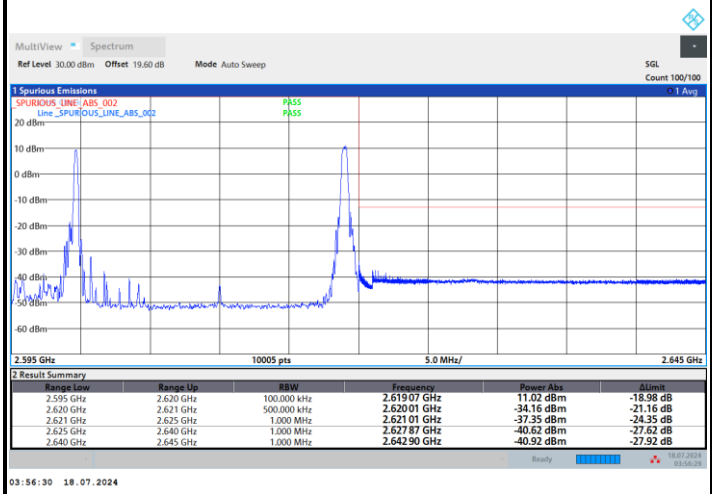
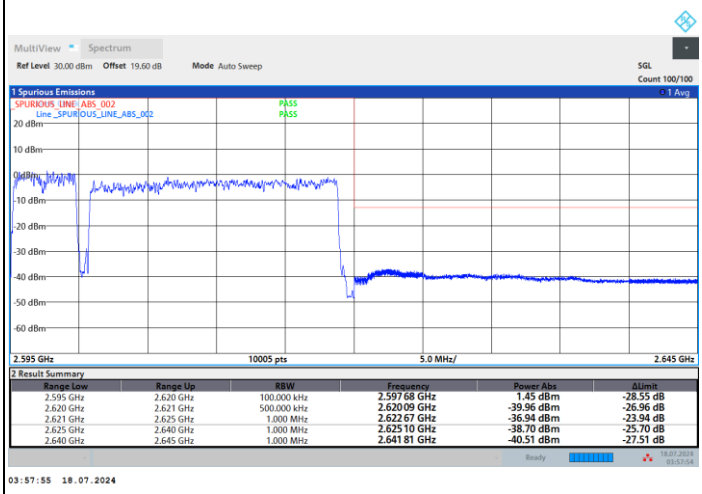
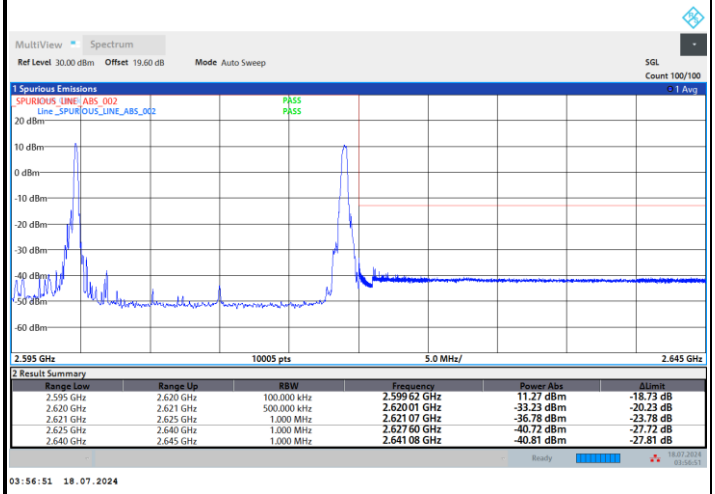
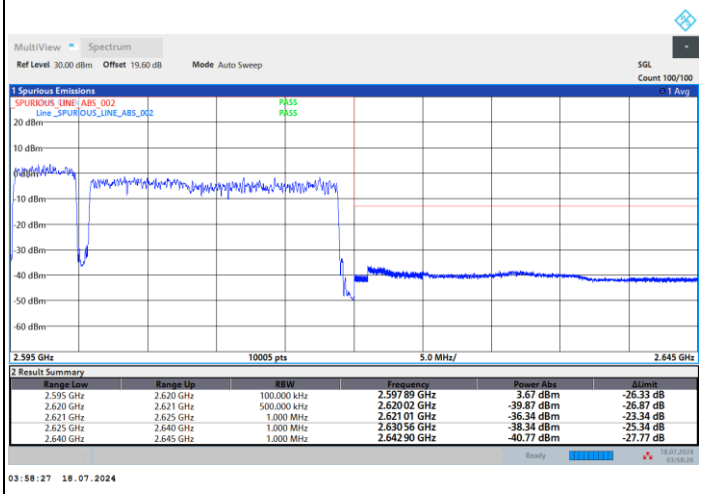
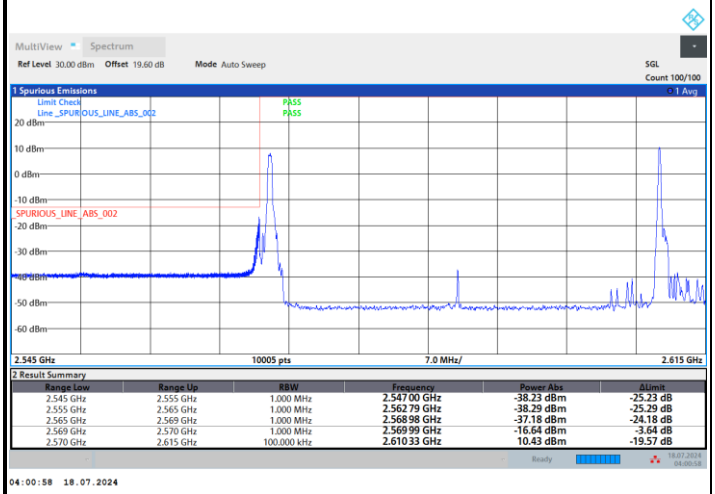
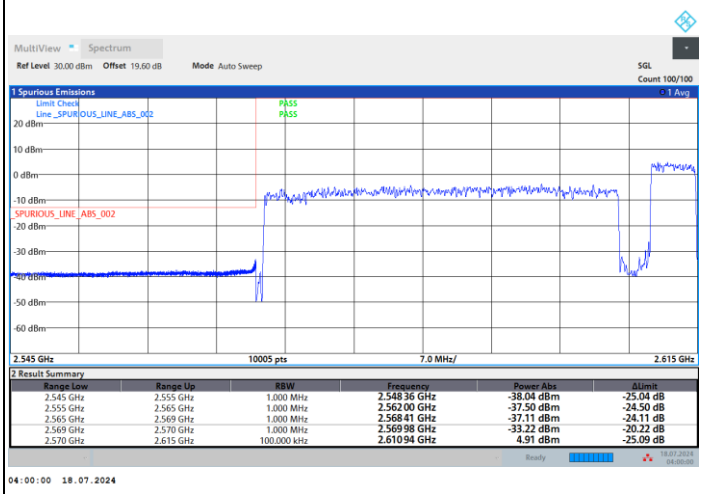
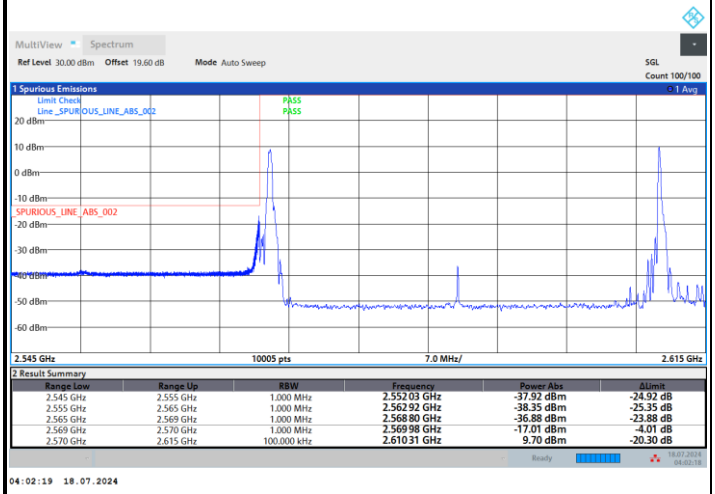
