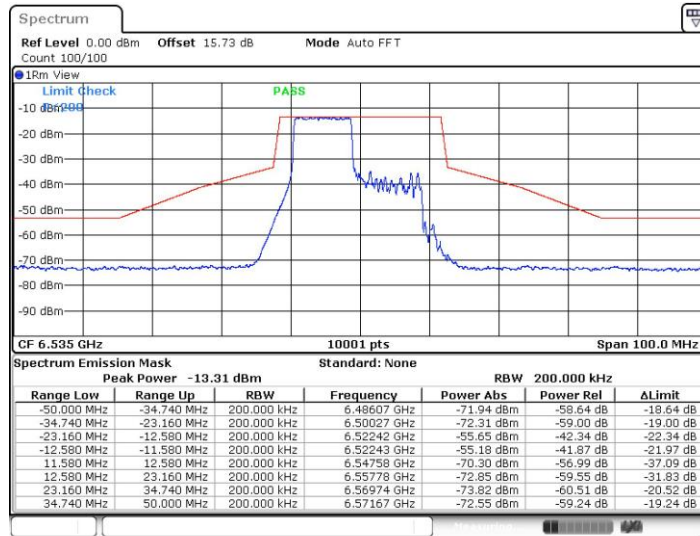


11BE20MIMO_Ant10_6535_52Tone_RU37

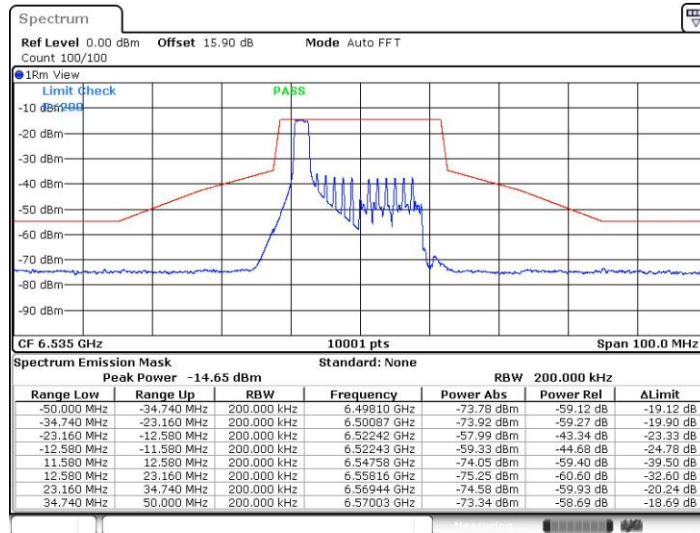




11BE20MIMO_Ant10_6535_106Tone_RU53

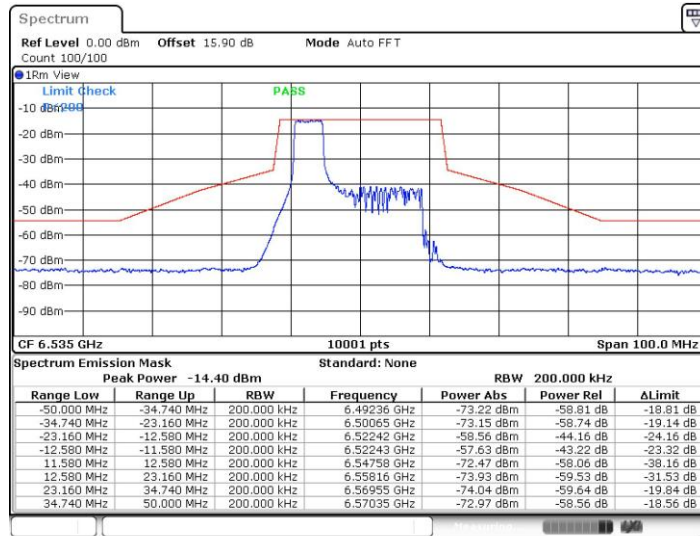


11BE20MIMO_Ant13_6535_26Tone_RU0



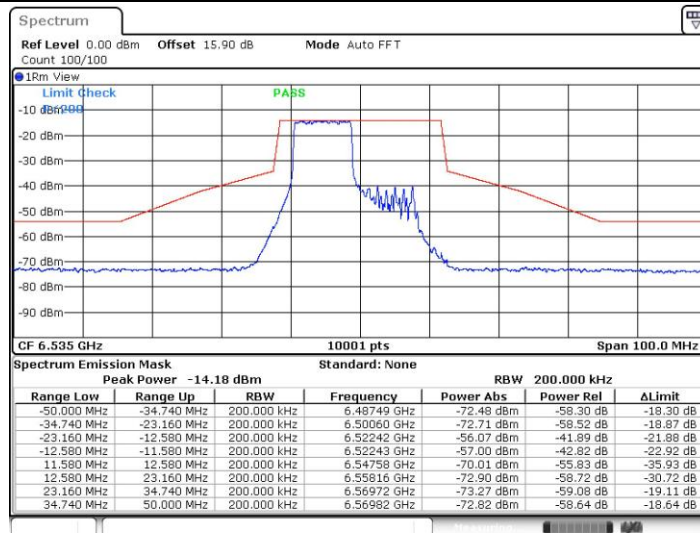


11BE20MIMO_Ant13_6535_52Tone_RU37



Date: 22.NOV.2022 11:56:14

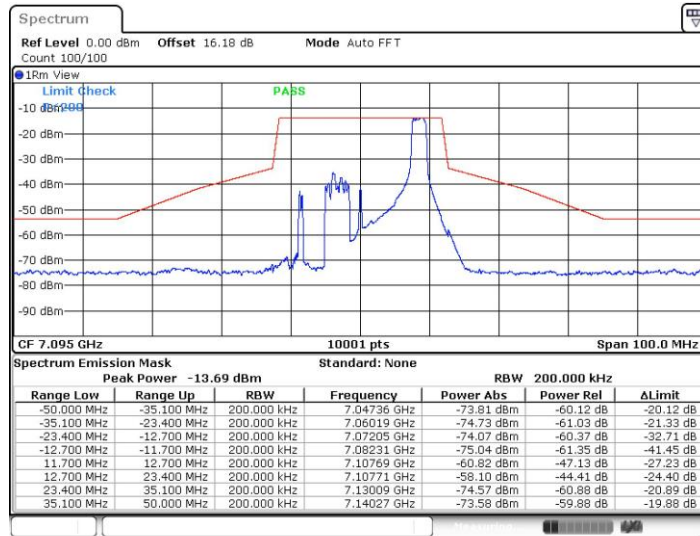
11BE20MIMO_Ant13_6535_106Tone_RU53



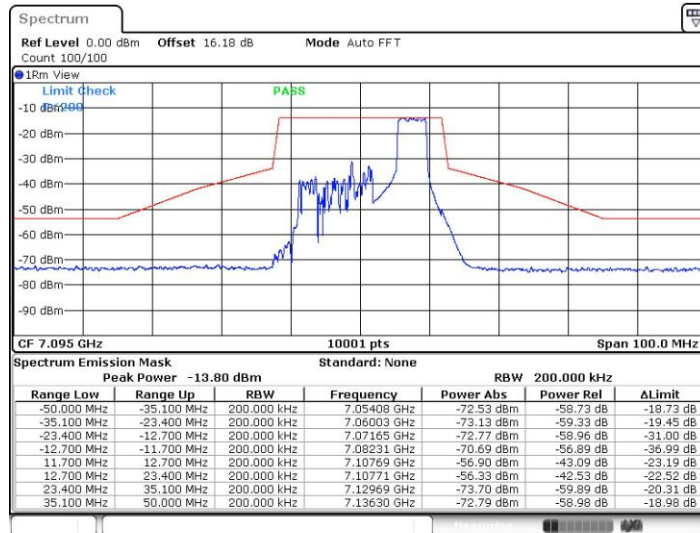
Date: 22.NOV.2022 11:58:50



11BE20MIMO_Ant10_7095_26Tone_RU8

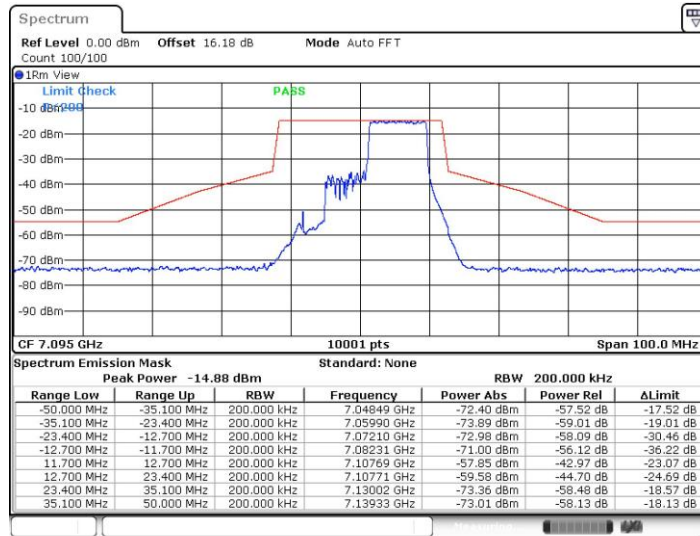


11BE20MIMO_Ant10_7095_52Tone_RU40

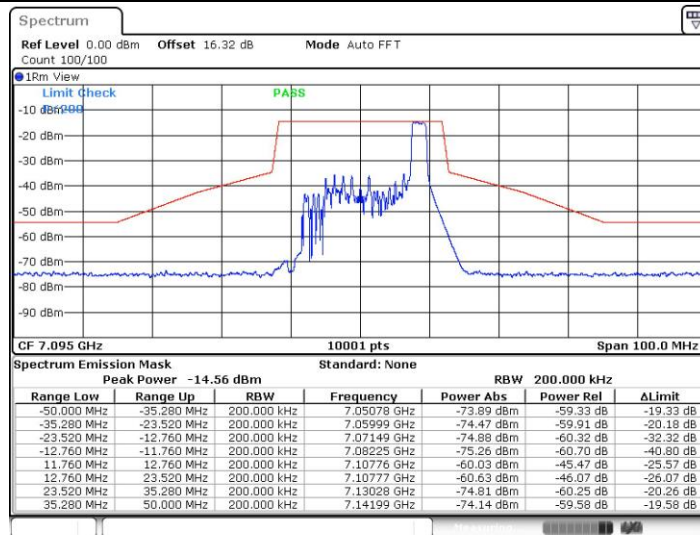




11BE20MIMO_Ant10_7095_106Tone_RU54

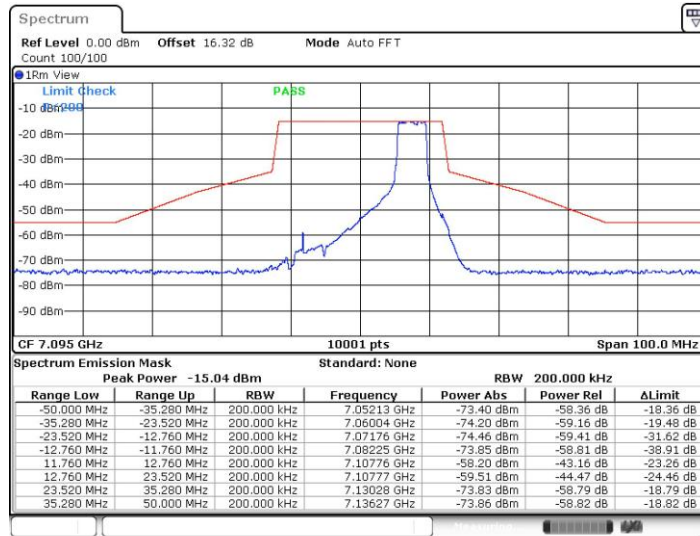


11BE20MIMO_Ant13_7095_26Tone_RU8

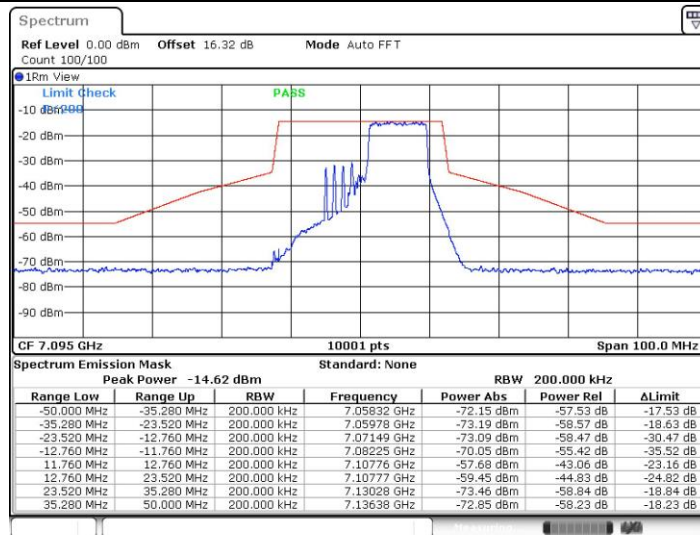




11BE20MIMO_Ant13_7095_52Tone_RU40

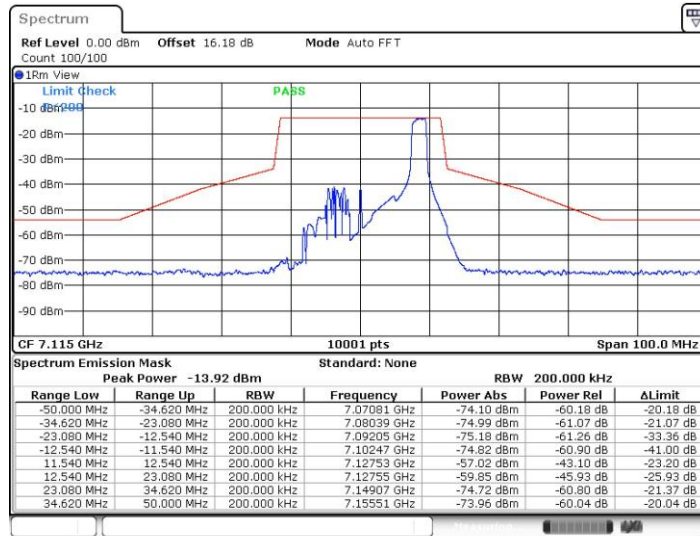


11BE20MIMO_Ant13_7095_106Tone_RU54

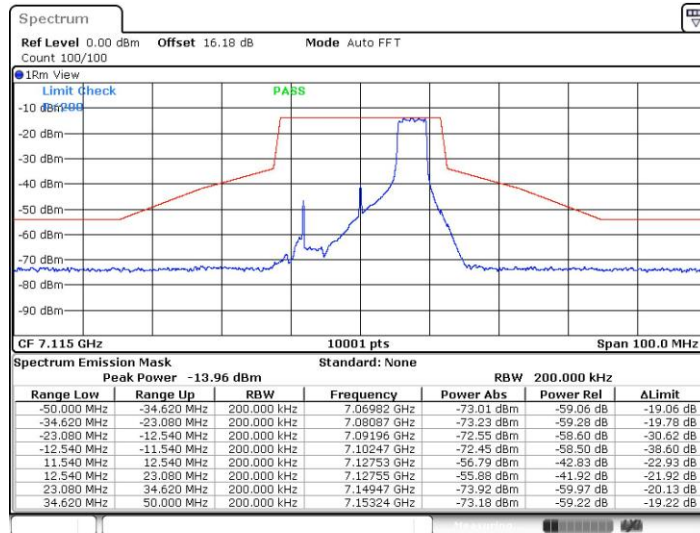




11BE20MIMO_Ant10_7115_26Tone_RU8

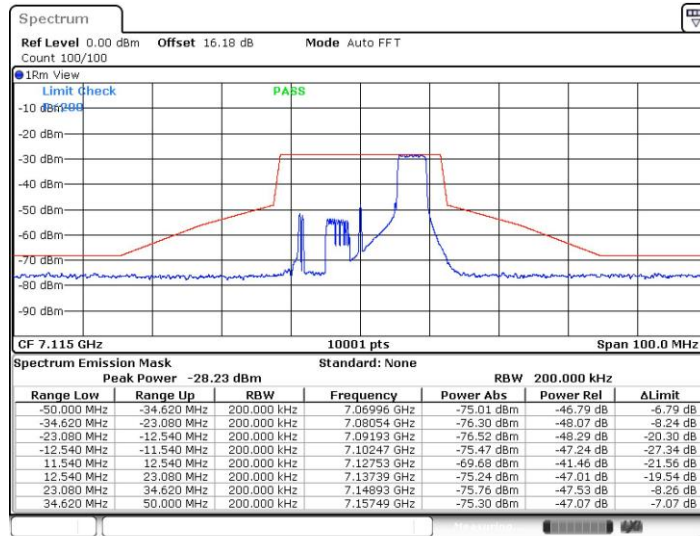


11BE20MIMO_Ant10_7115_52Tone_RU40



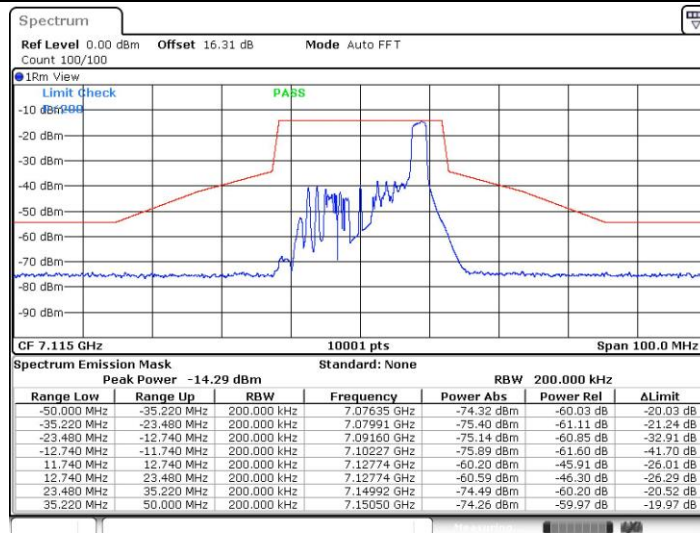


11BE20MIMO_Ant10_7115_106Tone_RU54



Date: 22.NOV.2022 12:03:20

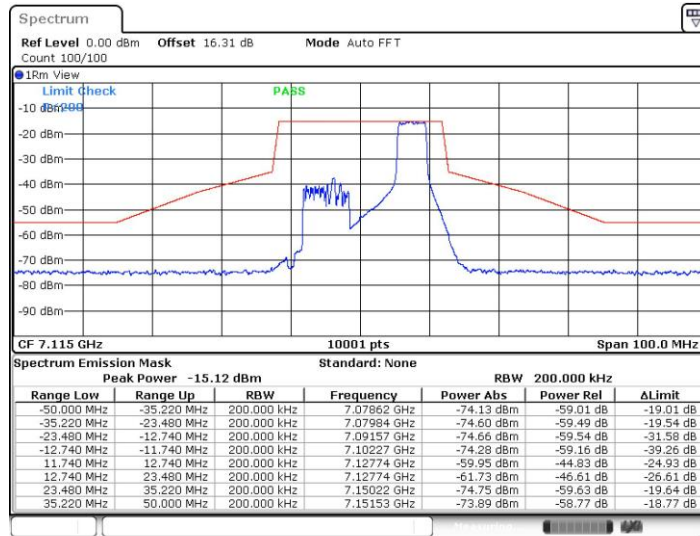
11BE20MIMO_Ant13_7115_26Tone_RU8



