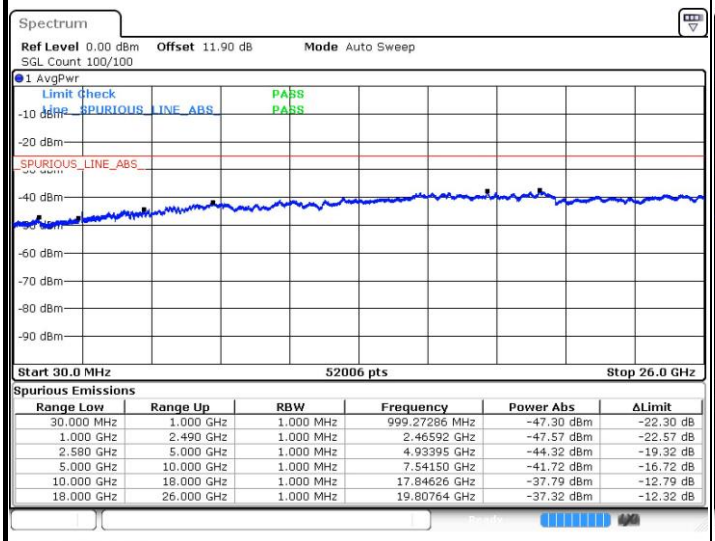
LTE Band7 / 15MHz

Highest Channel / QPSK

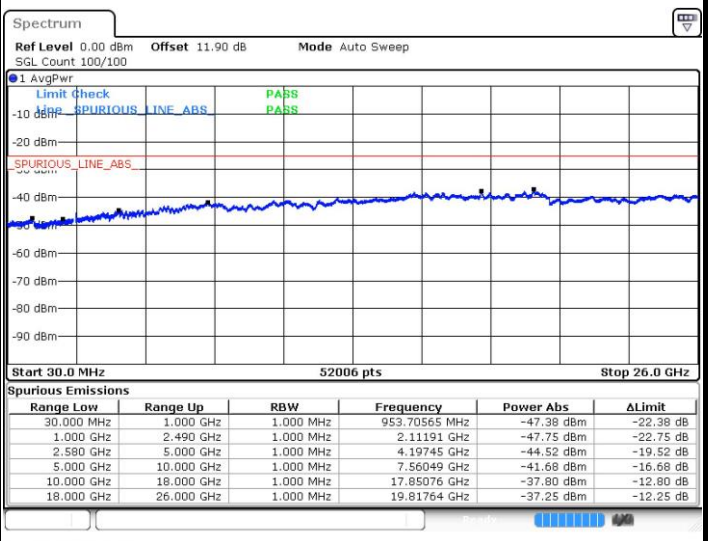


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-47.30 dBm	-22.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46592 GHz	-47.57 dBm	-22.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93395 GHz	-44.32 dBm	-19.32 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54150 GHz	-41.72 dBm	-16.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84626 GHz	-37.79 dBm	-12.79 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80764 GHz	-37.32 dBm	-12.32 dB

Date: 3.MAY.2018 23:57:20

Highest Channel / 16QAM



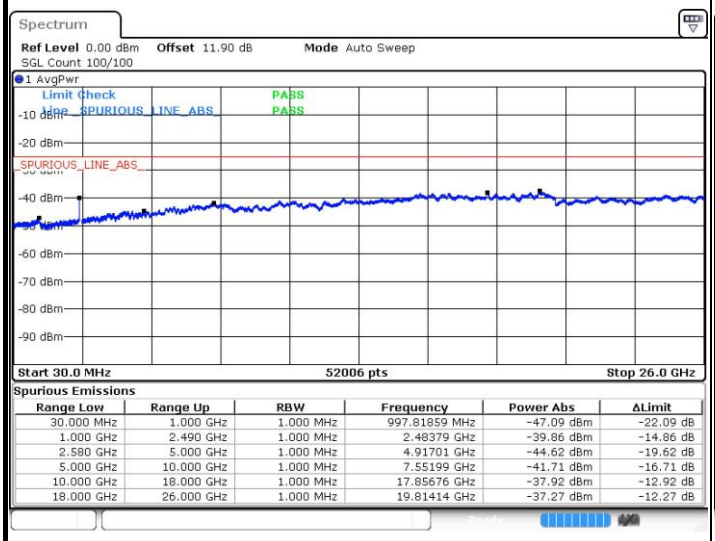
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-47.38 dBm	-22.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11191 GHz	-47.75 dBm	-22.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19745 GHz	-44.52 dBm	-19.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.56049 GHz	-41.68 dBm	-16.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85076 GHz	-37.80 dBm	-12.80 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81764 GHz	-37.25 dBm	-12.25 dB

Date: 3.MAY.2018 23:58:13

LTE Band 7 / 20MHz

Lowest Channel / QPSK

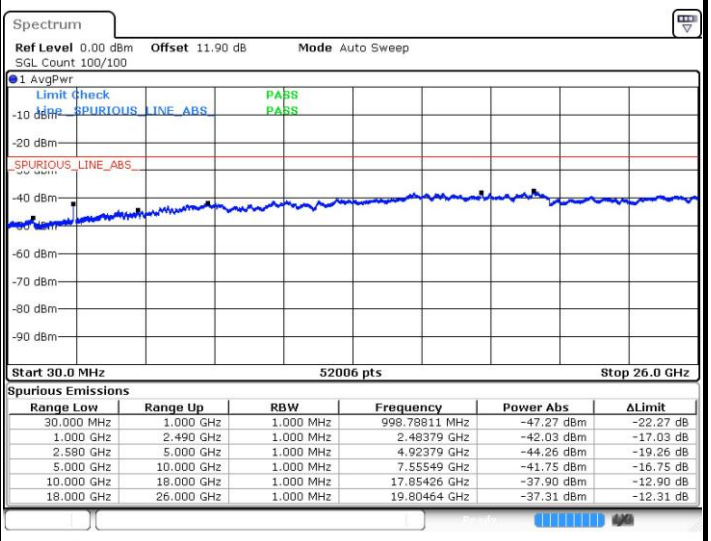


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.09 dBm	-22.09 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-39.86 dBm	-14.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91701 GHz	-44.62 dBm	-19.62 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55199 GHz	-41.71 dBm	-16.71 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85676 GHz	-37.92 dBm	-12.92 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81414 GHz	-37.27 dBm	-12.27 dB

Date: 4.MAY.2018 00:04:27

Lowest Channel / 16QAM



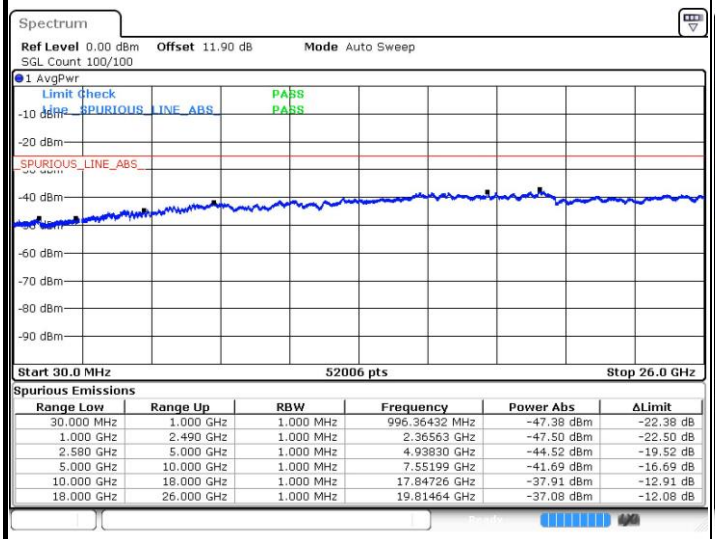
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.27 dBm	-22.27 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-42.03 dBm	-17.03 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92379 GHz	-44.26 dBm	-19.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55549 GHz	-41.75 dBm	-16.75 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85426 GHz	-37.90 dBm	-12.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80464 GHz	-37.31 dBm	-12.31 dB