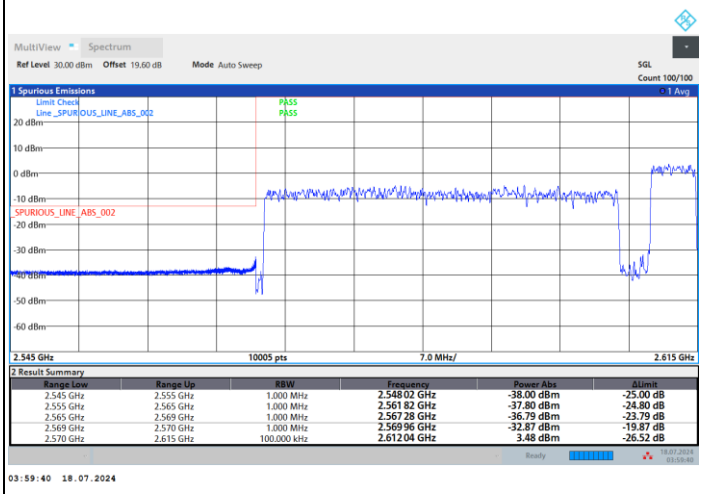
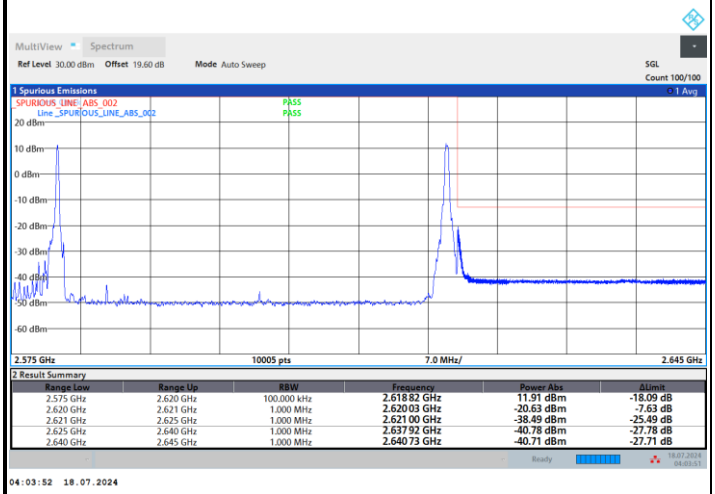
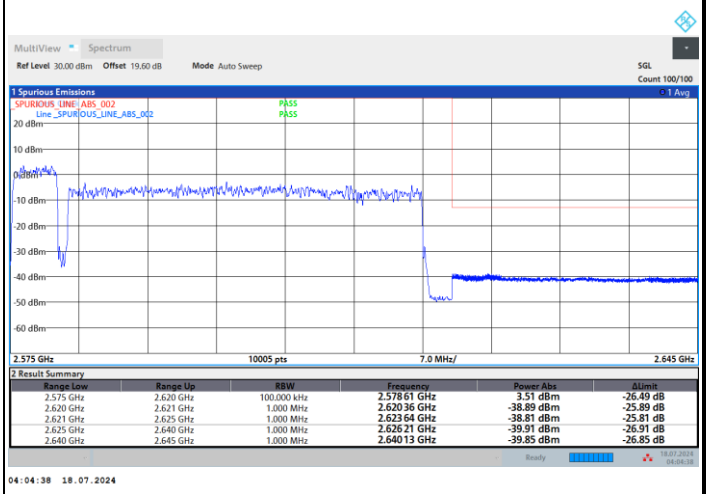
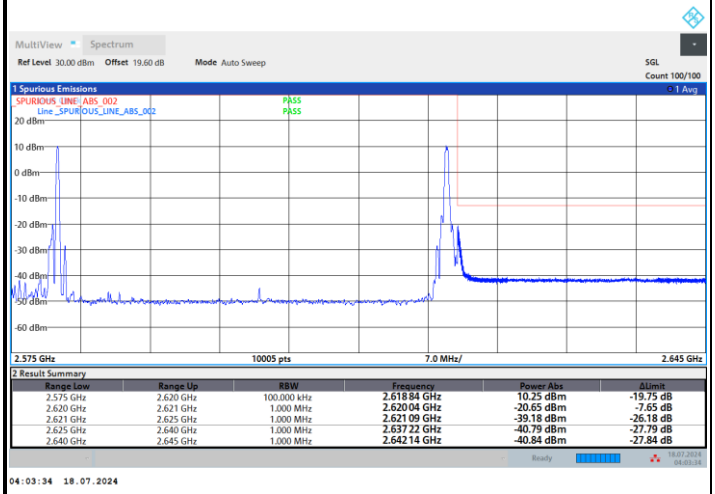
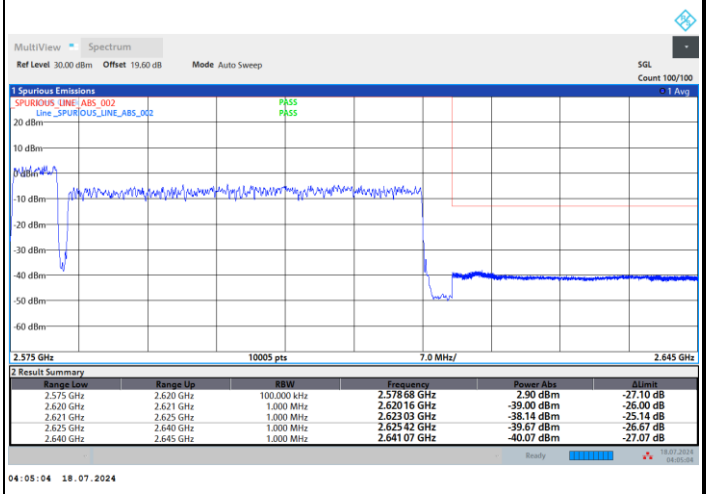
FR1 n38AA / 20MHz(NR)+5MHz(LTE) / DFT-S OFDM / BPSK	
Hightest Channel / 1RBmax+1RBmax	Hightest Channel / Full+Full
	

