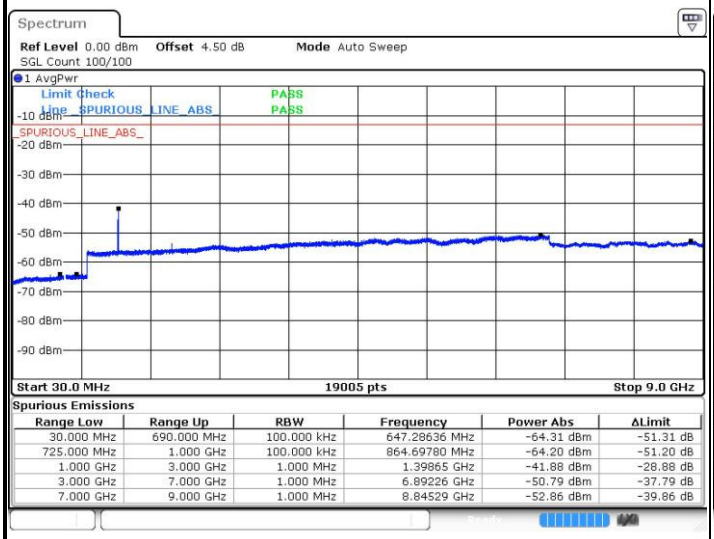
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

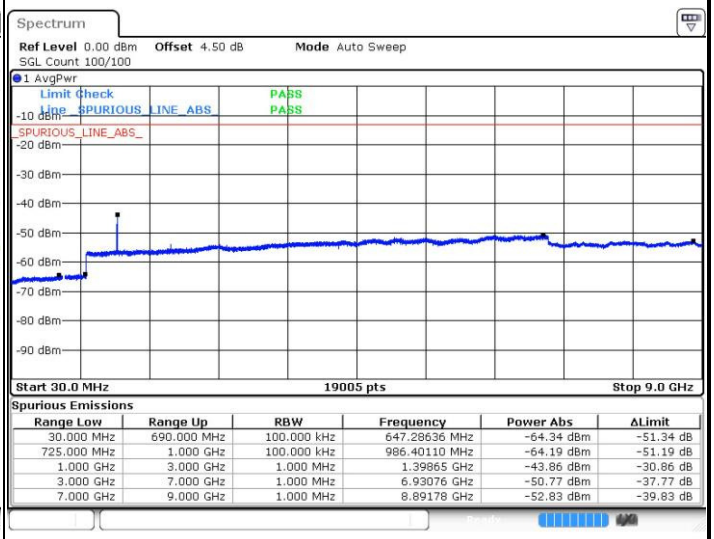


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.28636 MHz	-64.31 dBm	-51.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	864.69780 MHz	-64.20 dBm	-51.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-41.88 dBm	-28.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89226 GHz	-50.79 dBm	-37.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.84529 GHz	-52.86 dBm	-39.86 dB

Date: 3.JUL.2016 04:50:39

Lowest Channel / 16QAM

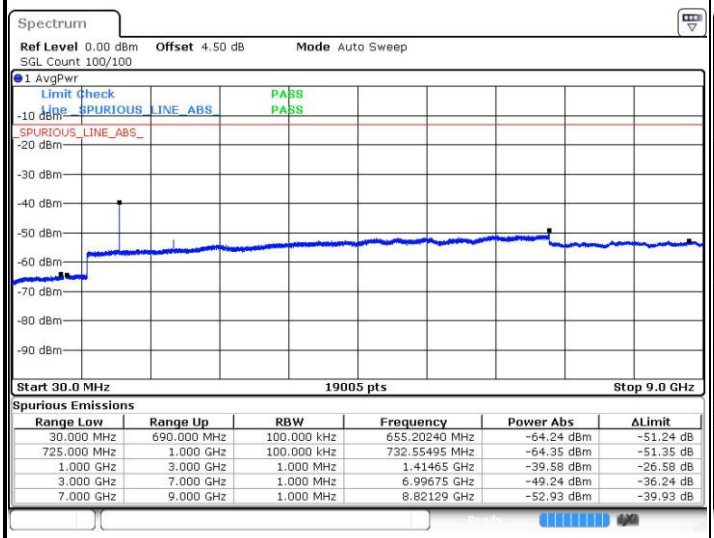


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.28636 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.86 dBm	-30.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93076 GHz	-50.77 dBm	-37.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89178 GHz	-52.83 dBm	-39.83 dB

Date: 3.JUL.2016 04:51:34

Middle Channel / QPSK

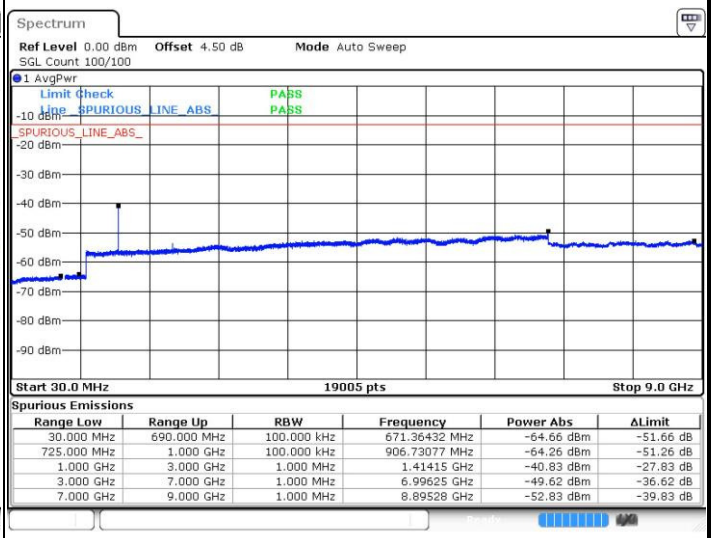


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.20240 MHz	-64.24 dBm	-51.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	732.55495 MHz	-64.35 dBm	-51.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-39.58 dBm	-26.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-49.24 dBm	-36.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.82129 GHz	-52.93 dBm	-39.93 dB