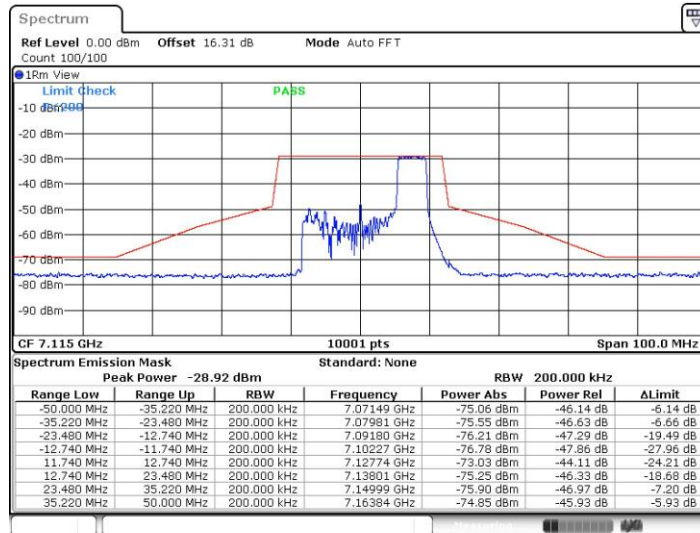
Date: 22.NOV.2022 12:01:52



11BE20MIMO_Ant13_7115_52Tone_RU40



11BE20MIMO_Ant13_7115_106Tone_RU54





Small 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
11BE20MIMO	Ant10	5955	52+26Tone	RU38+1	0.5	-0.13	94.76	0.23	0.1	≤22.70	1.3	1.4	≤24.00	PASS
			106+26Tone	RU53+4	2.5	1.94	94.76	0.23	2.17	≤22.70	1.3	3.47	≤24.00	PASS
	Ant13	5955	52+26Tone	RU38+1	0.5	-0.51	94.76	0.23	-0.28	≤26.20	-2.2	-2.48	≤24.00	PASS
			106+26Tone	RU53+4	2.5	1.56	94.76	0.23	1.79	≤26.20	-2.2	-0.41	≤24.00	PASS
	total	5955	52+26Tone	RU38+1	---	---	---	---	2.92	≤26.20	---	2.89	≤24.00	PASS
			106+26Tone	RU53+4	---	---	---	---	4.99	≤26.20	---	4.96	≤24.00	PASS
	Ant10	6435	52+26Tone	RU38+1	1.5	1.13	94.76	0.23	1.36	≤24.20	-0.2	1.16	≤24.00	PASS
			106+26Tone	RU53+4	3.5	3.35	94.76	0.23	3.58	≤24.20	-0.2	3.38	≤24.00	PASS
	Ant13	6435	52+26Tone	RU38+1	1.5	-0.14	94.76	0.23	0.09	≤25.40	-1.4	-1.31	≤24.00	PASS
			106+26Tone	RU53+4	3.5	1.93	94.76	0.23	2.16	≤25.40	-1.4	0.76	≤24.00	PASS
	total	6435	52+26Tone	RU38+1	---	---	---	---	3.78	≤25.40	---	3.11	≤24.00	PASS
			106+26Tone	RU53+4	---	---	---	---	5.94	≤25.40	---	5.27	≤24.00	PASS
	Ant10	6535	52+26Tone	RU38+1	0.5	0.05	94.76	0.23	0.28	≤25.30	-1.3	-1.02	≤24.00	PASS
