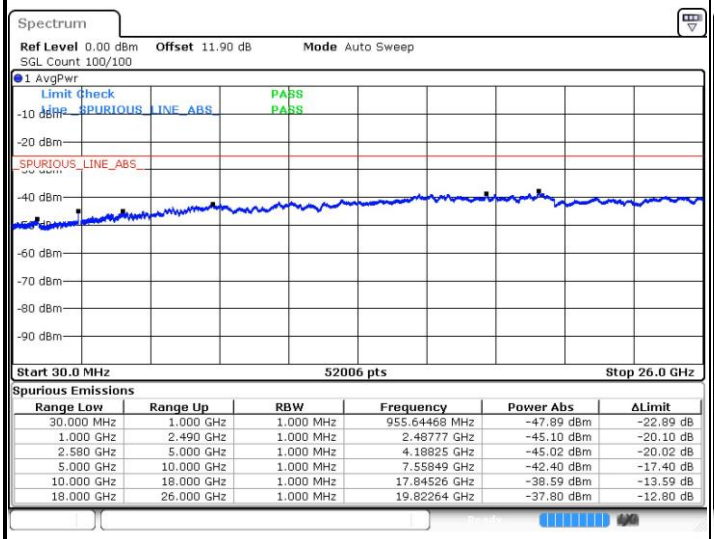
LTE Band 7 / 15MHz

Lowest Channel / QPSK

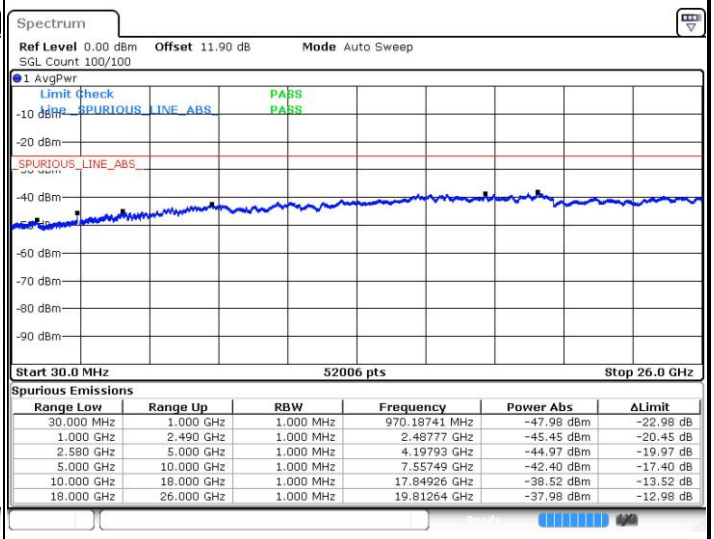


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-47.89 dBm	-22.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-45.10 dBm	-20.10 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18825 GHz	-45.02 dBm	-20.02 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55849 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84526 GHz	-38.59 dBm	-13.59 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82264 GHz	-37.80 dBm	-12.80 dB

Date: 12.JUN.2018 23:48:54

Lowest Channel / 16QAM

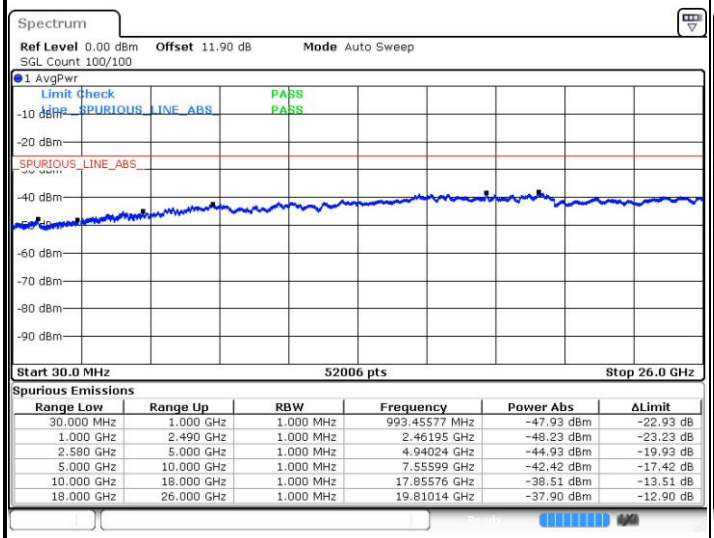


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.18741 MHz	-47.98 dBm	-22.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-45.45 dBm	-20.45 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19793 GHz	-44.97 dBm	-19.97 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55749 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84926 GHz	-38.52 dBm	-13.52 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81264 GHz	-37.98 dBm	-12.98 dB

Date: 12.JUN.2018 23:49:48

Middle Channel / QPSK

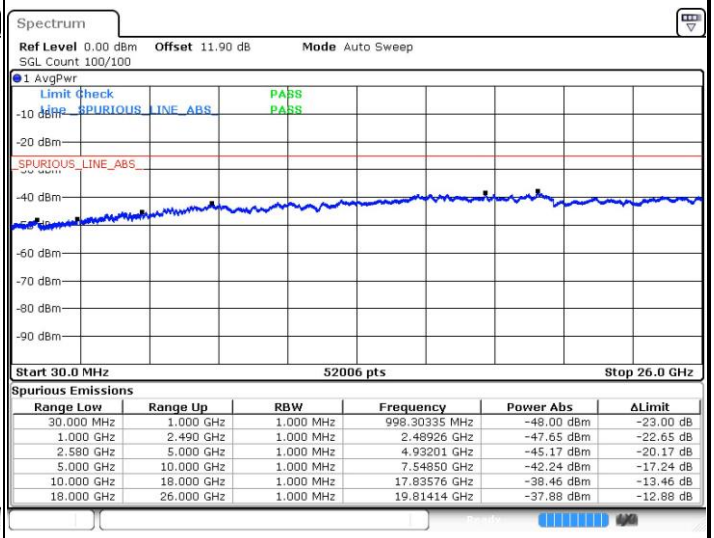


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.93 dBm	-22.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46195 GHz	-48.23 dBm	-23.23 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94024 GHz	-44.93 dBm	-19.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55599 GHz	-42.42 dBm	-17.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85576 GHz	-38.51 dBm	-13.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81014 GHz	-37.90 dBm	-12.90 dB

Date: 12.JUN.2018 23:51:24

Middle Channel / 16QAM



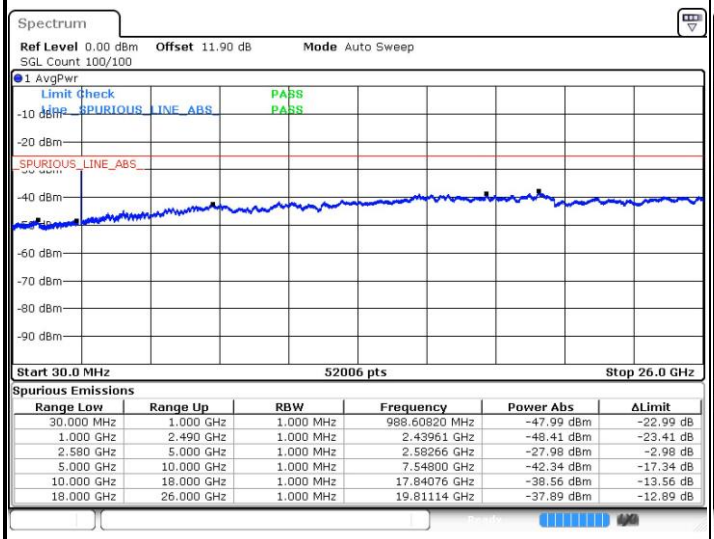
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-48.00 dBm	-23.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-47.65 dBm	-22.65 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93201 GHz	-45.17 dBm	-20.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54850 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83576 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81414 GHz	-37.88 dBm	-12.88 dB

Date: 12.JUN.2018 23:52:18

LTE Band7 / 15MHz

Highest Channel / QPSK

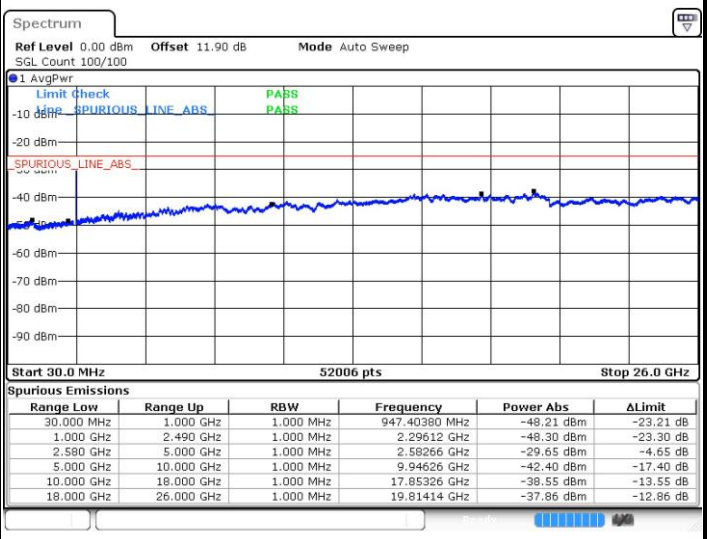


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.99 dBm	-22.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.43961 GHz	-48.41 dBm	-23.41 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-27.98 dBm	-2.98 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54800 GHz	-42.34 dBm	-17.34 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84076 GHz	-38.56 dBm	-13.56 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81114 GHz	-37.89 dBm	-12.89 dB

Date: 12.JUN.2018 23:58:33

Highest Channel / 16QAM



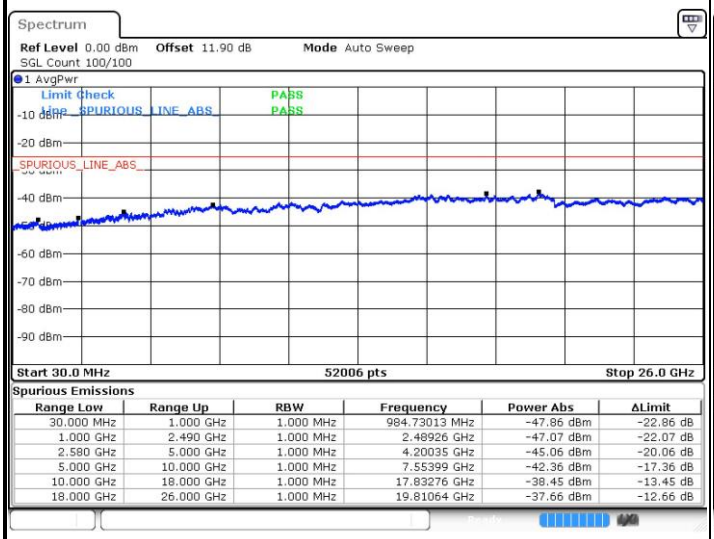
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-48.21 dBm	-23.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29612 GHz	-48.30 dBm	-23.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-29.65 dBm	-4.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94626 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85326 GHz	-38.55 dBm	-13.55 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81414 GHz	-37.86 dBm	-12.86 dB

Date: 12.JUN.2018 23:59:27

LTE Band 7 / 20MHz

Lowest Channel / QPSK

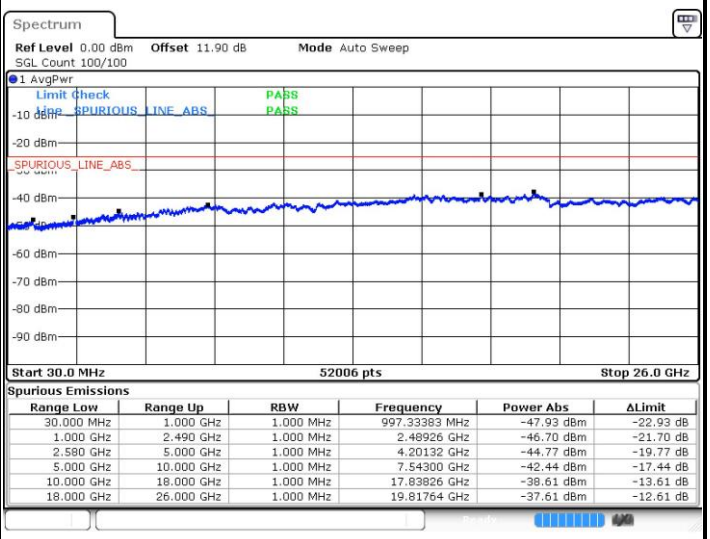


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-47.07 dBm	-22.07 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20035 GHz	-45.06 dBm	-20.06 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55399 GHz	-42.36 dBm	-17.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83276 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81064 GHz	-37.66 dBm	-12.66 dB

