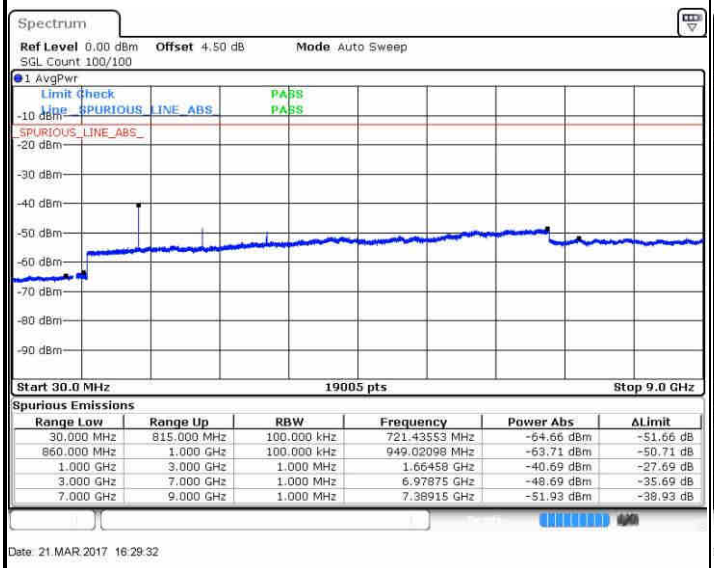
LTE Band 5 / 10MHz

Middle Channel / QPSK

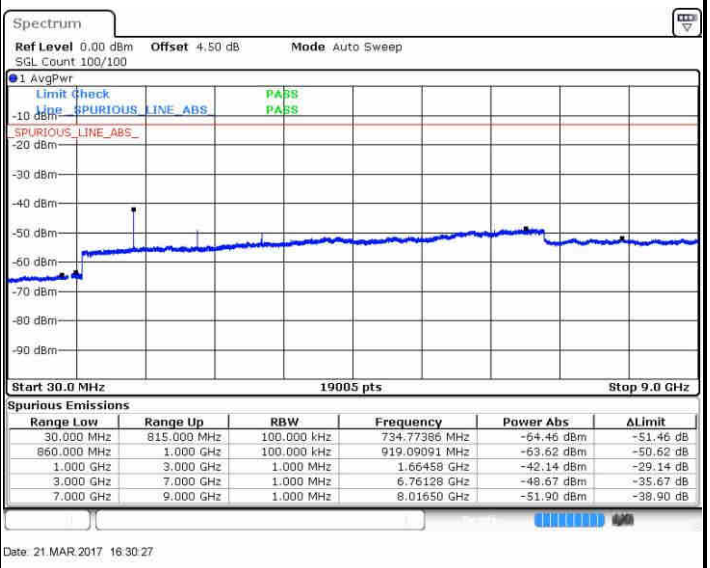


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	721.43553 MHz	-64.66 dBm	-51.66 dB
860.000 MHz	1.000 GHz	100.000 kHz	949.02098 MHz	-63.71 dBm	-50.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-40.69 dBm	-27.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97875 GHz	-48.69 dBm	-35.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38915 GHz	-51.93 dBm	-38.93 dB

Date: 21.MAR.2017 16:29:32

Middle Channel / 16QAM

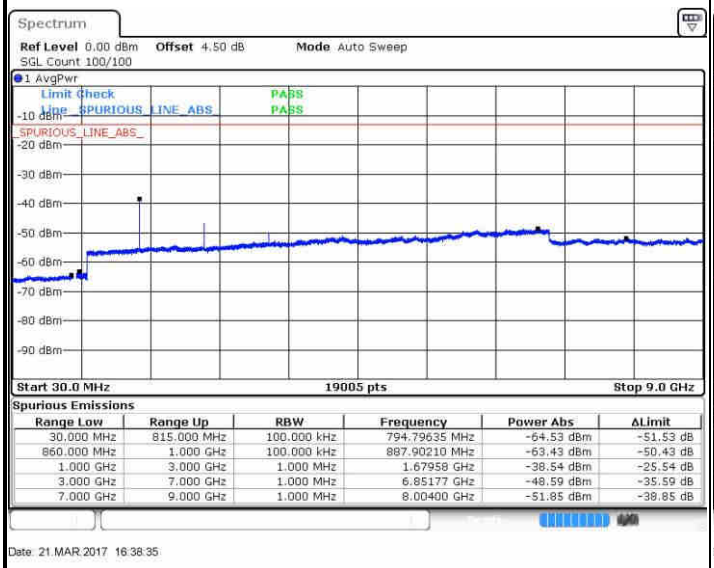


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	734.77386 MHz	-64.46 dBm	-51.46 dB
860.000 MHz	1.000 GHz	100.000 kHz	919.09091 MHz	-63.62 dBm	-50.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-42.14 dBm	-29.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76128 GHz	-48.67 dBm	-35.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01650 GHz	-51.90 dBm	-38.90 dB

Date: 21.MAR.2017 16:30:27

Highest Channel / QPSK

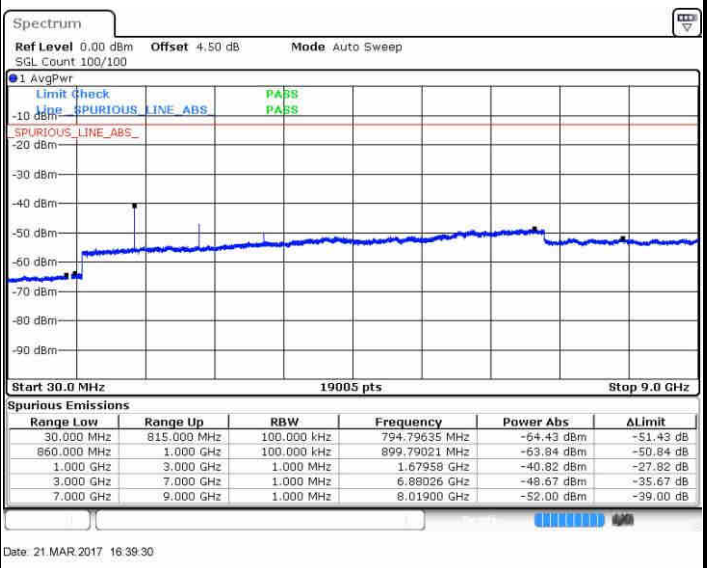


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.79635 MHz	-64.53 dBm	-51.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	887.90210 MHz	-63.43 dBm	-50.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-38.54 dBm	-25.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85177 GHz	-48.59 dBm	-35.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00400 GHz	-51.85 dBm	-38.85 dB

