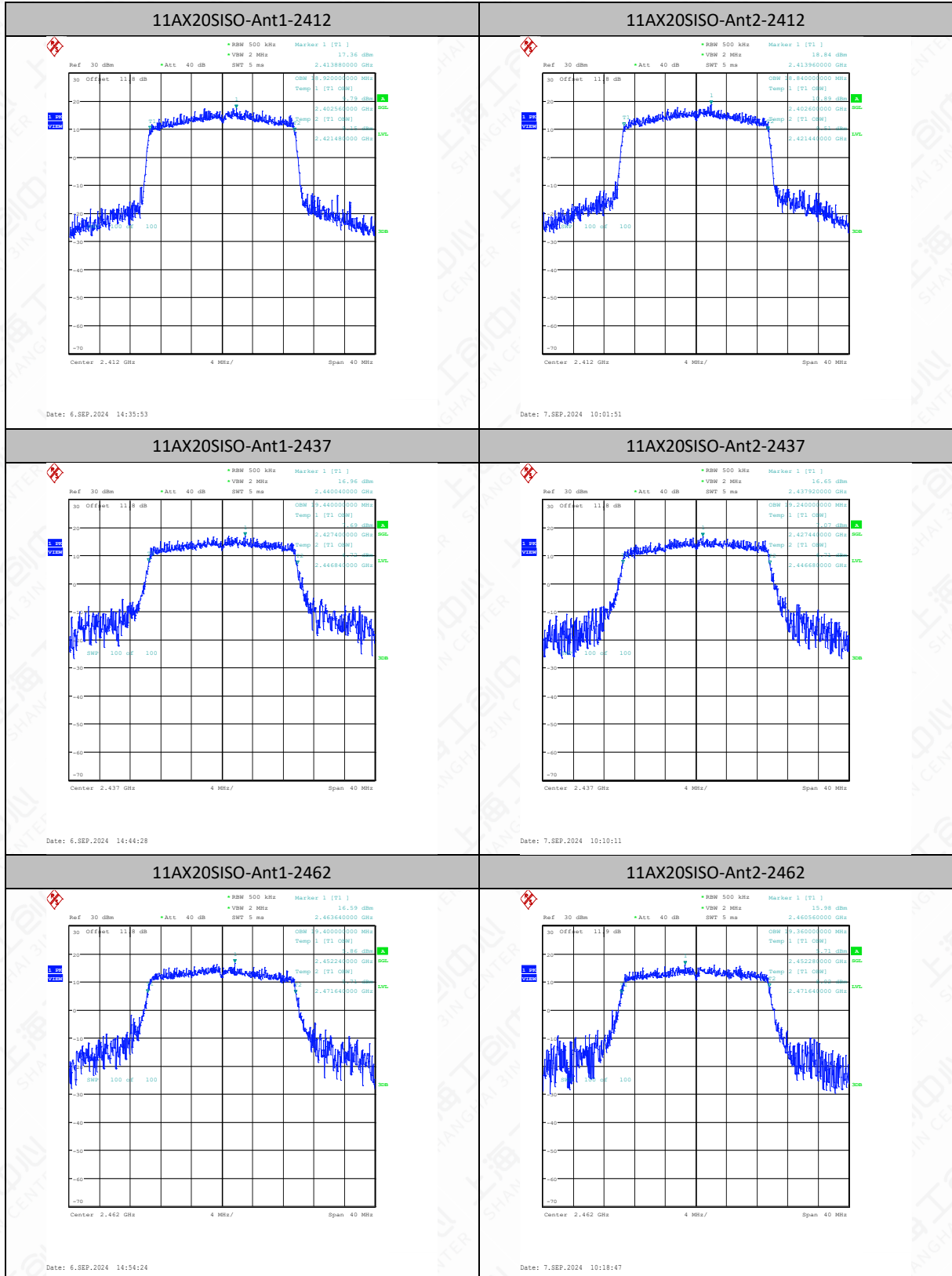
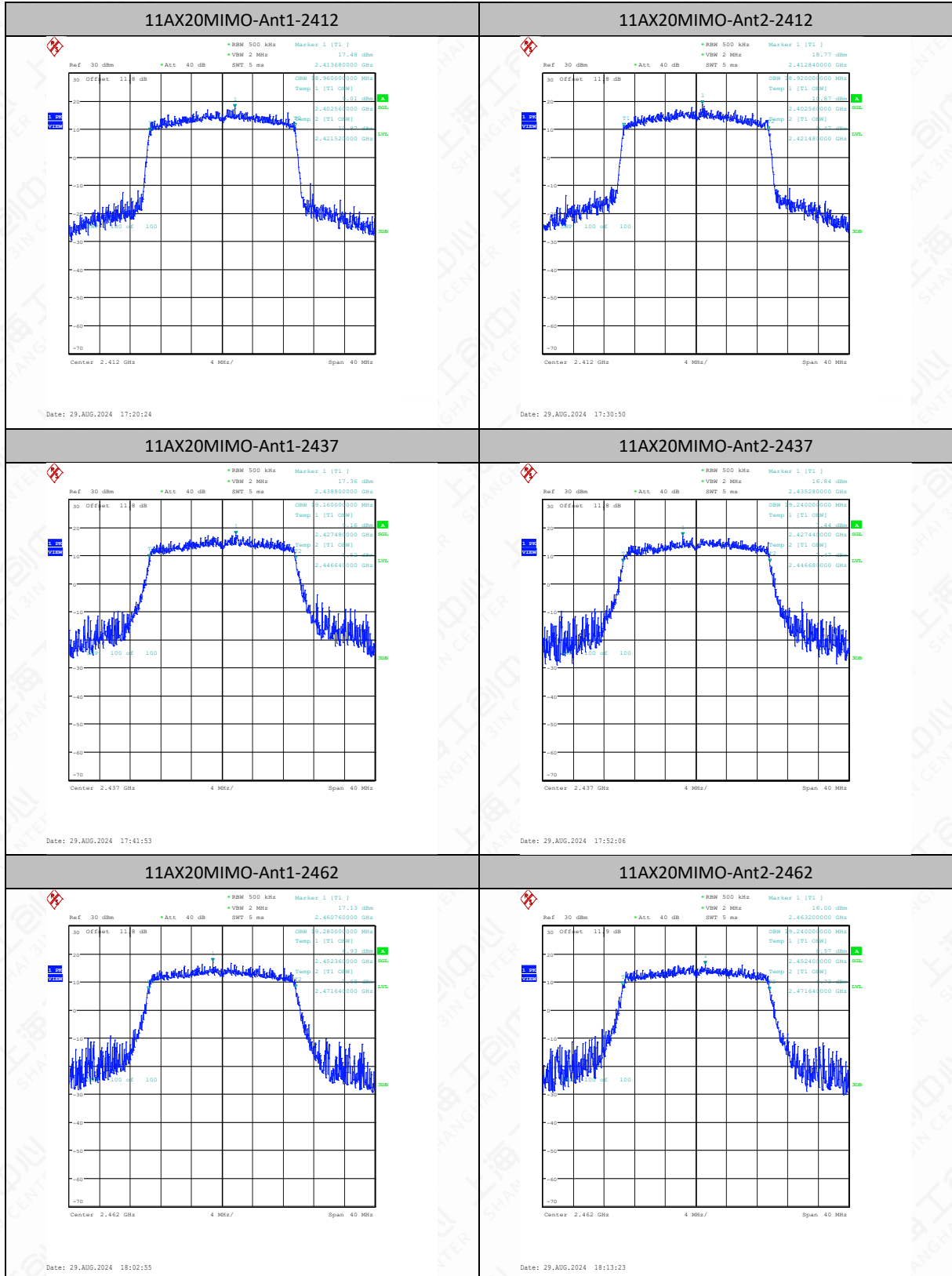
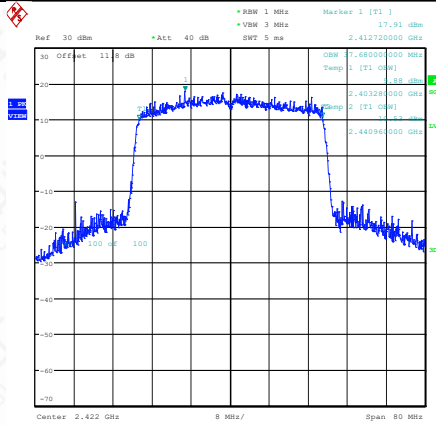




