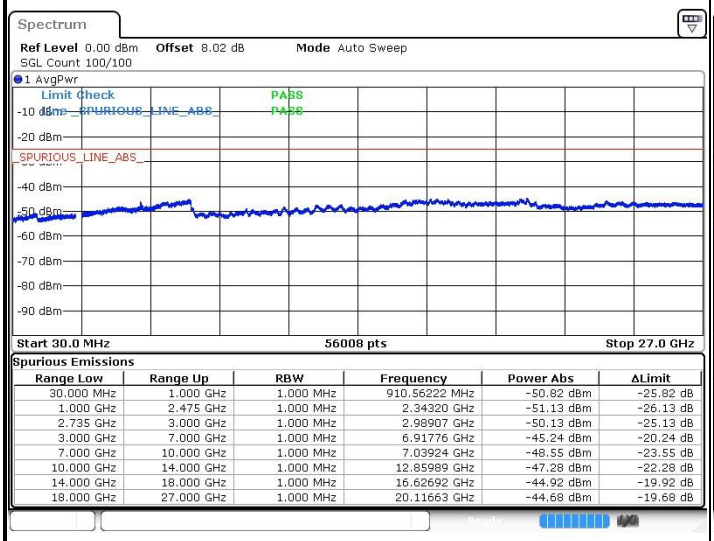
LTE Band 41 / 20MHz+15MHz

Lowest Channel / QPSK

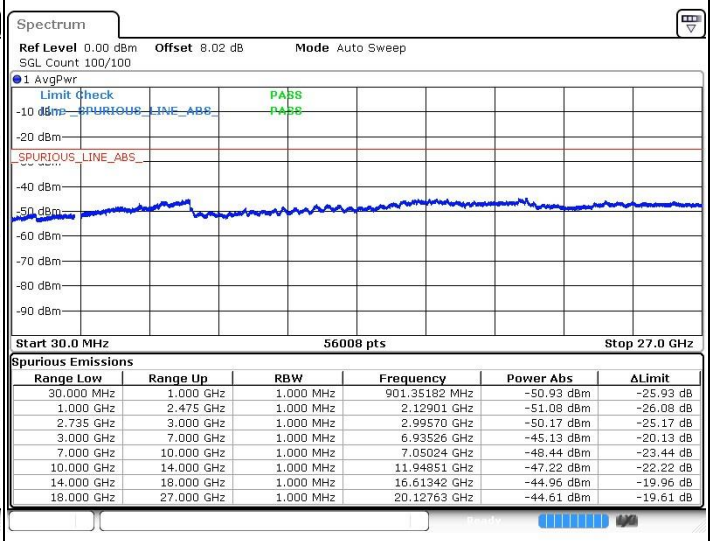


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-50.82 dBm	-25.82 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.34320 GHz	-51.13 dBm	-26.13 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98907 GHz	-50.13 dBm	-25.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91776 GHz	-45.24 dBm	-20.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.03924 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.85989 GHz	-47.28 dBm	-22.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.62692 GHz	-44.92 dBm	-19.92 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.11663 GHz	-44.68 dBm	-19.68 dB

Date: 16.JAN.2019 19:03:59

Lowest Channel / 16QAM

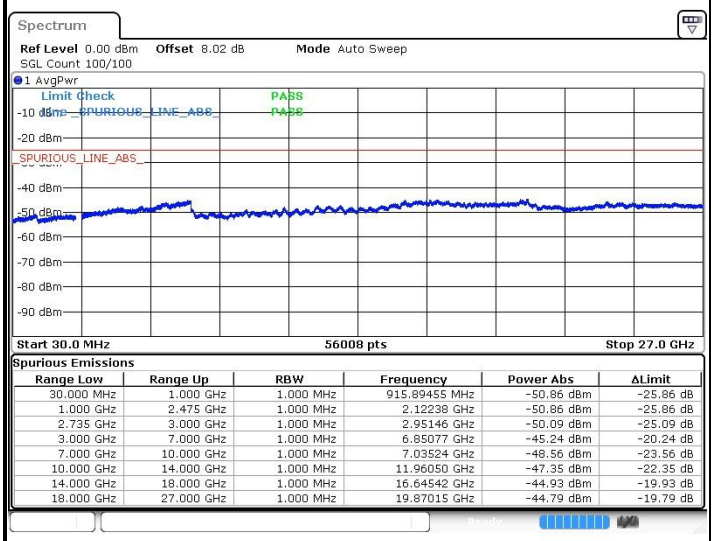


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-50.93 dBm	-25.93 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12901 GHz	-51.08 dBm	-26.08 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99570 GHz	-50.17 dBm	-25.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93526 GHz	-45.13 dBm	-20.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.05024 GHz	-48.44 dBm	-23.44 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.94851 GHz	-47.22 dBm	-22.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.61342 GHz	-44.96 dBm	-19.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.12763 GHz	-44.61 dBm	-19.61 dB