FR1 n38AA / 20MHz(NR)+5MHz(LTE) / DFT-S OFDM / QPSK	
Hightest Channel / 1RBmax+1RBmax	Hightest Channel / Full+Full
	

FR1 n38AA / 40MHz(NR)+5MHz(LTE) / DFT-S OFDM / BPSK	
Lowest Channel / 1RB0+1RB0	**Lowest Channel / Full+Full**
	
04:00:58 18.07.2024	04:00:00 18.07.2024

FR1 n38AA / 40MHz(NR)+5MHz(LTE) / DFT-S OFDM /QPSK	
Lowest Channel / 1RB0+1RB0	**Lowest Channel / Full+Full**
	
04:02:19 18.07.2024	03:59:40 18.07.2024

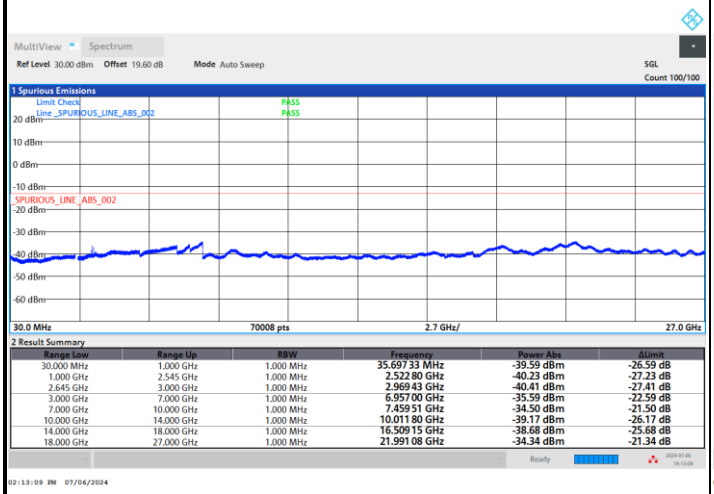
FR1 n38AA / 40MHz(NR)+5MHz(LTE) / DFT-S OFDM / BPSK	
Hightest Channel / 1RBmax+1RBmax	**Hightest Channel / Full+Full**
	