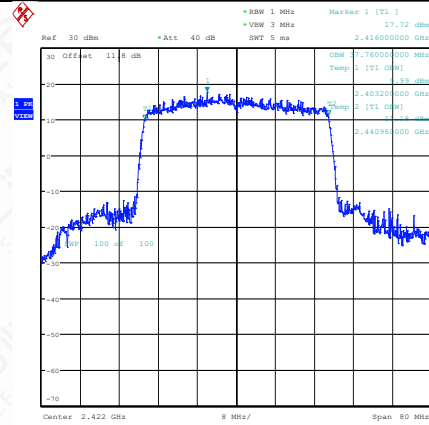


11AX40SISO-Ant1-2422



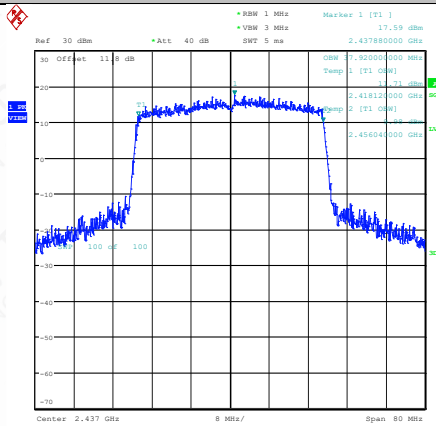
Date: 6.SEP.2024 15:07:02

11AX40SISO-Ant2-2422



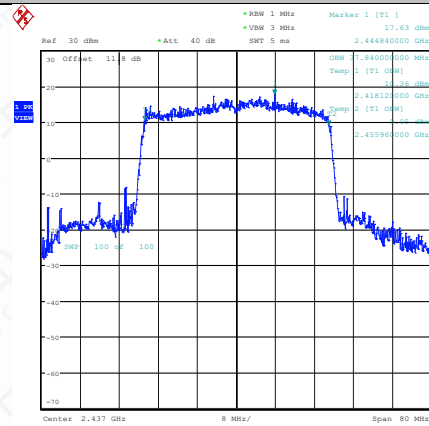
Date: 7.SEP.2024 10:27:43

11AX40SISO-Ant1-2437



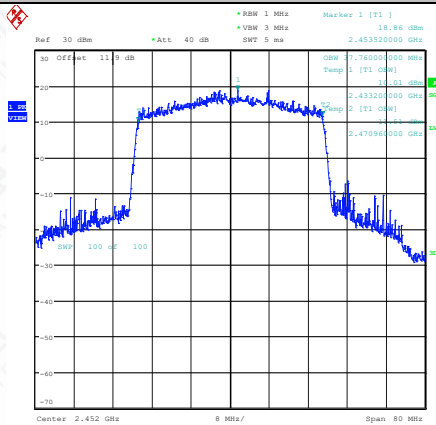
Date: 6.SEP.2024 15:26:40

11AX40SISO-Ant2-2437



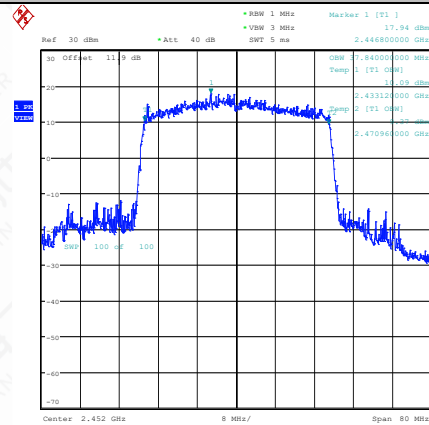
Date: 7.SEP.2024 10:50:22

11AX40SISO-Ant1-2452



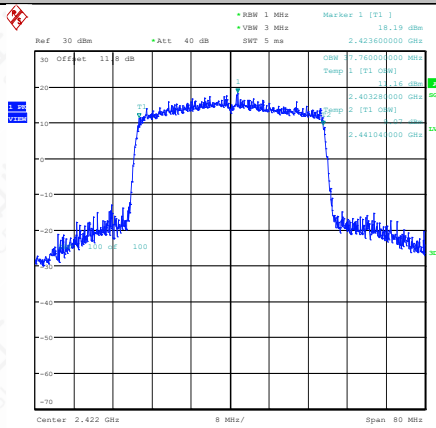
Date: 6.SEP.2024 15:42:24

11AX40SISO-Ant2-2452



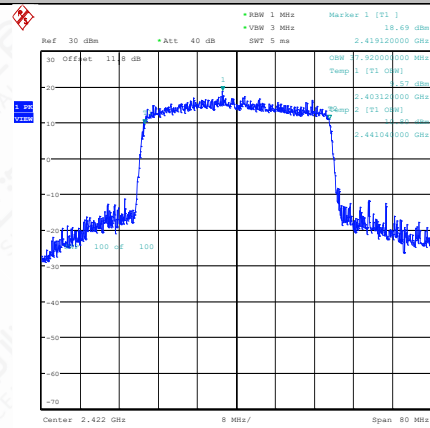
Date: 7.SEP.2024 11:15:13

11AX40MIMO-Ant1-2422



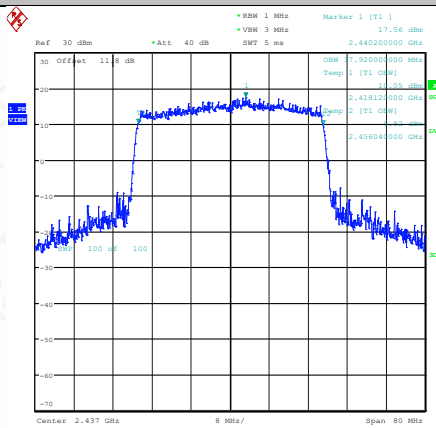
Date: 30.AUG.2024 10:20:30

11AX40MIMO-Ant2-2422



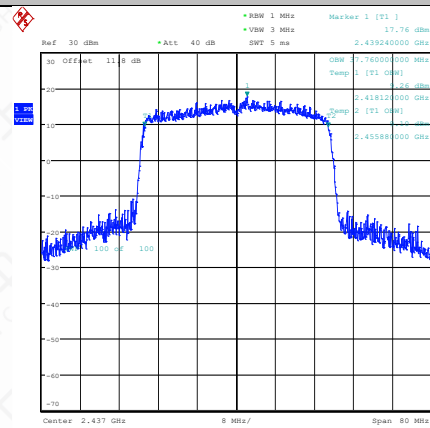
Date: 30.AUG.2024 10:37:45

11AX40MIMO-Ant1-2437



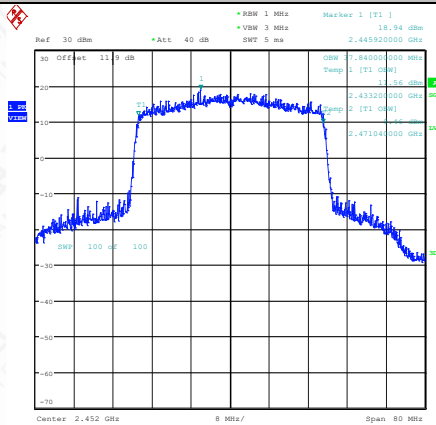
Date: 30.AUG.2024 11:01:18

11AX40MIMO-Ant2-2437



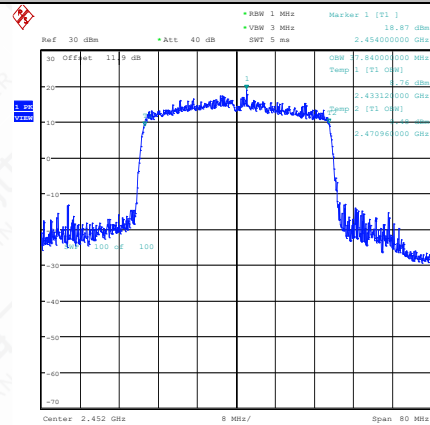
Date: 30.AUG.2024 11:18:41

11AX40MIMO-Ant1-2452



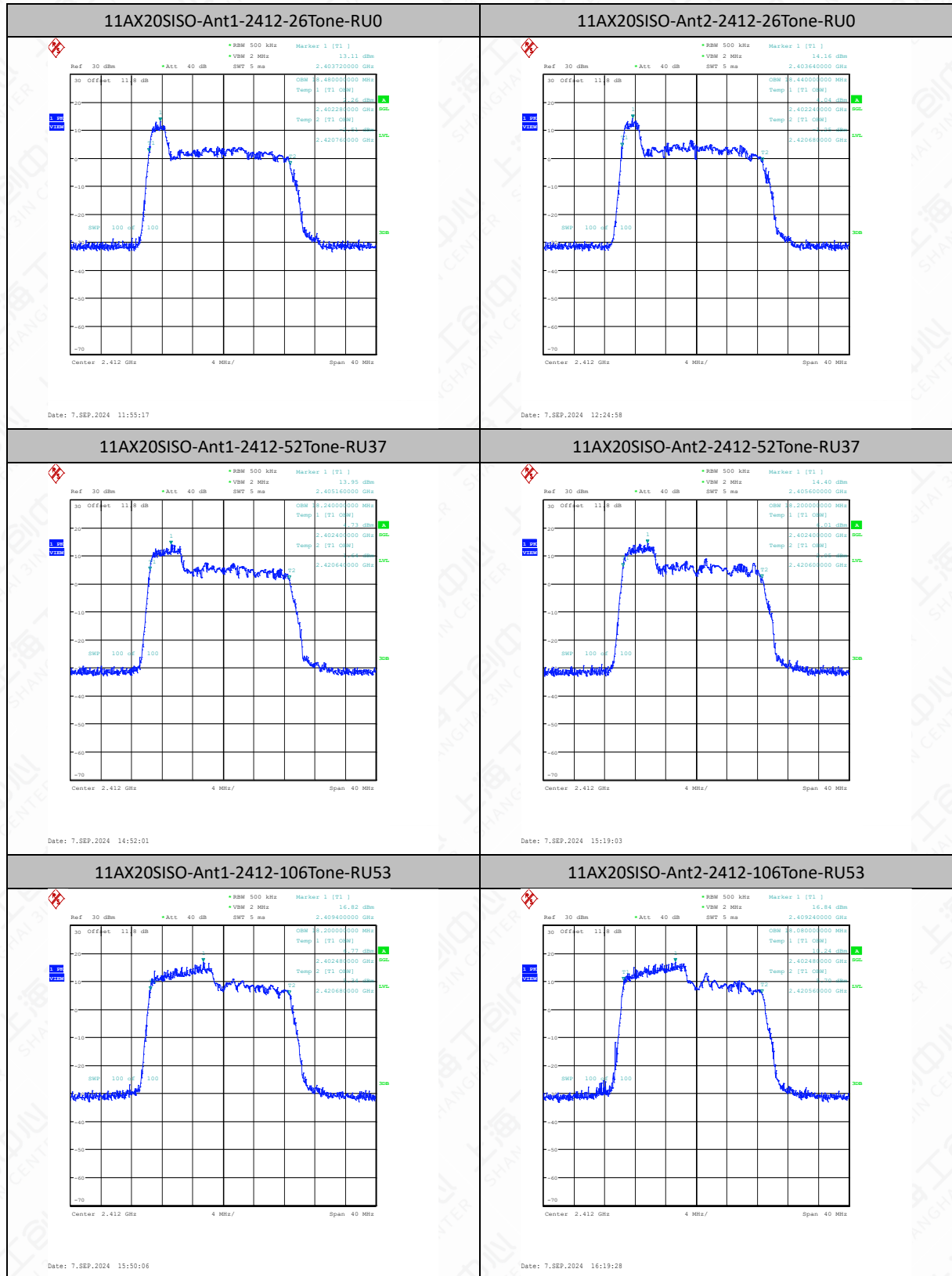
Date: 30.AUG.2024 11:36:03

11AX40MIMO-Ant2-2452