Date: 4.MAY.2018 00:05:21

LTE Band 7 / 20MHz

Middle Channel / QPSK

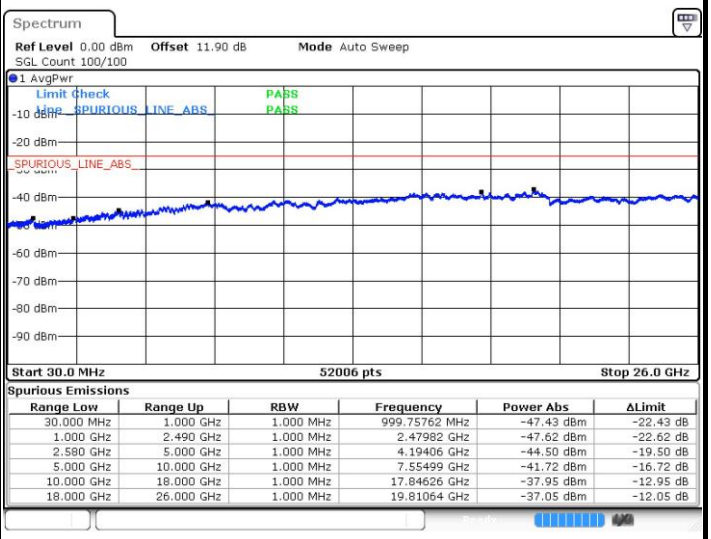


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-47.38 dBm	-22.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.36563 GHz	-47.50 dBm	-22.50 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93830 GHz	-44.52 dBm	-19.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55199 GHz	-41.69 dBm	-16.69 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-37.91 dBm	-12.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.08 dBm	-12.08 dB

Date: 4.MAY.2018 00:06:55

Middle Channel / 16QAM

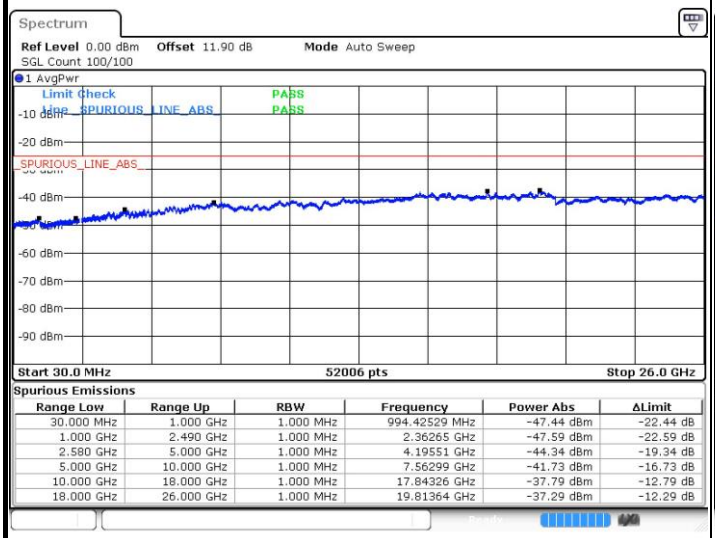


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-47.43 dBm	-22.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47982 GHz	-47.62 dBm	-22.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19406 GHz	-44.50 dBm	-19.50 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55499 GHz	-41.72 dBm	-16.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84626 GHz	-37.95 dBm	-12.95 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81064 GHz	-37.05 dBm	-12.05 dB

Date: 4.MAY.2018 00:07:49

Highest Channel / QPSK

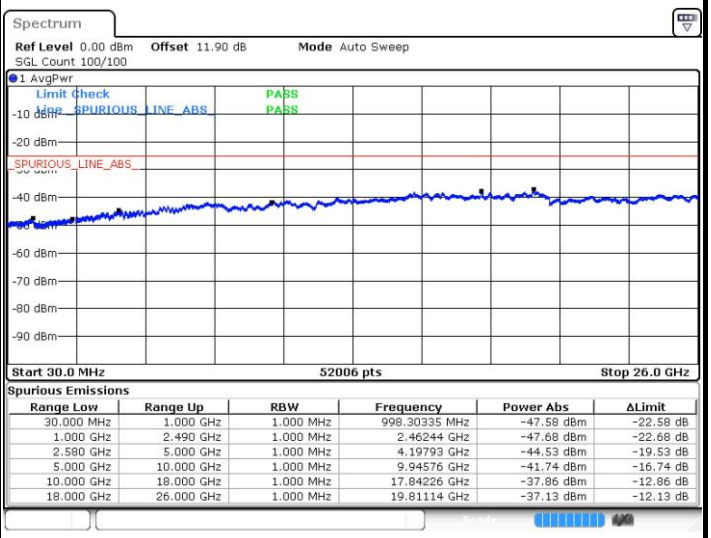


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.44 dBm	-22.44 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.36265 GHz	-47.59 dBm	-22.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19551 GHz	-44.34 dBm	-19.34 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.56299 GHz	-41.73 dBm	-16.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84326 GHz	-37.79 dBm	-12.79 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81364 GHz	-37.29 dBm	-12.29 dB

Date: 4.MAY.2018 00:14:03

Highest Channel / 16QAM



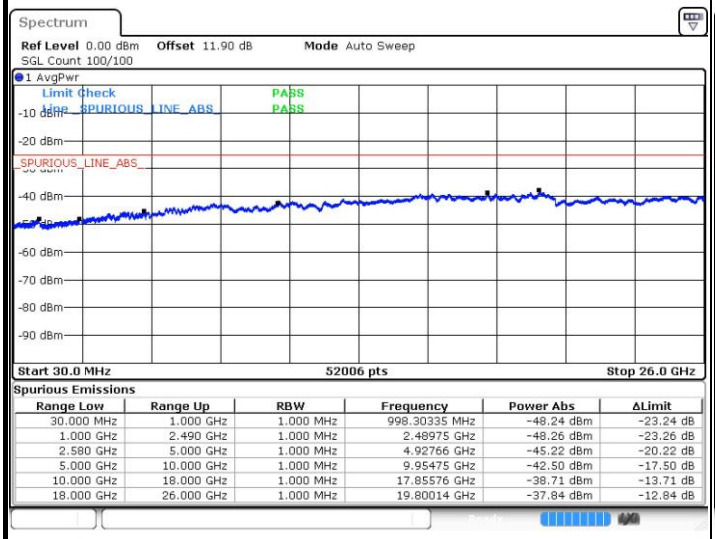
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-47.58 dBm	-22.58 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46244 GHz	-47.68 dBm	-22.68 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19793 GHz	-44.53 dBm	-19.53 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94576 GHz	-41.74 dBm	-16.74 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84226 GHz	-37.86 dBm	-12.86 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81114 GHz	-37.13 dBm	-12.13 dB

