

Test Result(AV)

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	15.86	≤30	PASS
	Ant2	2412	14.58	≤30	PASS
	total	2412	18.28	≤30	PASS
	Ant1	2442	16.20	≤30	PASS
	Ant2	2442	15.28	≤30	PASS
	total	2442	18.77	≤30	PASS
	Ant1	2472	16.25	≤30	PASS
	Ant2	2472	14.63	≤30	PASS
	total	2472	18.53	≤30	PASS
11G-CDD	Ant1	2412	16.80	≤30	PASS
	Ant2	2412	16.84	≤30	PASS
	total	2412	19.83	≤30	PASS
	Ant1	2442	17.14	≤30	PASS
	Ant2	2442	16.21	≤30	PASS
	total	2442	19.71	≤30	PASS
	Ant1	2472	15.65	≤30	PASS
	Ant2	2472	15.57	≤30	PASS
	total	2472	18.62	≤30	PASS
11N20MIMO	Ant1	2412	15.73	≤30	PASS
	Ant2	2412	15.16	≤30	PASS
	total	2412	18.46	≤30	PASS
	Ant1	2442	15.25	≤30	PASS
	Ant2	2442	14.63	≤30	PASS
	total	2442	17.96	≤30	PASS
	Ant1	2472	14.14	≤30	PASS
	Ant2	2472	13.44	≤30	PASS
	total	2472	16.81	≤30	PASS
11N40MIMO	Ant1	2422	12.73	≤30	PASS
	Ant2	2422	13.06	≤30	PASS
	total	2422	15.91	≤30	PASS
	Ant1	2442	13.25	≤30	PASS
	Ant2	2442	13.34	≤30	PASS
	total	2442	16.31	≤30	PASS
	Ant1	2462	13.27	≤30	PASS
	Ant2	2462	13.52	≤30	PASS
	total	2462	16.41	≤30	PASS
11AX20MIMO	Ant1	2412	15.07	≤30	PASS
	Ant2	2412	15.45	≤30	PASS
	total	2412	18.27	≤30	PASS
	Ant1	2442	15.16	≤30	PASS
	Ant2	2442	14.59	≤30	PASS
	total	2442	17.89	≤30	PASS
	Ant1	2472	13.93	≤30	PASS
	Ant2	2472	13.93	≤30	PASS
	total	2472	16.94	≤30	PASS
11AX40MIMO	Ant1	2422	15.00	≤30	PASS
	Ant2	2422	14.28	≤30	PASS
	total	2422	17.67	≤30	PASS
	Ant1	2442	14.50	≤30	PASS
	Ant2	2442	14.22	≤30	PASS
	total	2442	17.37	≤30	PASS
	Ant1	2462	14.19	≤30	PASS
	Ant2	2462	14.76	≤30	PASS
	total	2462	17.49	≤30	PASS

Note: for average power, the Duty Cycle Factor has added into the result.

EUT employ CCD.

Directional gain= G_{ANT} +array gain

For power measurement,

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

G_{ANT} =1.8dBi

Directional gain= 1.8dBi+0dB= 1.8dBi<6dBi

The maximum EIRP=24.4dBm+1.8dBi=26.2dBm<36dBm, so it's compliance with EIRP limit of ISCEDC.

Appendix D: Maximum power spectral density Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	1.18	≤8	PASS
	Ant2	2412	0.25	≤8	PASS
	total	2412	3.75	≤8	PASS
	Ant1	2442	2.52	≤8	PASS
	Ant2	2442	1.47	≤8	PASS
	total	2442	5.04	≤8	PASS
	Ant1	2472	1.33	≤8	PASS
	Ant2	2472	0.75	≤8	PASS
	total	2472	4.06	≤8	PASS
11G-CDD	Ant1	2412	-1.05	≤8	PASS
	Ant2	2412	-0.96	≤8	PASS
	total	2412	2.01	≤8	PASS
	Ant1	2442	-0.16	≤8	PASS
	Ant2	2442	-1.22	≤8	PASS
	total	2442	2.35	≤8	PASS
	Ant1	2472	-2.6	≤8	PASS
	Ant2	2472	-2.28	≤8	PASS
	total	2472	0.57	≤8	PASS
11N20MIMO	Ant1	2412	-0.98	≤8	PASS
	Ant2	2412	-1.12	≤8	PASS
	total	2412	1.96	≤8	PASS
	Ant1	2442	-1.28	≤8	PASS
	Ant2	2442	-1.49	≤8	PASS
	total	2442	1.63	≤8	PASS
	Ant1	2472	-3.77	≤8	PASS
	Ant2	2472	-2.3	≤8	PASS
	total	2472	0.04	≤8	PASS
11N40MIMO	Ant1	2422	-5.42	≤8	PASS
	Ant2	2422	-6.62	≤8	PASS
	total	2422	-2.97	≤8	PASS
	Ant1	2442	-5.85	≤8	PASS
	Ant2	2442	-7.09	≤8	PASS
	total	2442	-3.42	≤8	PASS
	Ant1	2462	-6.85	≤8	PASS
	Ant2	2462	-7.04	≤8	PASS
	total	2462	-3.93	≤8	PASS
11AX20MIMO	Ant1	2412	-5.25	≤8	PASS
	Ant2	2412	-4.68	≤8	PASS
	total	2412	-1.95	≤8	PASS
	Ant1	2442	-4.07	≤8	PASS
	Ant2	2442	-6.9	≤8	PASS
	total	2442	-2.25	≤8	PASS
	Ant1	2472	-4.48	≤8	PASS
	Ant2	2472	-4.01	≤8	PASS
	total	2472	-1.23	≤8	PASS
11AX40MIMO	Ant1	2422	-6.57	≤8	PASS
	Ant2	2422	-7.74	≤8	PASS
	total	2422	-4.11	≤8	PASS
	Ant1	2442	-6.16	≤8	PASS
	Ant2	2442	-5.96	≤8	PASS
	total	2442	-3.05	≤8	PASS
	Ant1	2462	-6.73	≤8	PASS
	Ant2	2462	-6.76	≤8	PASS
	total	2462	-3.73	≤8	PASS

Note: EUT employ CCD.

Directional gain= G_{ANT} +array gain

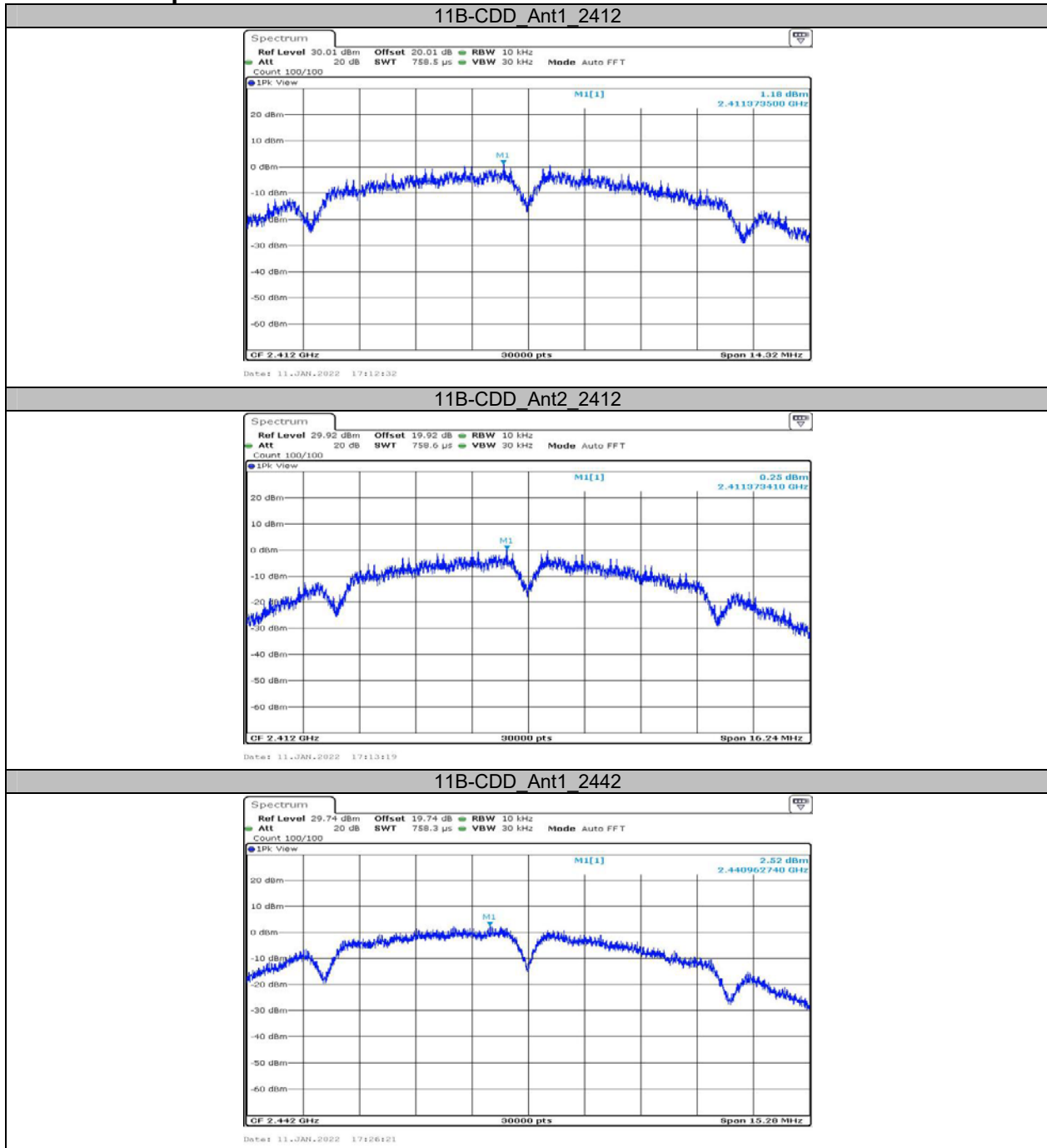
For power spectrak density(PSD) measurement,