Date: 3.JUL.2016 04:53:24

Middle Channel / 16QAM



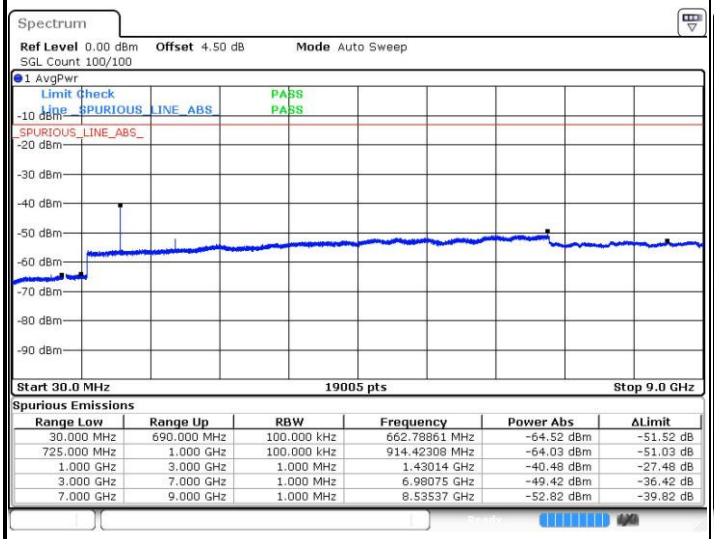
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.36432 MHz	-64.66 dBm	-51.66 dB
725.000 MHz	1.000 GHz	100.000 kHz	906.73077 MHz	-64.26 dBm	-51.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-40.83 dBm	-27.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89528 GHz	-52.83 dBm	-39.83 dB

Date: 3.JUL.2016 04:52:29

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

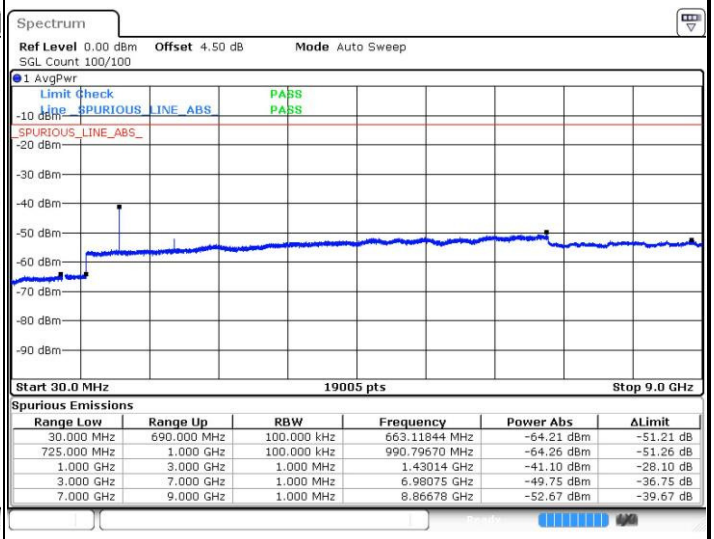


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.78861 MHz	-64.52 dBm	-51.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.42308 MHz	-64.03 dBm	-51.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-40.48 dBm	-27.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-49.42 dBm	-36.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.53537 GHz	-52.82 dBm	-39.82 dB

Date: 3.JUL.2016 04:54:19

Highest Channel / 16QAM



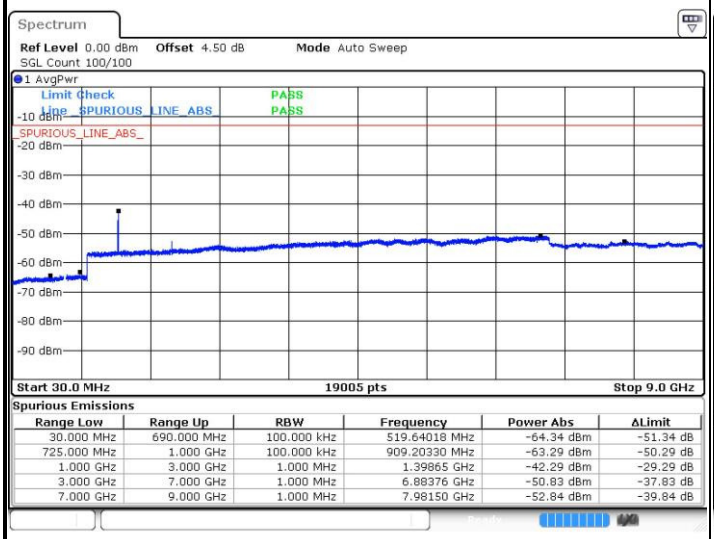
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	663.11844 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.79670 MHz	-64.26 dBm	-51.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-41.10 dBm	-28.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-49.75 dBm	-36.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86678 GHz	-52.67 dBm	-39.67 dB

Date: 3.JUL.2016 04:55:14

LTE Band 12 / 3MHz

Lowest Channel / QPSK

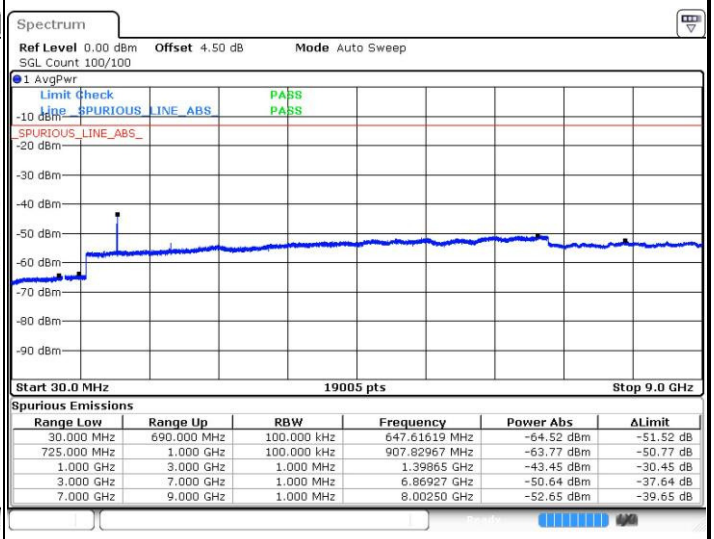


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	519.64018 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	909.20330 MHz	-63.29 dBm	-50.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.29 dBm	-29.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-50.83 dBm	-37.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98150 GHz	-52.84 dBm	-39.84 dB

Date: 3.JUL.2016 05:23:42

Lowest Channel / 16QAM



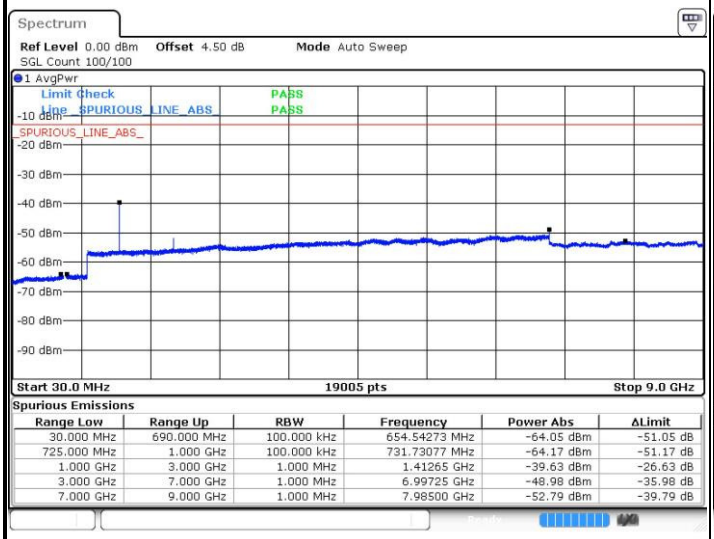
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.61619 MHz	-64.52 dBm	-51.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.82967 MHz	-63.77 dBm	-50.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.45 dBm	-30.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86927 GHz	-50.64 dBm	-37.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00250 GHz	-52.65 dBm	-39.65 dB