Date: 4.MAY.2018 00:14:56

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

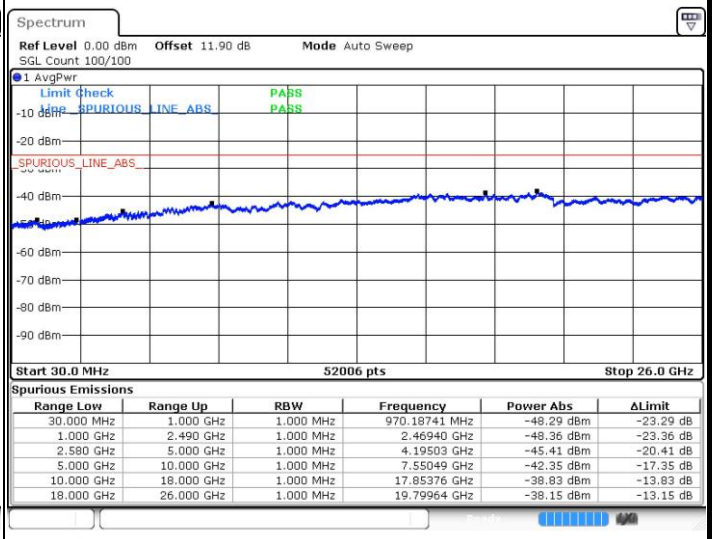


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-48.24 dBm	-23.24 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-48.26 dBm	-23.26 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92766 GHz	-45.22 dBm	-20.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95475 GHz	-42.50 dBm	-17.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85576 GHz	-38.71 dBm	-13.71 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80014 GHz	-37.84 dBm	-12.84 dB

Date: 4.MAY.2018 14:11:12

Middle Channel / 64QAM

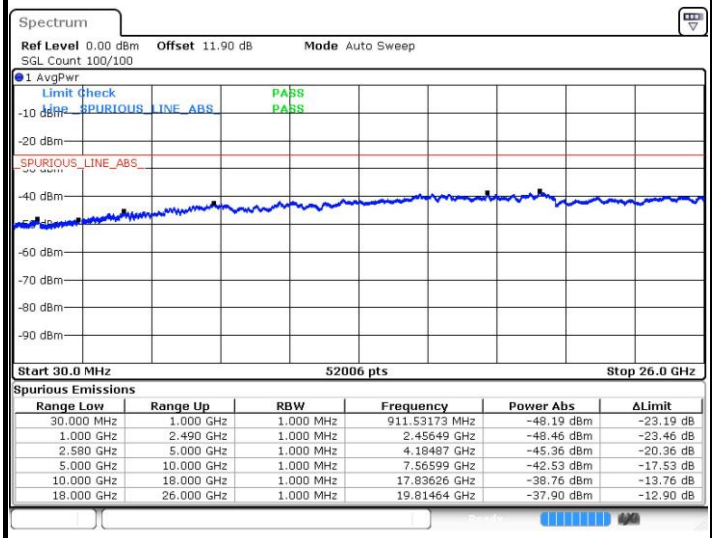


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.18741 MHz	-48.29 dBm	-23.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46940 GHz	-48.36 dBm	-23.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19503 GHz	-45.41 dBm	-20.41 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55049 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85376 GHz	-38.83 dBm	-13.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79964 GHz	-38.15 dBm	-13.15 dB

Date: 4.MAY.2018 14:12:27

Highest Channel / 64QAM



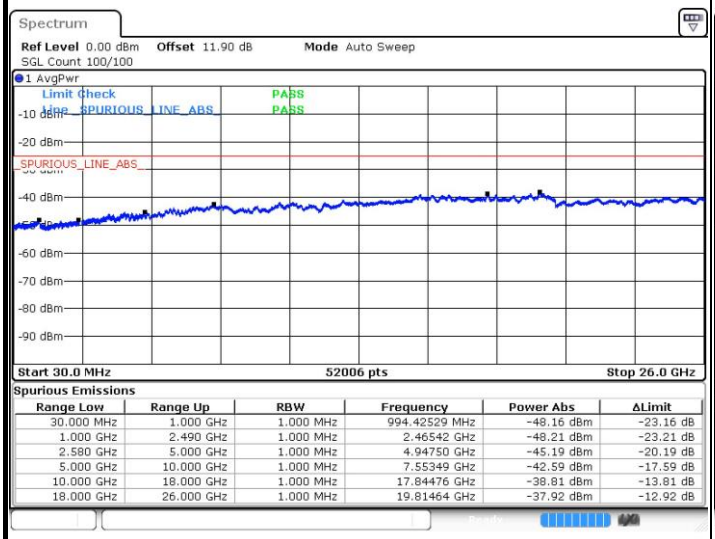
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.53173 MHz	-48.19 dBm	-23.19 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45649 GHz	-48.46 dBm	-23.46 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18487 GHz	-45.36 dBm	-20.36 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.56599 GHz	-42.53 dBm	-17.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83626 GHz	-38.76 dBm	-13.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.90 dBm	-12.90 dB

Date: 4.MAY.2018 14:16:02

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

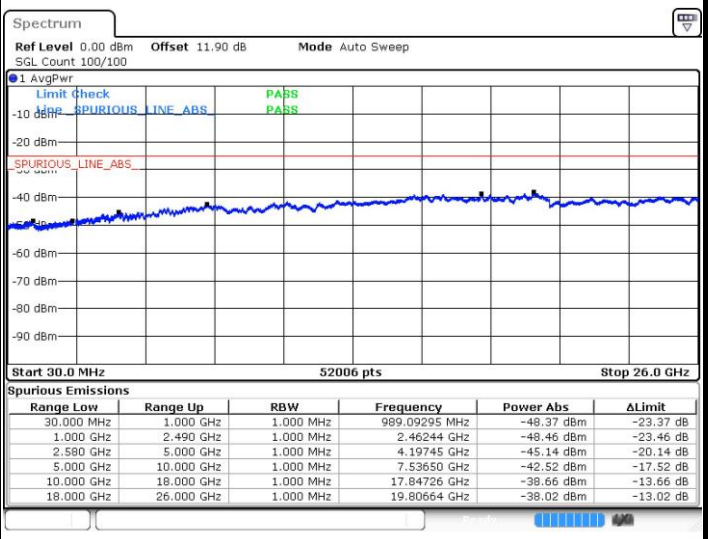


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-48.16 dBm	-23.16 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46542 GHz	-48.21 dBm	-23.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94750 GHz	-45.19 dBm	-20.19 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55349 GHz	-42.59 dBm	-17.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84476 GHz	-38.81 dBm	-13.81 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.92 dBm	-12.92 dB