Array gain= $10\log(N_{ANT})$ dB

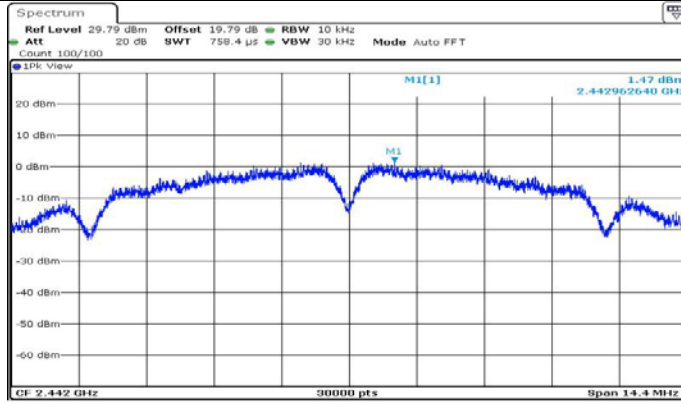
$G_{ANT}=1.8\text{dBi}$, $N_{ANT}=2$

Directional gain= $1.8\text{dBi}+10\log 2\text{dB}=4.8\text{dBi}<6\text{dBi}$

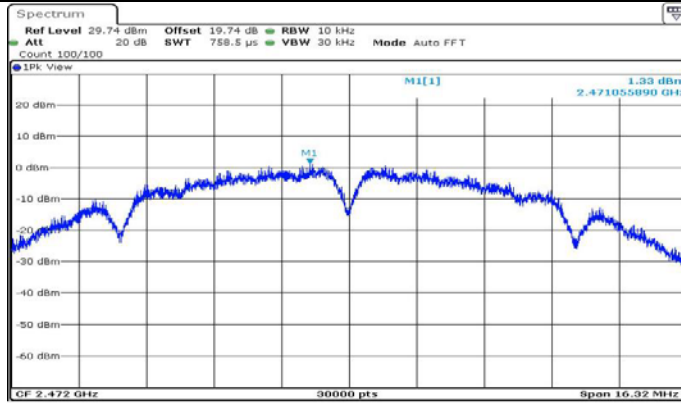
Test Graphs



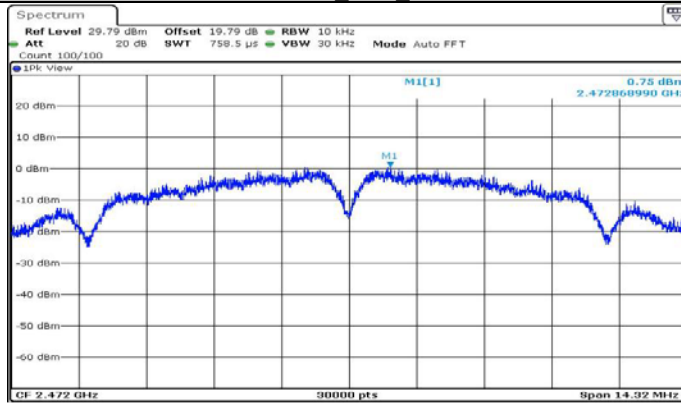
11B-CDD_Ant2_2442

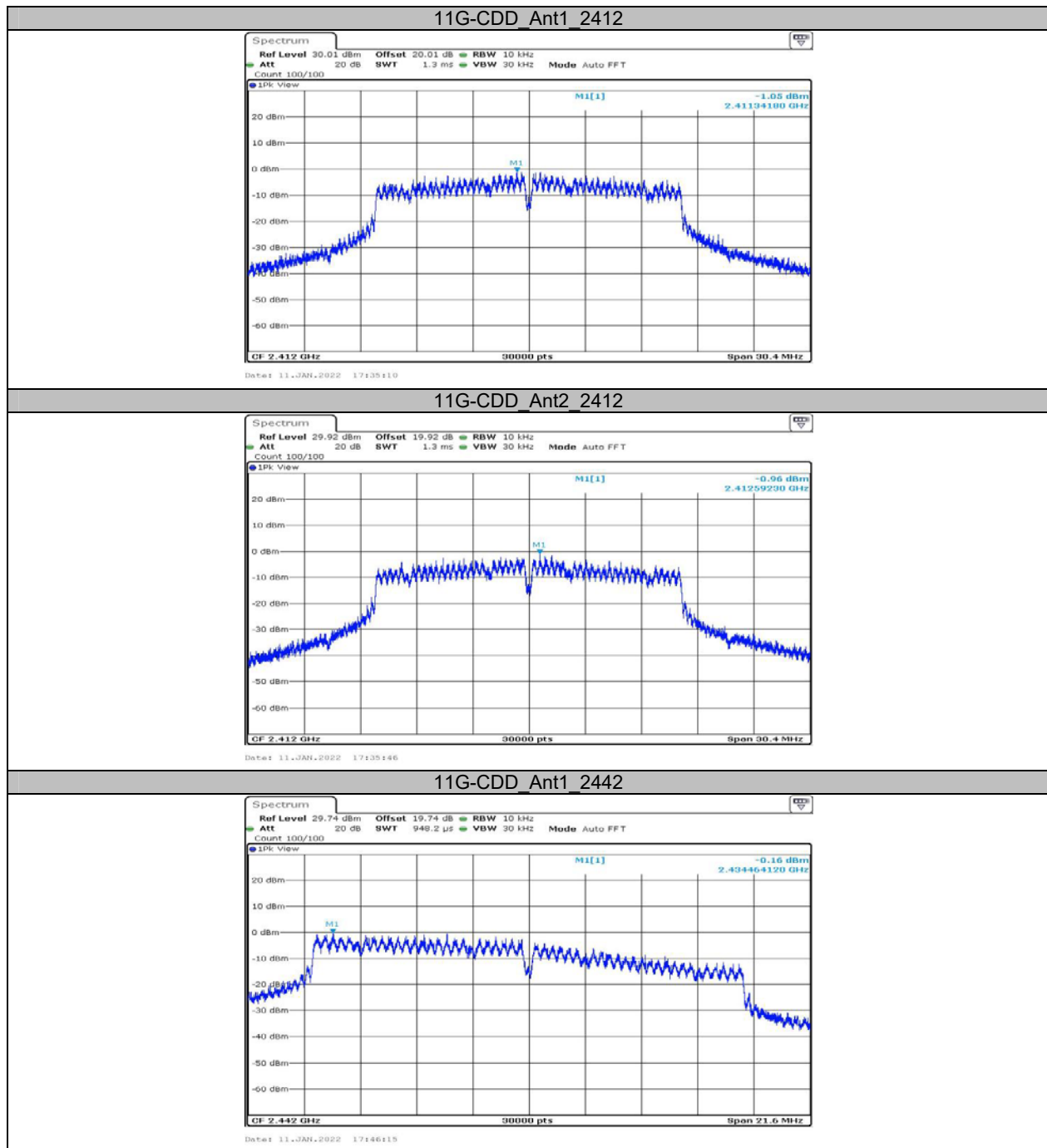


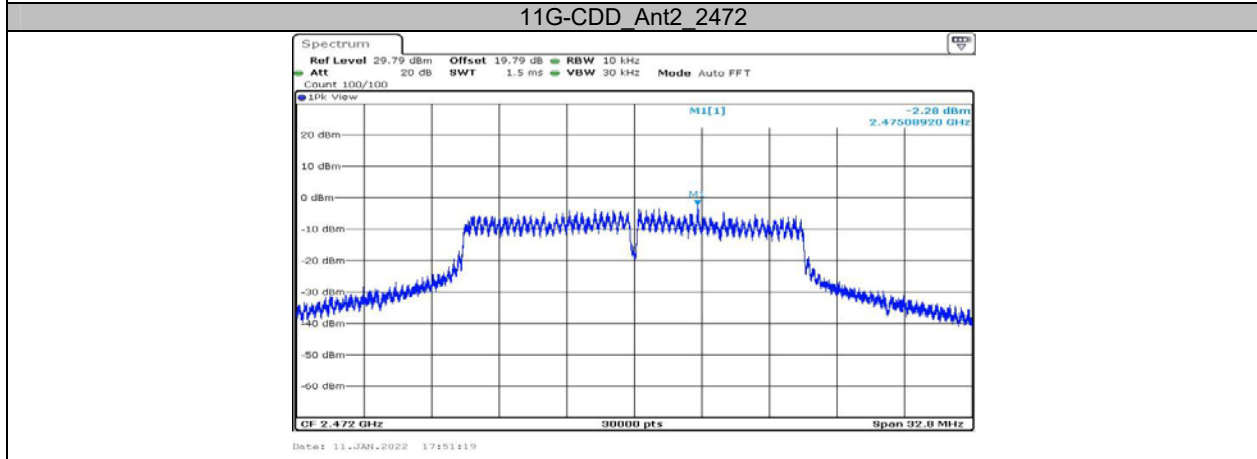
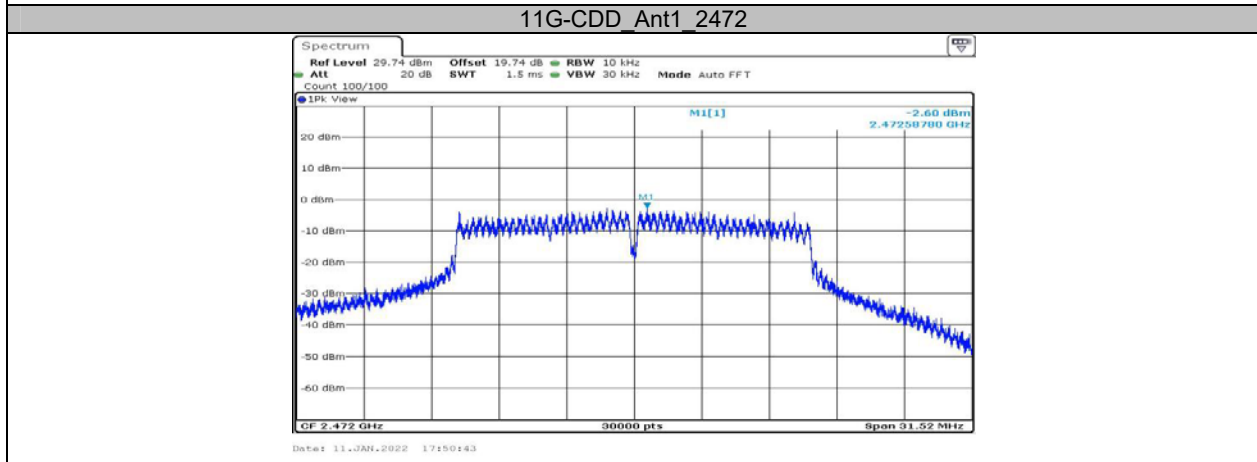
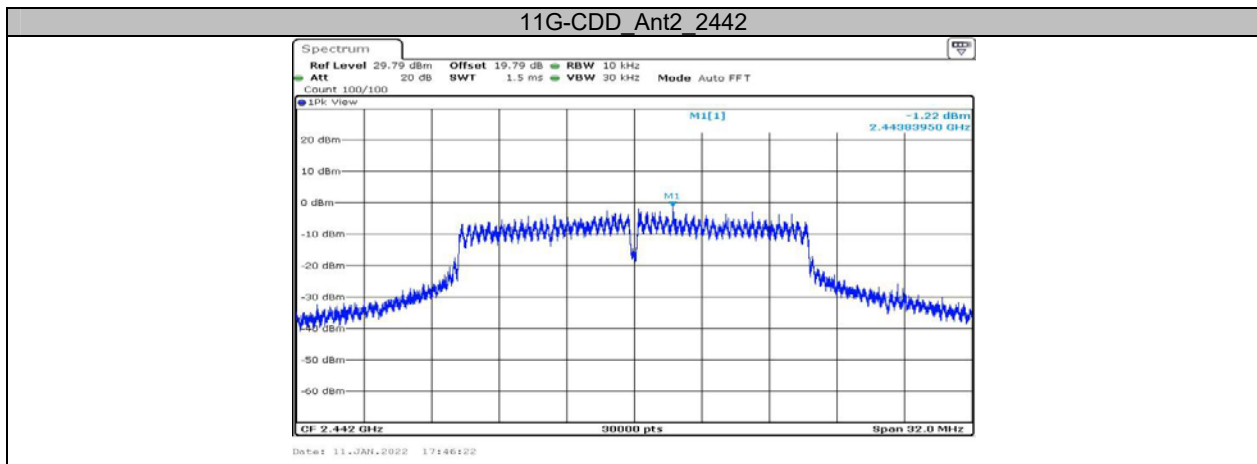
11B-CDD_Ant1_2472

