

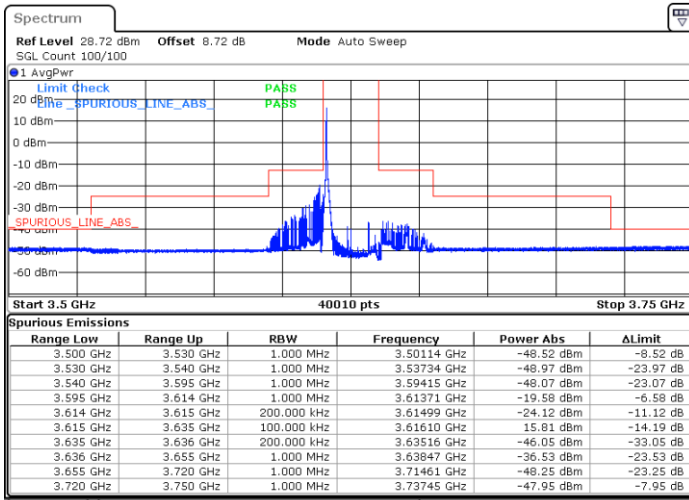


LTE Band 48 / 20MHz

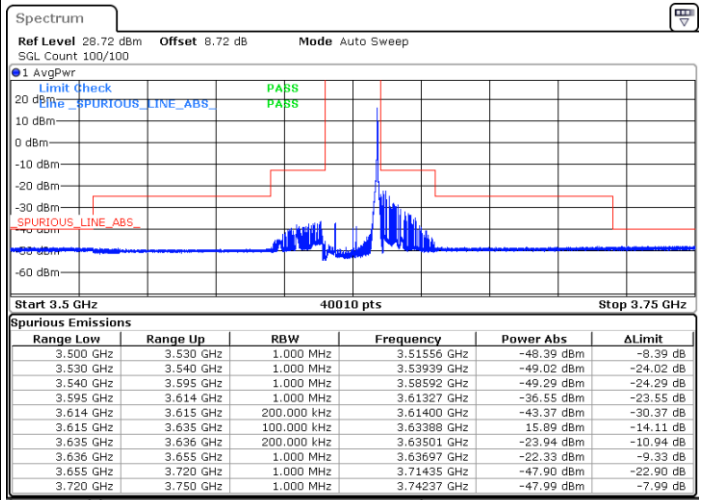
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