			106+26Tone	RU53+4	3	2.8	94.76	0.23	3.03	≤25.30	-1.3	1.73	≤24.00	PASS
	Ant13	6535	52+26Tone	RU38+1	0.5	-0.49	94.76	0.23	-0.26	≤23.60	0.4	0.14	≤24.00	PASS
			106+26Tone	RU53+4	3	2.15	94.76	0.23	2.38	≤23.60	0.4	2.78	≤24.00	PASS
	total	6535	52+26Tone	RU38+1	---	---	---	---	3.03	≤23.60	---	2.61	≤24.00	PASS
			106+26Tone	RU53+4	---	---	---	---	5.73	≤23.60	---	5.30	≤24.00	PASS
	Ant10	7095	52+26Tone	RU39+7	2	1.51	94.76	0.23	1.74	≤26.40	-2.4	-0.66	≤24.00	PASS
			106+26Tone	RU54+4	4	3.43	94.76	0.23	3.66	≤26.40	-2.4	1.26	≤24.00	PASS
	Ant13	7095	52+26Tone	RU39+7	2	0.82	94.76	0.23	1.05	≤22.10	1.9	2.95	≤24.00	PASS
			106+26Tone	RU54+4	4	3.7	94.76	0.23	3.93	≤22.10	1.9	5.83	≤24.00	PASS
	total	7095	52+26Tone	RU39+7	---	---	---	---	4.42	≤22.10	---	4.52	≤24.00	PASS
			106+26Tone	RU54+4	---	---	---	---	6.81	≤22.10	---	7.13	≤24.00	PASS
	Ant10	7115	52+26Tone	RU39+7	2	1.09	94.76	0.23	1.32	≤26.40	-2.4	-1.08	≤24.00	PASS
			106+26Tone	RU54+4	4	3.45	94.76	0.23	3.68	≤26.40	-2.4	1.28	≤24.00	PASS
	Ant13	7115	52+26Tone	RU39+7	2	0.52	94.76	0.23	0.75	≤22.10	1.9	2.65	≤24.00	PASS
			106+26Tone	RU54+4	4	3.57	94.76	0.23	3.8	≤22.10	1.9	5.7	≤24.00	PASS
	total	7115	52+26Tone	RU39+7	---	---	---	---	4.05	≤22.10	---	4.18	≤24.00	PASS
			106+26Tone	RU54+4	---	---	---	---	6.75	≤22.10	---	7.04	≤24.00	PASS