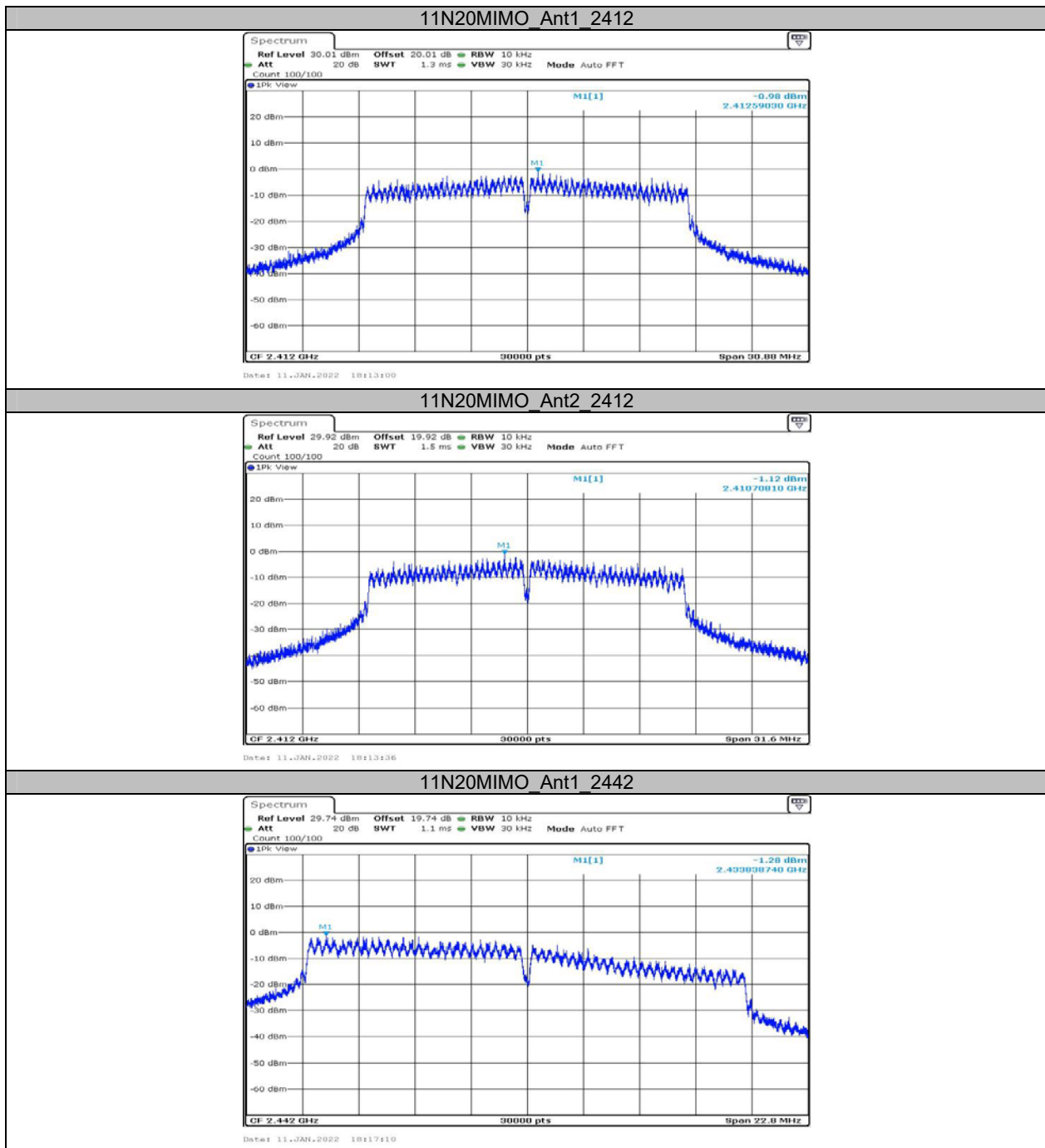


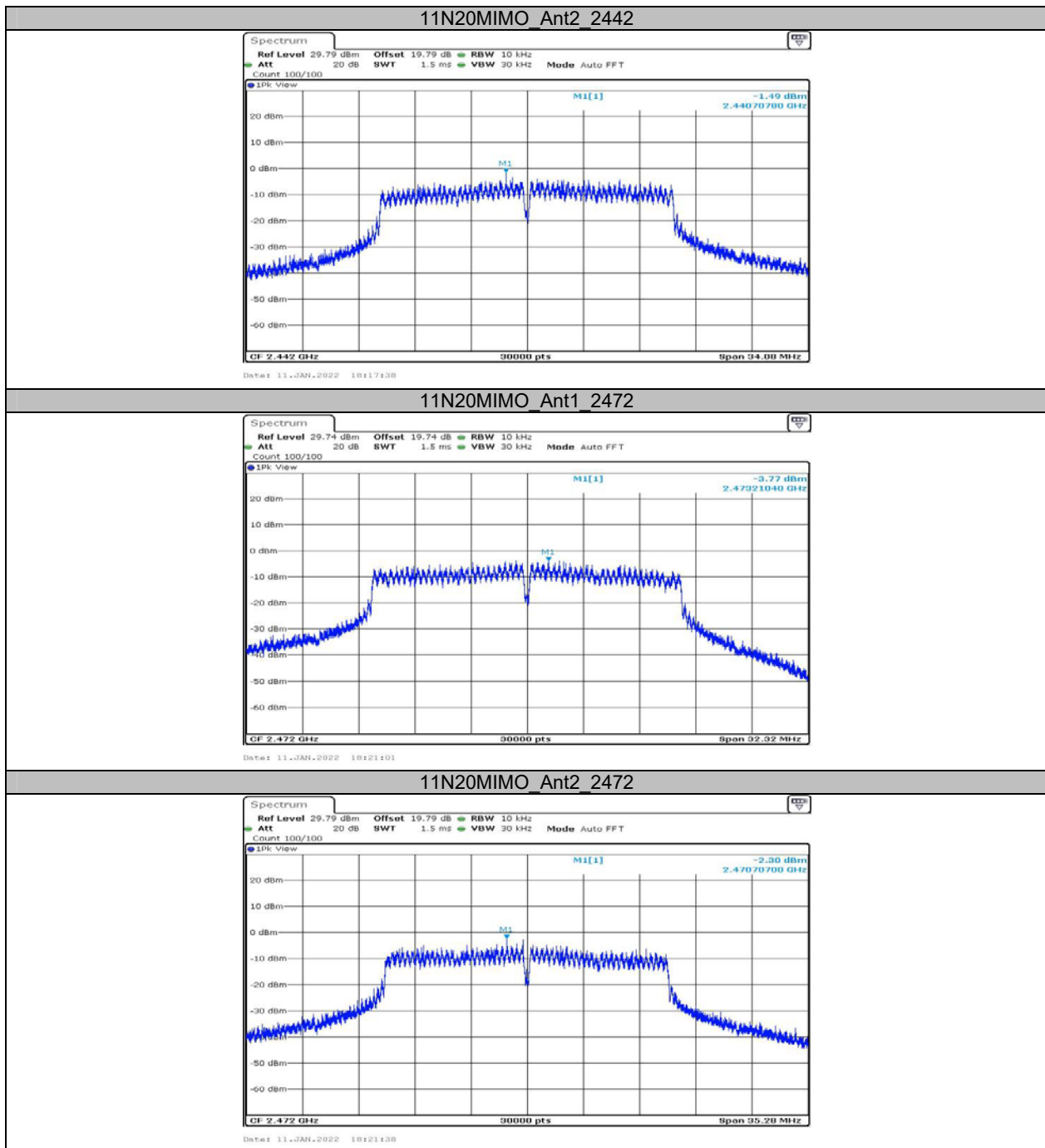
11B-CDD_Ant2_2472

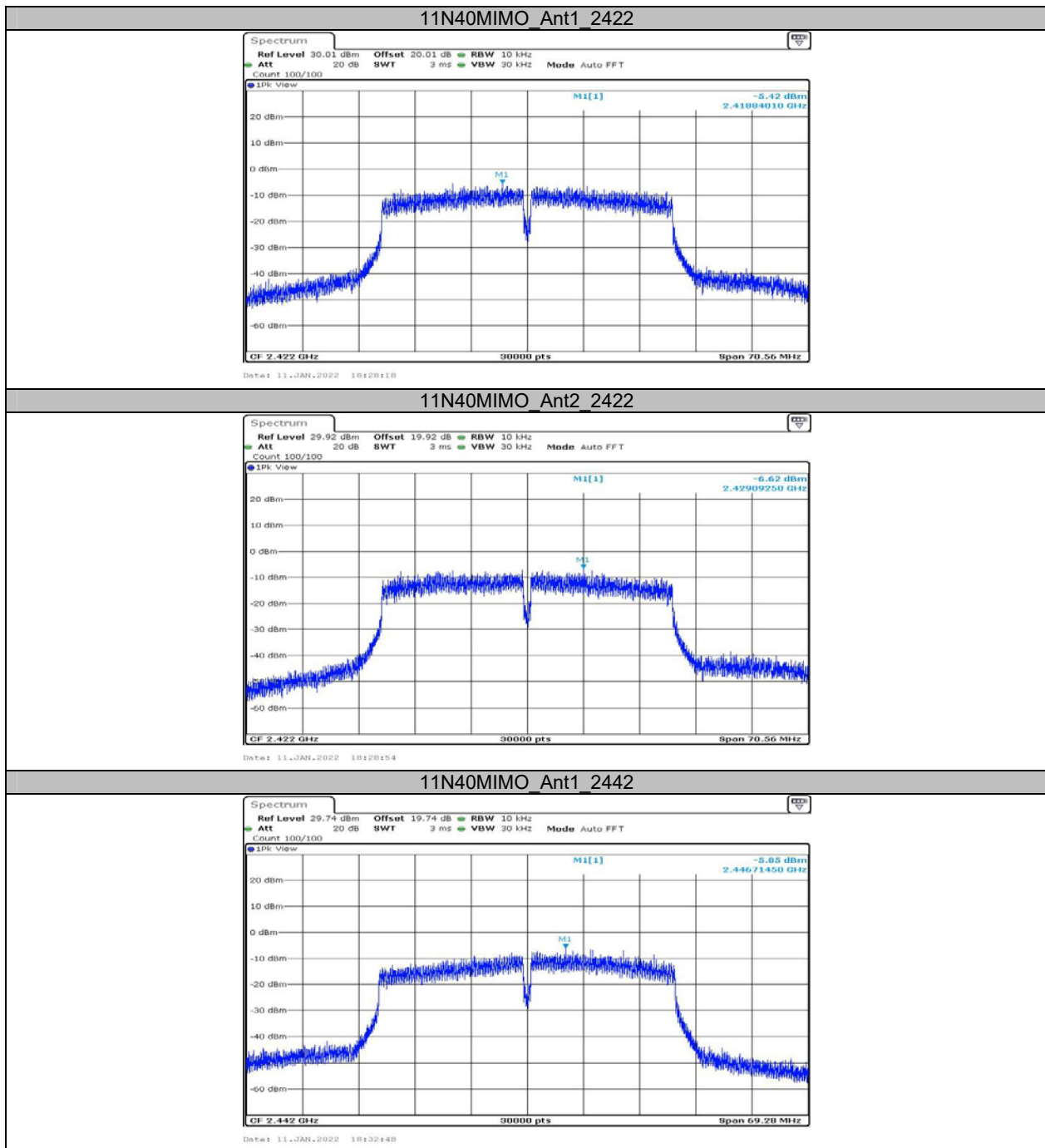


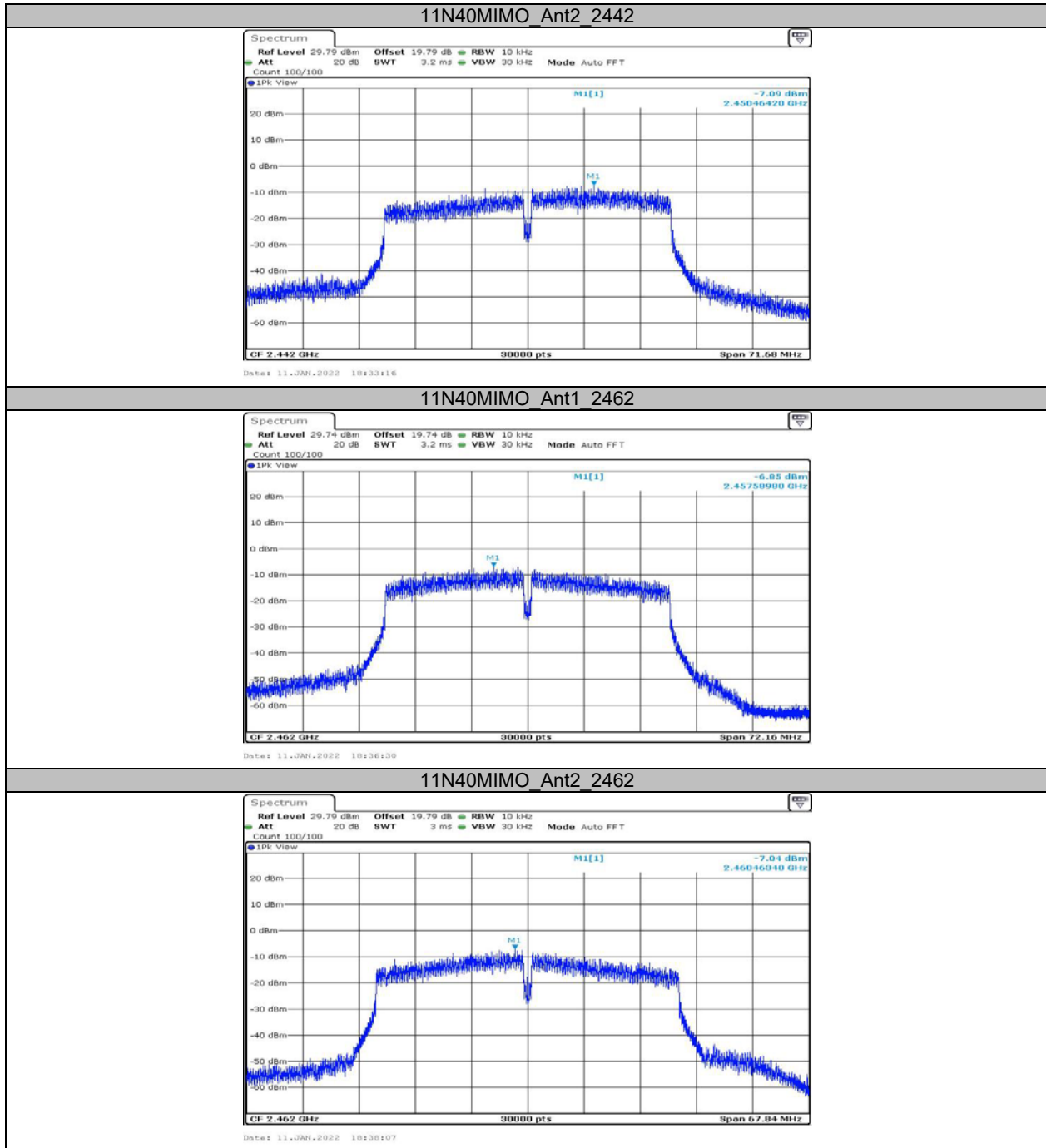


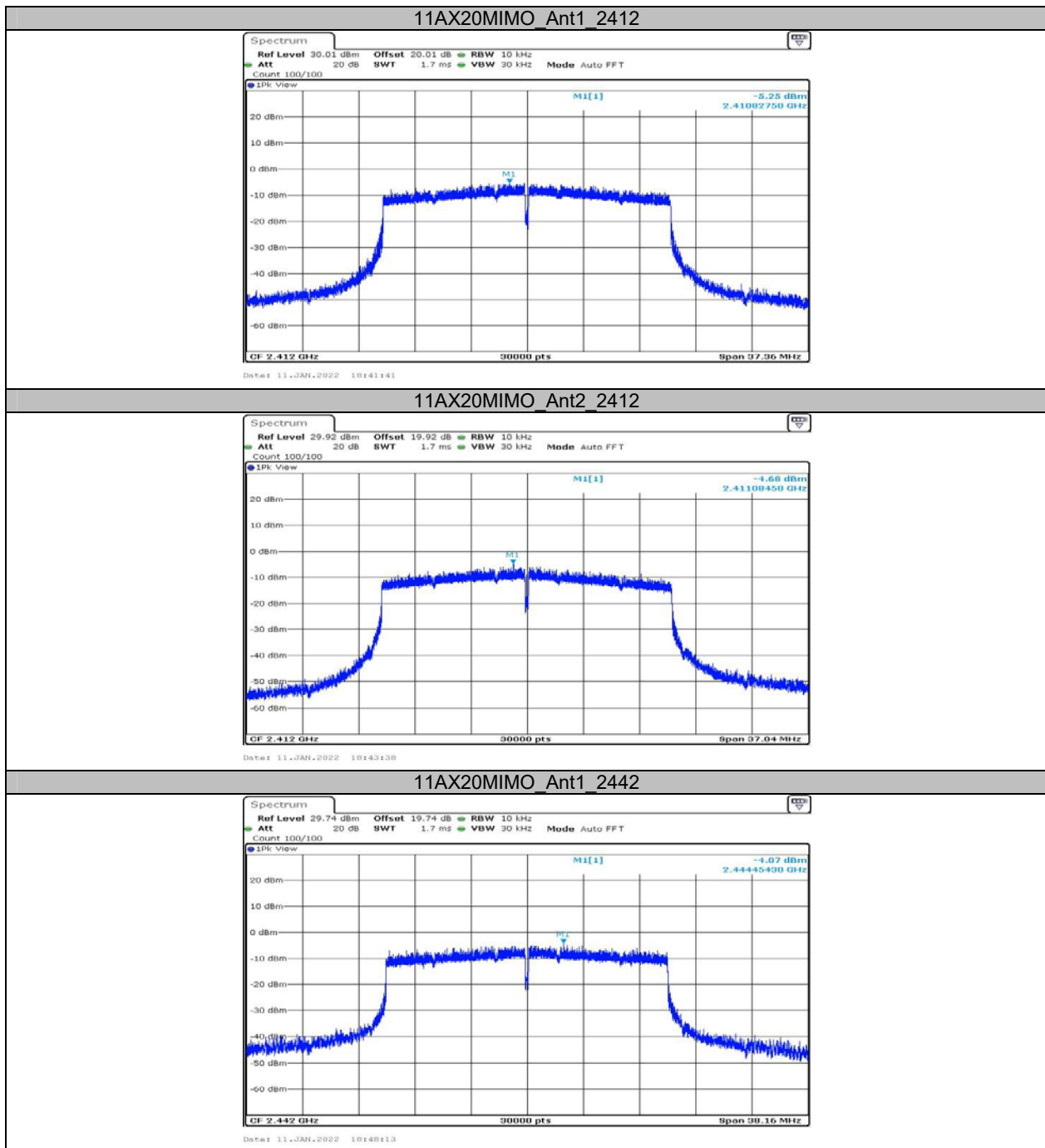


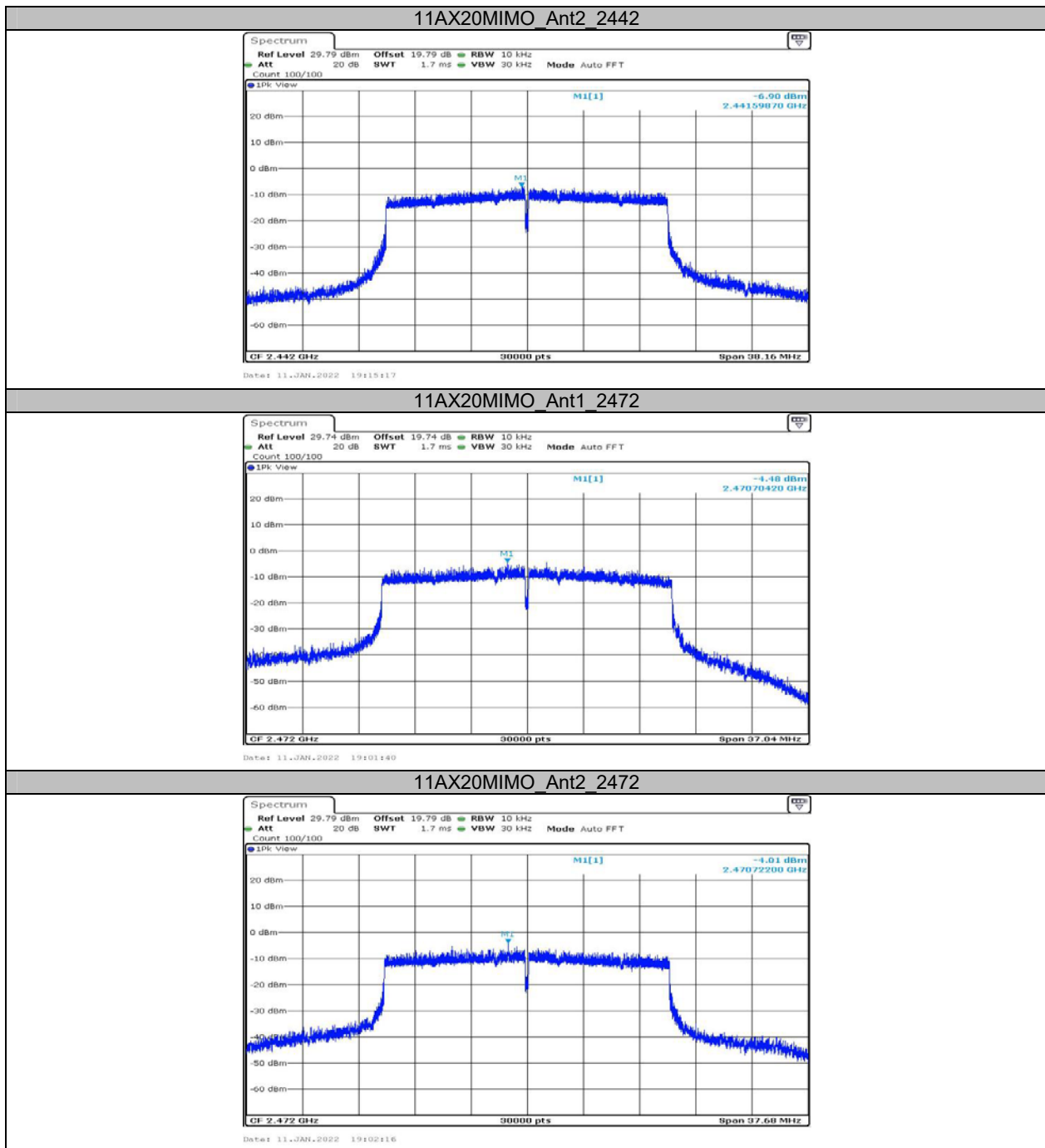