Date: 16.JAN.2019 19:05:05

Lowest Channel / 64QAM



Spurious Emissions

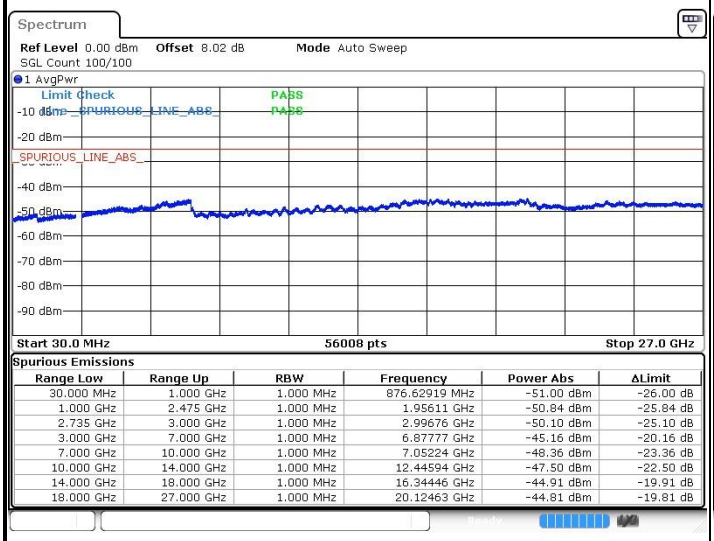
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-50.86 dBm	-25.86 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12238 GHz	-50.86 dBm	-25.86 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.95146 GHz	-50.09 dBm	-25.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85077 GHz	-45.24 dBm	-20.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.03524 GHz	-48.56 dBm	-23.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.96050 GHz	-47.35 dBm	-22.35 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.64542 GHz	-44.93 dBm	-19.93 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.87015 GHz	-44.79 dBm	-19.79 dB

Date: 16.JAN.2019 19:06:13

N/A

LTE Band 41 / 20MHz+15MHz

Middle Channel / QPSK

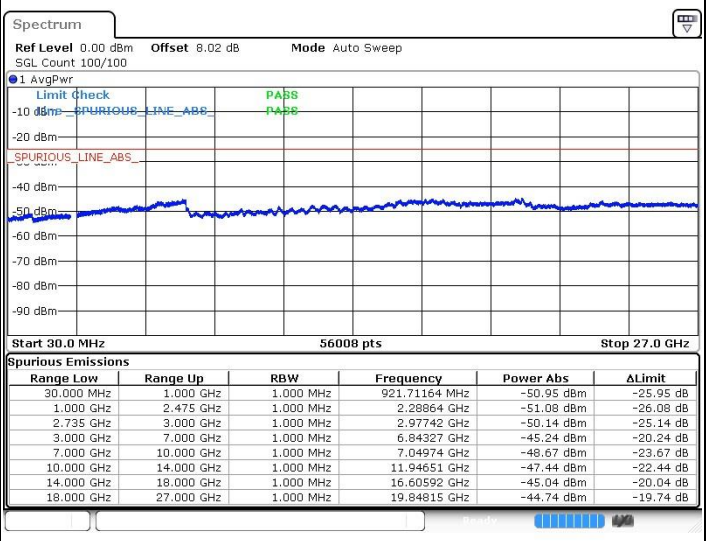


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.62919 MHz	-51.00 dBm	-26.00 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.95611 GHz	-50.84 dBm	-25.84 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99676 GHz	-50.10 dBm	-25.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87777 GHz	-45.16 dBm	-20.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.05224 GHz	-48.36 dBm	-23.36 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.44594 GHz	-47.50 dBm	-22.50 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34446 GHz	-44.91 dBm	-19.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.12463 GHz	-44.81 dBm	-19.81 dB

Date: 16.JAN.2019 19:09:41

Middle Channel / 16QAM

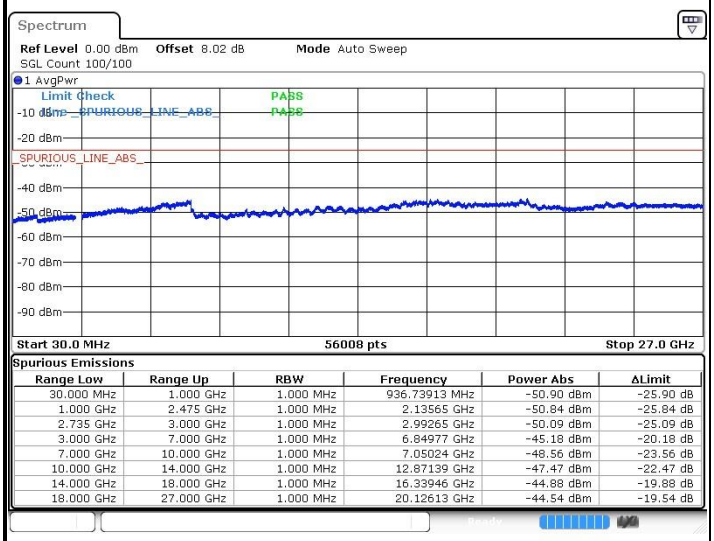


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-50.95 dBm	-25.95 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.28864 GHz	-51.08 dBm	-26.08 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.97742 GHz	-50.14 dBm	-25.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84327 GHz	-45.24 dBm	-20.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.04974 GHz	-48.67 dBm	-23.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.94651 GHz	-47.44 dBm	-22.44 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.60592 GHz	-45.04 dBm	-20.04 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.84815 GHz	-44.74 dBm	-19.74 dB

