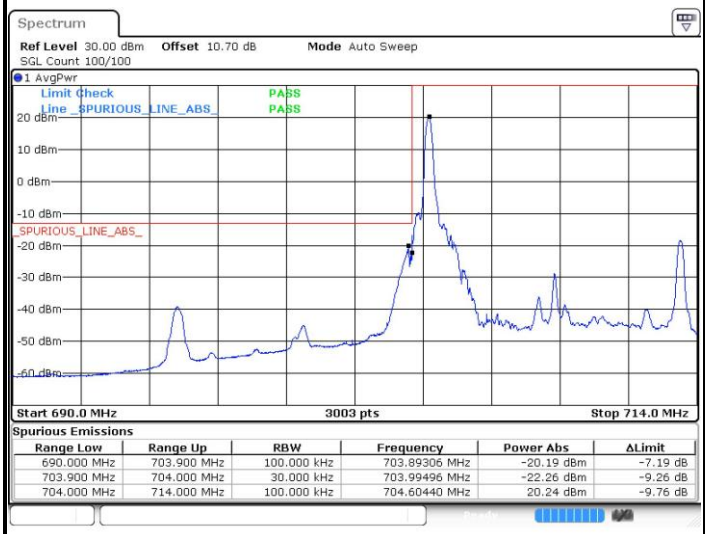
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB

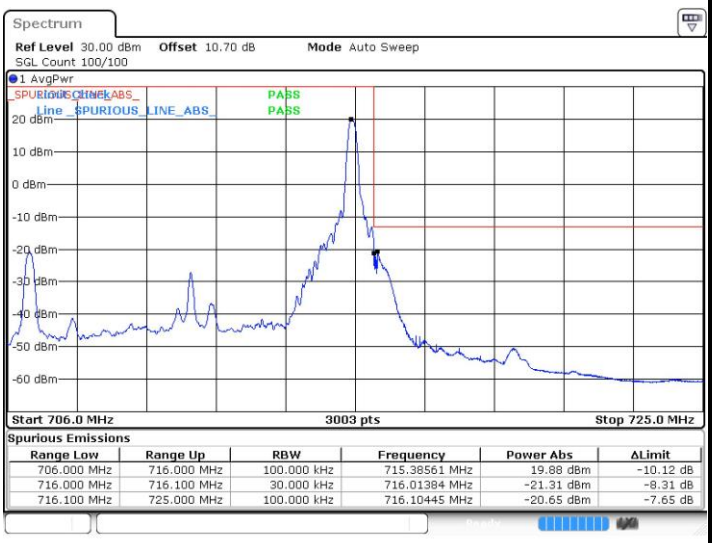


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-20.19 dBm	-7.19 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99496 MHz	-22.26 dBm	-9.26 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.60440 MHz	20.24 dBm	-9.76 dB

Date: 13.JUN.2018 10:27:50

Highest Band Edge / 1 RB

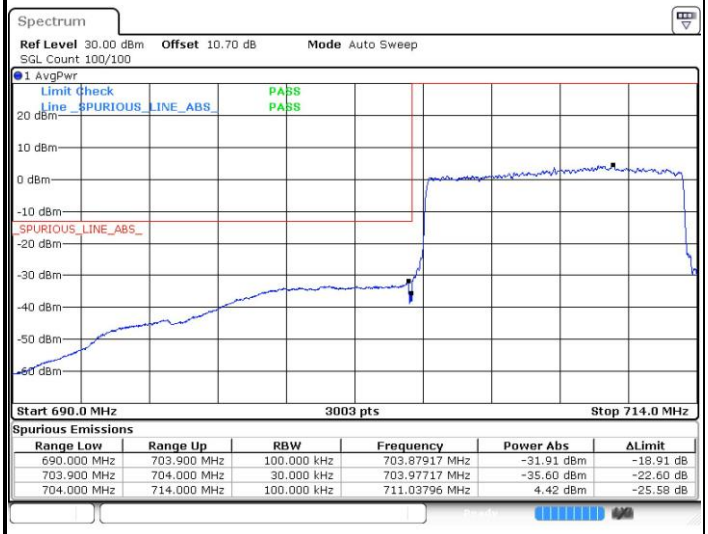


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	19.88 dBm	-10.12 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01384 MHz	-21.31 dBm	-8.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.65 dBm	-7.65 dB

Date: 13.JUN.2018 10:37:28

Lowest Band Edge / Full RB

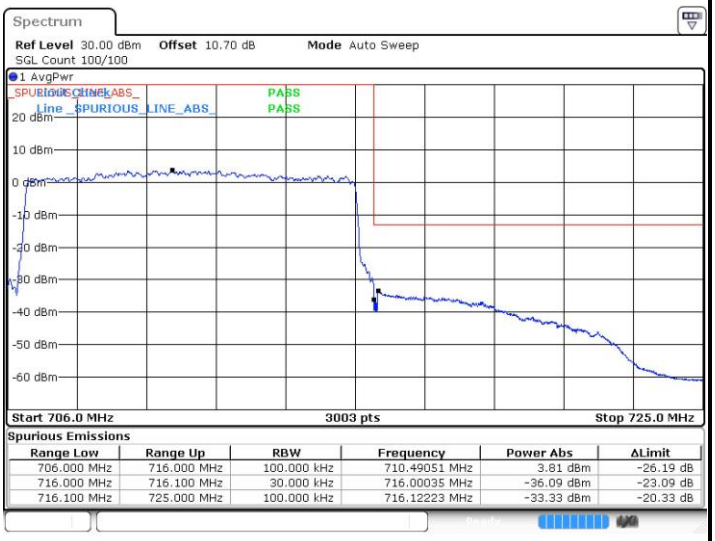


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.87917 MHz	-31.91 dBm	-18.91 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.97717 MHz	-35.60 dBm	-22.60 dB
704.000 MHz	714.000 MHz	100.000 kHz	711.03796 MHz	4.42 dBm	-25.58 dB

Date: 13.JUN.2018 10:30:08

Highest Band Edge / Full RB



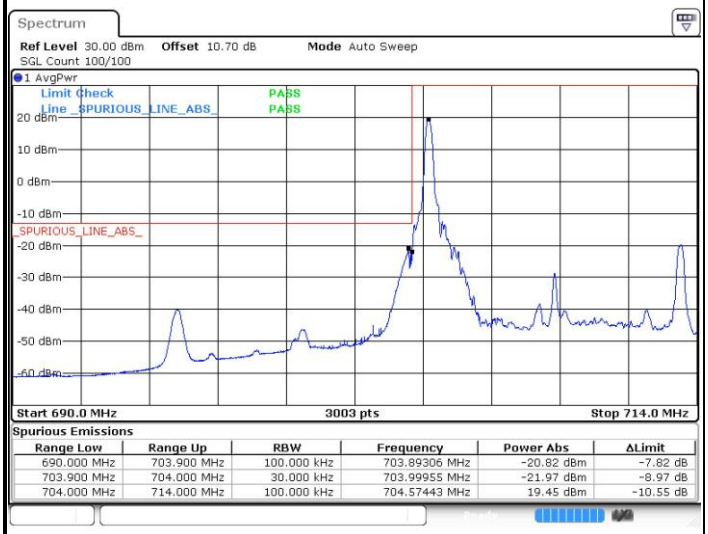
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.49051 MHz	3.81 dBm	-26.19 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-36.09 dBm	-23.09 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-33.33 dBm	-20.33 dB

