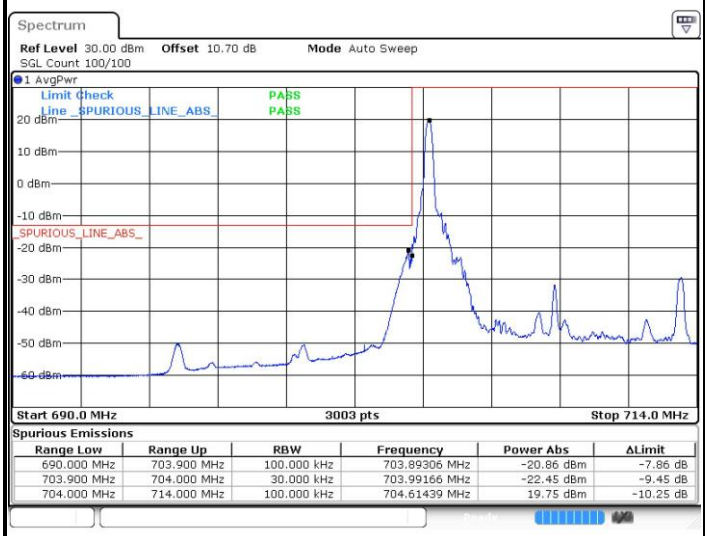
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB

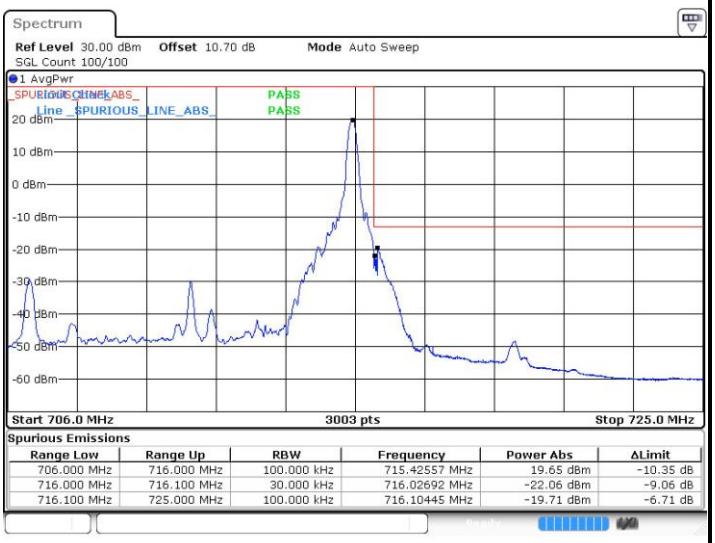


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-20.86 dBm	-7.86 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99166 MHz	-22.45 dBm	-9.45 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.61439 MHz	19.75 dBm	-10.25 dB

Date: 5.SEP.2018 00:33:45

Highest Band Edge / 1 RB

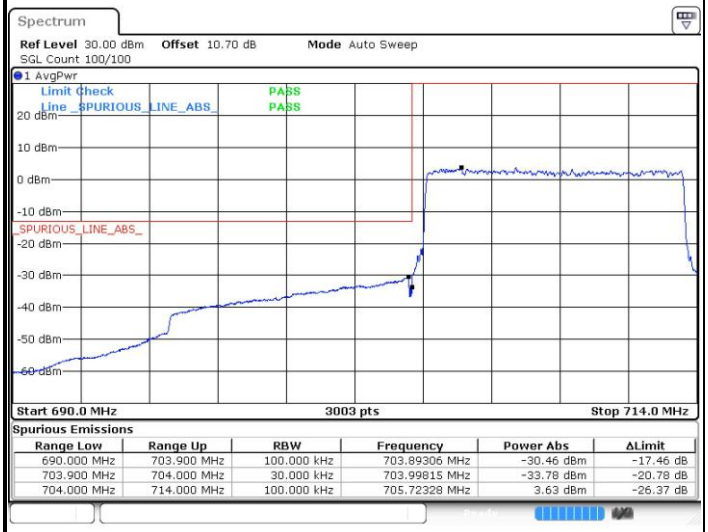


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	19.65 dBm	-10.35 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02692 MHz	-22.06 dBm	-9.06 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.71 dBm	-6.71 dB

Date: 5.SEP.2018 00:43:18

Lowest Band Edge / Full RB

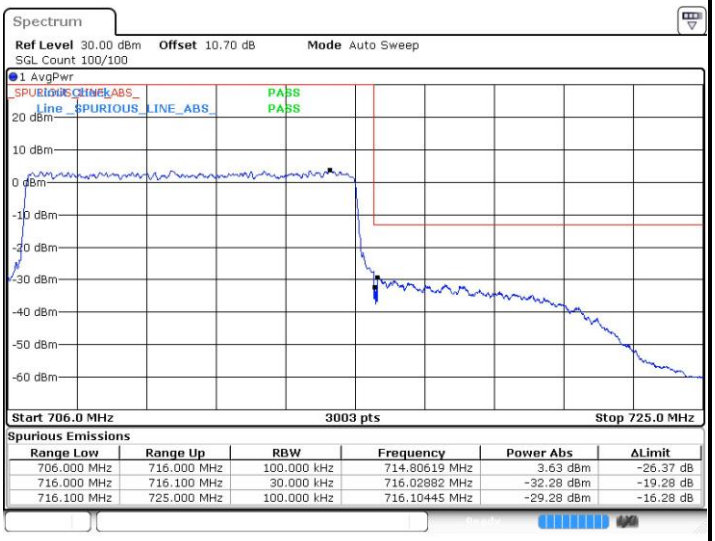


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-30.46 dBm	-17.46 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99815 MHz	-33.78 dBm	-20.78 dB
704.000 MHz	714.000 MHz	100.000 kHz	705.72328 MHz	3.63 dBm	-26.37 dB

Date: 5.SEP.2018 00:36:05

Highest Band Edge / Full RB



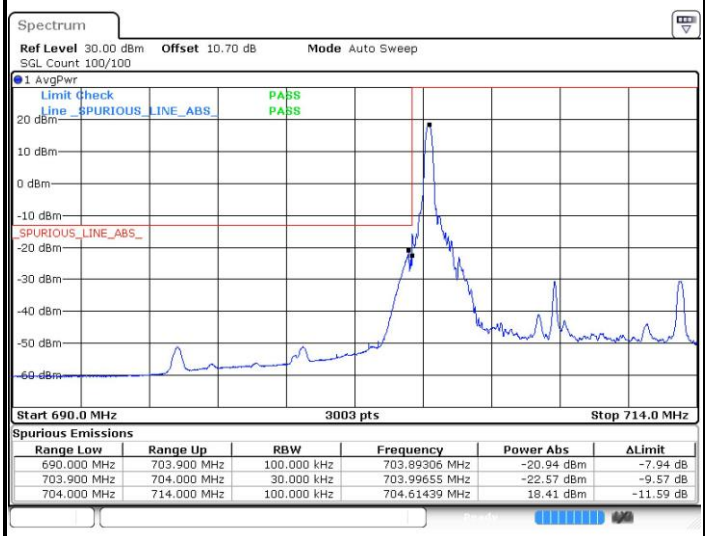
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	714.80619 MHz	3.63 dBm	-26.37 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02882 MHz	-32.28 dBm	-19.28 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-29.28 dBm	-16.28 dB

Date: 5.SEP.2018 00:45:38

LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

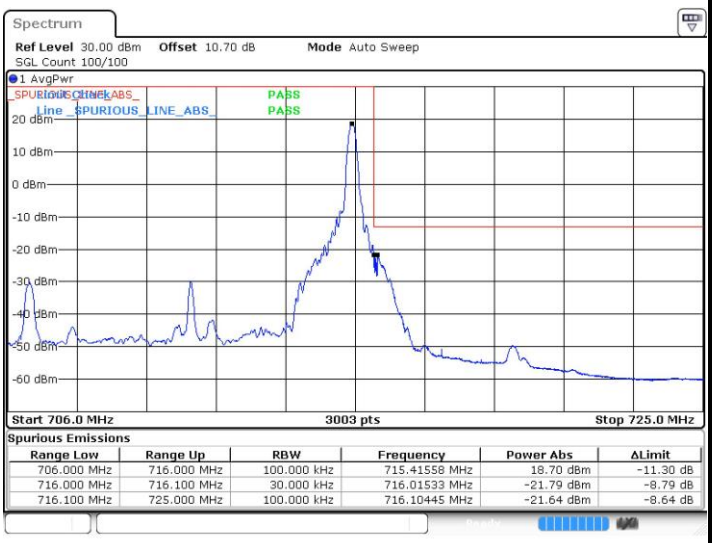


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-20.94 dBm	-7.94 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99655 MHz	-22.57 dBm	-9.57 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.61439 MHz	18.41 dBm	-11.59 dB

Date: 5.SEP.2018 00:34:55

Highest Band Edge / 1 RB

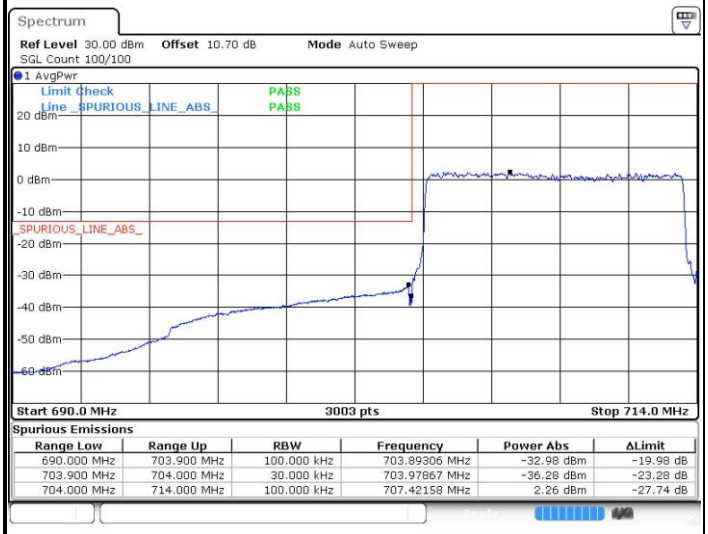


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	18.70 dBm	-11.30 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01533 MHz	-21.79 dBm	-8.79 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.64 dBm	-8.64 dB

Date: 5.SEP.2018 00:44:28

Lowest Band Edge / Full RB

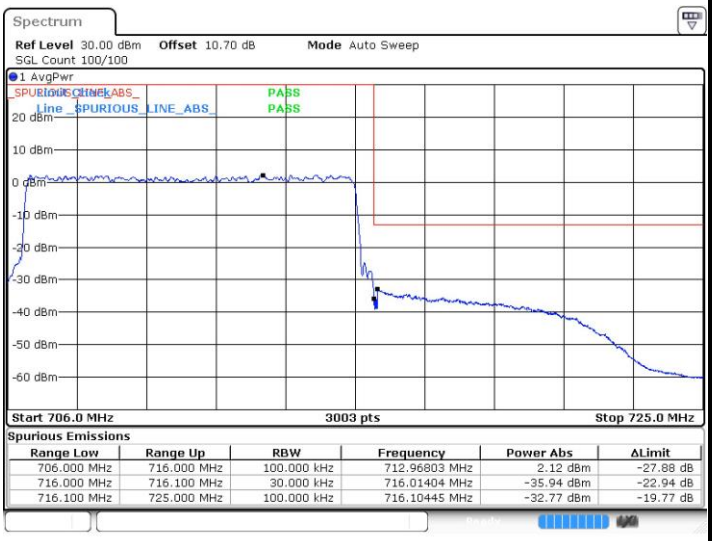


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-32.98 dBm	-19.98 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.97867 MHz	-36.28 dBm	-23.28 dB
704.000 MHz	714.000 MHz	100.000 kHz	707.42158 MHz	2.26 dBm	-27.74 dB