Date: 16.JAN.2019 19:08:46

Middle Channel / 64QAM



Spurious Emissions

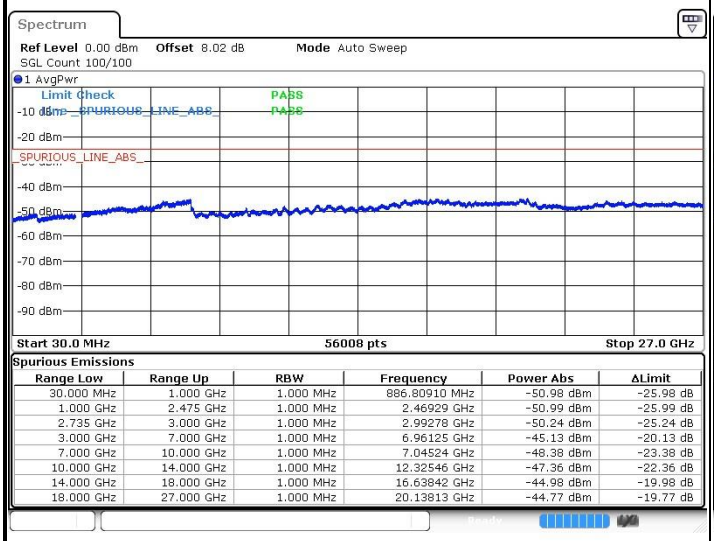
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-50.90 dBm	-25.90 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13565 GHz	-50.84 dBm	-25.84 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99265 GHz	-50.09 dBm	-25.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84977 GHz	-45.18 dBm	-20.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.05024 GHz	-48.56 dBm	-23.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.87139 GHz	-47.47 dBm	-22.47 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.33946 GHz	-44.88 dBm	-19.88 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.12613 GHz	-44.54 dBm	-19.54 dB

Date: 16.JAN.2019 19:07:52

N/A

LTE Band 41 / 20MHz+15MHz

Highest Channel / QPSK

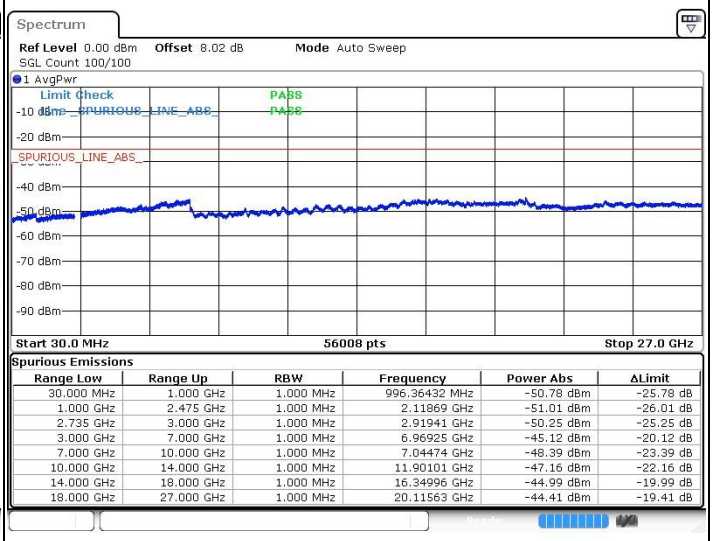


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-50.98 dBm	-25.98 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46929 GHz	-50.99 dBm	-25.99 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99278 GHz	-50.24 dBm	-25.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96125 GHz	-45.13 dBm	-20.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.04524 GHz	-48.38 dBm	-23.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.32546 GHz	-47.36 dBm	-22.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.63842 GHz	-44.98 dBm	-19.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.13813 GHz	-44.77 dBm	-19.77 dB

Date: 16.JAN.2019 19:23:38

Highest Channel / 16QAM

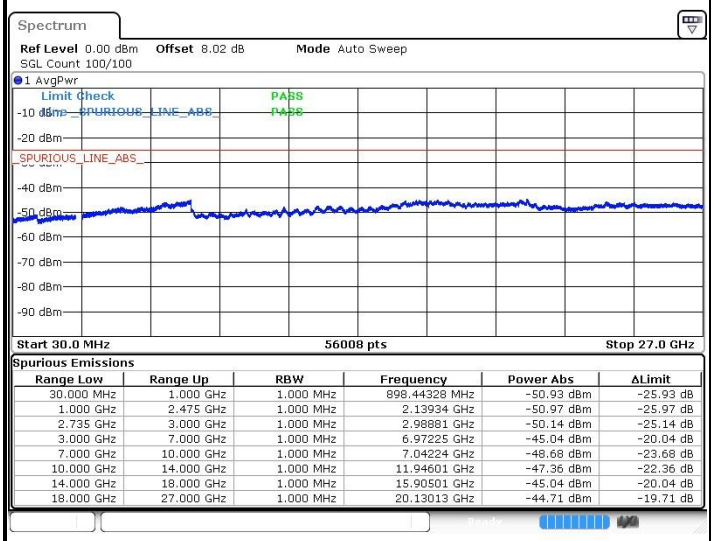


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-50.78 dBm	-25.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.11869 GHz	-51.01 dBm	-26.01 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.91941 GHz	-50.25 dBm	-25.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96925 GHz	-45.12 dBm	-20.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.04474 GHz	-48.39 dBm	-23.39 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.90101 GHz	-47.16 dBm	-22.16 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.34996 GHz	-44.99 dBm	-19.99 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.11563 GHz	-44.41 dBm	-19.41 dB