Date: 4.MAY.2018 14:19:36

Middle Channel / 64QAM

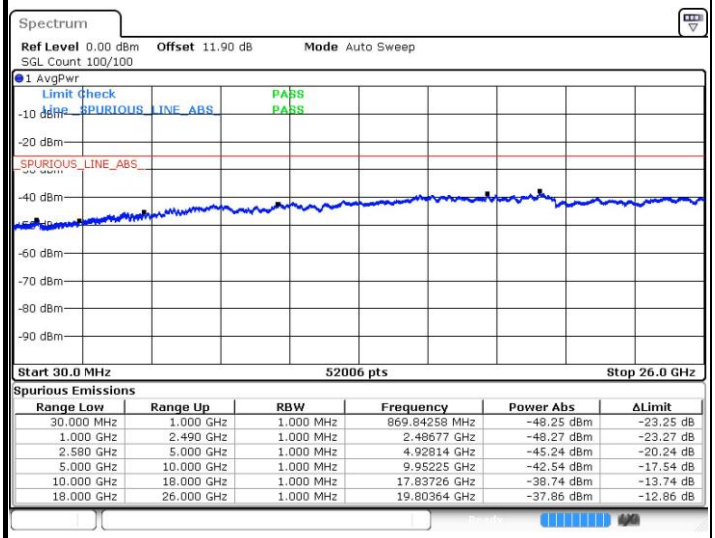


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-48.37 dBm	-23.37 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46244 GHz	-48.46 dBm	-23.46 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19745 GHz	-45.14 dBm	-20.14 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.53650 GHz	-42.52 dBm	-17.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.66 dBm	-13.66 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80664 GHz	-38.02 dBm	-13.02 dB

Date: 4.MAY.2018 14:20:51

Highest Channel / 64QAM



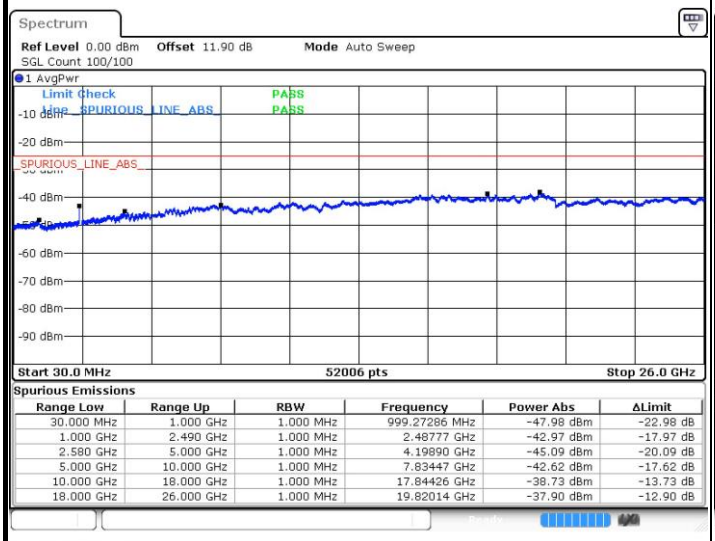
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.84258 MHz	-48.25 dBm	-23.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48677 GHz	-48.27 dBm	-23.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92814 GHz	-45.24 dBm	-20.24 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95225 GHz	-42.54 dBm	-17.54 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83726 GHz	-38.74 dBm	-13.74 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80364 GHz	-37.86 dBm	-12.86 dB

Date: 4.MAY.2018 14:24:26

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

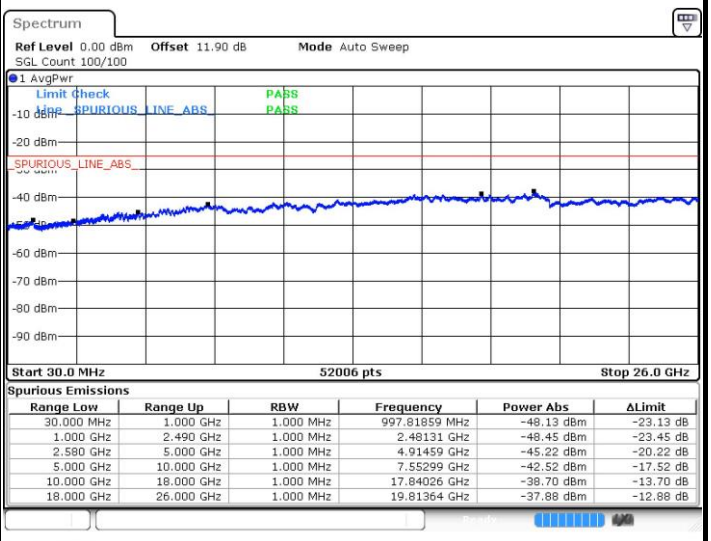


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-47.98 dBm	-22.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-42.97 dBm	-17.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19890 GHz	-45.09 dBm	-20.09 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.83447 GHz	-42.62 dBm	-17.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84426 GHz	-38.73 dBm	-13.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82014 GHz	-37.90 dBm	-12.90 dB

Date: 4.MAY.2018 14:28:00

Middle Channel / 64QAM

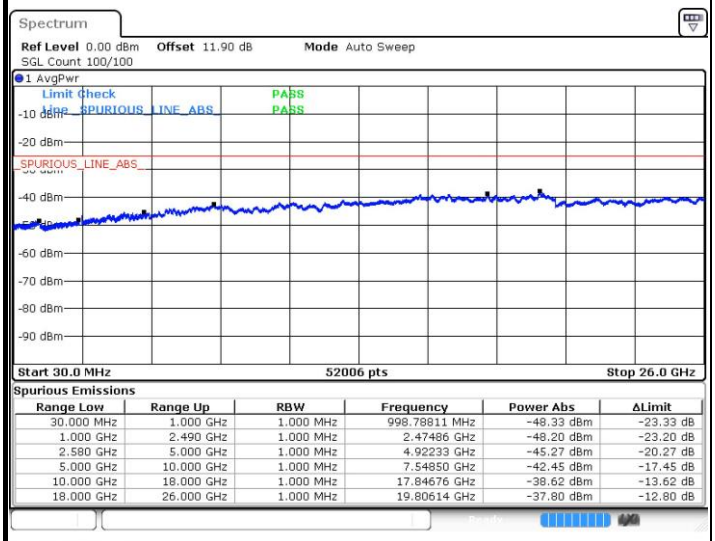


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-48.13 dBm	-23.13 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48131 GHz	-48.45 dBm	-23.45 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91459 GHz	-45.22 dBm	-20.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55299 GHz	-42.52 dBm	-17.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84026 GHz	-38.70 dBm	-13.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81364 GHz	-37.88 dBm	-12.88 dB

Date: 4.MAY.2018 14:29:14

Highest Channel / 64QAM



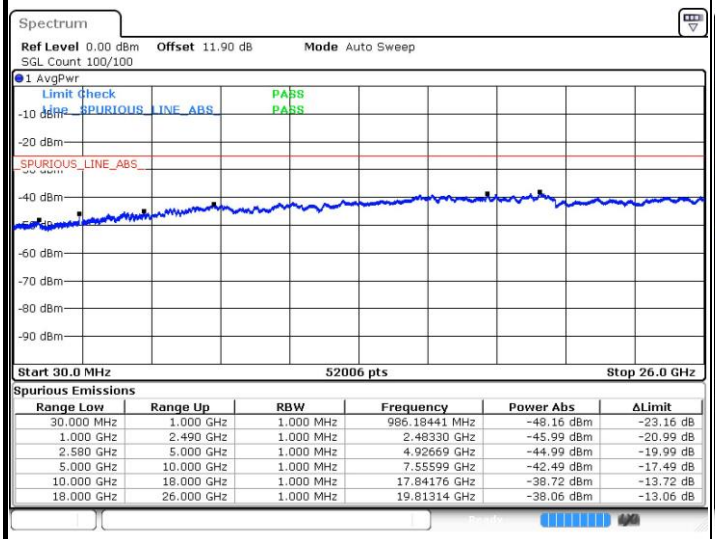
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-48.33 dBm	-23.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47486 GHz	-48.20 dBm	-23.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92233 GHz	-45.27 dBm	-20.27 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54850 GHz	-42.45 dBm	-17.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84676 GHz	-38.62 dBm	-13.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80614 GHz	-37.80 dBm	-12.80 dB