Date: 5.SEP.2018 00:37:15

Highest Band Edge / Full RB



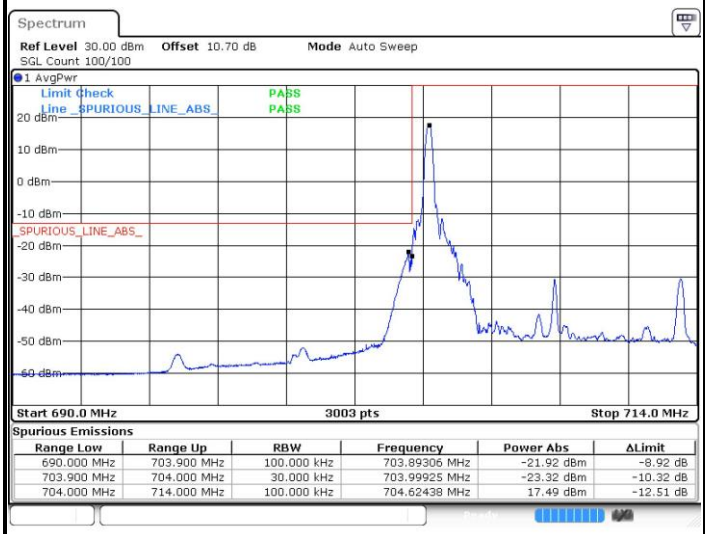
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	712.96803 MHz	2.12 dBm	-27.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01404 MHz	-35.94 dBm	-22.94 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.77 dBm	-19.77 dB

Date: 5.SEP.2018 00:46:48

LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

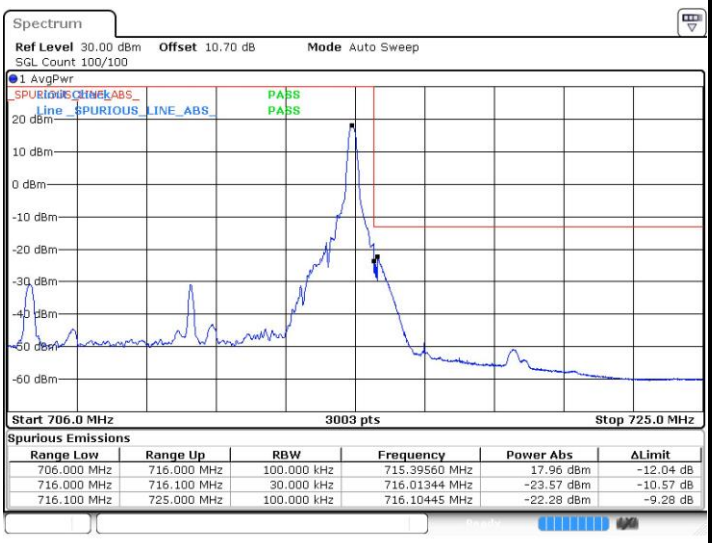


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-21.92 dBm	-8.92 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99925 MHz	-23.32 dBm	-10.32 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.62438 MHz	17.49 dBm	-12.51 dB

Date: 5.SEP.2018 00:58:20

Highest Band Edge / 1 RB

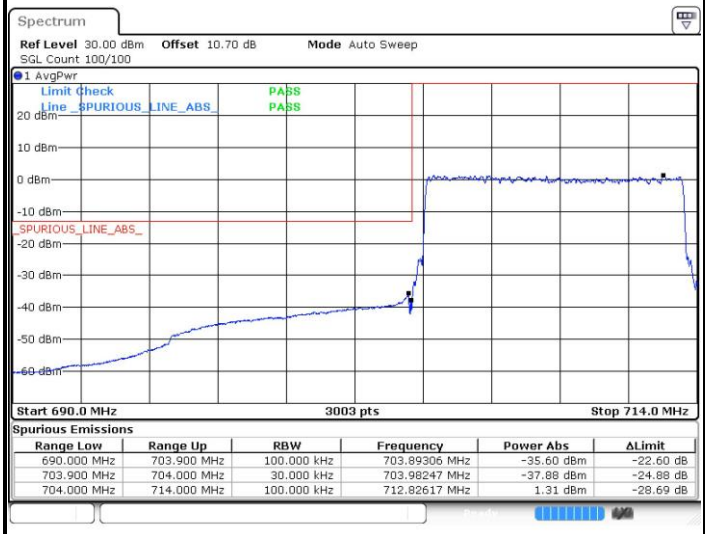


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	17.96 dBm	-12.04 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01344 MHz	-23.57 dBm	-10.57 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-22.28 dBm	-9.28 dB

Date: 5.SEP.2018 01:03:06

Lowest Band Edge / Full RB

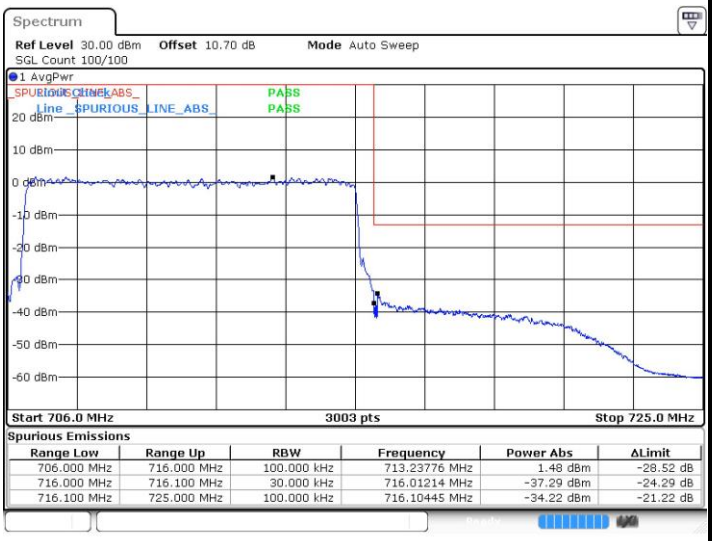


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-35.60 dBm	-22.60 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98247 MHz	-37.88 dBm	-24.88 dB
704.000 MHz	714.000 MHz	100.000 kHz	712.82617 MHz	1.31 dBm	-28.69 dB

Date: 5.SEP.2018 00:59:30

Highest Band Edge / Full RB



Spurious Emissions

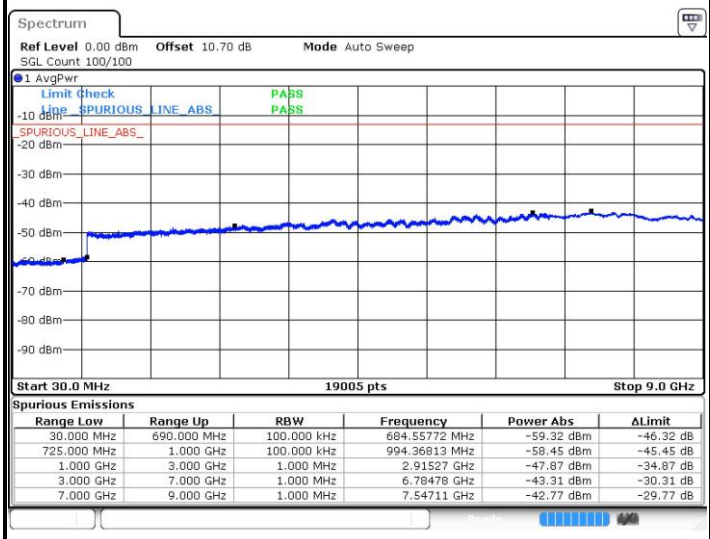
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	713.23776 MHz	1.48 dBm	-28.52 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01214 MHz	-37.29 dBm	-24.29 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.22 dBm	-21.22 dB

Date: 5.SEP.2018 01:04:16

Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

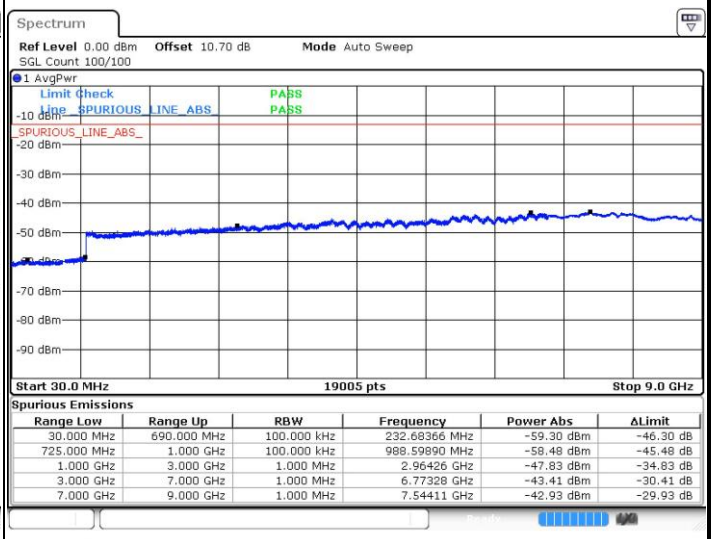


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.55772 MHz	-59.32 dBm	-46.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.91527 GHz	-47.87 dBm	-34.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78478 GHz	-43.31 dBm	-30.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-42.77 dBm	-29.77 dB

Date: 5.SEP.2018 00:21:27

Lowest Channel / 16QAM

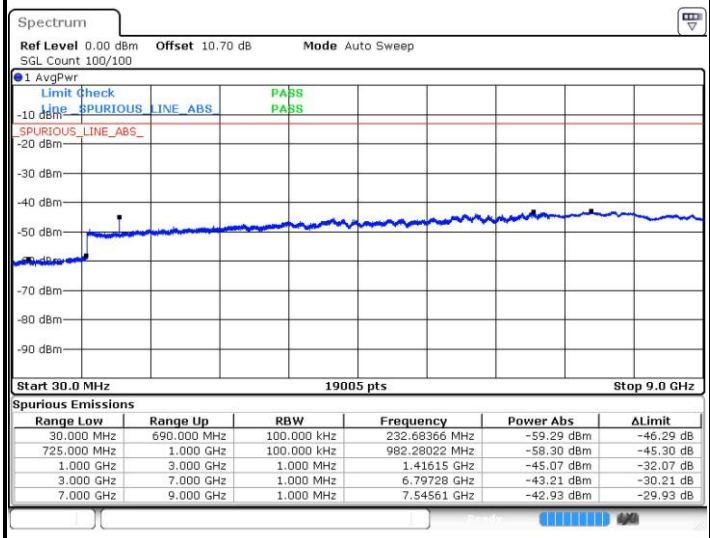


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.68366 MHz	-59.30 dBm	-46.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.59890 MHz	-58.48 dBm	-45.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96426 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77328 GHz	-43.41 dBm	-30.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-42.93 dBm	-29.93 dB

Date: 5.SEP.2018 00:22:17

Middle Channel / QPSK

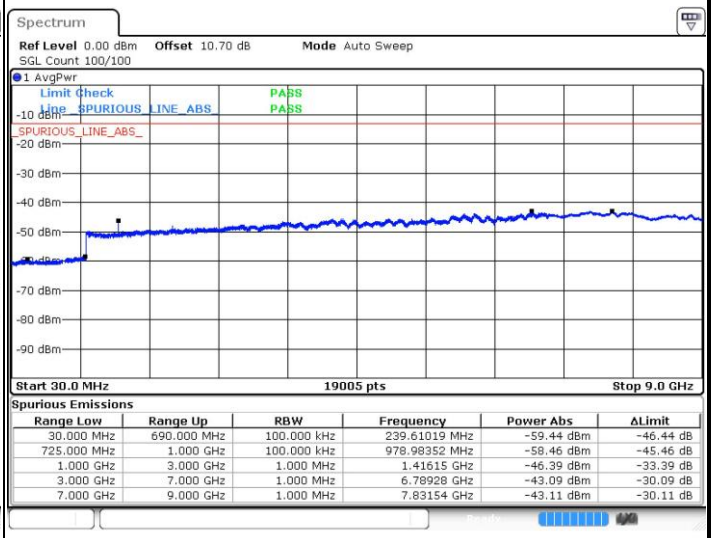


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.68366 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.28022 MHz	-58.30 dBm	-45.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-45.07 dBm	-32.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79728 GHz	-43.21 dBm	-30.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-42.93 dBm	-29.93 dB