Date: 16.JAN.2019 19:24:53

Highest Channel / 64QAM



Spurious Emissions

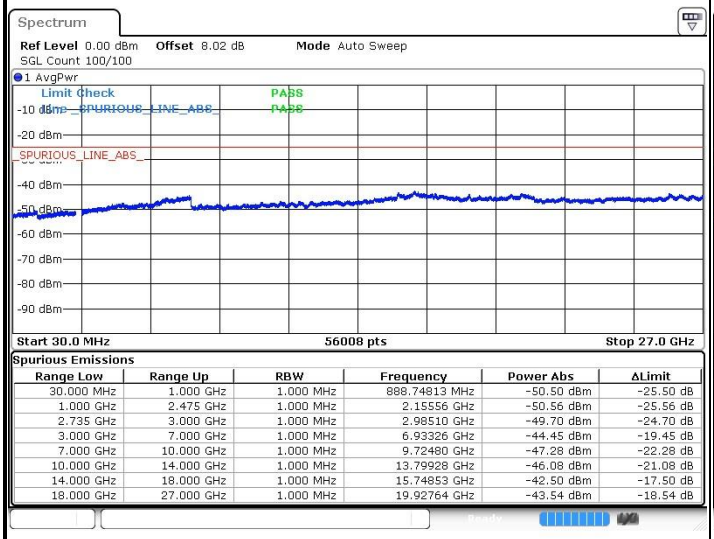
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-50.93 dBm	-25.93 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13934 GHz	-50.97 dBm	-25.97 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98881 GHz	-50.14 dBm	-25.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97225 GHz	-45.04 dBm	-20.04 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.04224 GHz	-48.68 dBm	-23.68 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.94601 GHz	-47.36 dBm	-22.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.90501 GHz	-45.04 dBm	-20.04 dB
18.000 GHz	27.000 GHz	1.000 MHz	20.13013 GHz	-44.71 dBm	-19.71 dB

Date: 16.JAN.2019 19:26:10

N/A

LTE Band 41 / 20MHz+20MHz

Lowest Channel / QPSK

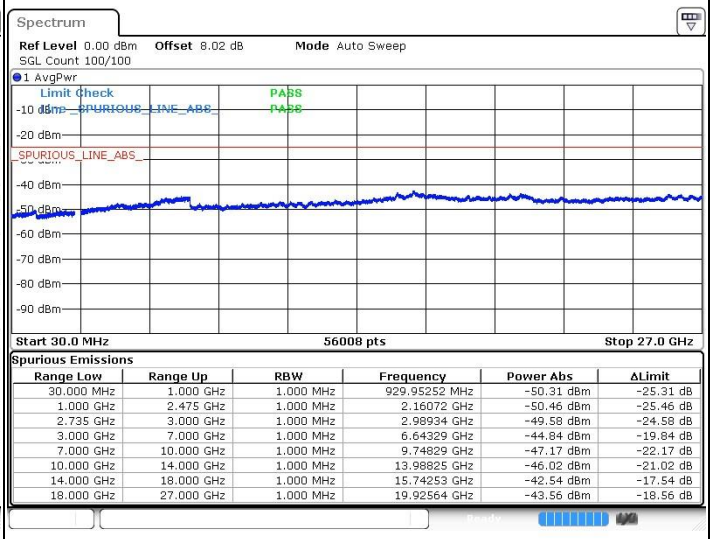


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-50.50 dBm	-25.50 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15556 GHz	-50.56 dBm	-25.56 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98510 GHz	-49.70 dBm	-24.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93326 GHz	-44.45 dBm	-19.45 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.72480 GHz	-47.28 dBm	-22.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79928 GHz	-46.08 dBm	-21.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74853 GHz	-42.50 dBm	-17.50 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92764 GHz	-43.54 dBm	-18.54 dB