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



Power spectral density

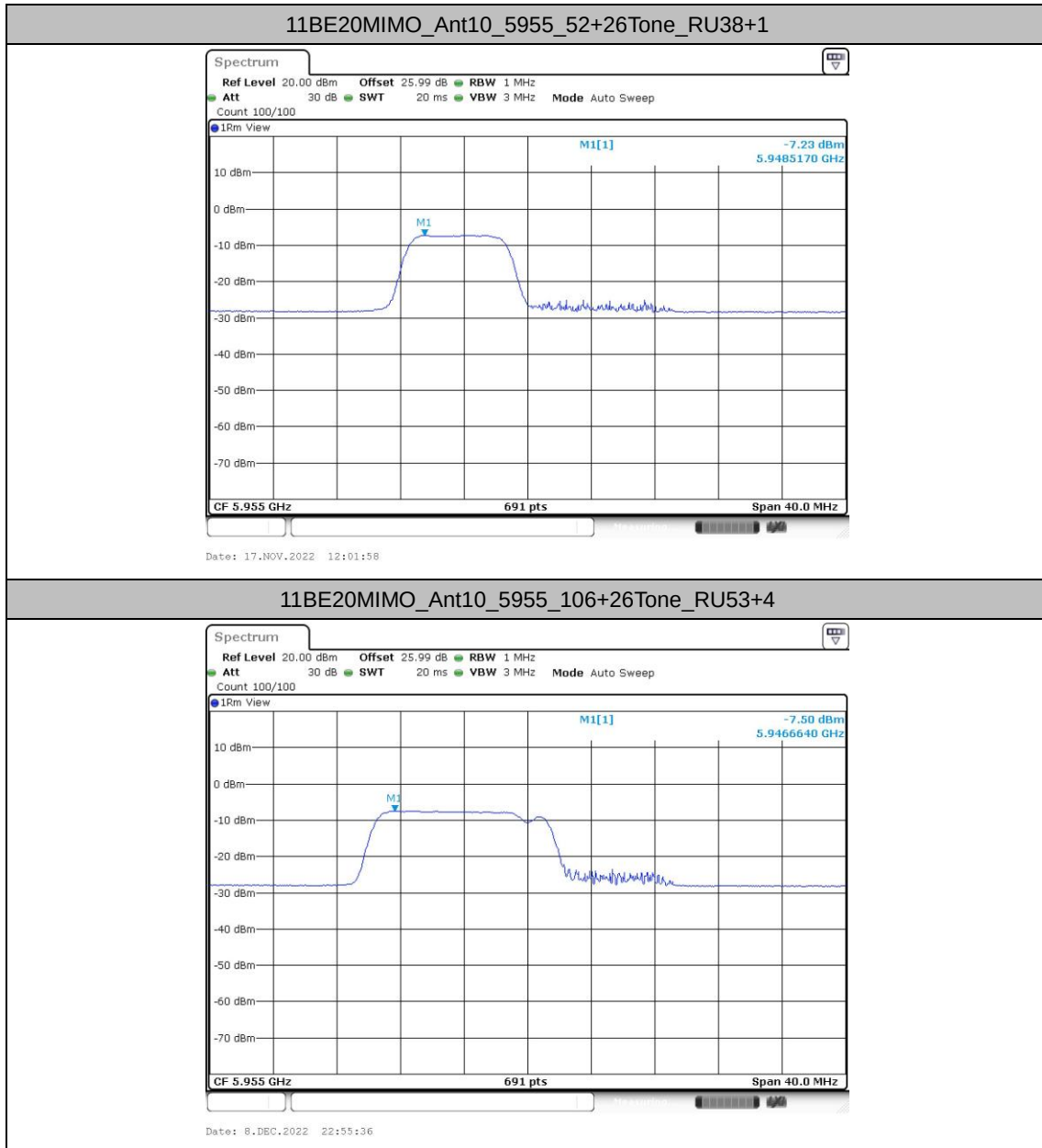
Test Result

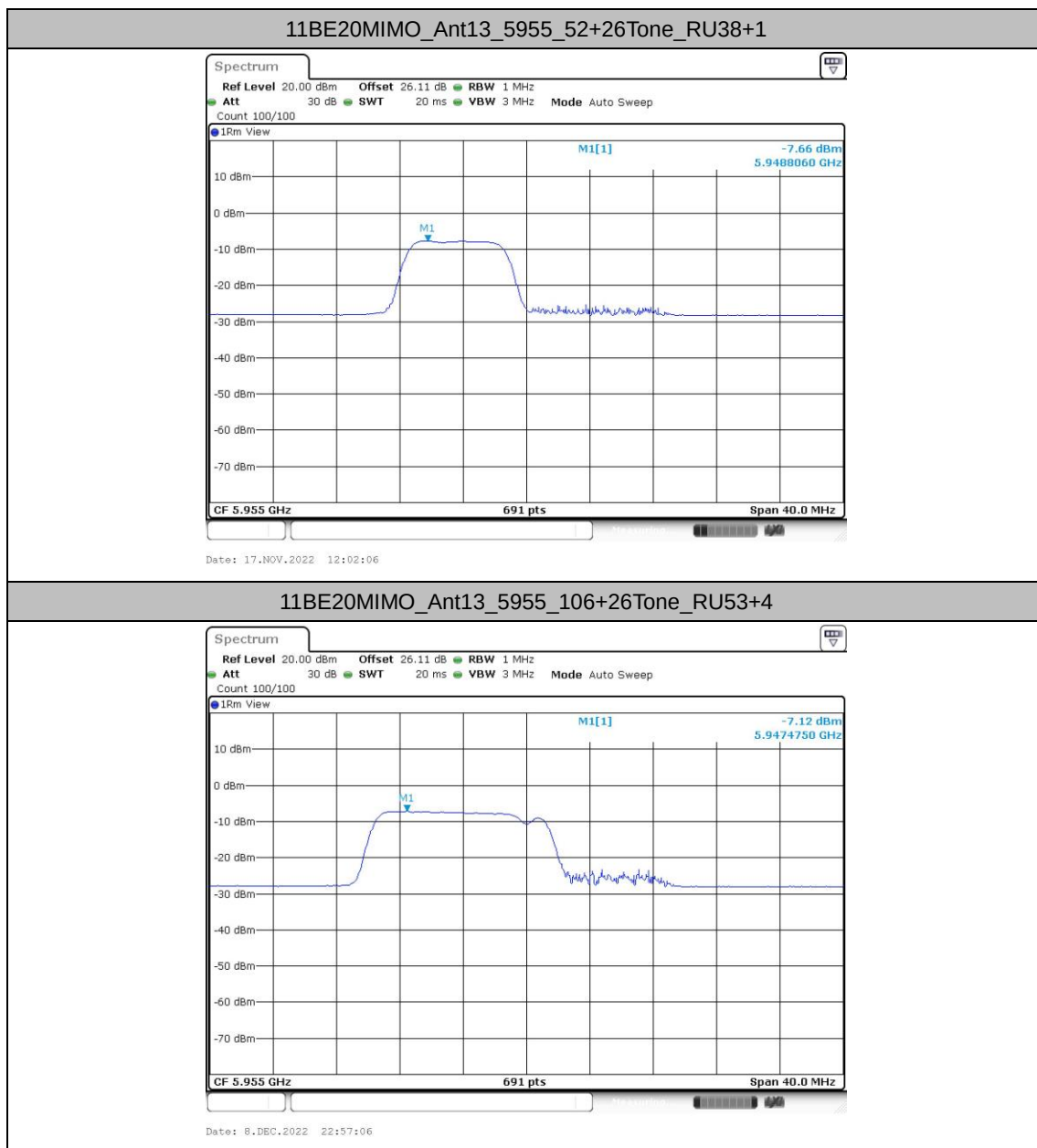
Test	Antenna	Freq(MHz)	Ru	Ru	Result	Limit	Gain	EIRP	Limit	Verdict
Mode			Size	Index	[dBm/MHz]	[dBm/MHz]		[dBm/MHz]	[dBm/MHz]	
11BE20MIMO	Ant10	5955	52+26Tone	RU38+1	-7.23	≤-2.30	1.3	-5.93	≤-1.00	PASS
			106+26Tone	RU53+4	-7.5	≤-2.30	1.30	-6.20	≤-1.00	PASS
	Ant13	5955	52+26Tone	RU38+1	-7.66	≤1.20	-2.2	-9.86	≤-1.00	PASS
			106+26Tone	RU53+4	-7.12	≤1.20	-2.2	-9.32	≤-1.00	PASS
	total	5955	52+26Tone	RU38+1	-4.43	≤-3.74	2.74	-1.69	≤-1.00	PASS
			106+26Tone	RU53+4	-4.3	≤-3.74	2.74	-1.65	≤-1.00	PASS
	Ant10	6435	52+26Tone	RU38+1	-6.02	≤-0.80	-0.2	-6.22	≤-1.00	PASS
			106+26Tone	RU53+4	-5.86	≤-0.80	-0.2	-6.06	≤-1.00	PASS
	Ant13	6435	52+26Tone	RU38+1	-7.38	≤0.40	-1.4	-8.78	≤-1.00	PASS
			106+26Tone	RU53+4	-7.45	≤0.40	-1.4	-8.85	≤-1.00	PASS
	total	6435	52+26Tone	RU38+1	-3.64	≤-3.23	2.23	-1.41	≤-1.00	PASS
			106+26Tone	RU53+4	-3.57	≤-3.23	2.23	-1.34	≤-1.00	PASS
	Ant10	6535	52+26Tone	RU38+1	-7.07	≤0.30	-1.3	-8.37	≤-1.00	PASS
			106+26Tone	RU53+4	-6.55	≤0.30	-1.3	-7.85	≤-1.00	PASS
	Ant13	6535	52+26Tone	RU38+1	-7.59	≤-1.40	0.4	-7.19	≤-1.00	PASS
			106+26Tone	RU53+4	-7.4	≤-1.40	0.4	-7	≤-1.00	PASS
	total	6535	52+26Tone	RU38+1	-4.31	≤-3.60	2.6	-1.71	≤-1.00	PASS
			106+26Tone	RU53+4	-3.94	≤-3.60	2.6	-1.34	≤-1.00	PASS
	Ant10	7095	52+26Tone	RU39+7	-7.25	≤1.40	-2.4	-9.65	≤-1.00	PASS
			106+26Tone	RU54+4	-7.38	≤1.40	-2.4	-9.78	≤-1.00	PASS
	Ant13	7095	52+26Tone	RU39+7	-7.84	≤-2.90	1.9	-5.94	≤-1.00	PASS
			106+26Tone	RU54+4	-7.54	≤-2.90	1.9	-5.64	≤-1.00	PASS
	total	7095	52+26Tone	RU39+7	-4.52	≤-4.02	3.02	-1.50	≤-1.00	PASS
			106+26Tone	RU54+4	-4.45	≤-4.02	3.02	-1.43	≤-1.00	PASS
	Ant10	7115	52+26Tone	RU39+7	-7.75	≤1.40	-2.4	-10.15	≤-1.00	PASS
			106+26Tone	RU54+4	-7.55	≤1.40	-2.4	-9.95	≤-1.00	PASS
	Ant13	7115	52+26Tone	RU39+7	-8.3	≤-2.90	1.9	-6.4	≤-1.00	PASS
			106+26Tone	RU54+4	-7.66	≤-2.90	1.9	-5.76	≤-1.00	PASS
	total	7115	52+26Tone	RU39+7	-5.01	≤-4.02	3.02	-1.99	≤-1.00	PASS
			106+26Tone	RU54+4	-4.59	≤-4.02	3.02	-1.57	≤-1.00	PASS

