

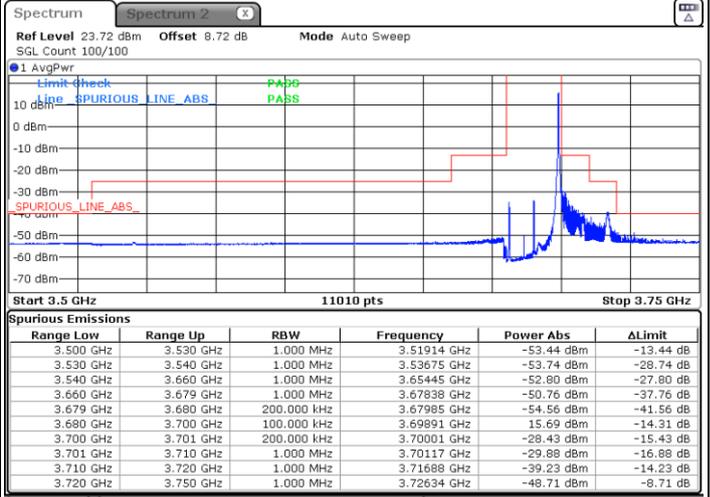
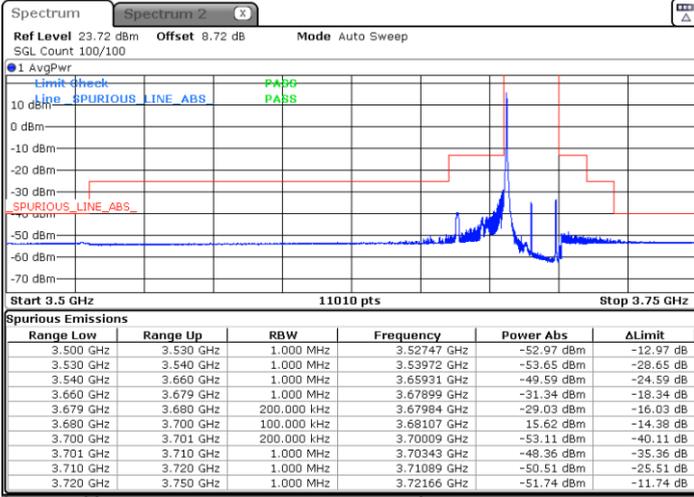