Date: 13.JUN.2018 10:39:46

LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

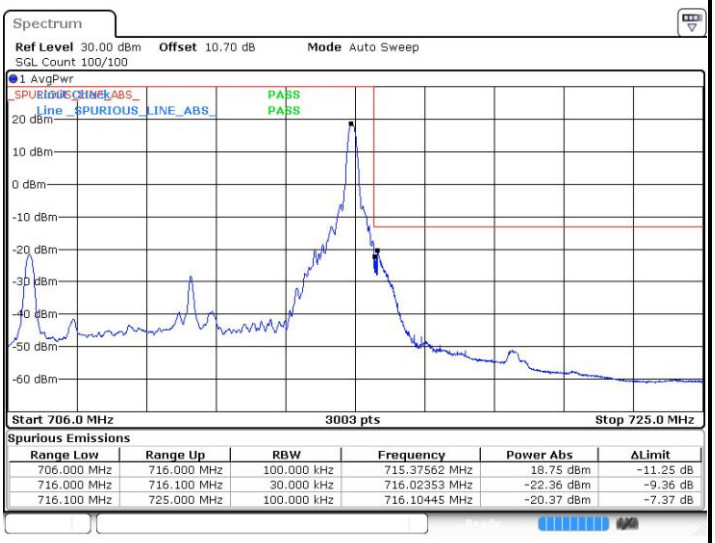


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-20.82 dBm	-7.82 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99955 MHz	-21.97 dBm	-8.97 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.57443 MHz	19.45 dBm	-10.55 dB

Date: 13.JUN.2018 10:28:59

Highest Band Edge / 1 RB

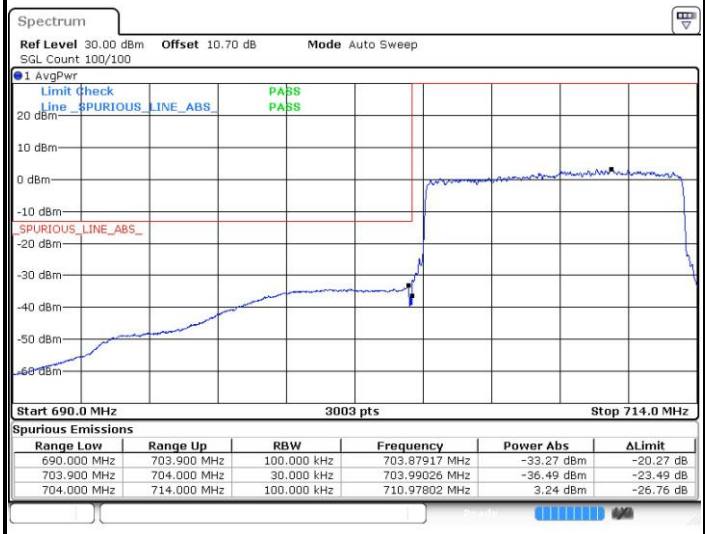


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.37562 MHz	18.75 dBm	-11.25 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02353 MHz	-22.36 dBm	-9.36 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.37 dBm	-7.37 dB

Date: 13.JUN.2018 10:38:37

Lowest Band Edge / Full RB

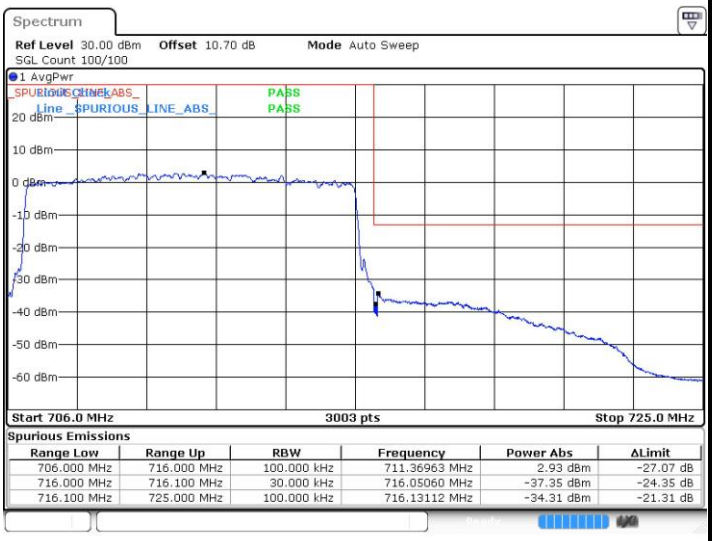


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.87917 MHz	-33.27 dBm	-20.27 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99026 MHz	-36.49 dBm	-23.49 dB
704.000 MHz	714.000 MHz	100.000 kHz	710.97802 MHz	3.24 dBm	-26.76 dB

Date: 13.JUN.2018 10:31:17

Highest Band Edge / Full RB



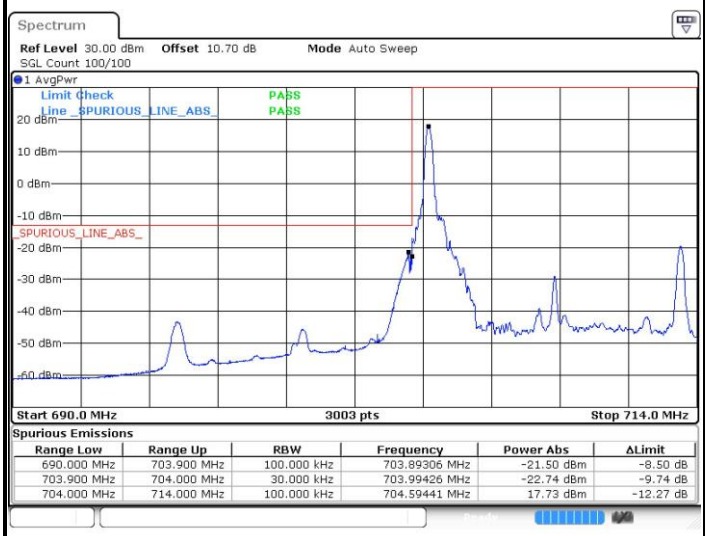
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.36963 MHz	2.93 dBm	-27.07 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.05060 MHz	-37.35 dBm	-24.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-34.31 dBm	-21.31 dB

Date: 13.JUN.2018 10:40:55

LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

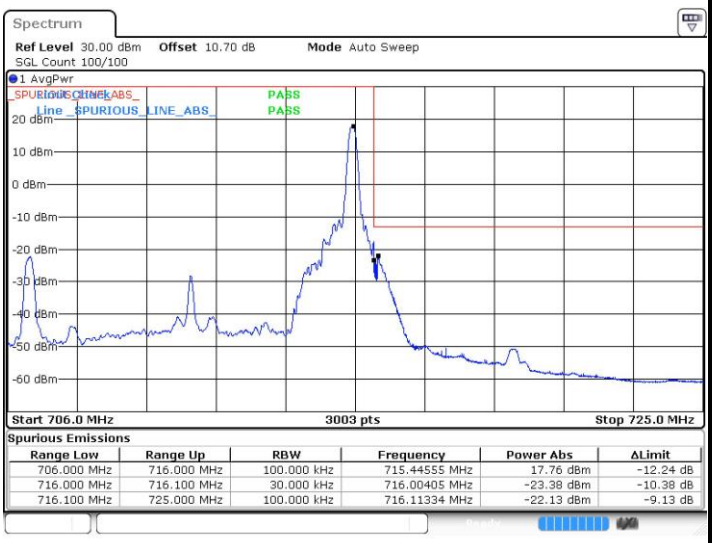


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-21.50 dBm	-8.50 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.99426 MHz	-22.74 dBm	-9.74 dB
704.000 MHz	714.000 MHz	100.000 kHz	704.59441 MHz	17.73 dBm	-12.27 dB

Date: 13.JUN.2018 10:52:37

Highest Band Edge / 1 RB

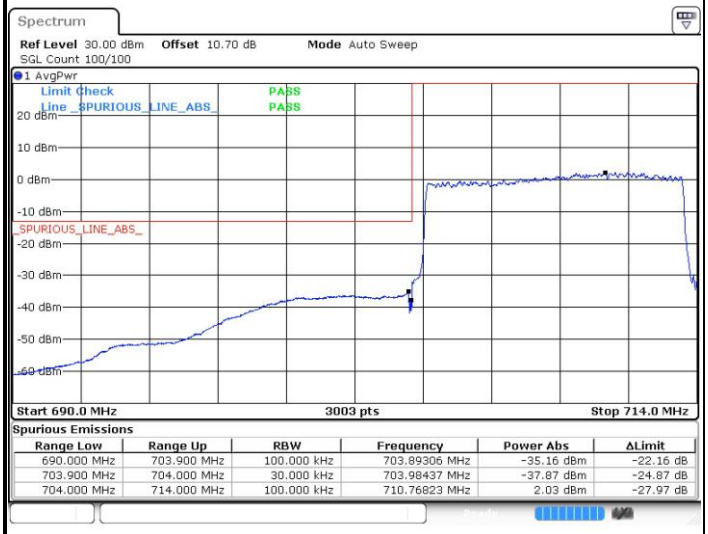


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.44555 MHz	17.76 dBm	-12.24 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00405 MHz	-23.38 dBm	-10.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-22.13 dBm	-9.13 dB