Date: 3.JUL.2016 05:24:38

LTE Band 12 / 3MHz

Middle Channel / QPSK

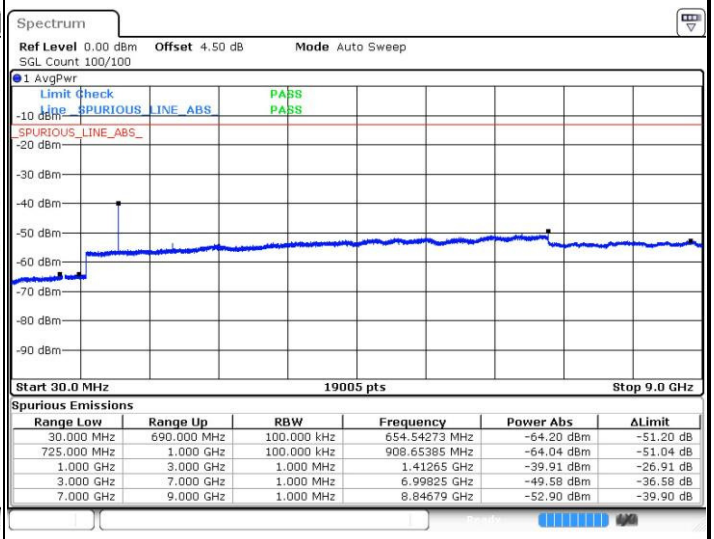


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.05 dBm	-51.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	731.73077 MHz	-64.17 dBm	-51.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-39.63 dBm	-26.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-48.98 dBm	-35.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98500 GHz	-52.79 dBm	-39.79 dB

Date: 3.JUL.2016 05:26:28

Middle Channel / 16QAM

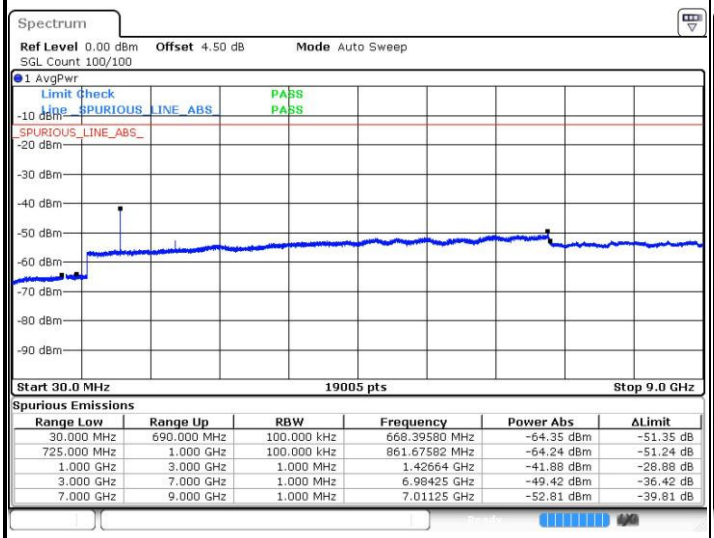


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-64.20 dBm	-51.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	908.65385 MHz	-64.04 dBm	-51.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-39.91 dBm	-26.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.58 dBm	-36.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.84679 GHz	-52.90 dBm	-39.90 dB

Date: 3.JUL.2016 05:25:33

Highest Channel / QPSK

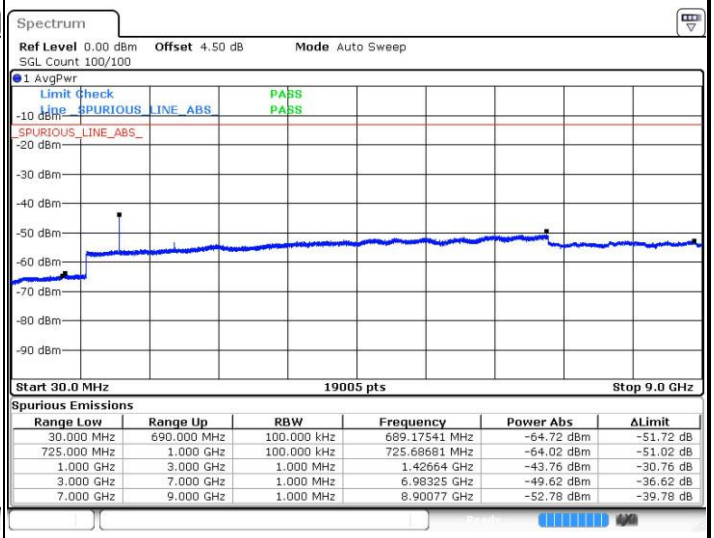


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-64.35 dBm	-51.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	861.67582 MHz	-64.24 dBm	-51.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-41.88 dBm	-28.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-49.42 dBm	-36.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01125 GHz	-52.81 dBm	-39.81 dB

Date: 3.JUL.2016 05:27:24

Highest Channel / 16QAM



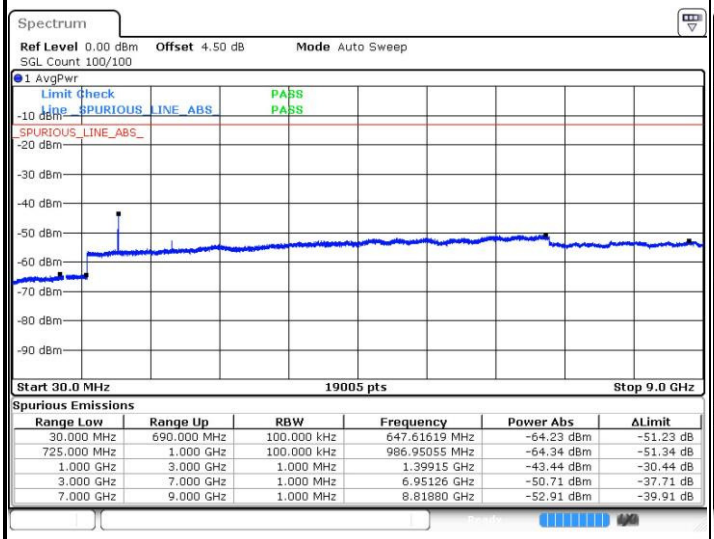
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-64.72 dBm	-51.72 dB
725.000 MHz	1.000 GHz	100.000 kHz	725.68681 MHz	-64.02 dBm	-51.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-43.76 dBm	-30.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90077 GHz	-52.78 dBm	-39.78 dB

