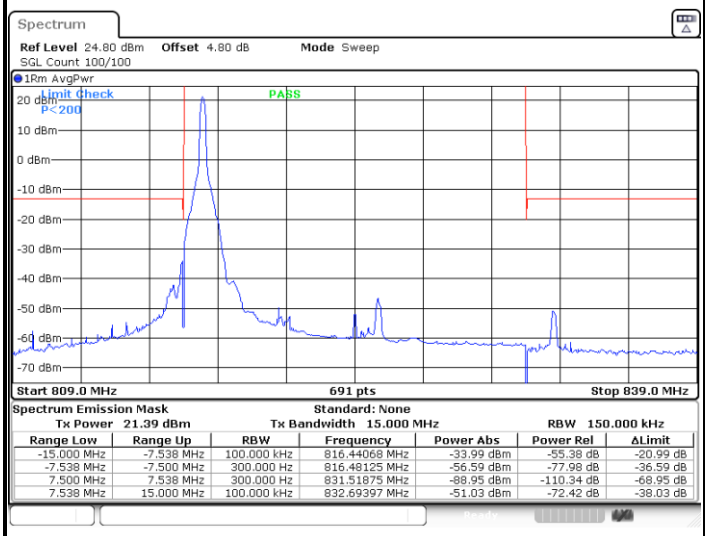
LTE Band 26 / 15MHz / 16QAM

Highest Band Edge / 1 RB

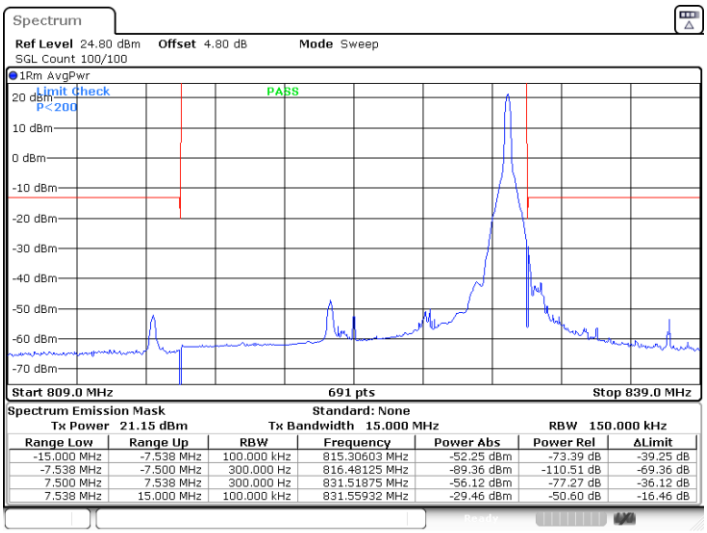


Spectrum Emission Mask Standard: None
Tx Power 21.39 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-33.99 dBm	-55.38 dB	-20.99 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-56.59 dBm	-77.98 dB	-36.59 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-88.95 dBm	-110.34 dB	-68.95 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.69397 MHz	-51.03 dBm	-72.42 dB	-38.03 dB

Date: 19.APR.2023 15:06:27

Highest Band Edge / 1 RB max

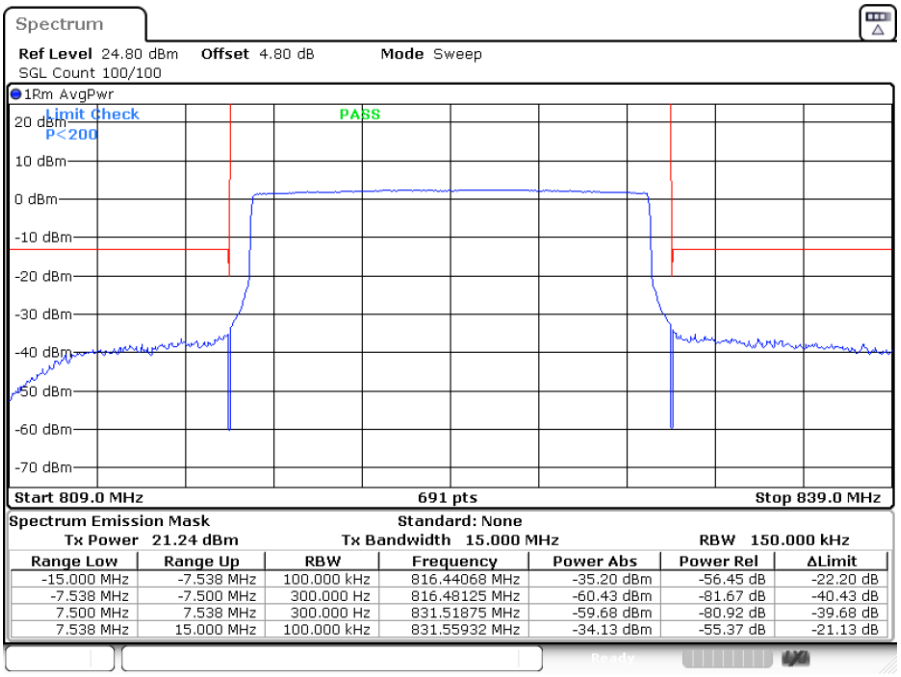


Spectrum Emission Mask Standard: None
Tx Power 21.15 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-52.25 dBm	-73.39 dB	-39.25 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-89.36 dBm	-110.51 dB	-69.36 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-56.12 dBm	-77.27 dB	-36.12 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-29.46 dBm	-50.60 dB	-16.46 dB