Date: 13.JUN.2018 10:57:27

Lowest Band Edge / Full RB

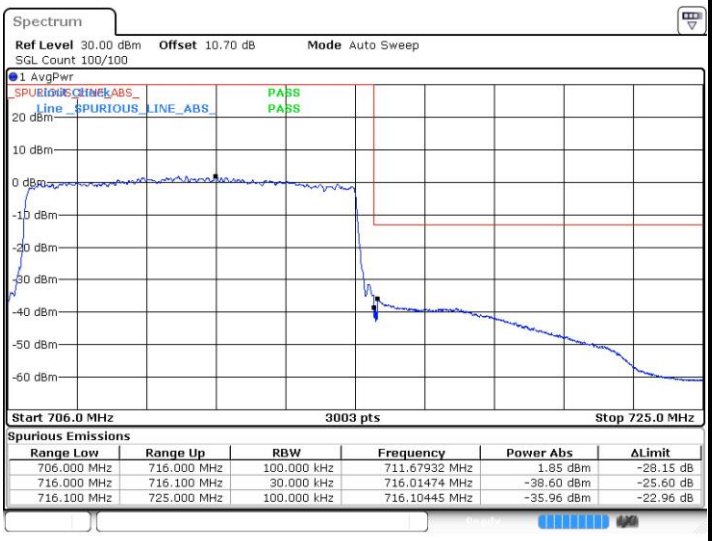


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	703.900 MHz	100.000 kHz	703.89306 MHz	-35.16 dBm	-22.16 dB
703.900 MHz	704.000 MHz	30.000 kHz	703.98437 MHz	-37.87 dBm	-24.87 dB
704.000 MHz	714.000 MHz	100.000 kHz	710.76823 MHz	2.03 dBm	-27.97 dB

Date: 13.JUN.2018 10:53:46

Highest Band Edge / Full RB



Spurious Emissions

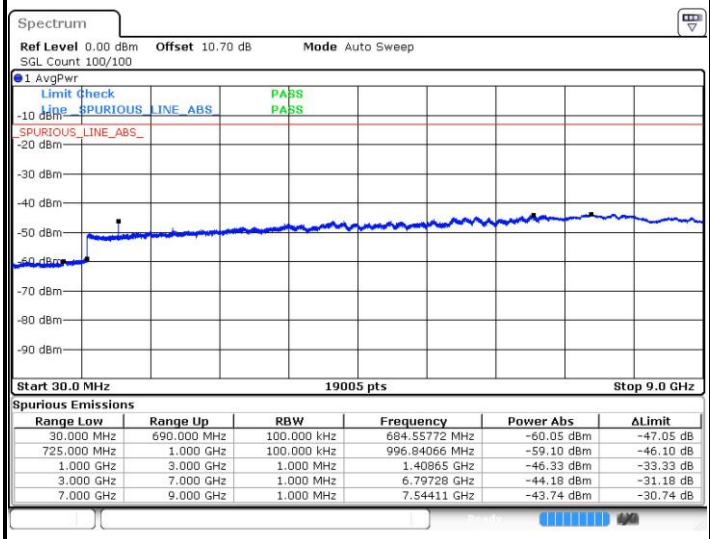
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.67932 MHz	1.85 dBm	-28.15 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01474 MHz	-38.60 dBm	-25.60 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.96 dBm	-22.96 dB

Date: 13.JUN.2018 10:58:36

Conducted Spurious Emission

LTE Band 17 / 5MHz

Lowest Channel / QPSK

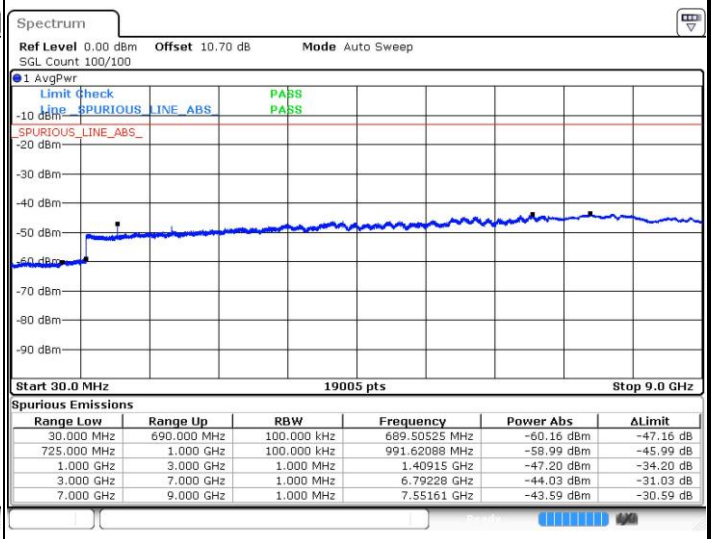


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.55772 MHz	-60.05 dBm	-47.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-59.10 dBm	-46.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40865 GHz	-46.33 dBm	-33.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79728 GHz	-44.18 dBm	-31.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.74 dBm	-30.74 dB

Date: 13.JUN.2018 10:15:26

Lowest Channel / 16QAM

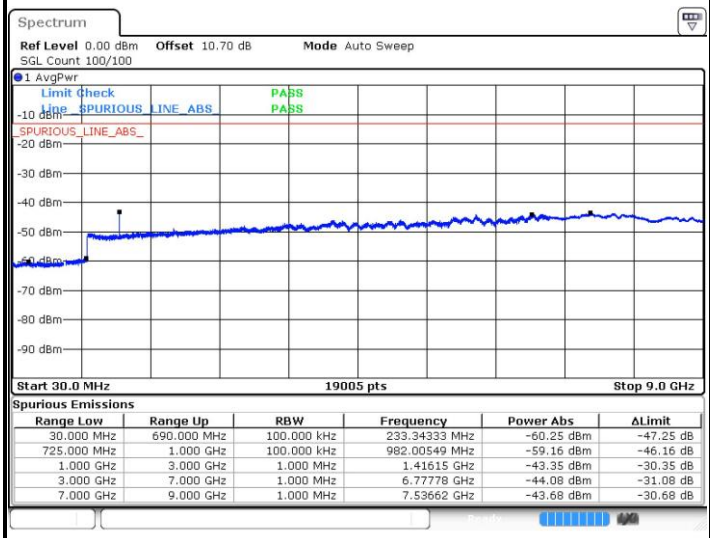


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-60.16 dBm	-47.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.62088 MHz	-58.99 dBm	-45.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40915 GHz	-47.20 dBm	-34.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-44.03 dBm	-31.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-43.59 dBm	-30.59 dB

Date: 13.JUN.2018 10:16:21

Middle Channel / QPSK

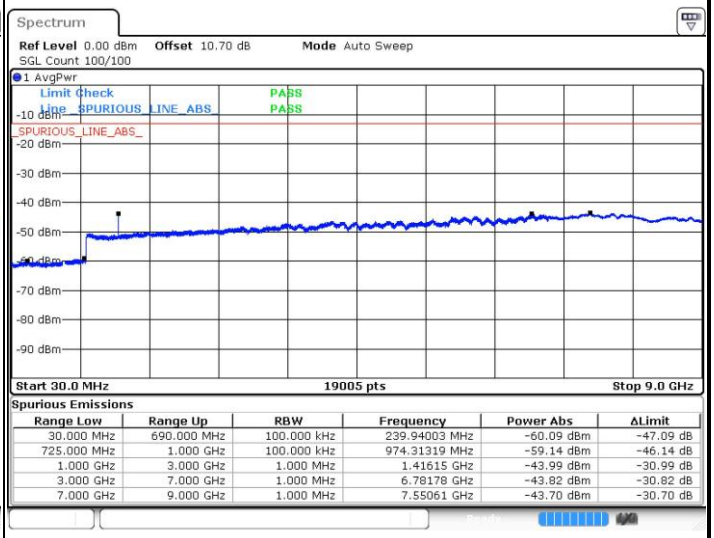


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-60.25 dBm	-47.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.00549 MHz	-59.16 dBm	-46.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-43.35 dBm	-30.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77778 GHz	-44.08 dBm	-31.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53662 GHz	-43.68 dBm	-30.68 dB