Date: 5.SEP.2018 00:23:53

Middle Channel / 16QAM



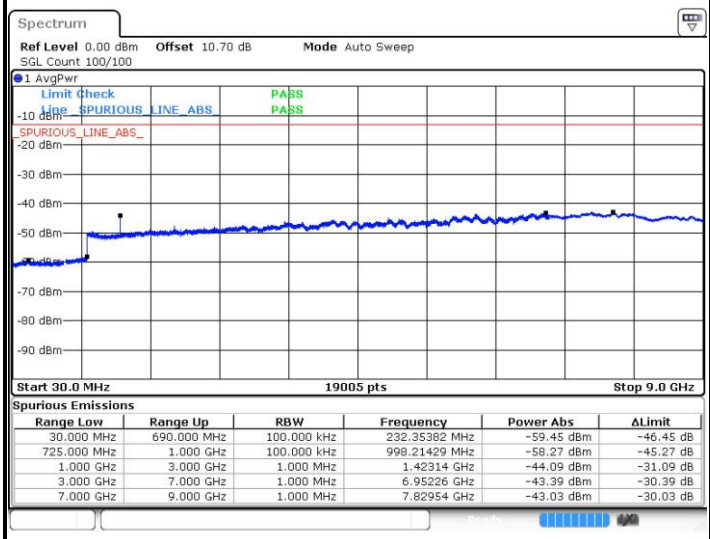
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.61019 MHz	-59.44 dBm	-46.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	978.98352 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-43.09 dBm	-30.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83154 GHz	-43.11 dBm	-30.11 dB

Date: 5.SEP.2018 00:24:44

LTE Band 17 / 5MHz

Highest Channel / QPSK

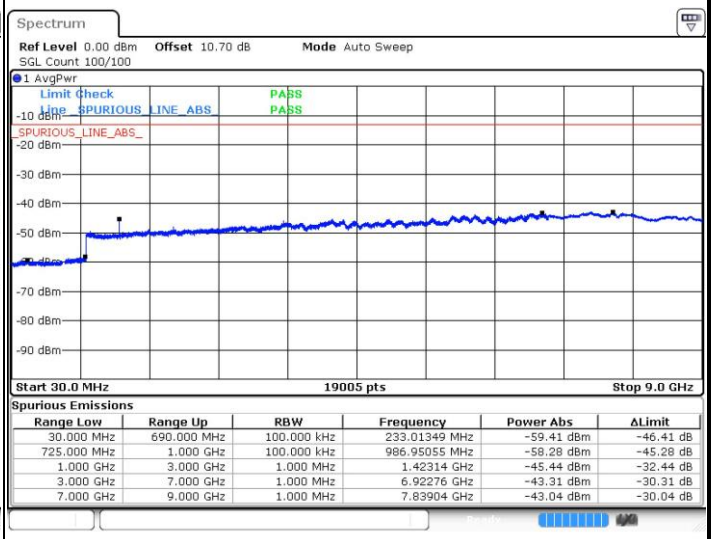


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.35382 MHz	-59.45 dBm	-46.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.27 dBm	-45.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95226 GHz	-43.39 dBm	-30.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.82954 GHz	-43.03 dBm	-30.03 dB

Date: 5.SEP.2018 00:31:00

Highest Channel / 16QAM



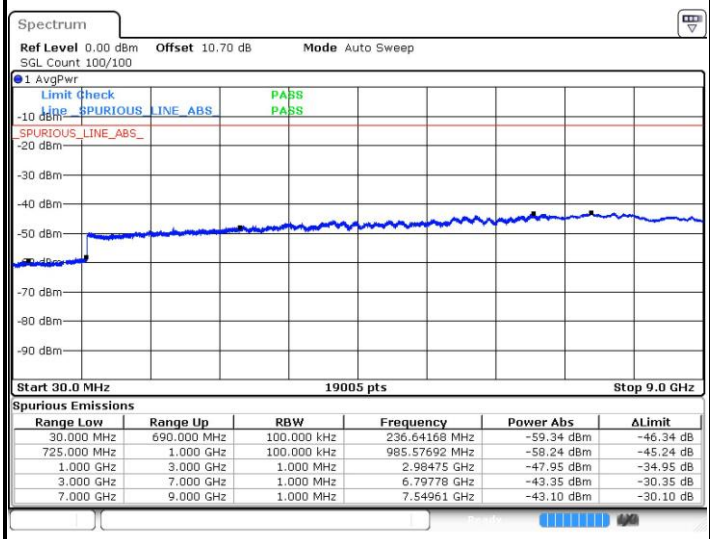
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.41 dBm	-46.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.95055 MHz	-58.28 dBm	-45.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.44 dBm	-32.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92276 GHz	-43.31 dBm	-30.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83904 GHz	-43.04 dBm	-30.04 dB

Date: 5.SEP.2018 00:31:50

LTE Band 17 / 10MHz

Lowest Channel / QPSK

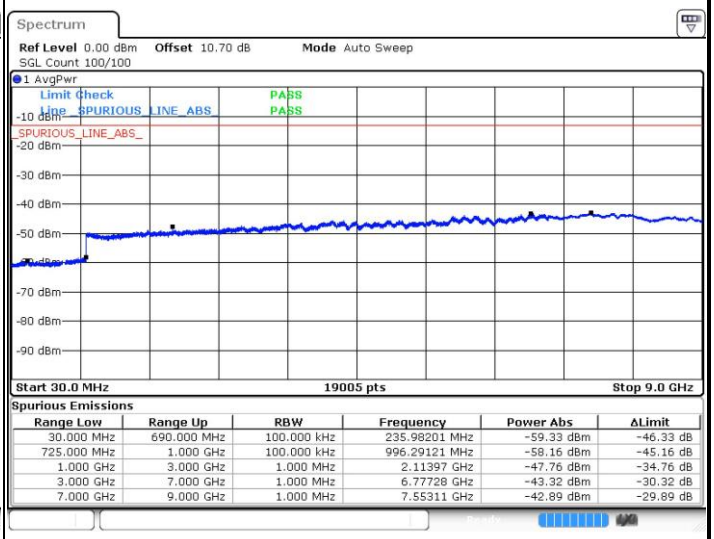


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.64168 MHz	-59.34 dBm	-46.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	985.57692 MHz	-58.24 dBm	-45.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98475 GHz	-47.95 dBm	-34.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.35 dBm	-30.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.10 dBm	-30.10 dB

Date: 5.SEP.2018 00:38:06

Lowest Channel / 16QAM



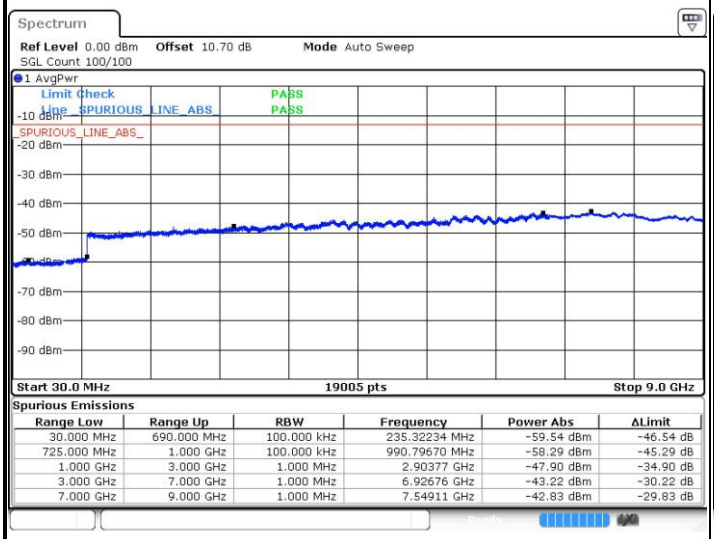
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.33 dBm	-46.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.11397 GHz	-47.76 dBm	-34.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-42.89 dBm	-29.89 dB

Date: 5.SEP.2018 00:38:56

LTE Band 17 / 10MHz

Middle Channel / QPSK

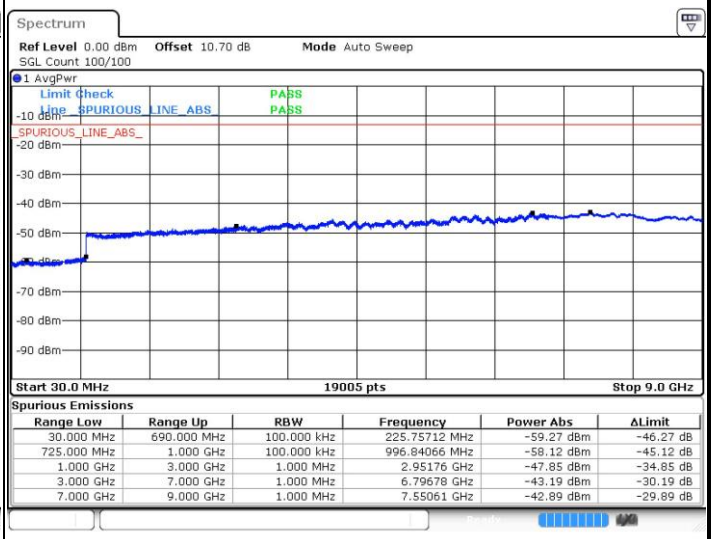


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.32234 MHz	-59.54 dBm	-46.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.79670 MHz	-58.29 dBm	-45.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90377 GHz	-47.90 dBm	-34.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92676 GHz	-43.22 dBm	-30.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-42.83 dBm	-29.83 dB

Date: 5.SEP.2018 00:40:32

Middle Channel / 16QAM

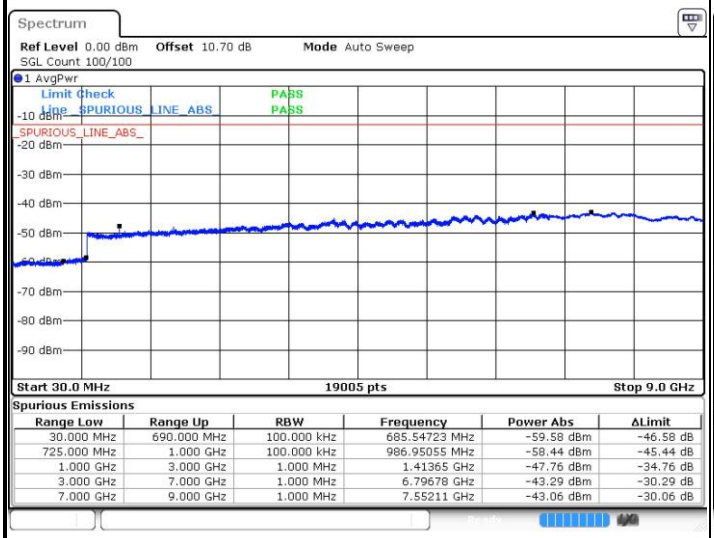


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	225.75712 MHz	-59.27 dBm	-46.27 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-58.12 dBm	-45.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95176 GHz	-47.85 dBm	-34.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.19 dBm	-30.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-42.89 dBm	-29.89 dB

Date: 5.SEP.2018 00:41:22

Highest Channel / QPSK

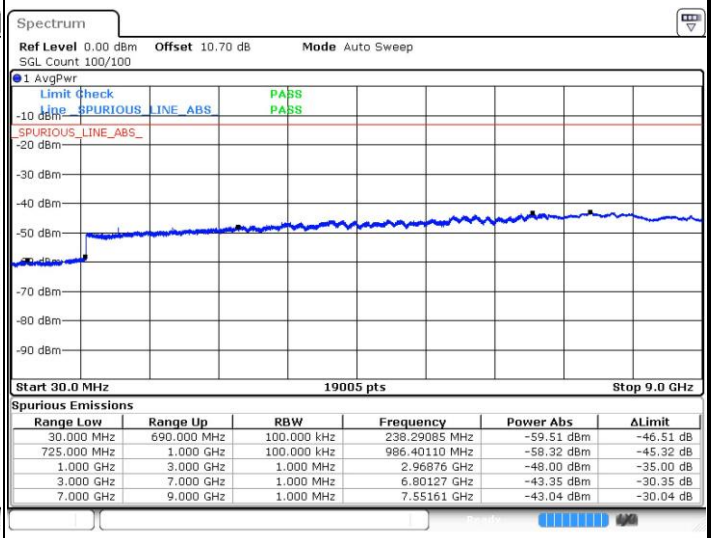


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.95055 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.76 dBm	-34.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.06 dBm	-30.06 dB