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



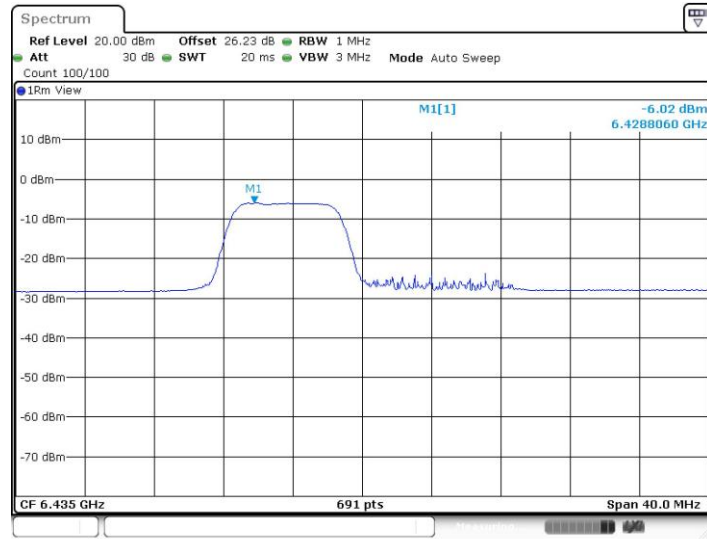
Test Graphs





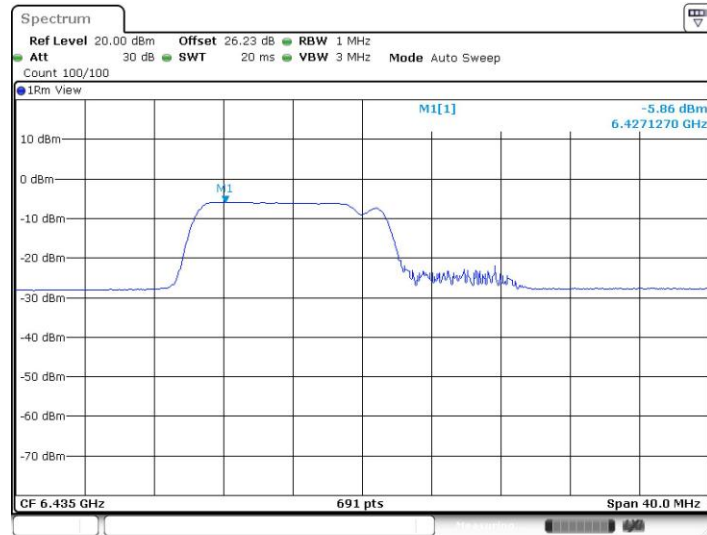


11BE20MIMO_Ant10_6435_52+26Tone_RU38+1



Date: 17.NOV.2022 12:04:19

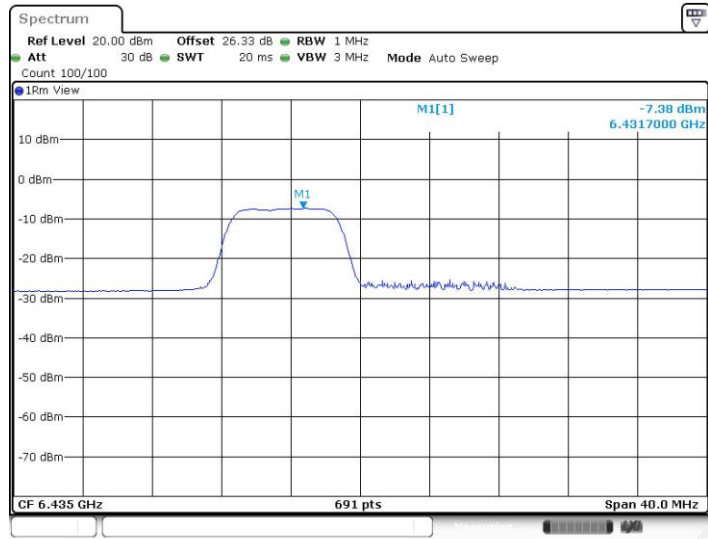
11BE20MIMO_Ant10_6435_106+26Tone_RU53+4



Date: 8.DEC.2022 23:07:45

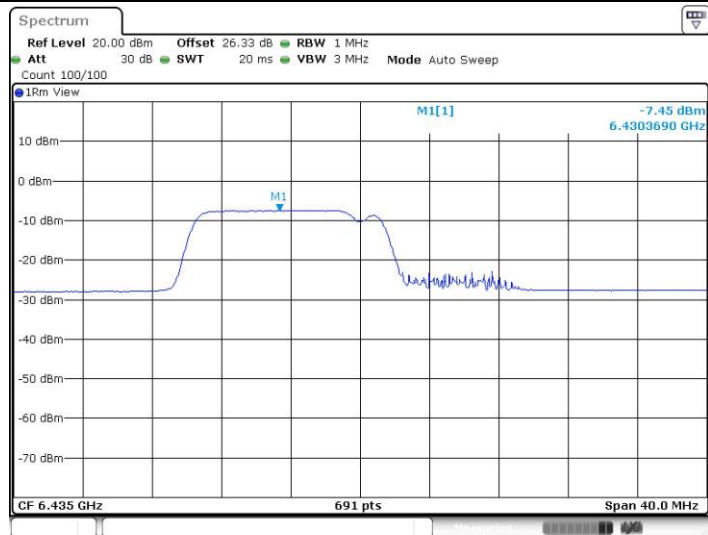


11BE20MIMO_Ant13_6435_52+26Tone_RU38+1



Date: 17.NOV.2022 12:04:27

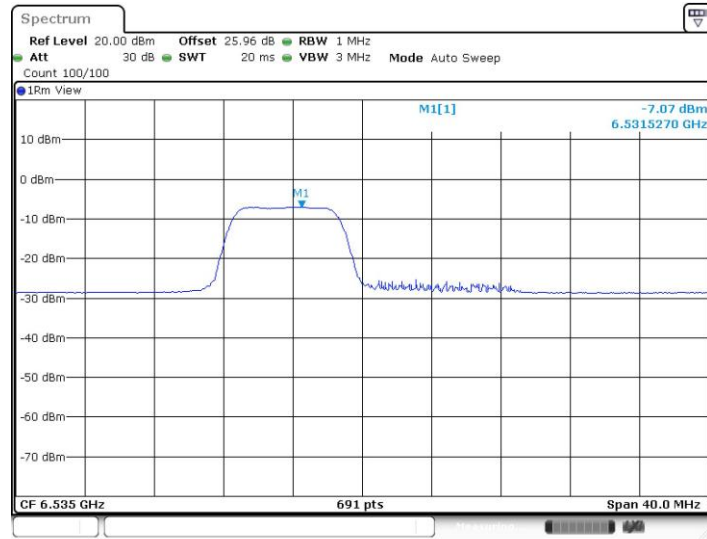
11BE20MIMO_Ant13_6435_106+26Tone_RU53+4



Date: 8.DEC.2022 23:07:53



11BE20MIMO_Ant10_6535_52+26Tone_RU38+1



Date: 17.NOV.2022 12:12:01

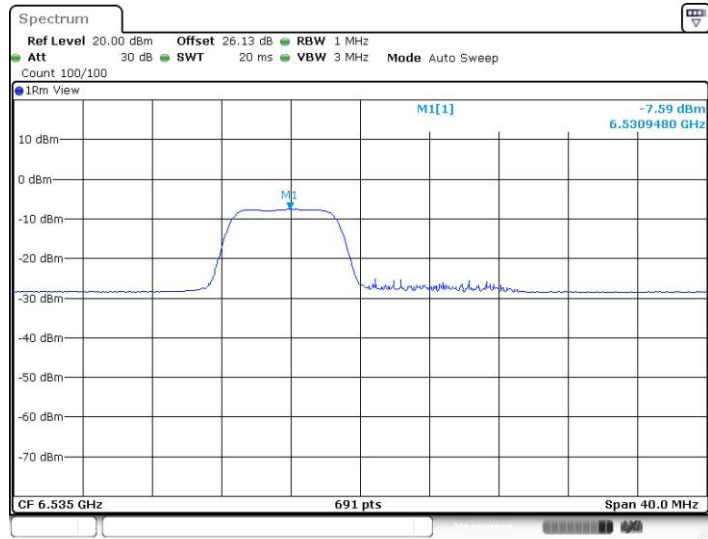
11BE20MIMO_Ant10_6535_106+26Tone_RU53+4



Date: 17.NOV.2022 12:07:44



11BE20MIMO_Ant13_6535_52+26Tone_RU38+1



Date: 17.NOV.2022 12:12:11

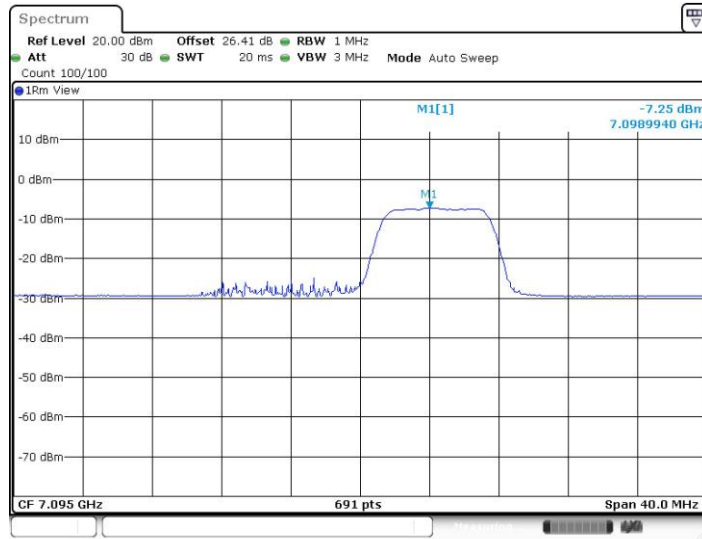
11BE20MIMO_Ant13_6535_106+26Tone_RU53+4



Date: 17.NOV.2022 12:07:57



11BE20MIMO_Ant10_7095_52+26Tone_RU39+7



Date: 17.NOV.2022 12:12:45

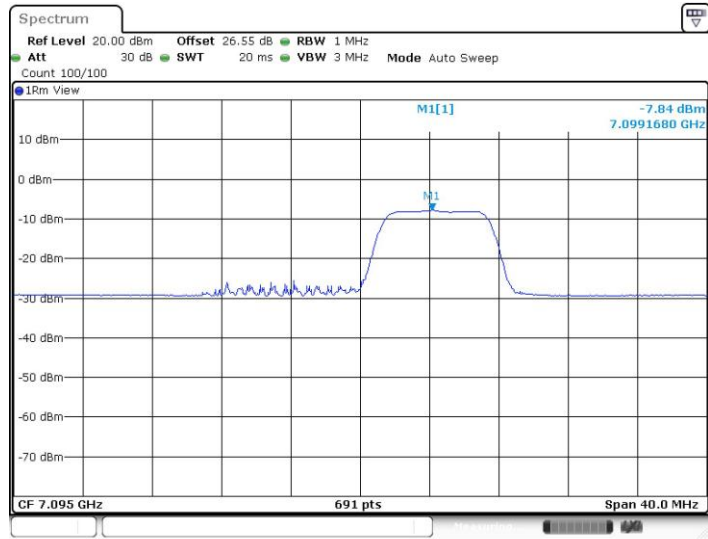
11BE20MIMO_Ant10_7095_106+26Tone_RU54+4



Date: 8.DEC.2022 23:10:03

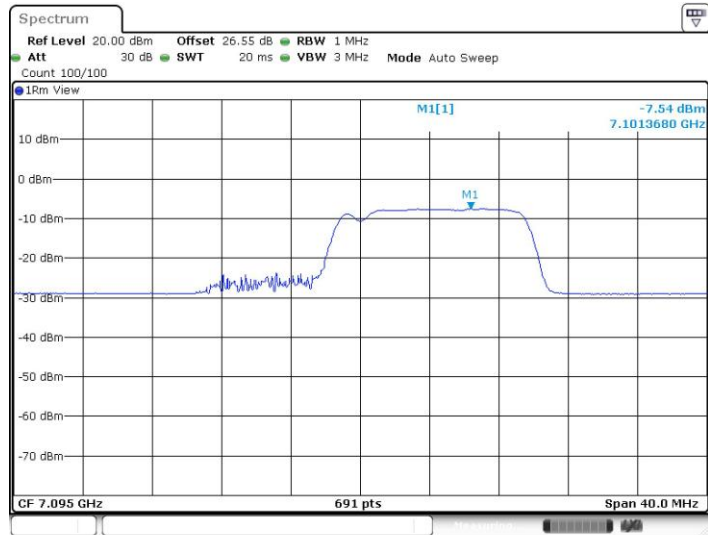


11BE20MIMO_Ant13_7095_52+26Tone_RU39+7



Date: 17.NOV.2022 12:12:55

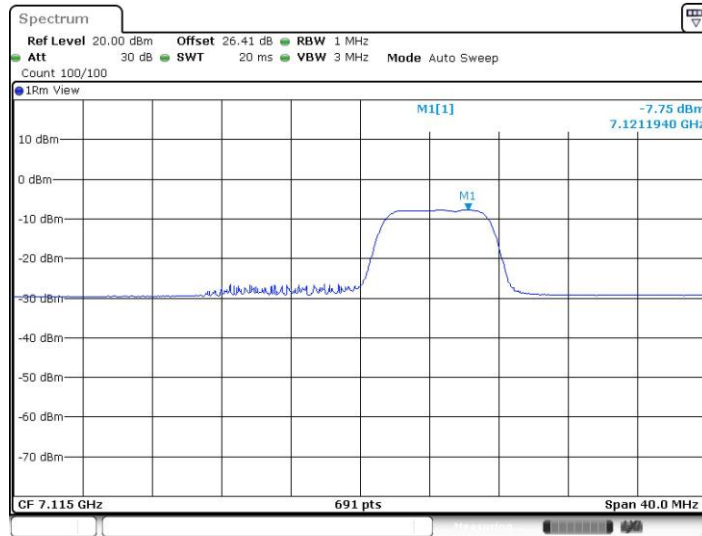
11BE20MIMO_Ant13_7095_106+26Tone_RU54+4



Date: 8.DEC.2022 23:11:44



11BE20MIMO_Ant10_7115_52+26Tone_RU39+7