Date: 19.APR.2023 15:20:59

Band Edge / Full RB



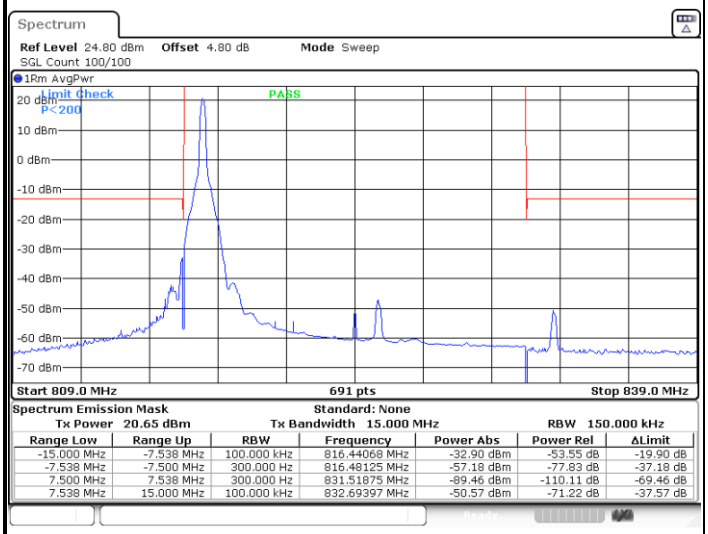
Spectrum Emission Mask Standard: None
Tx Power 21.24 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-35.20 dBm	-56.45 dB	-22.20 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-60.43 dBm	-81.67 dB	-40.43 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-59.68 dBm	-80.92 dB	-39.68 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-34.13 dBm	-55.37 dB	-21.13 dB

Date: 19.APR.2023 15:14:06

LTE Band 26 / 15MHz / 64QAM

Highest Band Edge / 1 RB

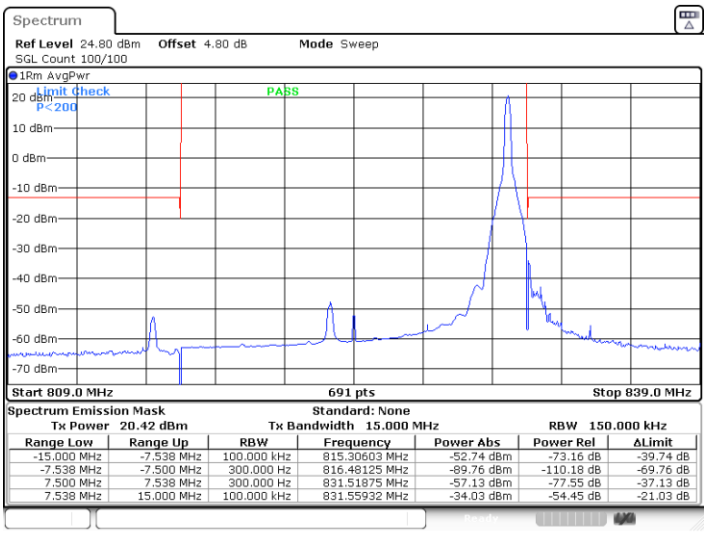


Spectrum Emission Mask Standard: None
Tx Power 20.65 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-32.90 dBm	-53.55 dB	-19.90 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-57.18 dBm	-77.83 dB	-37.18 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-89.46 dBm	-110.11 dB	-69.46 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.69397 MHz	-50.57 dBm	-71.22 dB	-37.57 dB