Date: 13.JUN.2018 10:17:57

Middle Channel / 16QAM



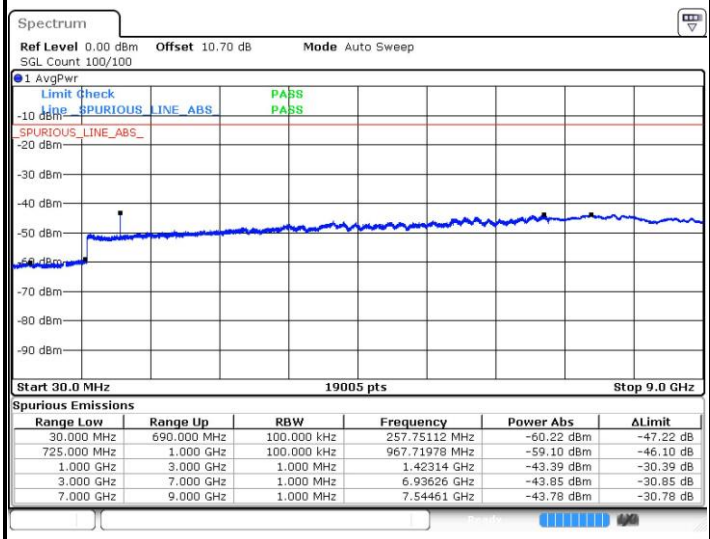
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.94003 MHz	-60.09 dBm	-47.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.31319 MHz	-59.14 dBm	-46.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-43.99 dBm	-30.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78178 GHz	-43.82 dBm	-30.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.70 dBm	-30.70 dB

Date: 13.JUN.2018 10:18:51

LTE Band 17 / 5MHz

Highest Channel / QPSK

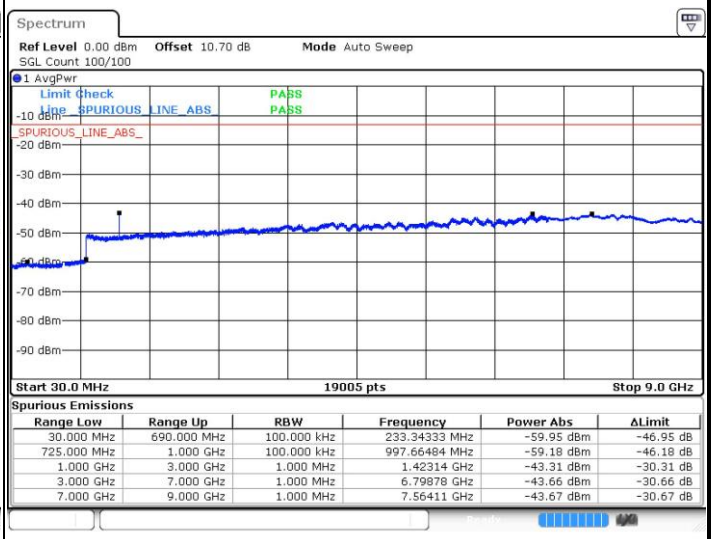


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	257.75112 MHz	-60.22 dBm	-47.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.71978 MHz	-59.10 dBm	-46.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.39 dBm	-30.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93626 GHz	-43.85 dBm	-30.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.78 dBm	-30.78 dB

Date: 13.JUN.2018 10:25:05

Highest Channel / 16QAM



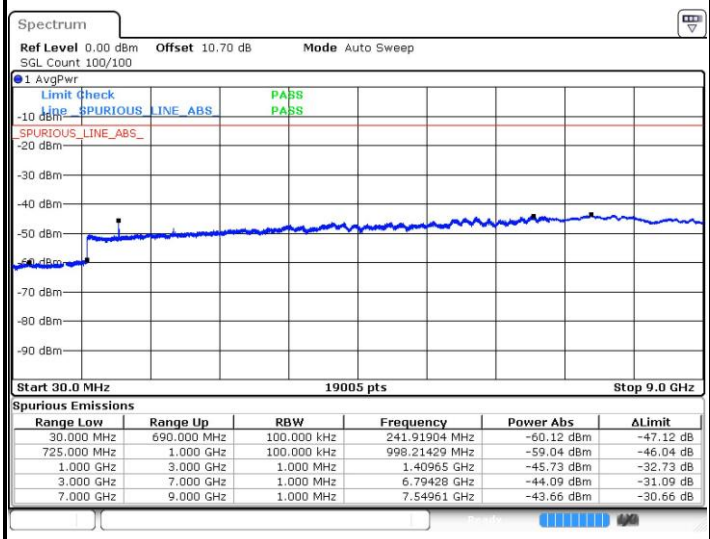
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.95 dBm	-46.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-59.18 dBm	-46.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.31 dBm	-30.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-43.66 dBm	-30.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56411 GHz	-43.67 dBm	-30.67 dB

Date: 13.JUN.2018 10:25:59

LTE Band 17 / 10MHz

Lowest Channel / QPSK

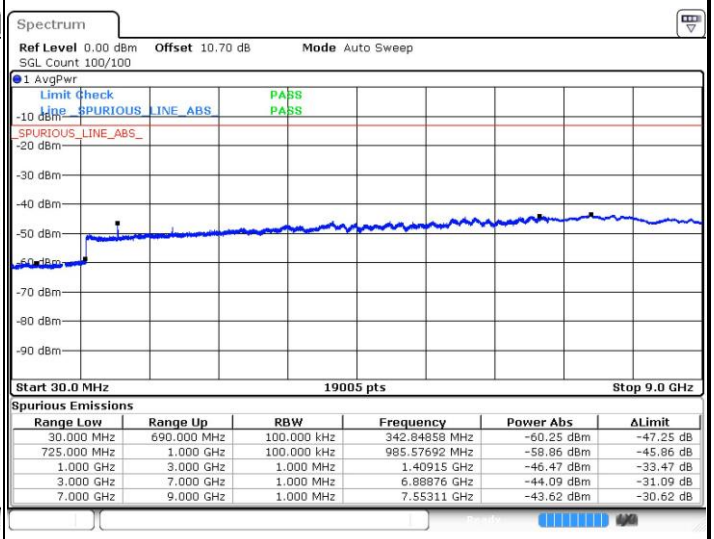


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.91904 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40965 GHz	-45.73 dBm	-32.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-44.09 dBm	-31.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.66 dBm	-30.66 dB

Date: 13.JUN.2018 10:32:12

Lowest Channel / 16QAM



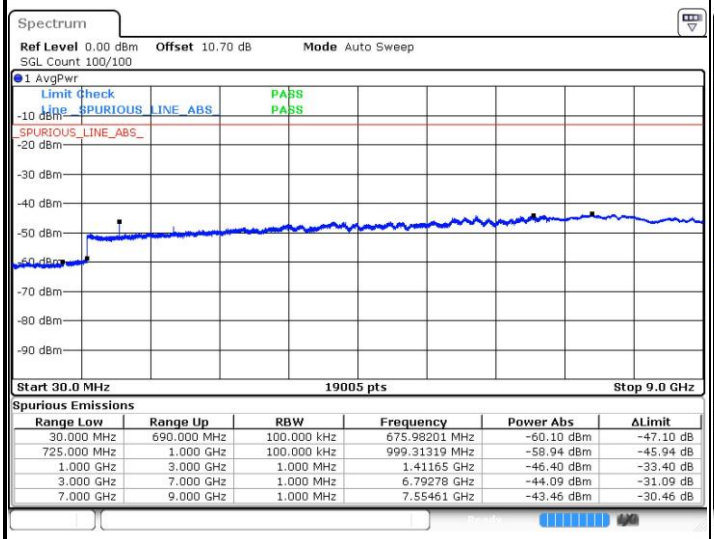
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	342.84858 MHz	-60.25 dBm	-47.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	985.57692 MHz	-58.86 dBm	-45.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40915 GHz	-46.47 dBm	-33.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88876 GHz	-44.09 dBm	-31.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.62 dBm	-30.62 dB