Date: 17.NOV.2022 12:18:32

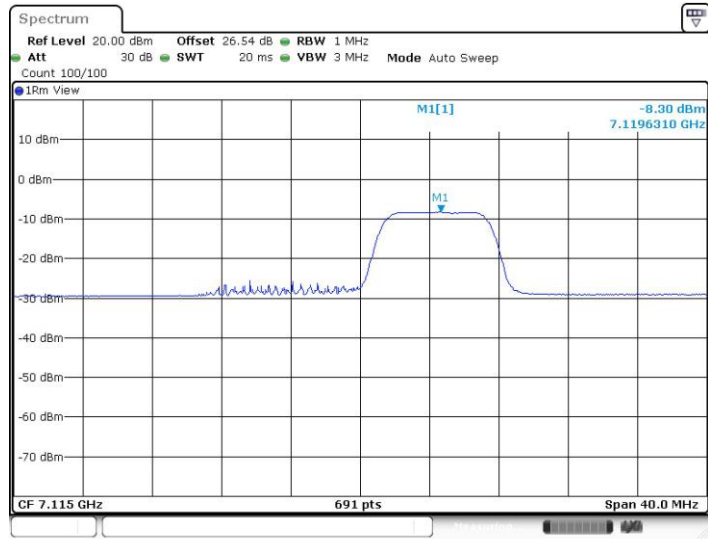
11BE20MIMO_Ant10_7115_106+26Tone_RU54+4



Date: 17.NOV.2022 12:16:27

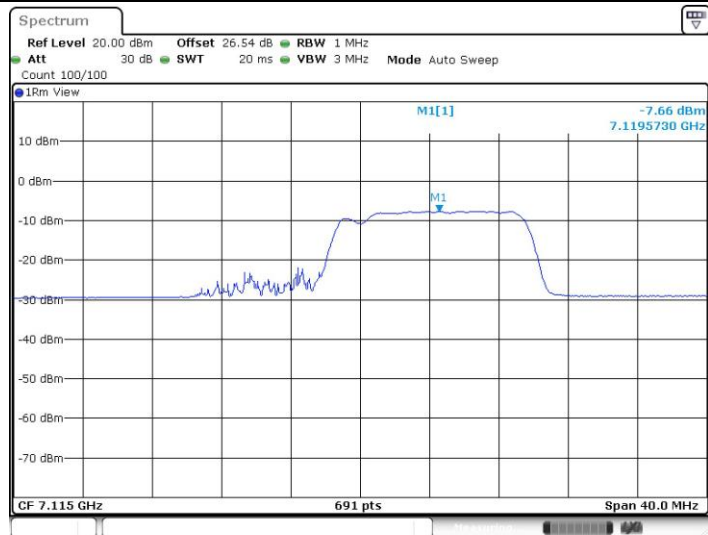


11BE20MIMO_Ant13_7115_52+26Tone_RU39+7



Date: 17.NOV.2022 12:18:43

11BE20MIMO_Ant13_7115_106+26Tone_RU54+4



Date: 17.NOV.2022 12:16:42



In-Band Emissions

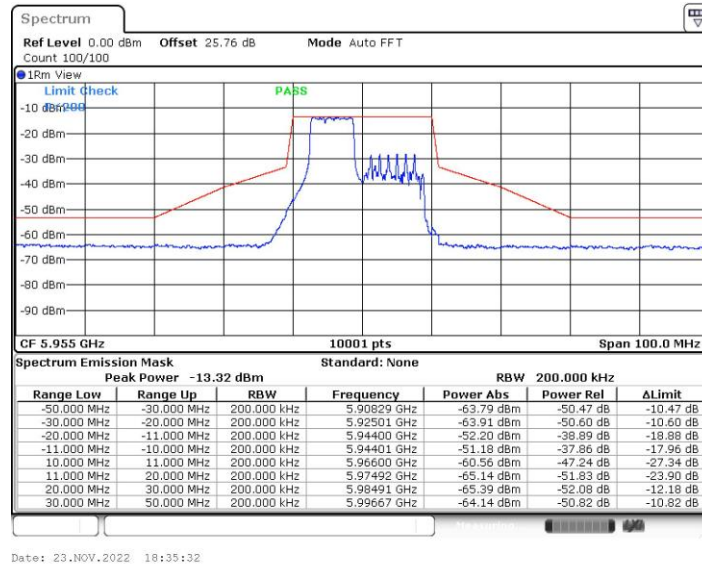
Test Result

Test Mode	Antenna	Freq(MHz)	Ru Size	Ru Index	Result	Limit	Verdict
11BE20MIMO	Ant10	5955	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant13	5955	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant10	6435	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant13	6435	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant10	6535	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant13	6535	52+26Tone	RU38+1	See test graph	See test graph	PASS
			106+26Tone	RU53+4	See test graph	See test graph	PASS
	Ant10	7095	52+26Tone	RU39+7	See test graph	See test graph	PASS
			106+26Tone	RU54+4	See test graph	See test graph	PASS
	Ant13	7095	52+26Tone	RU39+7	See test graph	See test graph	PASS
			106+26Tone	RU54+4	See test graph	See test graph	PASS
	Ant10	7115	52+26Tone	RU39+7	See test graph	See test graph	PASS
			106+26Tone	RU54+4	See test graph	See test graph	PASS
	Ant13	7115	52+26Tone	RU39+7	See test graph	See test graph	PASS
			106+26Tone	RU54+4	See test graph	See test graph	PASS