Date: 21.MAR.2017 16:38:35

Highest Channel / 16QAM



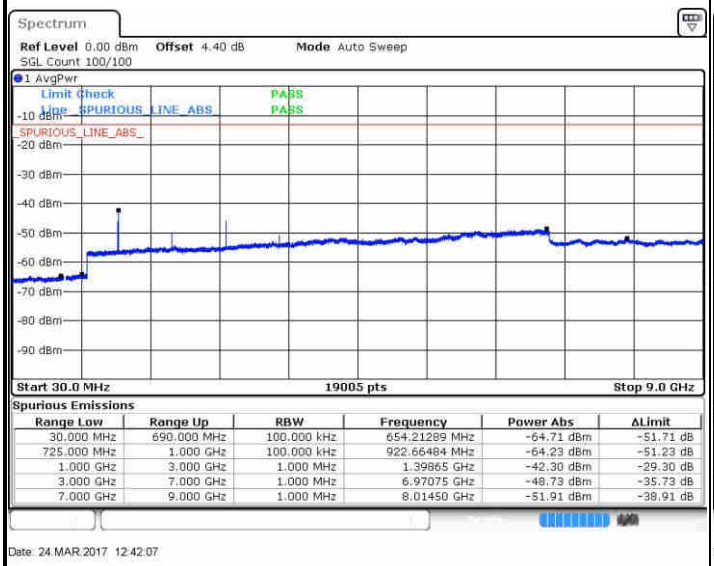
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.79635 MHz	-64.43 dBm	-51.43 dB
860.000 MHz	1.000 GHz	100.000 kHz	899.79021 MHz	-63.84 dBm	-50.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-40.82 dBm	-27.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88026 GHz	-48.67 dBm	-35.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01900 GHz	-52.00 dBm	-39.00 dB

Date: 21.MAR.2017 16:39:30

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

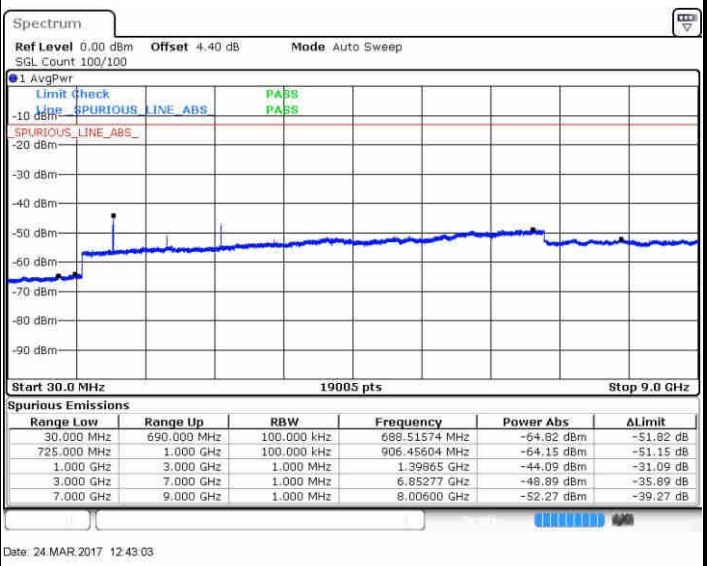


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.71 dBm	-51.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	922.66484 MHz	-64.23 dBm	-51.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.30 dBm	-29.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97075 GHz	-48.73 dBm	-35.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01450 GHz	-51.91 dBm	-38.91 dB

Date: 24.MAR.2017 12:42:07

Lowest Channel / 16QAM

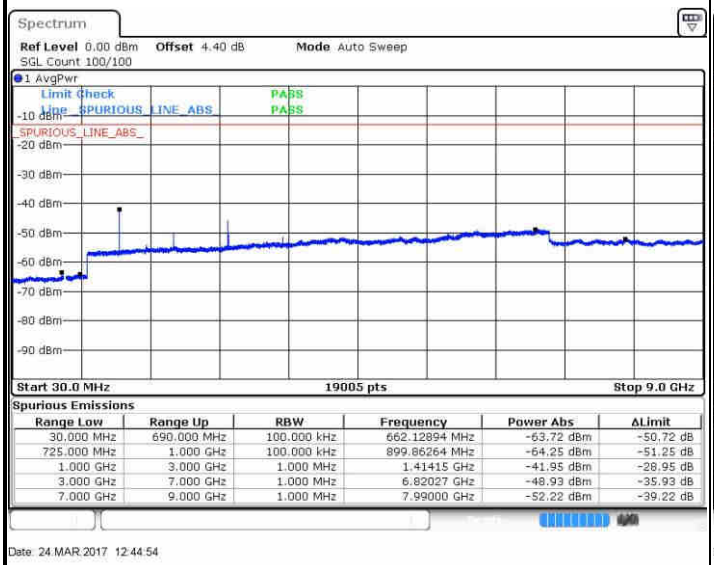


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-64.82 dBm	-51.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	906.45604 MHz	-64.15 dBm	-51.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85277 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00600 GHz	-52.27 dBm	-39.27 dB

Date: 24.MAR.2017 12:43:03

Middle Channel / QPSK

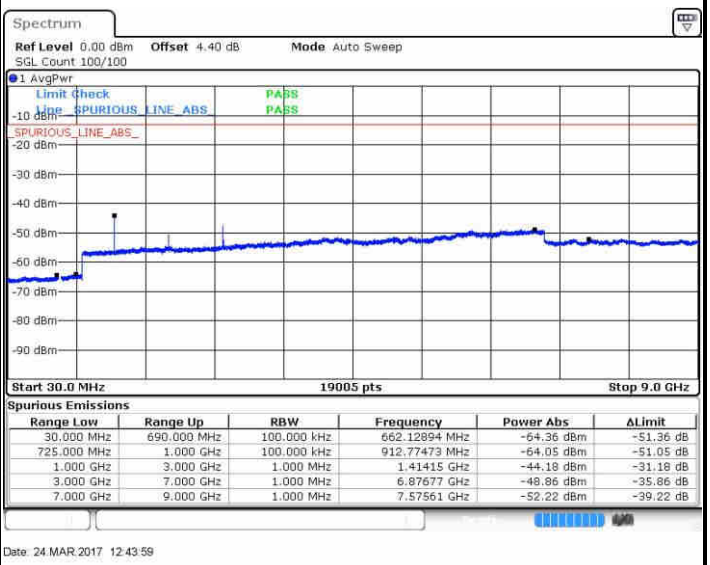


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-63.72 dBm	-50.72 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.86264 MHz	-64.25 dBm	-51.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-41.95 dBm	-28.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.82027 GHz	-48.93 dBm	-35.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99000 GHz	-52.22 dBm	-39.22 dB

Date: 24.MAR.2017 12:44:54

Middle Channel / 16QAM



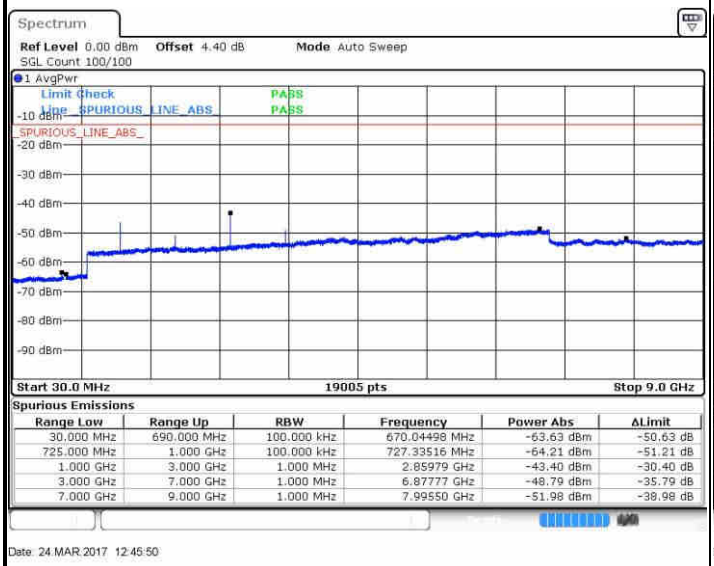
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-64.36 dBm	-51.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	912.77473 MHz	-64.05 dBm	-51.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-44.18 dBm	-31.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87677 GHz	-48.86 dBm	-35.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.57561 GHz	-52.22 dBm	-39.22 dB