Date: 5.SEP.2018 00:47:38

Highest Channel / 16QAM



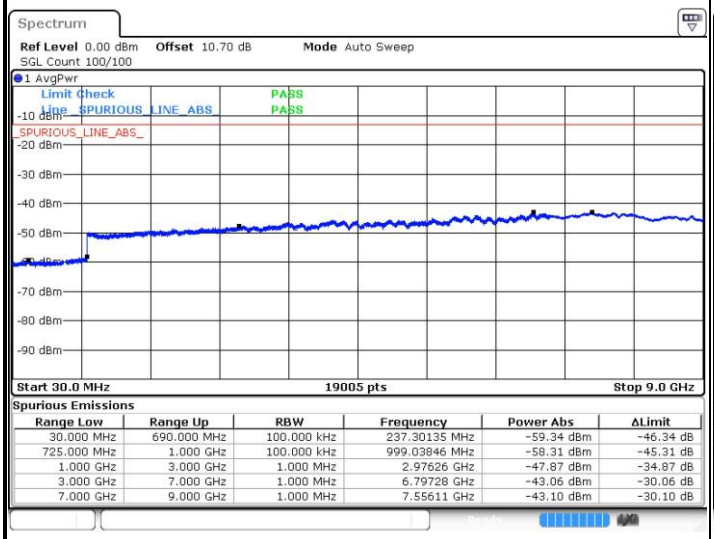
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.29085 MHz	-59.51 dBm	-46.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-58.32 dBm	-45.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96876 GHz	-48.00 dBm	-35.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80127 GHz	-43.35 dBm	-30.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-43.04 dBm	-30.04 dB

Date: 5.SEP.2018 00:48:29

LTE Band 17 / 5MHz

Lowest Channel / 64QAM

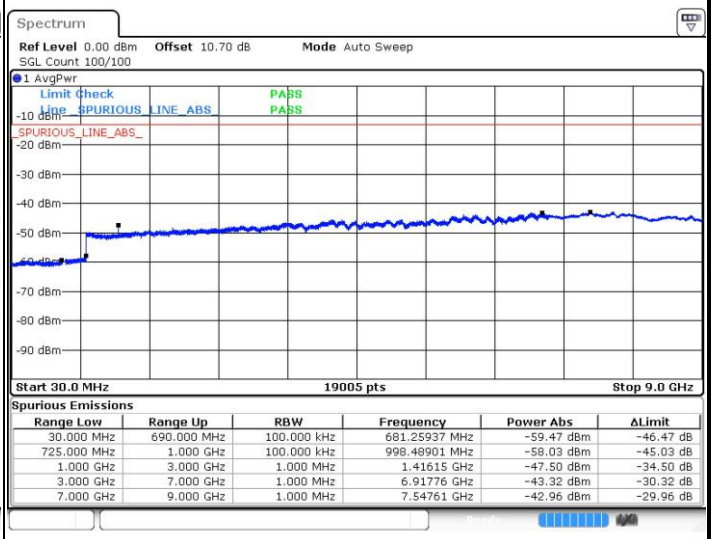


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.30135 MHz	-59.34 dBm	-46.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97626 GHz	-47.87 dBm	-34.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79728 GHz	-43.06 dBm	-30.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55611 GHz	-43.10 dBm	-30.10 dB

Date: 5.SEP.2018 00:52:02

Middle Channel / 64QAM

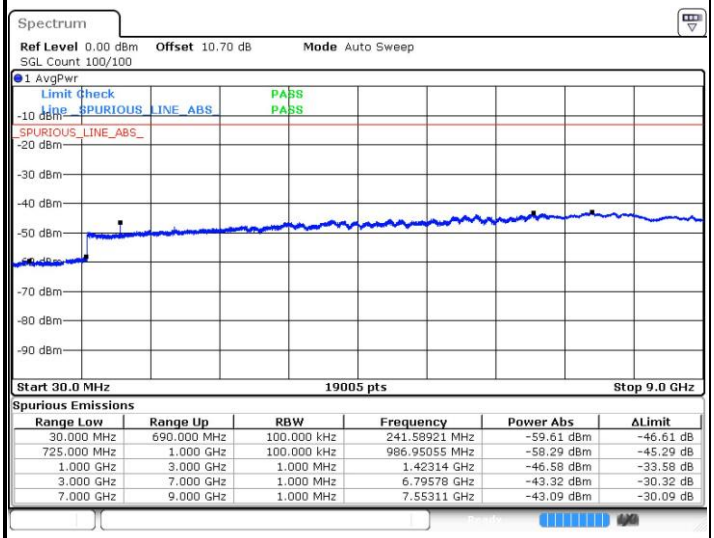


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.25937 MHz	-59.47 dBm	-46.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.48901 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-47.50 dBm	-34.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91776 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-42.96 dBm	-29.96 dB

Date: 5.SEP.2018 00:53:15

Highest Channel / 64QAM



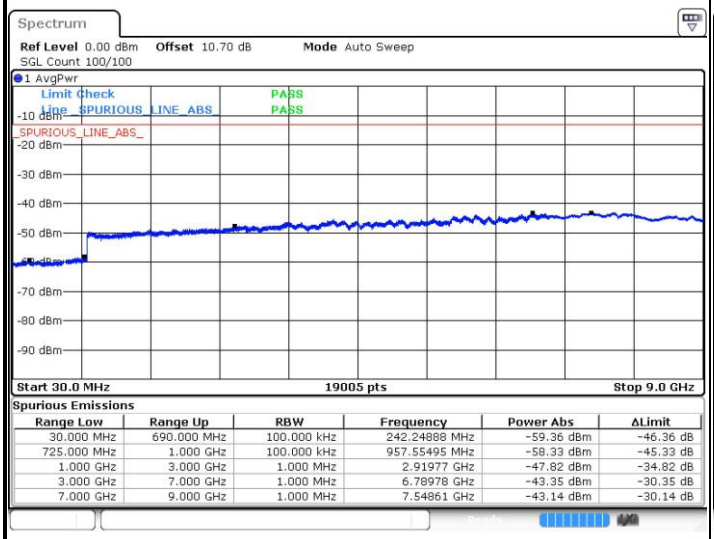
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.58921 MHz	-59.61 dBm	-46.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.95055 MHz	-58.29 dBm	-45.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79578 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.09 dBm	-30.09 dB

Date: 5.SEP.2018 00:56:48

LTE Band 17 / 10MHz

Lowest Channel / 64QAM

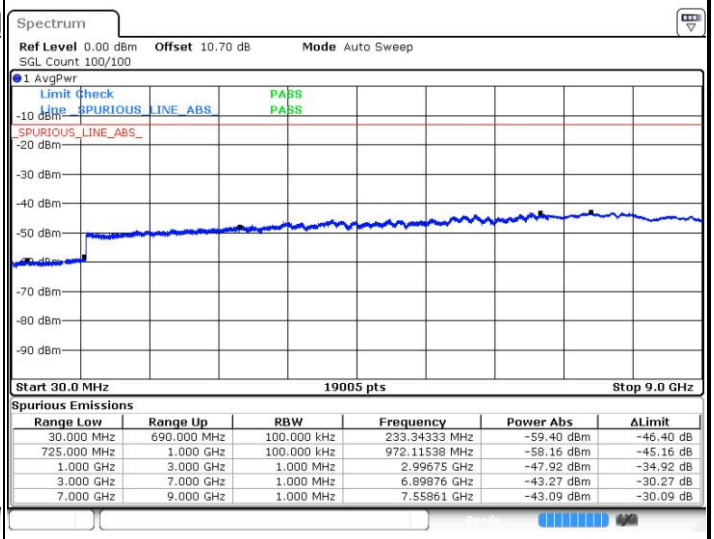


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.24888 MHz	-59.36 dBm	-46.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.55495 MHz	-58.33 dBm	-45.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.91977 GHz	-47.82 dBm	-34.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78978 GHz	-43.35 dBm	-30.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.14 dBm	-30.14 dB

Date: 5.SEP.2018 01:00:21

Middle Channel / 64QAM

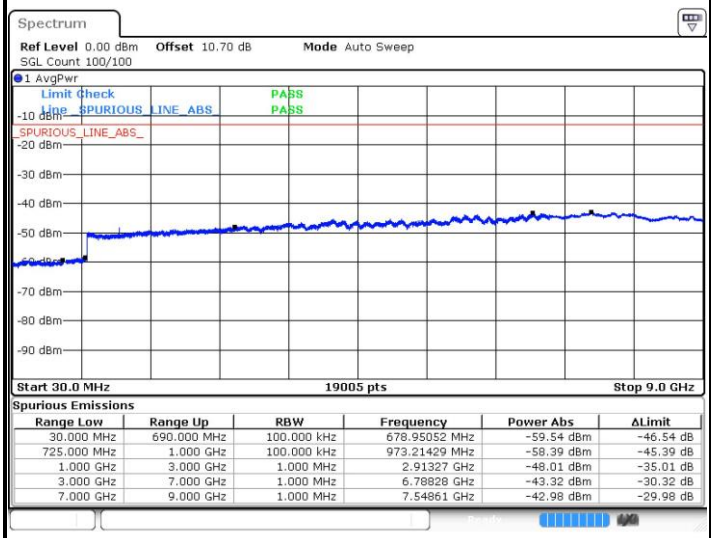


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.40 dBm	-46.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.11538 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99675 GHz	-47.92 dBm	-34.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89876 GHz	-43.27 dBm	-30.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55861 GHz	-43.09 dBm	-30.09 dB

Date: 5.SEP.2018 01:01:34

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.95052 MHz	-59.54 dBm	-46.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	973.21429 MHz	-58.39 dBm	-45.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.91327 GHz	-48.01 dBm	-35.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78828 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-42.98 dBm	-29.98 dB

Date: 5.SEP.2018 01:05:07

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0073	
20	Maximum Voltage	0.0096	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

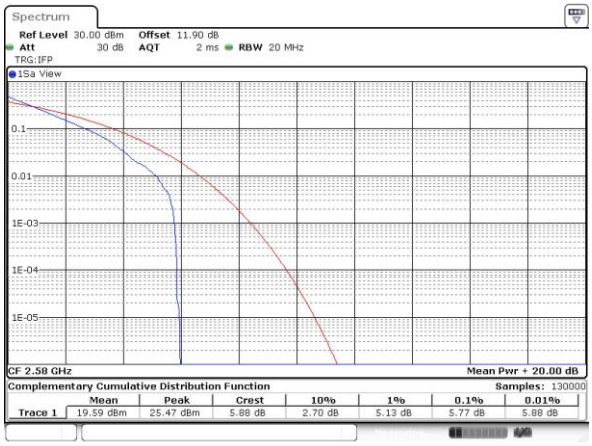
LTE Band 38

Peak-to-Average Ratio

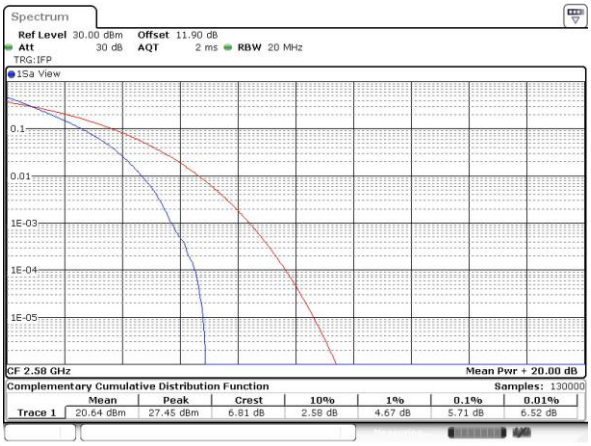
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.77	5.71	6.61	6.61	PASS
Middle CH	5.22	5.74	6.64	6.58	
Highest CH	5.04	5.65	5.97	6.52	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.81	6.81	-	-	PASS
Middle CH	6.43	6.72	-	-	
Highest CH	6.38	6.67	-	-	