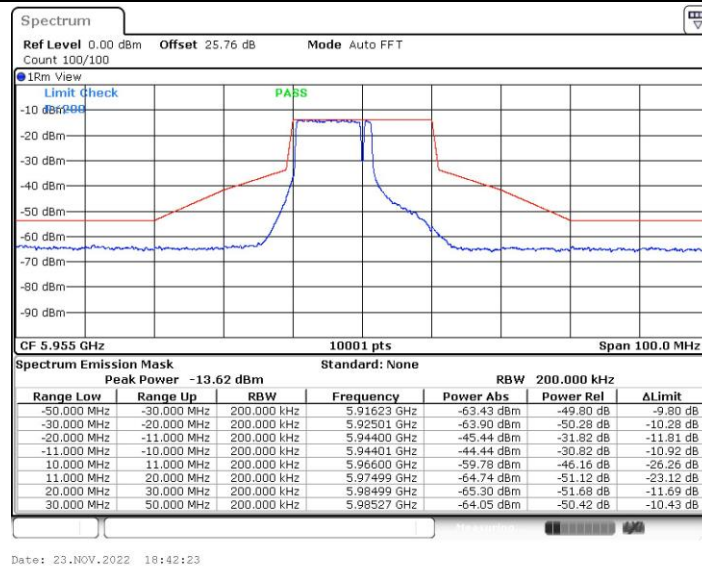


Test Graphs

11BE20MIMO_Ant10_5955_52+26Tone_RU38+1

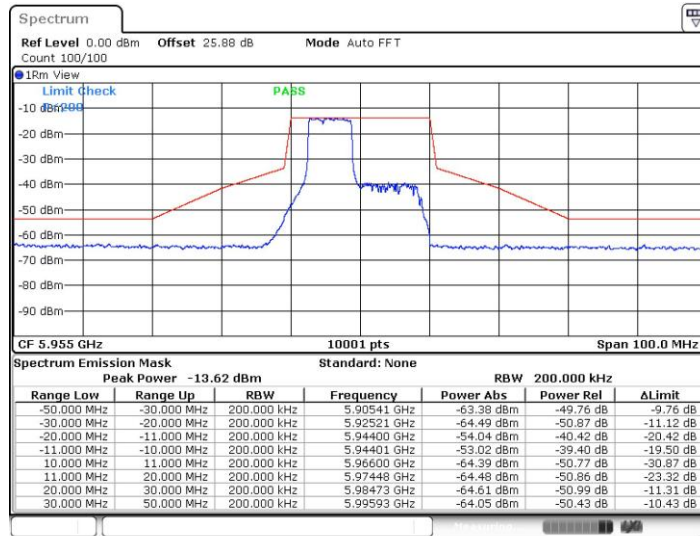


11BE20MIMO_Ant10_5955_106+26Tone_RU53+4

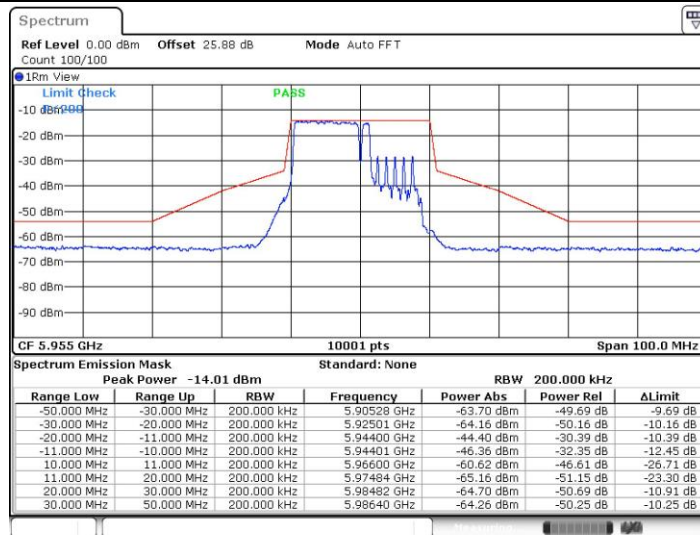




11BE20MIMO_Ant13_5955_52+26Tone_RU38+1

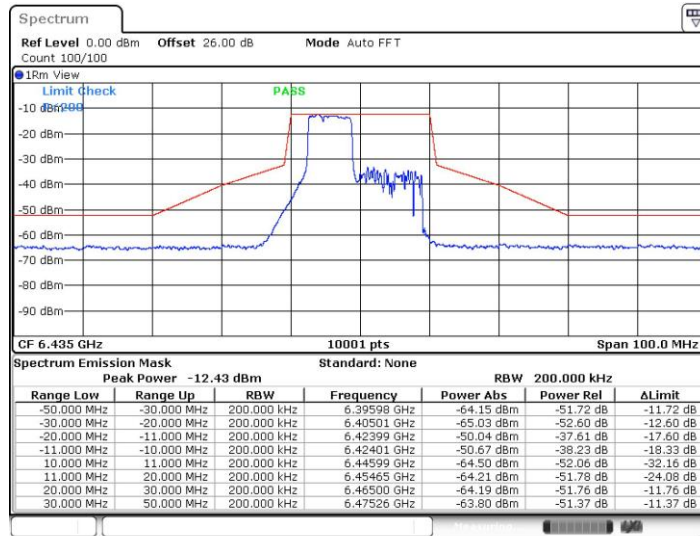


11BE20MIMO_Ant13_5955_106+26Tone_RU53+4

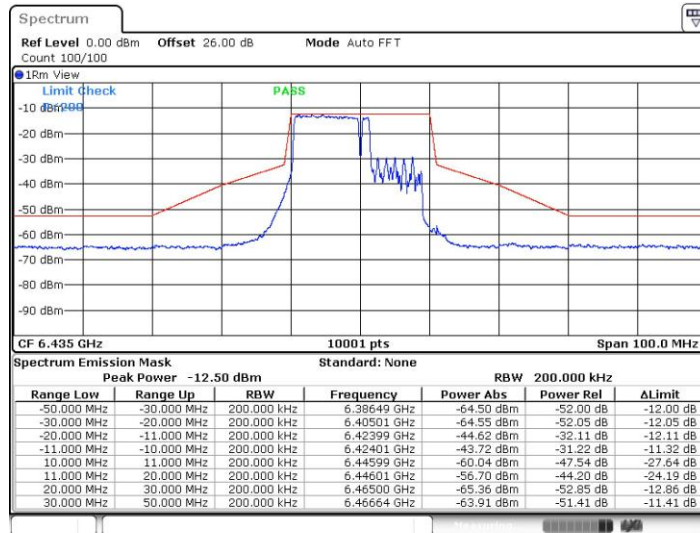




11BE20MIMO_Ant10_6435_52+26Tone_RU38+1

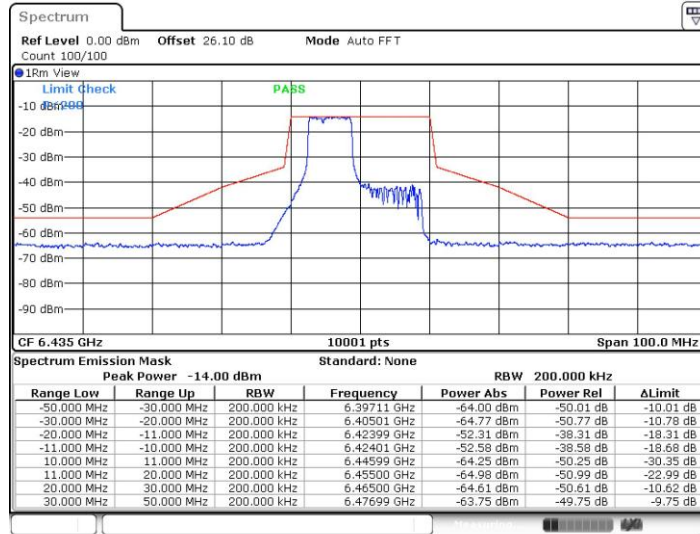


11BE20MIMO_Ant10_6435_106+26Tone_RU53+4

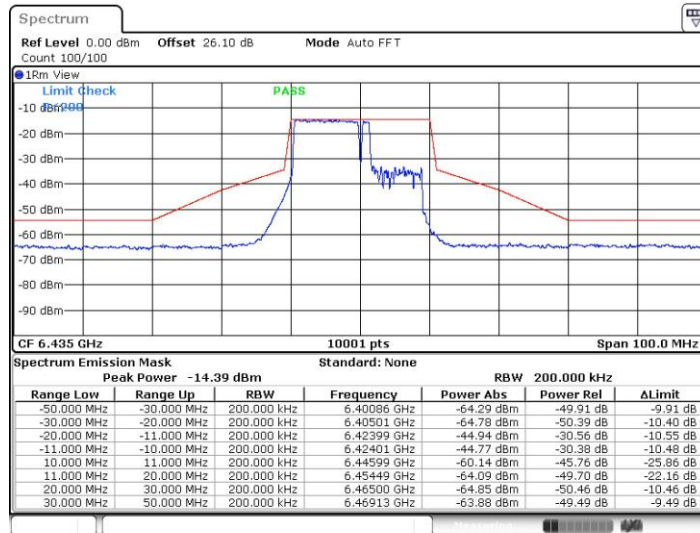




11BE20MIMO_Ant13_6435_52+26Tone_RU38+1

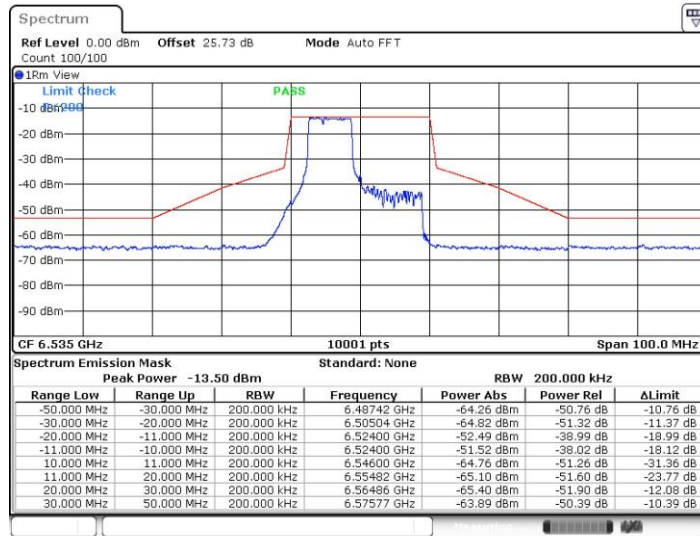


11BE20MIMO_Ant13_6435_106+26Tone_RU53+4



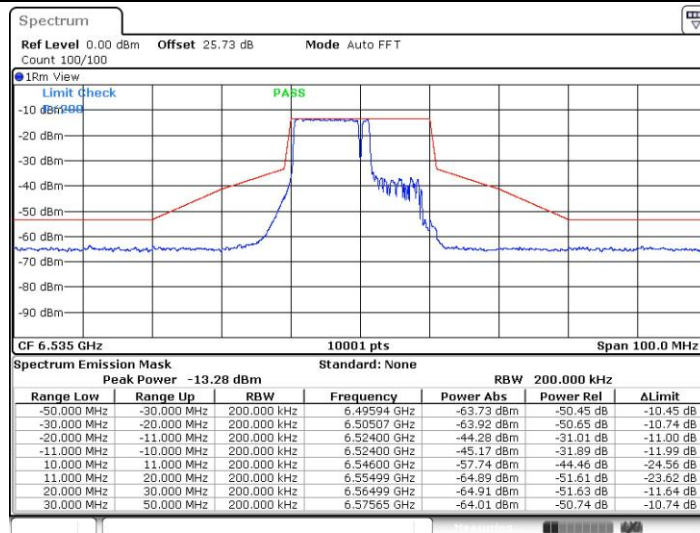