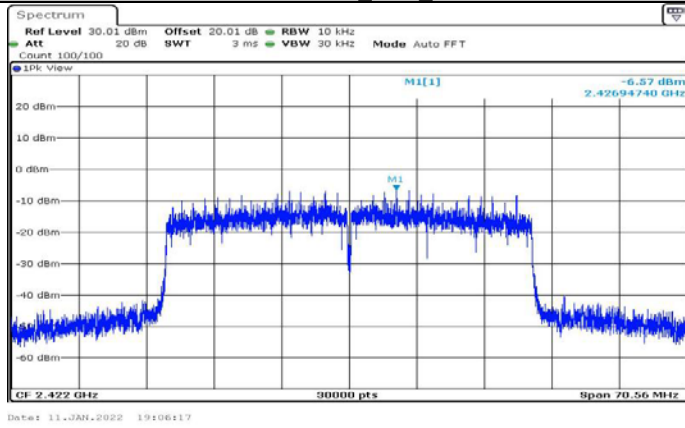




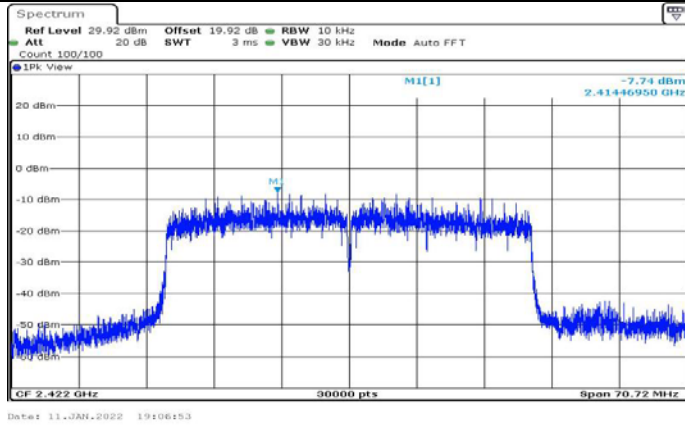




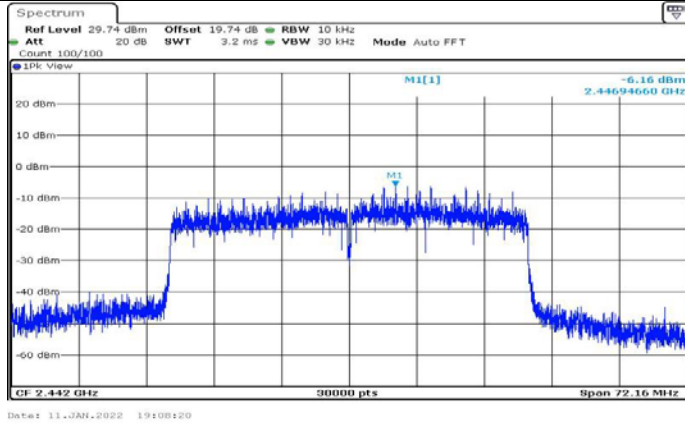
11AX40MIMO_Ant1_2422



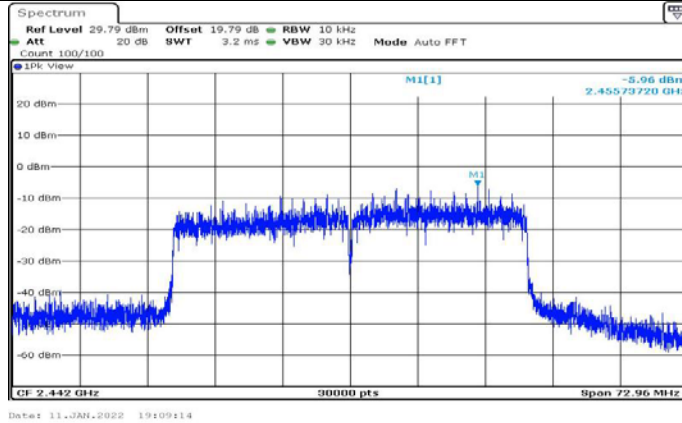
11AX40MIMO_Ant2_2422



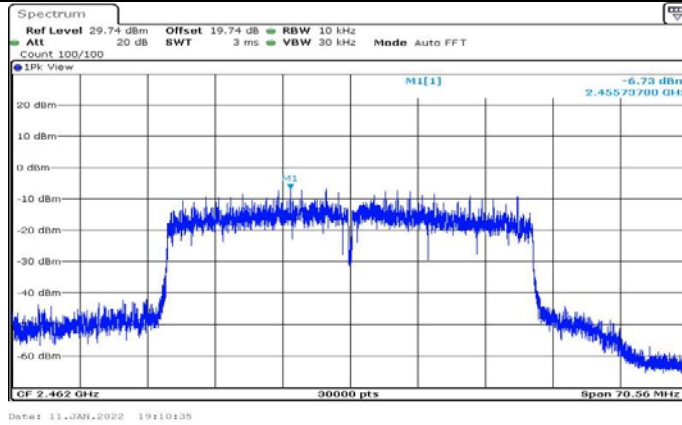
11AX40MIMO_Ant1_2442