Date: 24.MAR.2017 12:43:59

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

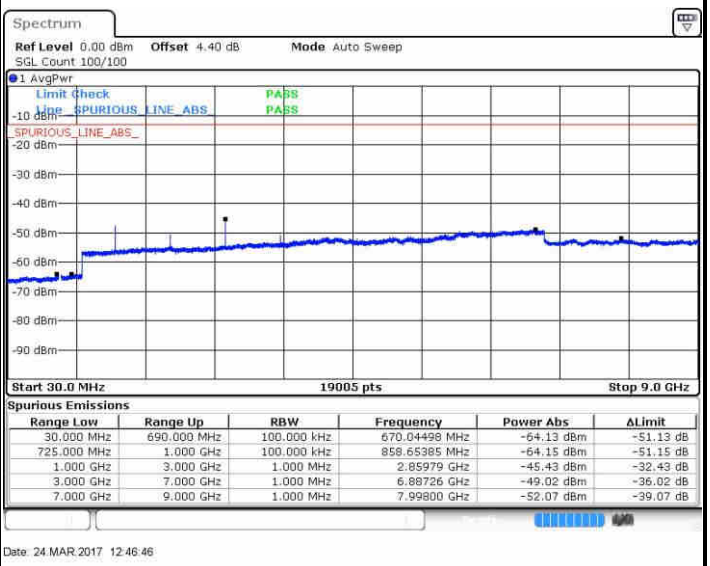


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-63.63 dBm	-50.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	727.33516 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85979 GHz	-43.40 dBm	-30.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87777 GHz	-48.79 dBm	-35.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99550 GHz	-51.98 dBm	-38.98 dB

Date: 24.MAR.2017 12:45:50

Highest Channel / 16QAM



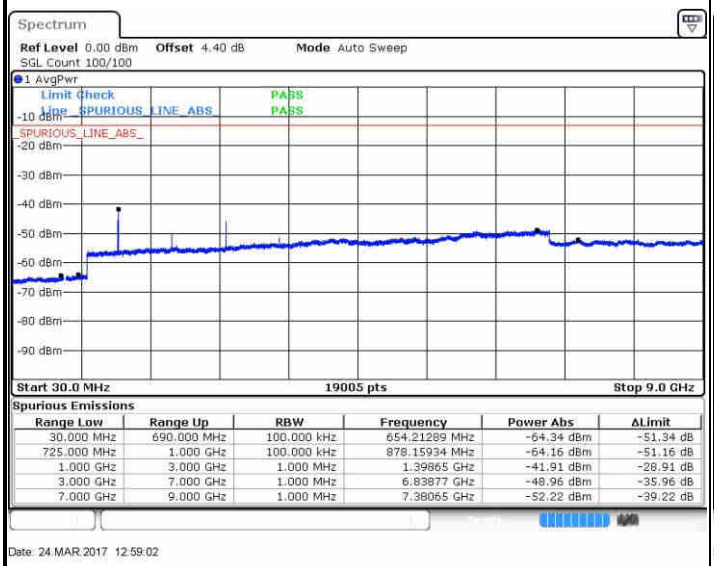
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-64.13 dBm	-51.13 dB
725.000 MHz	1.000 GHz	100.000 kHz	858.65385 MHz	-64.15 dBm	-51.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85979 GHz	-45.43 dBm	-32.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88726 GHz	-49.02 dBm	-36.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99800 GHz	-52.07 dBm	-39.07 dB

Date: 24.MAR.2017 12:46:46

LTE Band 12 / 3MHz

Lowest Channel / QPSK

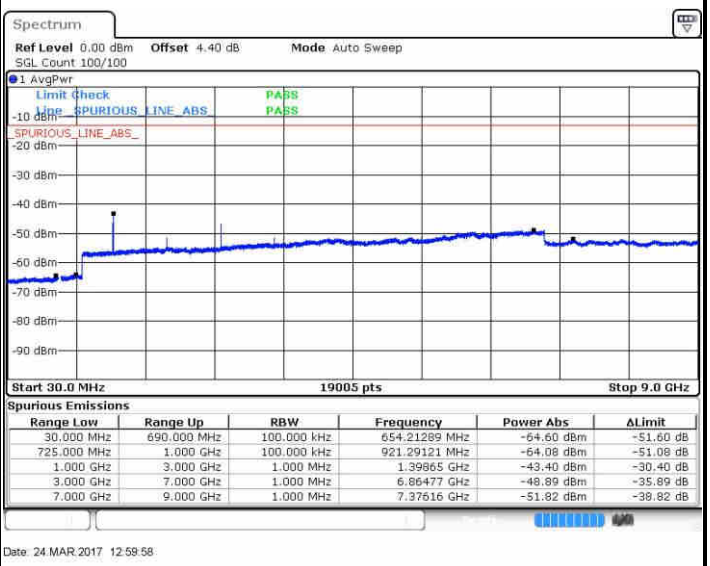


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	878.15934 MHz	-64.16 dBm	-51.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-41.91 dBm	-28.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83877 GHz	-48.96 dBm	-35.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38065 GHz	-52.22 dBm	-39.22 dB

Date: 24.MAR.2017 12:59:02

Lowest Channel / 16QAM



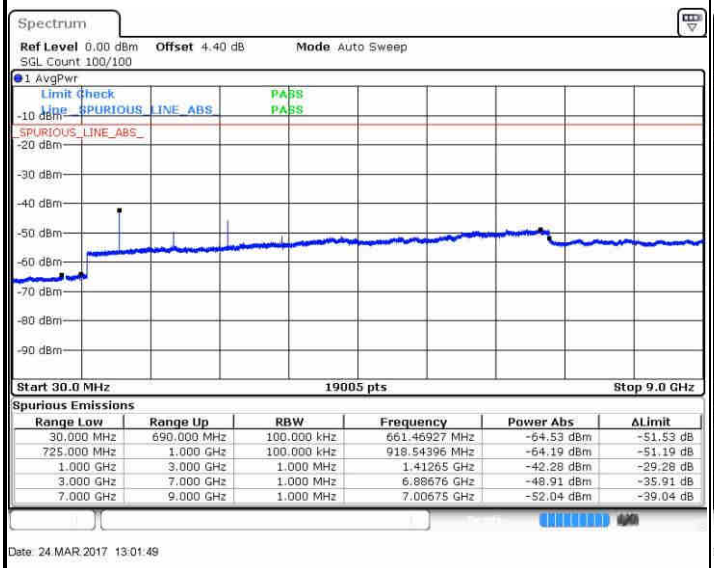
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.60 dBm	-51.60 dB
725.000 MHz	1.000 GHz	100.000 kHz	921.29121 MHz	-64.08 dBm	-51.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.40 dBm	-30.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86477 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37616 GHz	-51.82 dBm	-38.82 dB