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

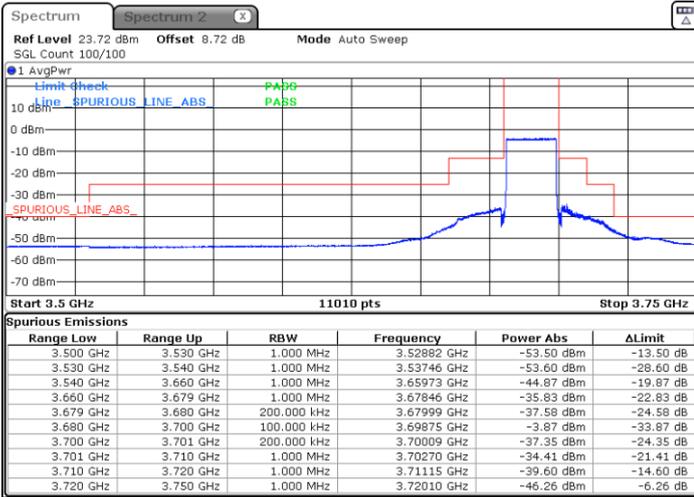


Date: 13.NOV.2024 08:10:35

Date: 13.NOV.2024 08:17:42

Highest Channel / FullIRB

N/A



Date: 13.NOV.2024 08:24:50



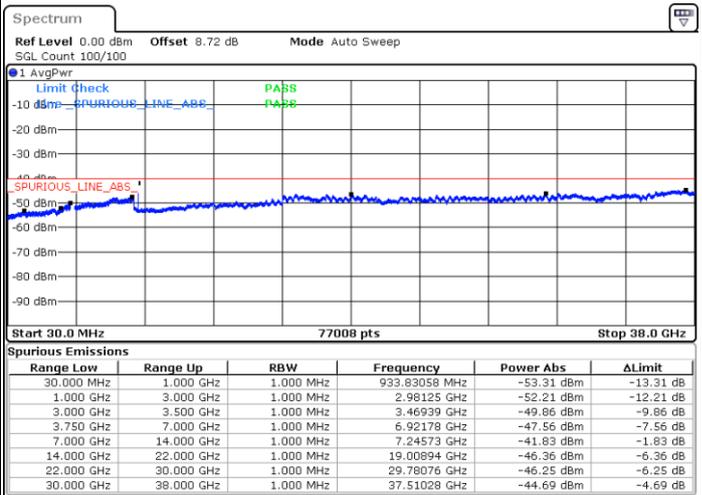
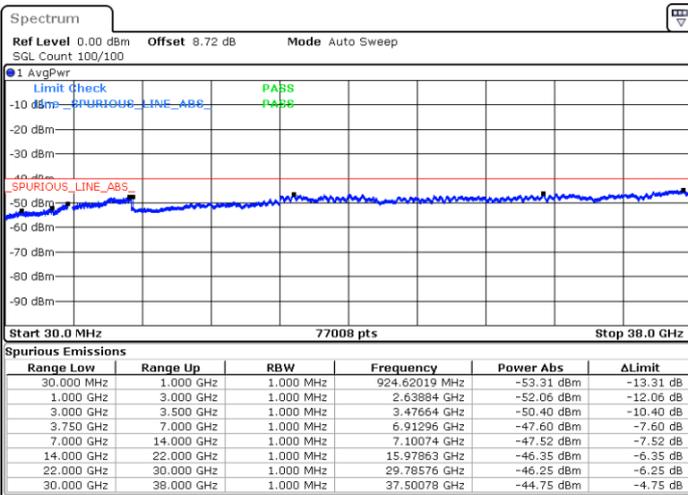
Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