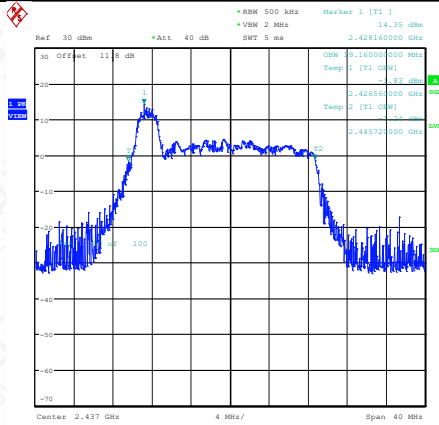


Date: 30.AUG.2024 11:53:37

AX Part RU_Multi-User Test Graph

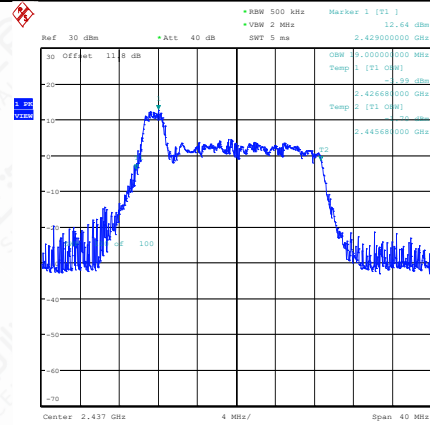


11AX20SISO-Ant1-2437-26Tone-RU0



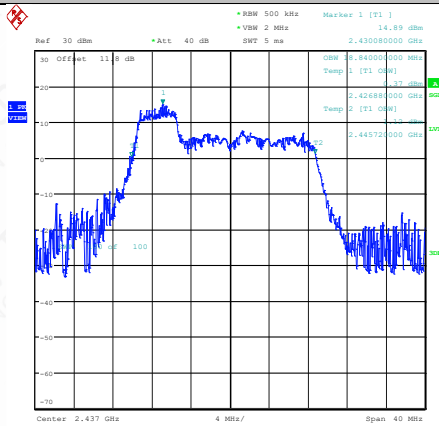
Date: 7,SEP,2024 12:05:39

11AX20SISO-Ant2-2437-26Tone-RU0



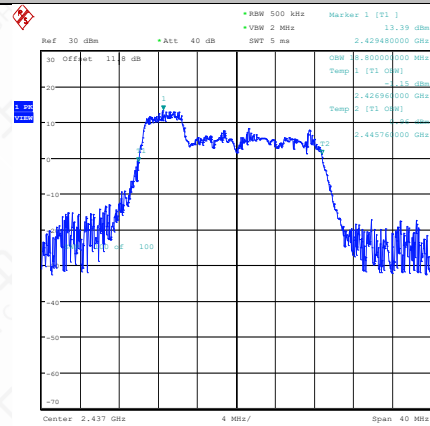
Date: 7,SEP,2024 14:33:08

11AX20SISO-Ant1-2437-52Tone-RU37



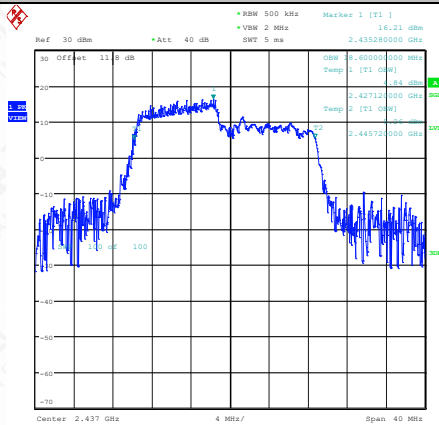
Date: 7,SEP,2024 15:00:38

11AX20SISO-Ant2-2437-52Tone-RU37



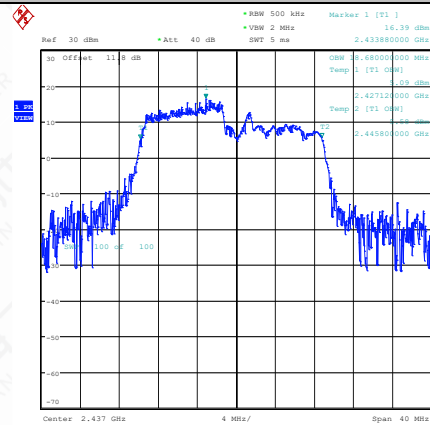
Date: 7,SEP,2024 15:27:47

11AX20SISO-Ant1-2437-106Tone-RU53

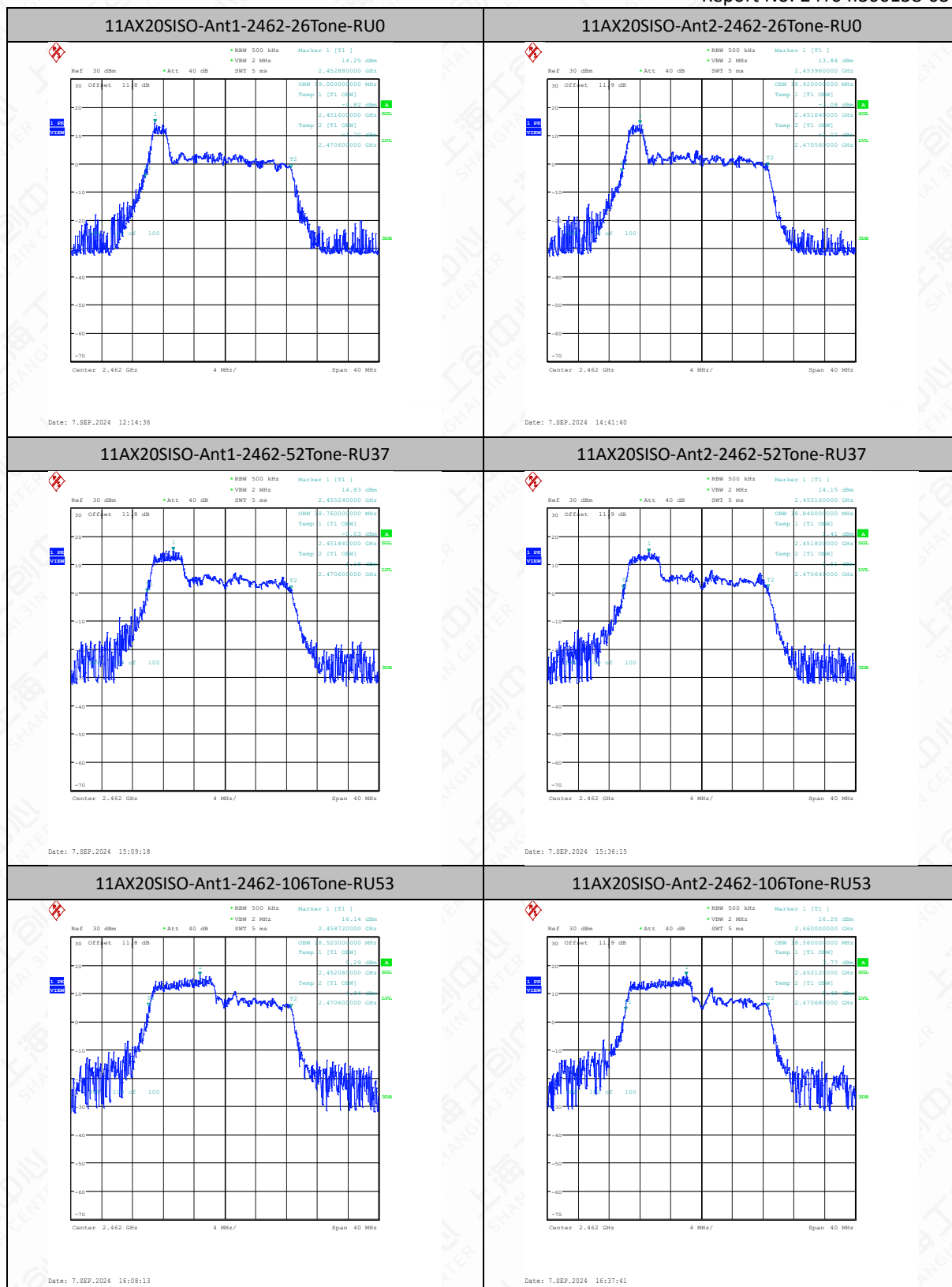


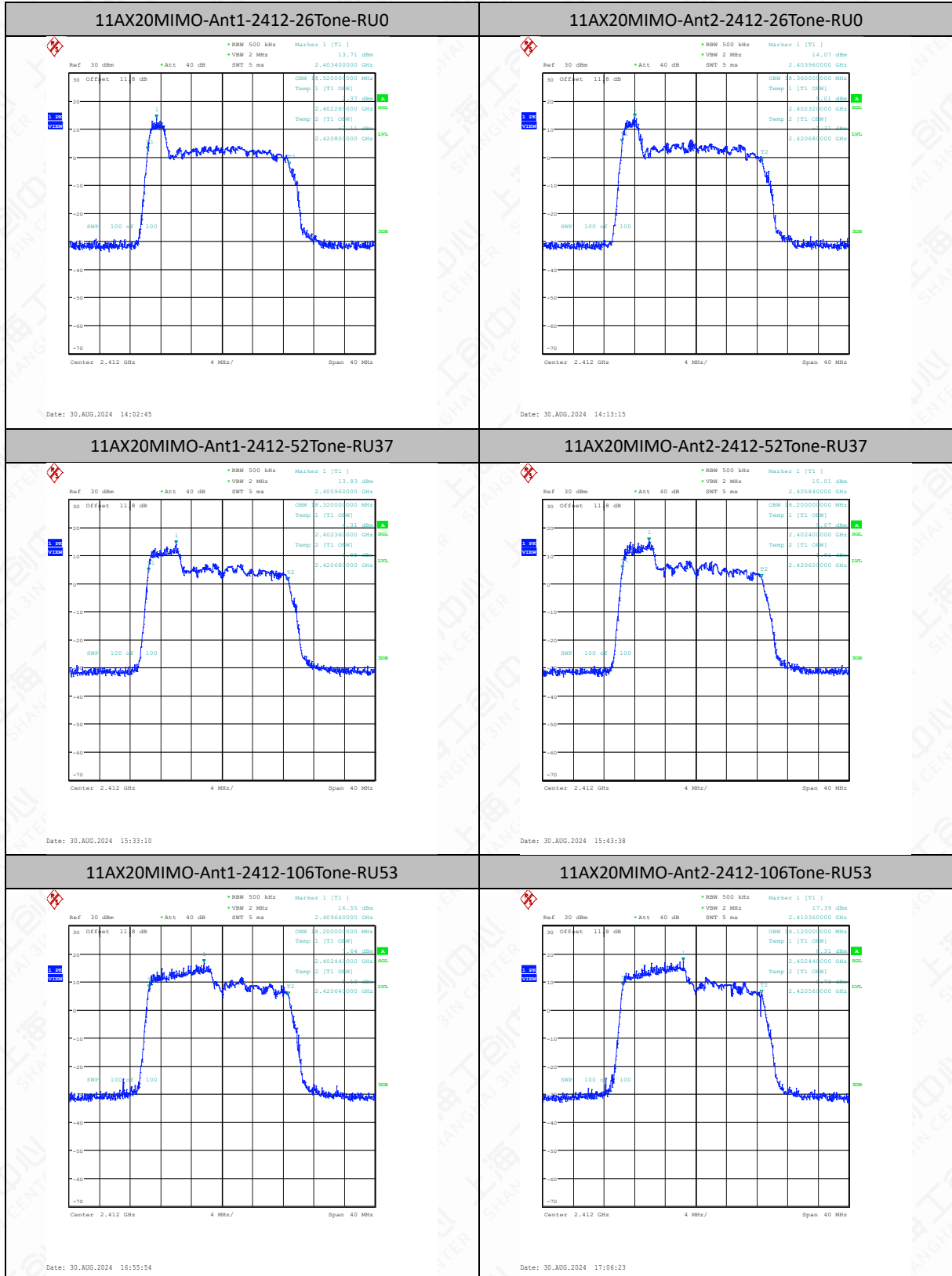
Date: 7,SEP,2024 15:58:35

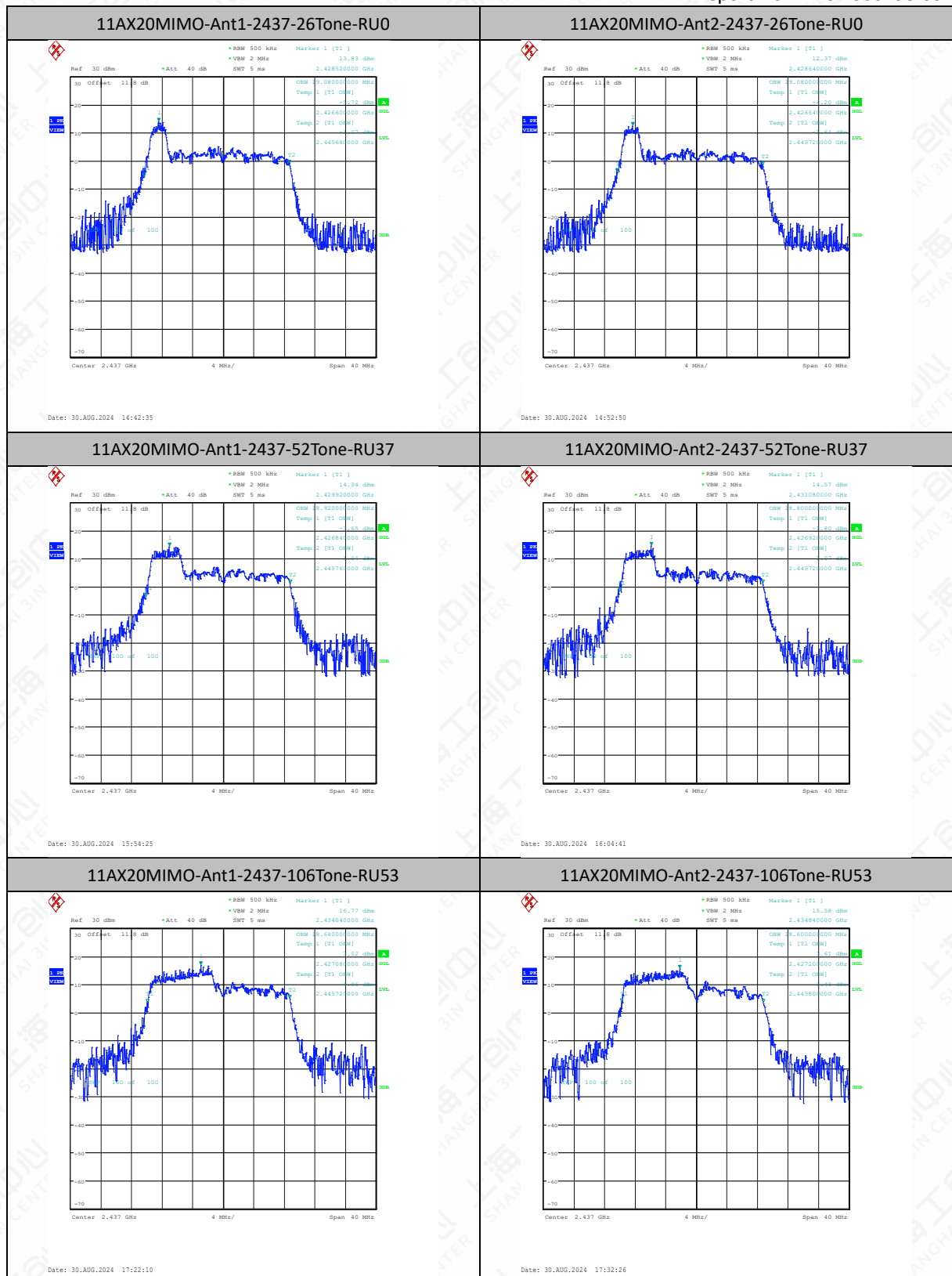
11AX20SISO-Ant2-2437-106Tone-RU53

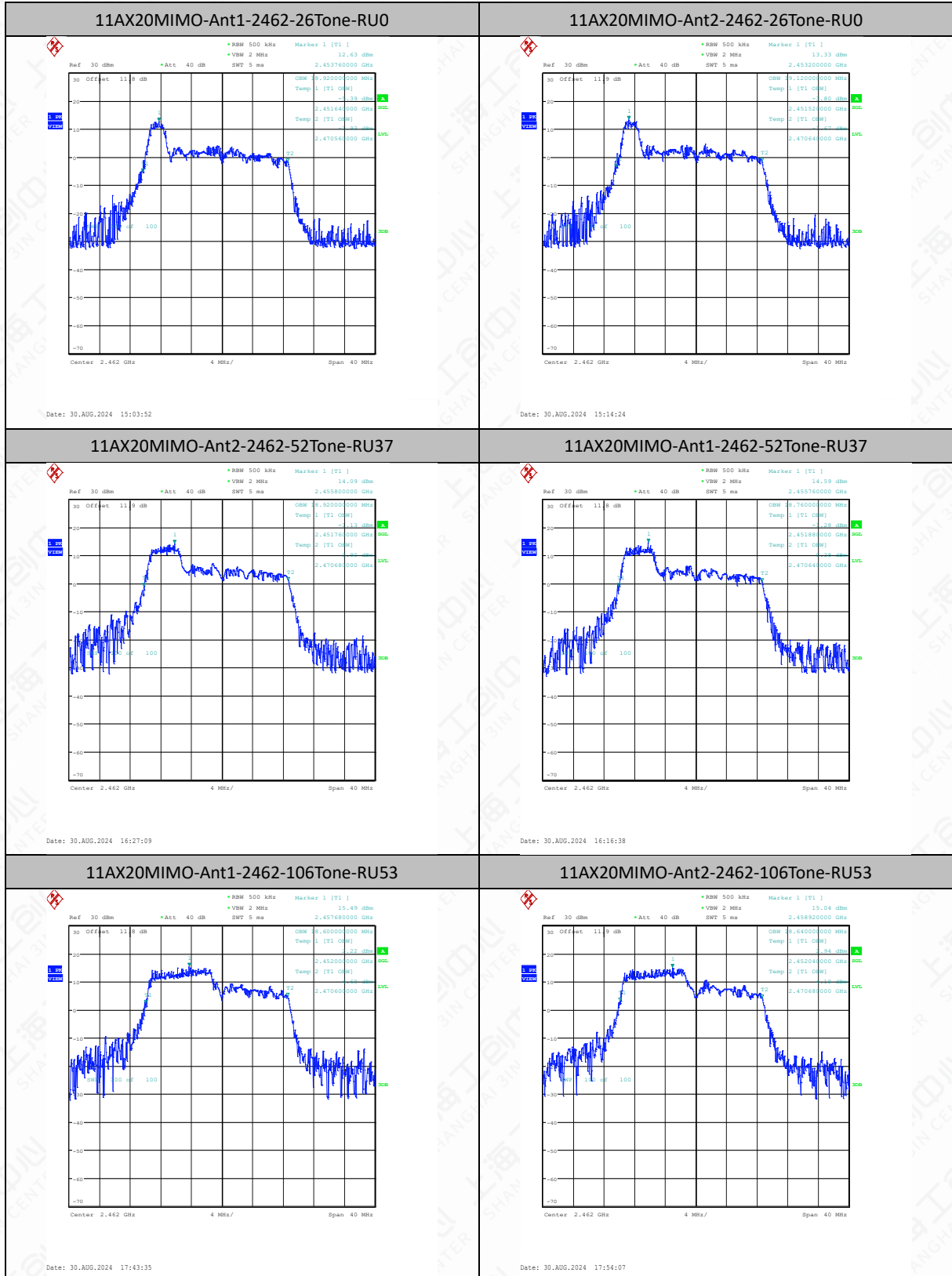


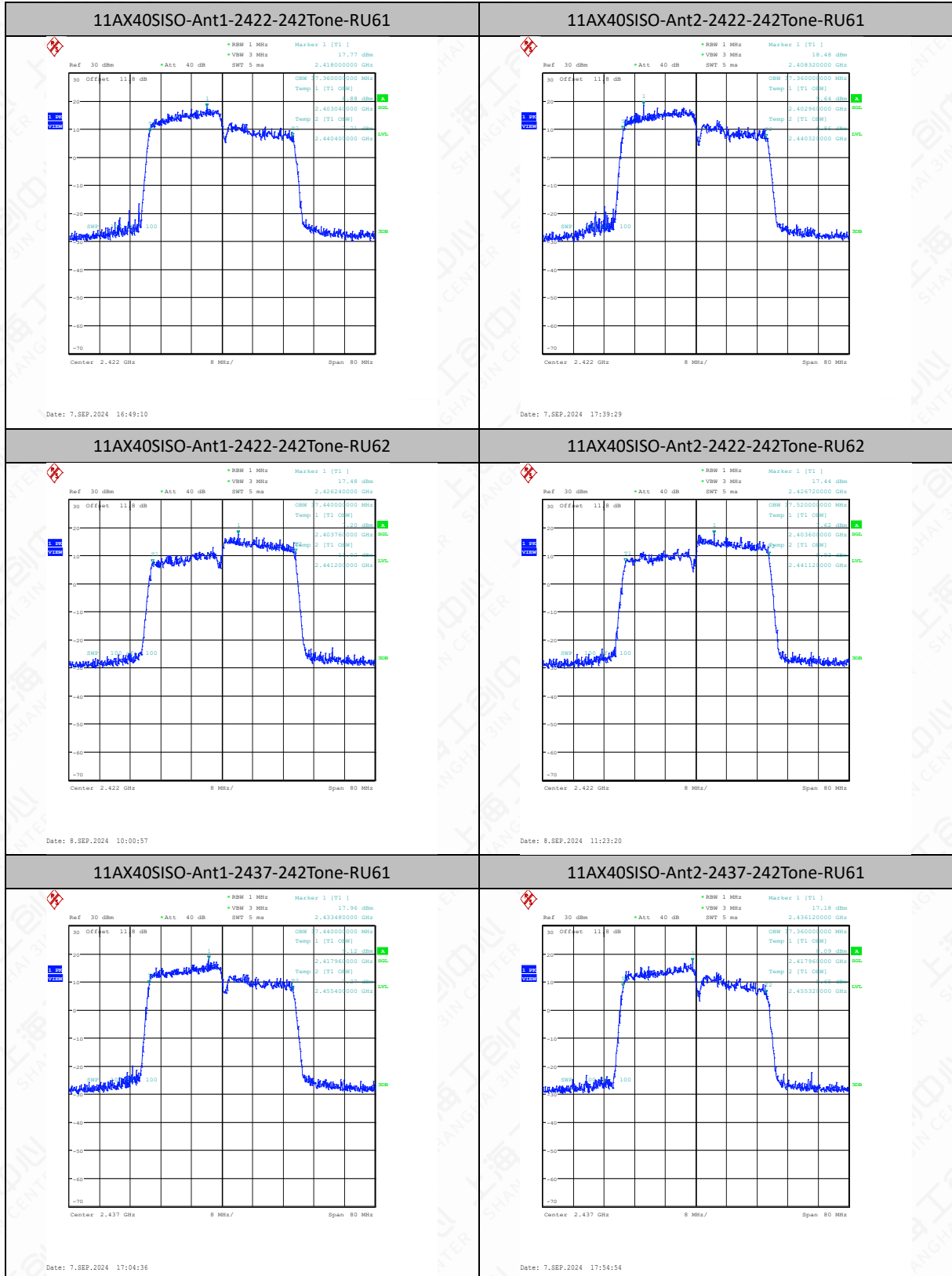
Date: 7,SEP,2024 16:29:09

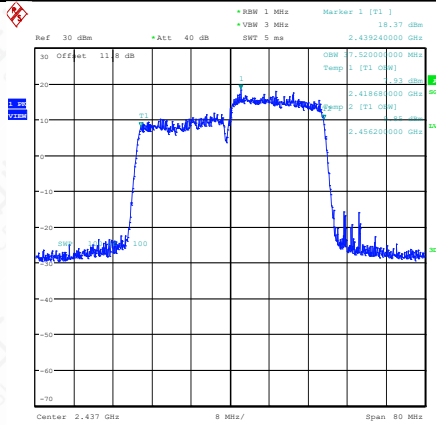




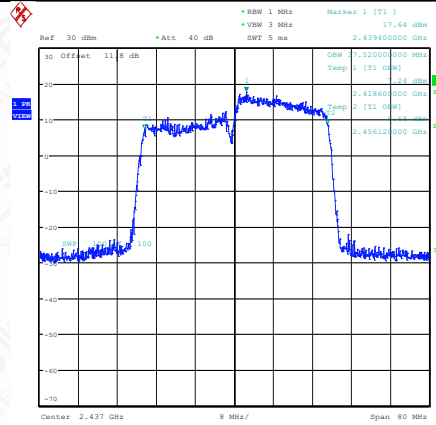




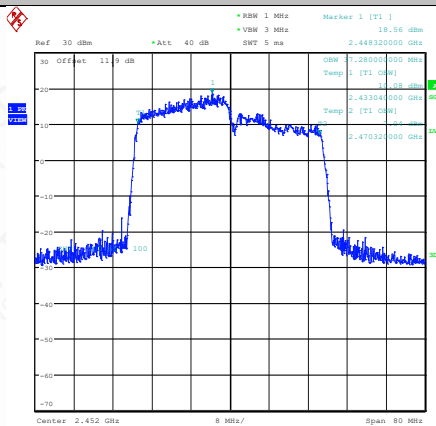


11AX40SISO-Ant1-2437-242Tone-RU62