Date: 24.MAR.2017 12:59:58

LTE Band 12 / 3MHz

Middle Channel / QPSK

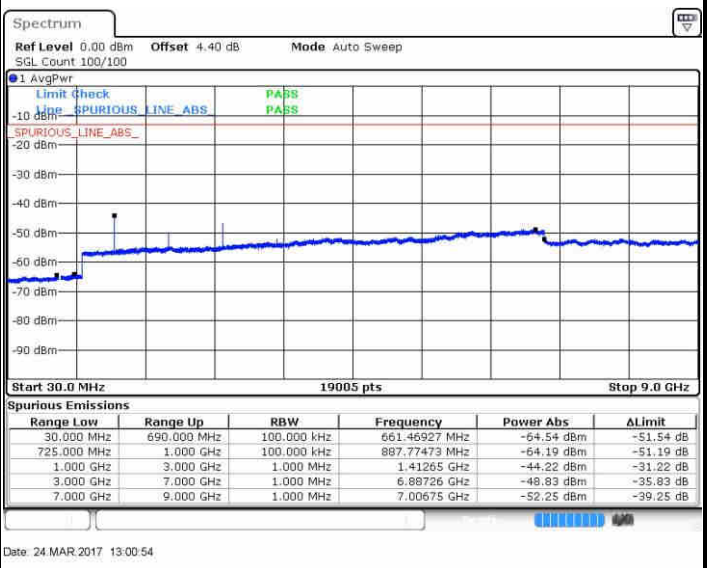


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.46927 MHz	-64.53 dBm	-51.53 dB
725.000 MHz	1.000 GHz	100.000 kHz	918.54396 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-42.28 dBm	-29.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88676 GHz	-48.91 dBm	-35.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00675 GHz	-52.04 dBm	-39.04 dB

Date: 24.MAR.2017 13:01:49

Middle Channel / 16QAM

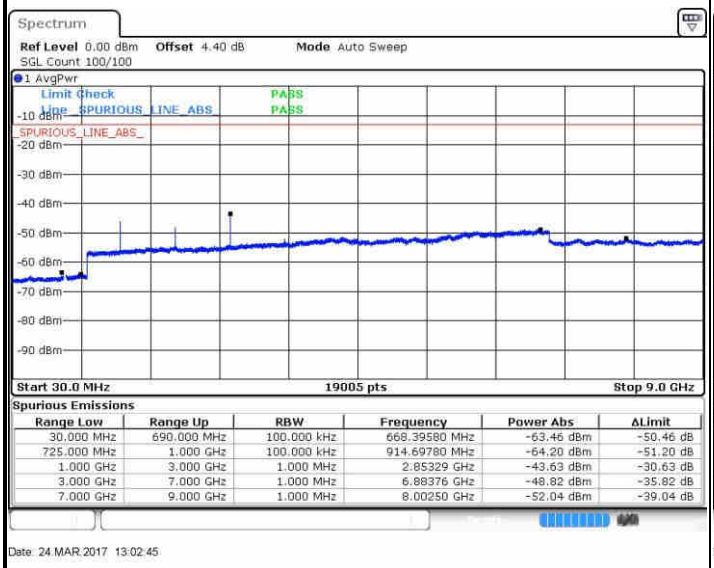


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.46927 MHz	-64.54 dBm	-51.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	887.77473 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-44.22 dBm	-31.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88726 GHz	-48.83 dBm	-35.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00675 GHz	-52.25 dBm	-39.25 dB

Date: 24.MAR.2017 13:00:54

Highest Channel / QPSK

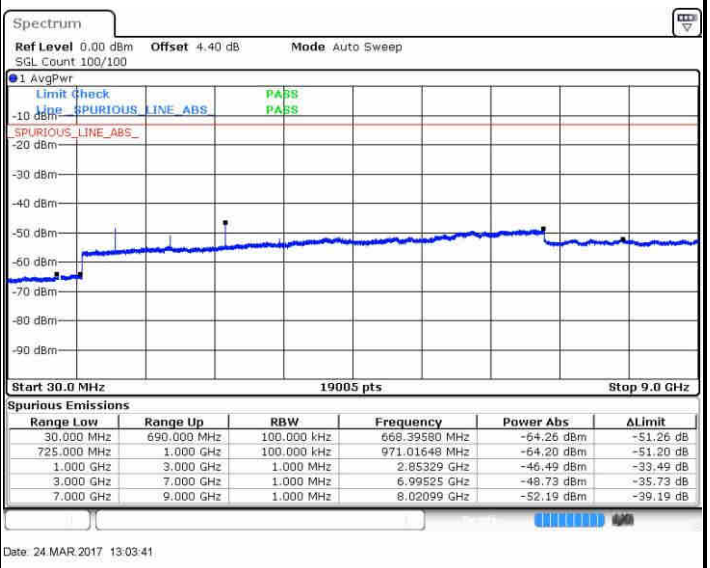


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-63.46 dBm	-50.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.69780 MHz	-64.20 dBm	-51.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85329 GHz	-43.63 dBm	-30.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-48.82 dBm	-35.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00250 GHz	-52.04 dBm	-39.04 dB

Date: 24.MAR.2017 13:02:45

Highest Channel / 16QAM



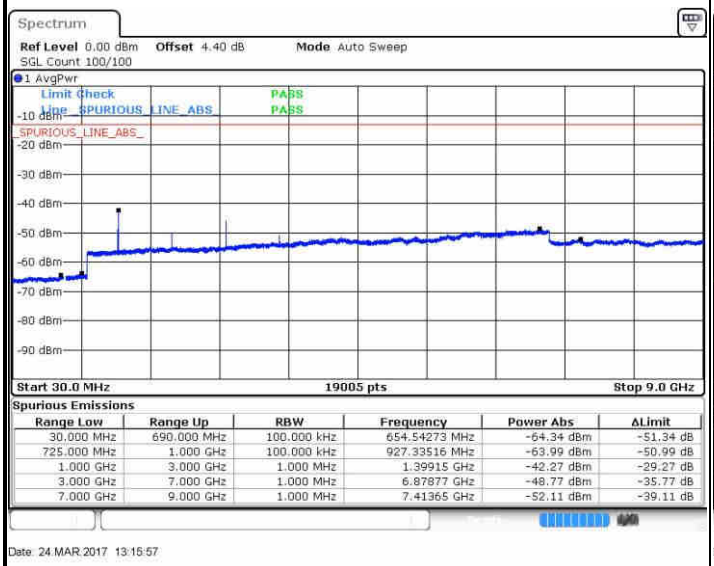
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-64.26 dBm	-51.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	971.01648 MHz	-64.20 dBm	-51.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85329 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-48.73 dBm	-35.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02099 GHz	-52.19 dBm	-39.19 dB

Date: 24.MAR.2017 13:03:41

LTE Band 12 / 5MHz

Lowest Channel / QPSK

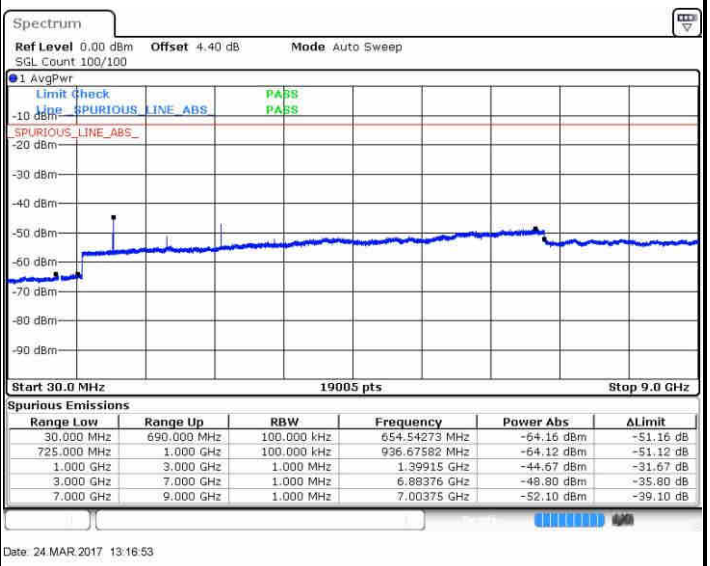


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.33516 MHz	-63.99 dBm	-50.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.27 dBm	-29.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87877 GHz	-48.77 dBm	-35.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.41365 GHz	-52.11 dBm	-39.11 dB