Date: 13.JUN.2018 00:18:02

Lowest Channel / 16QAM



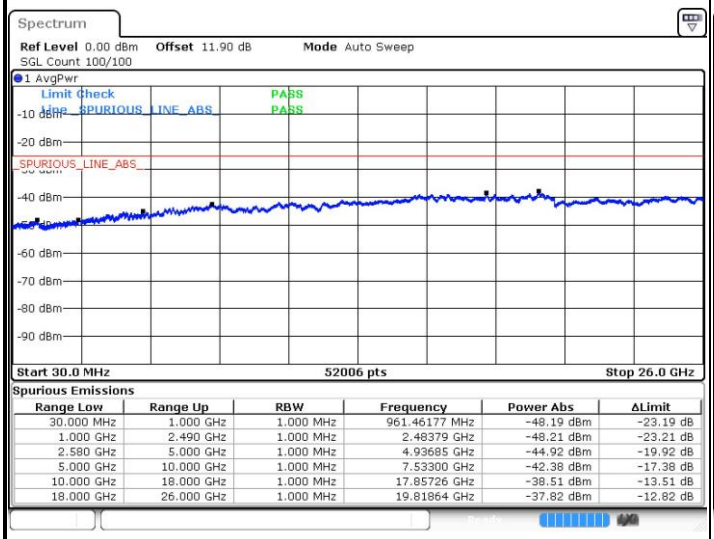
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-47.93 dBm	-22.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.70 dBm	-21.70 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20132 GHz	-44.77 dBm	-19.77 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54300 GHz	-42.44 dBm	-17.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83826 GHz	-38.61 dBm	-13.61 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81764 GHz	-37.61 dBm	-12.61 dB

Date: 13.JUN.2018 00:18:56

LTE Band 7 / 20MHz

Middle Channel / QPSK

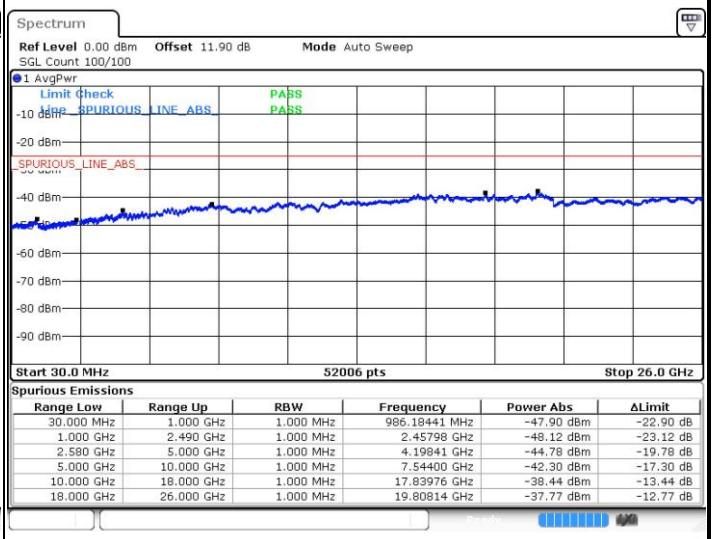


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.46177 MHz	-48.19 dBm	-23.19 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-48.21 dBm	-23.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93685 GHz	-44.92 dBm	-19.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.53300 GHz	-42.38 dBm	-17.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85726 GHz	-38.51 dBm	-13.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81864 GHz	-37.82 dBm	-12.82 dB

Date: 13.JUN.2018 00:20:32

Middle Channel / 16QAM

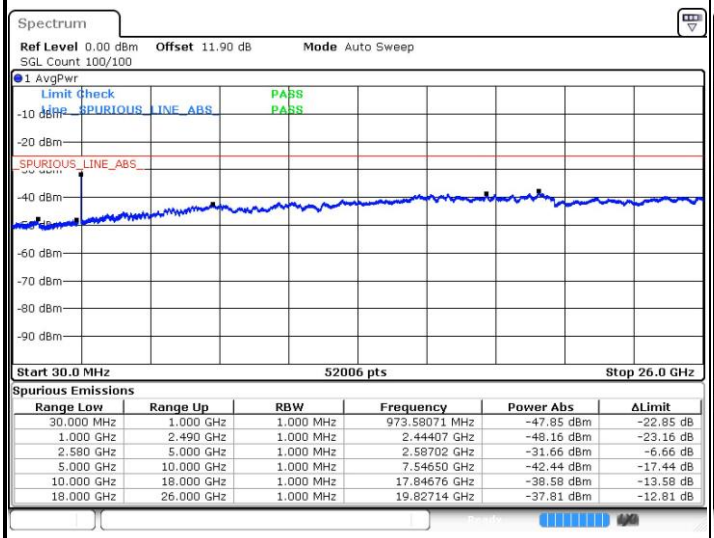


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-47.90 dBm	-22.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45798 GHz	-48.12 dBm	-23.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19841 GHz	-44.78 dBm	-19.78 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54400 GHz	-42.30 dBm	-17.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83976 GHz	-38.44 dBm	-13.44 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80814 GHz	-37.77 dBm	-12.77 dB

Date: 13.JUN.2018 00:21:25

Highest Channel / QPSK

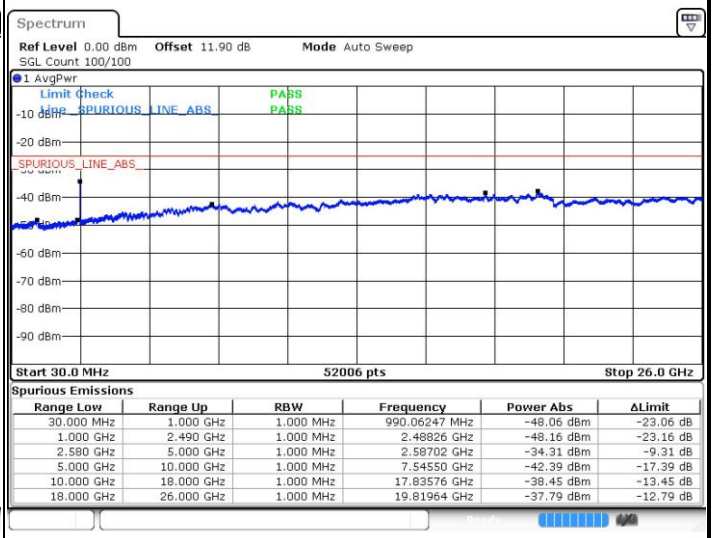


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-47.85 dBm	-22.85 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44407 GHz	-48.16 dBm	-23.16 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-31.66 dBm	-6.66 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54650 GHz	-42.44 dBm	-17.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84676 GHz	-38.58 dBm	-13.58 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82714 GHz	-37.81 dBm	-12.81 dB

Date: 13.JUN.2018 00:27:40

Highest Channel / 16QAM



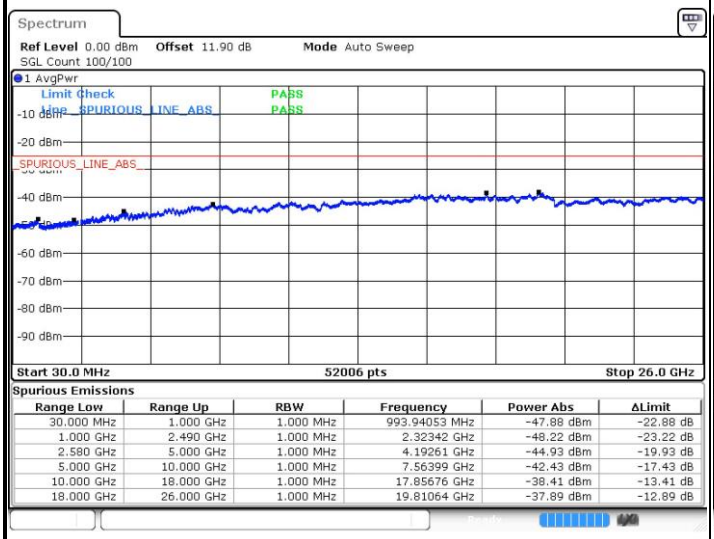
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-48.06 dBm	-23.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-48.16 dBm	-23.16 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-34.31 dBm	-9.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54550 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83576 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81964 GHz	-37.79 dBm	-12.79 dB

Date: 13.JUN.2018 00:28:34

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

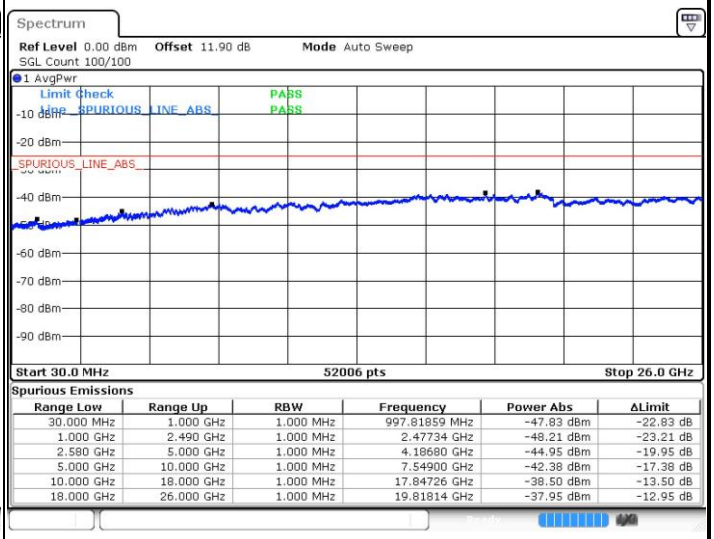


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-47.88 dBm	-22.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32342 GHz	-48.22 dBm	-23.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19261 GHz	-44.93 dBm	-19.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.56399 GHz	-42.43 dBm	-17.43 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85676 GHz	-38.41 dBm	-13.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81064 GHz	-37.89 dBm	-12.89 dB

Date: 12.JUN.2018 23:12:39

Middle Channel / 64QAM

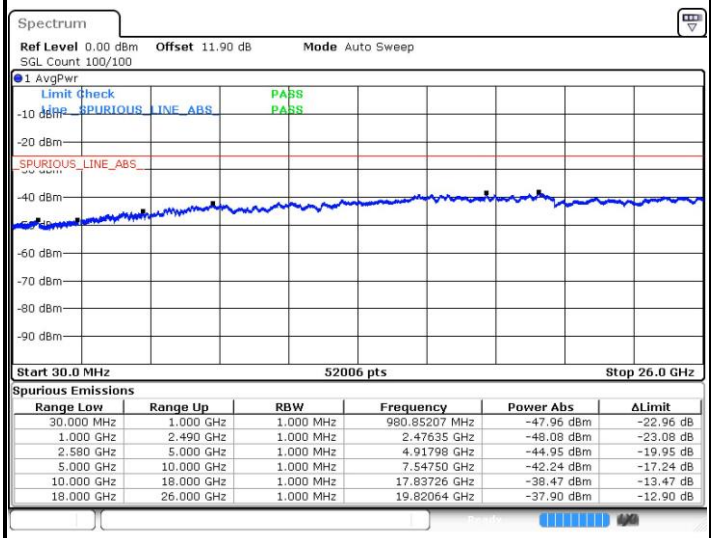


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.83 dBm	-22.83 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47734 GHz	-48.21 dBm	-23.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18680 GHz	-44.95 dBm	-19.95 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54900 GHz	-42.38 dBm	-17.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.50 dBm	-13.50 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81814 GHz	-37.95 dBm	-12.95 dB