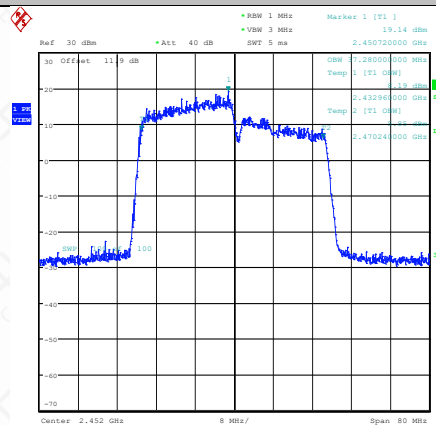
Date: 8.SEP.2024 10:16:31

11AX40SISO-Ant2-2437-242Tone-RU62


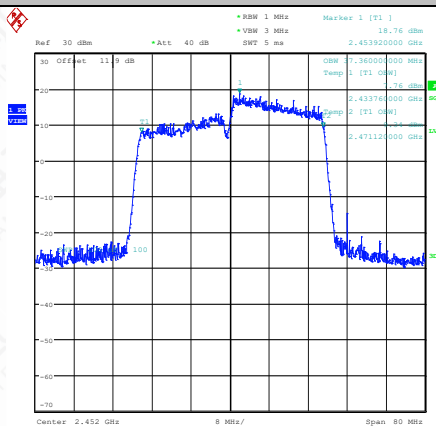
Date: 8.SEP.2024 11:49:58

11AX40SISO-Ant1-2452-242Tone-RU61


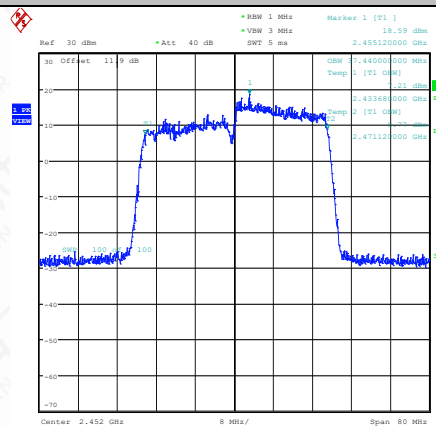
Date: 7.SEP.2024 17:22:09

11AX40SISO-Ant2-2452-242Tone-RU61


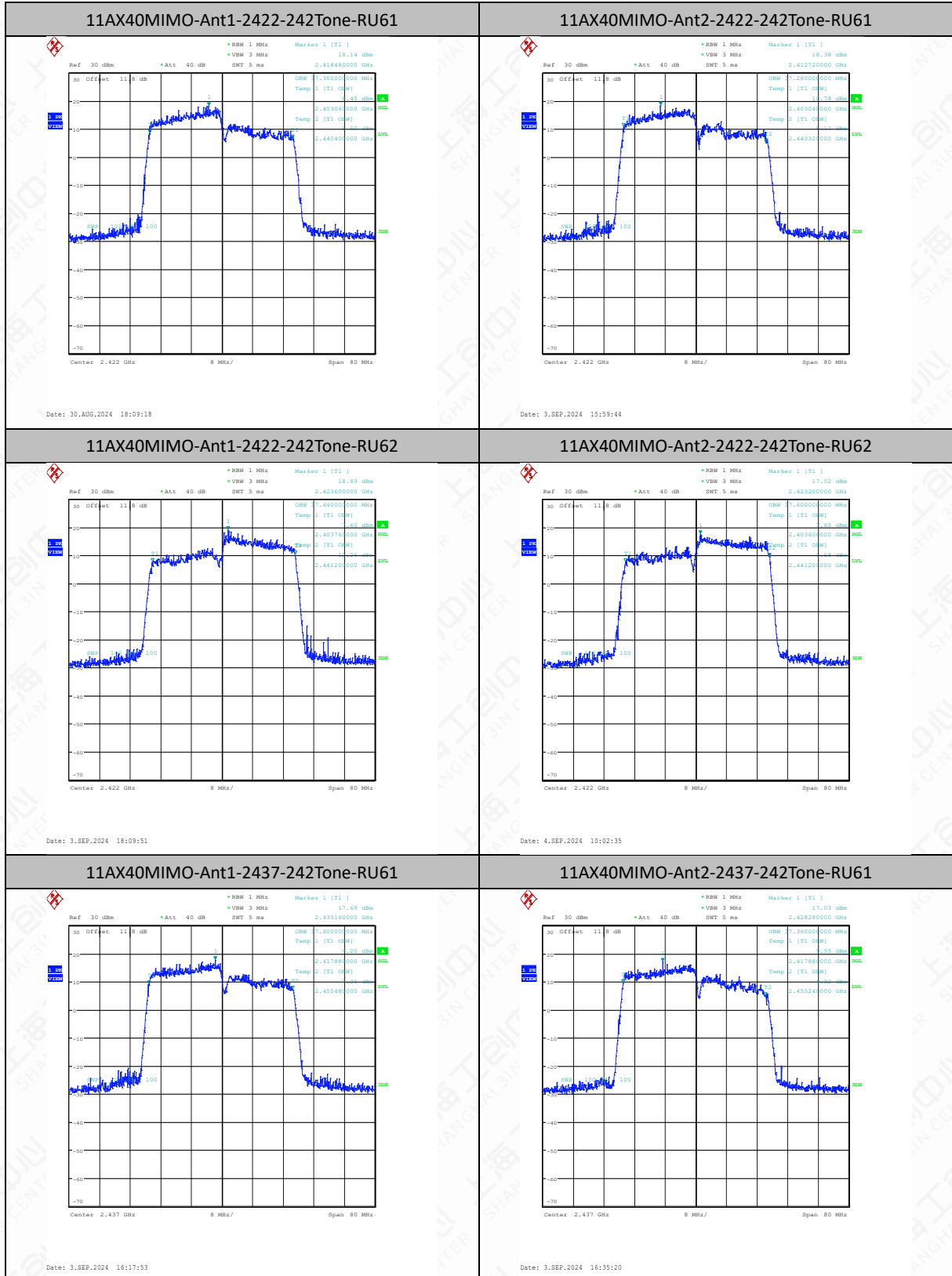
Date: 7.SEP.2024 18:10:33

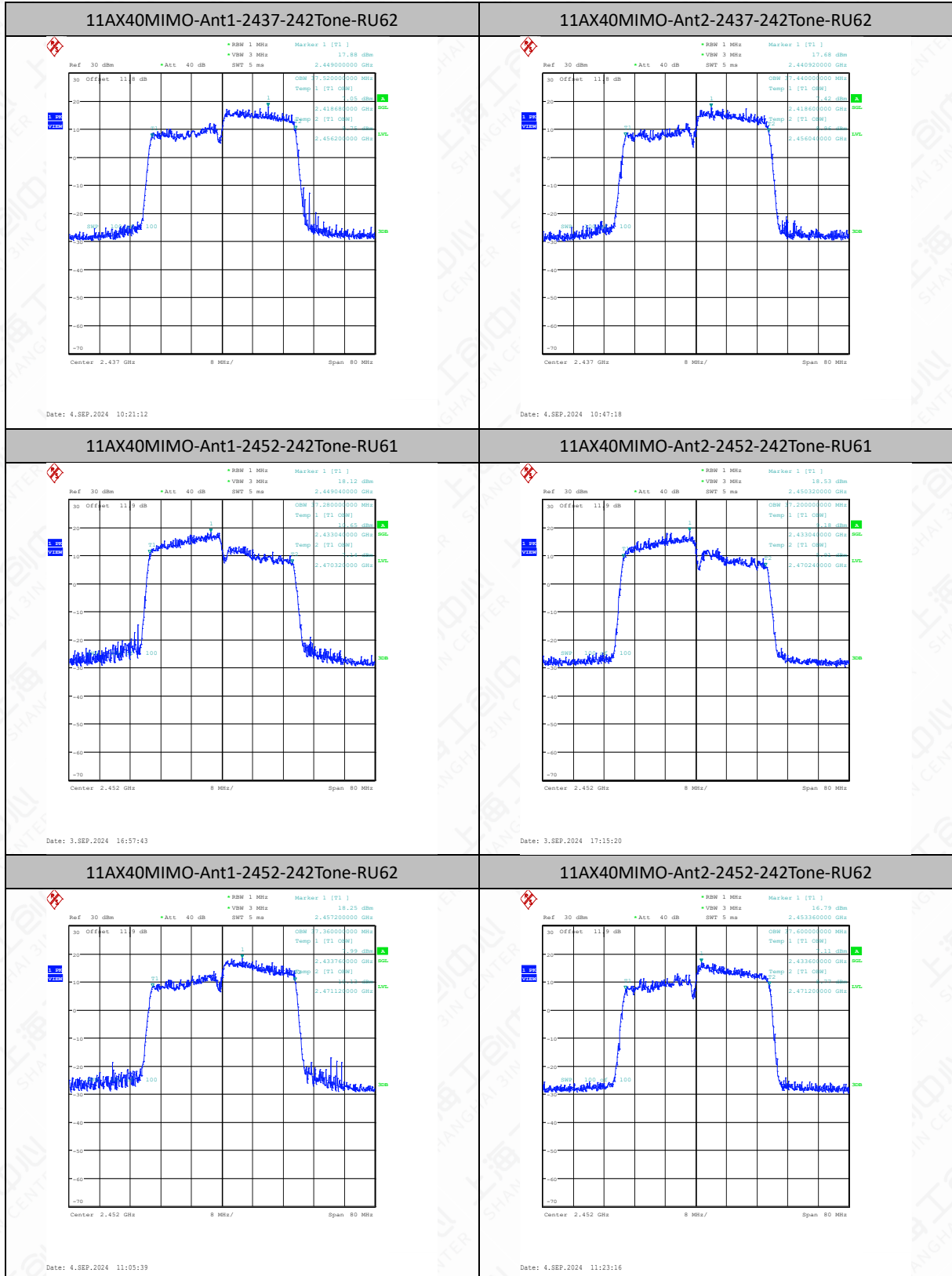
11AX40SISO-Ant1-2452-242Tone-RU62


Date: 8.SEP.2024 10:35:03

11AX40SISO-Ant2-2452-242Tone-RU62


Date: 8.SEP.2024 12:06:19





6.6 Band Edges Compliance

6.6.1 Measurement limit

Standard	Limit(dBc)
FCC 47 Part 15.247(d)	>30

6.6.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.11.

The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement. Enable EUT transmitter maximum power continuously.

Reference level measurement

1. Set instrument center frequency to DTS channel center frequency.
2. Set the span to ≥ 1.5 times the DTS bandwidth.
3. Set the RBW = 100 kHz.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum PSD level.