Date: 24.MAR.2017 13:15:57

Lowest Channel / 16QAM

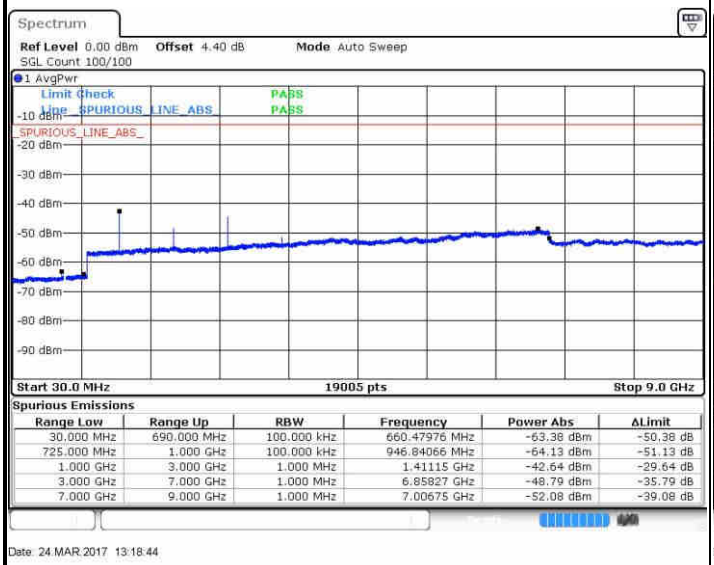


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.16 dBm	-51.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	936.67582 MHz	-64.12 dBm	-51.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.67 dBm	-31.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-48.80 dBm	-35.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00375 GHz	-52.10 dBm	-39.10 dB

Date: 24.MAR.2017 13:16:53

Middle Channel / QPSK

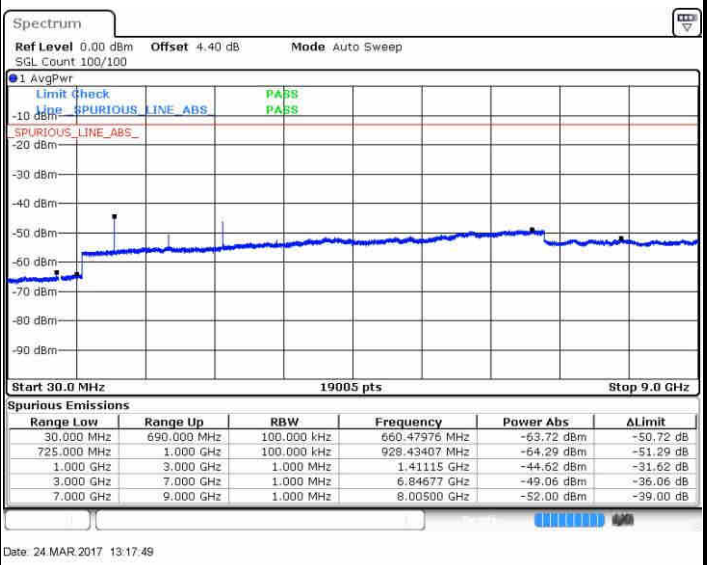


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.47976 MHz	-63.38 dBm	-50.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	946.84066 MHz	-64.13 dBm	-51.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-42.64 dBm	-29.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85827 GHz	-48.79 dBm	-35.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00675 GHz	-52.08 dBm	-39.08 dB

Date: 24.MAR.2017 13:18:44

Middle Channel / 16QAM



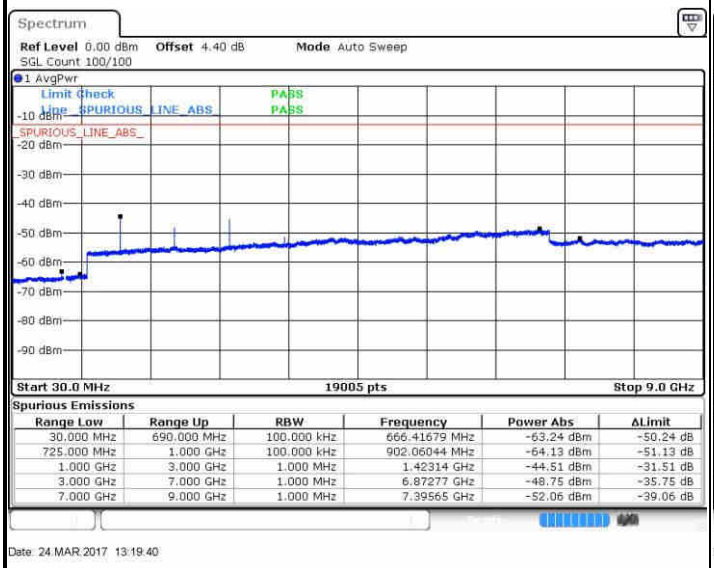
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.47976 MHz	-63.72 dBm	-50.72 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.43407 MHz	-64.29 dBm	-51.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-44.62 dBm	-31.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84677 GHz	-49.06 dBm	-36.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00500 GHz	-52.00 dBm	-39.00 dB

Date: 24.MAR.2017 13:17:49

LTE Band 12 / 5MHz

Highest Channel / QPSK

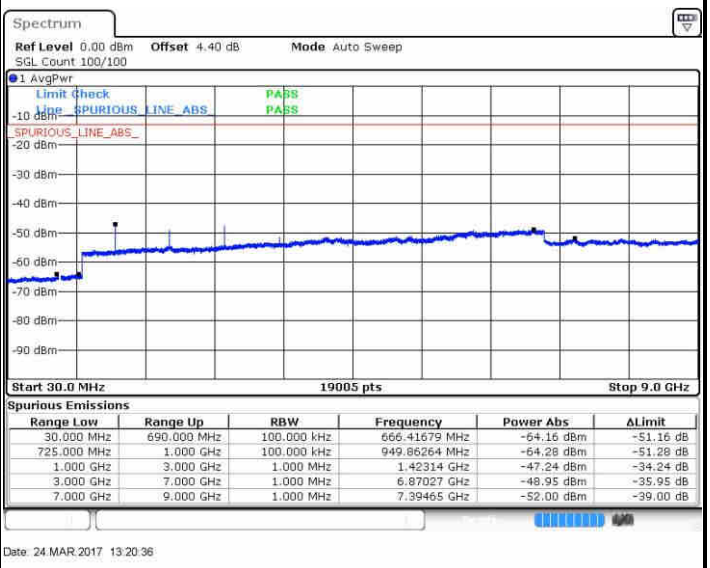


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-63.24 dBm	-50.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	902.06044 MHz	-64.13 dBm	-51.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.51 dBm	-31.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87277 GHz	-48.75 dBm	-35.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39565 GHz	-52.06 dBm	-39.06 dB