Date: 12.JUN.2018 23:13:54

Highest Channel / 64QAM



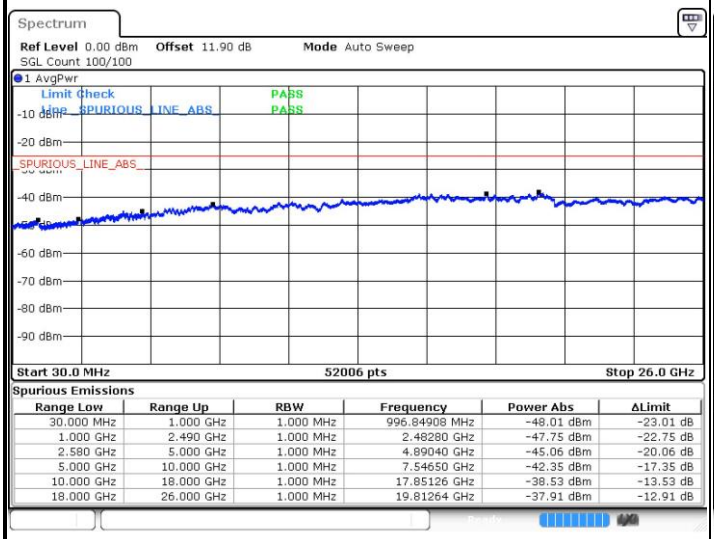
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-47.96 dBm	-22.96 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47635 GHz	-48.08 dBm	-23.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91798 GHz	-44.95 dBm	-19.95 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54750 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83726 GHz	-38.47 dBm	-13.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82064 GHz	-37.90 dBm	-12.90 dB

Date: 12.JUN.2018 23:17:28

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

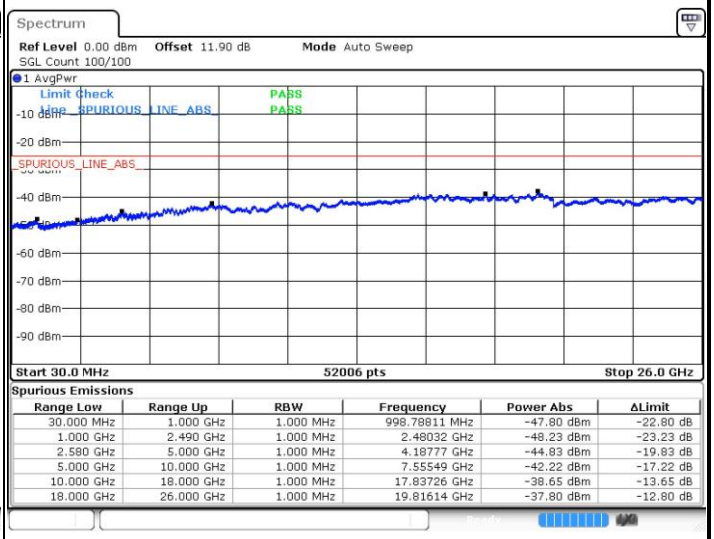


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-48.01 dBm	-23.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-47.75 dBm	-22.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.89040 GHz	-45.06 dBm	-20.06 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54650 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85126 GHz	-38.53 dBm	-13.53 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81264 GHz	-37.91 dBm	-12.91 dB

Date: 12.JUN.2018 23:37:50

Middle Channel / 64QAM

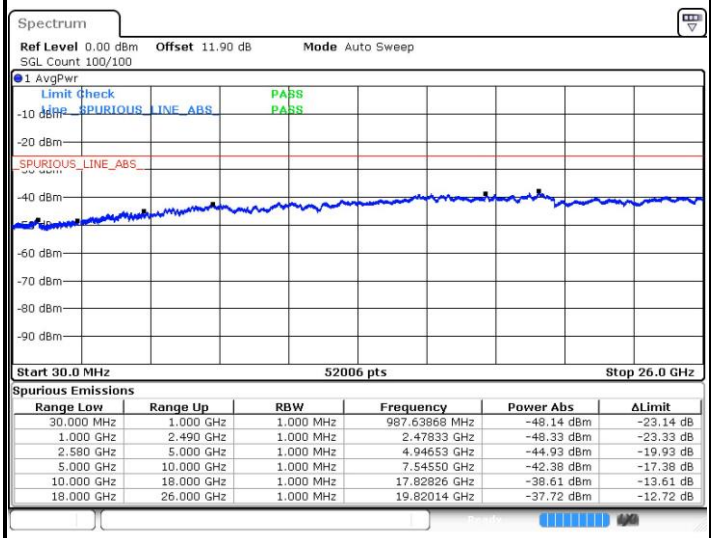


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.80 dBm	-22.80 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48032 GHz	-48.23 dBm	-23.23 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18777 GHz	-44.83 dBm	-19.83 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55549 GHz	-42.22 dBm	-17.22 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83726 GHz	-38.65 dBm	-13.65 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81614 GHz	-37.80 dBm	-12.80 dB

Date: 12.JUN.2018 23:39:05

Highest Channel / 64QAM



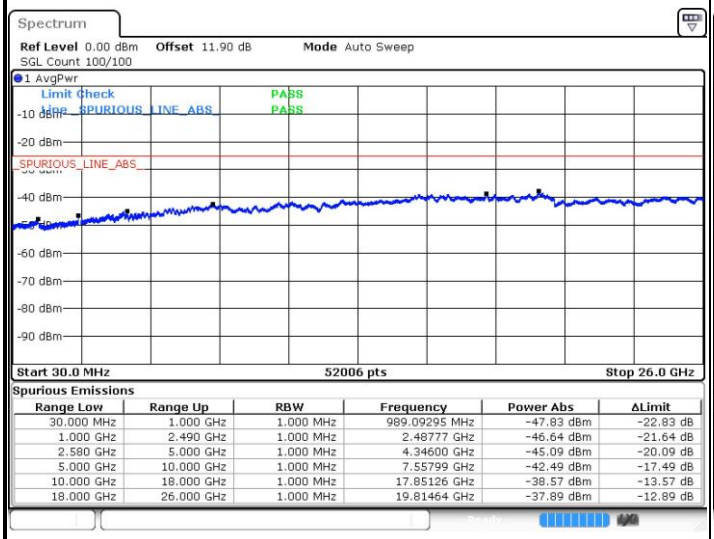
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.63868 MHz	-48.14 dBm	-23.14 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47833 GHz	-48.33 dBm	-23.33 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94653 GHz	-44.93 dBm	-19.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54550 GHz	-42.38 dBm	-17.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82826 GHz	-38.61 dBm	-13.61 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82014 GHz	-37.72 dBm	-12.72 dB

Date: 12.JUN.2018 23:42:39

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

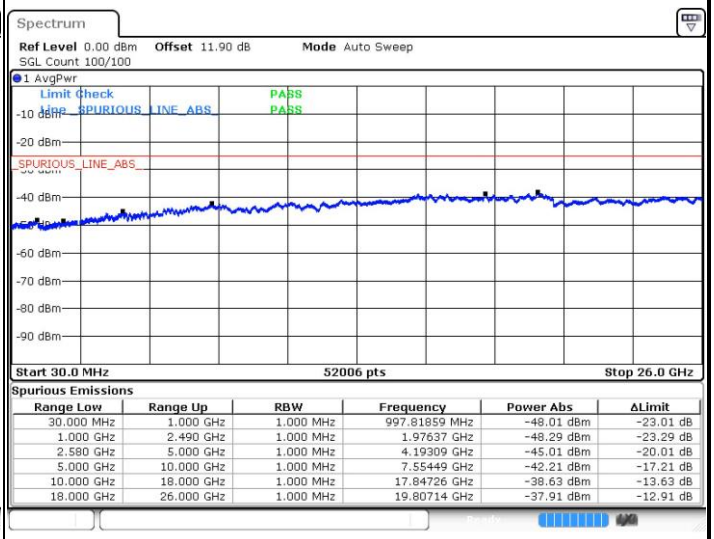


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-47.83 dBm	-22.83 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-46.64 dBm	-21.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.34600 GHz	-45.09 dBm	-20.09 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55799 GHz	-42.49 dBm	-17.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85126 GHz	-38.57 dBm	-13.57 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.89 dBm	-12.89 dB

Date: 13.JUN.2018 00:03:01

Middle Channel / 64QAM

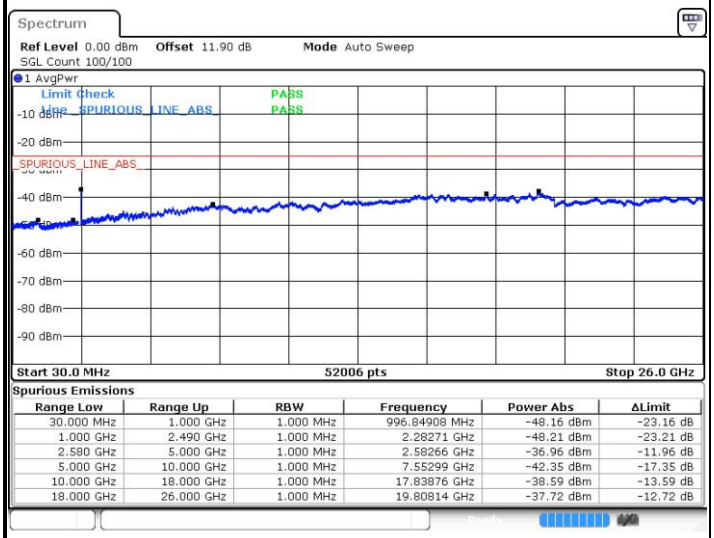


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-48.01 dBm	-23.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	1.97637 GHz	-48.29 dBm	-23.29 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19309 GHz	-45.01 dBm	-20.01 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55449 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.63 dBm	-13.63 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80714 GHz	-37.91 dBm	-12.91 dB

Date: 13.JUN.2018 00:04:16

Highest Channel / 64QAM



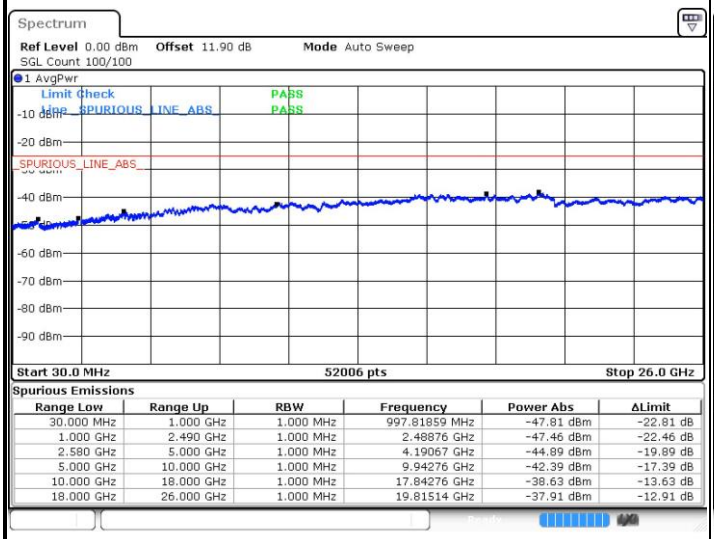
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-48.16 dBm	-23.16 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.28271 GHz	-48.21 dBm	-23.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-36.96 dBm	-11.96 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55299 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83876 GHz	-38.59 dBm	-13.59 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80814 GHz	-37.72 dBm	-12.72 dB