Date: 19.APR.2023 15:08:09

Highest Band Edge / 1 RB max

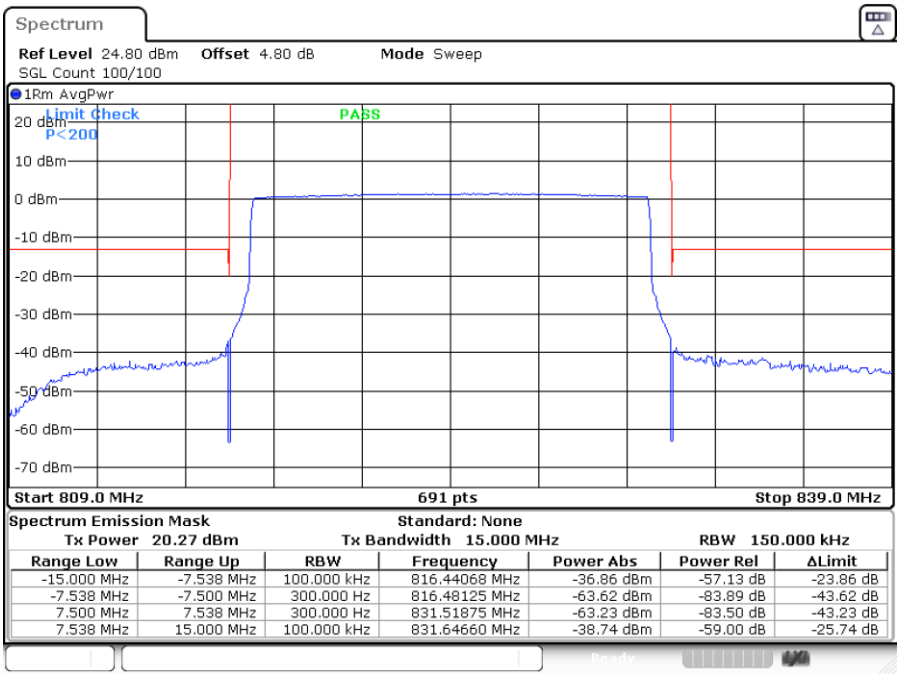


Spectrum Emission Mask Standard: None
Tx Power 20.42 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-52.74 dBm	-73.16 dB	-39.74 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-89.76 dBm	-110.18 dB	-69.76 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-57.13 dBm	-77.55 dB	-37.13 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-34.03 dBm	-54.45 dB	-21.03 dB

Date: 19.APR.2023 15:22:42

Band Edge / Full RB



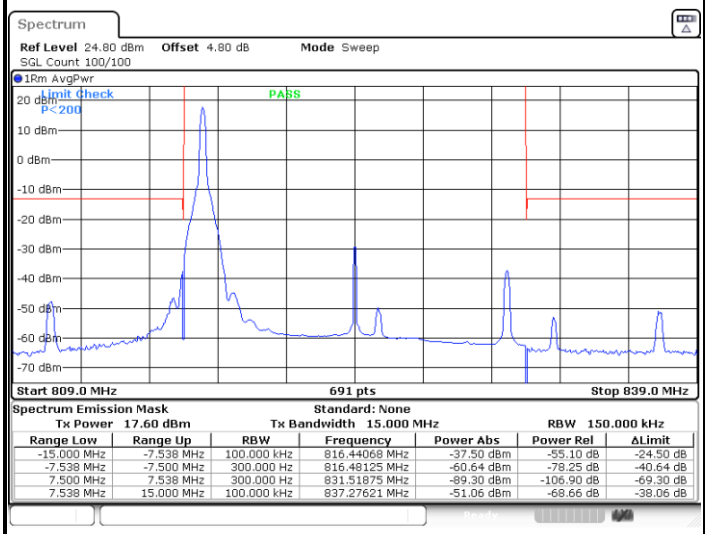
Spectrum Emission Mask Standard: None
Tx Power 20.27 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-36.86 dBm	-57.13 dB	-23.86 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-63.62 dBm	-83.89 dB	-43.62 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-63.23 dBm	-83.50 dB	-43.23 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.64660 MHz	-38.74 dBm	-59.00 dB	-25.74 dB

Date: 19.APR.2023 15:15:48

LTE Band 26 / 15MHz / 256QAM

Highest Band Edge / 1 RB

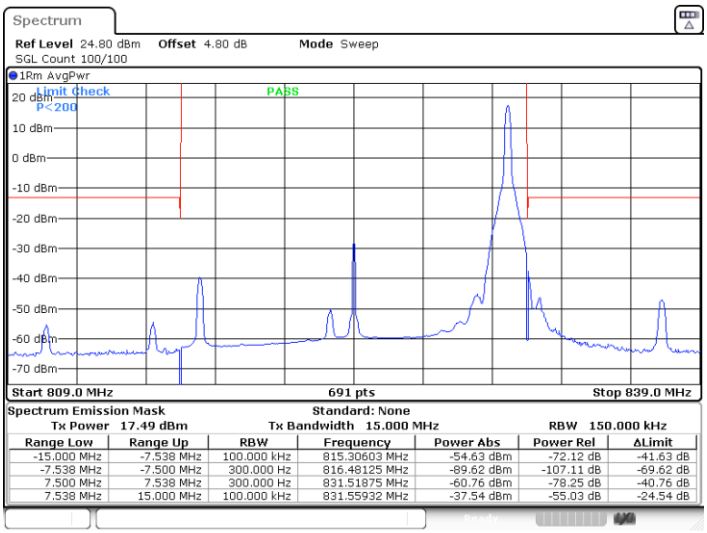


Spectrum Emission Mask Standard: None
Tx Power 17.60 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-37.50 dBm	-55.10 dB	-24.50 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-60.64 dBm	-78.25 dB	-40.64 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-89.30 dBm	-106.90 dB	-69.30 dB
7.538 MHz	15.000 MHz	100.000 kHz	837.27621 MHz	-51.06 dBm	-68.66 dB	-38.06 dB