Date: 13.JUN.2018 10:33:06

LTE Band 17 / 10MHz

Middle Channel / QPSK

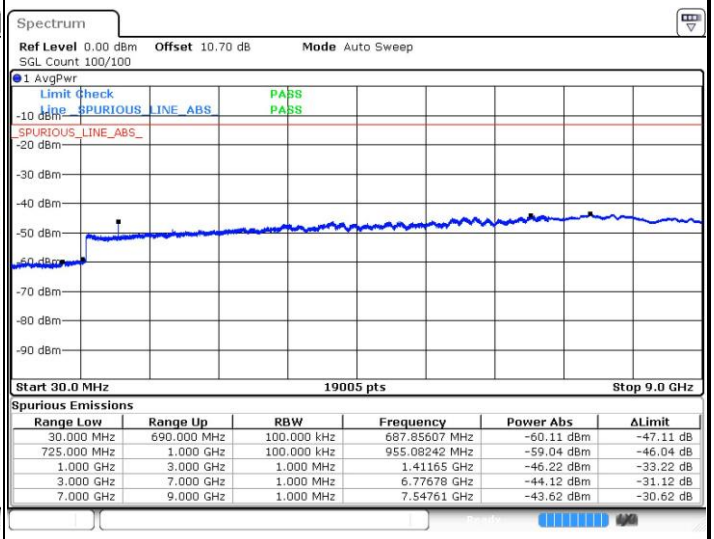


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	675.98201 MHz	-60.10 dBm	-47.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.31319 MHz	-58.94 dBm	-45.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41165 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-44.09 dBm	-31.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-43.46 dBm	-30.46 dB

Date: 13.JUN.2018 10:34:43

Middle Channel / 16QAM

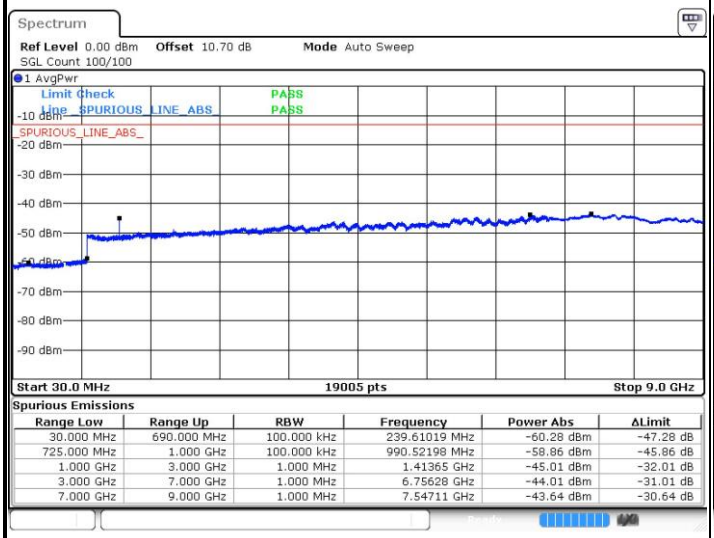


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-60.11 dBm	-47.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	955.08242 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41165 GHz	-46.22 dBm	-33.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77678 GHz	-44.12 dBm	-31.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.62 dBm	-30.62 dB

Date: 13.JUN.2018 10:35:37

Highest Channel / QPSK

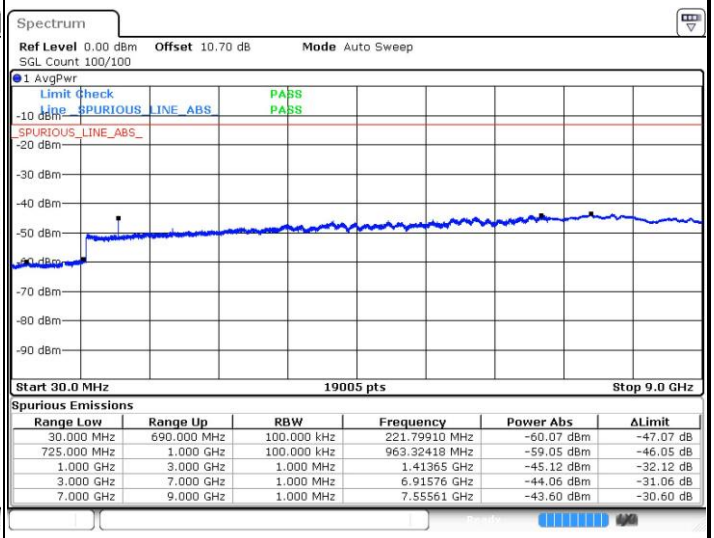


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.61019 MHz	-60.28 dBm	-47.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.52198 MHz	-58.86 dBm	-45.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.01 dBm	-32.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75628 GHz	-44.01 dBm	-31.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.64 dBm	-30.64 dB

Date: 13.JUN.2018 10:41:50

Highest Channel / 16QAM



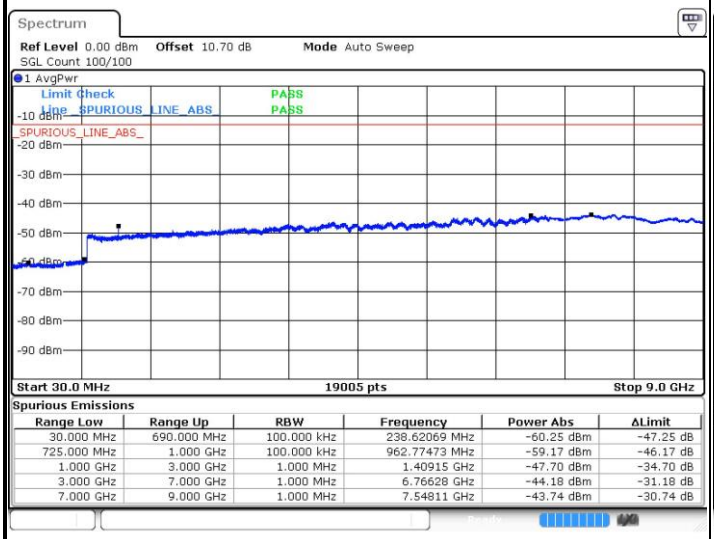
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	221.79910 MHz	-60.07 dBm	-47.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	963.32418 MHz	-59.05 dBm	-46.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-44.06 dBm	-31.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-43.60 dBm	-30.60 dB

Date: 13.JUN.2018 10:42:44

LTE Band 17 / 5MHz

Lowest Channel / 64QAM

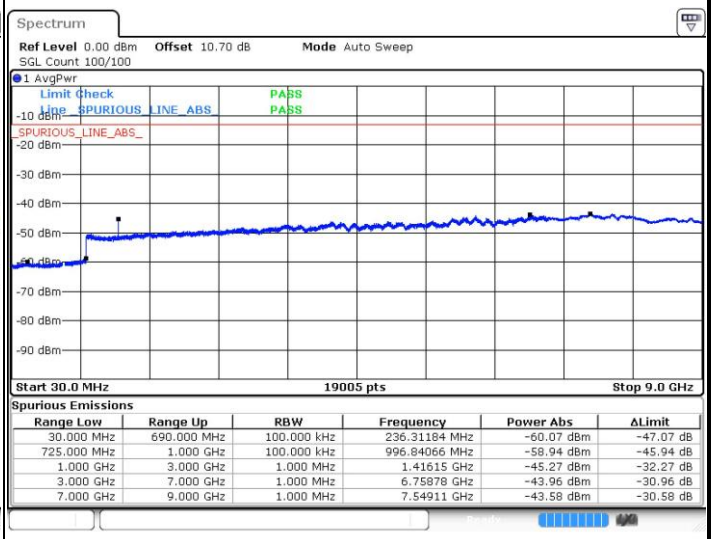


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.62069 MHz	-60.25 dBm	-47.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.77473 MHz	-59.17 dBm	-46.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40915 GHz	-47.70 dBm	-34.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76628 GHz	-44.18 dBm	-31.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.74 dBm	-30.74 dB