Date: 3.JUL.2016 05:28:19

LTE Band 12 / 5MHz

Lowest Channel / QPSK

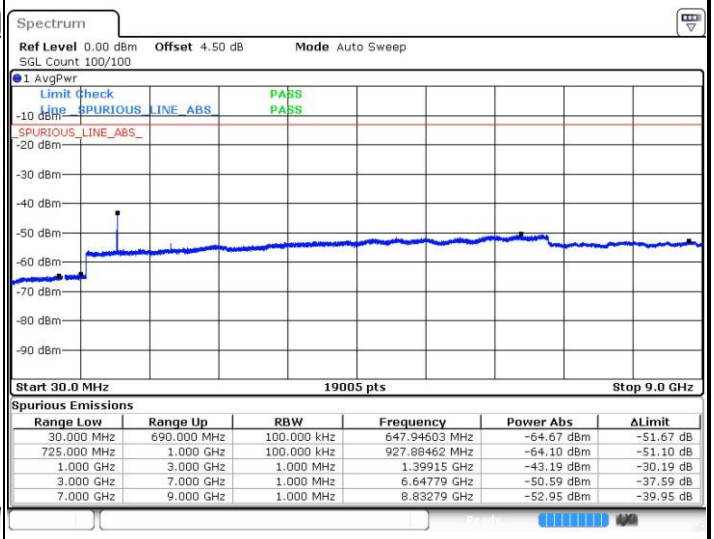


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.61619 MHz	-64.23 dBm	-51.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.95055 MHz	-64.34 dBm	-51.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.44 dBm	-30.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95126 GHz	-50.71 dBm	-37.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81880 GHz	-52.91 dBm	-39.91 dB

Date: 3.JUL.2016 05:56:48

Lowest Channel / 16QAM

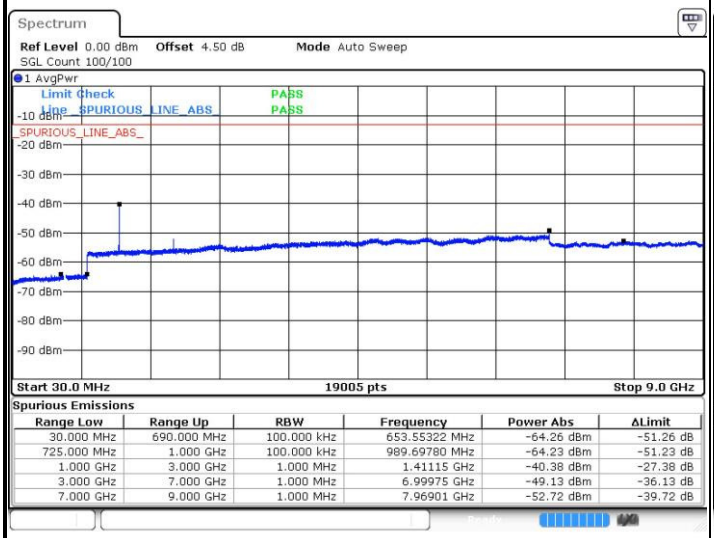


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	647.94603 MHz	-64.67 dBm	-51.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.88462 MHz	-64.10 dBm	-51.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.19 dBm	-30.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.64779 GHz	-50.59 dBm	-37.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.83279 GHz	-52.95 dBm	-39.95 dB

Date: 3.JUL.2016 05:57:44

Middle Channel / QPSK

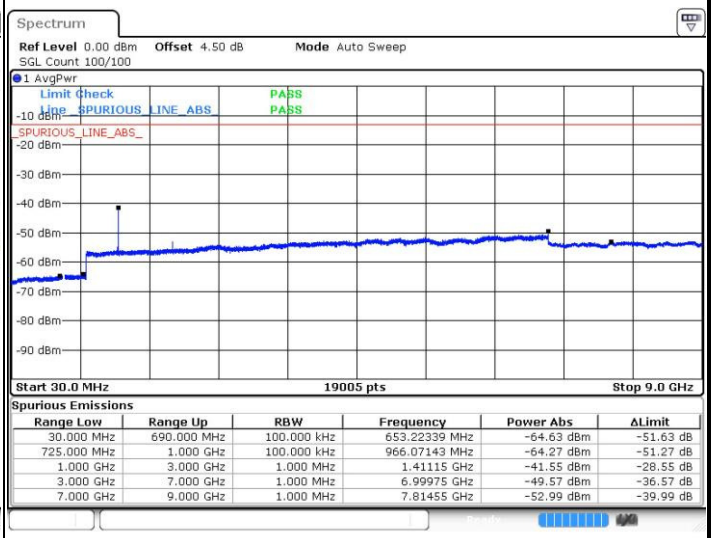


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	653.55322 MHz	-64.26 dBm	-51.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.69780 MHz	-64.23 dBm	-51.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-40.38 dBm	-27.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-49.13 dBm	-36.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.96901 GHz	-52.72 dBm	-39.72 dB

Date: 3.JUL.2016 05:59:35

Middle Channel / 16QAM



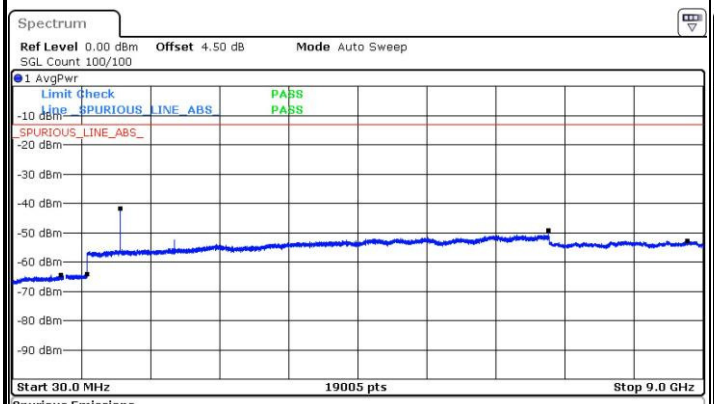
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	653.22339 MHz	-64.63 dBm	-51.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	966.07143 MHz	-64.27 dBm	-51.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-41.55 dBm	-28.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-49.57 dBm	-36.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.81455 GHz	-52.99 dBm	-39.99 dB