04:03:52 18.07.2024	04:04:38 18.07.2024

FR1 n38AA / 40MHz(NR)+5MHz(LTE) / DFT-S OFDM / QPSK	
Hightest Channel / 1RBmax+1RBmax	**Hightest Channel / Full+Full**
	
04:03:34 18.07.2024	04:05:04 18.07.2024

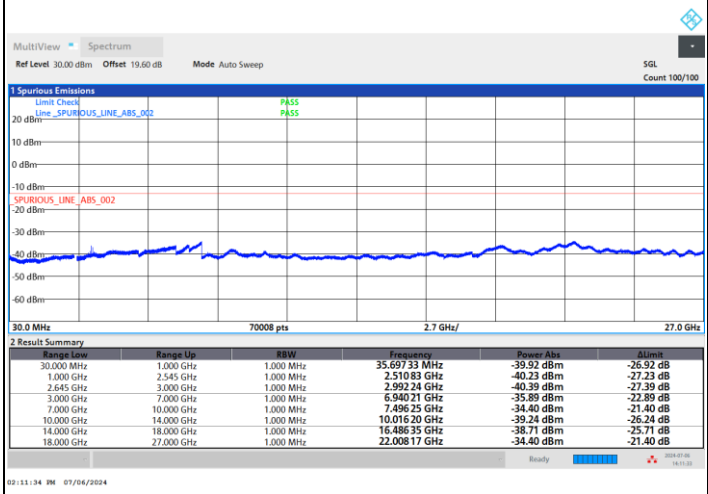
Conducted Spurious Emission

FR1 n38AA / 10MHz+5MHz / DFT-S OFDM / BPSK

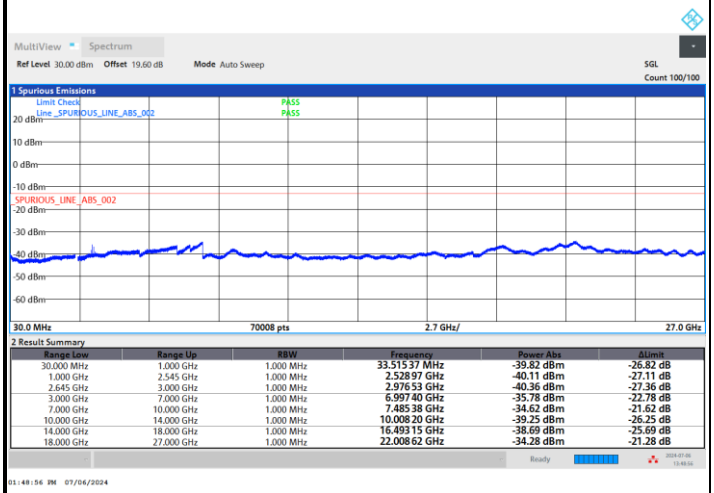
Lowest Channel / 1RB0



Middle Channel / 1RB0

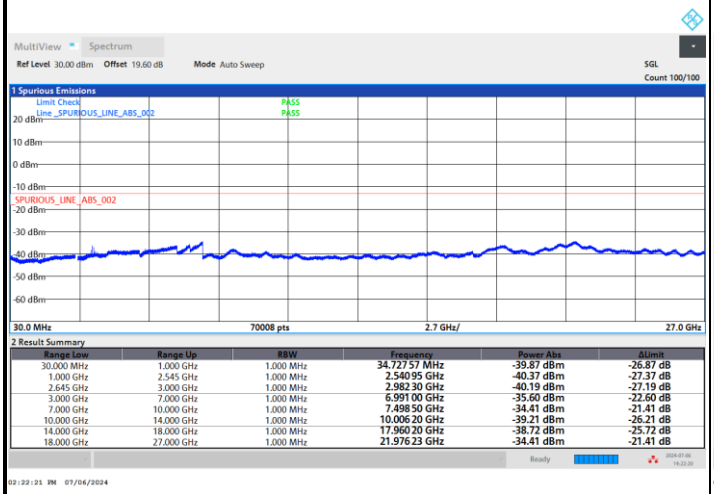
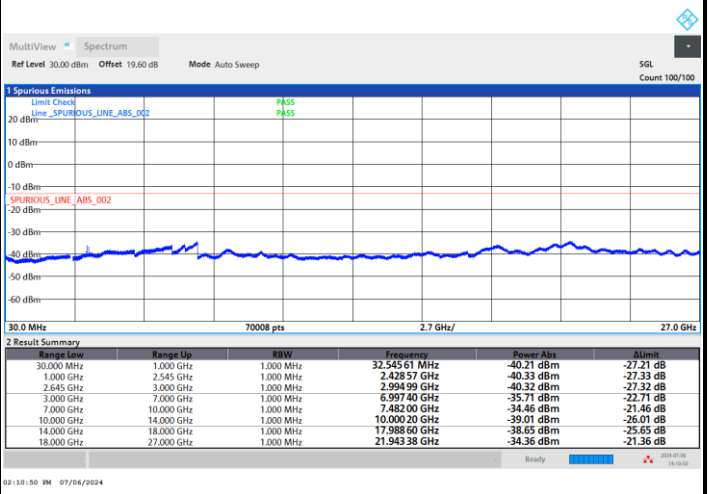
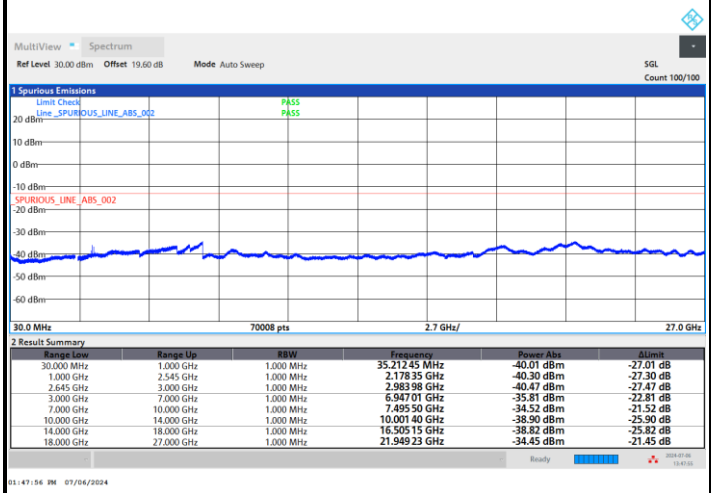