Date: 13.JUN.2018 10:46:18

Middle Channel / 64QAM

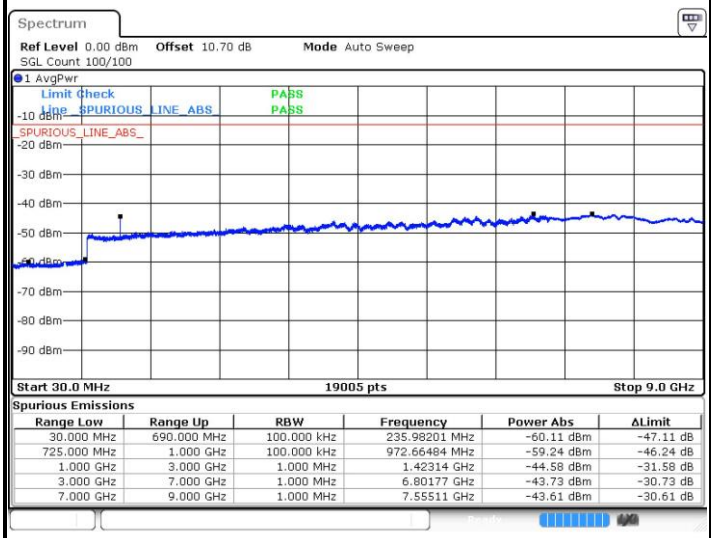


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.31184 MHz	-60.07 dBm	-47.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-58.94 dBm	-45.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41615 GHz	-45.27 dBm	-32.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75878 GHz	-43.96 dBm	-30.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.58 dBm	-30.58 dB

Date: 13.JUN.2018 10:47:33

Highest Channel / 64QAM



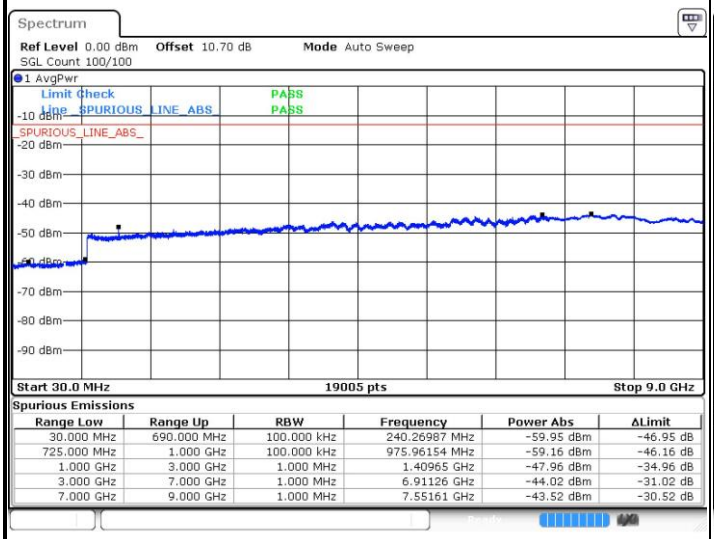
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-60.11 dBm	-47.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.66484 MHz	-59.24 dBm	-46.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.58 dBm	-31.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80177 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.61 dBm	-30.61 dB

Date: 13.JUN.2018 10:51:07

LTE Band 17 / 10MHz

Lowest Channel / 64QAM

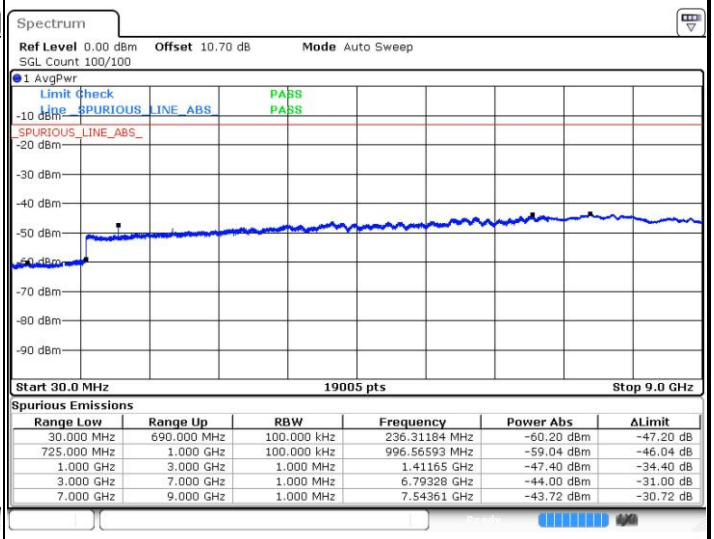


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	240.26987 MHz	-59.95 dBm	-46.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.96154 MHz	-59.16 dBm	-46.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40965 GHz	-47.96 dBm	-34.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91126 GHz	-44.02 dBm	-31.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-43.52 dBm	-30.52 dB

Date: 13.JUN.2018 10:54:41

Middle Channel / 64QAM

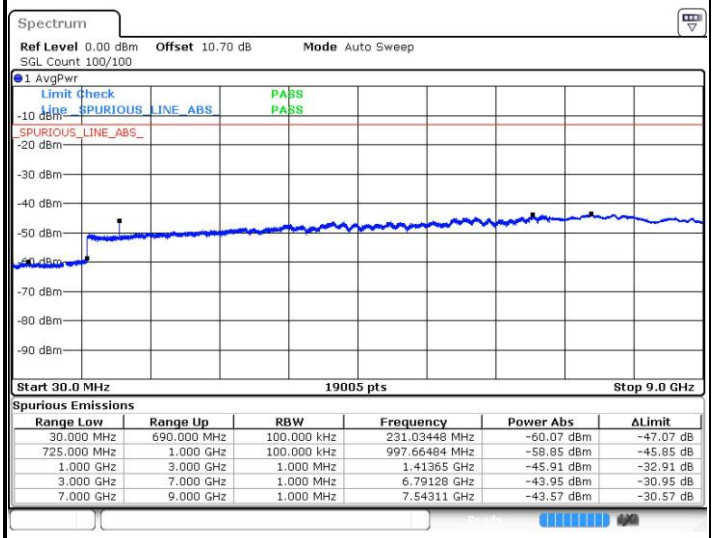


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.31184 MHz	-60.20 dBm	-47.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.56593 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41165 GHz	-47.40 dBm	-34.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-44.00 dBm	-31.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-43.72 dBm	-30.72 dB

Date: 13.JUN.2018 10:55:57

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.03448 MHz	-60.07 dBm	-47.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-58.85 dBm	-45.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.91 dBm	-32.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-43.95 dBm	-30.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54311 GHz	-43.57 dBm	-30.57 dB

Date: 13.JUN.2018 10:59:31

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	0.0003	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0079	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

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.