Date: 24.MAR.2017 13:19:40

Highest Channel / 16QAM



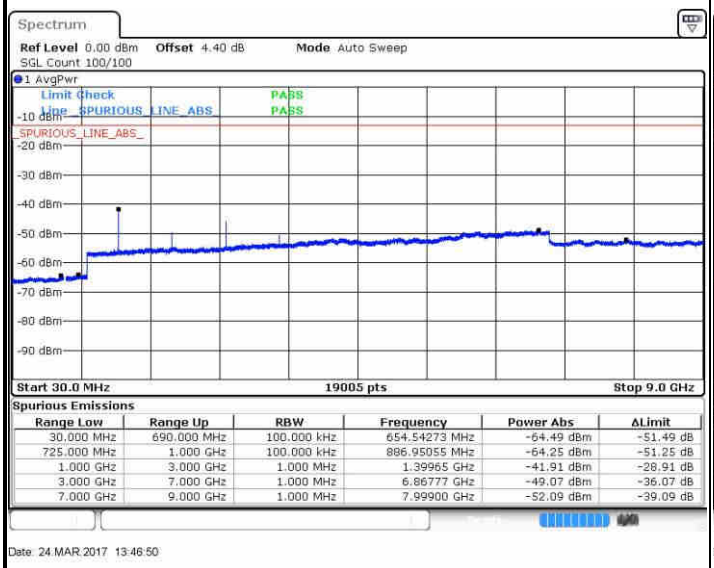
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-64.16 dBm	-51.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	949.86264 MHz	-64.28 dBm	-51.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-47.24 dBm	-34.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87027 GHz	-48.95 dBm	-35.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39465 GHz	-52.00 dBm	-39.00 dB

Date: 24.MAR.2017 13:20:36

LTE Band 12 / 10MHz

Lowest Channel / QPSK

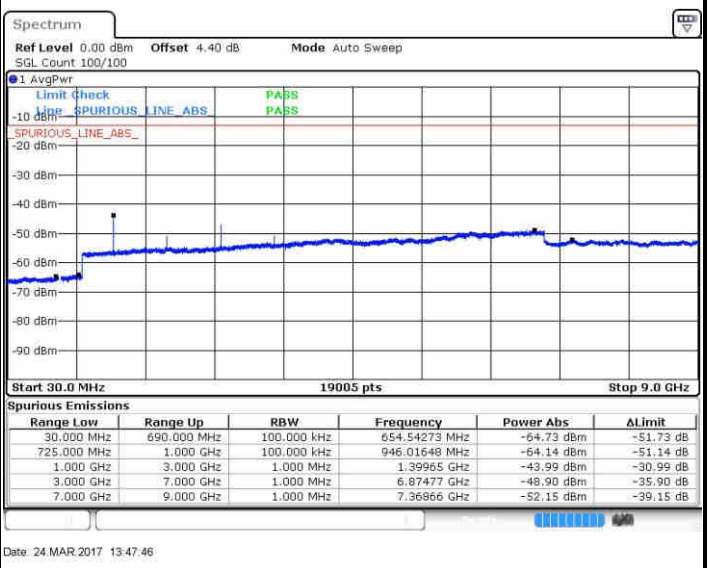


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.49 dBm	-51.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.95055 MHz	-64.25 dBm	-51.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-41.91 dBm	-28.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86777 GHz	-49.07 dBm	-36.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99900 GHz	-52.09 dBm	-39.09 dB

Date: 24.MAR.2017 13:46:50

Lowest Channel / 16QAM



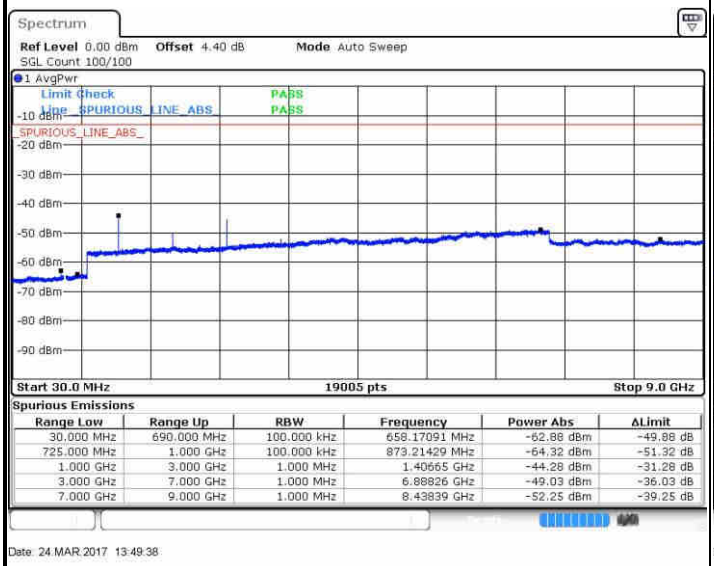
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.73 dBm	-51.73 dB
725.000 MHz	1.000 GHz	100.000 kHz	946.01648 MHz	-64.14 dBm	-51.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.99 dBm	-30.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87477 GHz	-48.90 dBm	-35.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36866 GHz	-52.15 dBm	-39.15 dB

Date: 24.MAR.2017 13:47:46

LTE Band 12 / 10MHz

Middle Channel / QPSK

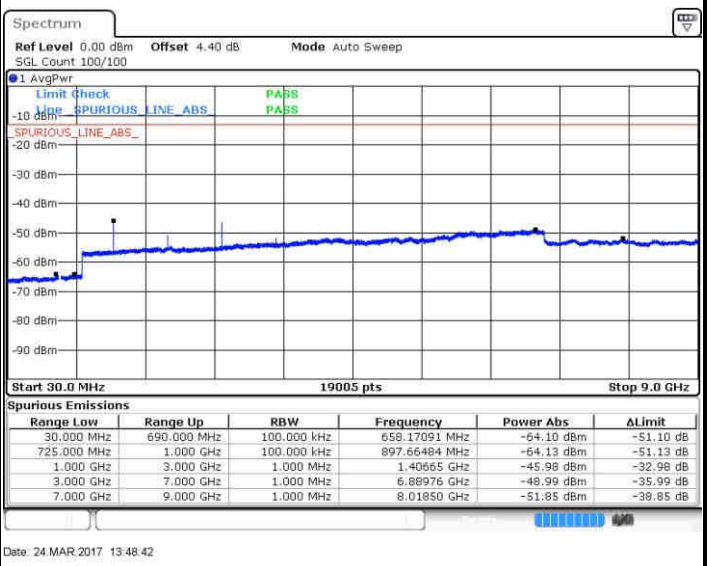


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.17091 MHz	-62.88 dBm	-49.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	873.21429 MHz	-64.32 dBm	-51.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88826 GHz	-49.03 dBm	-36.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.43839 GHz	-52.25 dBm	-39.25 dB

Date: 24.MAR.2017 13:49:38

Middle Channel / 16QAM

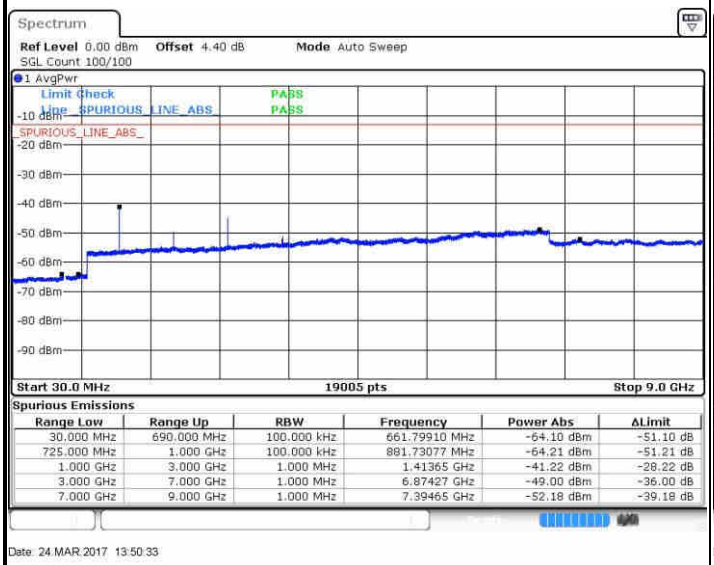


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.17091 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	897.66484 MHz	-64.13 dBm	-51.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88976 GHz	-48.99 dBm	-35.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01850 GHz	-51.85 dBm	-38.85 dB