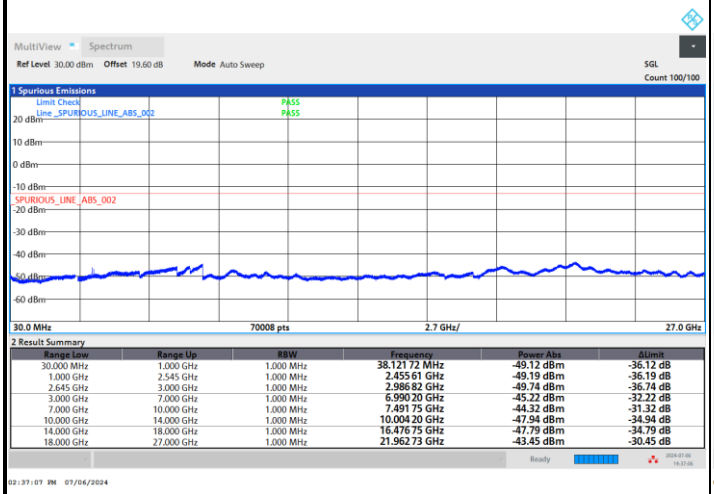
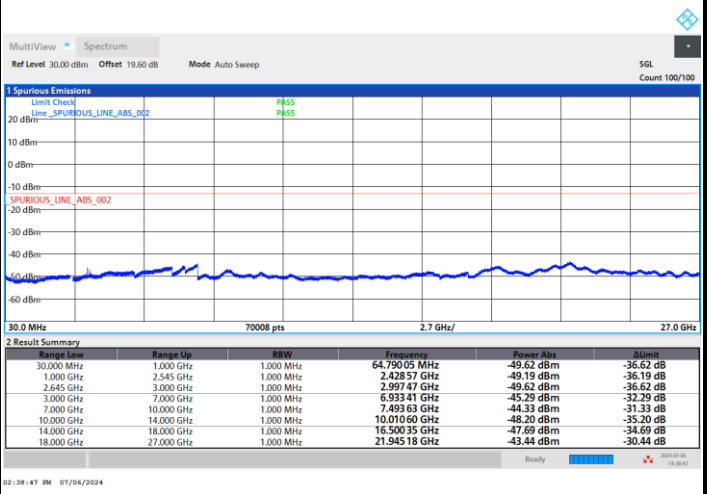
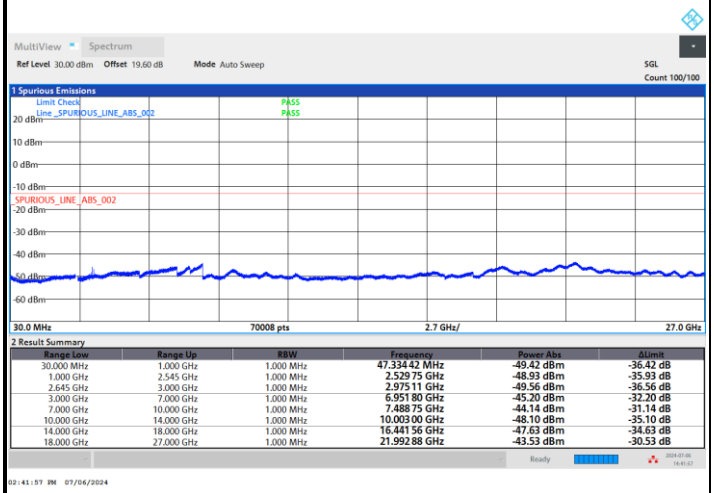
Hightest Channel / 1RB0