Date: 19.APR.2023 15:09:52

Highest Band Edge / 1 RB max

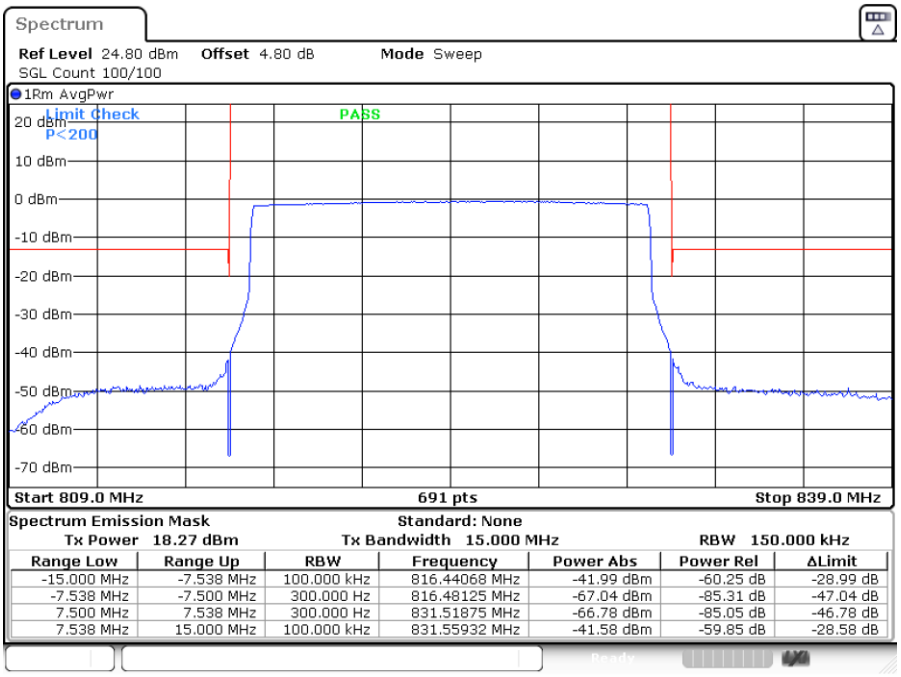


Spectrum Emission Mask Standard: None
Tx Power 17.49 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-54.63 dBm	-72.12 dB	-41.63 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-89.62 dBm	-107.11 dB	-69.62 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-60.76 dBm	-78.25 dB	-40.76 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-37.54 dBm	-55.03 dB	-24.54 dB

Date: 19.APR.2023 15:24:24

Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 18.27 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

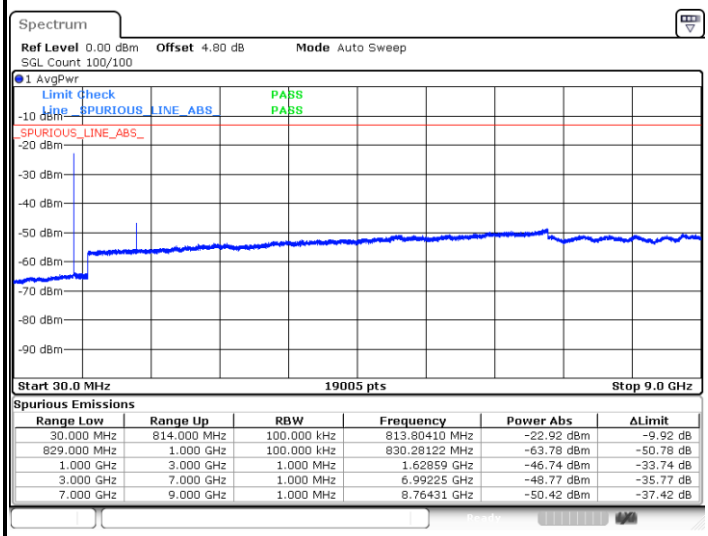
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-41.99 dBm	-60.25 dB	-28.99 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-67.04 dBm	-85.31 dB	-47.04 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-66.78 dBm	-85.05 dB	-46.78 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-41.58 dBm	-59.85 dB	-28.58 dB

Date: 19.APR.2023 15:17:31

Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

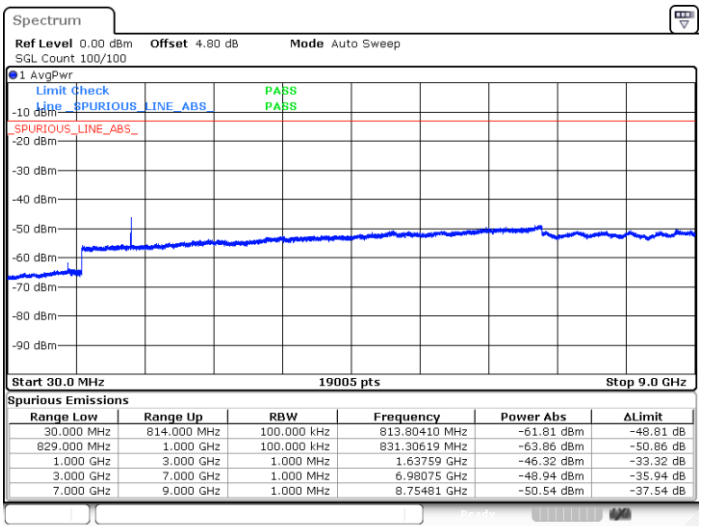


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-22.92 dBm	-9.92 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.28122 MHz	-63.78 dBm	-50.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-48.77 dBm	-35.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76431 GHz	-50.42 dBm	-37.42 dB