LTE Band 38 / 20MHz / QPSK

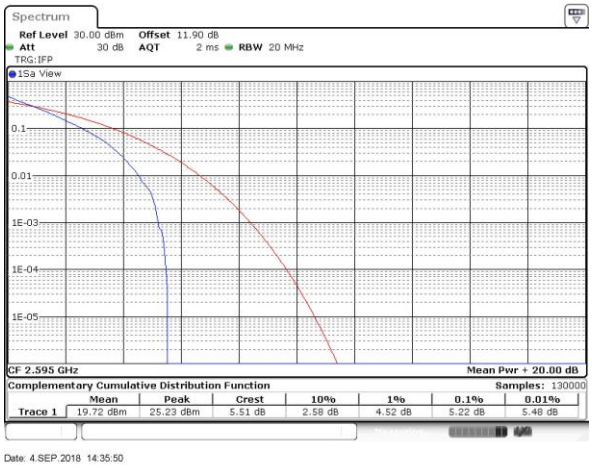
Lowest Channel / 1RB



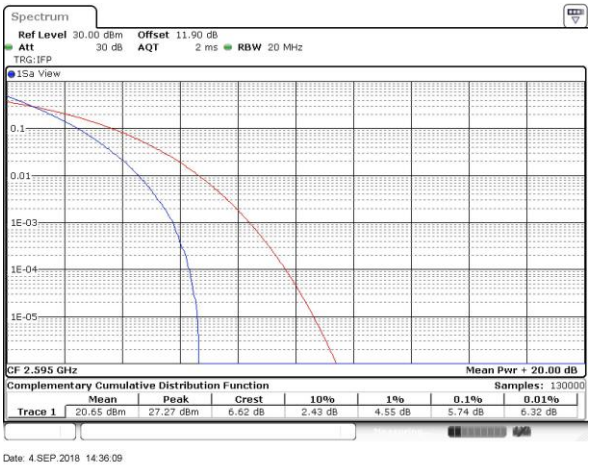
Lowest Channel / Full RB



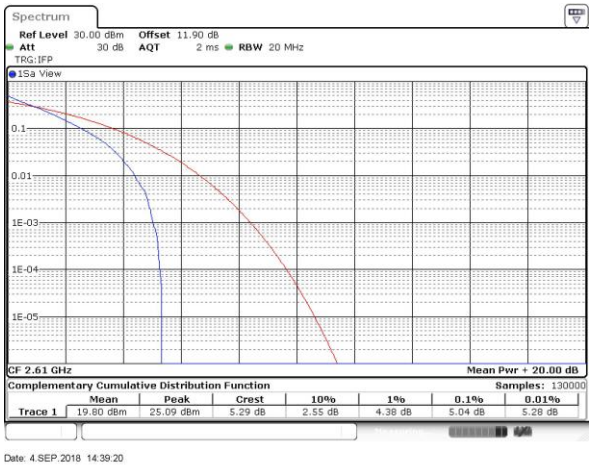
Middle Channel / 1RB



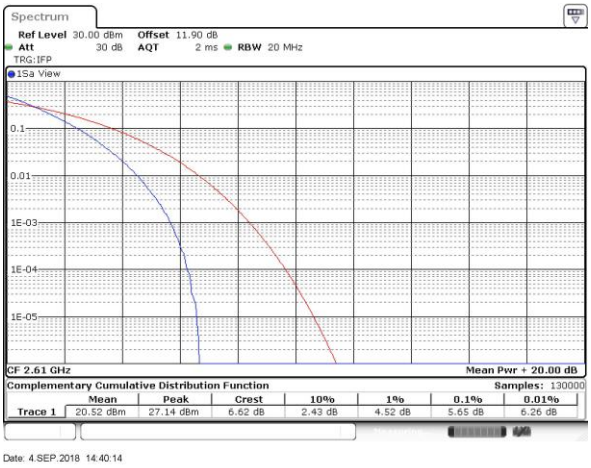
Middle Channel / Full RB



Highest Channel / 1RB

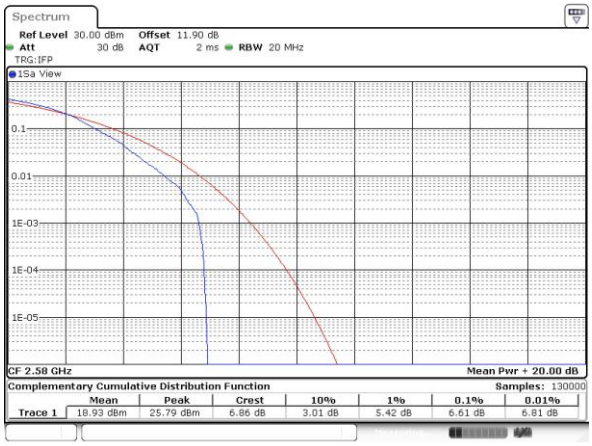


Highest Channel / Full RB

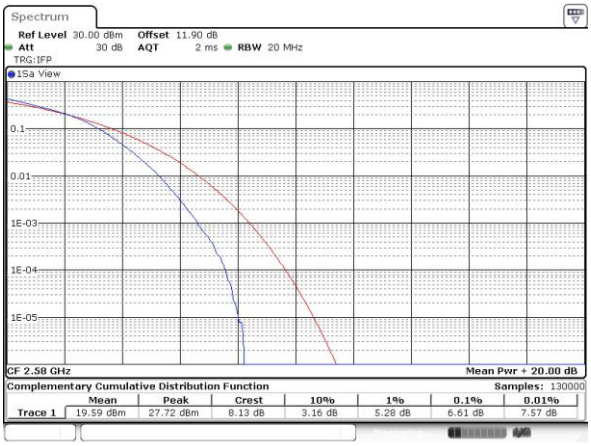


LTE Band 38 / 20MHz / 16QAM

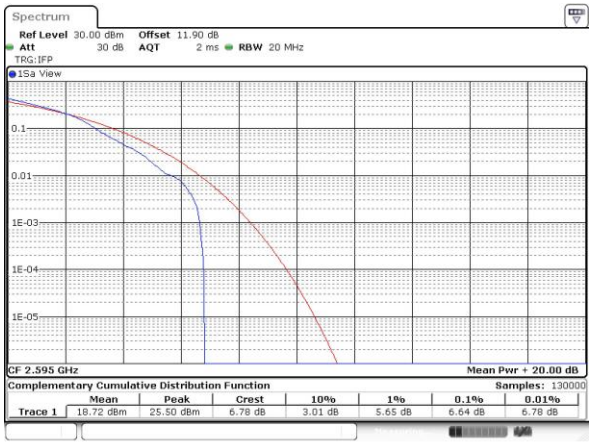
Lowest Channel / 1RB



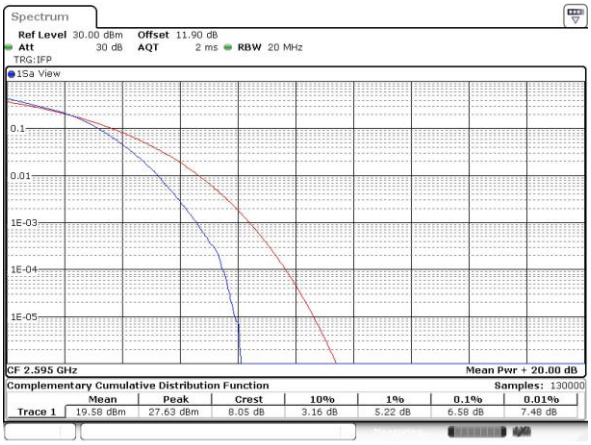
Lowest Channel / Full RB



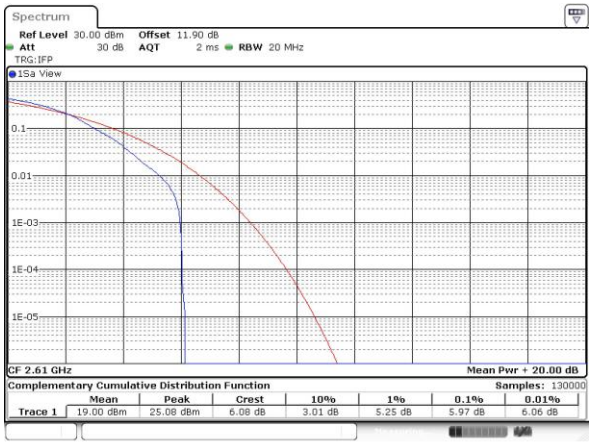
Middle Channel / 1RB



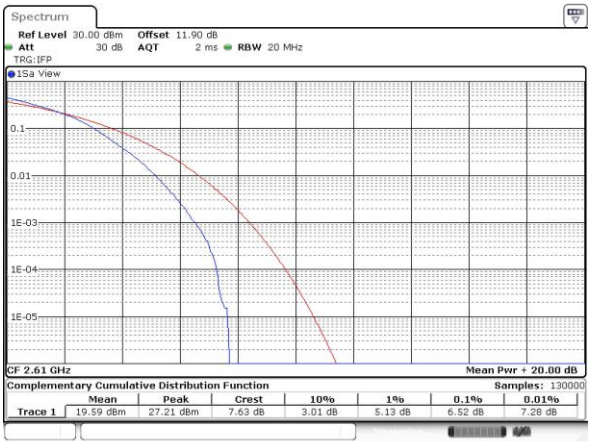
Middle Channel / Full RB



Highest Channel / 1RB

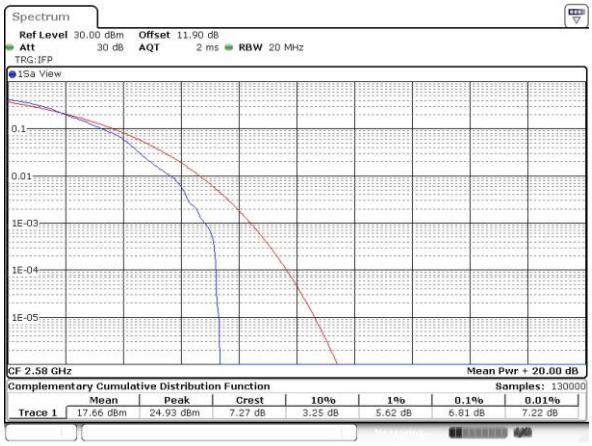


Highest Channel / Full RB

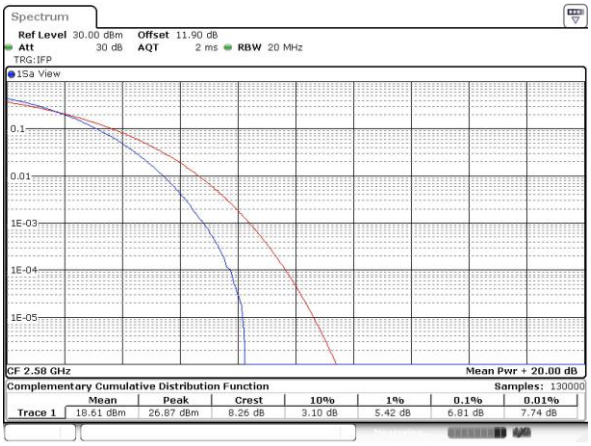


LTE Band 38 / 20MHz / 64QAM

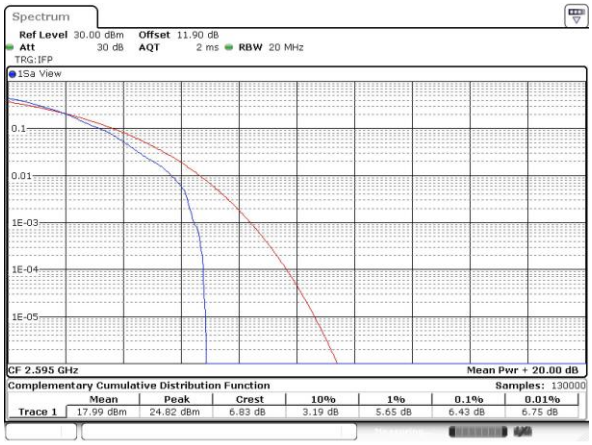
Lowest Channel / 1RB



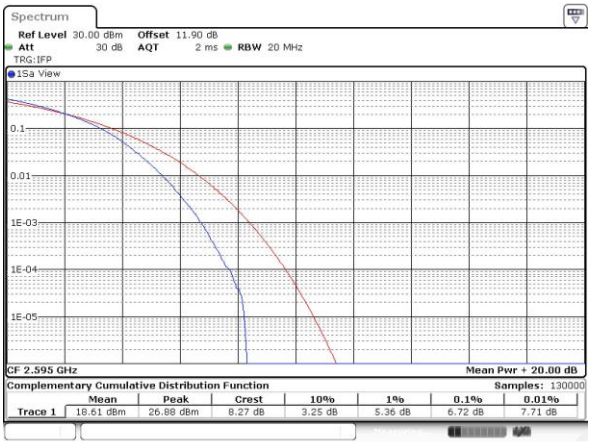
Lowest Channel / Full RB



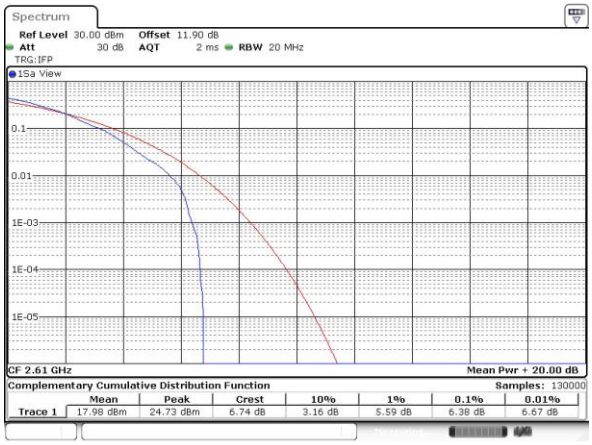
Middle Channel / 1RB



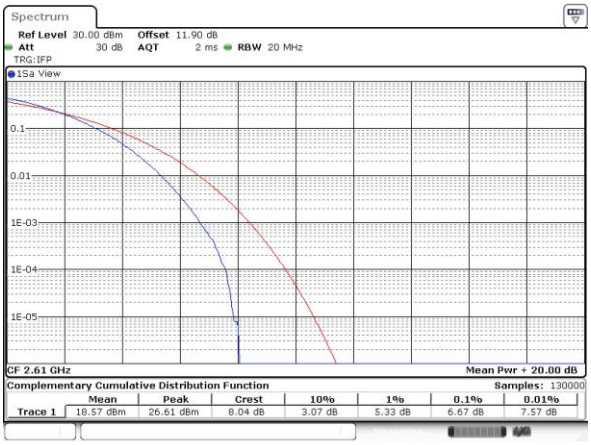
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