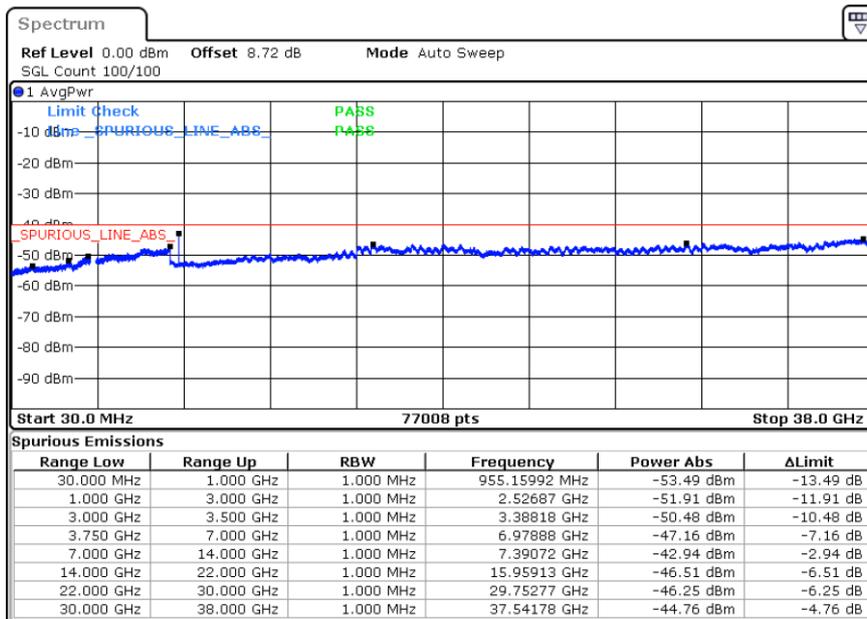
Middle Channel



Date: 19.NOV.2024 16:52:08

Date: 19.NOV.2024 16:53:29

Highest Channel



Date: 19.NOV.2024 16:54:49

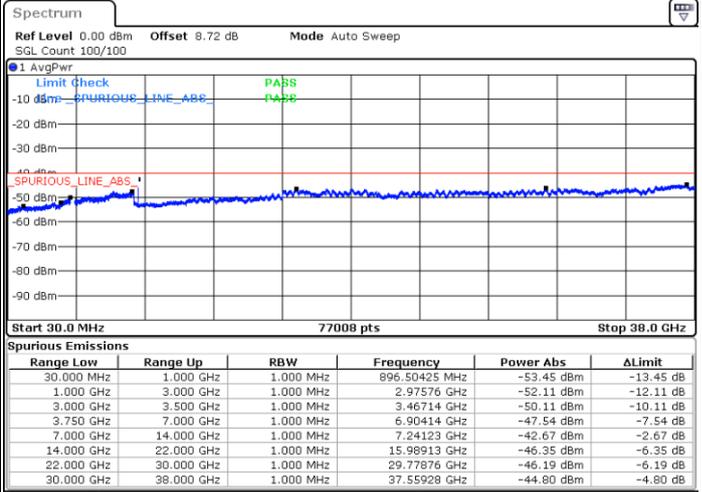
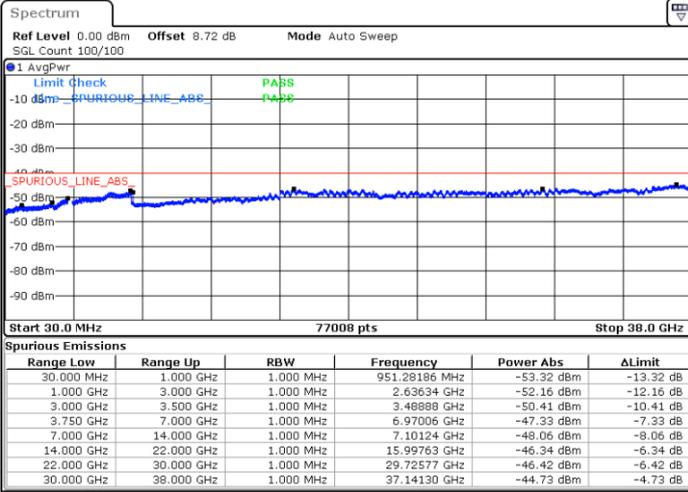