Date: 4.MAY.2018 14:32:48

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

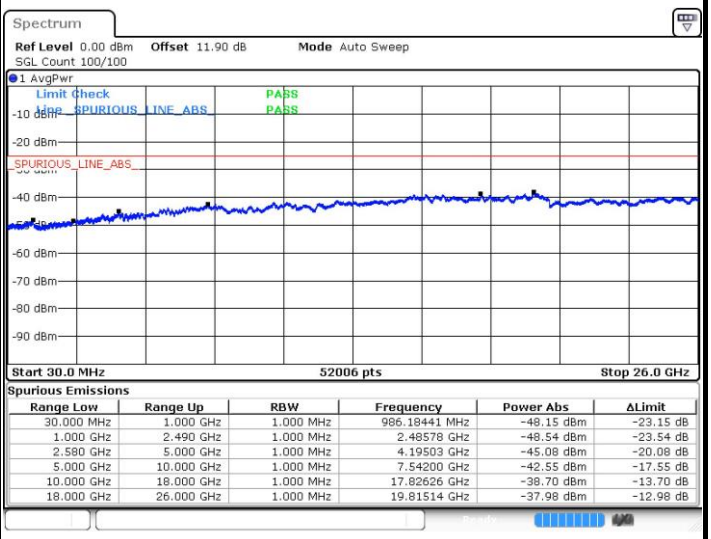


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-48.16 dBm	-23.16 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-45.99 dBm	-20.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92669 GHz	-44.99 dBm	-19.99 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55599 GHz	-42.49 dBm	-17.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84176 GHz	-38.72 dBm	-13.72 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81314 GHz	-38.06 dBm	-13.06 dB

Date: 4.MAY.2018 14:36:21

Middle Channel / 64QAM

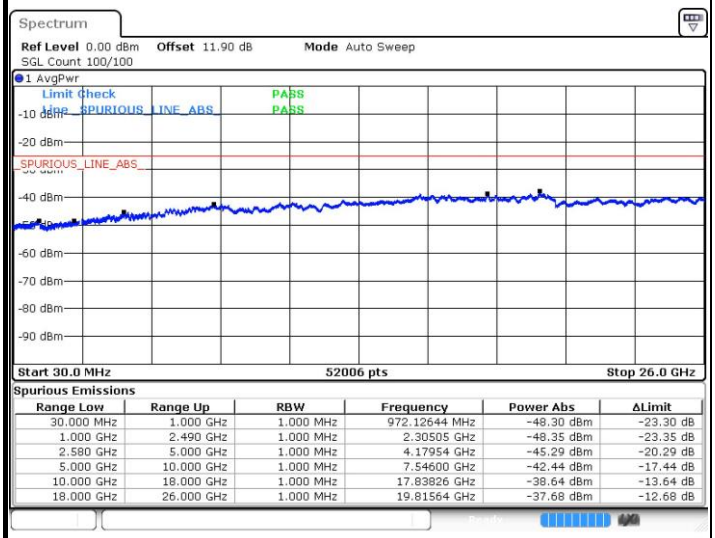


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-48.15 dBm	-23.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-48.54 dBm	-23.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19503 GHz	-45.08 dBm	-20.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54200 GHz	-42.55 dBm	-17.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82626 GHz	-38.70 dBm	-13.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81514 GHz	-37.98 dBm	-12.98 dB

Date: 4.MAY.2018 14:37:35

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-48.30 dBm	-23.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30505 GHz	-48.35 dBm	-23.35 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.17954 GHz	-45.29 dBm	-20.29 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54600 GHz	-42.44 dBm	-17.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83826 GHz	-38.64 dBm	-13.64 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81564 GHz	-37.68 dBm	-12.68 dB

Date: 4.MAY.2018 14:41:09

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	0.0017	PASS
40	Normal Voltage	0.0070	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0060	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.4 V.

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

Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.29	0.2133	22.79	0.1901
Middle		3	1	23.49	0.2234	22.99	0.1991
Highest		3	1	23.36	0.2168	22.86	0.1932
Lowest	16QAM	1	3	22.39	0.1734	21.89	0.1545
Middle		1	3	22.69	0.1858	22.19	0.1656
Highest		1	3	22.40	0.1738	21.90	0.1549
Lowest	64QAM	1	3	21.49	0.1409	20.99	0.1256
Middle		1	3	21.64	0.1459	21.14	0.1300
Highest		1	3	21.53	0.1422	21.03	0.1268
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.31	0.2143	22.81	0.1910
Middle		1	0	23.45	0.2213	22.95	0.1972
Highest		1	0	23.34	0.2158	22.84	0.1923
Lowest	16QAM	1	8	22.44	0.1754	21.94	0.1563
Middle		1	8	22.76	0.1888	22.26	0.1683
Highest		1	8	22.52	0.1786	22.02	0.1592
Lowest	64QAM	1	0	21.47	0.1403	20.97	0.1250
Middle		1	0	21.64	0.1459	21.14	0.1300
Highest		1	0	21.53	0.1422	21.03	0.1268
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.42	0.2198	22.92	0.1959
Middle		1	0	23.50	0.2239	23.00	0.1995
Highest		1	0	23.39	0.2183	22.89	0.1945
Lowest	16QAM	1	0	22.56	0.1803	22.06	0.1607
Middle		1	0	22.78	0.1897	22.28	0.1690
Highest		1	0	22.67	0.1849	22.17	0.1648
Lowest	64QAM	1	0	21.64	0.1459	21.14	0.1300
Middle		1	0	21.70	0.1479	21.20	0.1318
Highest		1	0	21.60	0.1445	21.10	0.1288
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.51	0.2244	23.01	0.2000
Middle		1	0	23.58	0.2280	23.08	0.2032
Highest		1	0	23.48	0.2228	22.98	0.1986
Lowest	16QAM	1	0	22.63	0.1832	22.13	0.1633
Middle		1	0	22.87	0.1936	22.37	0.1726
Highest		1	0	22.70	0.1862	22.20	0.1660
Lowest	64QAM	1	0	21.64	0.1459	21.14	0.1300
Middle		1	0	21.75	0.1496	21.25	0.1334
Highest		1	0	21.65	0.1462	21.15	0.1303
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.50	0.2239	23.00	0.1995
Middle		1	0	23.59	0.2286	23.09	0.2037
Highest		1	0	23.49	0.2234	22.99	0.1991
Lowest	16QAM	1	0	22.70	0.1862	22.20	0.1660
Middle		1	0	22.97	0.1982	22.47	0.1766
Highest		1	0	22.78	0.1897	22.28	0.1690
Lowest	64QAM	1	0	21.74	0.1493	21.24	0.1330
Middle		1	0	21.88	0.1542	21.38	0.1374
Highest		1	0	21.74	0.1493	21.24	0.1330
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.45	0.2213	22.95	0.1972
Middle		1	0	23.60	0.2291	23.10	0.2042
Highest		1	0	23.43	0.2203	22.93	0.1963
Lowest	16QAM	1	0	22.58	0.1811	22.08	0.1614
Middle		1	0	22.92	0.1959	22.42	0.1746
Highest		1	0	22.66	0.1845	22.16	0.1644
Lowest	64QAM	1	0	21.66	0.1466	21.16	0.1306
Middle		1	0	21.80	0.1514	21.30	0.1349
Highest		1	0	21.70	0.1479	21.20	0.1318
Limit	EIRP < 2W			Result		PASS	

LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.35	0.2163	18.30	0.0676
Middle		3	1	23.25	0.2113	18.20	0.0661
Highest		3	1	23.23	0.2104	18.18	0.0658
Lowest	16QAM	1	3	22.52	0.1786	17.47	0.0558
Middle		1	3	22.46	0.1762	17.41	0.0551
Highest		1	3	22.33	0.1710	17.28	0.0535
Lowest	64QAM	1	0	21.45	0.1396	16.40	0.0437
Middle		1	0	21.29	0.1346	16.24	0.0421
Highest		1	0	21.35	0.1365	16.30	0.0427
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.28	0.2128	18.23	0.0665
Middle		1	8	23.19	0.2084	18.14	0.0652
Highest		1	8	23.21	0.2094	18.16	0.0655
Lowest	16QAM	1	8	22.59	0.1816	17.54	0.0568
Middle		1	8	22.51	0.1782	17.46	0.0557
Highest		1	8	22.40	0.1738	17.35	0.0543
Lowest	64QAM	1	0	21.51	0.1416	16.46	0.0443
Middle		1	0	21.39	0.1377	16.34	0.0431
Highest		1	0	21.37	0.1371	16.32	0.0429
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.30	0.2138	18.25	0.0668
Middle		1	0	23.23	0.2104	18.18	0.0658
Highest		1	0	23.29	0.2133	18.24	0.0667
Lowest	16QAM	1	0	22.53	0.1791	17.48	0.0560
Middle		1	0	22.58	0.1811	17.53	0.0566
Highest		1	0	22.48	0.1770	17.43	0.0553
Lowest	64QAM	1	0	21.55	0.1429	16.50	0.0447
Middle		1	0	21.43	0.1390	16.38	0.0435
Highest		1	0	21.46	0.1400	16.41	0.0438
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.36	0.2168	18.31	0.0678
Middle		1	0	23.26	0.2118	18.21	0.0662
Highest		1	0	23.13	0.2056	18.08	0.0643
Lowest	16QAM	1	0	22.55	0.1799	17.50	0.0562
Middle		1	0	22.60	0.1820	17.55	0.0569
Highest		1	0	22.46	0.1762	17.41	0.0551
Lowest	64QAM	1	0	21.55	0.1429	16.50	0.0447
Middle		1	0	21.52	0.1419	16.47	0.0444
Highest		1	0	21.40	0.1380	16.35	0.0432
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average) (GT - LC = -0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.74	0.2366	23.14	0.2061
Middle		1	12	23.63	0.2307	23.03	0.2009
Highest		1	12	23.60	0.2291	23.00	0.1995
Lowest	16QAM	1	12	23.05	0.2018	22.45	0.1758
Middle		1	12	22.96	0.1977	22.36	0.1722
Highest		1	12	22.92	0.1959	22.32	0.1706
Lowest	64QAM	1	12	21.90	0.1549	21.30	0.1349
Middle		1	12	21.79	0.1510	21.19	0.1315
Highest		1	12	21.78	0.1507	21.18	0.1312
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.71	0.2350	23.11	0.2046
Middle		1	25	23.66	0.2323	23.06	0.2023
Highest		1	25	23.65	0.2317	23.05	0.2018
Lowest	16QAM	1	25	23.04	0.2014	22.44	0.1754
Middle		1	25	22.96	0.1977	22.36	0.1722
Highest		1	25	22.95	0.1972	22.35	0.1718
Lowest	64QAM	1	25	21.92	0.1556	21.32	0.1355
Middle		1	25	21.85	0.1531	21.25	0.1334
Highest		1	25	21.82	0.1521	21.22	0.1324
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.73	0.2360	23.13	0.2056
Middle		1	37	23.64	0.2312	23.04	0.2014
Highest		1	37	23.60	0.2291	23.00	0.1995
Lowest	16QAM	1	37	23.04	0.2014	22.44	0.1754
Middle		1	37	22.95	0.1972	22.35	0.1718
Highest		1	37	22.91	0.1954	22.31	0.1702
Lowest	64QAM	1	37	21.93	0.1560	21.33	0.1358
Middle		1	37	21.87	0.1538	21.27	0.1340
Highest		1	37	21.80	0.1514	21.20	0.1318
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average) (GT - LC = -0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.75	0.2371	23.15	0.2065
Middle		1	49	23.64	0.2312	23.04	0.2014
Highest		1	49	23.60	0.2291	23.00	0.1995
Lowest	16QAM	1	49	23.02	0.2004	22.42	0.1746
Middle		1	49	22.95	0.1972	22.35	0.1718
Highest		1	49	22.86	0.1932	22.26	0.1683
Lowest	64QAM	1	49	21.90	0.1549	21.30	0.1349
Middle		1	49	21.83	0.1524	21.23	0.1327
Highest		1	49	21.77	0.1503	21.17	0.1309
Limit	EIRP < 2W			Result		PASS	

Radiated Spurious Emission

Part 27M_LTE Band 7

LTE Band 7 / 20MHz / QPSK									
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)
Lowest	5004	-60.34	-25	-35.34	-53.91	-70.08	2.36	12.10	H
	7500	-37.91	-25	-12.91	-38.21	-45.79	2.12	10.00	H
	10008	-40.69	-25	-15.69	-43.1	-50.68	1.81	11.80	H
	12504	-56.11	-25	-31.11	-55.89	-66.86	2.55	13.30	H
	15011.5	-57.29	-25	-32.29	-62.35	-67.78	2.66	13.16	H
	17507	-54.84	-25	-29.84	-66.8	-65.15	2.33	12.64	H
									H
	5004	-54.49	-25	-29.49	-48.08	-64.23	2.36	12.10	V
	7500	-39.50	-25	-14.50	-38.96	-47.38	2.12	10.00	V
	10008	-38.96	-25	-13.96	-40.26	-48.95	1.81	11.80	V
	12504	-55.33	-25	-30.33	-54.48	-66.08	2.55	13.30	V
	15011.5	-58.81	-25	-33.81	-65.45	-69.30	2.66	13.16	V
	17507	-53.92	-25	-28.92	-67.16	-64.23	2.33	12.64	V
									V
Middle	5052	-61.13	-25	-36.13	-54.72	-70.90	2.34	12.11	H
	7584	-42.22	-25	-17.22	-42.23	-50.41	2.11	10.30	H
	10104	-39.89	-25	-14.89	-41.98	-49.77	1.96	11.84	H
	12636	-53.81	-25	-28.81	-53.88	-64.41	2.54	13.14	H
									H
	5052	-55.90	-25	-30.90	-49.48	-65.67	2.34	12.11	V
	7584	-46.48	-25	-21.48	-45.99	-54.67	2.11	10.30	V
	10104	-39.66	-25	-14.66	-40.79	-49.54	1.96	11.84	V
	12636	-54.83	-25	-29.83	-54.15	-65.43	2.54	13.14	V
									V