Date: 24.MAR.2017 13:48:42

Highest Channel / QPSK

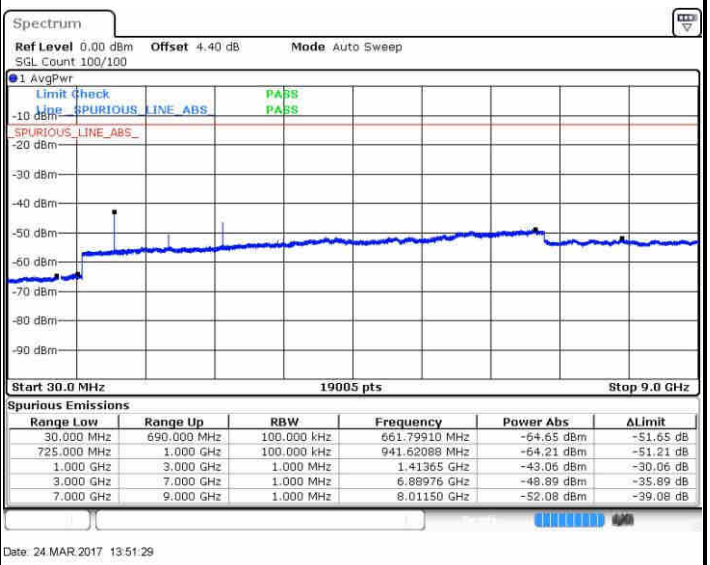


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.79910 MHz	-64.10 dBm	-51.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	881.73077 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-41.22 dBm	-28.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87427 GHz	-49.00 dBm	-36.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.39465 GHz	-52.18 dBm	-39.18 dB

Date: 24.MAR.2017 13:50:33

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.79910 MHz	-64.65 dBm	-51.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	941.62088 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.06 dBm	-30.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88976 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01150 GHz	-52.08 dBm	-39.08 dB

Date: 24.MAR.2017 13:51:29

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.

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

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0080	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0098	
20	Battery End Point	0.0011	

Note: Normal Voltage =3.7 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0083	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0078	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.5 V.；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

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 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)
Middle	3759	-60.26	-13	-47.26	-74.50	-61.97	5.08	6.80	H
	5638	-59.54	-13	-46.54	-76.34	-61.21	8.03	9.70	H
	7518	-54.75	-13	-41.75	-76.05	-57.13	9.43	11.81	H
	3759	-62.32	-13	-49.32	-74.75	-64.03	5.08	6.80	V
	5638	-58.50	-13	-45.50	-75.59	-60.17	8.03	9.70	V
	7518	-55.22	-13	-42.22	-76.36	-57.60	9.43	11.81	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 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)
Middle	3756	-60.02	-13	-47.02	-74.26	-61.73	5.08	6.80	H
	5636	-58.71	-13	-45.71	-75.51	-60.38	8.03	9.70	H
	7515	-54.25	-13	-41.25	-75.55	-56.63	9.43	11.81	H
	3756	-61.58	-13	-48.58	-74.01	-63.29	5.08	6.80	V
	5636	-57.83	-13	-44.83	-74.92	-59.50	8.03	9.70	V
	7515	-53.91	-13	-40.91	-75.05	-56.29	9.43	11.81	V

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

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 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)
Middle	3756	-60.41	-13	-47.41	-74.65	-62.12	5.08	6.80	H
	5633	-58.29	-13	-45.29	-75.09	-59.96	8.03	9.70	H
	7512	-54.77	-13	-41.77	-76.07	-57.15	9.43	11.81	H
	3756	-62.22	-13	-49.22	-74.65	-63.93	5.08	6.80	V
	5633	-58.33	-13	-45.33	-75.42	-60.00	8.03	9.70	V
	7512	-55.26	-13	-42.26	-76.4	-57.64	9.43	11.81	V

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

LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 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)
Middle	3750	-60.37	-13	-47.37	-74.61	-62.08	5.08	6.80	H
	5625	-59.18	-13	-46.18	-75.98	-60.85	8.03	9.70	H
	7503	-55.43	-13	-42.43	-76.73	-57.81	9.43	11.81	H
	3750	-61.72	-13	-48.72	-74.15	-63.43	5.08	6.80	V
	5628	-59.50	-13	-46.50	-76.59	-61.17	8.03	9.70	V
	7503	-55.23	-13	-42.23	-76.37	-57.61	9.43	11.81	V

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

LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 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)
Middle	3747	-60.45	-13	-47.45	-74.69	-62.16	5.08	6.80	H
	5620	-59.24	-13	-46.24	-76.04	-60.91	8.03	9.70	H
	7494	-55.35	-13	-42.35	-76.65	-57.73	9.43	11.81	H
	3747	-62.03	-13	-49.03	-74.46	-63.74	5.08	6.80	V
	5620	-58.35	-13	-45.35	-75.44	-60.02	8.03	9.70	V
	7494	-56.06	-13	-43.06	-77.2	-58.44	9.43	11.81	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 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)
Middle	3741	-59.09	-13	-46.09	-73.33	-60.80	5.08	6.80	H
	5613	-58.76	-13	-45.76	-75.56	-60.43	8.03	9.70	H
	7485	-55.58	-13	-42.58	-76.88	-57.96	9.43	11.81	H
	3741	-61.71	-13	-48.71	-74.14	-63.42	5.08	6.80	V
	5613	-58.02	-13	-45.02	-75.11	-59.69	8.03	9.70	V
	7485	-54.81	-13	-41.81	-75.95	-57.19	9.43	11.81	V

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

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 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)
Middle	3465	-61.99	-13	-48.99	-70.89	-65.96	4.87	8.84	H
	5196	-65.29	-13	-52.29	-76.22	-66.73	7.70	9.14	H
	6927	-57.43	-13	-44.43	-75.90	-59.11	8.98	10.66	H
	3465	-59.53	-13	-46.53	-71.15	-63.50	4.87	8.84	V
	5196	-61.42	-13	-48.42	-75.47	-62.86	7.70	9.14	V
	6927	-58.17	-13	-45.17	-76.19	-59.85	8.98	10.66	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 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)
Middle	3462	-59.19	-13	-46.19	-68.09	-63.16	4.87	8.84	H
	5194	-64.92	-13	-51.92	-75.85	-66.36	7.70	9.14	H
	6924	-57.62	-13	-44.62	-76.09	-59.30	8.98	10.66	H
	3462	-59.18	-13	-46.18	-70.8	-63.15	4.87	8.84	V
	5194	-62.23	-13	-49.23	-76.28	-63.67	7.70	9.14	V
	6924	-57.87	-13	-44.87	-75.89	-59.55	8.98	10.66	V