Date: 3.JUL.2016 05:58:39

LTE Band 12 / 5MHz

Highest Channel / QPSK

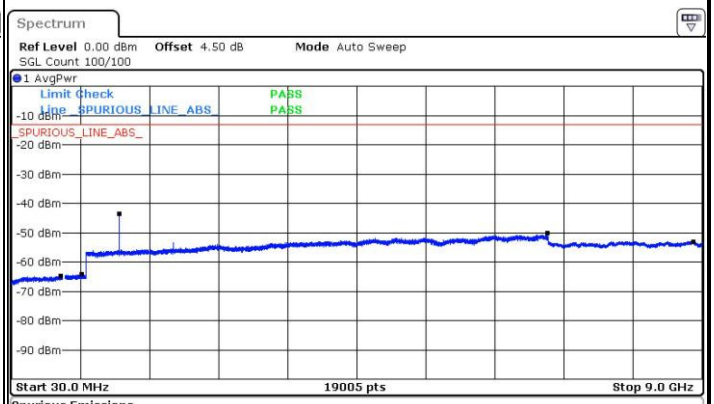


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.49025 MHz	-64.34 dBm	-51.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.69780 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-41.77 dBm	-28.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-49.39 dBm	-36.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79980 GHz	-52.87 dBm	-39.87 dB

Date: 3.JUL.2016 06:00:30

Highest Channel / 16QAM



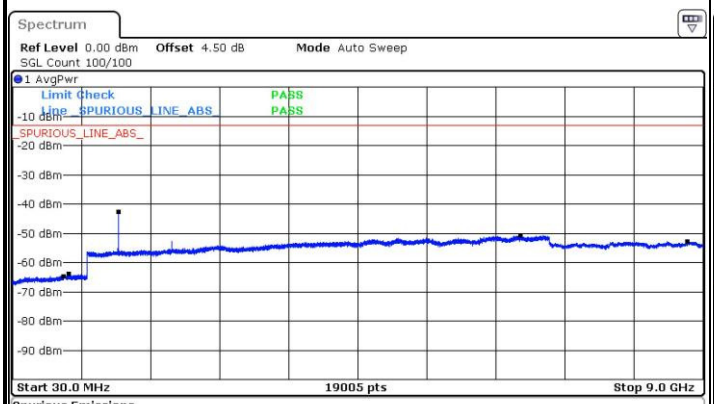
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-64.63 dBm	-51.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	937.77473 MHz	-64.18 dBm	-51.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.53 dBm	-30.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-50.13 dBm	-37.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88678 GHz	-53.03 dBm	-40.03 dB

Date: 3.JUL.2016 06:01:25

LTE Band 12 / 10MHz

Lowest Channel / QPSK

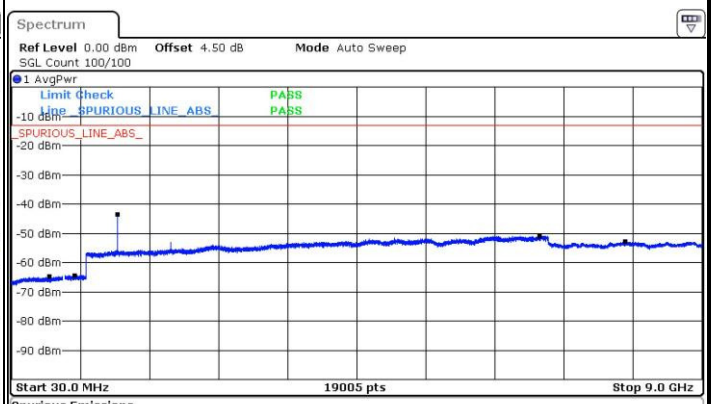


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-64.63 dBm	-51.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	757.82967 MHz	-63.96 dBm	-50.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-42.63 dBm	-29.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.62230 GHz	-50.85 dBm	-37.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79980 GHz	-52.94 dBm	-39.94 dB

Date: 3.JUL.2016 06:29:54

Lowest Channel / 16QAM



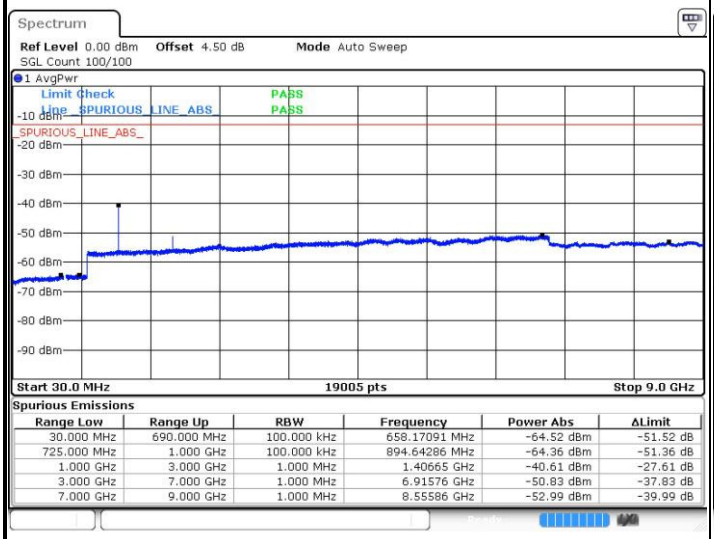
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	519.64018 MHz	-64.78 dBm	-51.78 dB
725.000 MHz	1.000 GHz	100.000 kHz	846.01648 MHz	-64.36 dBm	-51.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.71 dBm	-30.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88976 GHz	-50.90 dBm	-37.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00500 GHz	-52.86 dBm	-39.86 dB

Date: 3.JUL.2016 06:30:49

LTE Band 12 / 10MHz

Middle Channel / QPSK

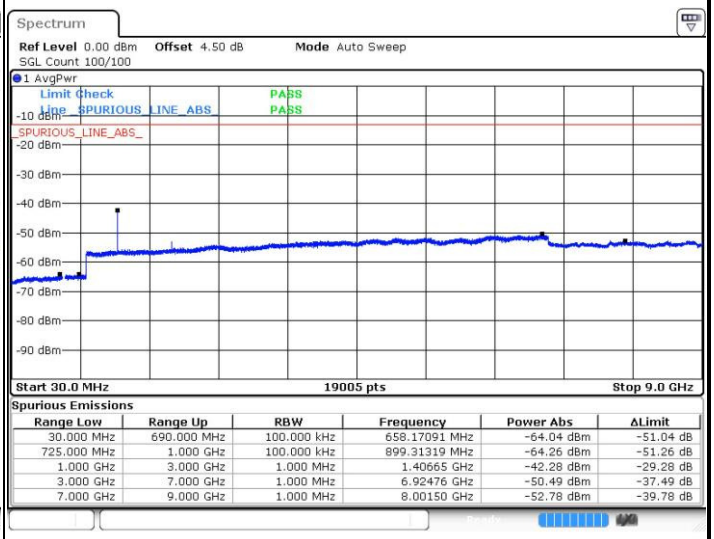


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.17091 MHz	-64.52 dBm	-51.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	894.64286 MHz	-64.36 dBm	-51.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-40.61 dBm	-27.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-50.83 dBm	-37.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.55586 GHz	-52.99 dBm	-39.99 dB