Date: 13.JUN.2018 00:07:50

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

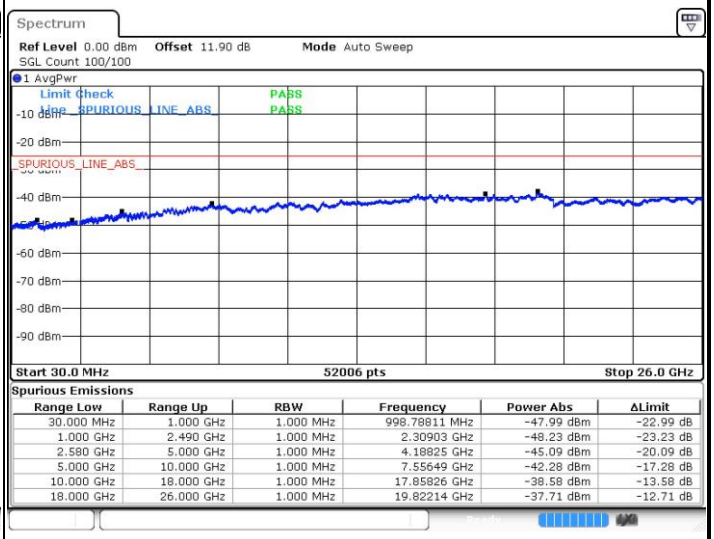


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.81 dBm	-22.81 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-47.46 dBm	-22.46 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19067 GHz	-44.89 dBm	-19.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94276 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84276 GHz	-38.63 dBm	-13.63 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81514 GHz	-37.91 dBm	-12.91 dB

Date: 13.JUN.2018 00:32:09

Middle Channel / 64QAM

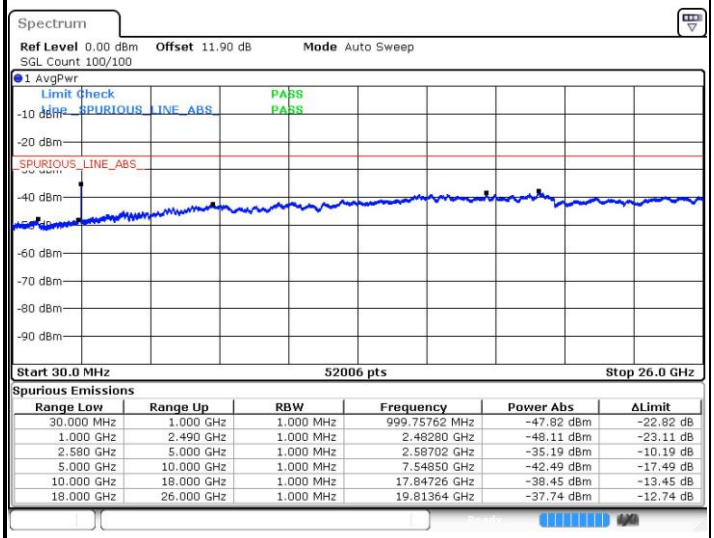


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.99 dBm	-22.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30903 GHz	-48.23 dBm	-23.23 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18825 GHz	-45.09 dBm	-20.09 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55649 GHz	-42.28 dBm	-17.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85826 GHz	-38.58 dBm	-13.58 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82214 GHz	-37.71 dBm	-12.71 dB

Date: 13.JUN.2018 00:38:51

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-47.82 dBm	-22.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-48.11 dBm	-23.11 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-35.19 dBm	-10.19 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54850 GHz	-42.49 dBm	-17.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81364 GHz	-37.74 dBm	-12.74 dB

Date: 13.JUN.2018 00:42:25

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	0.0003	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0041	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

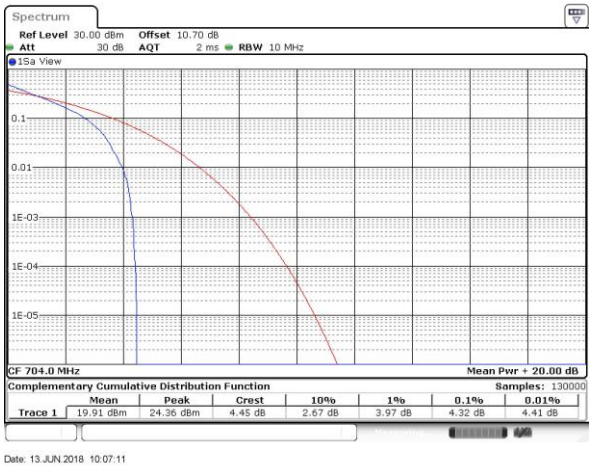
LTE Band 12

Peak-to-Average Ratio

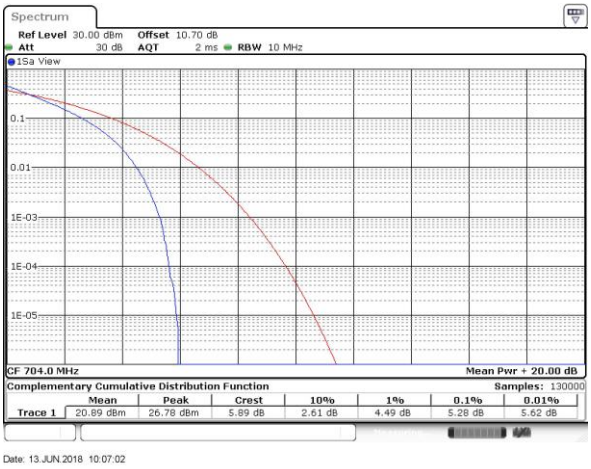
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.32	5.28	5.25	6.09	PASS
Middle CH	3.8	5.19	4.67	6.17	
Highest CH	4.67	5.07	5.54	6.2	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.94	6.49	-	-	PASS
Middle CH	5.68	6.64	-	-	
Highest CH	5.91	6.52	-	-	