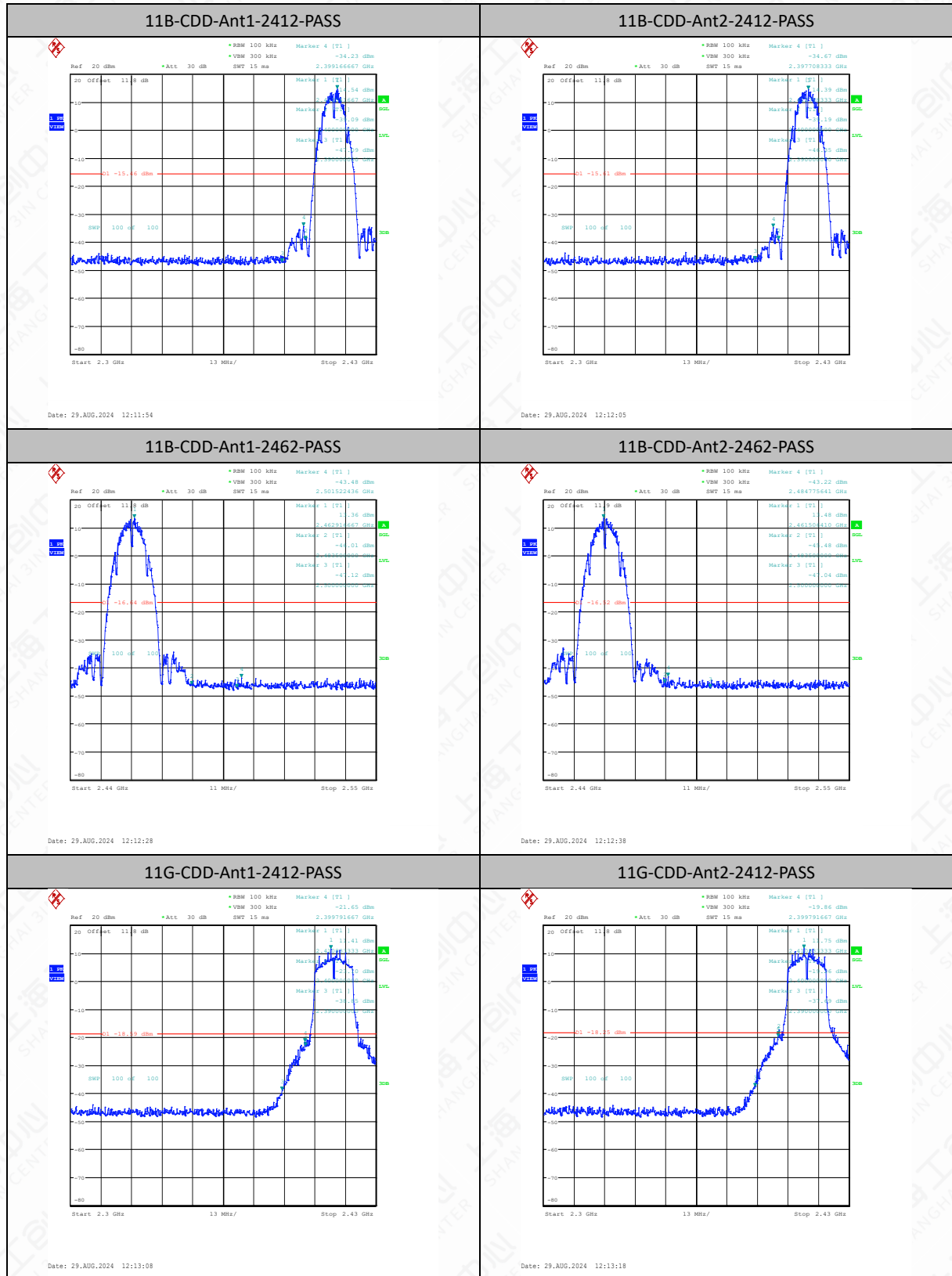
Emission level measurement

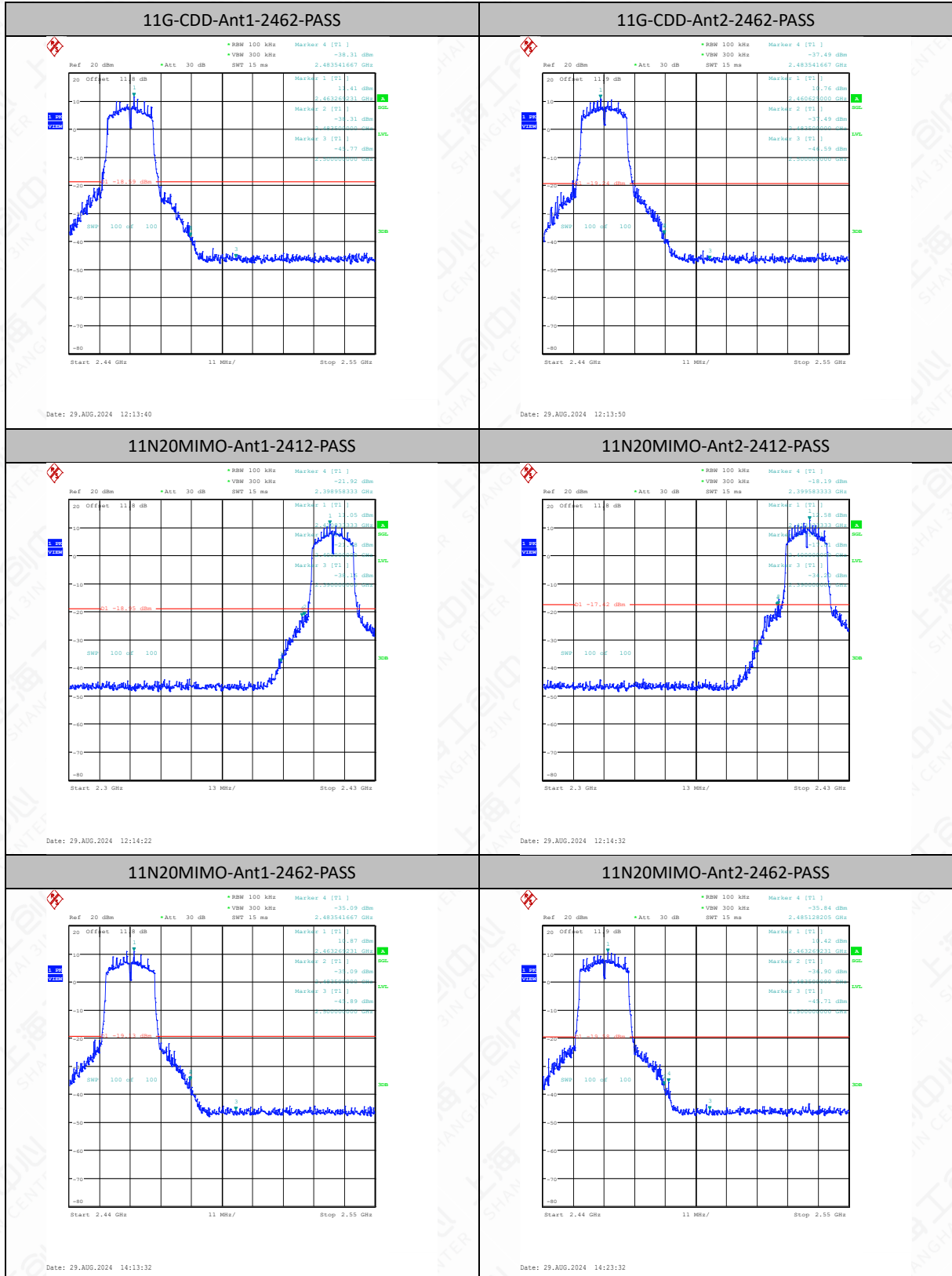
1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq [3 \times \text{RBW}]$.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.

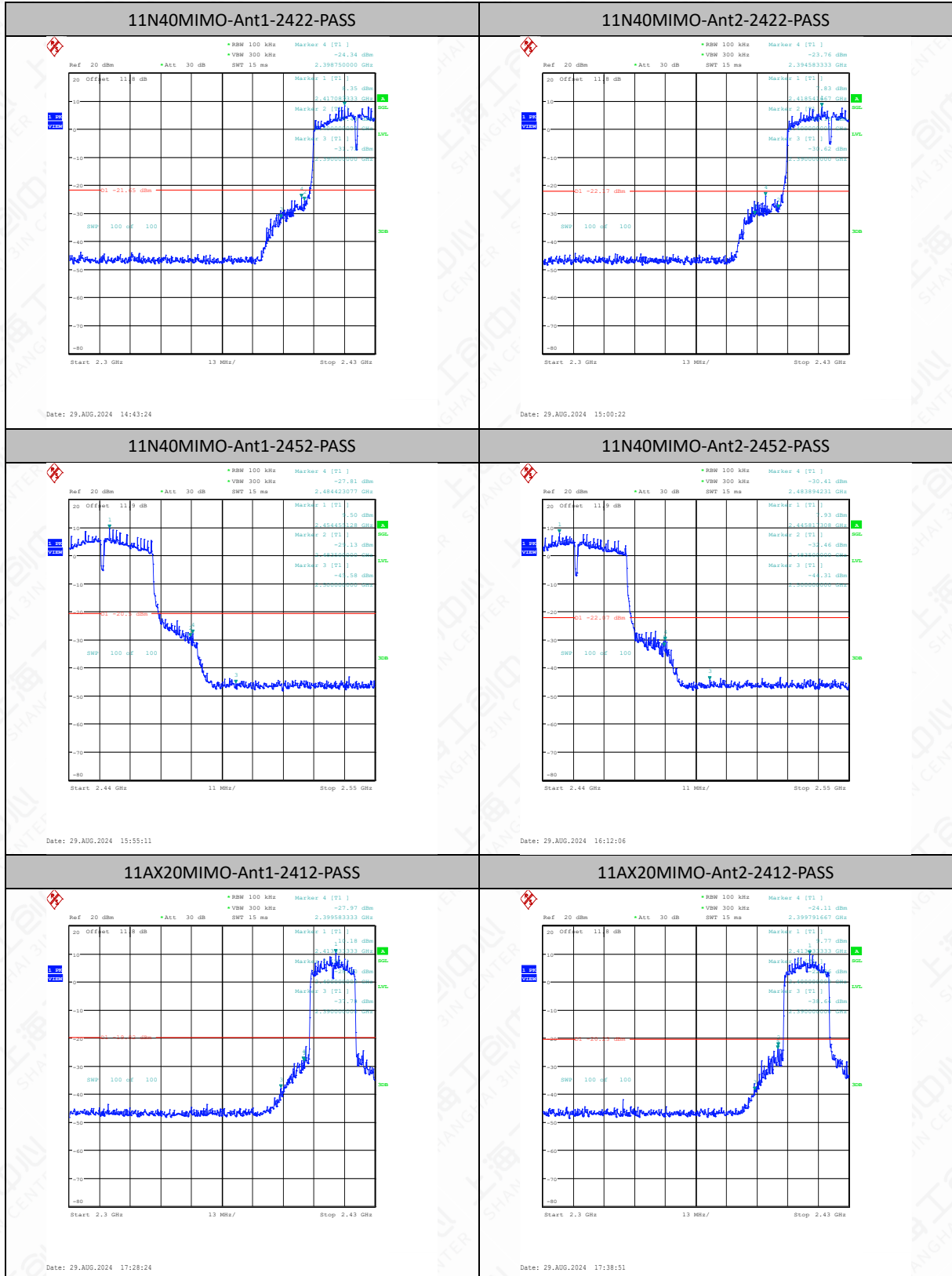
6.6.3 Measurement results

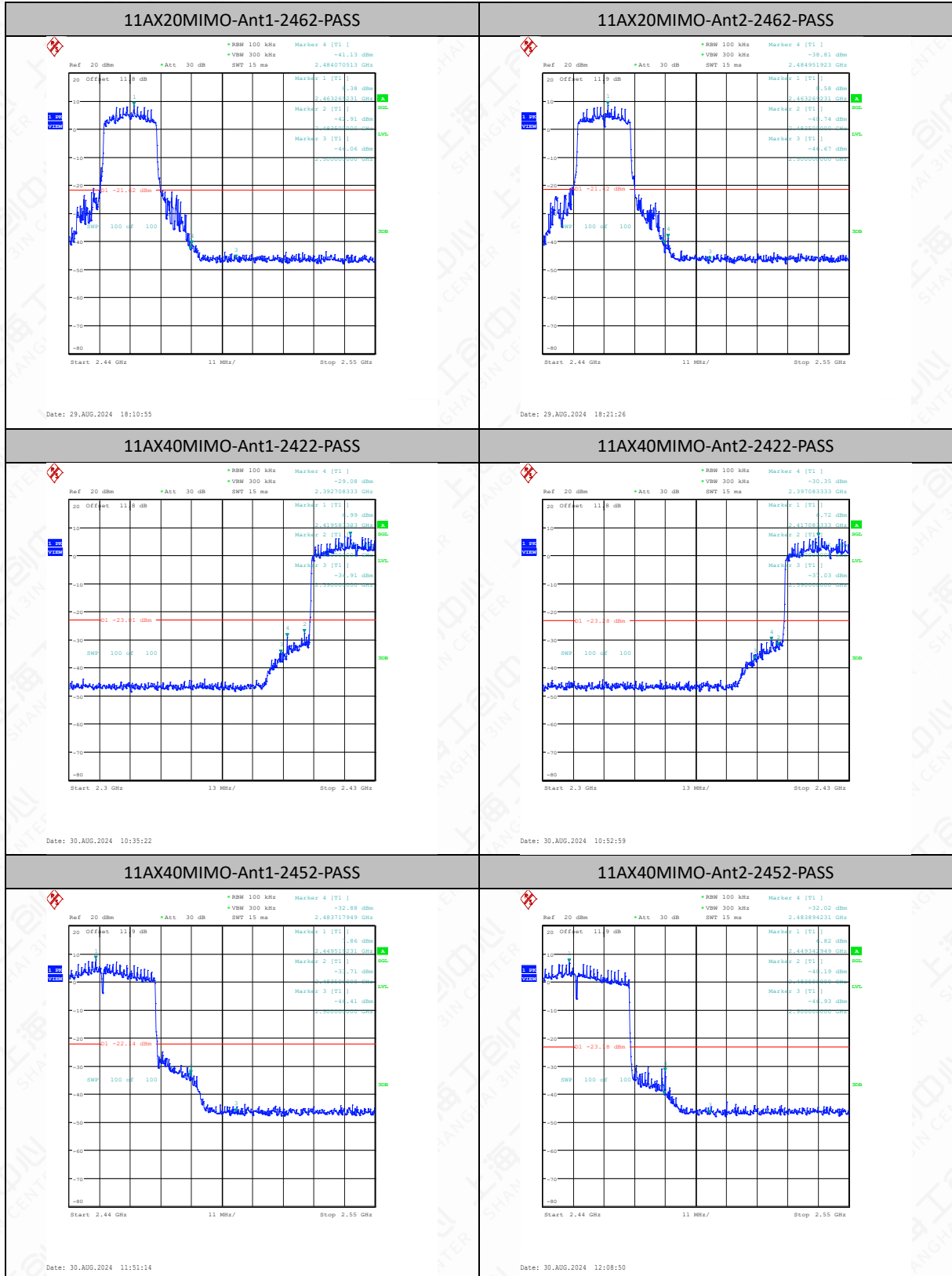
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	14.54	-34.23	≤-15.46	PASS
11B-CDD	Ant2	Low	2412	14.39	-34.67	≤-15.61	PASS
11B-CDD	Ant1	High	2462	13.36	-43.48	≤-16.64	PASS
11B-CDD	Ant2	High	2462	13.48	-43.22	≤-16.52	PASS
11G-CDD	Ant1	Low	2412	11.41	-21.65	≤-18.59	PASS
11G-CDD	Ant2	Low	2412	11.75	-19.86	≤-18.25	PASS
11G-CDD	Ant1	High	2462	11.41	-38.31	≤-18.59	PASS
11G-CDD	Ant2	High	2462	10.76	-37.49	≤-19.24	PASS
11N20MIMO	Ant1	Low	2412	11.05	-21.92	≤-18.95	PASS
11N20MIMO	Ant2	Low	2412	12.58	-18.19	≤-17.42	PASS
11N20MIMO	Ant1	High	2462	10.87	-35.09	≤-19.13	PASS
11N20MIMO	Ant2	High	2462	10.42	-35.84	≤-19.58	PASS
11N40MIMO	Ant1	Low	2422	8.35	-24.34	≤-21.65	PASS
11N40MIMO	Ant2	Low	2422	7.83	-23.76	≤-22.17	PASS
11N40MIMO	Ant1	High	2452	9.50	-27.81	≤-20.5	PASS
11N40MIMO	Ant2	High	2452	7.93	-30.41	≤-22.07	PASS
11AX20MIMO	Ant1	Low	2412	10.18	-27.97	≤-19.82	PASS
11AX20MIMO	Ant2	Low	2412	9.77	-24.11	≤-20.23	PASS
11AX20MIMO	Ant1	High	2462	8.38	-41.13	≤-21.62	PASS
11AX20MIMO	Ant2	High	2462	8.58	-38.81	≤-21.42	PASS
11AX40MIMO	Ant1	Low	2422	6.99	-29.08	≤-23.01	PASS
11AX40MIMO	Ant2	Low	2422	6.72	-30.35	≤-23.28	PASS
11AX40MIMO	Ant1	High	2452	7.86	-32.88	≤-22.14	PASS
11AX40MIMO	Ant2	High	2452	6.82	-32.02	≤-23.18	PASS

Test Graphs









6.7 Transmitter Spurious Emission-conducted

6.7.1 Measurement Limit

Standard	Limit
FCC 47 Part 15.247(d)	30dB below highest level power in 100KHz bandwidth

6.7.2 Test procedures

This measurement is according to ANSI C63.10 clause 11.11.

The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.

Enable EUT transmitter maximum power continuously.

Reference level measurement

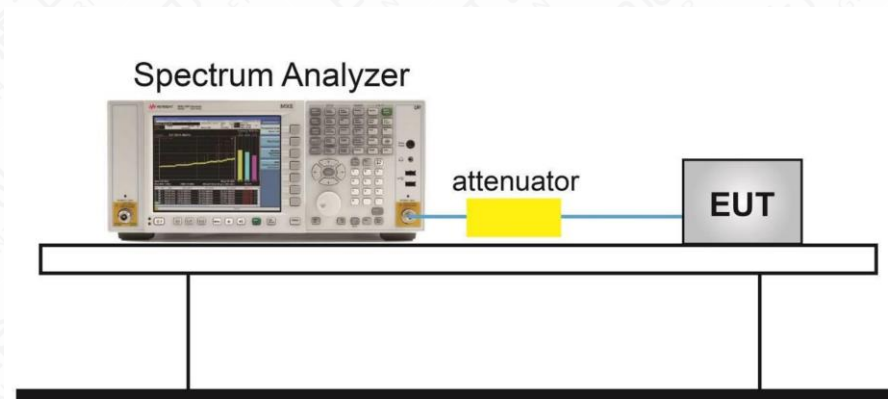
1. Set instrument center frequency to DTS channel center frequency.
2. Set the span to ≥ 1.5 times the DTS bandwidth.
3. Set the RBW = 100 kHz.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum PSD level.

Emission level measurement

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = 100 kHz.
3. Set the VBW $\geq [3 \times \text{RBW}]$.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.

Note: Not recorded emission from 9 KHz to 30 MHz as emission level at least 20dBc lower than emission limit.