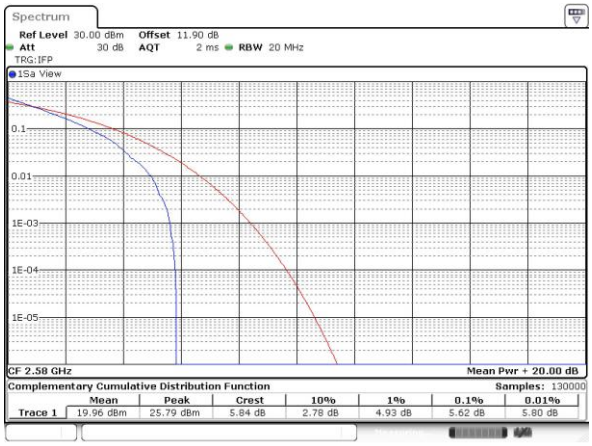
LTE Band 38

Peak-to-Average Ratio

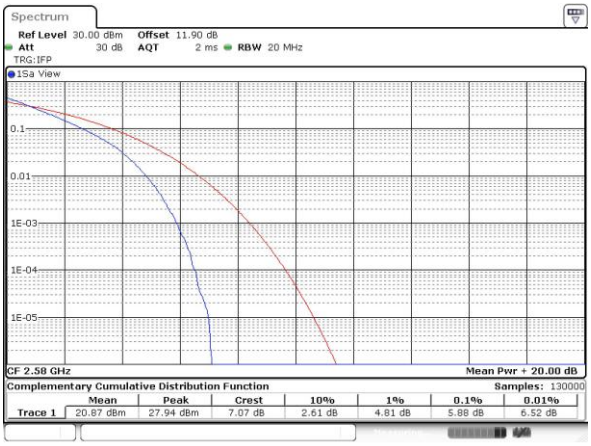
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.62	5.88	6.09	6.78	PASS
Middle CH	5.77	5.88	6.9	6.72	
Highest CH	5.74	5.91	6.29	6.72	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.61	6.90	-	-	PASS
Middle CH	6.84	6.93	-	-	
Highest CH	6.72	6.87	-	-	