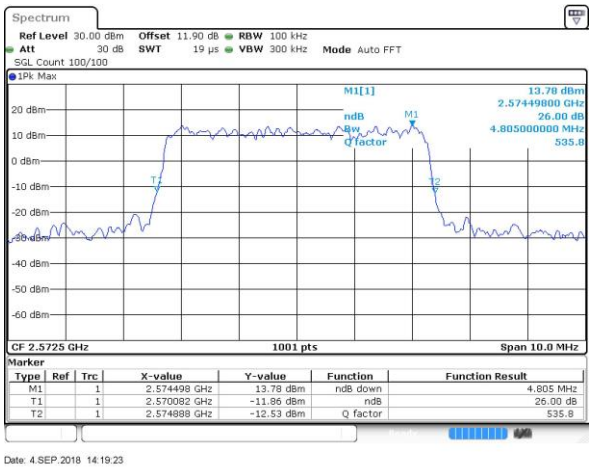


26dB Bandwidth

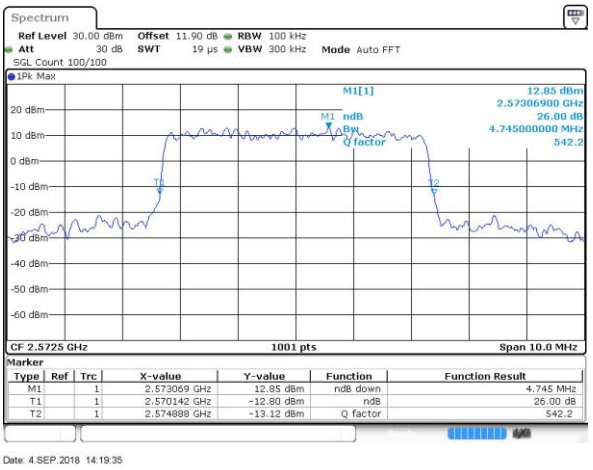
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.81	4.75	9.65	9.77	14.18	14.30	19.98	20.10
Middle CH	-	-	-	-	4.90	4.86	9.63	9.71	14.48	14.33	20.14	20.14
Highest CH	-	-	-	-	4.80	4.72	9.63	9.69	14.33	14.12	20.18	20.10
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.77	-	9.89	-	14.21	-	20.18	-
Middle CH	-	-	-	-	4.83	-	9.69	-	14.39	-	20.06	-
Highest CH	-	-	-	-	4.93	-	9.81	-	14.21	-	20.18	-

LTE Band 38

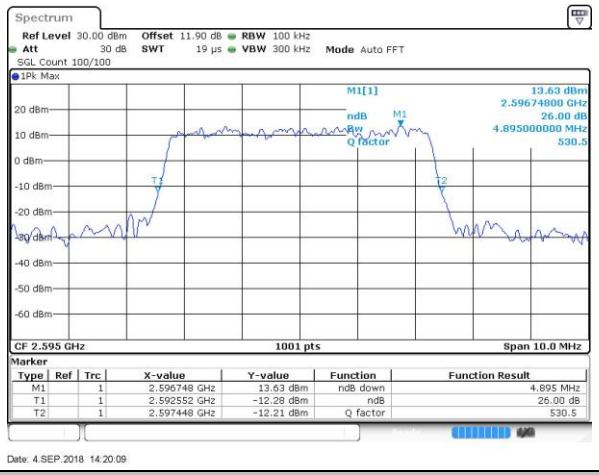
Lowest Channel / 5MHz / QPSK



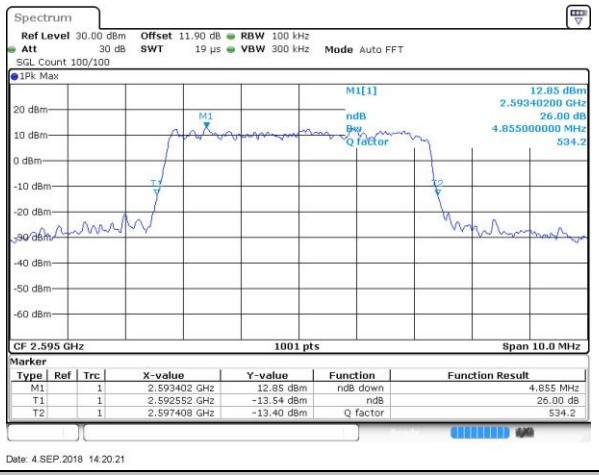
Lowest Channel / 5MHz / 16QAM



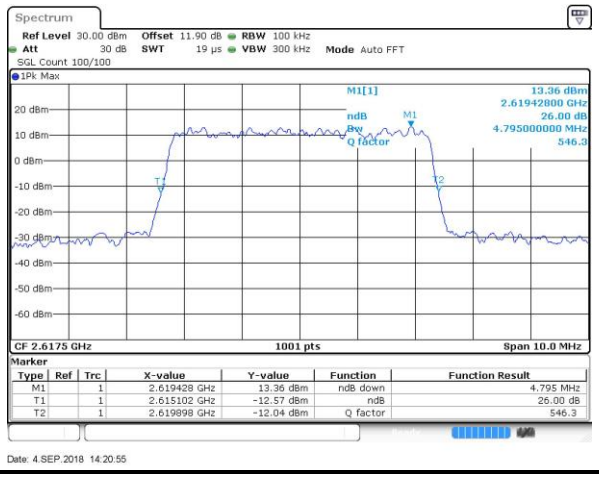
Middle Channel / 5MHz / QPSK



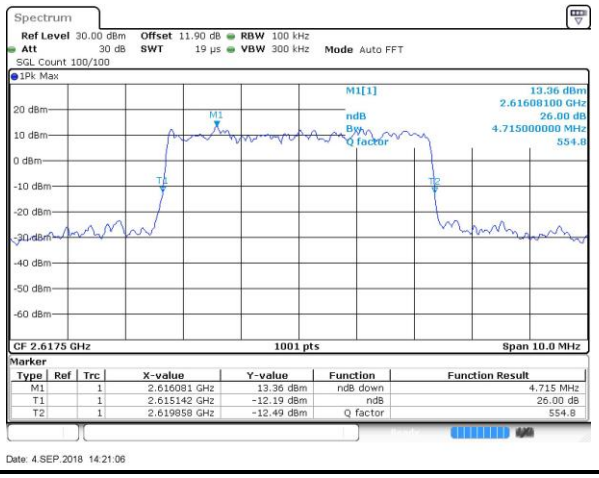
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

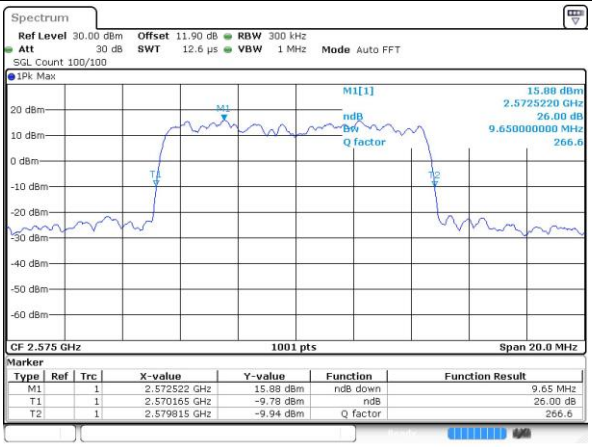


Highest Channel / 5MHz / 16QAM

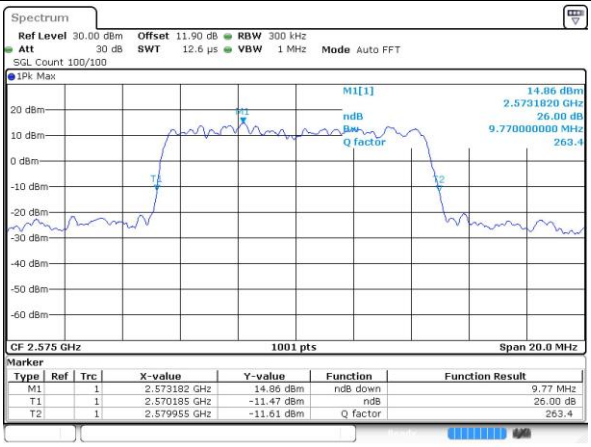


LTE Band 38

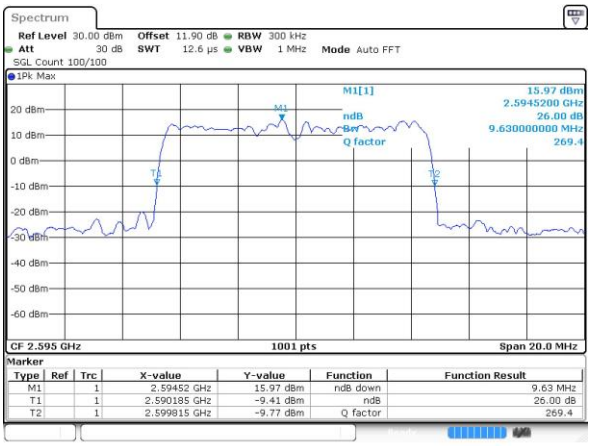
Lowest Channel / 10MHz / QPSK



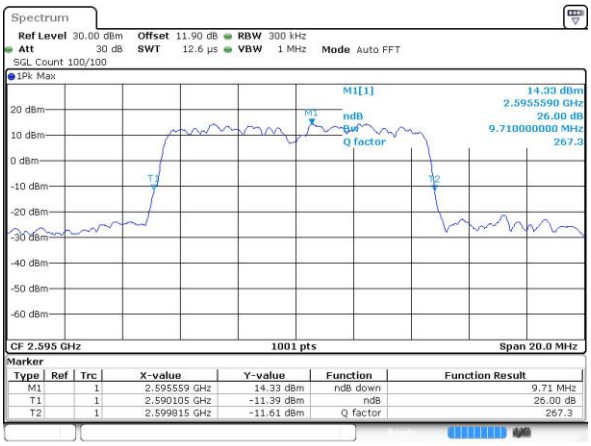
Lowest Channel / 10MHz / 16QAM



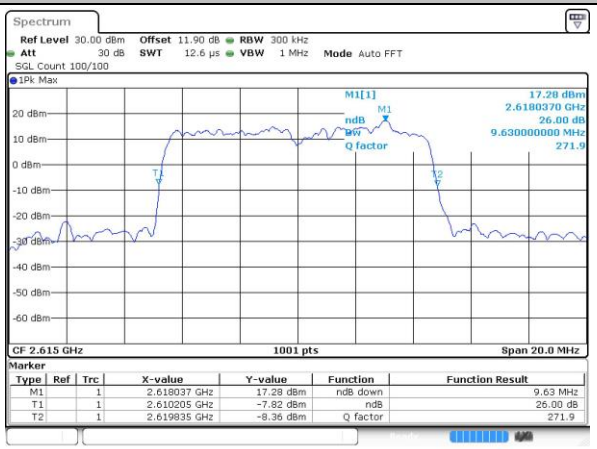
Middle Channel / 10MHz / QPSK



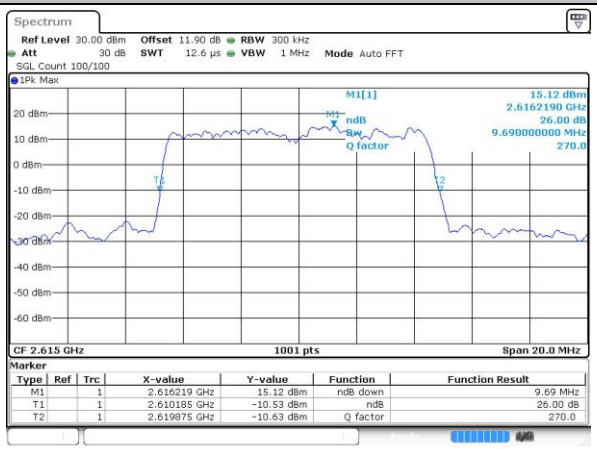
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