6.7.3 Test Setup



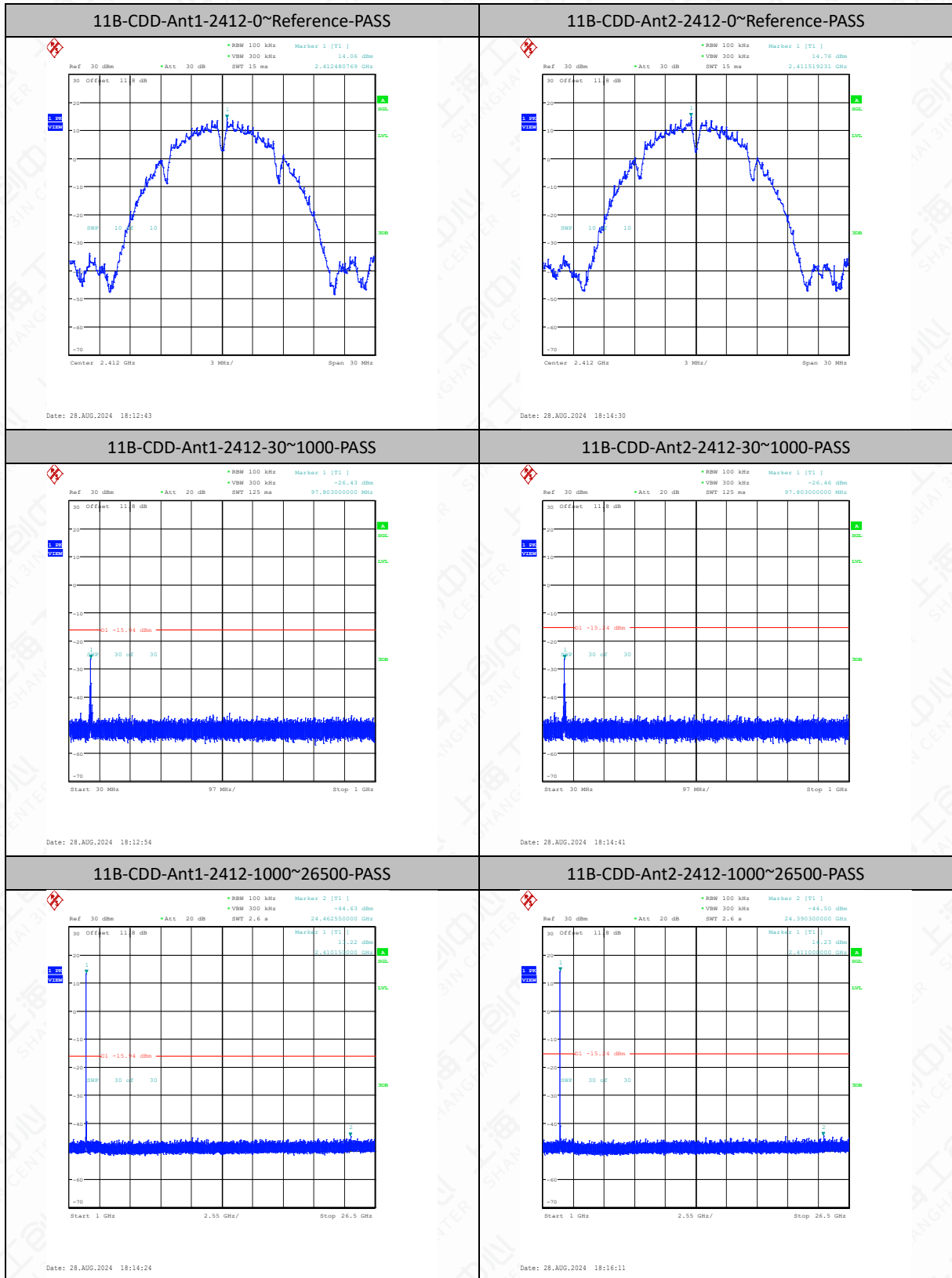
6.7.4 Measurement Result

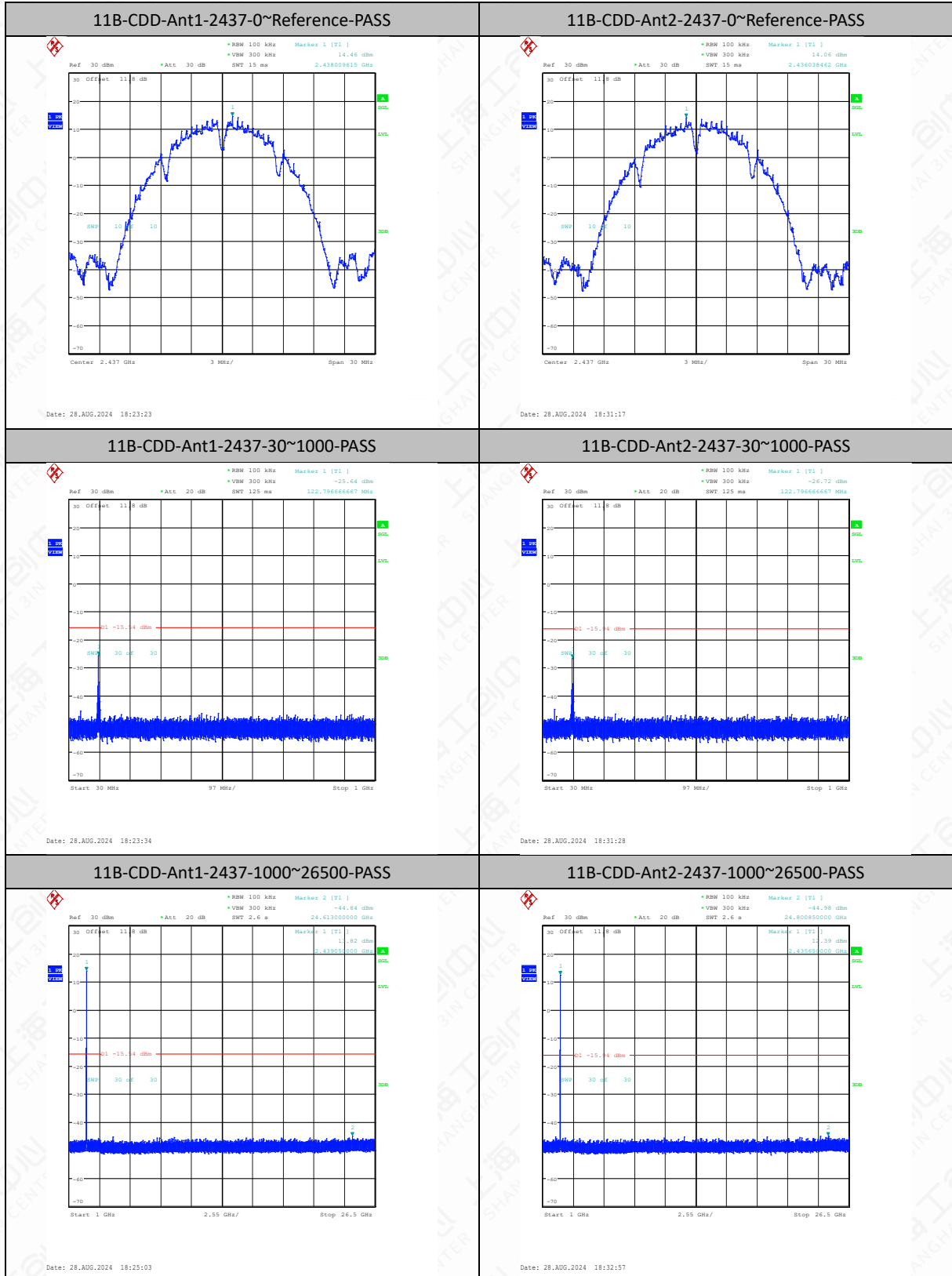
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	0~Reference	14.06	14.06	---	PASS
11B-CDD	Ant2	2412	0~Reference	14.76	14.76	---	PASS
11B-CDD	Ant1	2412	30~1000	14.06	-26.43	≤-15.94	PASS
11B-CDD	Ant2	2412	30~1000	14.76	-26.46	≤-15.24	PASS
11B-CDD	Ant1	2412	1000~26500	14.06	-44.63	≤-15.94	PASS
11B-CDD	Ant2	2412	1000~26500	14.76	-44.5	≤-15.24	PASS
11B-CDD	Ant1	2437	0~Reference	14.46	14.46	---	PASS
11B-CDD	Ant2	2437	0~Reference	14.06	14.06	---	PASS
11B-CDD	Ant1	2437	30~1000	14.46	-25.64	≤-15.54	PASS
11B-CDD	Ant2	2437	30~1000	14.06	-26.72	≤-15.94	PASS
11B-CDD	Ant1	2437	1000~26500	14.46	-44.84	≤-15.54	PASS
11B-CDD	Ant2	2437	1000~26500	14.06	-44.98	≤-15.94	PASS
11B-CDD	Ant1	2462	0~Reference	12.42	12.42	---	PASS
11B-CDD	Ant2	2462	0~Reference	12.41	12.41	---	PASS
11B-CDD	Ant1	2462	30~1000	12.42	-28.52	≤-17.58	PASS
11B-CDD	Ant2	2462	30~1000	12.41	-28.25	≤-17.59	PASS
11B-CDD	Ant1	2462	1000~26500	12.42	-44.6	≤-17.58	PASS
11B-CDD	Ant2	2462	1000~26500	12.41	-44.72	≤-17.59	PASS
11G-CDD	Ant1	2412	0~Reference	10.59	10.59	---	PASS
11G-CDD	Ant2	2412	0~Reference	12.00	12.00	---	PASS
11G-CDD	Ant1	2412	30~1000	10.59	-35.34	≤-19.41	PASS
11G-CDD	Ant2	2412	30~1000	12.00	-35.5	≤-18	PASS
11G-CDD	Ant1	2412	1000~26500	10.59	-44.28	≤-19.41	PASS
11G-CDD	Ant2	2412	1000~26500	12.00	-44.64	≤-18	PASS
11G-CDD	Ant1	2437	0~Reference	10.27	10.27	---	PASS

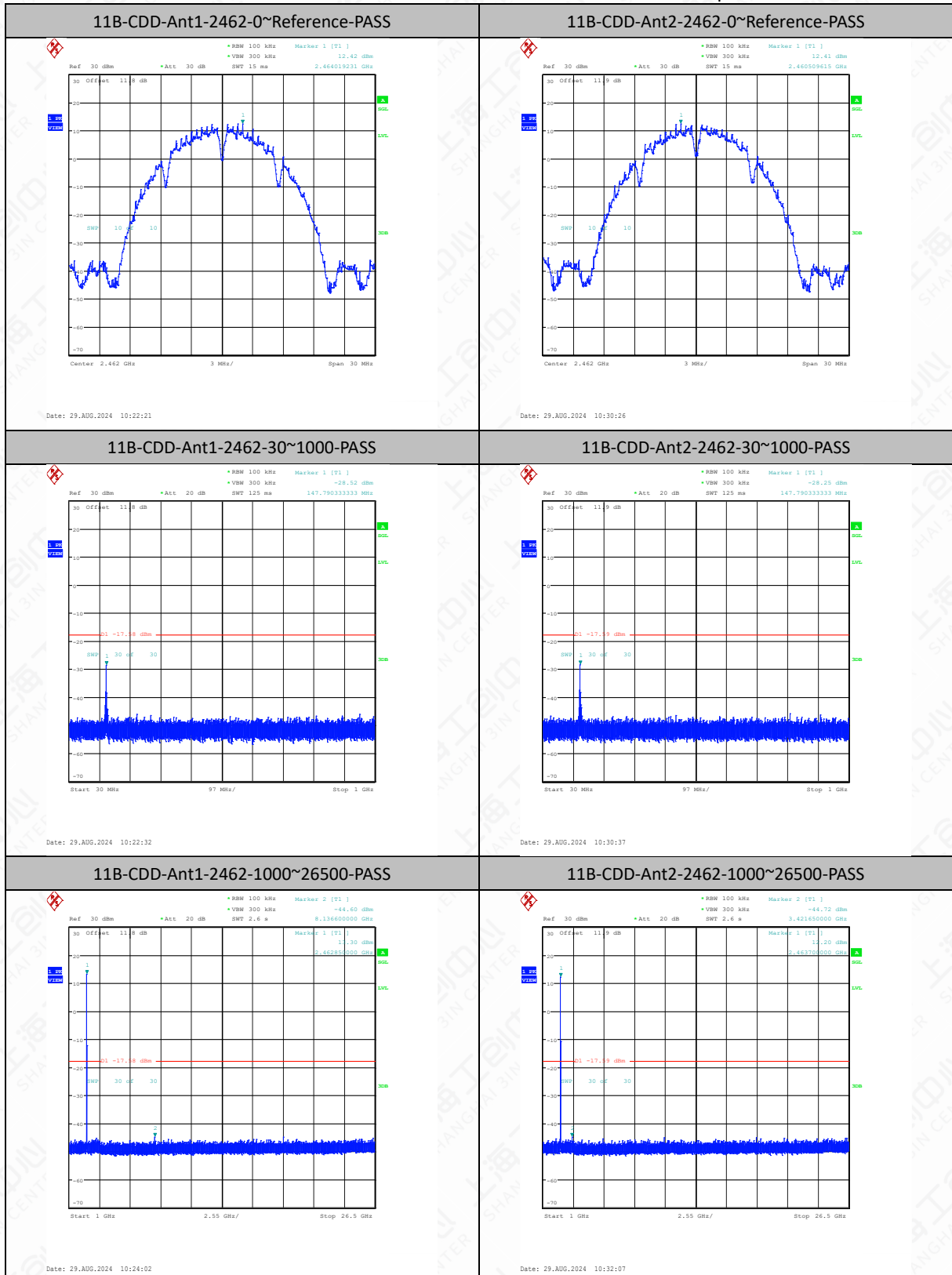
11G-CDD	Ant2	2437	0~Reference	11.26	11.26	---	PASS
11G-CDD	Ant1	2437	30~1000	10.27	-33.67	≤-19.73	PASS
11G-CDD	Ant2	2437	30~1000	11.26	-35.89	≤-18.74	PASS
11G-CDD	Ant1	2437	1000~26500	10.27	-45.21	≤-19.73	PASS
11G-CDD	Ant2	2437	1000~26500	11.26	-45.17	≤-18.74	PASS
11G-CDD	Ant1	2462	0~Reference	9.87	9.87	---	PASS
11G-CDD	Ant2	2462	0~Reference	10.04	10.04	---	PASS
11G-CDD	Ant1	2462	30~1000	9.87	-35.62	≤-20.13	PASS
11G-CDD	Ant2	2462	30~1000	10.04	-36.99	≤-19.96	PASS
11G-CDD	Ant1	2462	1000~26500	9.87	-44.63	≤-20.13	PASS
11G-CDD	Ant2	2462	1000~26500	10.04	-44.12	≤-19.96	PASS
11N20MIMO	Ant1	2412	0~Reference	10.72	10.72	---	PASS
11N20MIMO	Ant2	2412	0~Reference	10.68	10.68	---	PASS
11N20MIMO	Ant1	2412	30~1000	10.72	-35.53	≤-19.28	PASS
11N20MIMO	Ant2	2412	30~1000	10.68	-35.73	≤-19.32	PASS
11N20MIMO	Ant1	2412	1000~26500	10.72	-45.09	≤-19.28	PASS
11N20MIMO	Ant2	2412	1000~26500	10.68	-44.83	≤-19.32	PASS
11N20MIMO	Ant1	2437	0~Reference	11.12	11.12	---	PASS
11N20MIMO	Ant2	2437	0~Reference	9.59	9.59	---	PASS
11N20MIMO	Ant1	2437	30~1000	11.12	-36.7	≤-18.88	PASS
11N20MIMO	Ant2	2437	30~1000	9.59	-37.8	≤-20.41	PASS
11N20MIMO	Ant1	2437	1000~26500	11.12	-45.43	≤-18.88	PASS
11N20MIMO	Ant2	2437	1000~26500	9.59	-44.33	≤-20.41	PASS
11N20MIMO	Ant1	2462	0~Reference	9.22	9.22	---	PASS
11N20MIMO	Ant2	2462	0~Reference	10.82	10.82	---	PASS
11N20MIMO	Ant1	2462	30~1000	9.22	-37.58	≤-20.78	PASS
11N20MIMO	Ant2	2462	30~1000	10.82	-37	≤-19.18	PASS
11N20MIMO	Ant1	2462	1000~26500	9.22	-44.25	≤-20.78	PASS
11N20MIMO	Ant2	2462	1000~26500	10.82	-45.06	≤-19.18	PASS
11N40MIMO	Ant1	2422	0~Reference	8.56	8.56	---	PASS
11N40MIMO	Ant2	2422	0~Reference	6.77	6.77	---	PASS
11N40MIMO	Ant1	2422	30~1000	8.56	-38.62	≤-21.44	PASS
11N40MIMO	Ant2	2422	30~1000	6.77	-40.42	≤-23.23	PASS
11N40MIMO	Ant1	2422	1000~26500	8.56	-44.41	≤-21.44	PASS
11N40MIMO	Ant2	2422	1000~26500	6.77	-44.72	≤-23.23	PASS
11N40MIMO	Ant1	2437	0~Reference	6.36	6.36	---	PASS
11N40MIMO	Ant2	2437	0~Reference	6.75	6.75	---	PASS
11N40MIMO	Ant1	2437	30~1000	6.36	-39.66	≤-23.64	PASS
11N40MIMO	Ant2	2437	30~1000	6.75	-40.74	≤-23.25	PASS
11N40MIMO	Ant1	2437	1000~26500	6.36	-44.63	≤-23.64	PASS
11N40MIMO	Ant2	2437	1000~26500	6.75	-44.06	≤-23.25	PASS
11N40MIMO	Ant1	2452	0~Reference	8.10	8.10	---	PASS
11N40MIMO	Ant2	2452	0~Reference	6.13	6.13	---	PASS