Date: 18.APR.2023 15:34:53

Middle Channel / QPSK

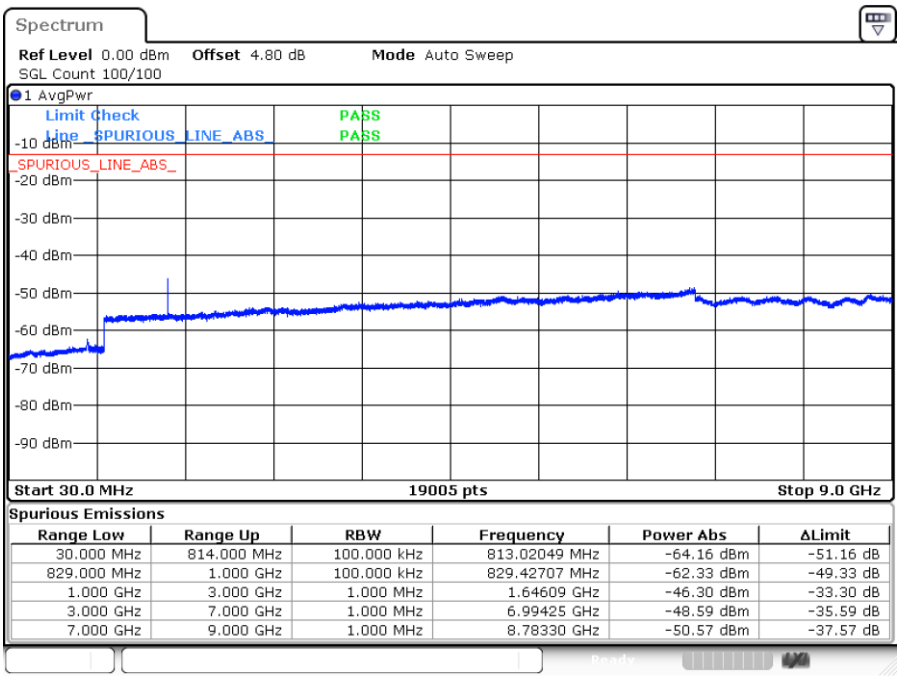


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.81 dBm	-48.81 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.30619 MHz	-63.86 dBm	-50.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-48.94 dBm	-35.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.75481 GHz	-50.54 dBm	-37.54 dB

Date: 18.APR.2023 15:33:29

Highest Channel / QPSK



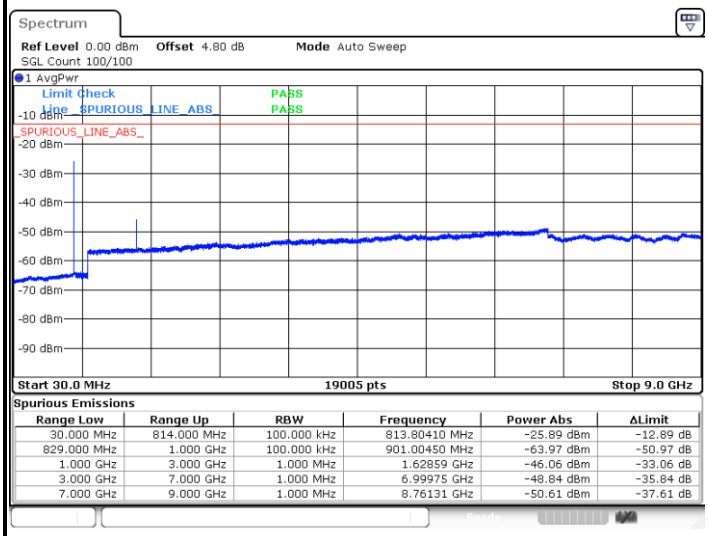
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.02049 MHz	-64.16 dBm	-51.16 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.42707 MHz	-62.33 dBm	-49.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-48.59 dBm	-35.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78330 GHz	-50.57 dBm	-37.57 dB