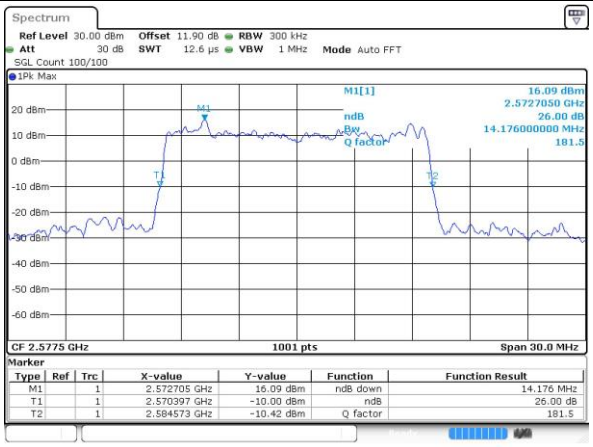


Highest Channel / 10MHz / 16QAM

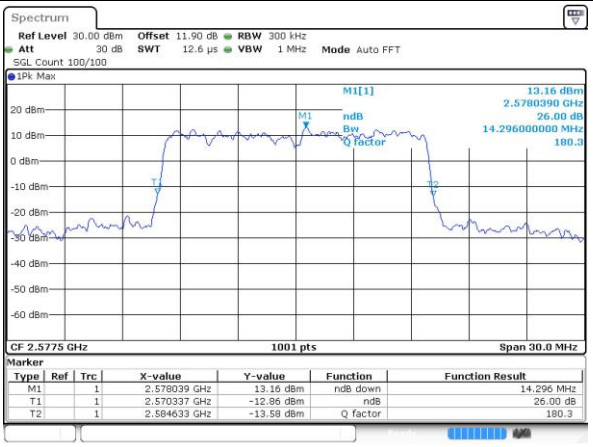


LTE Band 38

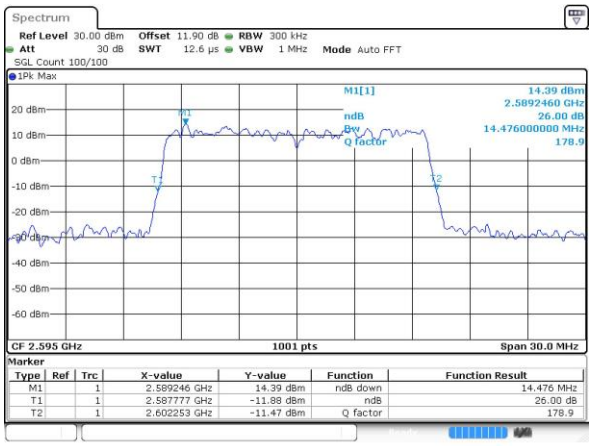
Lowest Channel / 15MHz / QPSK



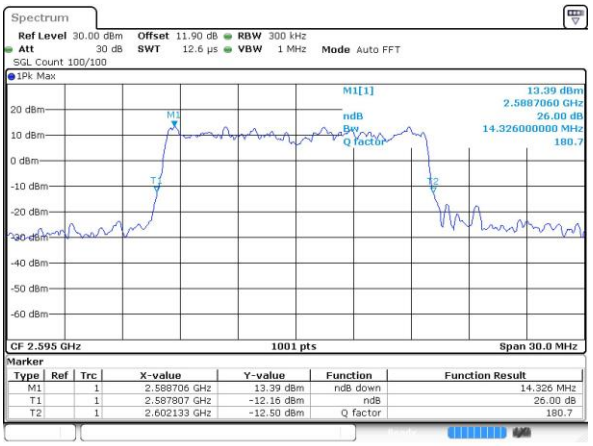
Lowest Channel / 15MHz / 16QAM



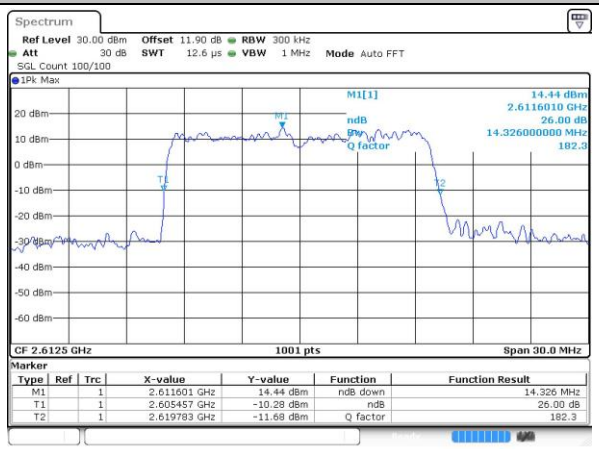
Middle Channel / 15MHz / QPSK



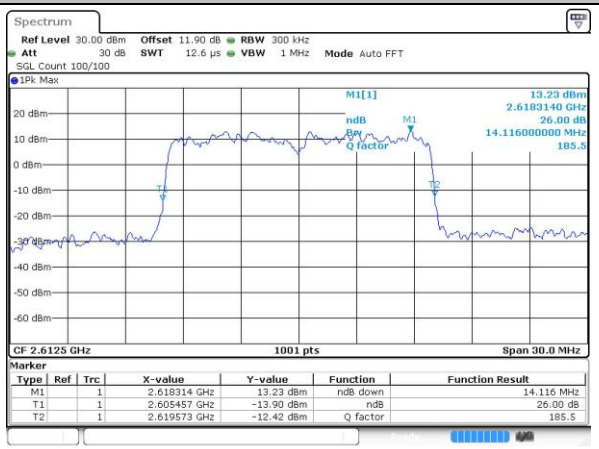
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

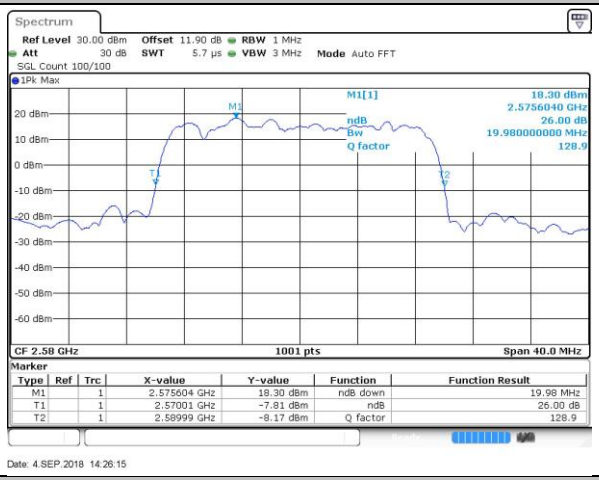


Highest Channel / 15MHz / 16QAM

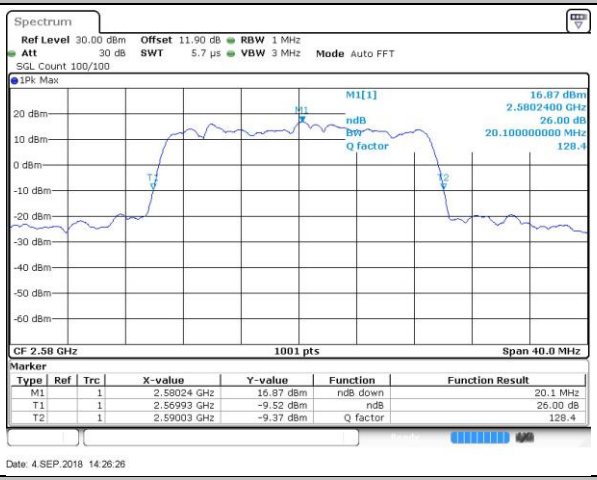


LTE Band 38

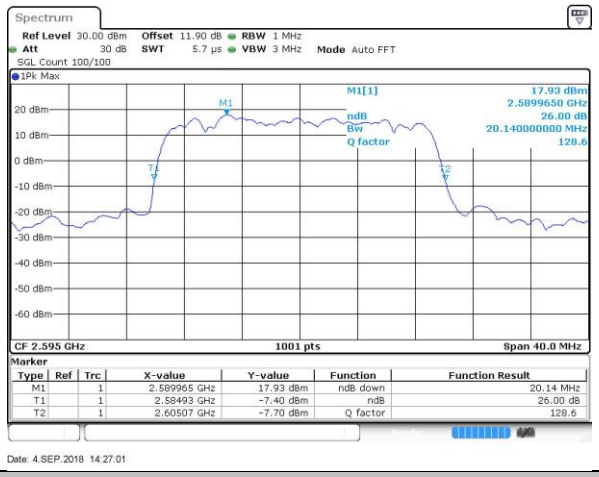
Lowest Channel / 20MHz / QPSK



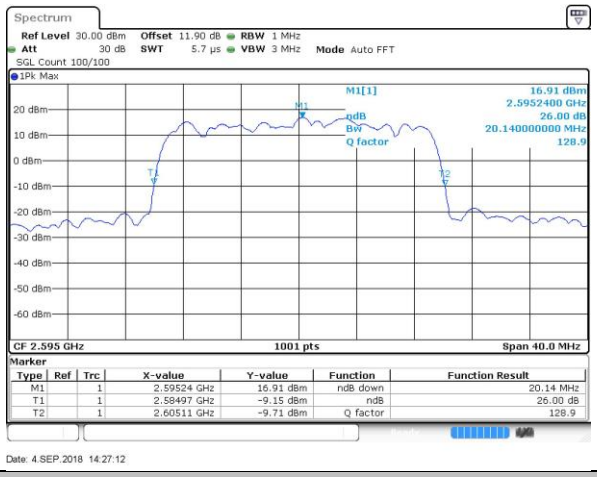
Lowest Channel / 20MHz / 16QAM



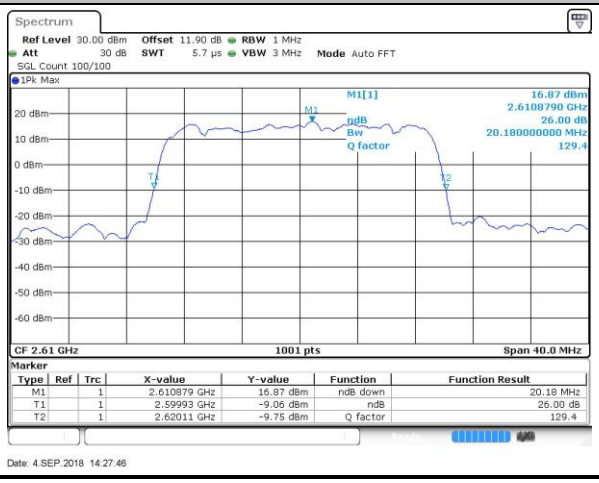
Middle Channel / 20MHz / QPSK



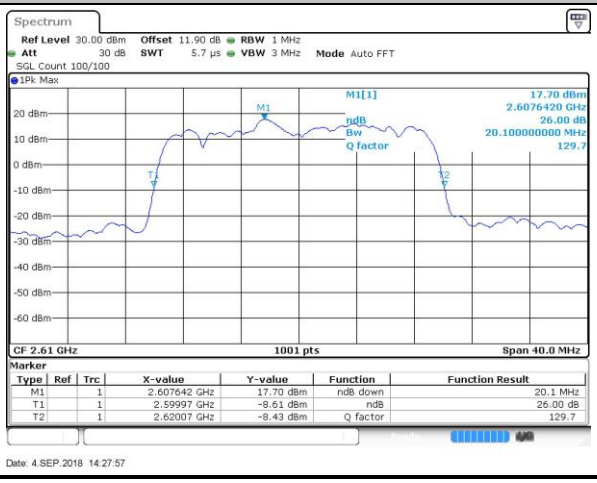
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