Date: 17.JAN.2019 10:05:58

Lowest Channel / 16QAM

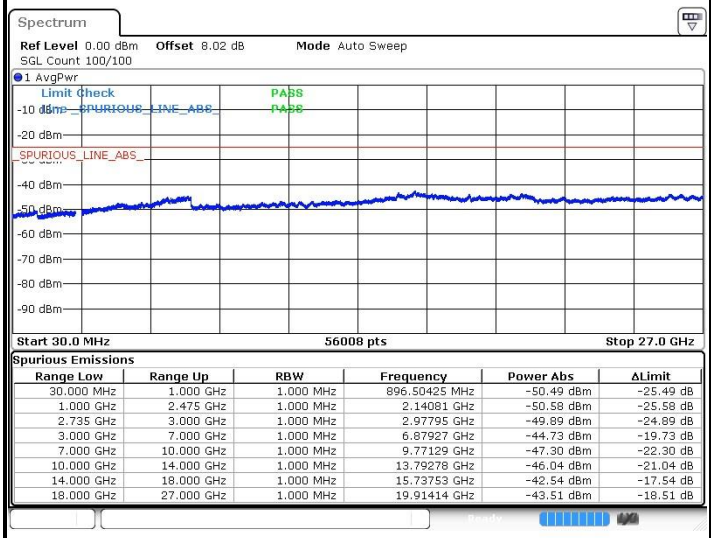


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-50.31 dBm	-25.31 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.16072 GHz	-50.46 dBm	-25.46 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98934 GHz	-49.58 dBm	-24.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.64329 GHz	-44.84 dBm	-19.84 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74829 GHz	-47.17 dBm	-22.17 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98825 GHz	-46.02 dBm	-21.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74253 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92564 GHz	-43.56 dBm	-18.56 dB

Date: 17.JAN.2019 10:04:48

Lowest Channel / 64QAM



Spurious Emissions

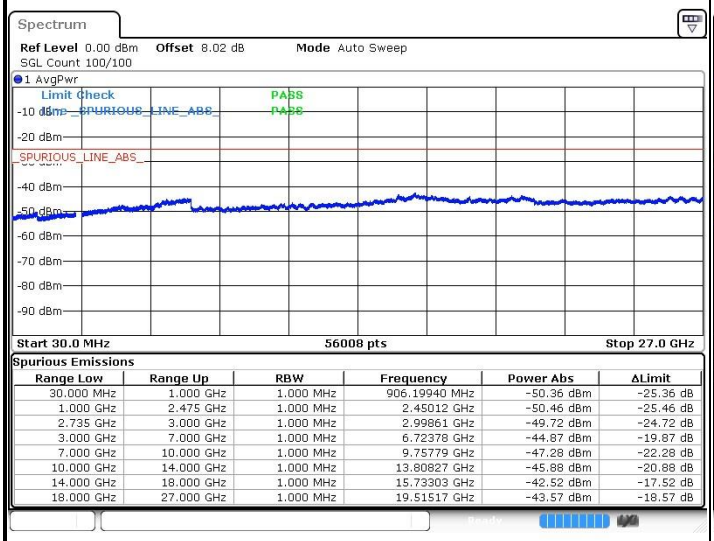
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-50.49 dBm	-25.49 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14081 GHz	-50.58 dBm	-25.58 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.97795 GHz	-49.89 dBm	-24.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87927 GHz	-44.73 dBm	-19.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77129 GHz	-47.30 dBm	-22.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79278 GHz	-46.04 dBm	-21.04 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73753 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91414 GHz	-43.51 dBm	-18.51 dB

Date: 17.JAN.2019 10:03:37

N/A

LTE Band 41 / 20MHz+20MHz

MiddleChannel / QPSK

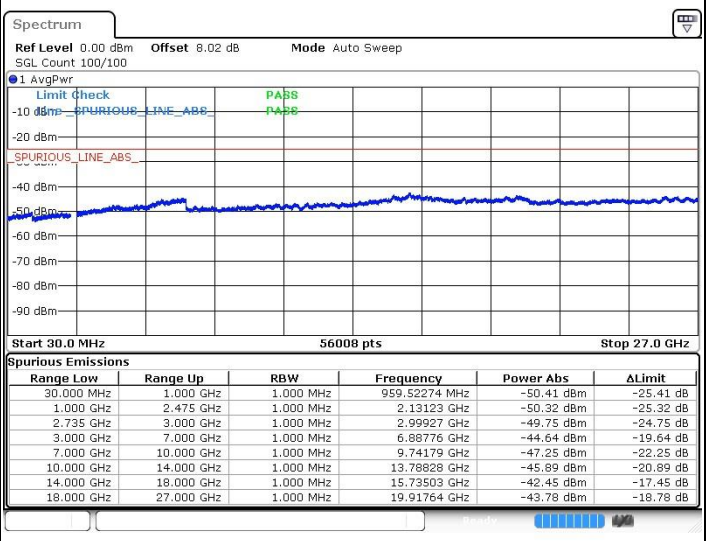


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-50.36 dBm	-25.36 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45012 GHz	-50.46 dBm	-25.46 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99861 GHz	-49.72 dBm	-24.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.72378 GHz	-44.87 dBm	-19.87 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.75779 GHz	-47.28 dBm	-22.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80827 GHz	-45.88 dBm	-20.88 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73303 GHz	-42.52 dBm	-17.52 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.51517 GHz	-43.57 dBm	-18.57 dB