Date: 3.JUL.2016 06:32:39

Middle Channel / 16QAM

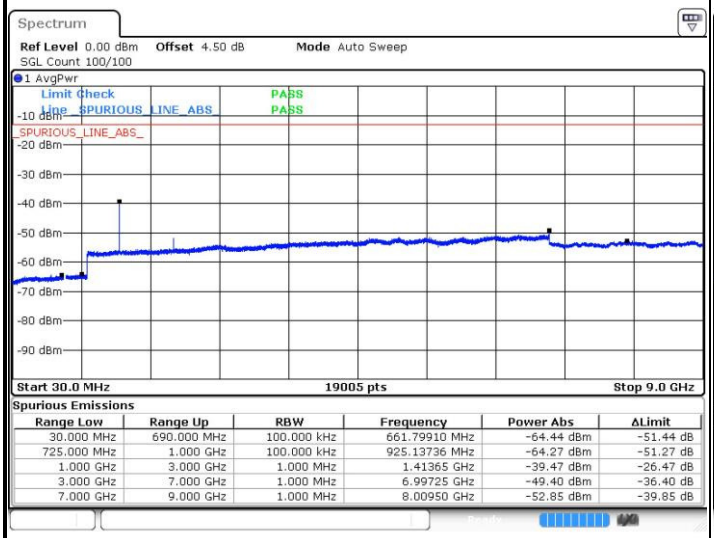


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.17091 MHz	-64.04 dBm	-51.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.31319 MHz	-64.26 dBm	-51.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-42.28 dBm	-29.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92476 GHz	-50.49 dBm	-37.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00150 GHz	-52.78 dBm	-39.78 dB

Date: 3.JUL.2016 06:31:44

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	-64.44 dBm	-51.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	925.13736 MHz	-64.27 dBm	-51.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-39.47 dBm	-26.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-49.40 dBm	-36.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00950 GHz	-52.85 dBm	-39.85 dB

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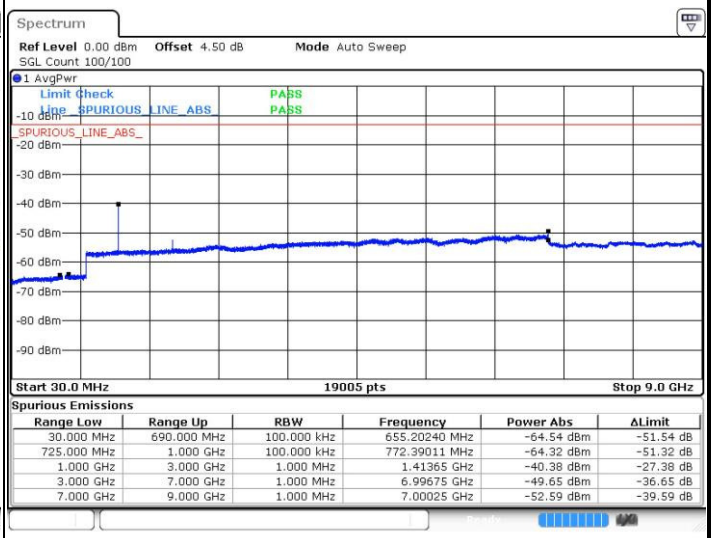
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.20240 MHz	-64.54 dBm	-51.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	772.39011 MHz	-64.32 dBm	-51.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-40.38 dBm	-27.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00025 GHz	-52.59 dBm	-39.59 dB

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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	0.0032	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0011	

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 based on the frequency deviation measured is small.

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0026	

Note:

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

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0075	
0	Normal Voltage	0.0095	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0081	
20	Battery End Point	0.0027	

Note:

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

Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	25.02	0.3177	25.17	0.3285
Middle		3	3	26.53	0.4503	26.97	0.4976
Highest		3	0	24.62	0.2897	24.92	0.3108
Lowest	16QAM	1	5	24.44	0.2782	24.61	0.2889
Middle		1	3	25.42	0.3486	25.85	0.3850
Highest		1	3	23.61	0.2296	23.94	0.2479
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.79	0.3013	24.92	0.3105
Middle		1	0	25.95	0.3932	26.43	0.4391
Highest		1	0	24.49	0.2812	24.72	0.2965
Lowest	16QAM	1	0	24.30	0.2692	24.79	0.3013
Middle		1	0	25.66	0.3682	25.74	0.3753
Highest		1	0	23.19	0.2084	24.51	0.2825
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.64	0.2909	24.83	0.3041
Middle		1	12	26.05	0.4029	26.45	0.4411
Highest		1	12	24.40	0.2757	24.82	0.3036
Lowest	16QAM	1	12	24.14	0.2594	24.37	0.2735
Middle		1	12	25.85	0.3846	25.53	0.3573
Highest		1	0	23.77	0.2384	24.37	0.2734
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	24.88	0.3076	25.00	0.3162
Middle		1	25	25.80	0.3804	26.20	0.4173
Highest		1	25	24.93	0.3112	25.02	0.3177
Lowest	16QAM	1	25	24.44	0.2780	24.03	0.2529
Middle		1	25	25.88	0.3874	25.82	0.3818
Highest		1	25	23.81	0.2404	23.65	0.2317
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	24.87	0.3072	25.05	0.3199
Middle		1	37	26.05	0.4026	26.45	0.4414
Highest		1	0	24.91	0.3101	25.46	0.3514
Lowest	16QAM	1	0	24.49	0.2814	24.62	0.2900
Middle		1	0	25.23	0.3335	25.55	0.3586
Highest		1	0	24.46	0.2796	25.00	0.3160
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.94	0.3116	25.09	0.3227
Middle		1	49	26.32	0.4288	26.73	0.4712
Highest		1	49	24.80	0.3017	25.21	0.3317
Lowest	16QAM	1	0	24.64	0.2908	24.77	0.3002
Middle		1	99	25.71	0.3727	26.14	0.4110
Highest		1	0	24.76	0.2994	25.20	0.3314
Limit	EIRP < 2W			Result		PASS	