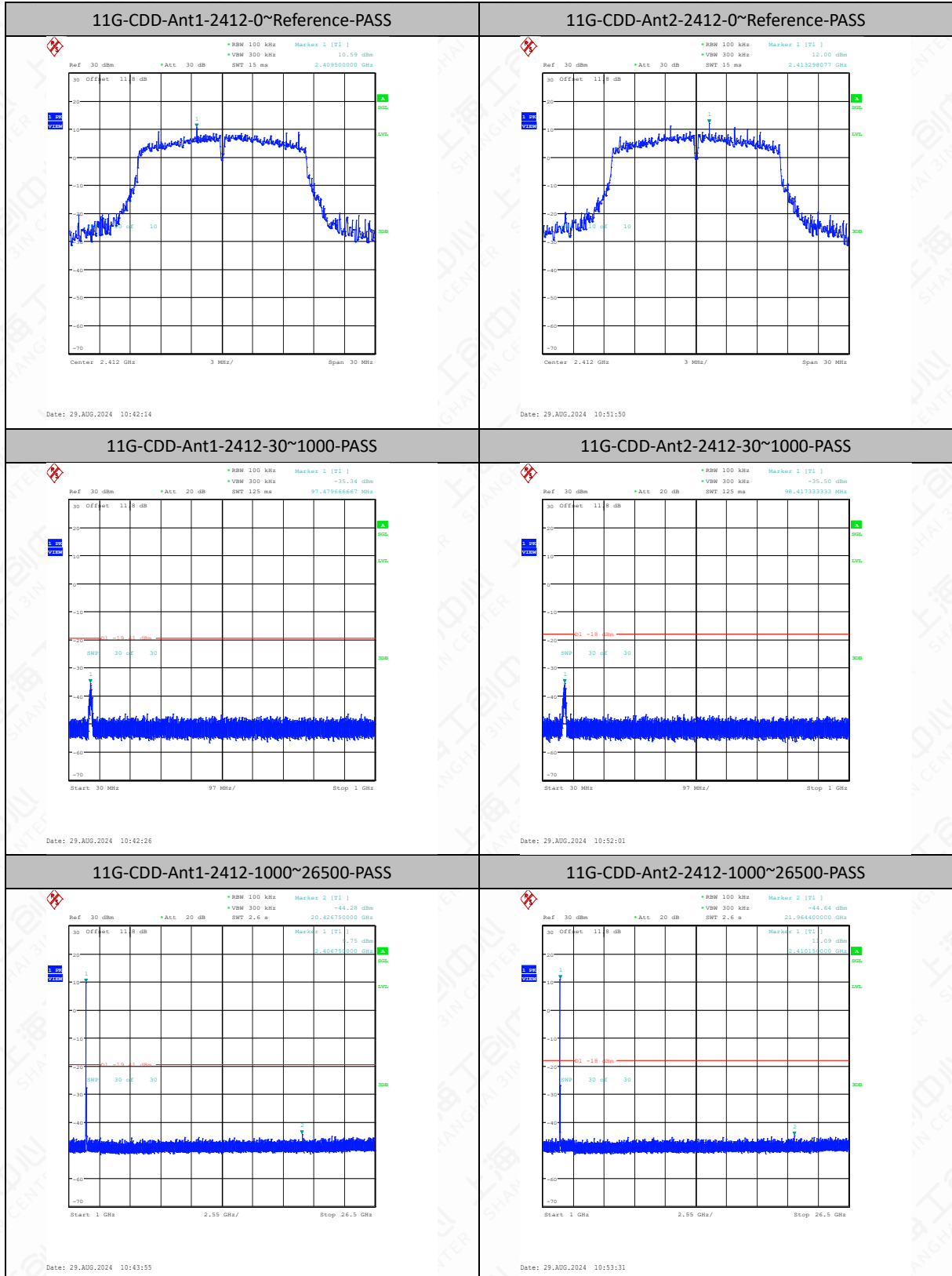
11N40MIMO	Ant1	2452	30~1000	8.10	-37.07	≤-21.9	PASS
11N40MIMO	Ant2	2452	30~1000	6.13	-40.21	≤-23.87	PASS
11N40MIMO	Ant1	2452	1000~26500	8.10	-44.99	≤-21.9	PASS
11N40MIMO	Ant2	2452	1000~26500	6.13	-44.58	≤-23.87	PASS
11AX20MIMO	Ant1	2412	0~Reference	9.17	9.17	---	PASS
11AX20MIMO	Ant2	2412	0~Reference	9.13	9.13	---	PASS
11AX20MIMO	Ant1	2412	30~1000	9.17	-38.66	≤-20.83	PASS
11AX20MIMO	Ant2	2412	30~1000	9.13	-37.17	≤-20.87	PASS
11AX20MIMO	Ant1	2412	1000~26500	9.17	-44.82	≤-20.83	PASS
11AX20MIMO	Ant2	2412	1000~26500	9.13	-44.94	≤-20.87	PASS
11AX20MIMO	Ant1	2437	0~Reference	9.64	9.64	---	PASS
11AX20MIMO	Ant2	2437	0~Reference	8.11	8.11	---	PASS
11AX20MIMO	Ant1	2437	30~1000	9.64	-39.38	≤-20.36	PASS
11AX20MIMO	Ant2	2437	30~1000	8.11	-41.26	≤-21.89	PASS
11AX20MIMO	Ant1	2437	1000~26500	9.64	-45.04	≤-20.36	PASS
11AX20MIMO	Ant2	2437	1000~26500	8.11	-43.77	≤-21.89	PASS
11AX20MIMO	Ant1	2462	0~Reference	8.40	8.40	---	PASS
11AX20MIMO	Ant2	2462	0~Reference	8.30	8.30	---	PASS
11AX20MIMO	Ant1	2462	30~1000	8.40	-41.22	≤-21.6	PASS
11AX20MIMO	Ant2	2462	30~1000	8.30	-39.41	≤-21.7	PASS
11AX20MIMO	Ant1	2462	1000~26500	8.40	-44.92	≤-21.6	PASS
11AX20MIMO	Ant2	2462	1000~26500	8.30	-44.48	≤-21.7	PASS
11AX40MIMO	Ant1	2422	0~Reference	6.49	6.49	---	PASS
11AX40MIMO	Ant2	2422	0~Reference	5.80	5.80	---	PASS
11AX40MIMO	Ant1	2422	30~1000	6.49	-41.33	≤-23.51	PASS
11AX40MIMO	Ant2	2422	30~1000	5.80	-41.98	≤-24.2	PASS
11AX40MIMO	Ant1	2422	1000~26500	6.49	-45.03	≤-23.51	PASS
11AX40MIMO	Ant2	2422	1000~26500	5.80	-44.84	≤-24.2	PASS
11AX40MIMO	Ant1	2437	0~Reference	6.93	6.93	---	PASS
11AX40MIMO	Ant2	2437	0~Reference	5.85	5.85	---	PASS
11AX40MIMO	Ant1	2437	30~1000	6.93	-38.36	≤-23.07	PASS
11AX40MIMO	Ant2	2437	30~1000	5.85	-42.19	≤-24.15	PASS
11AX40MIMO	Ant1	2437	1000~26500	6.93	-44.47	≤-23.07	PASS
11AX40MIMO	Ant2	2437	1000~26500	5.85	-44.67	≤-24.15	PASS
11AX40MIMO	Ant1	2452	0~Reference	5.96	5.96	---	PASS
11AX40MIMO	Ant2	2452	0~Reference	6.88	6.88	---	PASS
11AX40MIMO	Ant1	2452	30~1000	5.96	-38.94	≤-24.04	PASS
11AX40MIMO	Ant2	2452	30~1000	6.88	-41.4	≤-23.12	PASS
11AX40MIMO	Ant1	2452	1000~26500	5.96	-44.49	≤-24.04	PASS
11AX40MIMO	Ant2	2452	1000~26500	6.88	-44.7	≤-23.12	PASS