Date: 17.JAN.2019 09:56:38

Middle Channel / 16QAM

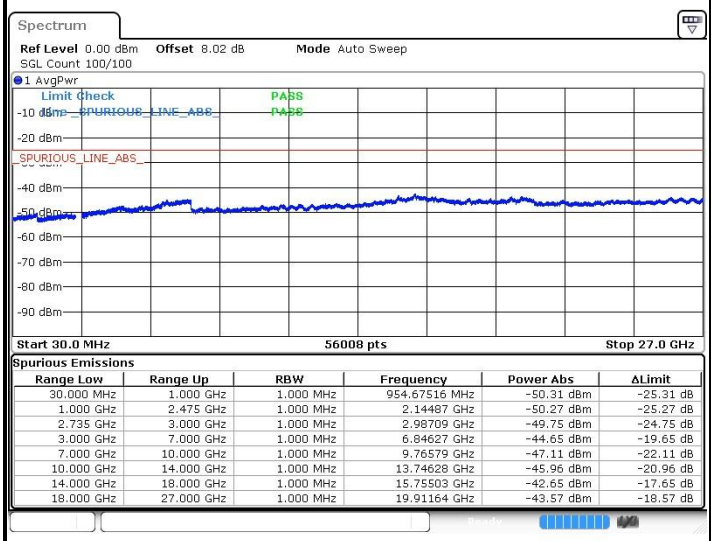


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-50.41 dBm	-25.41 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13123 GHz	-50.32 dBm	-25.32 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99927 GHz	-49.75 dBm	-24.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88776 GHz	-44.64 dBm	-19.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.74179 GHz	-47.25 dBm	-22.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.78828 GHz	-45.89 dBm	-20.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.73503 GHz	-42.45 dBm	-17.45 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91764 GHz	-43.78 dBm	-18.78 dB

Date: 17.JAN.2019 09:57:37

Middle Channel / 64QAM



Spurious Emissions

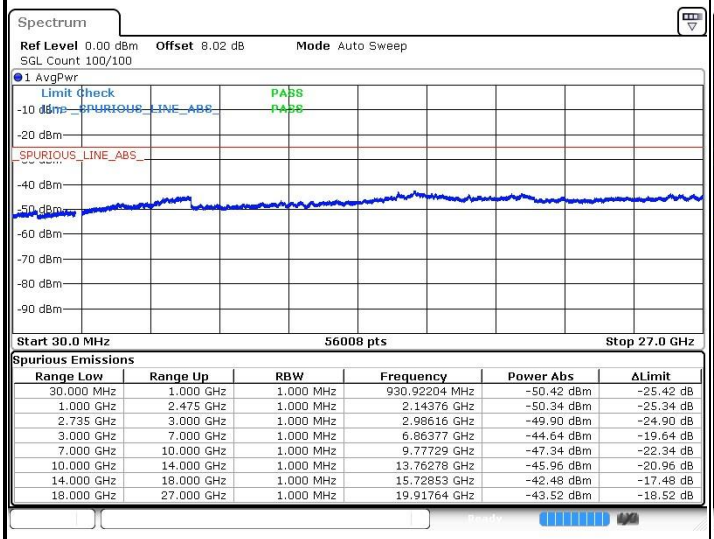
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-50.31 dBm	-25.31 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14487 GHz	-50.27 dBm	-25.27 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98709 GHz	-49.75 dBm	-24.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84627 GHz	-44.65 dBm	-19.65 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76579 GHz	-47.11 dBm	-22.11 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.74628 GHz	-45.96 dBm	-20.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75503 GHz	-42.65 dBm	-17.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91164 GHz	-43.57 dBm	-18.57 dB

Date: 17.JAN.2019 09:58:50

N/A

LTE Band 41 / 20MHz+20MHz

Highest Channel / QPSK

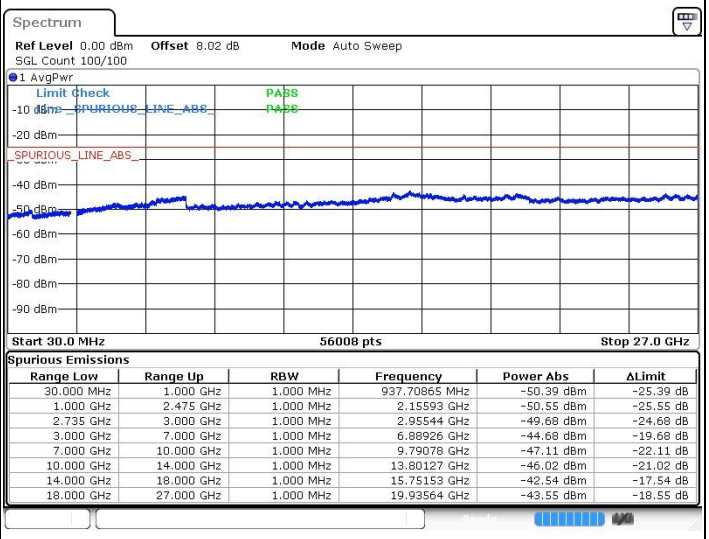


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-50.42 dBm	-25.42 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14376 GHz	-50.34 dBm	-25.34 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.98616 GHz	-49.90 dBm	-24.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-44.64 dBm	-19.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77729 GHz	-47.34 dBm	-22.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76278 GHz	-45.96 dBm	-20.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72853 GHz	-42.48 dBm	-17.48 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91764 GHz	-43.52 dBm	-18.52 dB