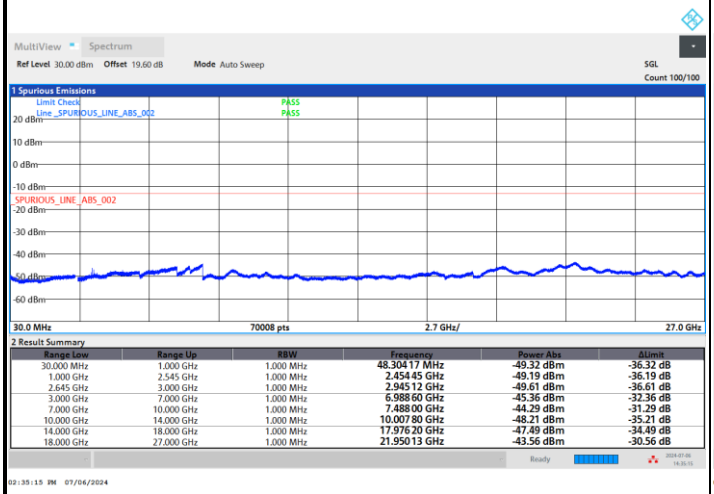
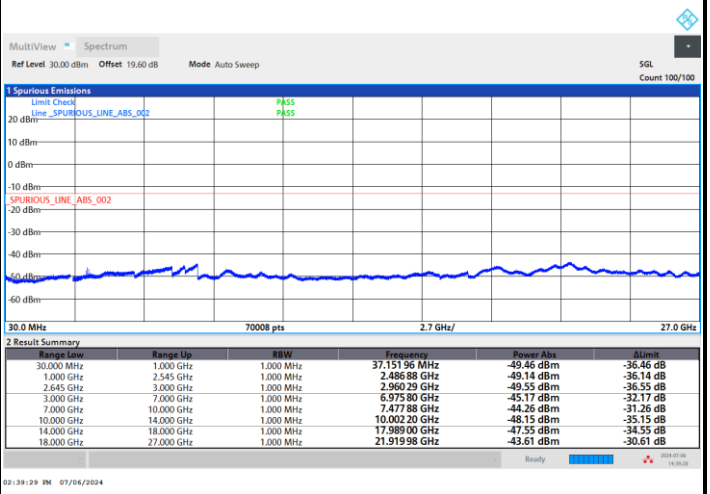
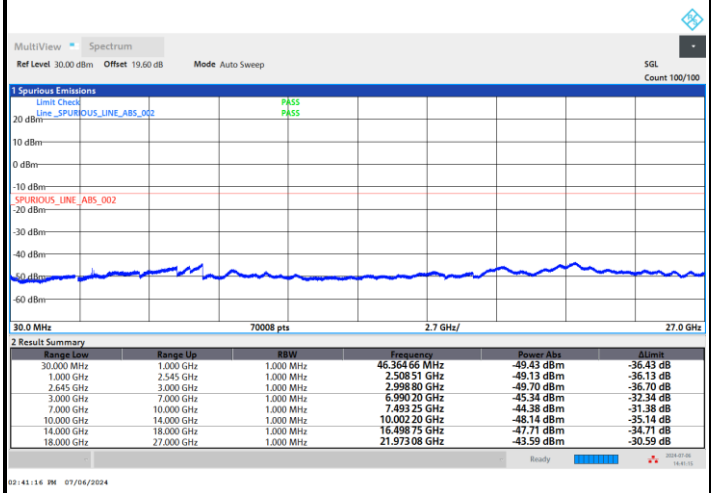


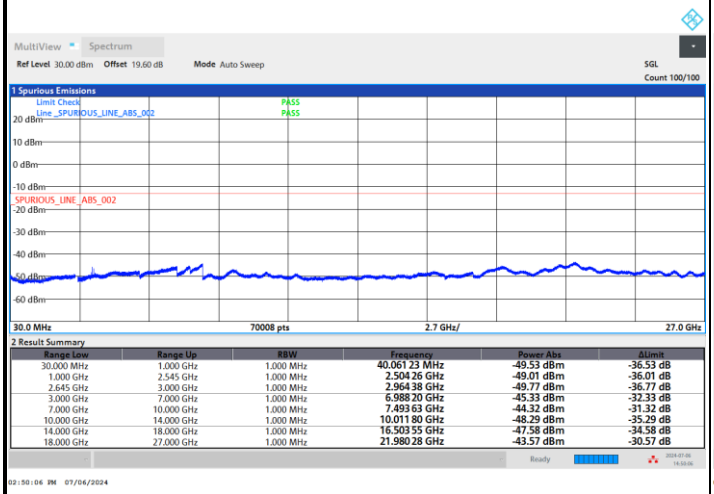
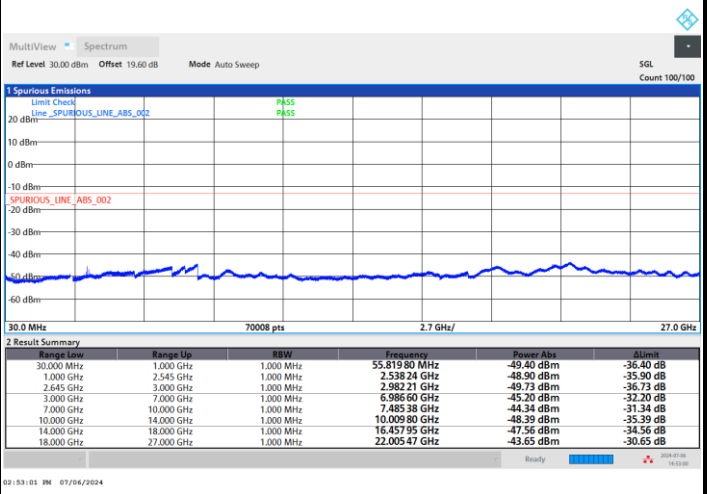
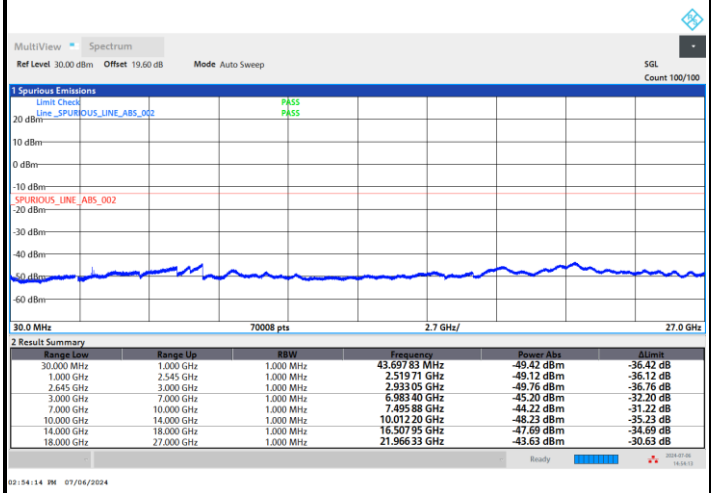
NA

