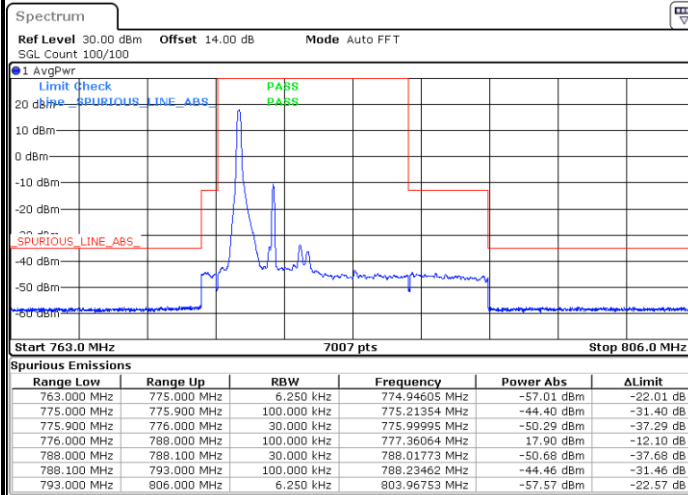




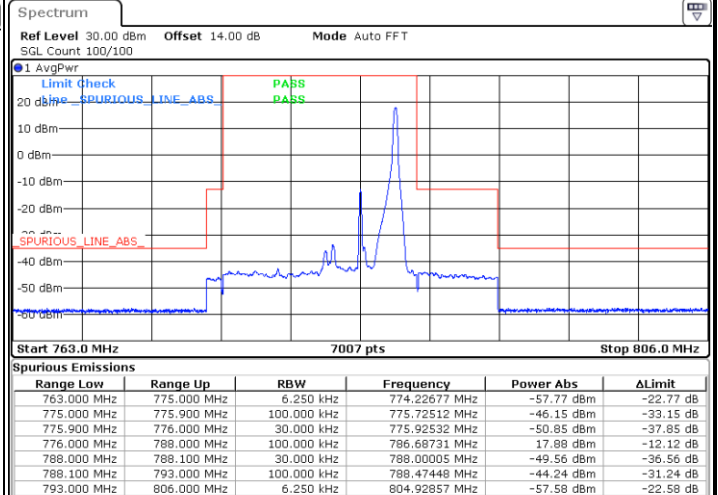
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