11BE20MIMO_Ant10_6535_52+26Tone_RU38+1



Date: 23.NOV.2022 18:47:22

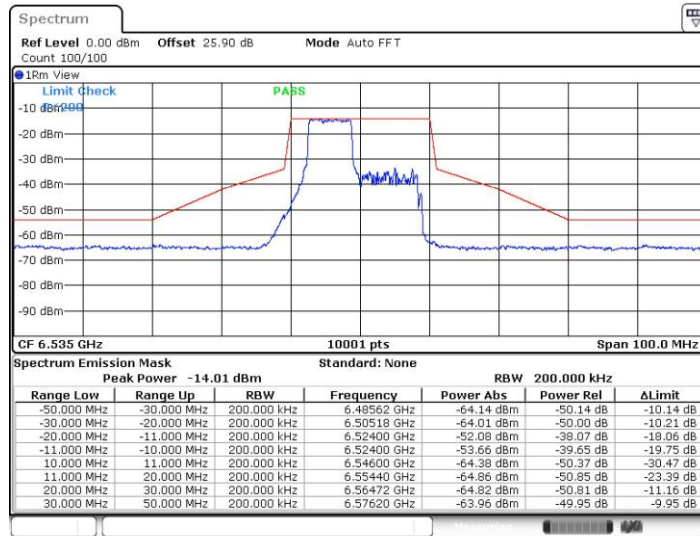
11BE20MIMO_Ant10_6535_106+26Tone_RU53+4



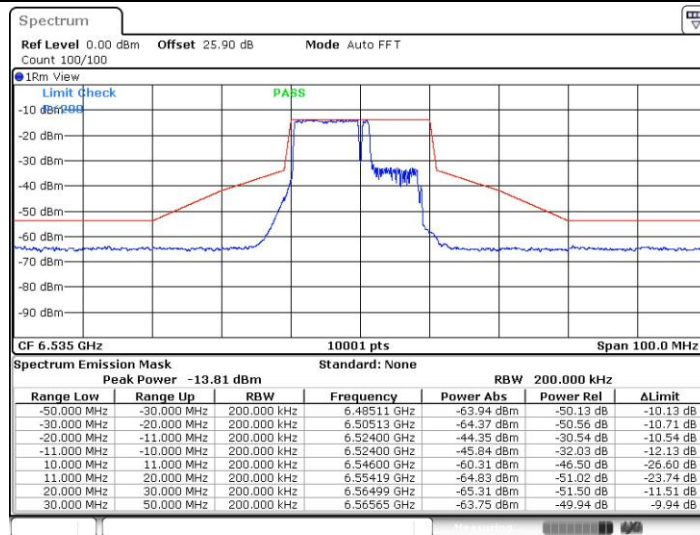
Date: 23.NOV.2022 18:47:53



11BE20MIMO_Ant13_6535_52+26Tone_RU38+1

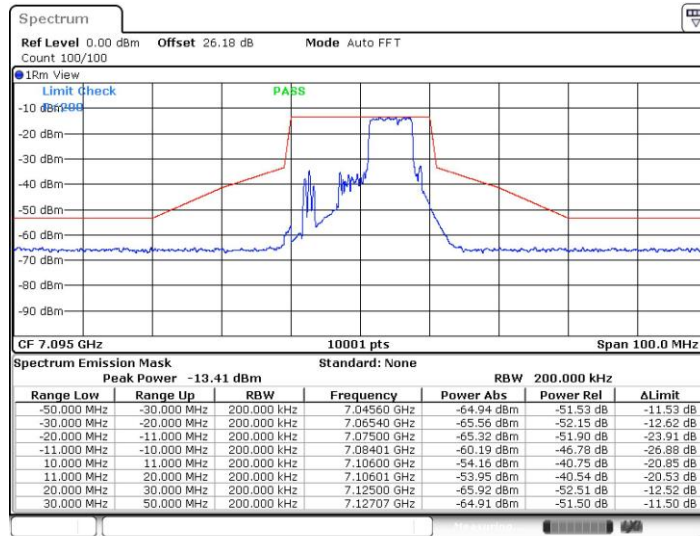


11BE20MIMO_Ant13_6535_106+26Tone_RU53+4

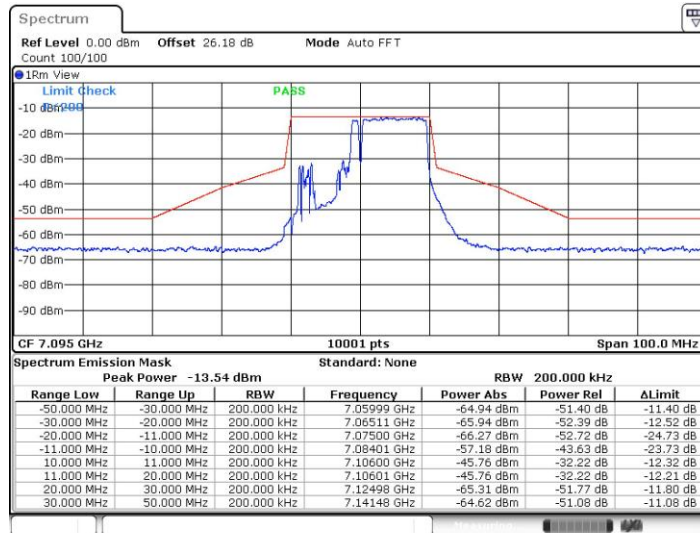




11BE20MIMO_Ant10_7095_52+26Tone_RU39+7

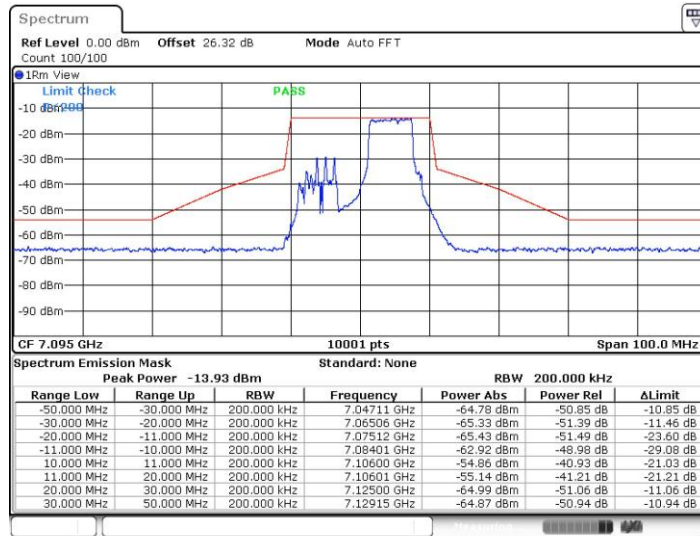


11BE20MIMO_Ant10_7095_106+26Tone_RU54+4

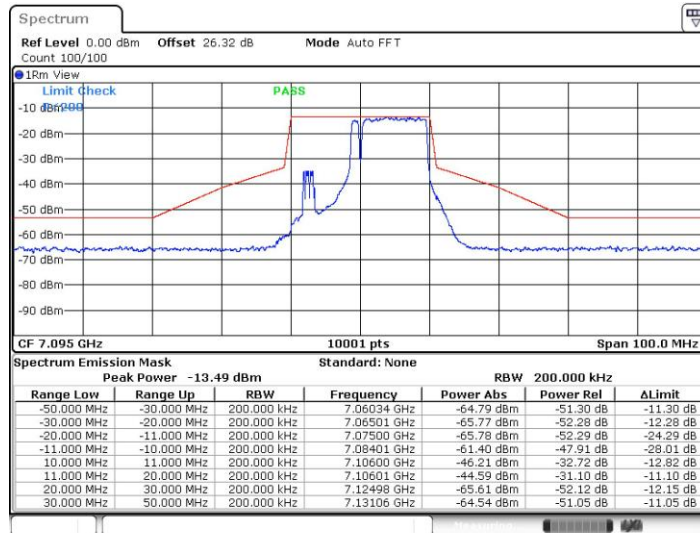




11BE20MIMO_Ant13_7095_52+26Tone_RU39+7

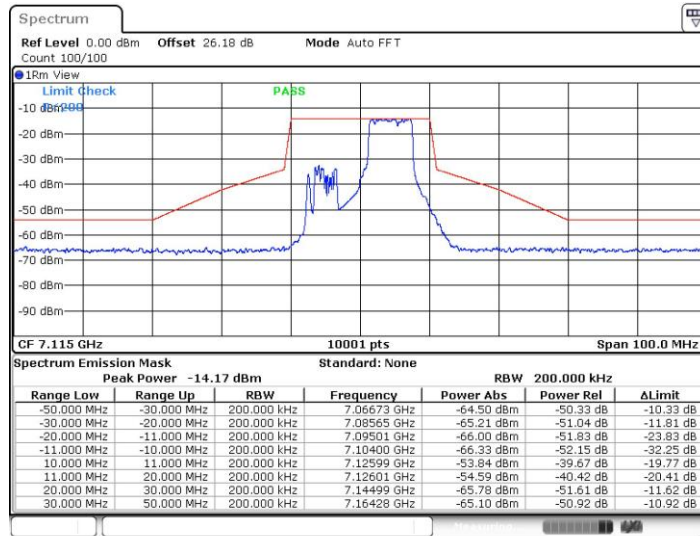


11BE20MIMO_Ant13_7095_106+26Tone_RU54+4





11BE20MIMO_Ant10_7115_52+26Tone_RU39+7



11BE20MIMO_Ant10_7115_106+26Tone_RU54+4