LTE Band 12 / 10MHz / QPSK

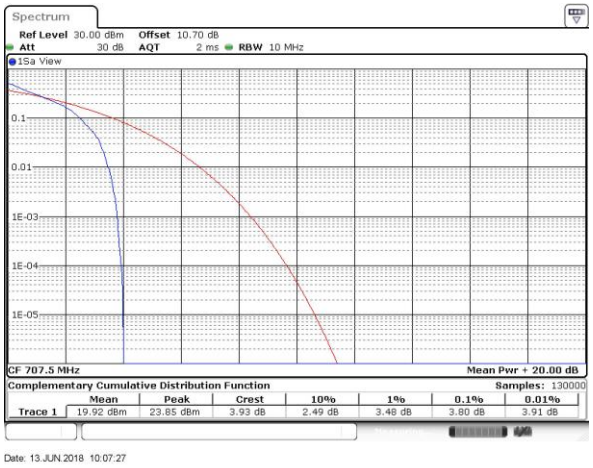
Lowest Channel / 1RB



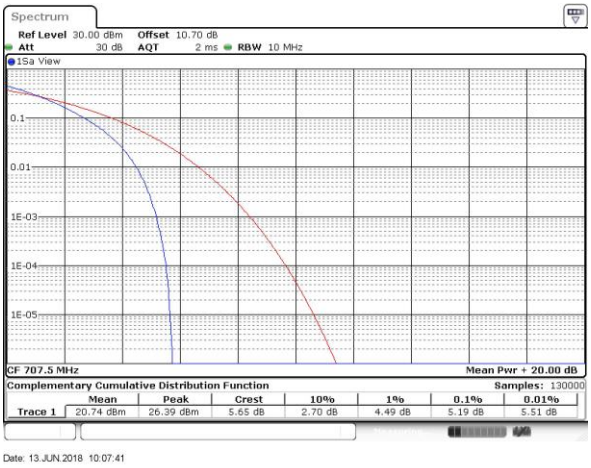
Lowest Channel / Full RB



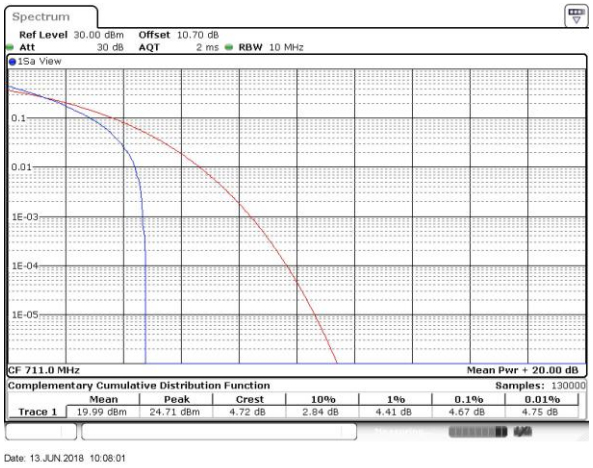
Middle Channel / 1RB



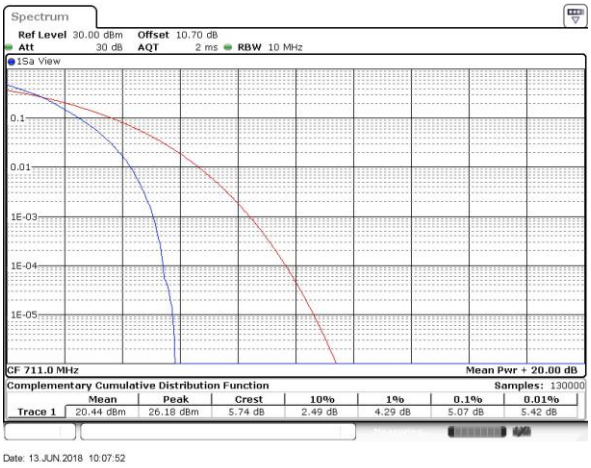
Middle Channel / Full RB



Highest Channel / 1RB

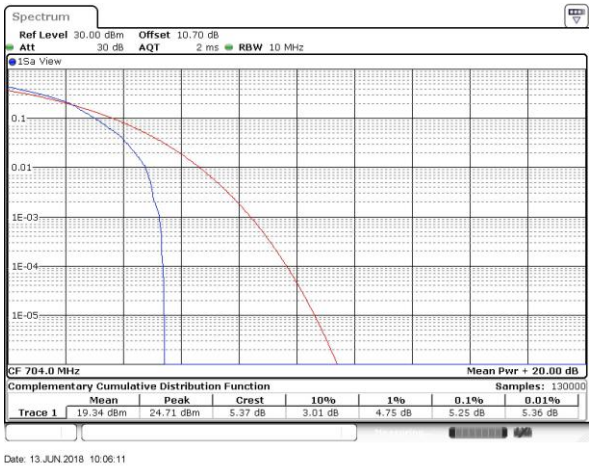


Highest Channel / Full RB

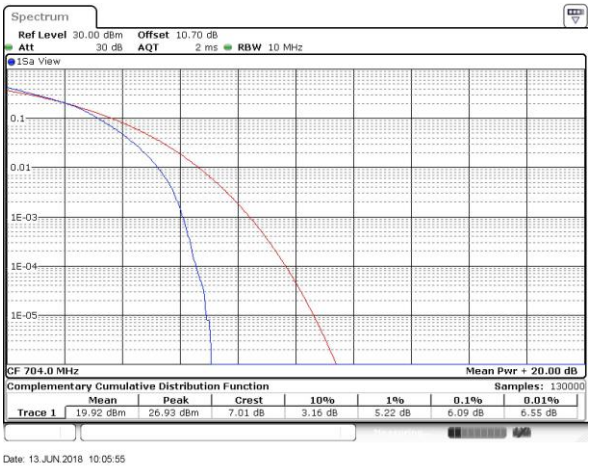


LTE Band 12 / 10MHz / 16QAM

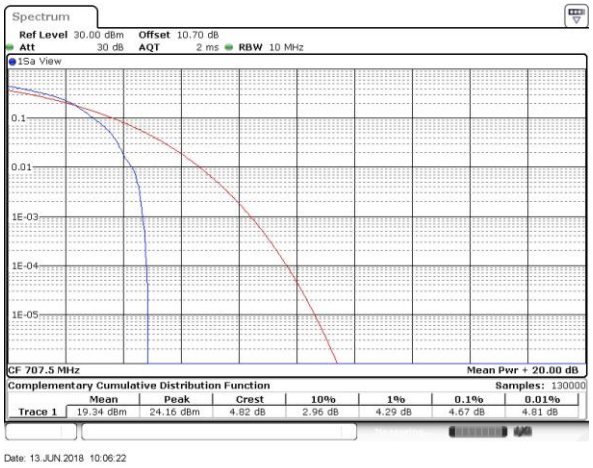
Lowest Channel / 1RB



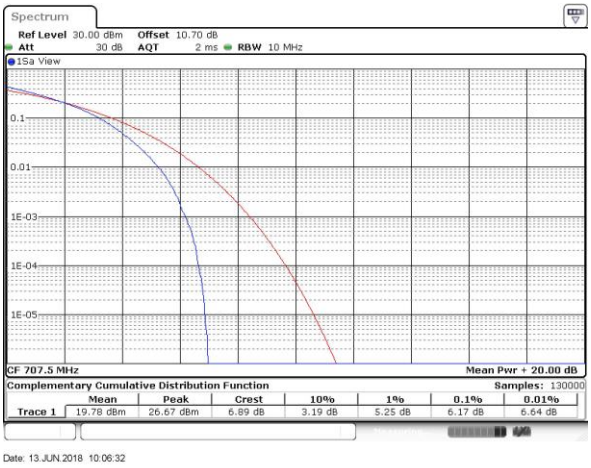
Lowest Channel / Full RB



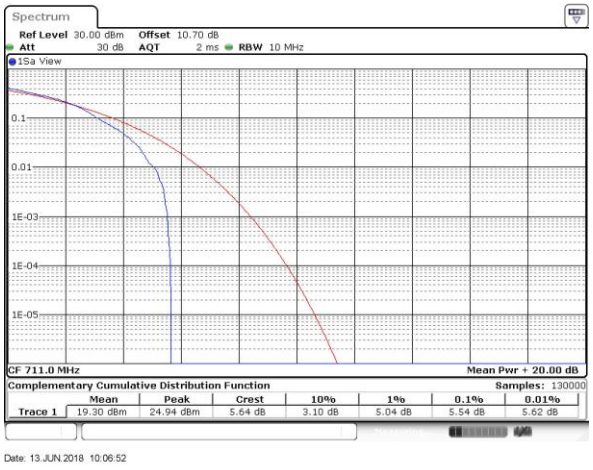
Middle Channel / 1RB



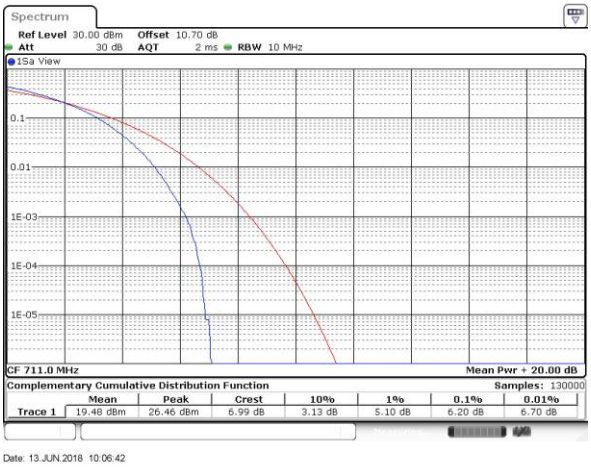
Middle Channel / Full RB



Highest Channel / 1RB

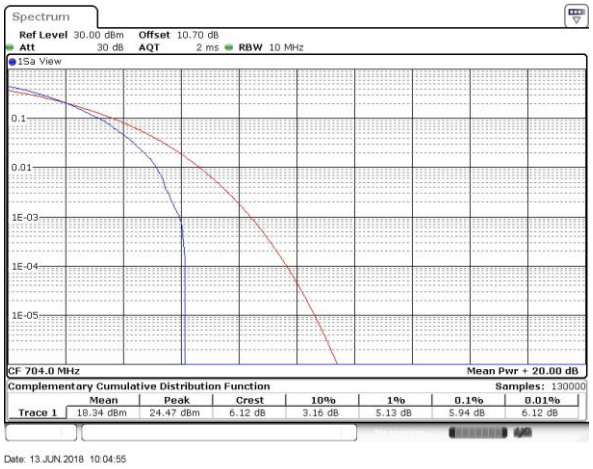


Highest Channel / Full RB

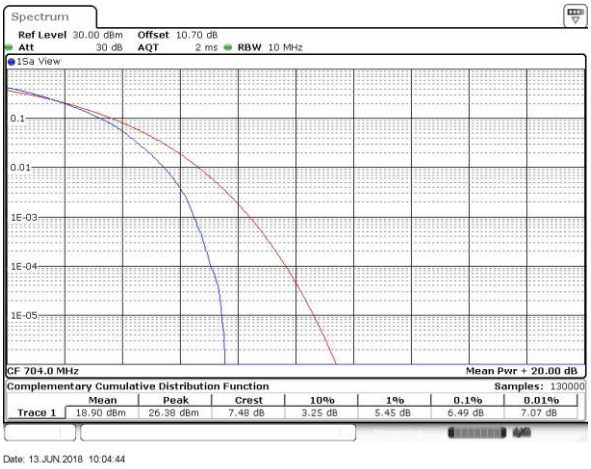


LTE Band 12 / 10MHz / 64QAM

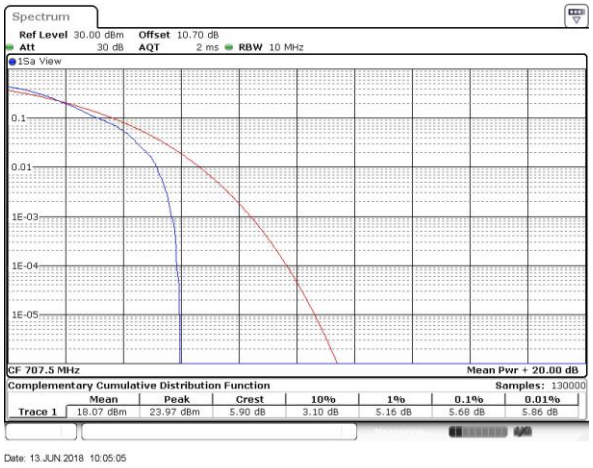
Lowest Channel / 1RB



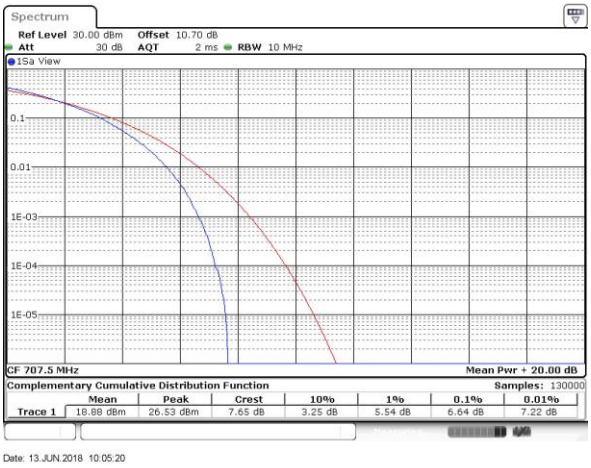
Lowest Channel / Full RB



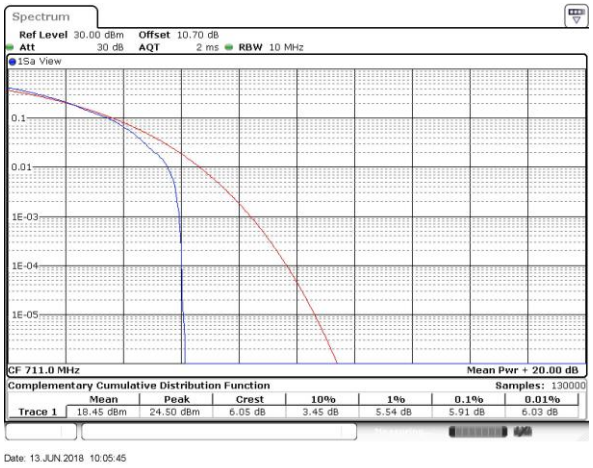
Middle Channel / 1RB



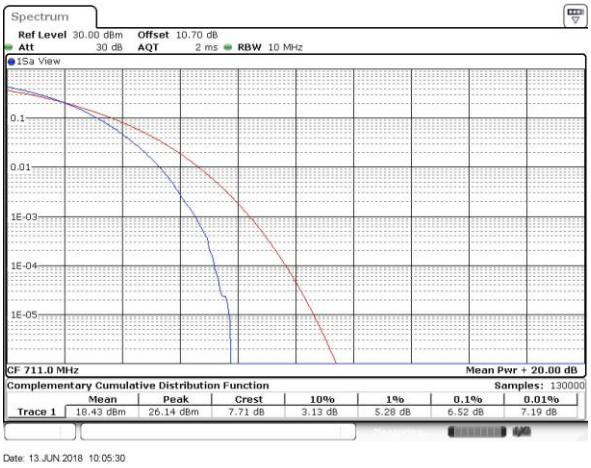
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

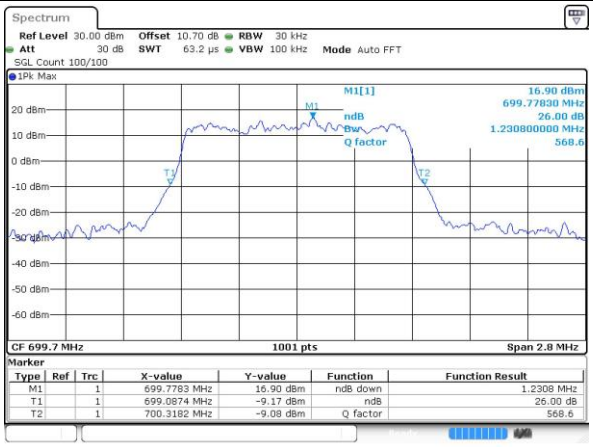


26dB Bandwidth

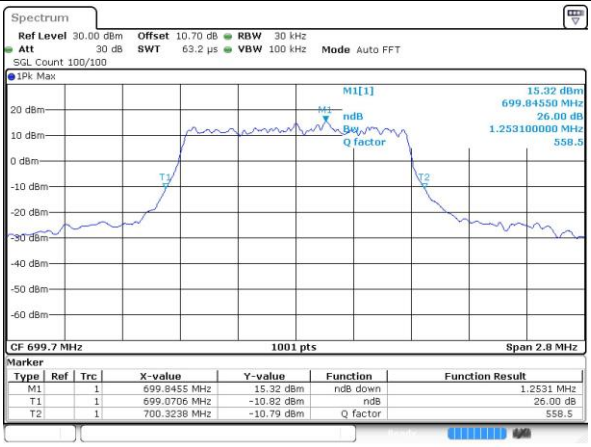
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.25	2.97	2.91	4.91	4.98	10.17	10.05	-	-	-	-
Middle CH	1.28	1.28	2.94	2.96	5.05	4.99	9.75	9.67	-	-	-	-
Highest CH	1.27	1.29	2.97	2.91	5.05	5.08	9.65	9.73	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.29	-	2.92	-	5.12	-	10.01	-	-	-	-	-
Middle CH	1.26	-	2.94	-	4.97	-	10.15	-	-	-	-	-
Highest CH	1.27	-	2.93	-	5.02	-	9.95	-	-	-	-	-