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.94	0.1969	22.19	0.1654
Middle		3	1	23.24	0.2108	23.35	0.2161
Highest		3	1	22.96	0.1977	22.94	0.1968
Lowest	16QAM	3	3	22.13	0.1635	21.28	0.1341
Middle		3	1	22.90	0.1952	21.57	0.1437
Highest		3	1	22.52	0.1788	21.84	0.1529
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.82	0.1915	22.26	0.1683
Middle		1	8	23.34	0.2160	23.18	0.2082
Highest		1	0	22.90	0.1950	22.79	0.1900
Lowest	16QAM	1	0	21.68	0.1472	20.74	0.1186
Middle		1	0	22.17	0.1647	22.49	0.1776
Highest		1	14	21.99	0.1579	22.34	0.1713
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.99	0.1990	22.05	0.1601
Middle		1	12	23.58	0.2279	23.35	0.2164
Highest		1	24	22.96	0.1977	22.68	0.1853
Lowest	16QAM	1	0	21.88	0.1540	22.11	0.1625
Middle		1	0	22.35	0.1717	22.34	0.1714
Highest		1	0	21.82	0.1520	22.17	0.1648
Limit	EIRP < 1W			Result		PASS	

LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.82	0.1914	22.12	0.1629
Middle		1	0	23.57	0.2273	23.26	0.2116
Highest		1	49	23.32	0.2145	23.20	0.2090
Lowest	16QAM	1	0	22.52	0.1786	21.84	0.1528
Middle		1	0	22.32	0.1706	22.12	0.1629
Highest		1	49	22.22	0.1667	21.89	0.1545
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.19	0.2083	22.11	0.1625
Middle		1	0	23.62	0.2300	22.87	0.1938
Highest		1	0	23.49	0.2234	22.90	0.1950
Lowest	16QAM	1	0	22.24	0.1675	21.63	0.1455
Middle		1	0	22.54	0.1795	22.30	0.1698
Highest		1	0	22.43	0.1750	22.28	0.1690
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.68	0.1855	22.32	0.1706
Middle		1	0	23.18	0.2079	22.84	0.1923
Highest		1	0	23.30	0.2140	23.39	0.2182
Lowest	16QAM	1	0	22.44	0.1754	21.23	0.1327
Middle		1	0	22.68	0.1854	21.50	0.1413
Highest		1	0	23.19	0.2085	21.83	0.1524
Limit	EIRP < 1W			Result		PASS	

LTE Band 12 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	19.48	0.0887	0.03	0.0010
Middle		3	1	19.05	0.0803	4.04	0.0025
Highest		3	1	19.82	0.0960	6.66	0.0046
Lowest	16QAM	3	1	18.98	0.0790	-0.60	0.0009
Middle		1	3	18.11	0.0647	3.07	0.0020
Highest		3	3	19.10	0.0812	5.64	0.0037
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	19.18	0.0828	-0.20	0.0010
Middle		1	0	18.99	0.0792	3.15	0.0021
Highest		1	14	20.00	0.0999	7.07	0.0051
Lowest	16QAM	1	8	18.48	0.0705	-0.04	0.0010
Middle		1	8	17.95	0.0624	2.91	0.0020
Highest		1	0	18.52	0.0711	5.74	0.0038
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.19	0.0830	0.66	0.0012
Middle		1	12	18.93	0.0781	3.59	0.0023
Highest		1	24	19.27	0.0846	6.02	0.0040
Lowest	16QAM	1	24	18.31	0.0677	1.08	0.0013
Middle		1	12	18.28	0.0673	3.21	0.0021
Highest		1	12	18.92	0.0779	6.13	0.0041
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	18.99	0.0793	1.33	0.0014
Middle		1	25	19.00	0.0794	3.65	0.0023
Highest		1	25	18.89	0.0774	5.16	0.0033
Lowest	16QAM	1	49	18.81	0.0760	0.76	0.0012
Middle		1	0	18.17	0.0656	0.77	0.0012
Highest		1	25	18.53	0.0713	4.98	0.0031
Limit	ERP < 3W			Result		PASS	