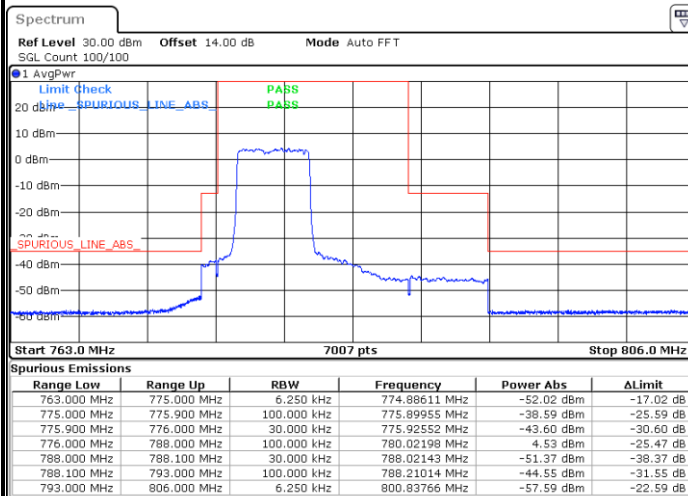
Date: 29.MAY.2025 13:55:57

Highest Band Edge / 1 RB



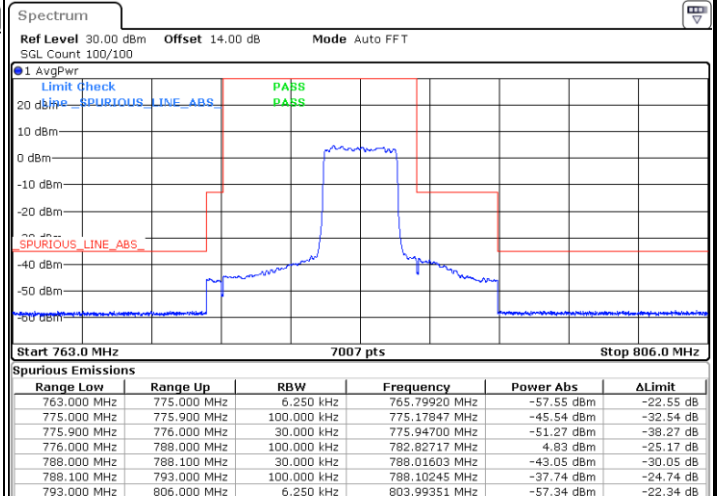
Date: 29.MAY.2025 14:03:20

Lowest Band Edge / Full RB



Date: 29.MAY.2025 13:58:00

Highest Band Edge / Full RB

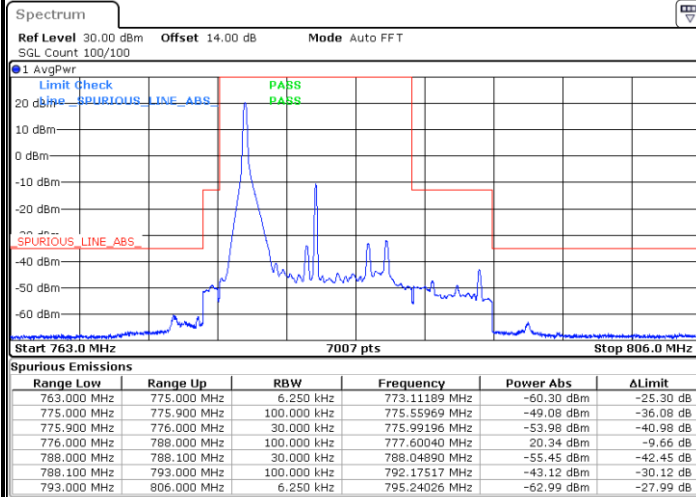


Date: 29.MAY.2025 14:05:22



LTE Band 13 / 10MHz / QPSK

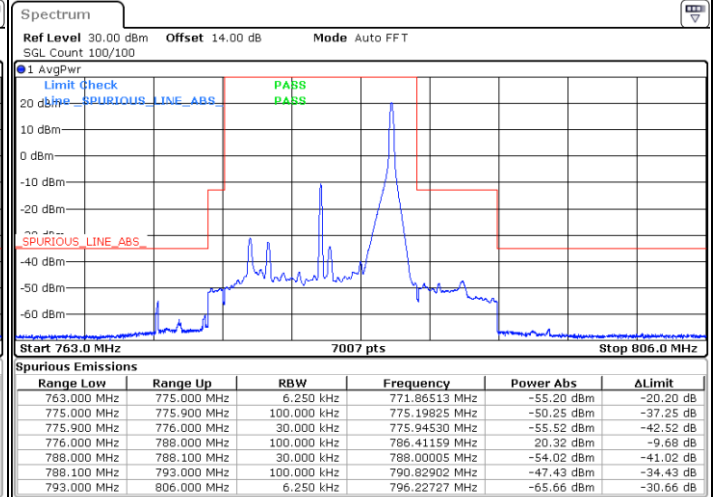
Band Edge / 1 RB



Date: 29.MAY.2025 14:07:45

LTE Band 13 / 10MHz / QPSK

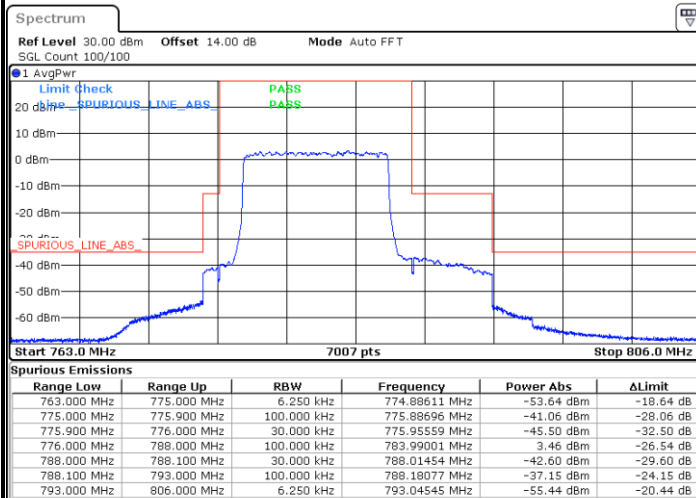
Band Edge / 1 RB



Date: 29.MAY.2025 14:09:45

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



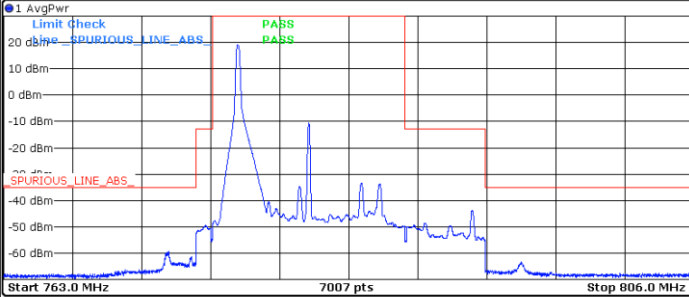
Date: 29.MAY.2025 14:11:46



LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

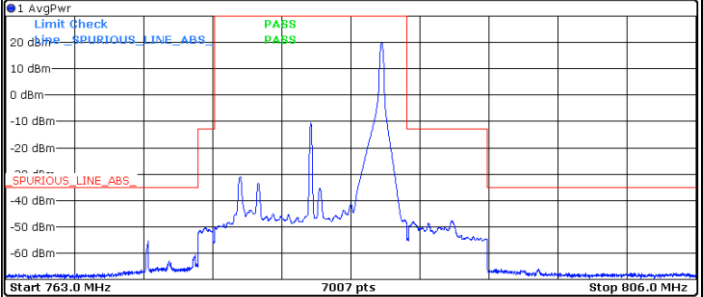
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.26773 MHz	-59.40 dBm	-24.40 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.56868 MHz	-49.52 dBm	-36.52 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-54.59 dBm	-41.