Date: 18.APR.2023 15:32:06

LTE Band 26 / 3MHz

Lowest Channel / QPSK

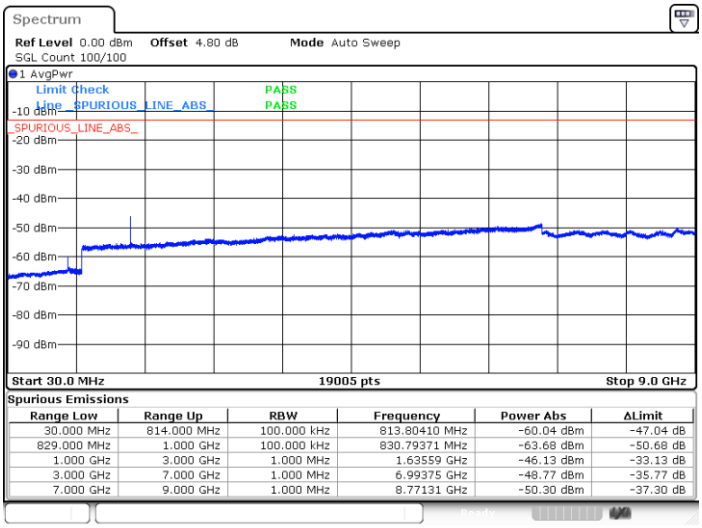


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-25.89 dBm	-12.89 dB
829.000 MHz	1.000 GHz	100.000 kHz	901.00450 MHz	-63.97 dBm	-50.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.06 dBm	-33.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-48.84 dBm	-35.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76131 GHz	-50.61 dBm	-37.61 dB

Date: 18.APR.2023 16:10:53

Middle Channel / QPSK

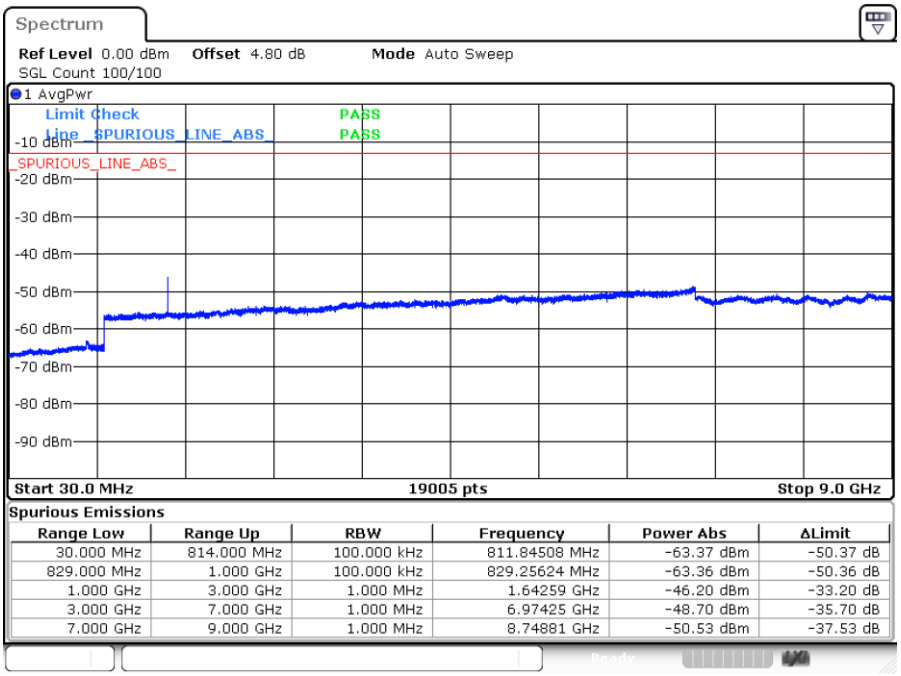


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-60.04 dBm	-47.04 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.79371 MHz	-63.68 dBm	-50.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-46.13 dBm	-33.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-48.77 dBm	-35.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-50.30 dBm	-37.30 dB

Date: 18.APR.2023 16:09:29

Highest Channel / QPSK



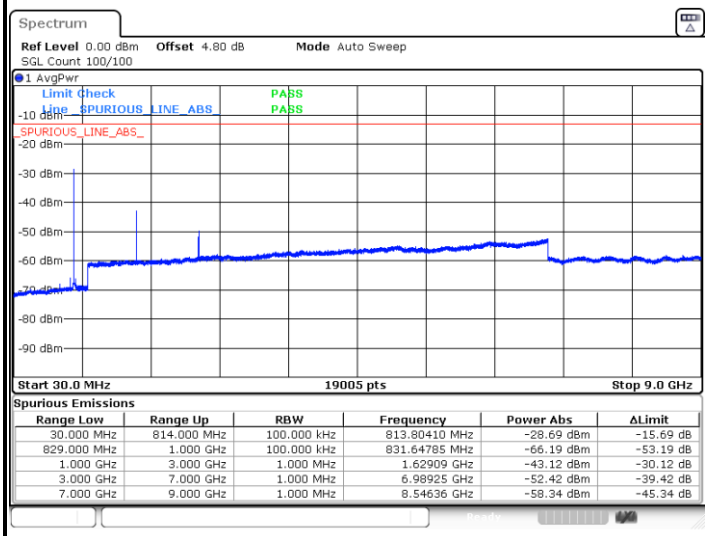
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	811.84508 MHz	-63.37 dBm	-50.37 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-63.36 dBm	-50.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97425 GHz	-48.70 dBm	-35.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.74881 GHz	-50.53 dBm	-37.53 dB