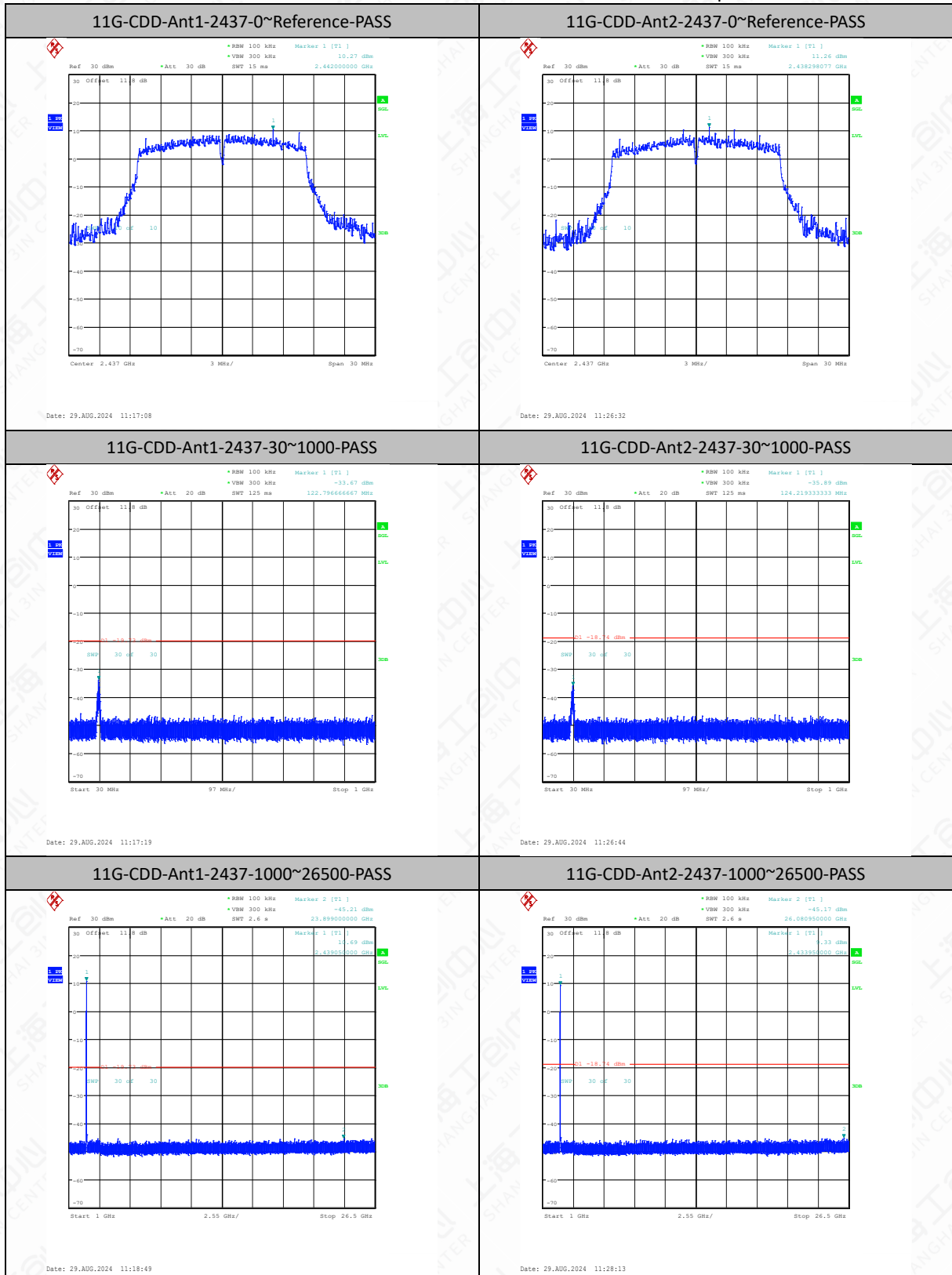
Test Graphs

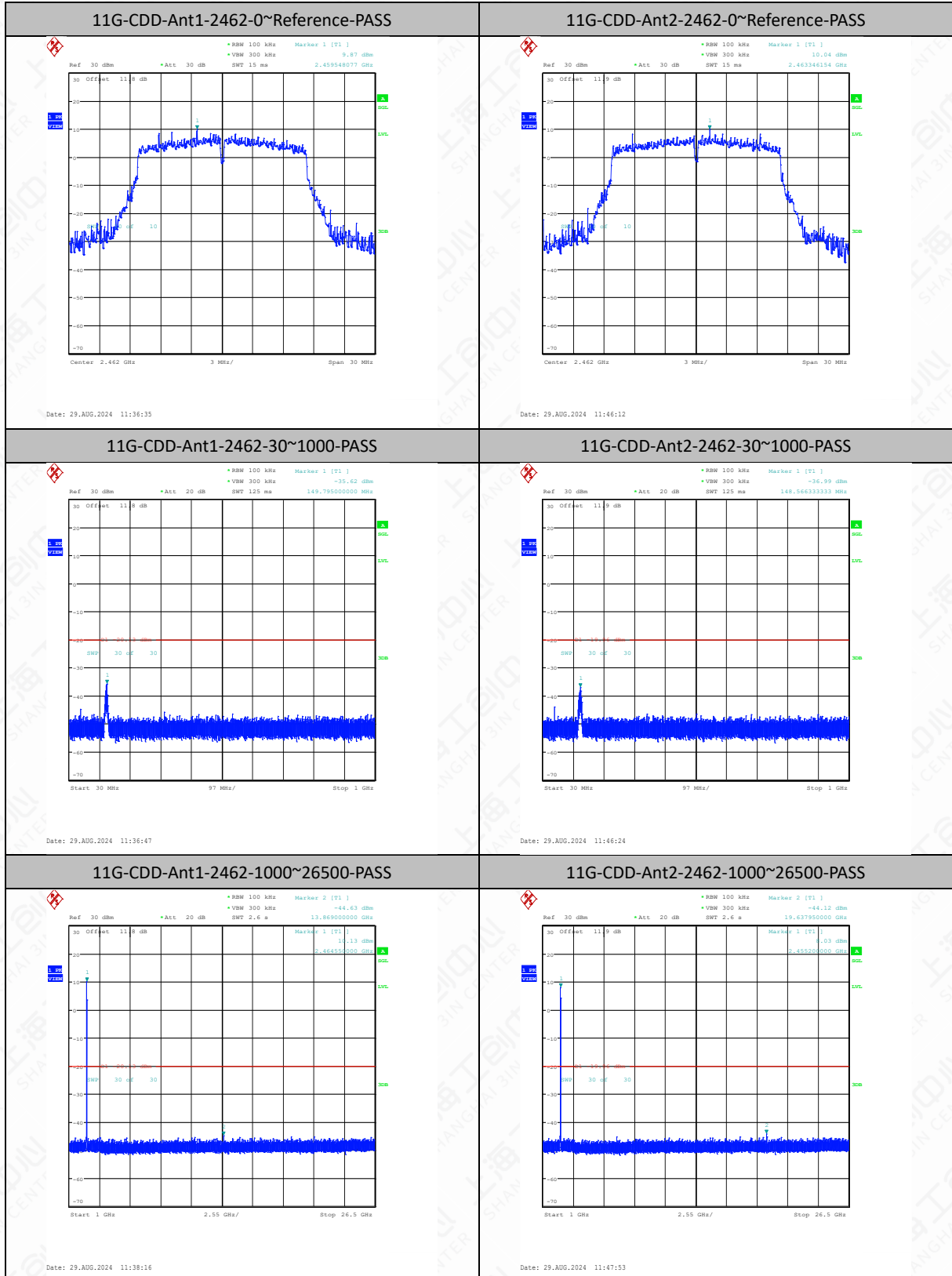




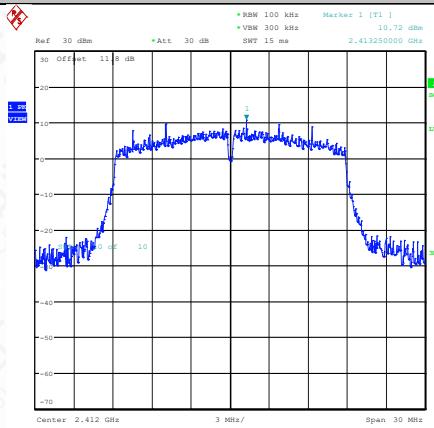






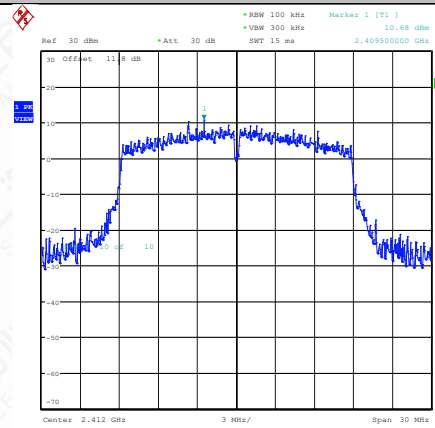


11N20MIMO-Ant1-2412-0~Reference-PASS



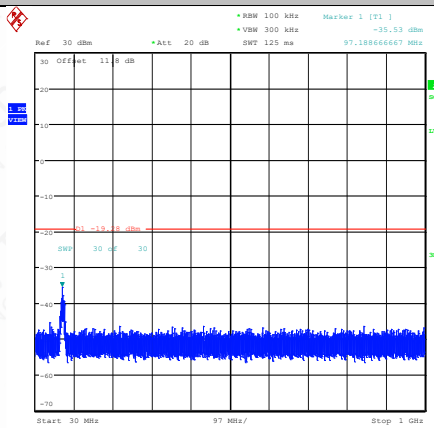
Date: 29.AUG.2024 11:57:55

11N20MIMO-Ant2-2412-0~Reference-PASS



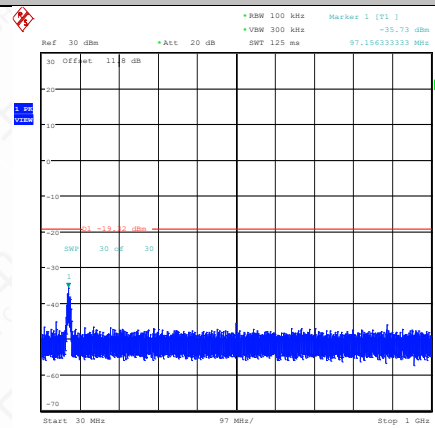
Date: 29.AUG.2024 12:07:48

11N20MIMO-Ant1-2412-30~1000-PASS



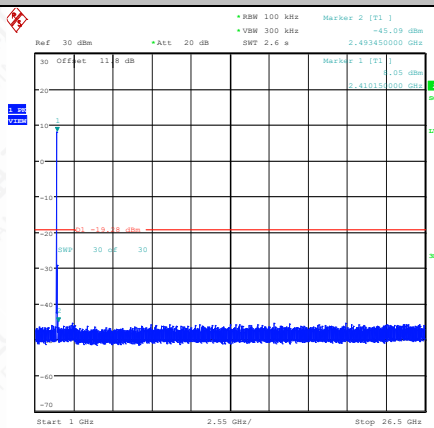
Date: 29.AUG.2024 11:58:06

11N20MIMO-Ant2-2412-30~1000-PASS



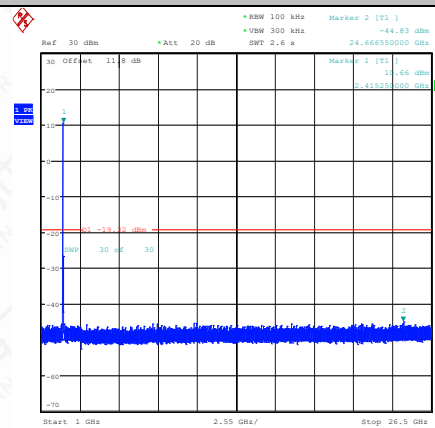
Date: 29.AUG.2024 12:08:00

11N20MIMO-Ant1-2412-1000~26500-PASS

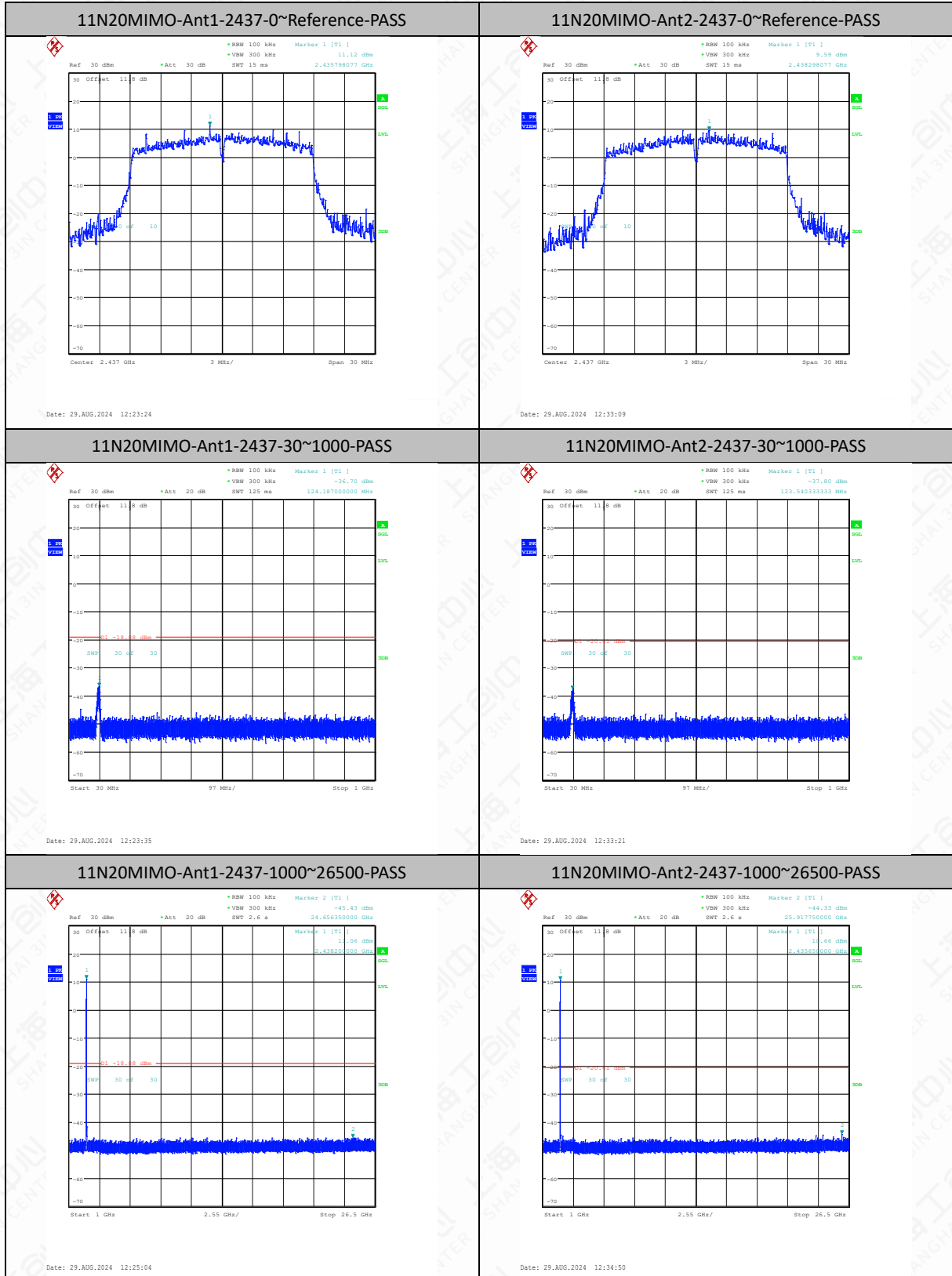


Date: 29.AUG.2024 11:59:35

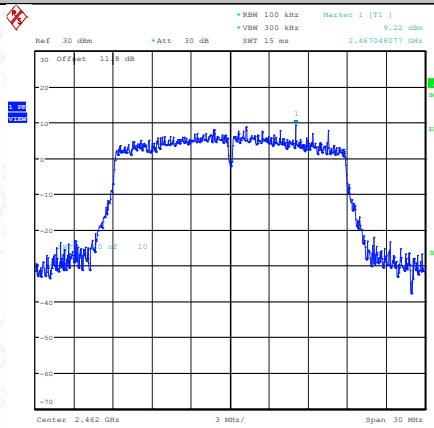
11N20MIMO-Ant2-2412-1000~26500-PASS



Date: 29.AUG.2024 12:09:29

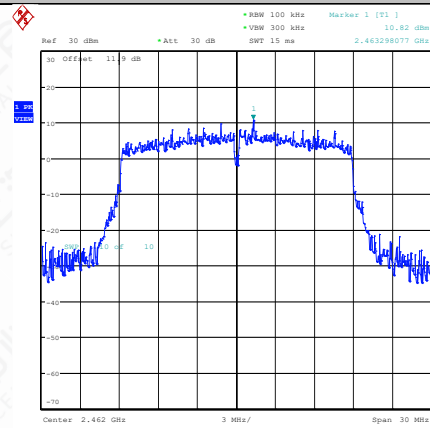


11N20MIMO-Ant1-2462-0~Reference-PASS



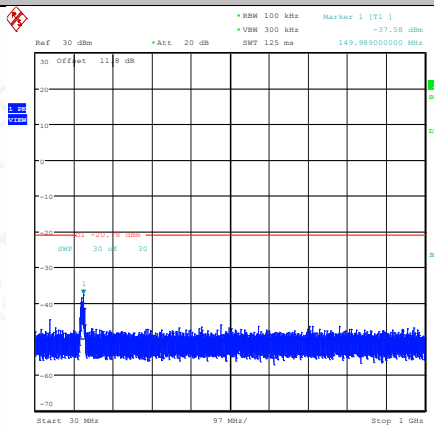
Date: 29.AUG.2024 14:13:38

11N20MIMO-Ant2-2462-0~Reference-PASS



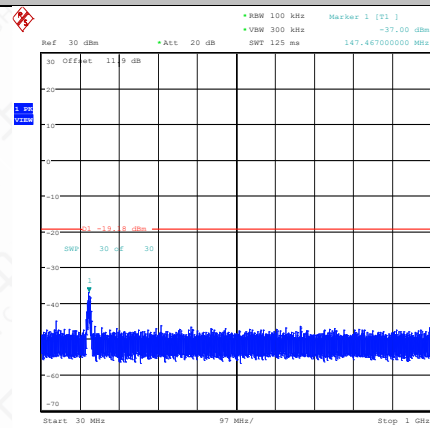
Date: 29.AUG.2024 14:23:39

11N20MIMO-Ant1-2462-30~1000-PASS



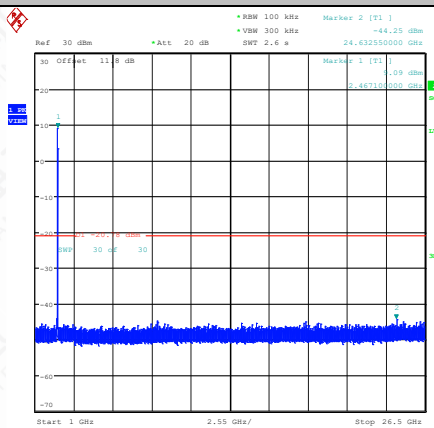
Date: 29.AUG.2024 14:13:50

11N20MIMO-Ant2-2462-30~1000-PASS



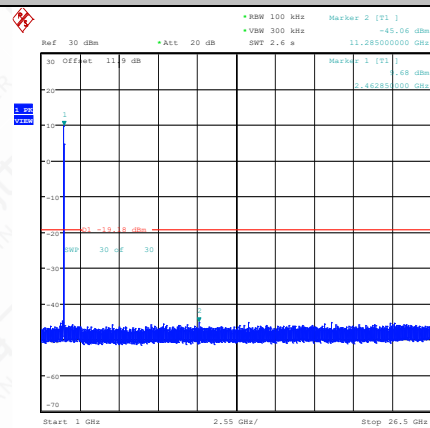
Date: 29.AUG.2024 14:23:50

11N20MIMO-Ant1-2462-1000~26500-PASS



Date: 29.AUG.2024 14:15:19

11N20MIMO-Ant2-2462-1000~26500-PASS



Date: 29.AUG.2024 14:25:19