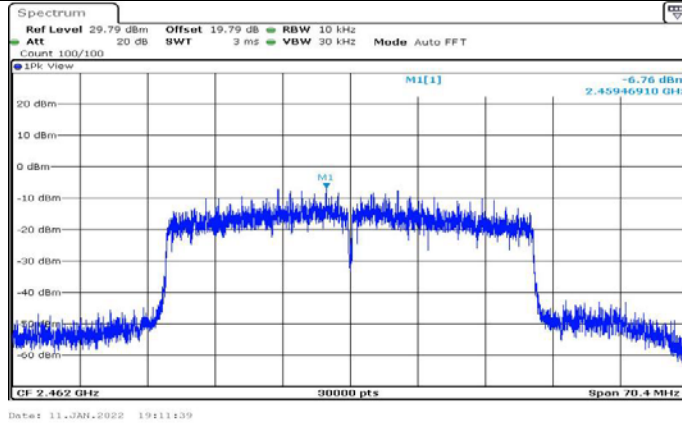
11AX40MIMO_Ant2_2442



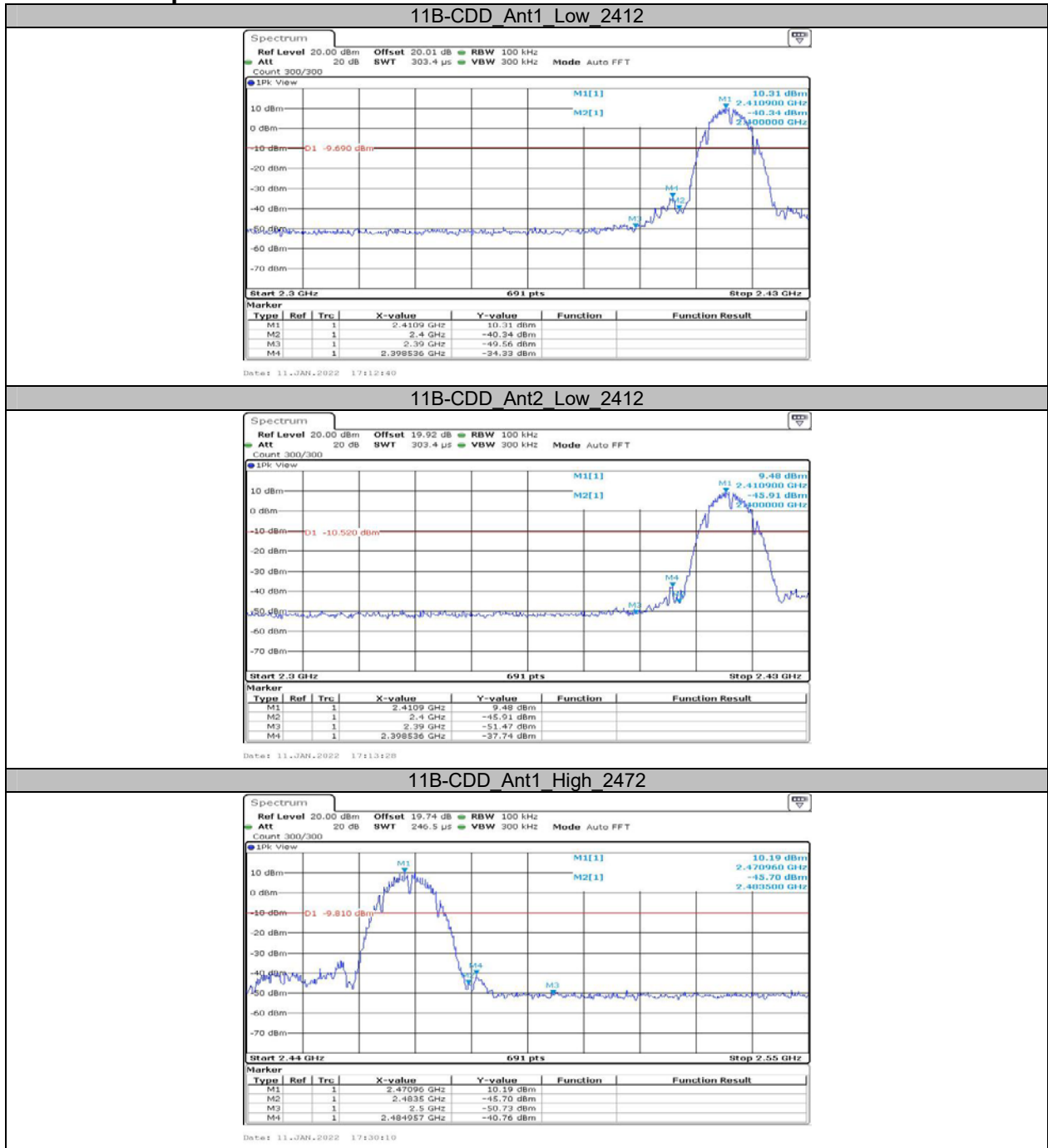
11AX40MIMO_Ant1_2462



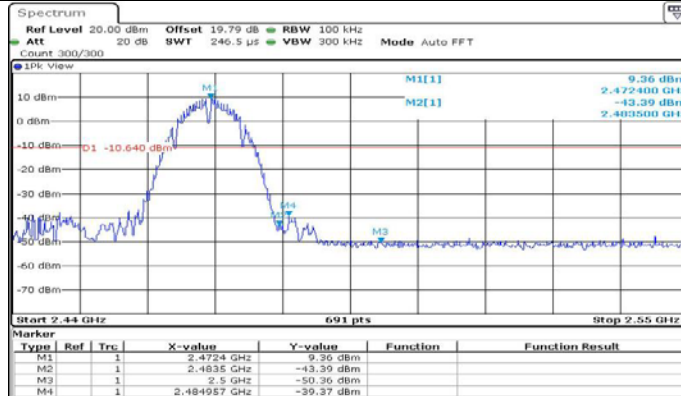
11AX40MIMO_Ant2_2462



Appendix E: Band edge measurements Test Graphs



11B-CDD Ant2 High 2472



Date: 11.JAN.2022 17:30:46