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

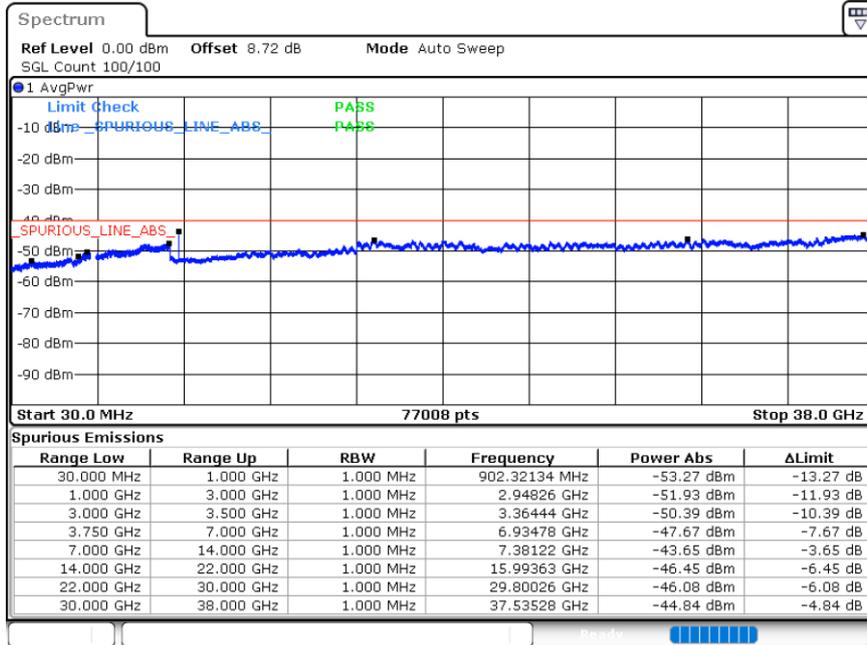
Middle Channel



Date: 19.NOV.2024 16:56:11

Date: 19.NOV.2024 16:57:32

Highest Channel



Date: 19.NOV.2024 16:58:52

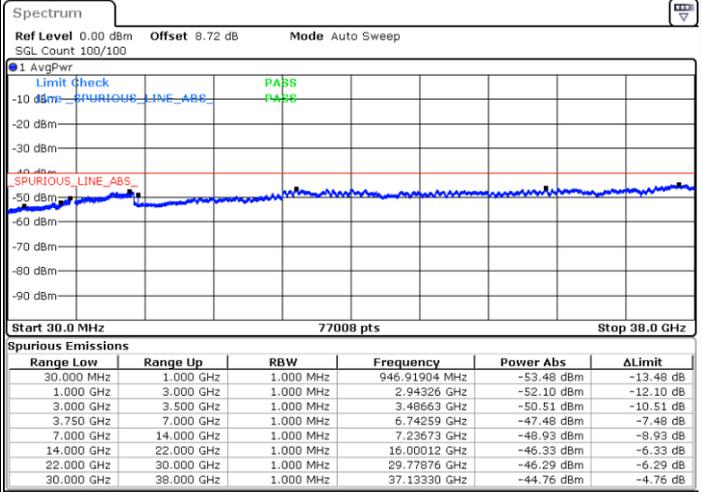
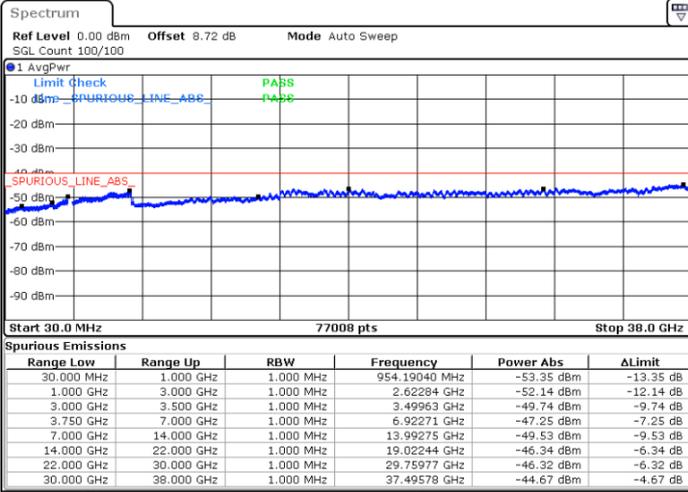