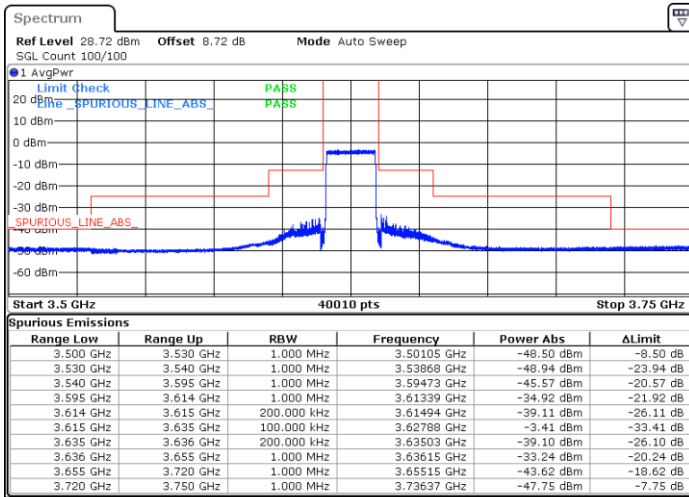
Date: 27.NOV.2025 22:08:46



Date: 27.NOV.2025 22:17:56

Middle Channel / Full

N/A



Date: 27.NOV.2025 22:27:07

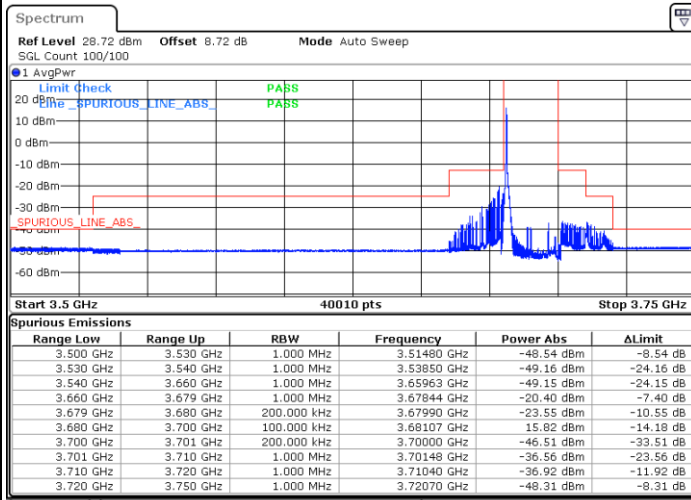


LTE Band 48 / 20MHz

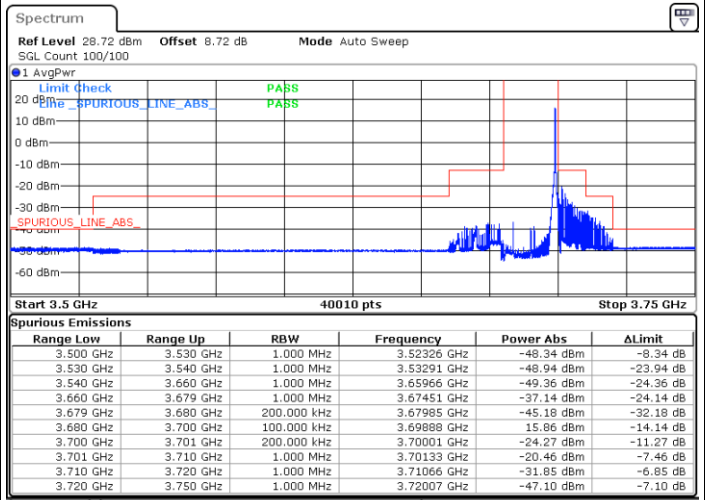
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