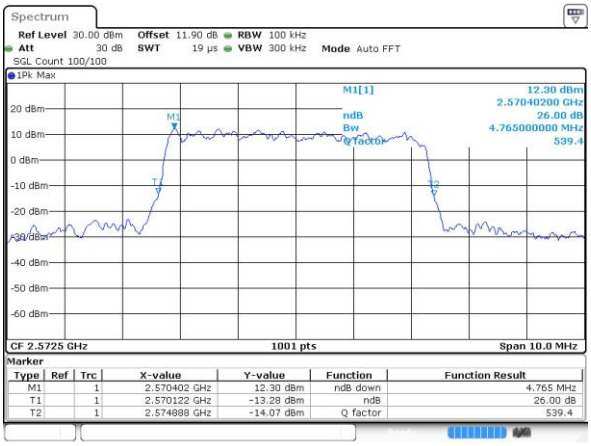


Highest Channel / 20MHz / 16QAM

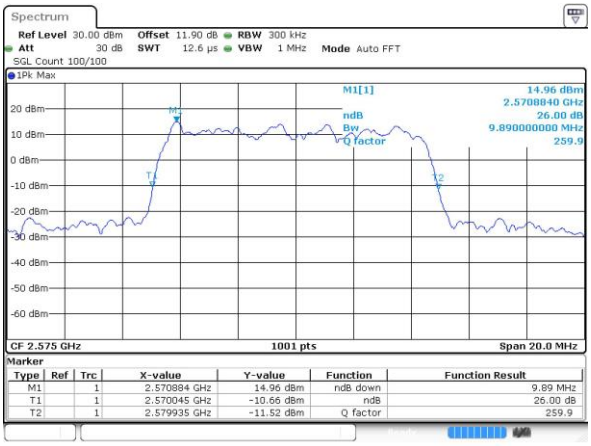


LTE Band 38

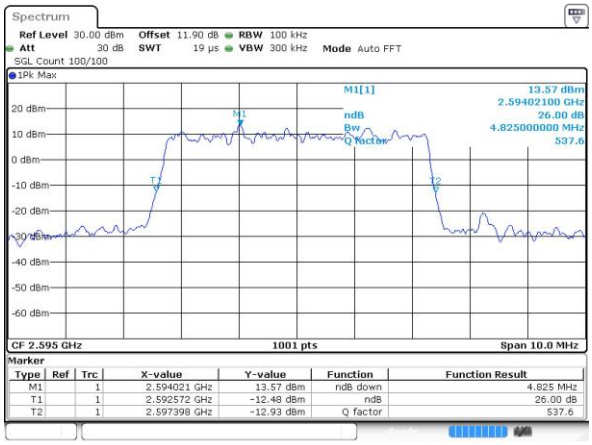
Lowest Channel / 5MHz / 64QAM



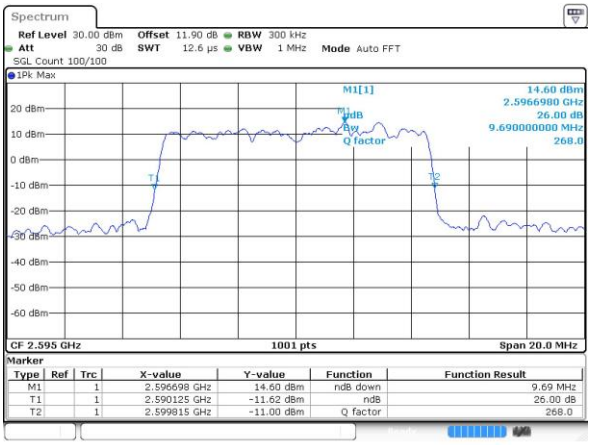
Lowest Channel / 10MHz / 64QAM



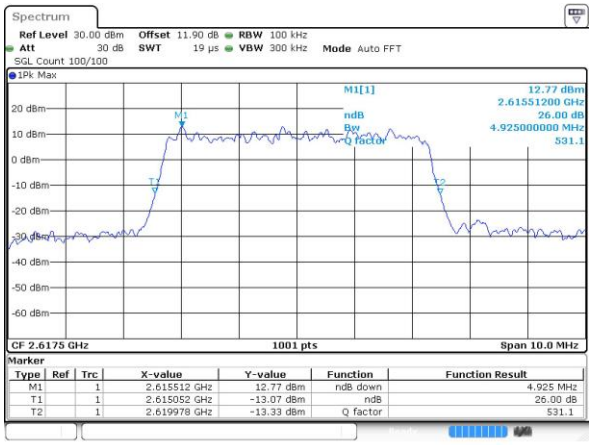
Middle Channel / 5MHz / 64QAM



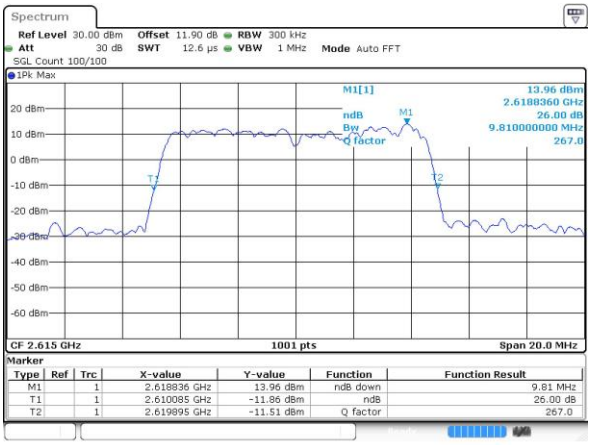
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

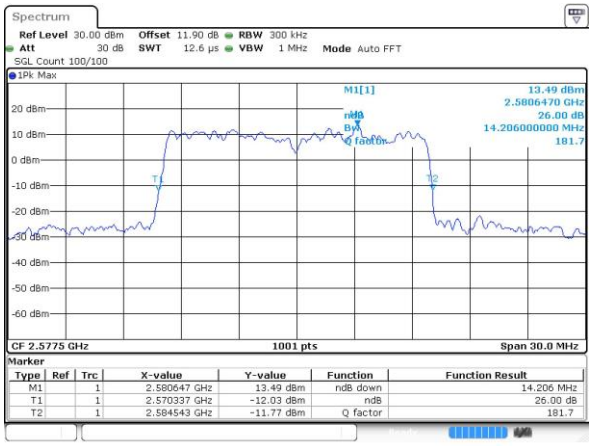


Highest Channel / 10MHz / 64QAM

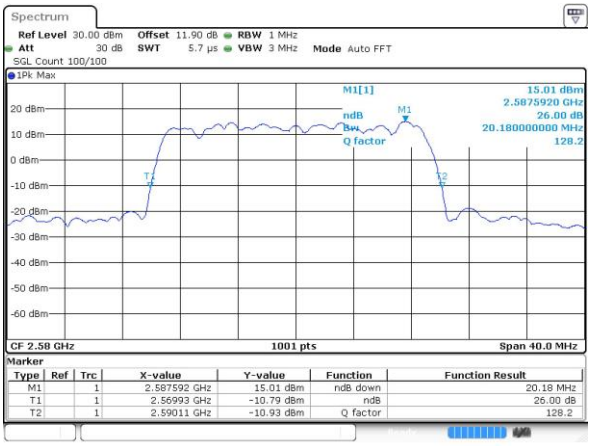


LTE Band 38

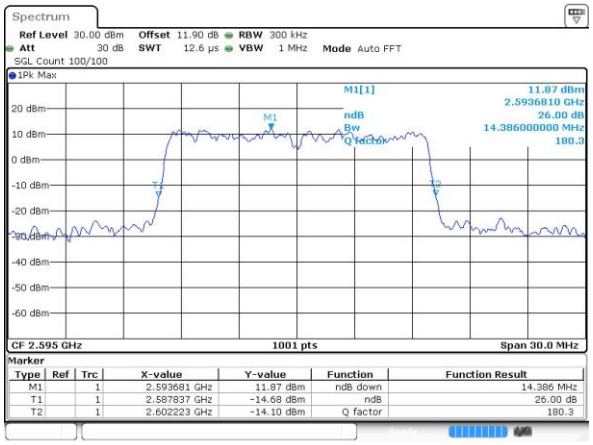
Lowest Channel / 15MHz / 64QAM



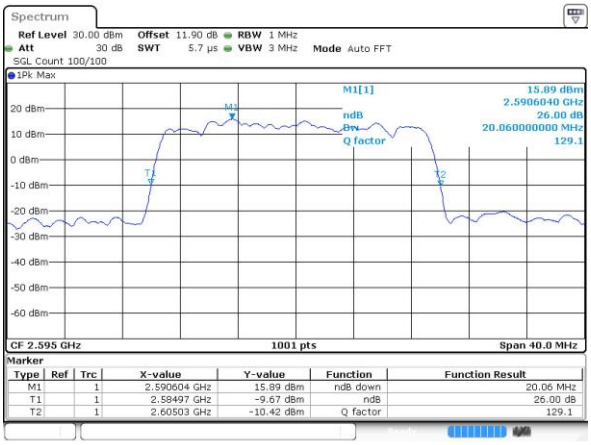
Lowest Channel / 20MHz / 64QAM



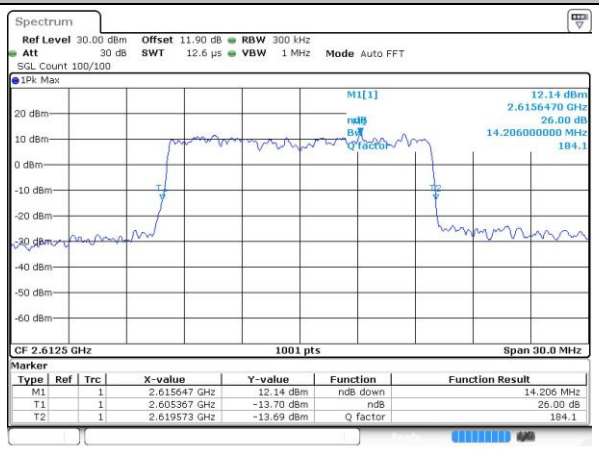
Middle Channel / 15MHz / 64QAM



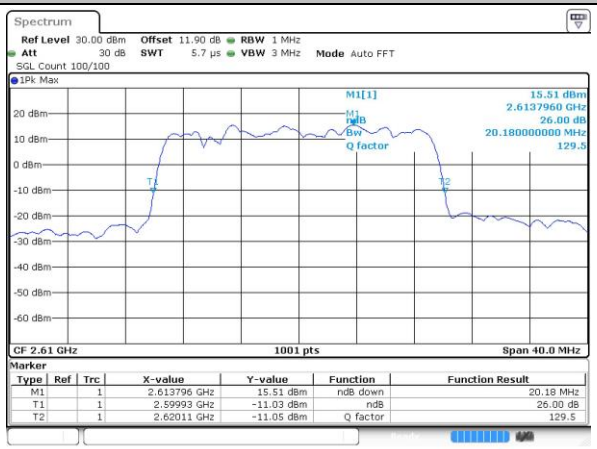
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



Occupied Bandwidth

Mode	LTE Band 38 : 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	-	-	-	-	4.49	4.48	9.05	9.05	13.46	13.46	18.3	18.3
Middle CH	-	-	-	-	4.49	4.48	9.01	8.99	13.46	13.46	18.18	18.34
Highest CH	-	-	-	-	4.48	4.5	9.01	9.03	13.49	13.46	18.22	18.46
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.52	-	9.05	-	13.43	-	18.26	-
Middle CH	-	-	-	-	4.49	-	9.03	-	13.46	-	18.46	-
Highest CH	-	-	-	-	4.49	-	9.03	-	13.49	-	18.30	-