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	-19.11 dBm	-10.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06419 MHz	-55.50 dBm	-42.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.17028 MHz	-43.70 dBm	-30.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.24026 MHz	-63.31 dBm	-28.31 dB

Date: 29.MAY.2025 14:08:25

LTE Band 13 / 10MHz / 16QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

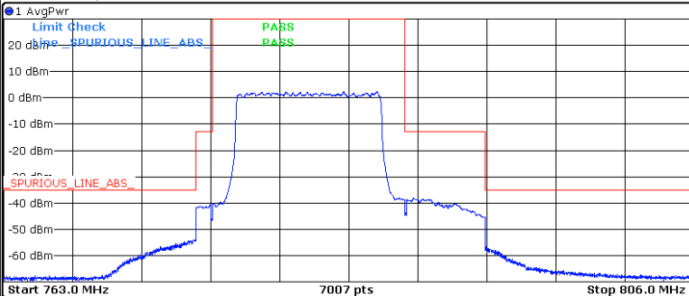
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.86513 MHz	-55.47 dBm	-20.47 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.43831 MHz	-50.51 dBm	-37.51 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94640 MHz	-55.63 dBm	-42.63 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	-19.74 dBm	-10.26 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03751 MHz	-54.54 dBm	-41.54 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.80455 MHz	-47.80 dBm	-34.80 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.18831 MHz	-65.93 dBm	-30.93 dB