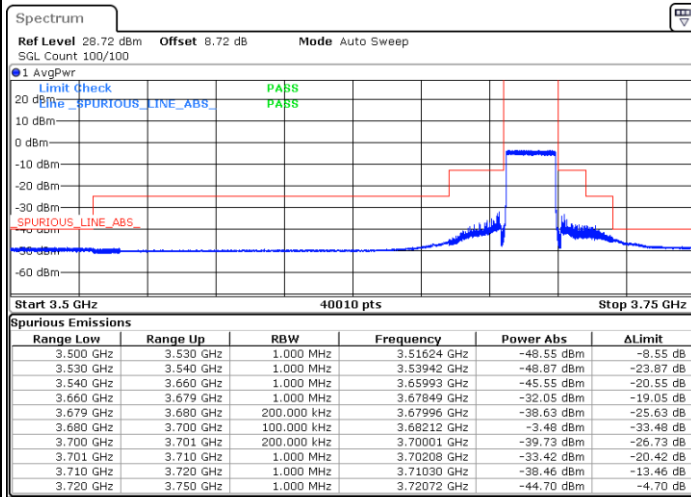
Date: 27.NOV.2025 22:36:20



Date: 27.NOV.2025 22:45:33

Highest Channel / FullIRB

N/A



Date: 27.NOV.2025 22:54:47



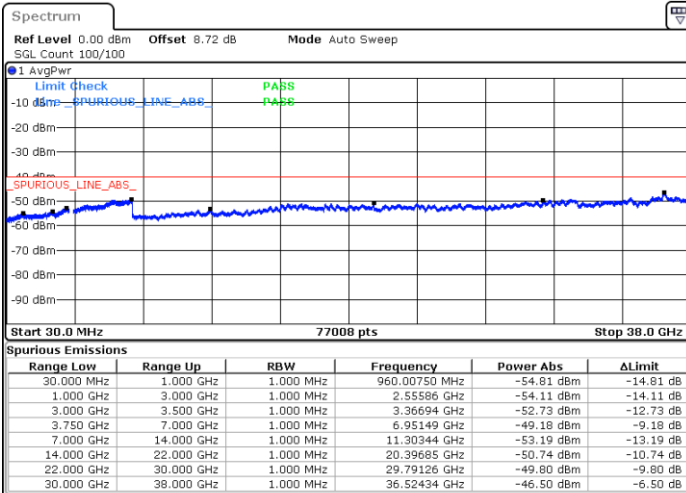
Conducted Spurious Emission

LTE Band 48 / 5MHz

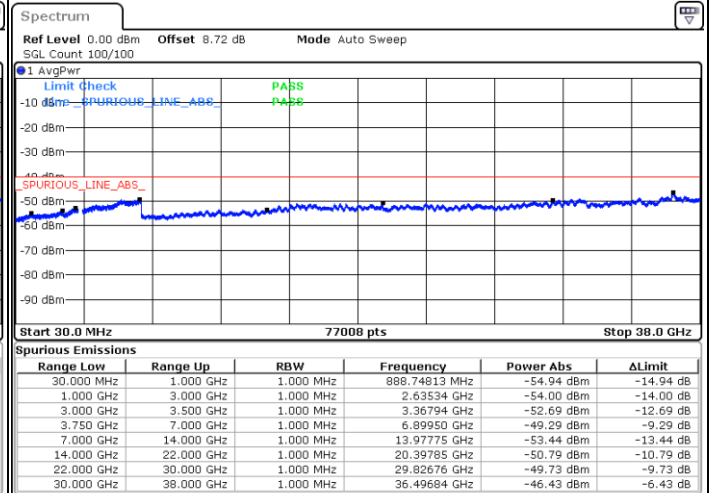
QPSK / 1RB0

Lowest Channel

Middle Channel

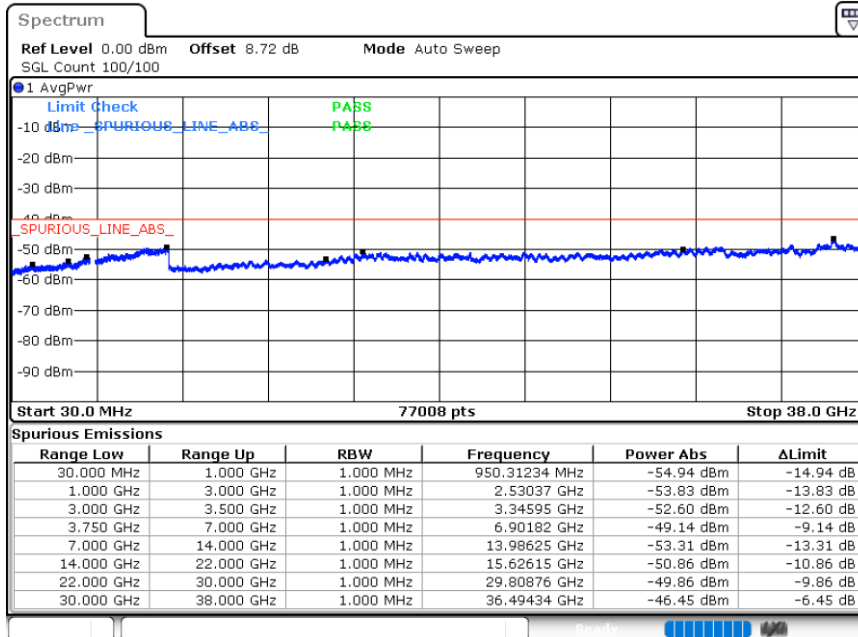


Date: 9.DEC.2025 20:11:16



Date: 9.DEC.2025 20:13:16