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

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 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)
Middle	3459	-60.78	-13	-47.78	-69.68	-64.75	4.87	8.84	H
	5191	-65.52	-13	-52.52	-76.45	-66.96	7.70	9.14	H
	6921	-58.21	-13	-45.21	-76.68	-59.89	8.98	10.66	H
	3459	-59.67	-13	-46.67	-71.29	-63.64	4.87	8.84	V
	5191	-62.00	-13	-49.00	-76.05	-63.44	7.70	9.14	V
	6921	-57.69	-13	-44.69	-75.71	-59.37	8.98	10.66	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 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)
Middle	3456	-59.00	-13	-46.00	-67.90	-62.97	4.87	8.84	H
	5184	-65.12	-13	-52.12	-76.05	-66.56	7.70	9.14	H
	6912	-58.69	-13	-45.69	-77.16	-60.37	8.98	10.66	H
	3456	-60.94	-13	-47.94	-72.56	-64.91	4.87	8.84	V
	5184	-62.57	-13	-49.57	-76.62	-64.01	7.70	9.14	V
	6912	-58.46	-13	-45.46	-76.48	-60.14	8.98	10.66	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 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)
Middle	3450	-56.80	-13	-43.80	-65.70	-60.77	4.87	8.84	H
	5178	-64.02	-13	-51.02	-74.95	-65.46	7.70	9.14	H
	6903	-57.76	-13	-44.76	-76.23	-59.44	8.98	10.66	H
	3450	-58.27	-13	-45.27	-69.89	-62.24	4.87	8.84	V
	5178	-62.28	-13	-49.28	-76.33	-63.72	7.70	9.14	V
	6903	-58.49	-13	-45.49	-76.51	-60.17	8.98	10.66	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 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)
Middle	3447	-56.92	-13	-43.92	-65.82	-60.89	4.87	8.84	H
	5172	-64.82	-13	-51.82	-75.75	-66.26	7.70	9.14	H
	6894	-58.44	-13	-45.44	-76.91	-60.12	8.98	10.66	H
	3447	-58.45	-13	-45.45	-70.07	-62.42	4.87	8.84	V
	5170.77	-61.79	-13	-48.79	-75.84	-63.23	7.70	9.14	V
	6894	-58.71	-13	-45.71	-76.73	-60.39	8.98	10.66	V

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

LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1672	-54.37	-13	-41.37	-58.57	-56.69	1.33	5.80	H
	2508	-52.79	-13	-39.79	-62.14	-55.96	1.58	6.90	H
	3345	-58.91	-13	-45.91	-68.12	-62.41	1.85	7.50	H
	1672	-62.46	-13	-49.46	-64.33	-64.78	1.33	5.80	V
	2508	-57.97	-13	-44.97	-65.94	-61.14	1.58	6.90	V
	3345	-55.16	-13	-42.16	-64.18	-58.66	1.85	7.50	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1670	-55.52	-13	-42.52	-59.49	-57.84	1.33	5.80	H
	2506	-53.53	-13	-40.53	-62.88	-56.70	1.58	6.90	H
	3342	-58.17	-13	-45.17	-67.38	-61.67	1.85	7.50	H
	1670	-64.97	-13	-51.97	-66.84	-67.29	1.33	5.80	V
	2506	-60.98	-13	-47.98	-68.95	-64.15	1.58	6.90	V
	3342	-62.22	-13	-49.22	-71.24	-65.72	1.85	7.50	V

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

LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1668	-57.73	-13	-44.73	-60.84	-60.05	1.33	5.80	H
	2502	-52.08	-13	-39.08	-61.43	-55.25	1.58	6.90	H
	3336	-62.42	-13	-49.42	-71.63	-65.92	1.85	7.50	H
	1668	-64.95	-13	-51.95	-66.82	-67.27	1.33	5.80	V
	2502	-60.56	-13	-47.56	-68.53	-63.73	1.58	6.90	V
	3336	-64.57	-13	-51.57	-73.59	-68.07	1.85	7.50	V

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

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1664	-61.16	-13	-48.16	-63.76	-63.48	1.33	5.80	H
	2496	-51.34	-13	-38.34	-60.94	-54.51	1.58	6.90	H
	3327	-59.16	-13	-46.16	-68.37	-62.66	1.85	7.50	H
	1664	-66.98	-13	-53.98	-68.85	-69.30	1.33	5.80	V
	2496	-59.87	-13	-46.87	-67.84	-63.04	1.58	6.90	V
	3327	-62.38	-13	-49.38	-71.40	-65.88	1.85	7.50	V

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

LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1414	-69.43	-13	-56.43	-70.38	-70.33	1.14	4.19	H
	2120	-64.09	-13	-51.09	-68.68	-65.55	1.4	5.01	H
	2828	-65.42	-13	-52.42	-69.39	-67.95	1.63	6.31	H
	3534	-68.22	-13	-55.22	-75.85	-70.96	1.89	6.78	H
	1414	-67.11	-13	-54.11	-68.18	-68.01	1.14	4.19	V
	2120	-63.37	-13	-50.37	-67.95	-64.83	1.40	5.01	V
	2828	-58.19	-13	-45.19	-63.83	-60.72	1.63	6.31	V
	3536	-62.73	-13	-49.73	-69.14	-65.47	1.89	6.78	V

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

LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1412	-68.08	-13	-55.08	-69.03	-68.98	1.14	4.19	H
	2118	-64.09	-13	-51.09	-68.68	-65.55	1.4	5.01	H
	2824	-63.81	-13	-50.81	-67.78	-66.34	1.63	6.31	H
	3528	-67.36	-13	-54.36	-74.99	-70.10	1.89	6.78	H
	1412	-67.44	-13	-54.44	-68.51	-68.34	1.14	4.19	V
	2118	-62.28	-13	-49.28	-66.86	-63.74	1.40	5.01	V
	2824	-60.51	-13	-47.51	-65.19	-63.04	1.63	6.31	V
	3528	-63.99	-13	-50.99	-70.40	-66.73	1.89	6.78	V

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

LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1410	-69.26	-13	-56.26	-70.21	-70.16	1.14	4.19	H
	2116	-63.06	-13	-50.06	-67.65	-64.52	1.4	5.01	H
	2821	-66.14	-13	-53.14	-70.11	-68.67	1.63	6.31	H
	3528	-64.92	-13	-51.92	-72.55	-67.66	1.89	6.78	H
	1410	-65.71	-13	-52.71	-66.78	-66.61	1.14	4.19	V
	2116	-61.67	-13	-48.67	-66.25	-63.13	1.40	5.01	V
	2820	-63.44	-13	-50.44	-68.12	-65.97	1.63	6.31	V
	3528	-63.79	-13	-50.79	-70.20	-66.53	1.89	6.78	V

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

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
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	-69.23	-13	-56.23	-70.18	-70.13	1.14	4.19	H
	2108	-62.13	-13	-49.13	-66.72	-63.59	1.4	5.01	H
	2812	-64.43	-13	-51.43	-68.40	-66.96	1.63	6.31	H
	3516	-68.11	-13	-55.11	-75.74	-70.85	1.89	6.78	H
	1406	-64.88	-13	-51.88	-65.95	-65.78	1.14	4.19	V
	2108	-60.36	-13	-47.36	-64.94	-61.82	1.40	5.01	V
	2812	-61.11	-13	-48.11	-65.79	-63.64	1.63	6.31	V
	3516	-67.31	-13	-54.31	-73.72	-70.05	1.89	6.78	V

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