11G-CDD Ant1 Low 2412



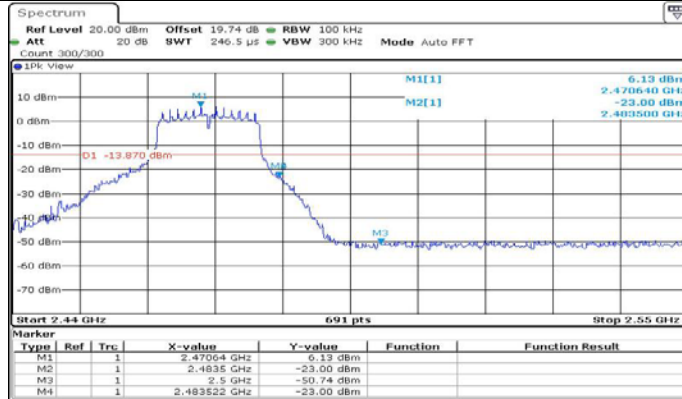
Date: 11.JAN.2022 17:35:10

11G-CDD Ant2 Low 2412



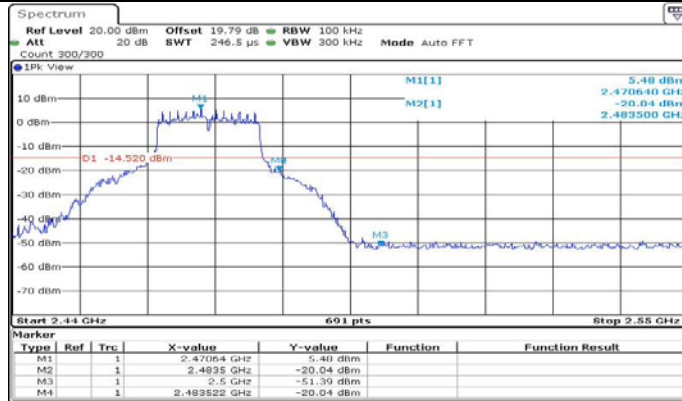
Date: 11.JAN.2022 17:35:54

11G-CDD_Ant1_High_2472



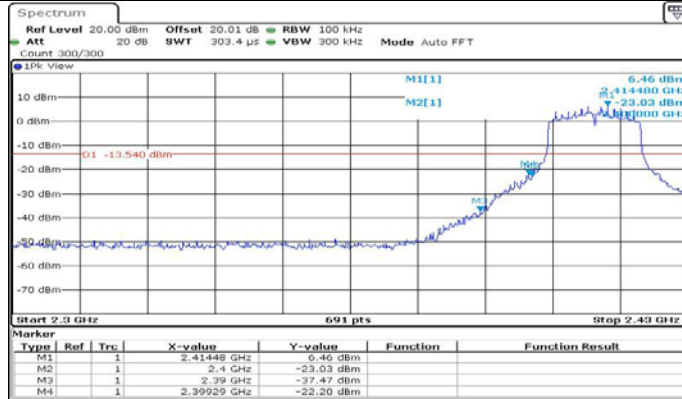
Date: 11.JAN.2022 17:50:51