Date: 29.MAY.2025 14:10:25

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-53.67 dBm	-18.67 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85819 MHz	-40.87 dBm	-27.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-45.88 dBm	-32.88 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.25574 MHz	2.32 dBm	-27.68 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05200 MHz	-43.78 dBm	-30.78 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.52832 MHz	-38.25 dBm	-25.25 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-56.61 dBm	-21.61 dB

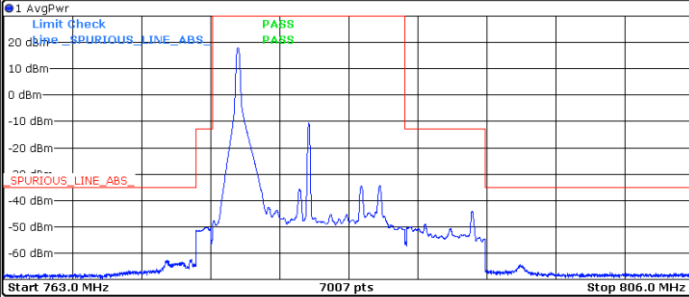
Date: 29.MAY.2025 14:12:26



LTE Band 13 / 10MHz / 64QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

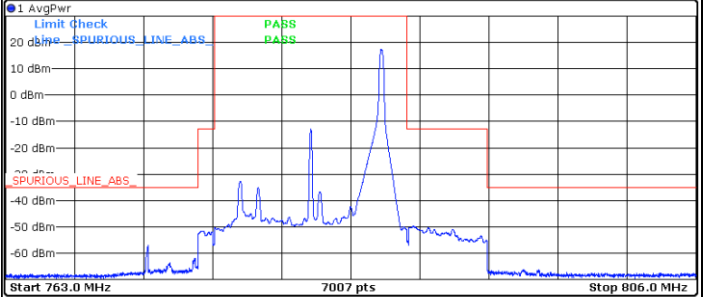
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.71828 MHz	-62.26 dBm	-27.26 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.69456 MHz	-50.24 dBm	-37.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99266 MHz	-54.69 dBm	-41.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	-19.16 dBm	-11.84 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04141 MHz	-55.87 dBm	-42.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.17028 MHz	-43.97 dBm	-30.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.16234 MHz	-64.22 dBm	-29.22 dB

Date: 29.MAY.2025 14:09:05

LTE Band 13 / 10MHz / 64QAM

Band Edge / 1 RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

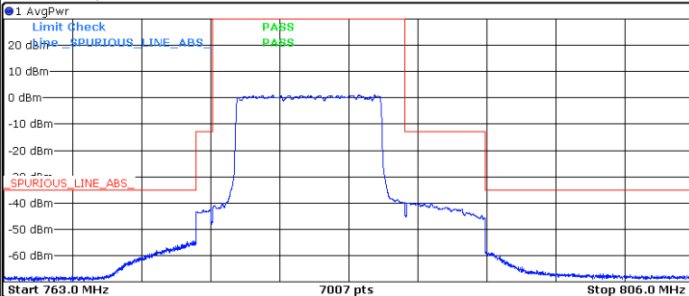
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.85315 MHz	-57.18 dBm	-22.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.30974 MHz	-51.60 dBm	-38.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-56.61 dBm	-43.61 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37562 MHz	-17.53 dBm	-12.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00744 MHz	-55.49 dBm	-42.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.38636 MHz	-49.67 dBm	-36.67 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22727 MHz	-66.28 dBm	-31.28 dB

Date: 29.MAY.2025 14:11:05

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 14.00 dB Mode Auto FFT
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.83816 MHz	-54.48 dBm	-19.48 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.42662 MHz	-42.69 dBm	-29.69 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98806 MHz	-47.19 dBm	-34.19 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.12887 MHz	-1.08 dBm	-28.92 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-44.52 dBm	-31.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.79266 MHz	-39.84 dBm	-26.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-58.63 dBm	-23.63 dB