LTE Band 12

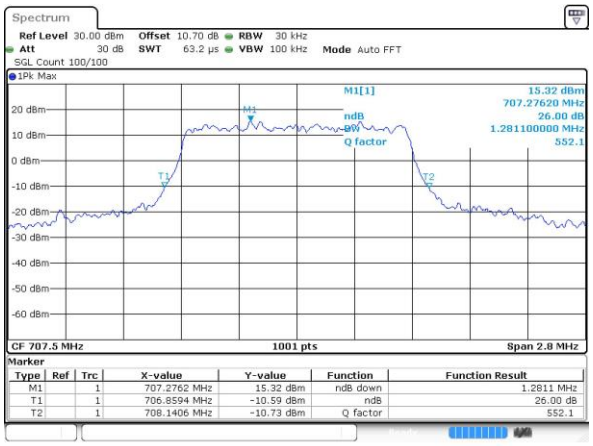
Lowest Channel / 1.4MHz / QPSK



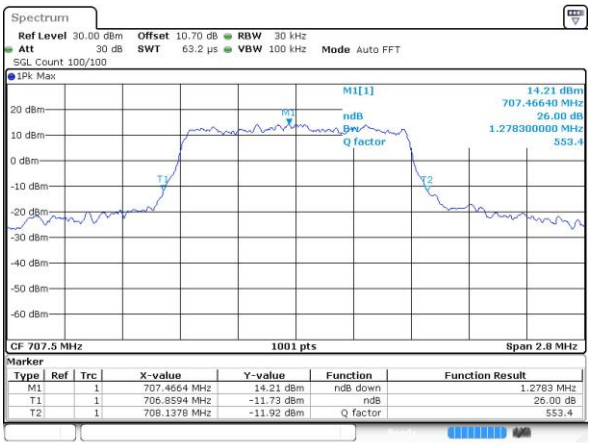
Lowest Channel / 1.4MHz / 16QAM



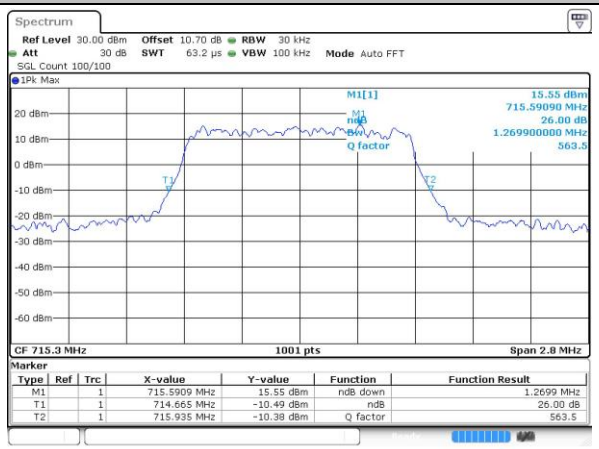
Middle Channel / 1.4MHz / QPSK



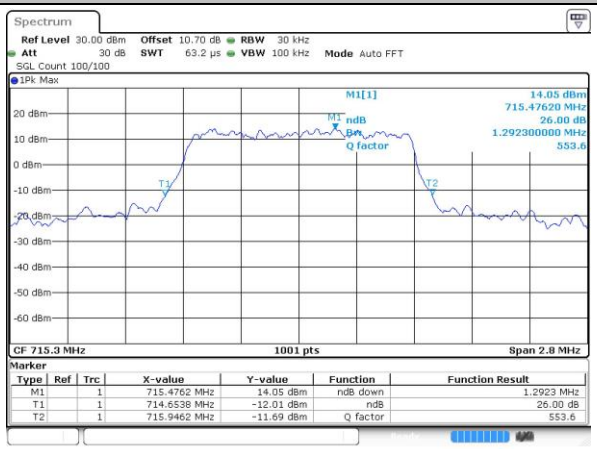
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

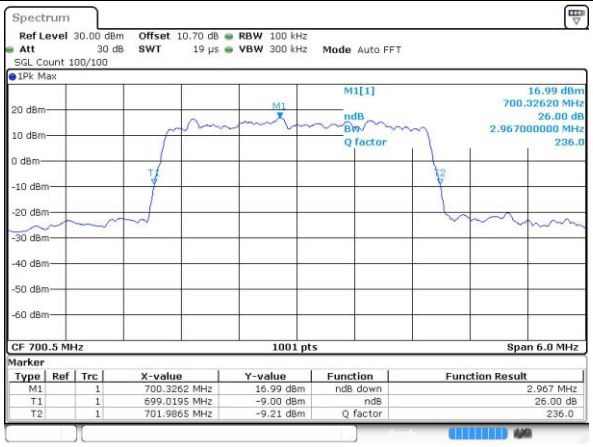


Highest Channel / 1.4MHz / 16QAM

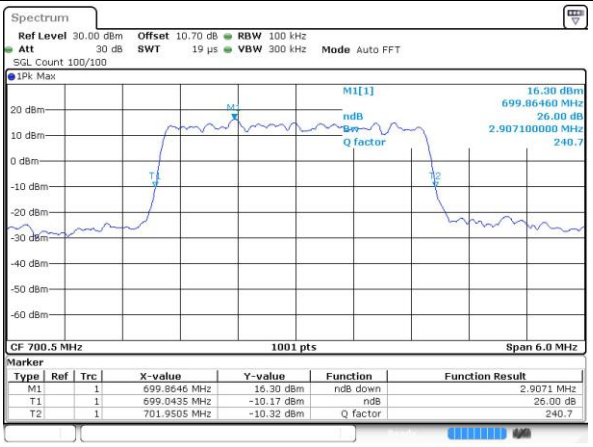


LTE Band 12

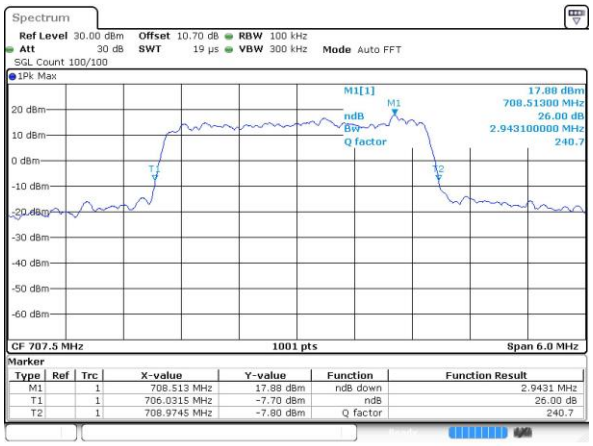
Lowest Channel / 3MHz / QPSK



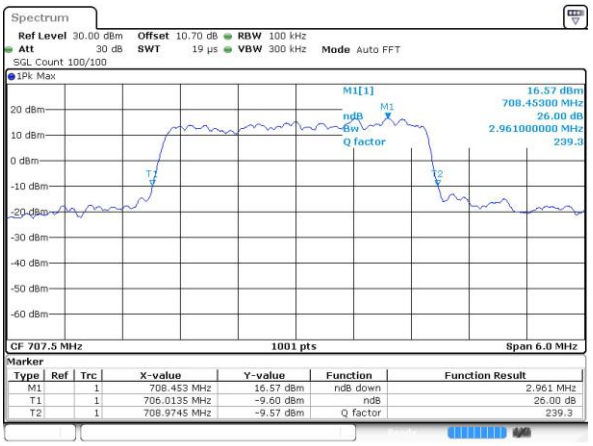
Lowest Channel / 3MHz / 16QAM



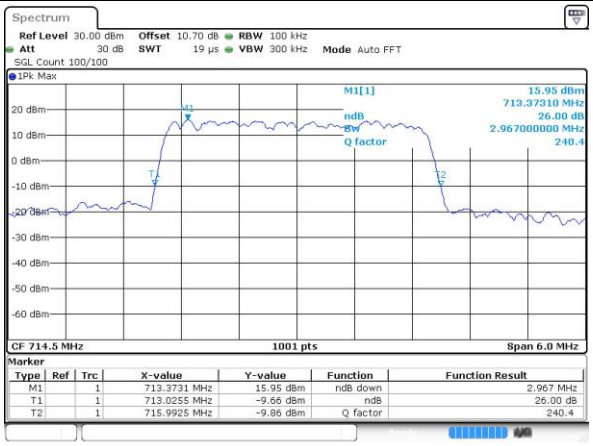
Middle Channel / 3MHz / QPSK



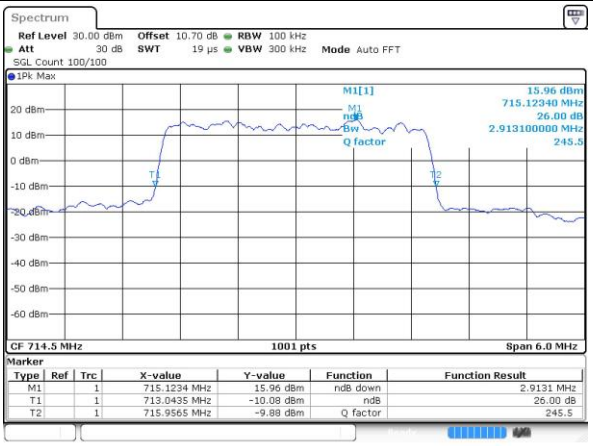
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

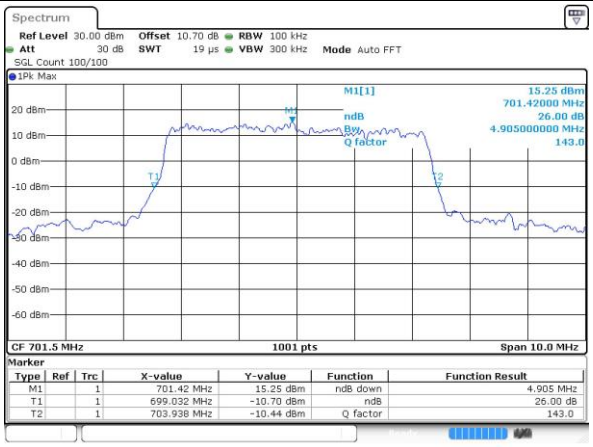


Highest Channel / 3MHz / 16QAM

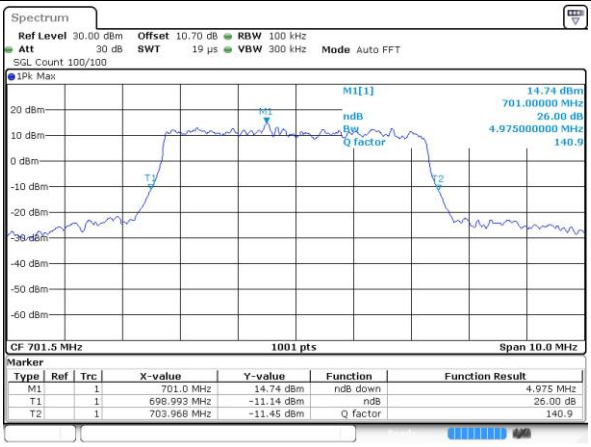


LTE Band 12

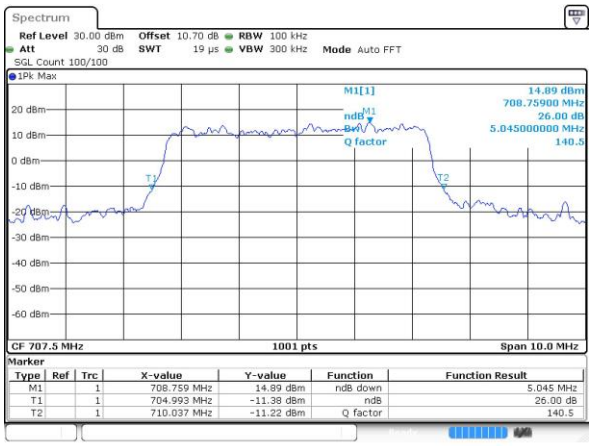
Lowest Channel / 5MHz / QPSK



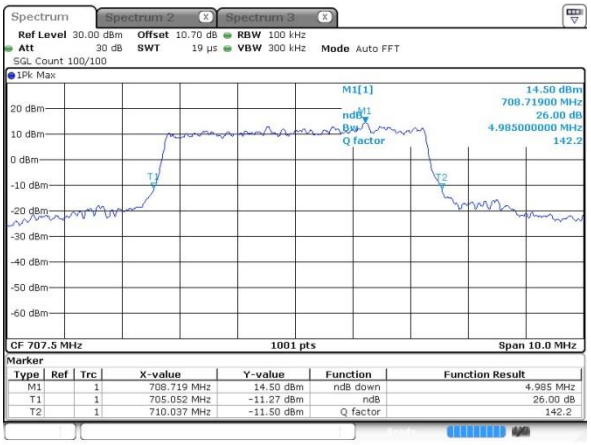
Lowest Channel / 5MHz / 16QAM



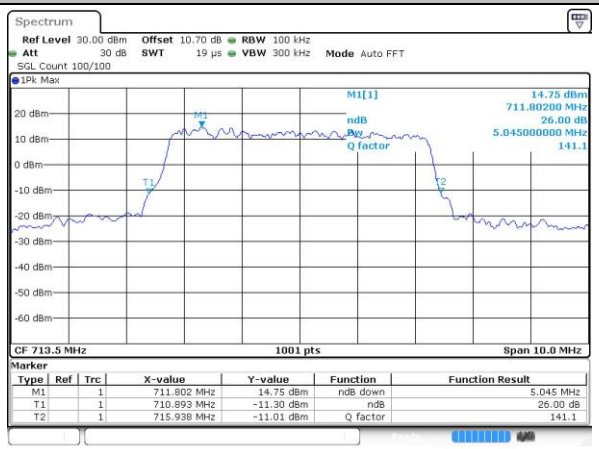
Middle Channel / 5MHz / QPSK



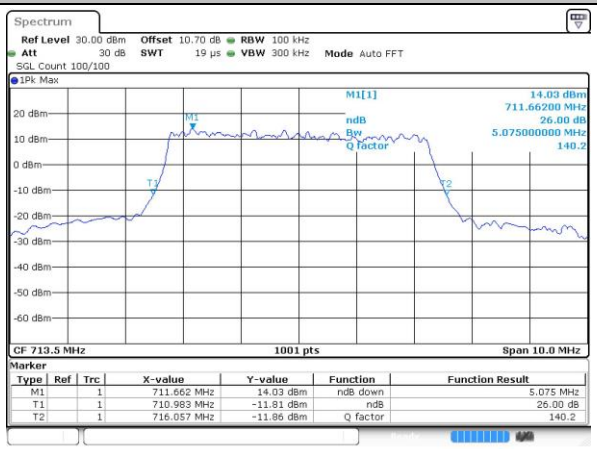
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