11G-CDD_Ant2_High_2472

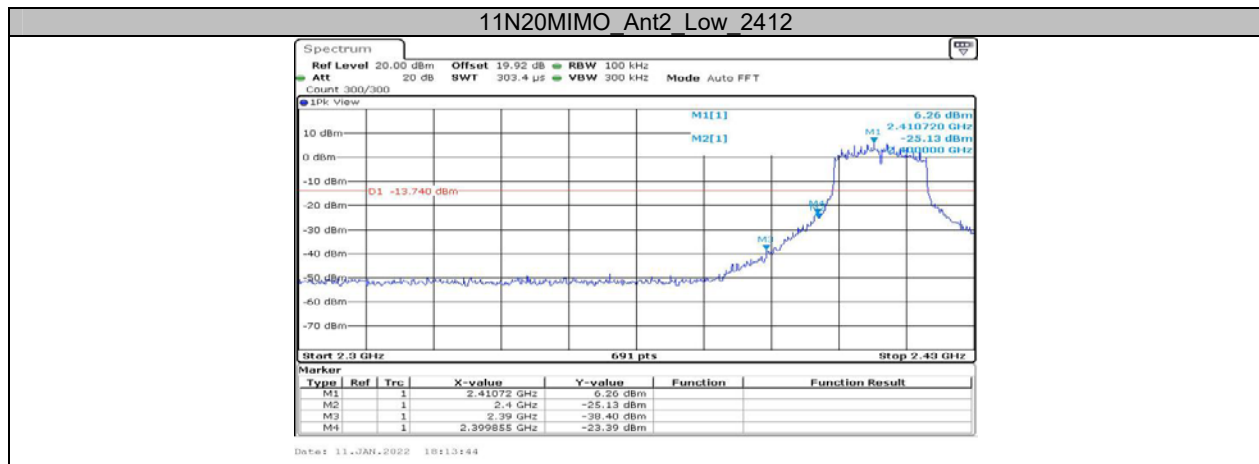


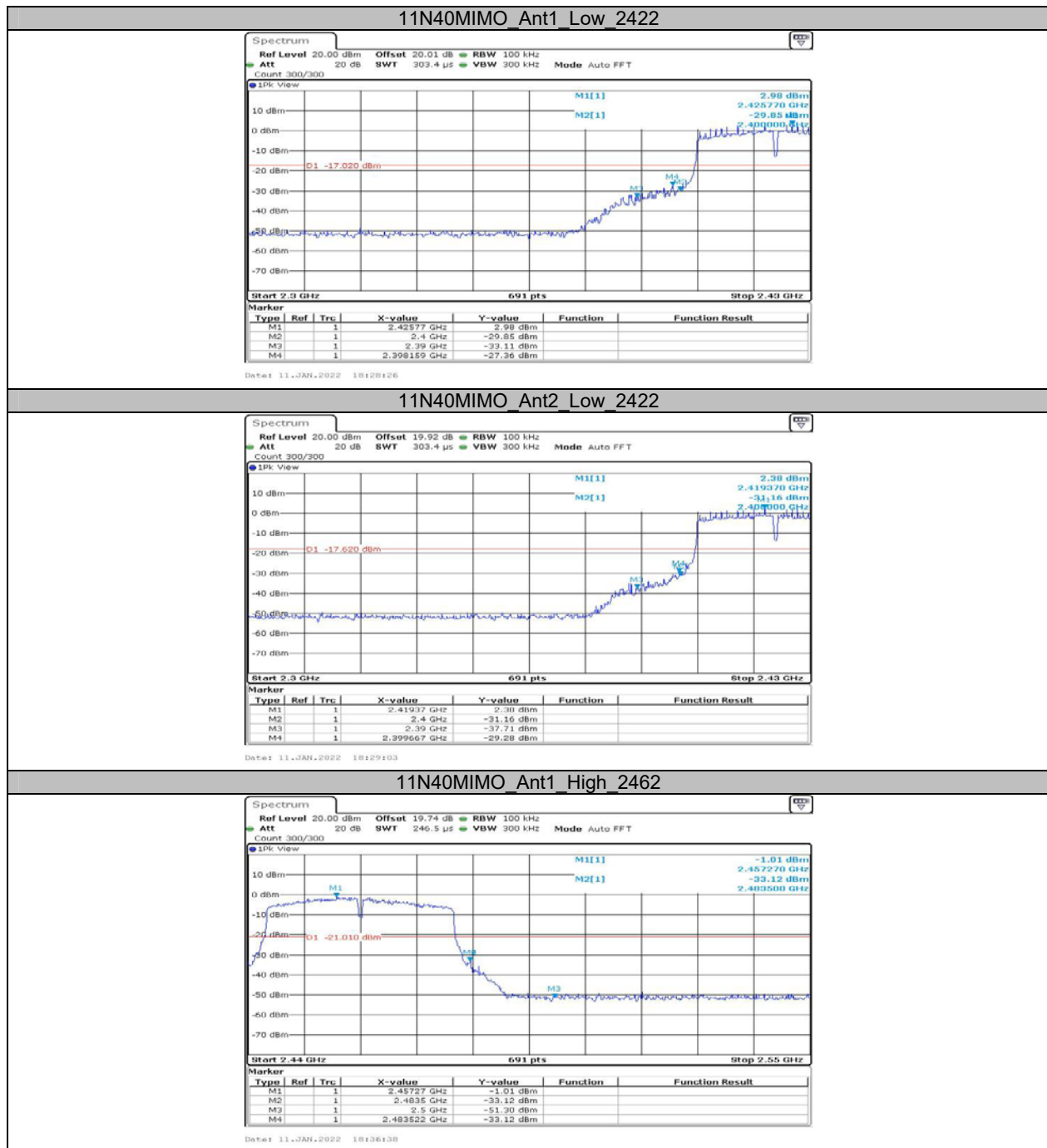
Date: 11.JAN.2022 17:51:27

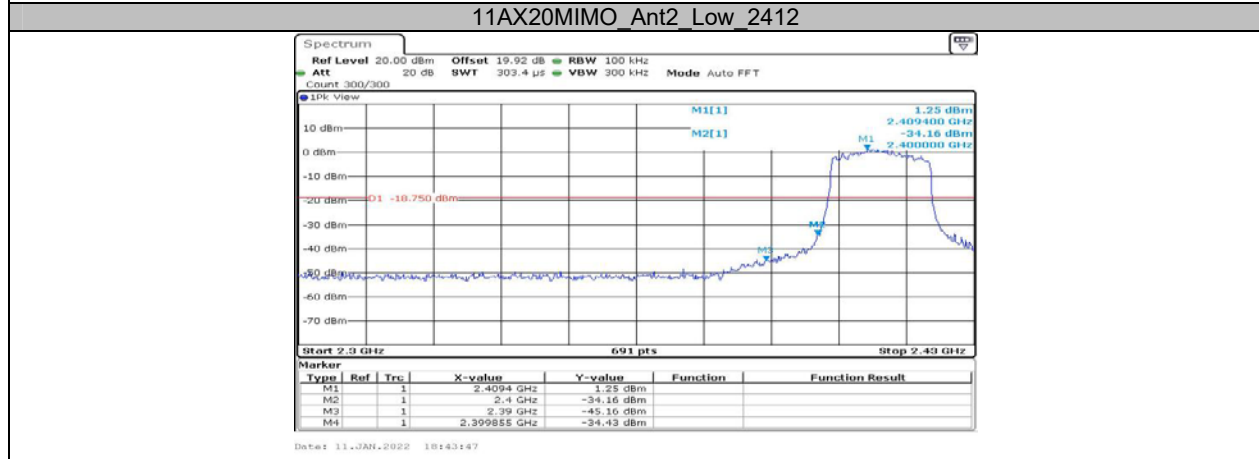
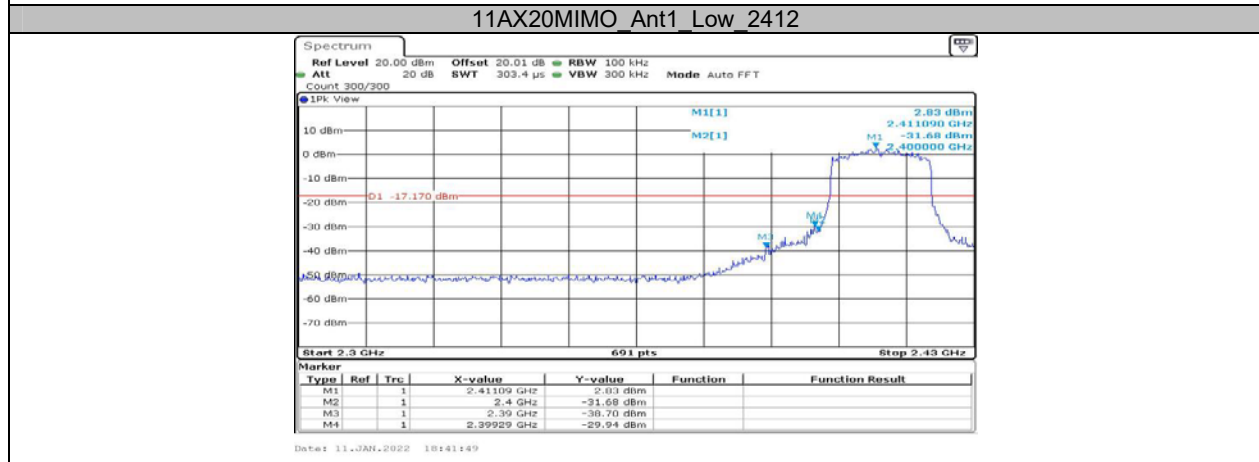
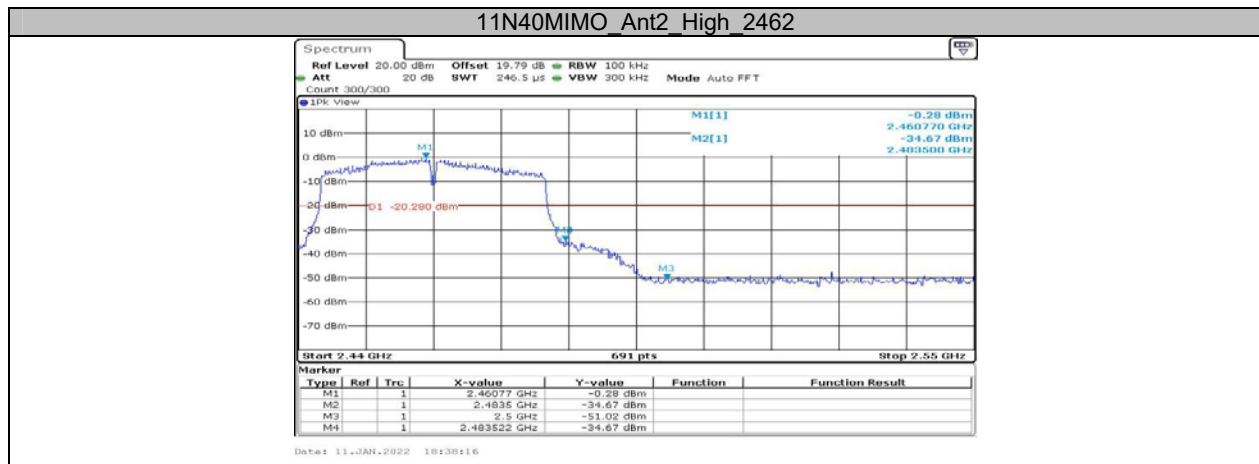
11N20MIMO_Ant1_Low_2412