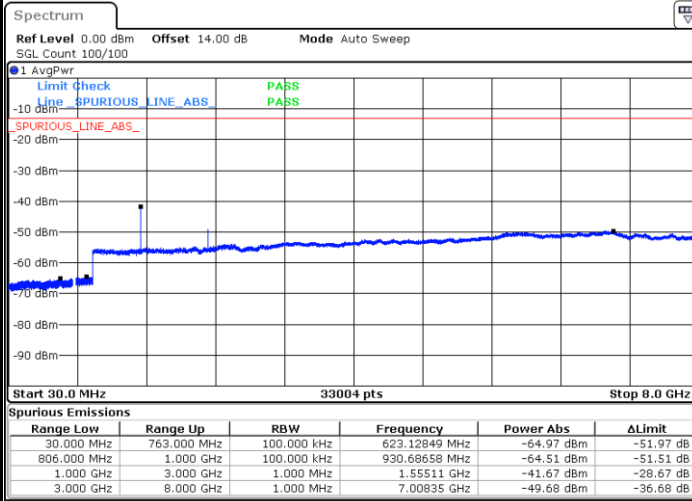
Date: 29.MAY.2025 14:13:06



Conducted Spurious Emission

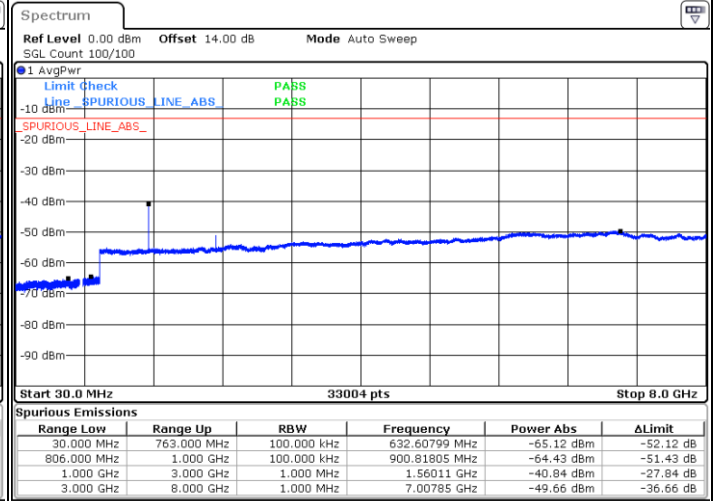
LTE Band 13 / 5MHz

Lowest Channel / QPSK



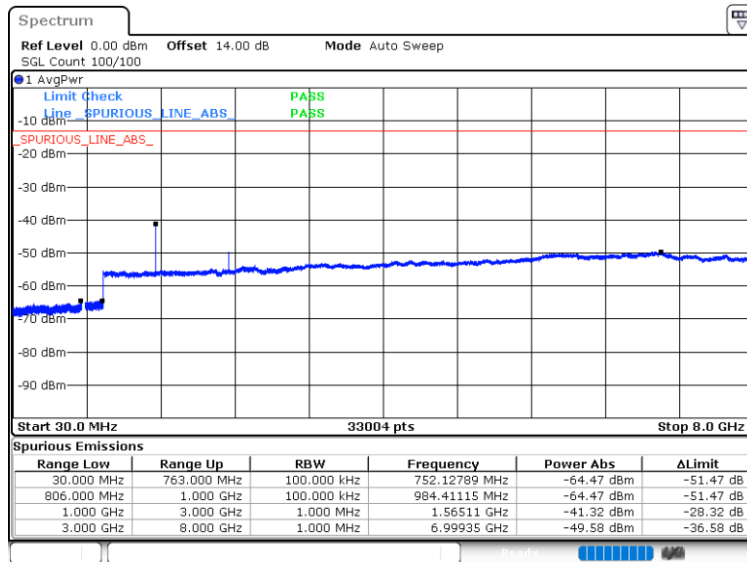
Date: 29.MAY.2025 13:59:00

Middle Channel / QPSK



Date: 29.MAY.2025 13:59:59

Highest Channel / QPSK

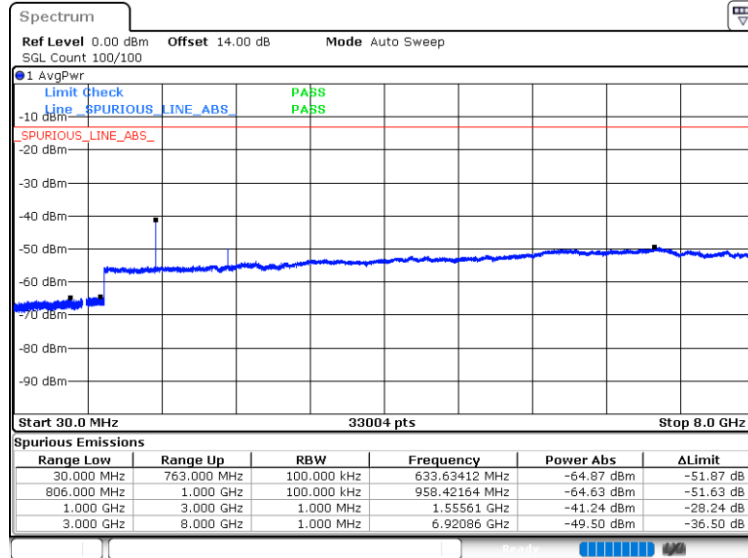


Date: 29.MAY.2025 14:06:22



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 29.MAY.2025 14:14:05

**Frequency Stability**

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.92 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.53 V.
2. 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°C
		Relative Humidity :	48~52%

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 12 / 10MHz / QPSK /ANT0									
Channel	Frequency (MHz)	ERP (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	1406	-46.39	-13	-33.39	-56.66	-49.64	4.00	9.40	H
	2109	-61.61	-13	-48.61	-74.38	-65.18	4.88	10.60	H
	2812	-62.14	-13	-49.14	-77.46	-67.07	5.52	12.60	H
	1408	-55.61	-13	-42.61	-65.44	-58.86	4.00	9.40	V