Highest Channel



Date: 9.DEC.2025 20:15:16

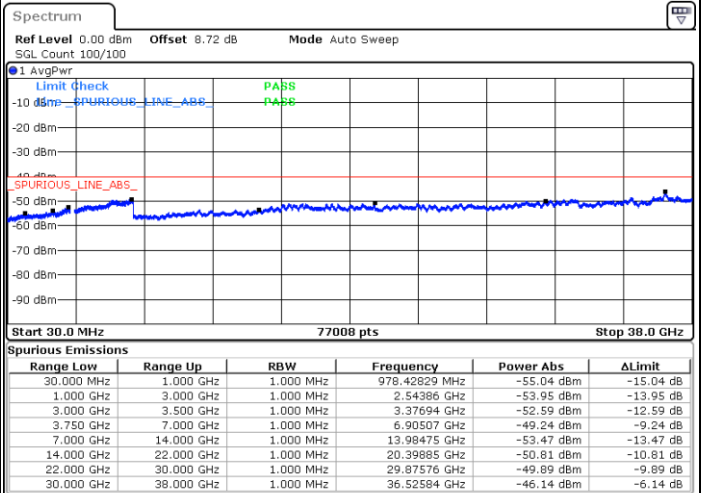
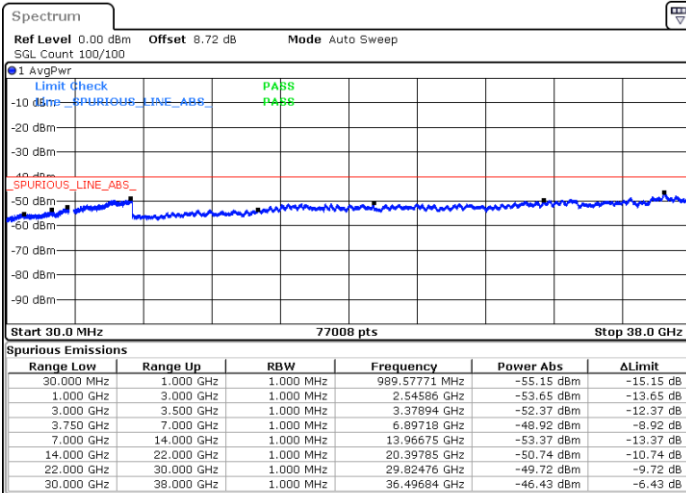


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

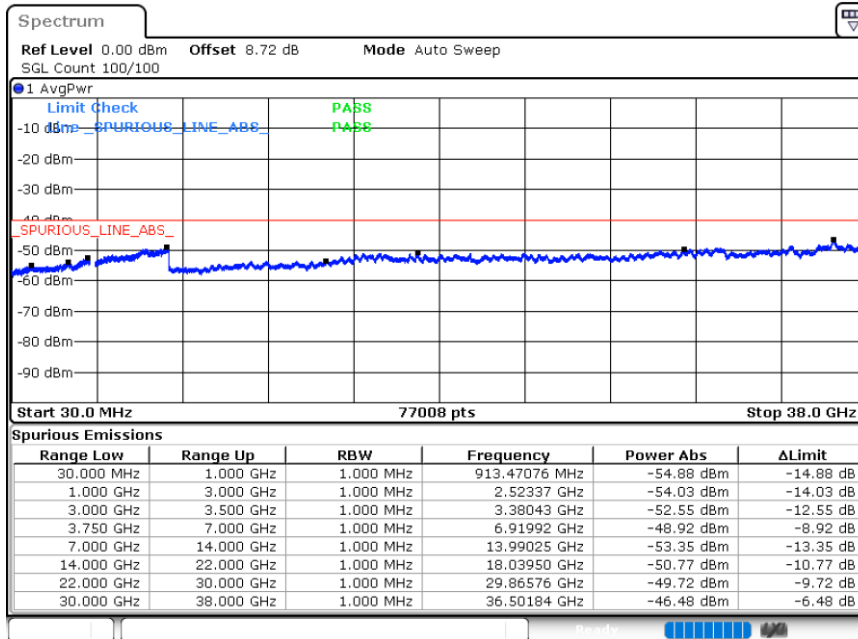
Middle Channel



Date: 9.DEC.2025 20:17:16

Date: 9.DEC.2025 20:19:16

Highest Channel



Date: 9.DEC.2025 20:21:16



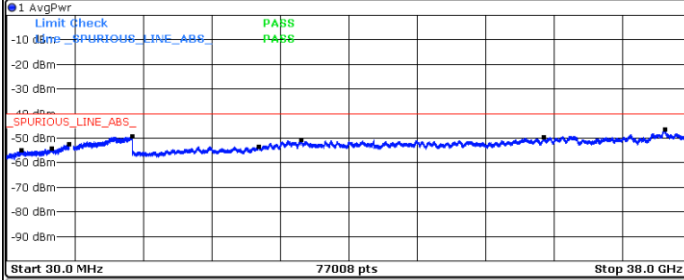
LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