Date: 18.APR.2023 16:08:05

LTE Band 26 / 5MHz

Lowest Channel / QPSK

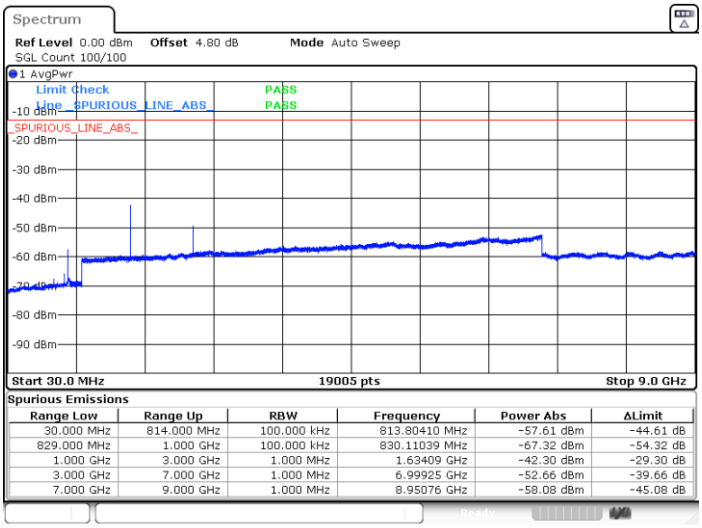


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-28.69 dBm	-15.69 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-66.19 dBm	-53.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-43.12 dBm	-30.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-52.42 dBm	-39.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.54636 GHz	-58.34 dBm	-45.34 dB

Date: 19.APR.2023 09:12:25

Middle Channel / QPSK

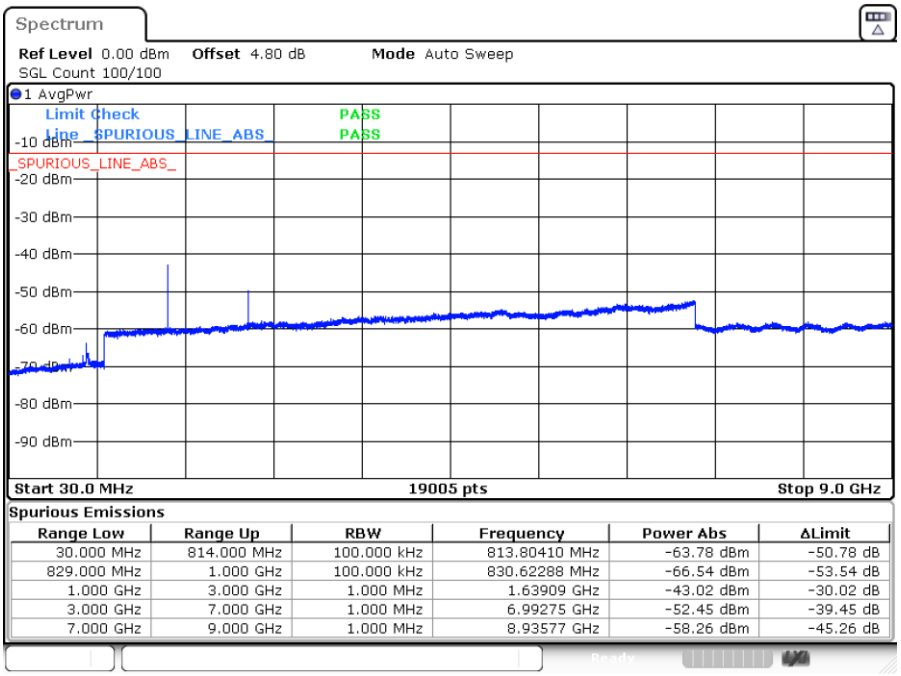


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-57.61 dBm	-44.61 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.11039 MHz	-67.32 dBm	-54.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-42.30 dBm	-29.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-52.66 dBm	-39.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95076 GHz	-58.08 dBm	-45.08 dB