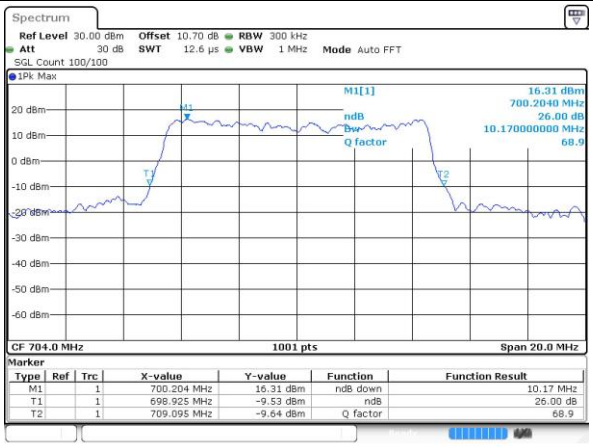


Highest Channel / 5MHz / 16QAM

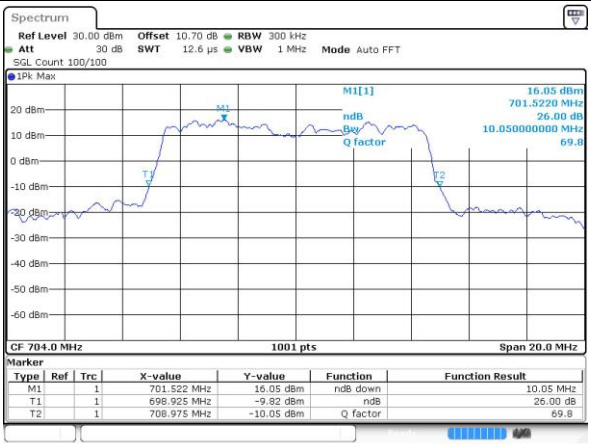


LTE Band 12

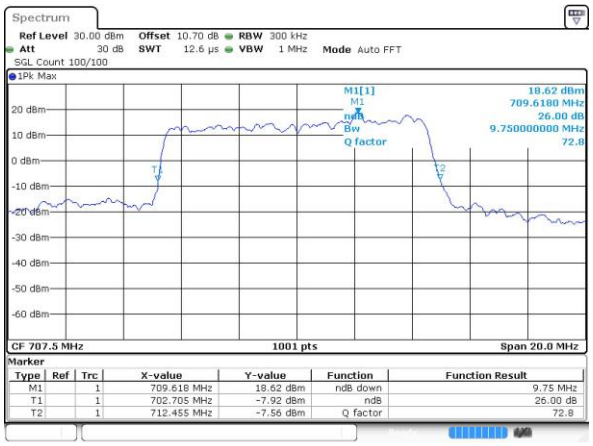
Lowest Channel / 10MHz / QPSK



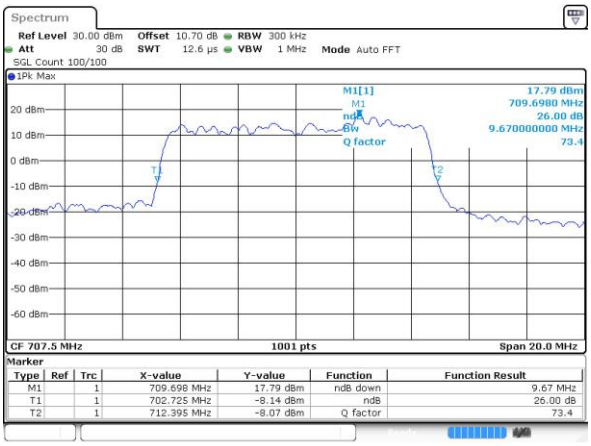
Lowest Channel / 10MHz / 16QAM



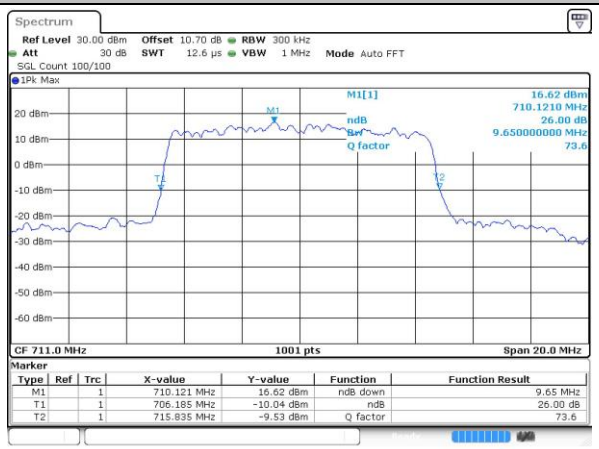
Middle Channel / 10MHz / QPSK



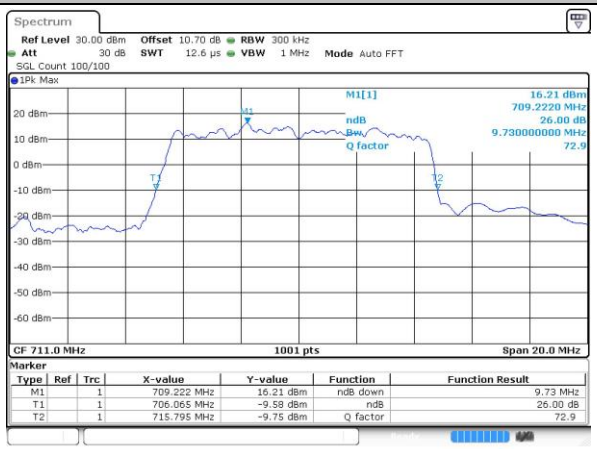
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

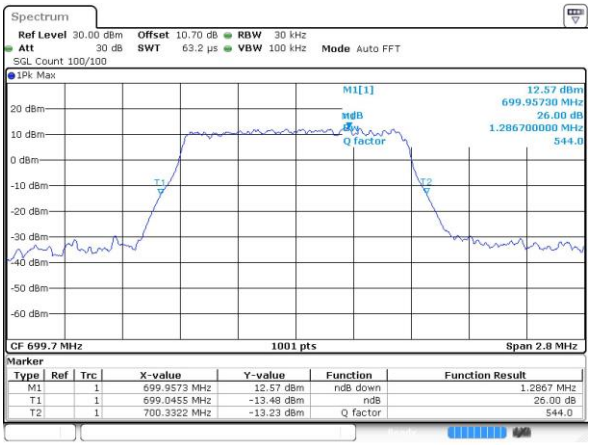


Highest Channel / 10MHz / 16QAM

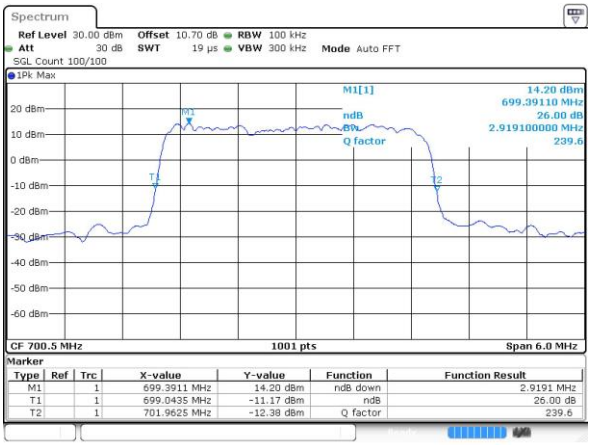


LTE Band 12

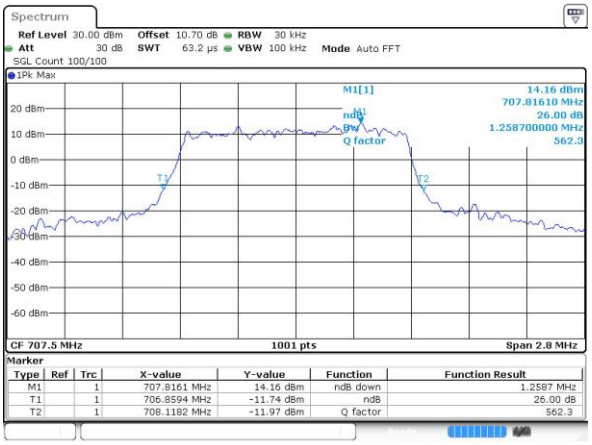
Lowest Channel / 1.4MHz / 64QAM



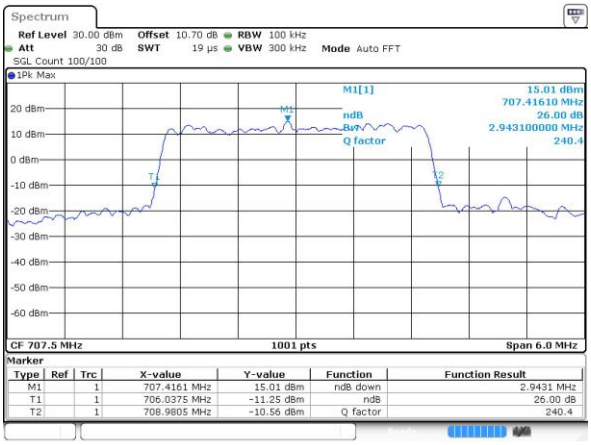
Lowest Channel / 3MHz / 64QAM



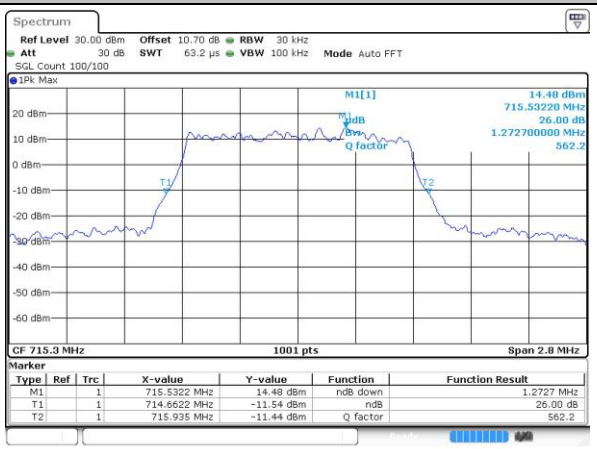
Middle Channel / 1.4MHz / 64QAM



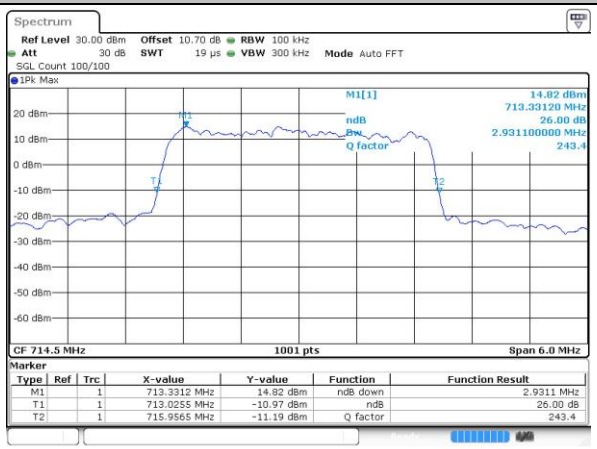
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