Middle Channel

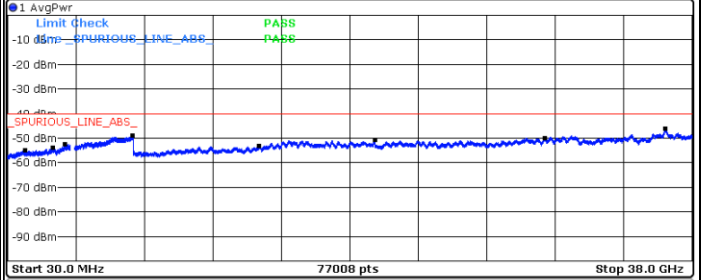
Spectrum

Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.29685 MHz	-55.01 dBm	-15.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51937 GHz	-54.09 dBm	-14.09 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.49813 GHz	-52.57 dBm	-12.57 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.99745 GHz	-49.21 dBm	-9.21 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.99425 GHz	-53.43 dBm	-13.43 dB
14.000 GHz	22.000 GHz	1.000 MHz	16.38260 GHz	-50.70 dBm	-10.70 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.83076 GHz	-49.73 dBm	-9.73 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.53434 GHz	-46.55 dBm	-6.55 dB

Spectrum

Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

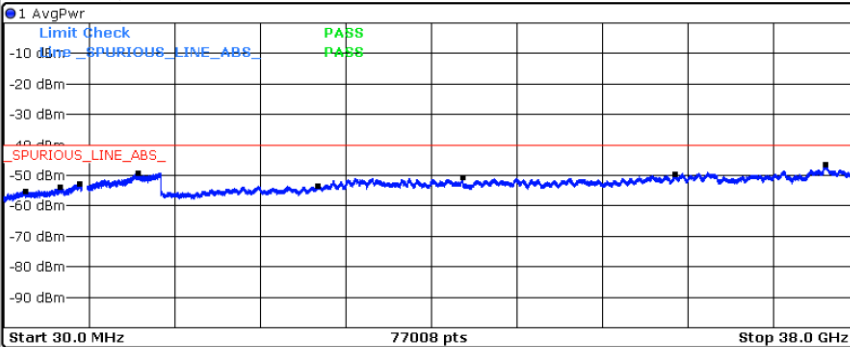
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-54.97 dBm	-14.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51337 GHz	-54.01 dBm	-14.01 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.21677 GHz	-52.48 dBm	-12.48 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94685 GHz	-48.98 dBm	-8.98 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.97425 GHz	-53.29 dBm	-13.29 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39635 GHz	-50.65 dBm	-10.65 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.84926 GHz	-49.89 dBm	-9.89 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50634 GHz	-46.24 dBm	-6.24 dB

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Date: 9.DEC.2025 20:25:16

Highest Channel

Spectrum

Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-55.14 dBm	-15.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51187 GHz	-53.80 dBm	-13.80 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.38618 GHz	-52.66 dBm	-12.66 dB
3.750 GHz	7.000 GHz	1.000 MHz	5.98545 GHz	-49.21 dBm	-9.21 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.98775 GHz	-53.43 dBm	-13.43 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39735 GHz	-50.73 dBm	-10.73 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.81526 GHz	-49.74 dBm	-9.74 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.49984 GHz	-46.48 dBm	-6.48 dB

Date: 9.DEC.2025 20:27:15



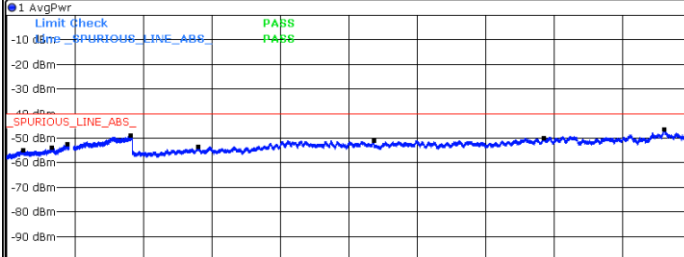
LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