Date: 17.JAN.2019 09:54:40

Highest Channel / 16QAM

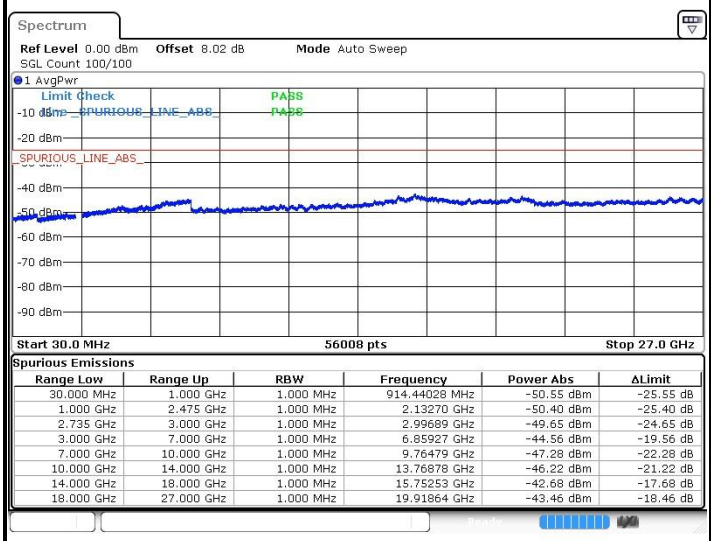


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-50.39 dBm	-25.39 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15593 GHz	-50.55 dBm	-25.55 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.95544 GHz	-49.68 dBm	-24.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88926 GHz	-44.68 dBm	-19.68 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.79078 GHz	-47.11 dBm	-22.11 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.80127 GHz	-46.02 dBm	-21.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75153 GHz	-42.54 dBm	-17.54 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.93564 GHz	-43.55 dBm	-18.55 dB

Date: 17.JAN.2019 09:53:22

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-50.55 dBm	-25.55 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13270 GHz	-50.40 dBm	-25.40 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99689 GHz	-49.65 dBm	-24.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85927 GHz	-44.56 dBm	-19.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.76479 GHz	-47.28 dBm	-22.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76878 GHz	-46.22 dBm	-21.22 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75253 GHz	-42.68 dBm	-17.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91864 GHz	-43.46 dBm	-18.46 dB

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N/A

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0102	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0088	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0096	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0060	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0088	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0075	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0067	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0063	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0078	

Note: Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4 V.

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.7 V.；Battery End Point (BEP) =3.1 V.；Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.7V.；Battery End Point (BEP) =3.1V.；Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 7 / 20MHz / QPSK								
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)
Lowest	5000	-59.77	-25	-34.77	-65.78	4.20	10.21	H
	7504	-46.63	-25	-21.63	-53.49	5.12	11.98	H
	10008	-54.63	-25	-29.63	-61.67	5.86	12.90	H
	12505	-57.61	-25	-32.61	-65.28	6.72	14.39	H
	15003	-48.86	-25	-23.86	-57.04	7.55	15.73	H
	17507	-54.79	-25	-29.79	-63.49	8.38	17.08	H
	5000	-54.57	-25	-29.57	-60.58	4.20	10.21	V
	7504	-39.06	-25	-14.06	-45.92	5.12	11.98	V
	10008	-50.78	-25	-25.78	-57.82	5.86	12.90	V
	12501	-55.40	-25	-30.40	-63.07	6.72	14.39	V
	15003	-46.95	-25	-21.95	-55.13	7.55	15.73	V
	17505	-51.50	-25	-26.50	-60.20	8.38	17.08	V
Middle	5052	-65.69	-25	-40.69	-71.70	4.20	10.21	H
	7580	-39.13	-25	-14.13	-45.99	5.12	11.98	H
	10107	-50.56	-25	-25.56	-57.60	5.86	12.90	H
	12627	-49.16	-25	-24.16	-56.83	6.72	14.39	H
	15156	-41.93	-25	-16.93	-50.11	7.55	15.73	H
	17685	-51.12	-25	-26.12	-59.82	8.38	17.08	H
	5052	-61.66	-25	-36.66	-67.67	4.20	10.21	V
	7576	-32.89	-25	-7.89	-39.75	5.12	11.98	V
	10107	-45.79	-25	-20.79	-52.83	5.86	12.90	V
	12627	-45.88	-25	-20.88	-53.55	6.72	14.39	V
	15156	-40.49	-25	-15.49	-48.67	7.55	15.73	V
	17685	-43.74	-25	-18.74	-52.44	8.38	17.08	V

Highest	5102	-66.22	-25	-41.22	-72.23	4.20	10.21	H
	7652	-37.84	-25	-12.84	-44.70	5.12	11.98	H
	10206	-51.43	-25	-26.43	-58.47	5.86	12.90	H
	12753	-49.79	-25	-24.79	-57.46	6.72	14.39	H
	15309	-40.77	-25	-15.77	-48.95	7.55	15.73	H
	17856	-51.15	-25	-26.15	-59.85	8.38	17.08	H
	5104	-63.75	-25	-38.75	-69.76	4.20	10.21	V
	7652	-30.64	-25	-5.64	-37.50	5.12	11.98	V
	10206	-45.74	-25	-20.74	-52.78	5.86	12.90	V
	12753	-46.22	-25	-21.22	-53.89	6.72	14.39	V
	15309	-38.47	-25	-13.47	-46.65	7.55	15.73	V
	17856	-42.35	-25	-17.35	-51.05	8.38	17.08	V