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

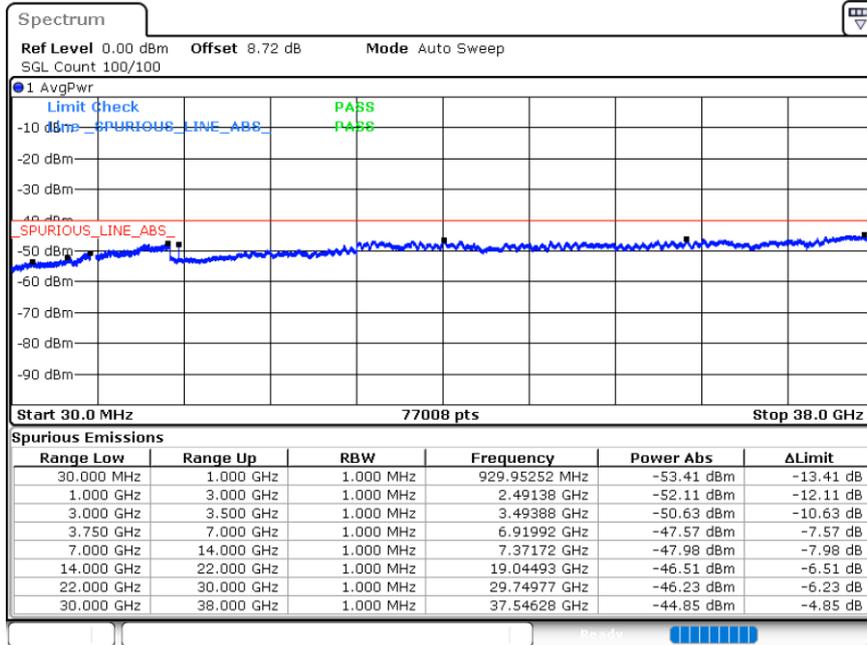
Middle Channel



Date: 19.NOV.2024 17:00:14

Date: 19.NOV.2024 17:01:34

Highest Channel



Date: 19.NOV.2024 17:02:55

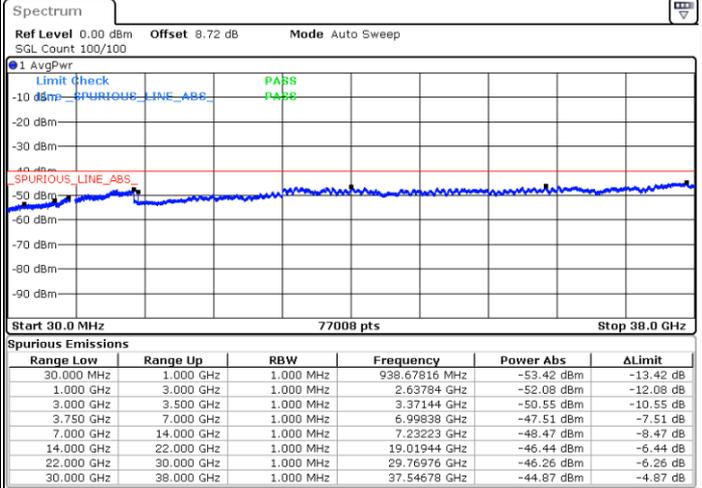
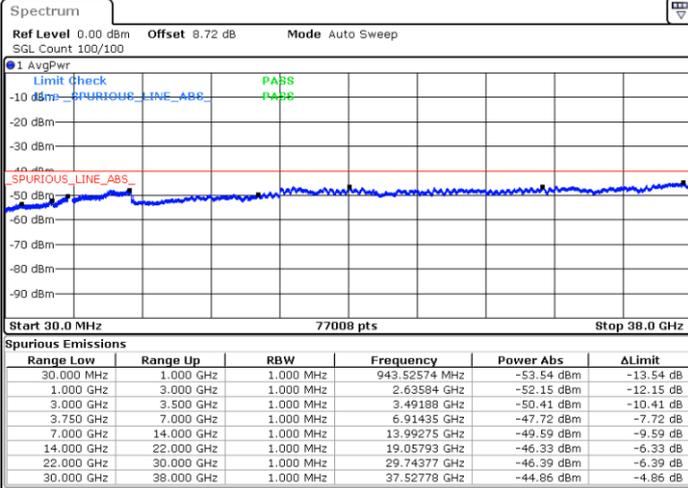


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

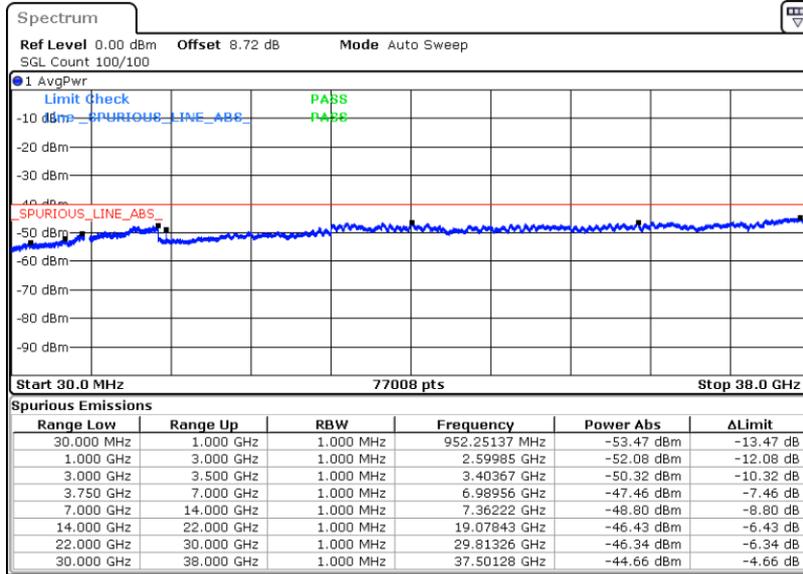
Middle Channel



Date: 19.NOV.2024 17:04:16

Date: 19.NOV.2024 17:05:17

Highest Channel



Date: 19.NOV.2024 17:06:57



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK / Ant.10								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7231	-60.06	-40	-20.06	-71.52	2.84	14.30	H
	10850	-59.34	-40	-19.34	-69.28	3.49	13.43	H
	14469	-59.46	-40	-19.46	-69.70	3.85	14.09	H
	7231	-60.62	-40	-20.62	-72.08	2.84	14.30	V
	10850	-59.75	-40	-19.75	-69.69	3.49	13.43	V
	14469	-59.52	-40	-19.52	-69.76	3.85	14.09	V

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

LTE Band 48 / 20MHz / QPSK / Ant. 4 - other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7231	-62.62	-40	-22.62	-74.08	2.84	14.30	H
	10850	-59.46	-40	-19.46	-69.40	3.49	13.43	H
	14469	-59.50	-40	-19.50	-69.74	3.85	14.09	H
	7231	-62.53	-40	-22.53	-73.99	2.84	14.30	V
	10850	-59.58	-40	-19.58	-69.52	3.49	13.43	V
	14469	-59.45	-40	-19.45	-69.69	3.85	14.09	V

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