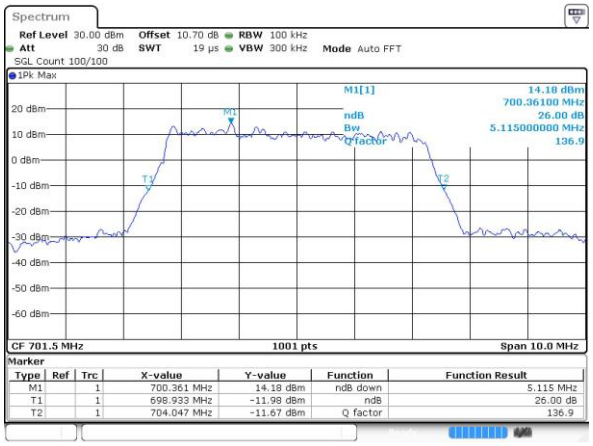


Highest Channel / 3MHz / 64QAM

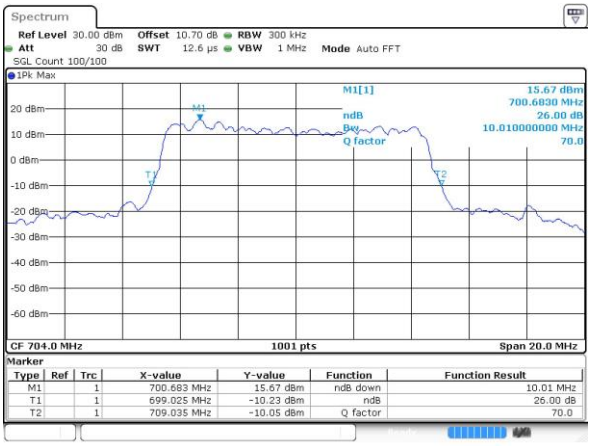


LTE Band 12

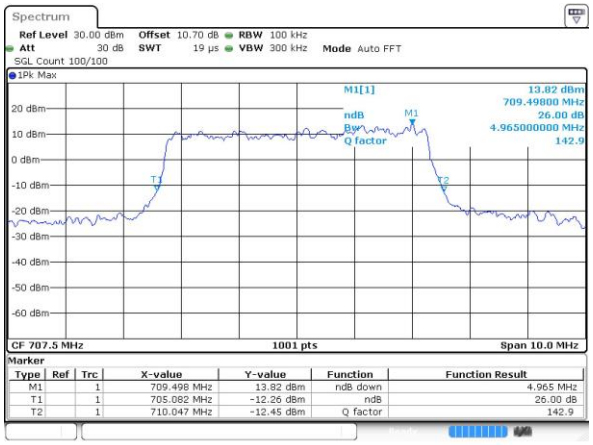
Lowest Channel / 5MHz / 64QAM



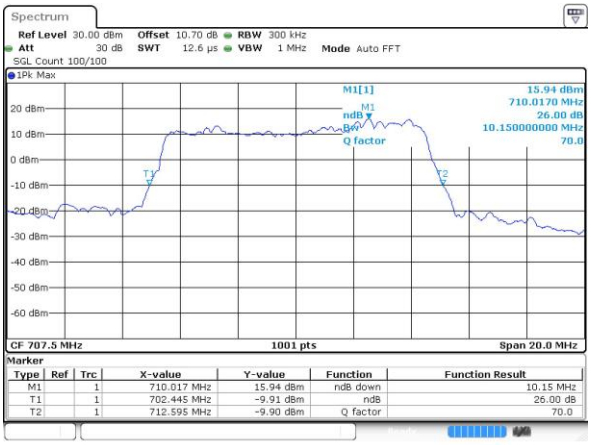
Lowest Channel / 10MHz / 64QAM



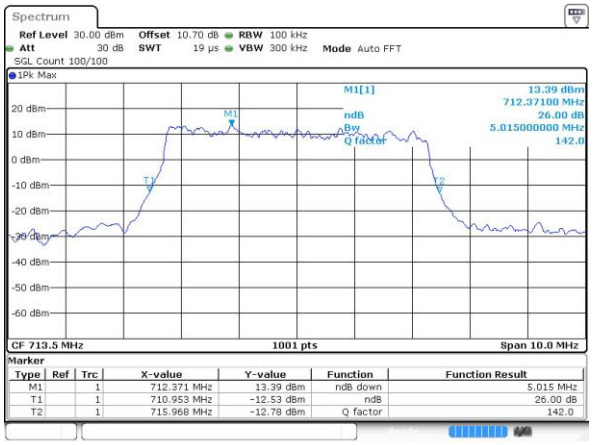
Middle Channel / 5MHz / 64QAM



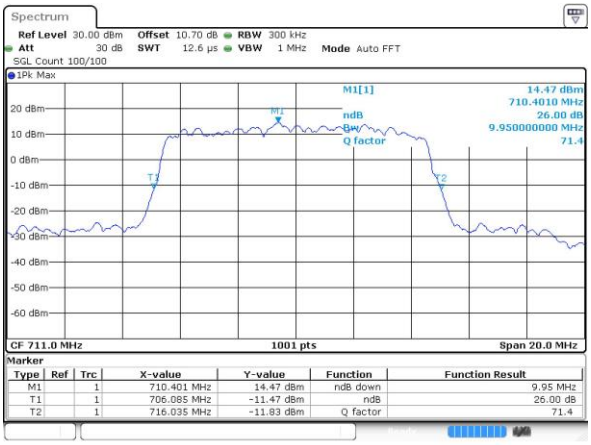
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

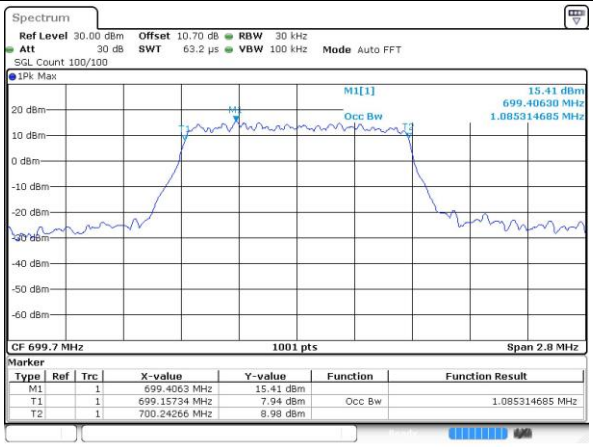


Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.7	2.72	4.5	4.5	9.09	9.09	-	-	-	-
Middle CH	1.1	1.09	2.72	2.72	4.51	4.53	9.05	9.13	-	-	-	-
Highest CH	1.09	1.1	2.72	2.73	4.52	4.5	8.93	8.99	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.70		4.50		9.09		-	-	-	-
Middle CH	1.09		2.71		4.50		9.05		-	-	-	-
Highest CH	1.09		2.72		4.52		8.91		-	-	-	-

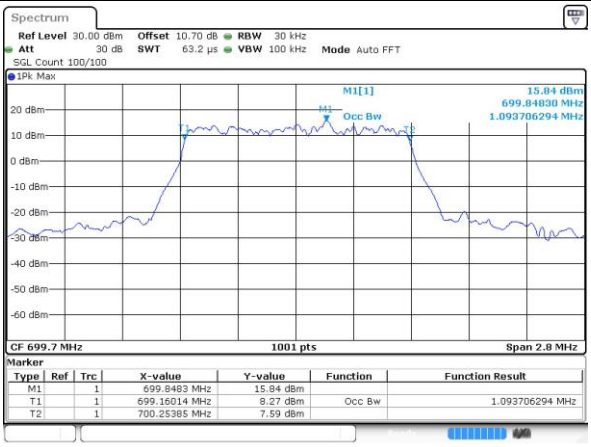
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



Date: 13.JUN.2018 01:40:19

Lowest Channel / 1.4MHz / 16QAM



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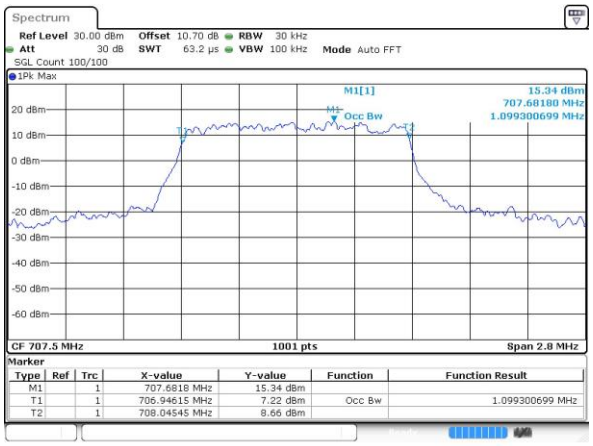
Middle Channel / 1.4MHz / QPSK



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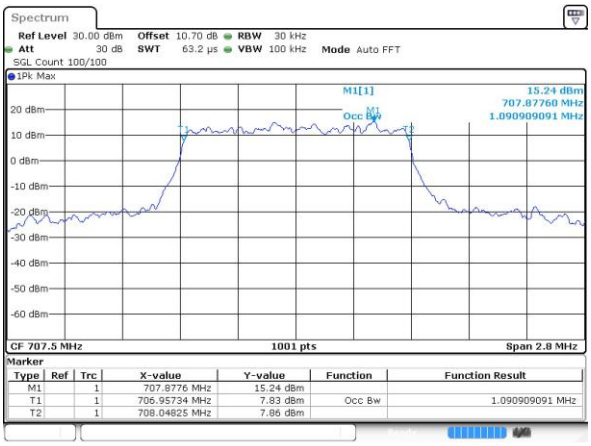
Middle Channel / 1.4MHz / 16QAM



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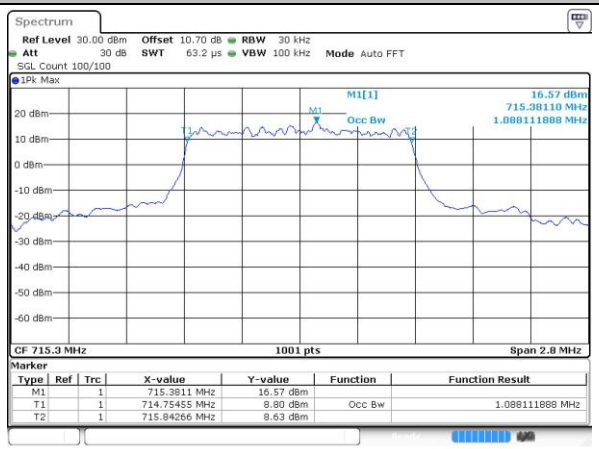
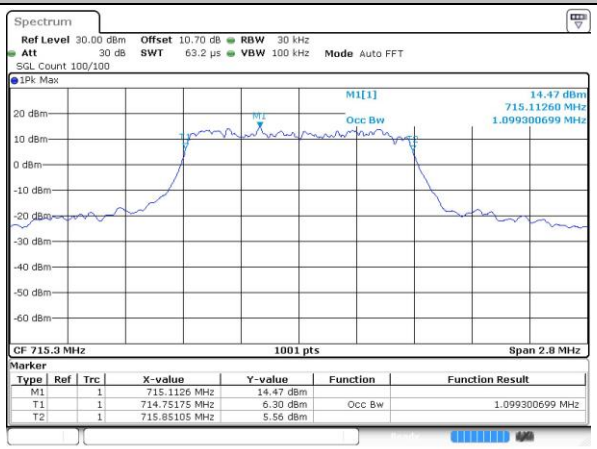
Highest Channel / 1.4MHz / QPSK



Date: 13.JUN.2018 09:20:04

Highest Channel / 1.4MHz / 16QAM



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