Highest	5100	-61.01	-25	-36.01	-54.61	-70.81	2.32	12.12	H
	7656	-41.36	-25	-16.36	-41.15	-49.81	2.11	10.56	H
	10200	-36.01	-25	-11.01	-37.84	-45.77	2.12	11.88	H
	12756	-53.08	-25	-28.08	-53.38	-63.54	2.53	12.99	H
	15310.5	-57.26	-25	-32.26	-63.13	-69.41	2.50	14.65	H
									H
									H
	5100	-56.81	-25	-31.81	-50.37	-66.61	2.32	12.12	V
	7656	-45.05	-25	-20.05	-44.42	-53.50	2.11	10.56	V
	10200	-37.83	-25	-12.83	-38.82	-47.59	2.12	11.88	V
	12756	-54.26	-25	-29.26	-53.73	-64.72	2.53	12.99	V
	15310.5	-57.98	-25	-32.98	-64.15	-70.13	2.50	14.65	V
									V
									V

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

Part 22H LTE Band 5

LTE Band 5 / 10MHz / QPSK									
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)
Lowest	1648	-62.91	-13	-49.91	-75.43	-68.30	1.23	8.76	H
	2472	-59.36	-13	-46.36	-74.69	-66.25	1.44	10.48	H
	3296	-60.14	-13	-47.14	-77.21	-68.08	1.70	11.79	H
									H
									H
									H
									H
	1648	-65.74	-13	-52.74	-75.97	-71.13	1.23	8.76	V
	2472	-61.02	-13	-48.02	-75.74	-67.91	1.44	10.48	V
	3296	-60.58	-13	-47.58	-77.2	-68.52	1.70	11.79	V
									V
									V
									V
									V
Middle	1664	-62.46	-13	-49.46	-75.22	-67.90	1.23	8.82	H
	2496	-59.48	-13	-46.48	-74.69	-66.39	1.44	10.50	H
	3328	-59.99	-13	-46.99	-76.93	-68.00	1.73	11.88	H
									H
									H
									H
									H
	1664	-65.60	-13	-52.60	-75.94	-71.04	1.23	8.82	V
	2496	-61.15	-13	-48.15	-75.85	-68.06	1.44	10.50	V
	3328	-60.53	-13	-47.53	-77.01	-68.54	1.73	11.88	V
									V
									V
									V
									V

Highest	1680	-62.81	-13	-49.81	-75.8	-68.31	1.24	8.88	H
	2520	-60.92	-13	-47.92	-76.01	-67.85	1.44	10.52	H
	3360	-60.23	-13	-47.23	-77.1	-68.30	1.76	11.98	H
									H
									H
									H
									H
	1680	-65.14	-13	-52.14	-75.59	-70.64	1.24	8.88	V
	2520	-61.74	-13	-48.74	-76.43	-68.67	1.44	10.52	V
	3360	-60.69	-13	-47.69	-77.1	-68.76	1.76	11.98	V
									V
									V
									V
									V

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

Part 24E_LTE Band 2

LTE Band 2 / 20MHz / QPSK									
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)
Lowest	3700	-57.53	-13	-44.53	-75.39	-67.84	1.97	12.28	H
	5555	-48.07	-13	-35.07	-69.35	-58.20	2.14	12.28	H
	7403	-50.16	-13	-37.16	-74.92	-58.16	2.17	10.17	H
	9258	-44.65	-13	-31.65	-75.32	-54.53	2.21	12.09	H
									H
									H
									H
	3700	-56.95	-13	-43.95	-74.21	-67.26	1.97	12.28	V
	5555	-50.09	-13	-37.09	-71.61	-60.22	2.14	12.28	V
	7403	-52.10	-13	-39.10	-75.92	-60.10	2.17	10.17	V
	9258	-46.42	-13	-33.42	-76.03	-56.30	2.21	12.09	V
									V
									V
									V
Middle	3742	-56.61	-13	-43.61	-74.32	-66.87	2.00	12.25	H
	5611	-46.60	-13	-33.60	-67.77	-56.83	2.13	12.36	H
	9356	-43.80	-13	-30.80	-74.55	-53.60	2.18	11.97	H
	11225.5	-44.36	-13	-31.36	-74.87	-53.04	2.49	11.17	H
									H
									H
									H
	3742	-56.93	-13	-43.93	-74.12	-67.19	2.00	12.25	V
	5611	-49.81	-13	-36.81	-71.17	-60.04	2.13	12.36	V
	9356	-46.77	-13	-33.77	-76.41	-56.57	2.18	11.97	V
	11225.5	-44.61	-13	-31.61	-74.8	-53.29	2.49	11.17	V
									V
									V
									V

Highest	3784	-57.74	-13	-44.74	-75.34	-67.95	2.02	12.23	H
	5674	-42.54	-13	-29.54	-63.74	-52.87	2.11	12.44	H
	9454	-44.66	-13	-31.66	-75.36	-54.37	2.14	11.86	H
									H
									H
									H
									H
	3784	-57.05	-13	-44.05	-74.19	-67.26	2.02	12.23	V
	5674	-47.06	-13	-34.06	-68.42	-57.39	2.11	12.44	V
	9454	-47.14	-13	-34.14	-76.55	-56.85	2.14	11.86	V
									V
									V
									V
									V

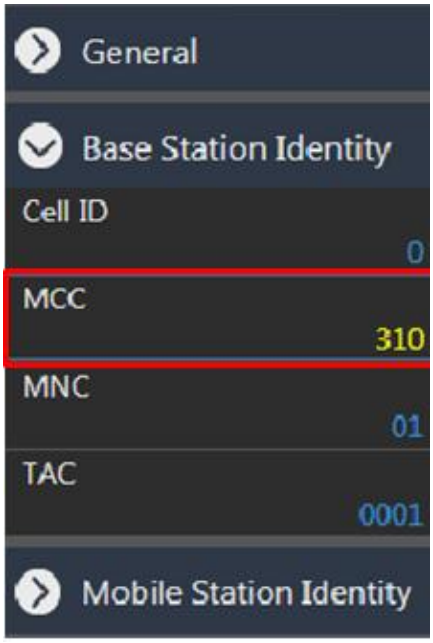
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