Middle Channel

Spectrum

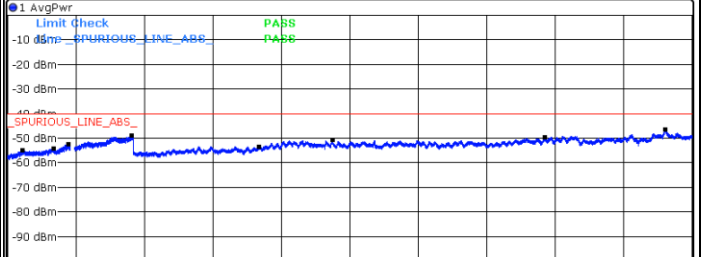
Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 77008 pts Stop 38.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-54.98 dBm	-14.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51137 GHz	-54.01 dBm	-14.01 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.39268 GHz	-52.50 dBm	-12.50 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.90182 GHz	-48.99 dBm	-8.99 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.65349 GHz	-53.52 dBm	-13.52 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39585 GHz	-50.88 dBm	-10.88 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.85026 GHz	-49.84 dBm	-9.84 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50734 GHz	-46.53 dBm	-6.53 dB

Spectrum

Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 77008 pts Stop 38.0 GHz

Spurious Emissions

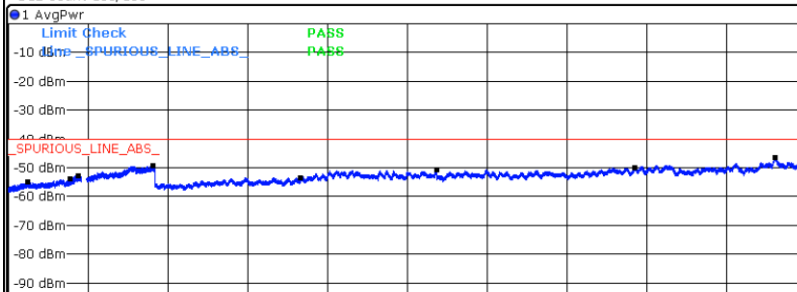
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	865.47976 MHz	-55.04 dBm	-15.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.55736 GHz	-54.15 dBm	-14.15 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.38243 GHz	-52.53 dBm	-12.53 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92596 GHz	-48.95 dBm	-8.95 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.97075 GHz	-53.55 dBm	-13.55 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.03950 GHz	-50.85 dBm	-10.85 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.85276 GHz	-49.65 dBm	-9.65 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50034 GHz	-46.31 dBm	-6.31 dB

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Date: 9,DEC,2025 20:31:15

Highest Channel

Spectrum

Ref Level 0.00 dBm Offset 8.72 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 77008 pts Stop 38.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-54.86 dBm	-14.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96126 GHz	-53.94 dBm	-13.94 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.34370 GHz	-52.82 dBm	-12.82 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92410 GHz	-49.16 dBm	-9.16 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.92776 GHz	-53.45 dBm	-13.45 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39285 GHz	-50.70 dBm	-10.70 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.81326 GHz	-49.91 dBm	-9.91 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.49734 GHz	-46.42 dBm	-6.42 dB

Date: 9,DEC,2025 20:33:15

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	0.0038	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0044	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.2 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 :	Jake	Temperature :	21~25℃
		Relative Humidity :	51~53%

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 / ANT2								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7231	-61.55	-40	-21.55	-73.01	2.84	14.30	H
	10850	-58.95	-40	-18.95	-68.89	3.49	13.43	H
	14469	-58.87	-40	-18.87	-69.11	3.85	14.09	H
	7231	-61.87	-40	-21.87	-73.33	2.84	14.30	V
	10850	-59.16	-40	-19.16	-69.10	3.49	13.43	V
	14469	-56.15	-40	-16.15	-66.39	3.85	14.09	V

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