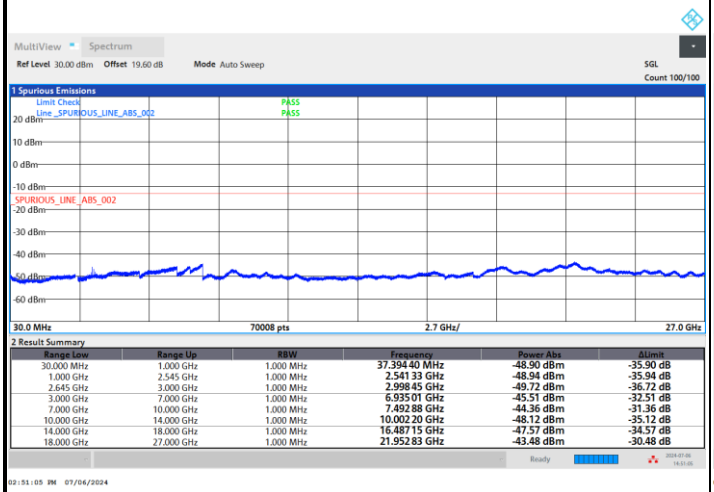
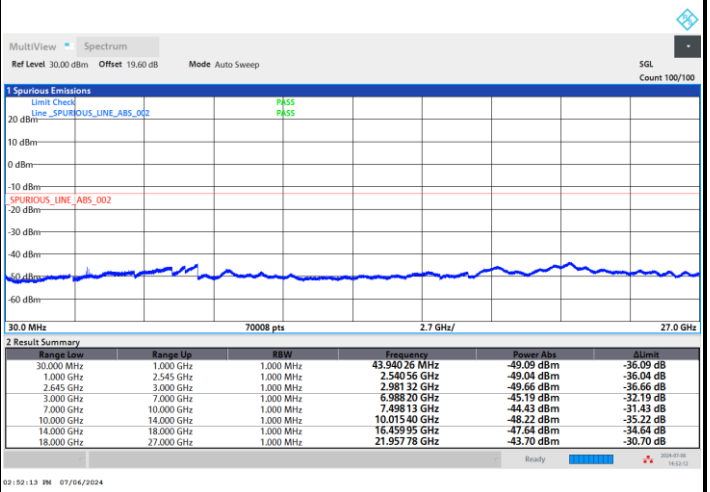
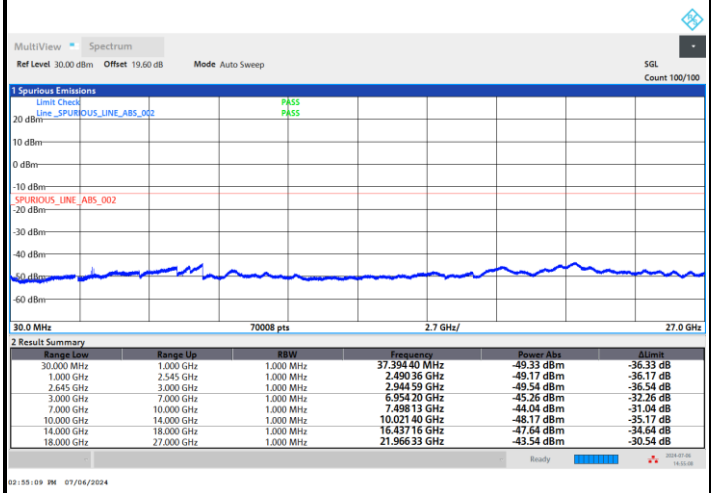
/

FR1 n38AA / 10MHz+5MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB0	**Middle Channel / 1RB0**
	
Hightest Channel / 1RB0	**NA**
	/

FR1 n38AA / 20MHz+5MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB0	**Middle Channel / 1RB0**
	
Hightest Channel / 1RB0	**NA**
	/

FR1 n38AA / 20MHz+5MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB0	**Middle Channel / 1RB0**
	
Hightest Channel / 1RB0	**NA**
	/

FR1 n38AA / 40MHz+5MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB0	**Middle Channel / 1RB0**
	
Hightest Channel / 1RB0	**NA**
	/

FR1 n38AA / 40MHz+5MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB0	**Middle Channel / 1RB0**
	
Hightest Channel / 1RB0	**NA**
	/

Frequency Stability

Test Conditions		NR n38AA (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz+20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0015	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0018	
20	Minimum Voltage	0.0015	

Note:

1. Normal Voltage =54V. ; Minimum Voltage =48V. ; Maximum Voltage =57V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n25 SA / NR 45MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3721.8	-59.07	-13	-46.07	-77.59	-65.82	5.85	12.60	H
	5582.7	-59.08	-13	-46.08	-81.44	-64.88	7.30	13.10	H
	7443.6	-53.82	-13	-40.82	-80.81	-56.97	8.35	11.50	H
	3721.8	-58.87	-13	-45.87	-77.3	-65.62	5.85	12.60	V
	5582.7	-58.81	-13	-45.81	-81.36	-64.61	7.30	13.10	V
	7443.6	-52.58	-13	-39.58	-79.58	-55.73	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_12A_n25A / LTE 10MHz + NR 45MHz / QPSK (ANT5+0)									
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 Middle	3721.8	-47.46	-13	-34.46	-65.98	-54.21	5.85	12.60	H
	5582.7	-59.00	-13	-46.00	-81.36	-64.80	7.30	13.10	H
	7443.6	-54.21	-13	-41.21	-81.20	-57.36	8.35	11.50	H
	3721.8	-51.99	-13	-38.99	-70.42	-58.74	5.85	12.60	V
	5582.7	-59.02	-13	-46.02	-81.57	-64.82	7.30	13.10	V
	7443.6	-53.64	-13	-40.64	-80.64	-56.79	8.35	11.50	V
LTE Band12 Middle	1406	-64.14	-13	-51.14	-74.87	-67.39	4.00	9.40	H
	2109	-61.30	-13	-48.30	-74.34	-64.87	4.88	10.60	H
	2812	-61.51	-13	-48.51	-77.53	-66.44	5.52	12.60	H
	1406	-64.78	-13	-51.78	-75.07	-68.03	4.00	9.40	V
	2109	-63.03	-13	-50.03	-76.02	-66.60	4.88	10.60	V
	2812	-61.51	-13	-48.51	-77.72	-66.44	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n66 SA / NR 45MHz / QPSK(ANT0)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3466.73	-61.45	-13	-48.45	-78.35	-68.30	5.65	12.50	H
	5170.1	-59.92	-13	-46.92	-81.75	-65.59	7.13	12.80	H
	6893.46	-55.99	-13	-42.99	-81.56	-59.39	8.40	11.80	H
	3466.73	-61.27	-13	-48.27	-78.19	-68.12	5.65	12.50	V
	5170.1	-59.70	-13	-46.70	-81.8	-65.37	7.13	12.80	V
	6893.46	-55.78	-13	-42.78	-81.83	-59.18	8.40	11.80	V

EN-DC_48A_n66A / LTE 20MHz + NR 45MHz / QPSK (ANT5+0)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 Middle	3466.73	-64.19	-13	-51.19	-59.70	-71.04	5.65	12.50	H
	5170.1	-64.51	-13	-51.51	-63.20	-70.18	7.13	12.80	H
	6893.46	-60.59	-13	-47.59	-65.03	-63.99	8.40	11.80	H
	3466.73	-64.30	-13	-51.30	-59.83	-71.15	5.65	12.50	V
	5170.1	-64.51	-13	-51.51	-63.47	-70.18	7.13	12.80	V
	6893.46	-60.23	-13	-47.23	-65.15	-63.63	8.40	11.80	V
LTE Band48 Middle	7232.00	-59.50	-40	-19.50	-65.44	-62.80	8.30	11.60	H
	10848.00	-55.52	-40	-15.52	-67.80	-57.04	10.48	12.00	H
	14464.00	-50.23	-40	-10.23	-67.97	-51.93	11.80	13.50	H
	7232.00	-59.14	-40	-19.14	-65.39	-62.44	8.30	11.60	V
	10848.00	-56.04	-40	-16.04	-67.95	-57.56	10.48	12.00	V
	14464.00	-50.87	-40	-10.87	-68.03	-52.57	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n41B SA / NR 100MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5185.98	-60.60	-13	-47.60	-82.40	-66.16	7.14	12.70	H
	7778.97	-54.57	-13	-41.57	-81.40	-57.87	8.30	11.60	H
	10371.96	-50.69	-13	-37.69	-81.77	-52.21	10.48	12.00	H
	5185.98	-60.24	-13	-47.24	-82.33	-65.80	7.14	12.70	V
	7778.97	-54.63	-13	-41.63	-81.29	-57.93	8.30	11.60	V
	10371.96	-51.93	-13	-38.93	-82.18	-53.45	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n38AA SA / NR 100MHz / QPSK(ANT0+1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n38 Middle	5147.48	-59.39	-13	-34.39	-81.24	-64.95	7.14	12.70	H
	7721.22	-54.10	-13	-29.10	-80.84	-57.40	8.30	11.60	H
	10294.96	-50.03	-13	-25.03	-81.21	-51.55	10.48	12.00	H
	5147.48	-59.23	-13	-34.23	-81.33	-64.79	7.14	12.70	V
	7721.22	-54.20	-13	-29.20	-80.82	-57.50	8.30	11.60	V
	10294.96	-51.36	-13	-26.36	-81.55	-52.88	10.48	12.00	V
LTE Band38 Middle	5185.50	-60.09	-13	-35.09	-81.89	-65.65	7.14	12.70	H
	7778.25	-54.09	-13	-29.09	-80.92	-57.39	8.30	11.60	H
	10371.00	-50.43	-13	-25.43	-81.51	-51.95	10.48	12.00	H
	5185.50	-59.98	-13	-34.98	-82.07	-65.54	7.14	12.70	V
	7778.25	-54.40	-13	-29.40	-81.06	-57.70	8.30	11.60	V
	10371.00	-51.53	-13	-26.53	-81.78	-53.05	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.