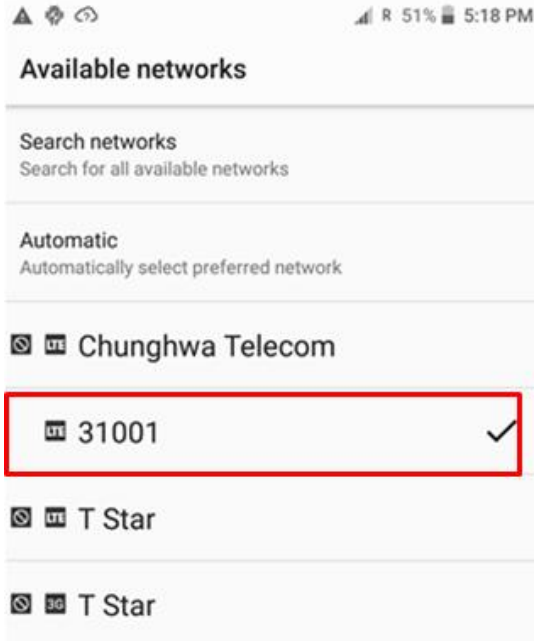
————THE END————

Verification and validation of Mobile Country Code

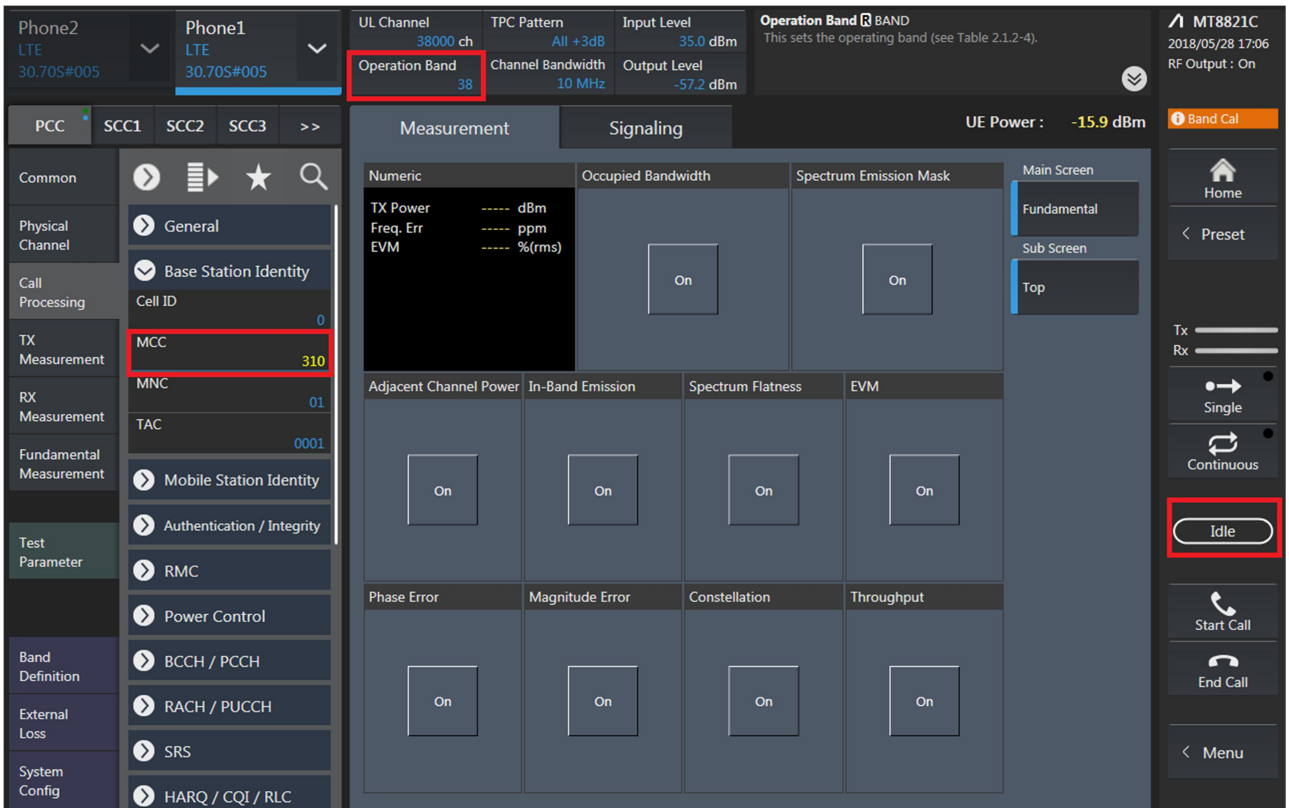
1. Base station configures US MCC, and sets B38

➢ Base station set US MCC & Sample registration information

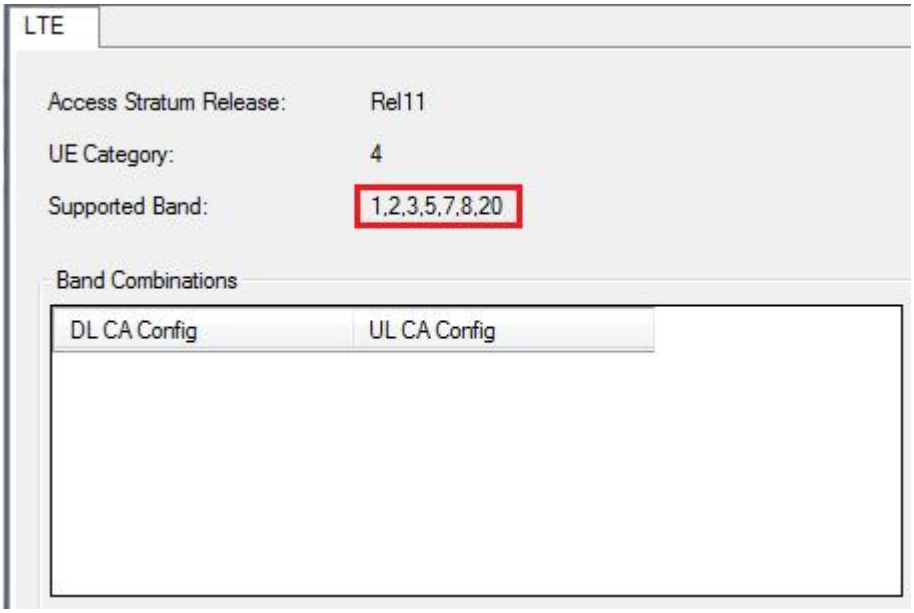




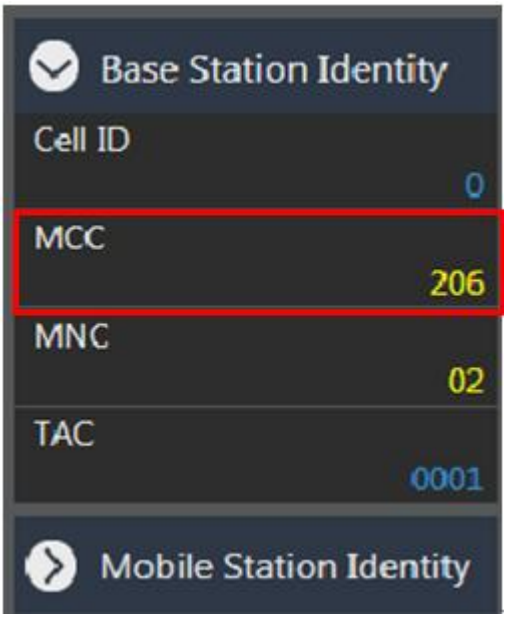
2. UE cannot register B38



3. Base station configures US MCC, and sets other bands, UE can register, and call box show UE capability does not have B38



4. Base station configures non-US MCC



Verification and validation of Mobile Country Code

UE registration on, and call box show UE capability does have B38