	2109	-63.35	-13	-50.35	-76.07	-66.92	4.88	10.60	V
	2812	-61.68	-13	-48.68	-77.19	-66.61	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK /ANT1									
Channel	Frequency (MHz)	ERP (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	1559.5	-65.12	-42.15	-22.97	-74.72	-68.37	4.00	9.40	H
	2339.25	-63.08	-13	-50.08	-77.40	-66.65	4.88	10.60	H
	3119	-61.92	-13	-48.92	-78.30	-66.85	5.52	12.60	H
	1559.5	-64.62	-42.15	-22.47	-74.30	-67.87	4.00	9.40	V
	2339.25	-63.12	-13	-50.12	-77.44	-66.69	4.88	10.60	V
	3119	-61.94	-13	-48.94	-78.36	-66.87	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK /ANT1									
Channel	Frequency (MHz)	ERP (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	1559.5	-65.79	-42.15	-23.64	-75.39	-69.04	4.00	9.40	H
	2339.25	-63.44	-13	-50.44	-77.76	-67.01	4.88	10.60	H
	3119	-61.86	-13	-48.86	-78.24	-66.79	5.52	12.60	H
	1559.5	-65.16	-42.15	-23.01	-74.84	-68.41	4.00	9.40	V
	2339.25	-63.13	-13	-50.13	-77.45	-66.70	4.88	10.60	V
	3119	-61.87	-13	-48.87	-78.29	-66.80	5.52	12.60	V

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