Date: 19.APR.2023 09:11:02

Highest Channel / QPSK



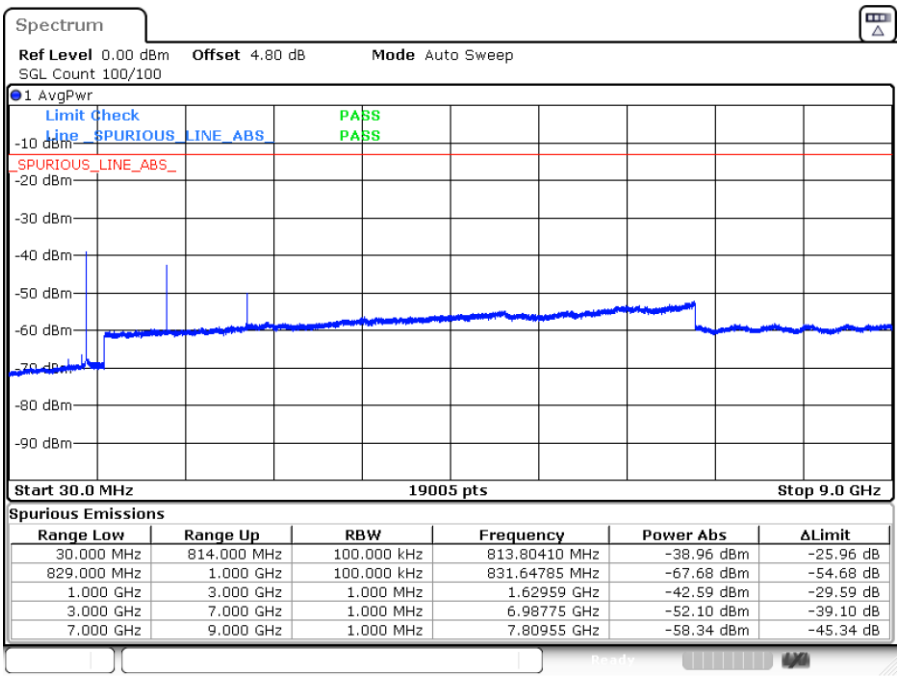
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.78 dBm	-50.78 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.62288 MHz	-66.54 dBm	-53.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-43.02 dBm	-30.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-52.45 dBm	-39.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93577 GHz	-58.26 dBm	-45.26 dB

Date: 19.APR.2023 09:09:37

LTE Band 26 / 10MHz

Middle Channel / QPSK



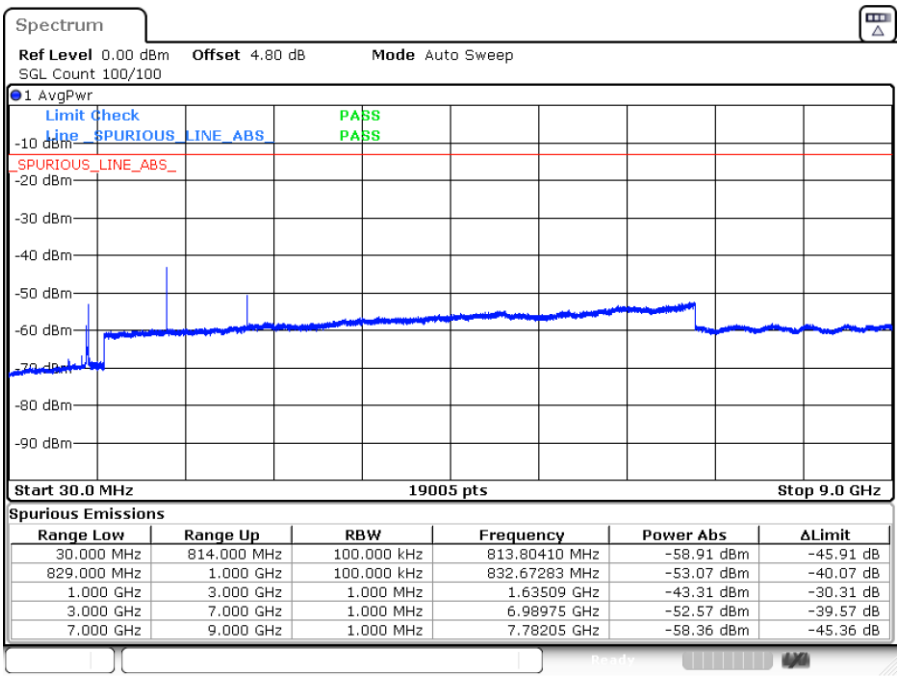
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-38.96 dBm	-25.96 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-67.68 dBm	-54.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-52.10 dBm	-39.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.80955 GHz	-58.34 dBm	-45.34 dB

Date: 19.APR.2023 14:39:17

LTE Band 26 / 15MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-58.91 dBm	-45.91 dB
829.000 MHz	1.000 GHz	100.000 kHz	832.67283 MHz	-53.07 dBm	-40.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-52.57 dBm	-39.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.78205 GHz	-58.36 dBm	-45.36 dB

Date: 19.APR.2023 15:03:02

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 26 / 10MHz / QPSK Ant1								
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	1640	-65.90	-13	-52.90	-72.87	1.58	10.70	H
	2456	-61.36	-13	-48.36	-69.61	2.102	12.50	H
	3272	-60.60	-13	-47.60	-69.49	2.856	13.90	H
	1640	-64.66	-13	-51.66	-71.63	1.58	10.70	V
	2456	-59.53	-13	-46.53	-67.78	2.10	12.50	V
	3272	-60.23	-13	-47.23	-69.12	2.86	13.90	V

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