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

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1398	-53.62	-13	-40.62	-54.83	2.319	5.68	H
	2098	-67.88	-13	-54.88	-68.51	3.02	5.80	H
	2798	-66.86	-13	-53.86	-69.32	3.27	7.88	H
	1400	-53.38	-13	-40.38	-54.59	2.32	5.68	V
	2098	-67.73	-13	-54.73	-68.36	3.02	5.80	V
	2798	-66.96	-13	-53.96	-69.42	3.27	7.88	V
Middle	1406	-51.10	-13	-38.10	-52.31	2.319	5.68	H
	2110	-67.83	-13	-54.83	-68.46	3.02	5.80	H
	2812	-66.29	-13	-53.29	-68.75	3.27	7.88	H
	1406	-52.78	-13	-39.78	-53.99	2.32	5.68	V
	2110	-67.63	-13	-54.63	-68.26	3.02	5.80	V
	2812	-66.85	-13	-53.85	-69.31	3.27	7.88	V
Highest	1414	-50.96	-13	-37.96	-52.17	2.319	5.68	H
	2120	-68.58	-13	-55.58	-69.21	3.02	5.80	H
	2826	-66.74	-13	-53.74	-69.20	3.27	7.88	H
	1414	-53.09	-13	-40.09	-54.30	2.32	5.68	V
	2120	-67.36	-13	-54.36	-67.99	3.02	5.80	V
	2826	-66.81	-13	-53.81	-69.27	3.27	7.88	V

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

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1554	-65.28	-13	-52.28	-66.99	2.23	6.09	H
	2332	-66.96	-13	-53.96	-67.49	2.83	5.51	H
	3108	-66.12	-13	-53.12	-68.06	3.21	7.30	H
	1554	-64.50	-13	-51.50	-66.21	2.23	6.09	V
	2332	-66.57	-13	-53.57	-67.1	2.83	5.51	V
	3108	-65.53	-13	-52.53	-67.47	3.21	7.30	V
Middle	1560	-62.05	-40	-22.05	-65.91	2.23	6.09	H
	2340	-64.38	-13	-51.38	-64.91	2.83	5.51	H
	3120	-66.27	-13	-53.27	-68.21	3.21	7.30	H
	1560	-60.66	-40	-20.66	-64.52	2.23	6.09	V
	2340	-65.62	-13	-52.62	-66.15	2.83	5.51	V
	3120	-66.03	-13	-53.03	-67.97	3.21	7.30	V
Highest	1564	-65.15	-40	-25.15	-69.01	2.23	6.09	H
	2346	-66.45	-13	-53.45	-66.98	2.83	5.51	H
	3129	-66.85	-13	-53.85	-68.79	3.21	7.30	H
	1564	-63.15	-40	-23.15	-67.01	2.23	6.09	V
	2346	-66.44	-13	-53.44	-66.97	2.83	5.51	V
	3129	-66.85	-13	-53.85	-68.79	3.21	7.30	V

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

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1554	-64.68	-13	-51.68	-66.39	2.23	6.09	H
	2332	-66.45	-13	-53.45	-66.98	2.83	5.51	H
	3111	-65.76	-13	-52.76	-67.7	3.21	7.30	H
	1556	-62.65	-13	-49.65	-64.36	2.23	6.09	V
	2332	-66.54	-13	-53.54	-67.07	2.83	5.51	V
	3111	-65.48	-13	-52.48	-67.42	3.21	7.30	V

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

LTE Band 25 / 20MHz / QPSK								
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)
Lowest	3702	-61.48	-13	-48.48	-66.35	3.55	8.42	H
	5553	-59.25	-13	-46.25	-65.59	4.34	10.68	H
	7404	-48.97	-13	-35.97	-55.77	5.14	11.94	H
	9252	-46.14	-13	-33.14	-53.15	5.69	12.70	H
	11100	-38.35	-13	-25.35	-45.17	6.37	13.18	H
	12960	-34.02	-13	-21.02	-40.90	6.98	13.86	H
	14808	-43.50	-13	-30.50	-49.95	7.49	13.94	H
	16656	-45.39	-13	-32.39	-50.38	7.93	12.92	H
	3702	-60.41	-13	-47.41	-65.28	3.55	8.42	V
	5553	-57.15	-13	-44.15	-63.49	4.34	10.68	V
	7404	-44.74	-13	-31.74	-51.54	5.14	11.94	V
	9252	-42.21	-13	-29.21	-49.22	5.69	12.70	V
	11100	-32.04	-13	-19.04	-38.86	6.37	13.18	V
	12960	-29.83	-13	-16.83	-36.71	6.98	13.86	V
	14808	-36.36	-13	-23.36	-42.81	7.49	13.94	V
	16656	-43.77	-13	-30.77	-48.76	7.93	12.92	V