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	3758.92	-48.29	-13	-35.29	-61.84	-54.33	6.56	12.60	H
	5638.38	-41.26	-13	-28.26	-57.20	-46.36	8	13.10	H
	7517.84	-46.78	-13	-33.78	-65.52	-48.51	9.57	11.30	H
	3758.92	-45.14	-13	-32.14	-58.49	-51.18	6.56	12.6	V
	5638.38	-43.72	-13	-30.72	-61.07	-48.82	8	13.1	V
	7517.84	-48.47	-13	-35.47	-66.87	-50.20	9.57	11.3	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	3757.48	-46.46	-13	-33.46	-60.01	-52.50	6.56	12.60	H
	5636.22	-44.73	-13	-31.73	-60.67	-49.83	8	13.10	H
	7514.96	-45.74	-13	-32.74	-64.48	-47.47	9.57	11.30	H
	3757.48	-49.08	-13	-36.08	-62.43	-55.12	6.56	12.6	V
	5636.22	-38.90	-13	-25.90	-56.57	-44.00	8	13.1	V
	7514.96	-48.27	-13	-35.27	-66.67	-50.00	9.57	11.3	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	3755.68	-45.31	-13	-32.31	-58.86	-51.35	6.56	12.60	H
	5633.52	-43.67	-13	-30.67	-59.61	-48.77	8	13.10	H
	7511.36	-47.33	-13	-34.33	-66.07	-49.06	9.57	11.30	H
	3755.68	-49.33	-13	-36.33	-62.68	-55.37	6.56	12.6	V
	5633.52	-42.38	-13	-29.38	-59.73	-47.48	8	13.1	V
	7511.36	-46.21	-13	-33.21	-64.61	-47.94	9.57	11.3	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	3751	-47.19	-13	-34.19	-60.74	-53.23	6.56	12.60	H
	5626.5	-45.24	-13	-32.24	-61.18	-50.34	8	13.10	H
	7502.36	-46.29	-13	-33.29	-65.03	-48.02	9.57	11.30	H
	3751	-46.67	-13	-33.67	-60.02	-52.71	6.56	12.6	V
	5626.5	-44.14	-13	-31.14	-61.49	-49.24	8	13.1	V
	7502.36	-49.44	-13	-36.44	-67.84	-51.17	9.57	11.3	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	3746.68	-48.04	-13	-35.04	-61.59	-54.08	6.56	12.60	H
	5620.02	-43.85	-13	-30.85	-59.79	-48.95	8	13.10	H
	7493.36	-45.73	-13	-32.73	-64.47	-47.46	9.57	11.30	H
	3746.68	-48.48	-13	-35.48	-61.83	-54.52	6.56	12.6	V
	5620.02	-42.53	-13	-29.53	-59.88	-47.63	8	13.1	V
	7493.36	-46.99	-13	-33.99	-65.39	-48.72	9.57	11.3	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	3742.18	-46.53	-13	-33.53	-60.08	-52.57	6.56	12.60	H
	5613.27	-45.49	-13	-32.49	-61.43	-50.59	8	13.10	H
	7484.36	-47.95	-13	-34.95	-66.69	-49.68	9.57	11.30	H
	3742.18	-48.68	-13	-35.68	-62.03	-54.72	6.56	12.6	V
	5613.27	-43.88	-13	-30.88	-61.23	-48.98	8	13.1	V
	7484.36	-49.03	-13	-36.03	-67.43	-50.76	9.57	11.3	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	3463.74	-43.99	-13	-30.99	-58.74	-50.41	6.18	12.60	H
	5195.61	-48.33	-13	-35.33	-66.33	-53.29	7.74	12.70	H
	6927.48	-48.31	-13	-35.31	-67.12	-51.01	9	11.70	H
	3463.74	-47.45	-13	-34.45	-58.4	-53.87	6.18	12.60	V
	5195.61	-53.24	-13	-40.24	-66.24	-58.20	7.74	12.70	V
	6927.48	-51.14	-13	-38.14	-67.85	-53.84	9	11.70	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	3462.48	-43.06	-13	-30.06	-57.81	-49.48	6.18	12.60	H
	5193.72	-47.39	-13	-34.39	-65.39	-52.35	7.74	12.70	H
	6924.96	-48.11	-13	-35.11	-66.92	-50.81	9	11.70	H
	3462.48	-48.49	-13	-35.49	-59.44	-54.91	6.18	12.60	V
	5193.72	-54.45	-13	-41.45	-67.45	-59.41	7.74	12.70	V
	6924.96	-51.11	-13	-38.11	-67.82	-53.81	9	11.70	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	3460.68	-42.92	-13	-29.92	-57.67	-49.34	6.18	12.60	H
	5191.02	-43.55	-13	-30.55	-61.55	-48.51	7.74	12.70	H
	6921.36	-48.00	-13	-35.00	-66.81	-50.70	9	11.70	H
	3460.68	-47.51	-13	-34.51	-58.46	-53.93	6.18	12.60	V
	5191.02	-50.29	-13	-37.29	-63.29	-55.25	7.74	12.70	V
	6921.36	-51.58	-13	-38.58	-68.29	-54.28	9	11.70	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	3456.18	-44.65	-13	-31.65	-59.40	-51.07	6.18	12.60	H
	5184.27	-42.36	-13	-29.36	-60.36	-47.32	7.74	12.70	H
	6912.36	-49.25	-13	-36.25	-68.06	-51.95	9	11.70	H
	3456.18	-49.23	-13	-36.23	-60.18	-55.65	6.18	12.60	V
	5184.27	-48.49	-13	-35.49	-61.49	-53.45	7.74	12.70	V
	6912.36	-49.67	-13	-36.67	-66.38	-52.37	9	11.70	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	3451.68	-43.29	-13	-30.29	-58.04	-49.71	6.18	12.60	H
	5177.52	-43.05	-13	-30.05	-61.05	-48.01	7.74	12.70	H
	6903.36	-48.55	-13	-35.55	-67.36	-51.25	9	11.70	H
	3451.68	-46.45	-13	-33.45	-57.77	-52.87	6.18	12.60	V
	5177.52	-49.01	-13	-36.01	-62.01	-53.97	7.74	12.70	V
	6903.36	-51.75	-13	-38.75	-68.46	-54.45	9	11.70	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	3447.18	-44.27	-13	-31.27	-59.02	-50.69	6.18	12.60	H
	5170.77	-40.27	-13	-27.27	-58.27	-45.23	7.74	12.70	H
	6894.36	-47.92	-13	-34.92	-66.73	-50.62	9	11.70	H
	3447.18	-48.42	-13	-35.42	-59.37	-54.84	6.18	12.60	V
	5170.77	-46.46	-13	-33.46	-59.47	-51.42	7.74	12.70	V
	6894.36	-50.41	-13	-37.41	-67.12	-53.11	9	11.70	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	1413.74	-57.44	-13	-44.44	-60.27	-64.13	0.56	9.40	H
	2120.61	-56.31	-13	-43.31	-62.05	-64.02	0.74	10.60	H
	2827.48	-57.64	-13	-44.64	-66.45	-67.24	0.85	12.60	H
	1413.74	-58.63	-13	-45.63	-60.29	-65.32	0.56	9.40	V
	2120.61	-55.94	-13	-42.94	-61.52	-63.65	0.74	10.60	V
	2827.48	-58.34	-13	-45.34	-66.48	-67.94	0.85	12.60	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	1412.3	-58.64	-13	-45.64	-61.47	-65.33	0.56	9.40	H
	2118.45	-54.15	-13	-41.15	-59.89	-61.86	0.74	10.60	H
	2824.6	-58.06	-13	-45.06	-66.87	-67.66	0.85	12.60	H
	1412.3	-59.22	-13	-46.22	-60.88	-65.91	0.56	9.40	V
	2118.45	-57.57	-13	-44.57	-63.15	-65.28	0.74	10.60	V
	2824.6	-58.34	-13	-45.34	-66.48	-67.94	0.85	12.60	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	1410.5	-60.39	-13	-47.39	-63.22	-67.08	0.56	9.40	H
	2115.75	-59.07	-13	-46.07	-64.81	-66.78	0.74	10.60	H
	2821	-57.87	-13	-44.87	-66.68	-67.47	0.85	12.60	H
	1410.5	-62.82	-13	-49.82	-64.48	-69.51	0.56	9.40	V
	2115.75	-60.99	-13	-47.99	-66.57	-68.70	0.74	10.60	V
	2821	-59.20	-13	-46.20	-67.34	-68.80	0.85	12.60	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	-52.86	-13	-39.86	-55.79	-59.55	0.56	9.40	H
	2109	-60.38	-13	-47.38	-66.12	-68.09	0.74	10.60	H
	2812	-58.24	-13	-45.24	-67.05	-67.84	0.85	12.60	H
	1406	-58.01	-13	-45.01	-59.67	-64.70	0.56	9.40	V
	2109	-59.82	-13	-46.82	-65.40	-67.53	0.74	10.60	V
	2812	-59.13	-13	-46.13	-67.27	-68.73	0.85	12.60	V

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