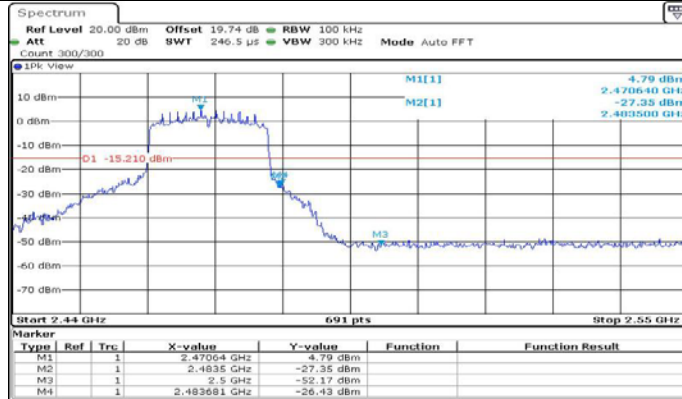
Date: 11.JAN.2022 18:13:08





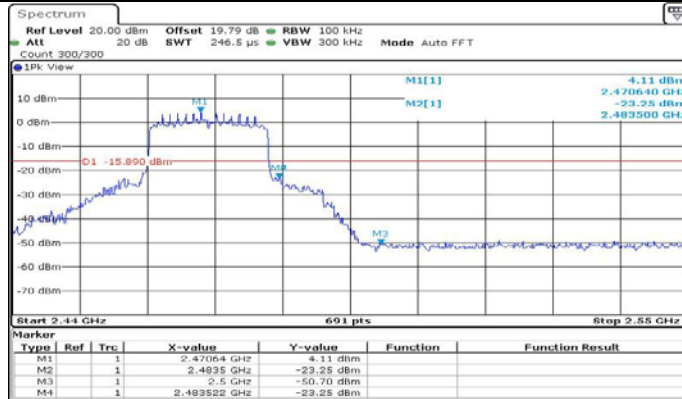


11AX20MIMO Ant1 High 2472



Date: 11.JAN.2022 19:01:49

11AX20MIMO Ant2 High 2472

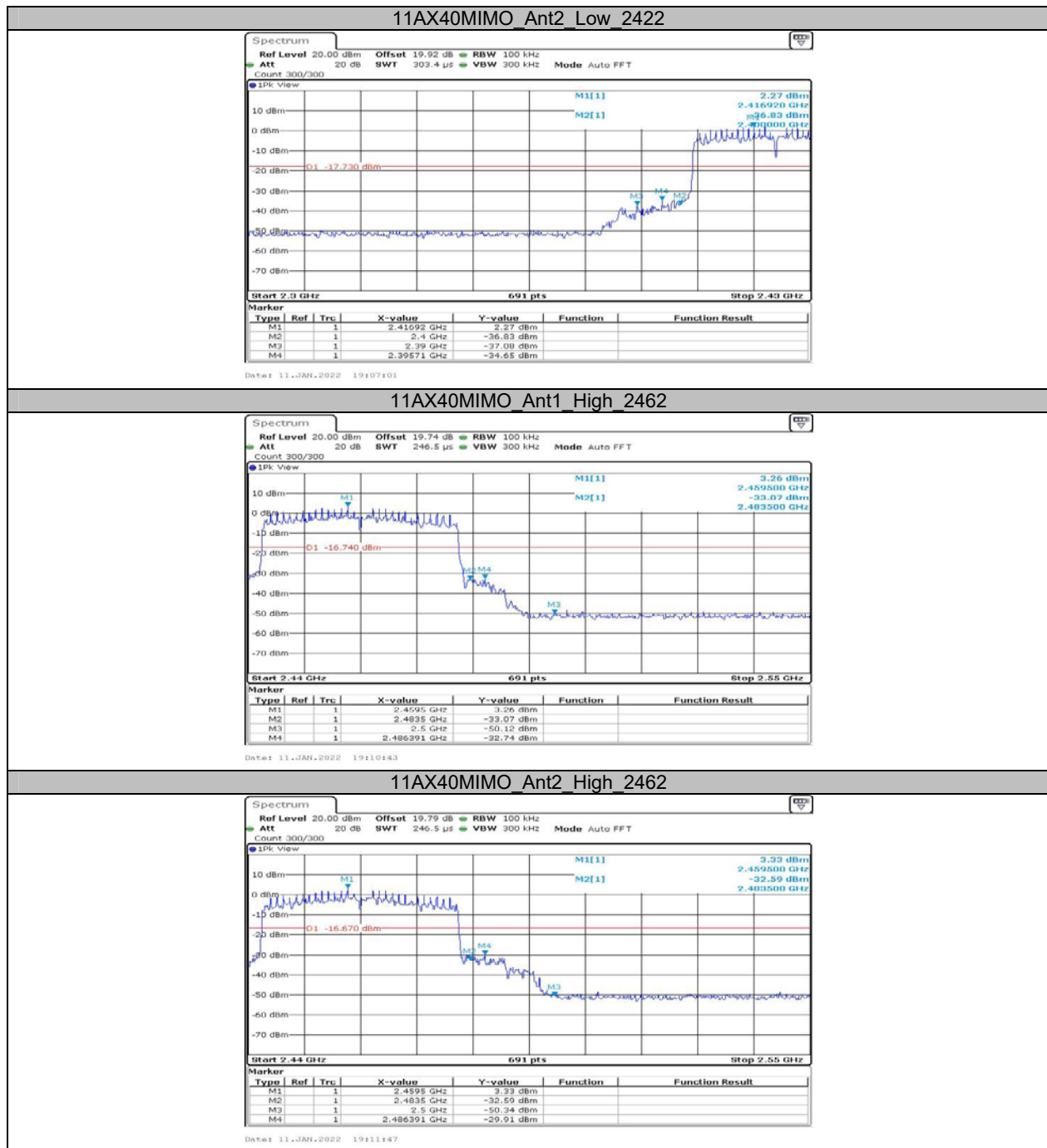


Date: 11.JAN.2022 19:02:25

11AX40MIMO Ant1 Low 2422



Date: 11.JAN.2022 19:06:25



Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B-CDD	Ant1	2412	50.00	50.00	100.00
	Ant2	2412	50.00	50.00	100.00
	Ant1	2442	50.00	50.00	100.00
	Ant2	2442	50.00	50.00	100.00
	Ant1	2472	50.00	50.00	100.00
	Ant2	2472	50.00	50.00	100.00
11G-CDD	Ant1	2412	50.00	50.00	100.00
	Ant2	2412	50.00	50.00	100.00
	Ant1	2442	50.00	50.00	100.00
	Ant2	2442	50.00	50.00	100.00
	Ant1	2472	50.00	50.00	100.00
	Ant2	2472	50.00	50.00	100.00
11N20MIMO	Ant1	2412	50.00	50.00	100.00
	Ant2	2412	50.00	50.00	100.00
	Ant1	2442	50.00	50.00	100.00
	Ant2	2442	50.00	50.00	100.00
	Ant1	2472	50.00	50.00	100.00
	Ant2	2472	50.00	50.00	100.00
11N40MIMO	Ant1	2422	50.00	50.00	100.00
	Ant2	2422	50.00	50.00	100.00
	Ant1	2442	50.00	50.00	100.00
	Ant2	2442	50.00	50.00	100.00
	Ant1	2462	50.00	50.00	100.00
	Ant2	2462	50.00	50.00	100.00
11AX20MIMO	Ant1	2412	50.00	50.00	100.00
	Ant2	2412	50.00	50.00	100.00
	Ant1	2442	50.00	50.00	100.00
	Ant2	2442	50.00	50.00	100.00
	Ant1	2472	50.00	50.00	100.00
	Ant2	2472	50.00	50.00	100.00
11AX40MIMO	Ant1	2422	0.07	0.21	33.33
	Ant2	2422	0.06	0.21	28.57
	Ant1	2442	0.06	0.21	28.57
	Ant2	2442	0.06	0.21	28.57
	Ant1	2462	0.06	0.21	28.57
	Ant2	2462	0.07	0.21	33.33

Test Graphs