LTE Band 38 / 20MHz / QPSK

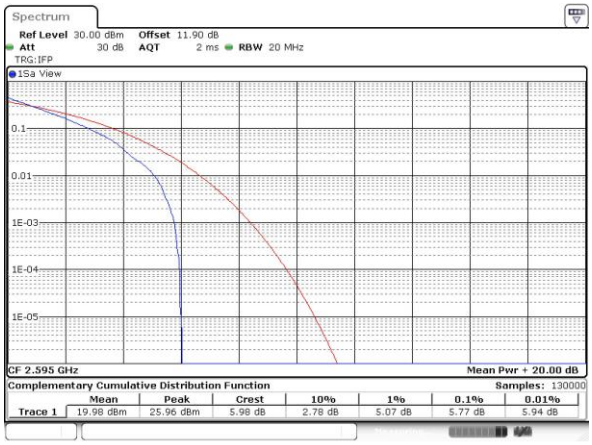
Lowest Channel / 1RB



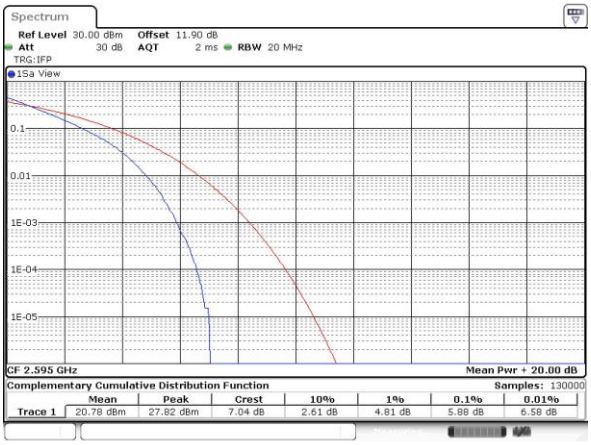
Lowest Channel / Full RB



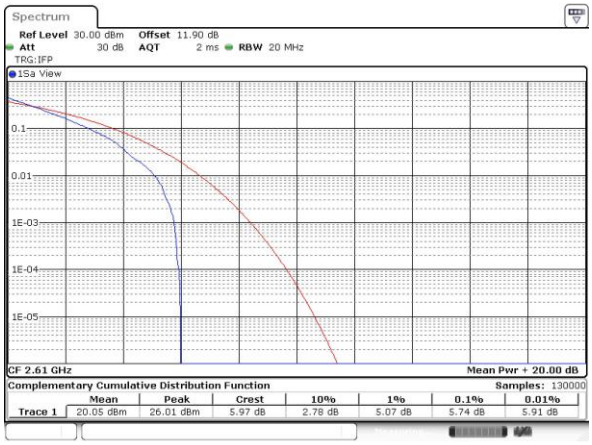
Middle Channel / 1RB



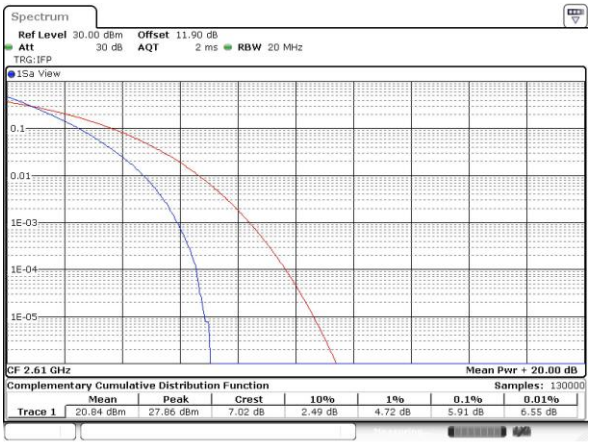
Middle Channel / Full RB



Highest Channel / 1RB

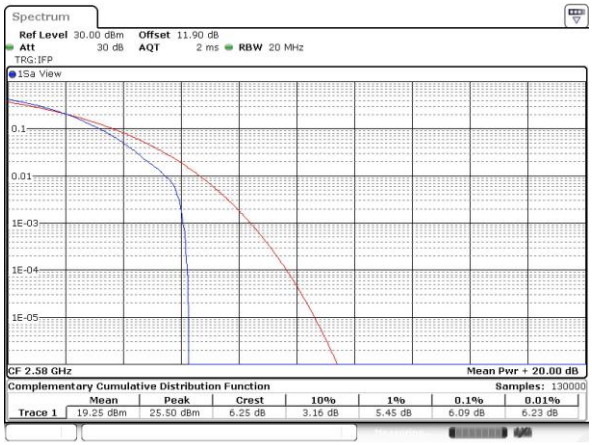


Highest Channel / Full RB

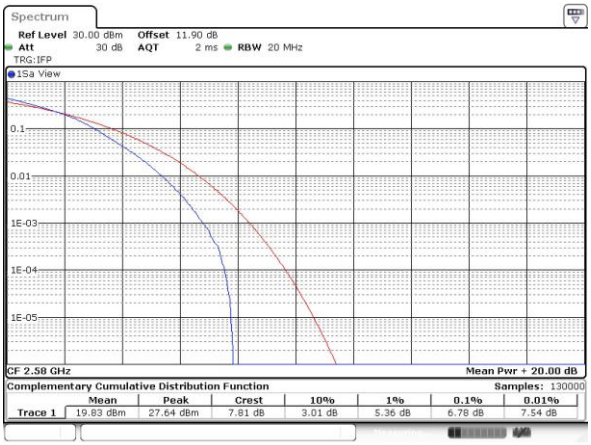


LTE Band 38 / 20MHz / 16QAM

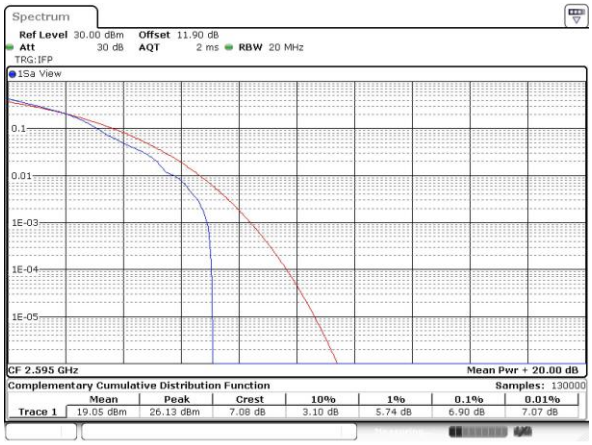
Lowest Channel / 1RB



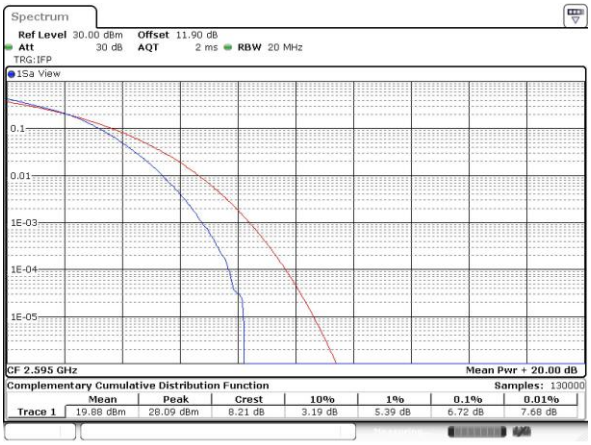
Lowest Channel / Full RB



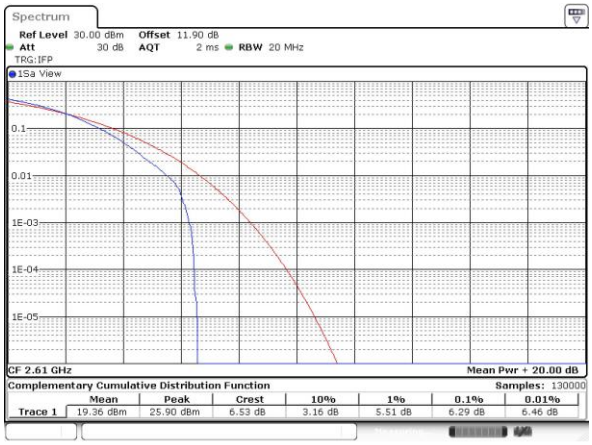
Middle Channel / 1RB



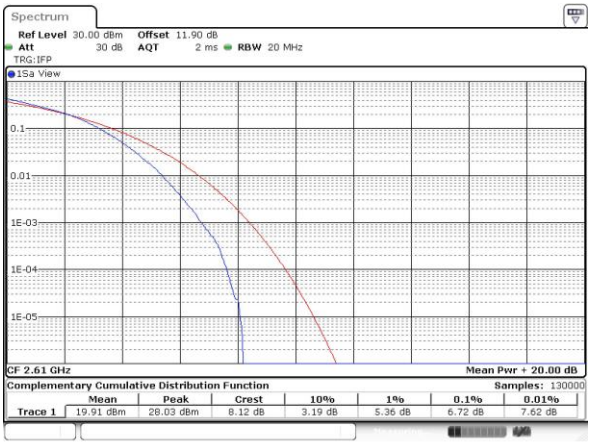
Middle Channel / Full RB



Highest Channel / 1RB

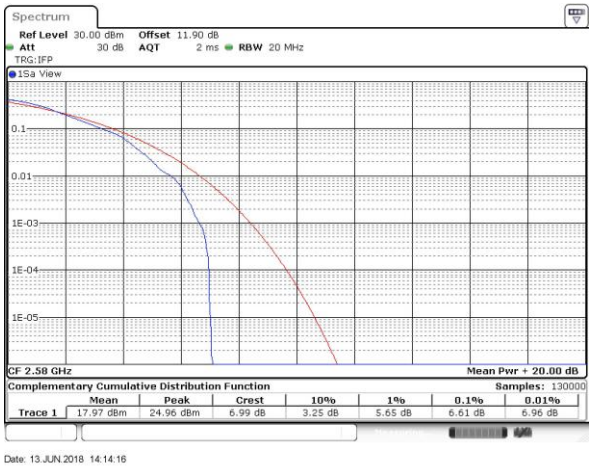


Highest Channel / Full RB

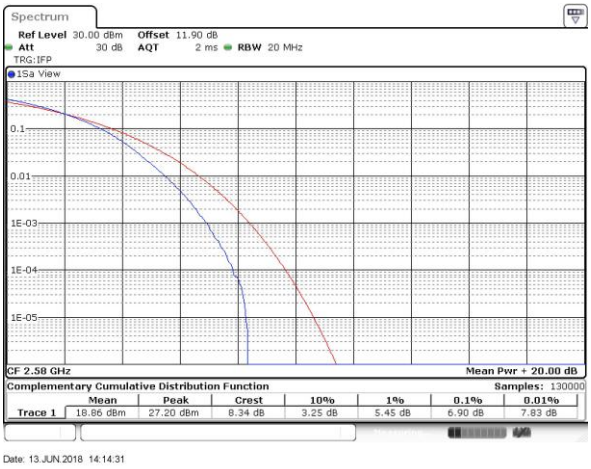


LTE Band 38 / 20MHz / 64QAM

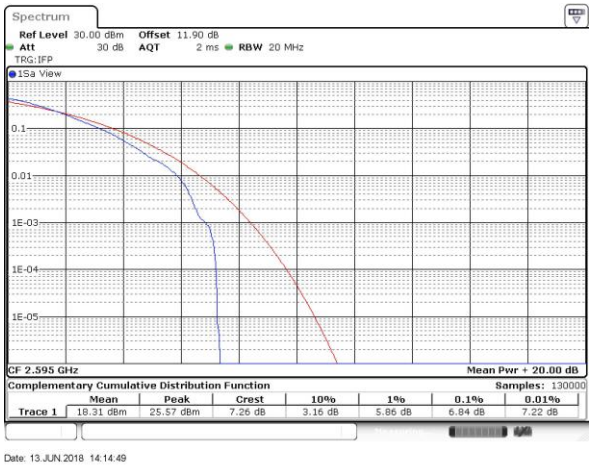
Lowest Channel / 1RB



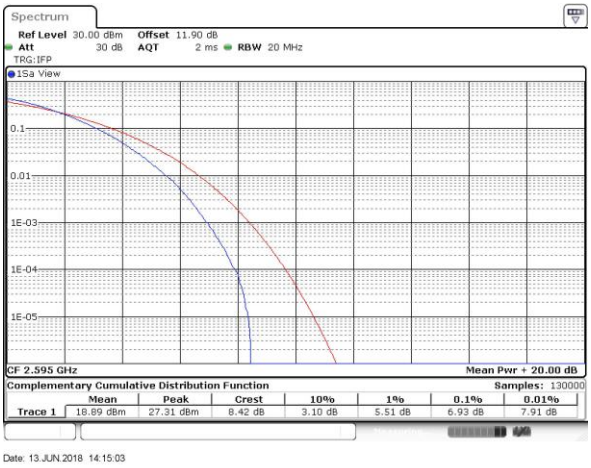
Lowest Channel / Full RB



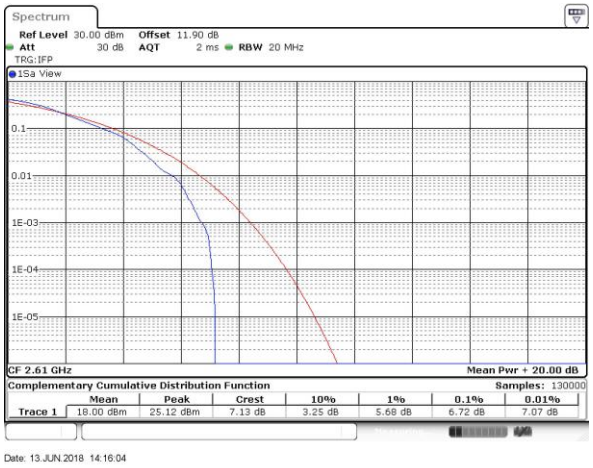
Middle Channel / 1RB



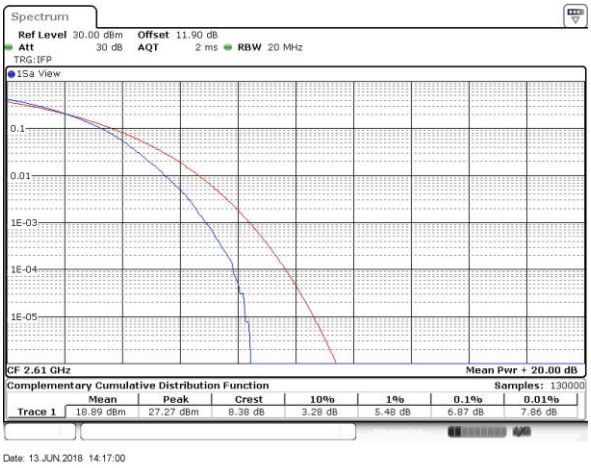
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

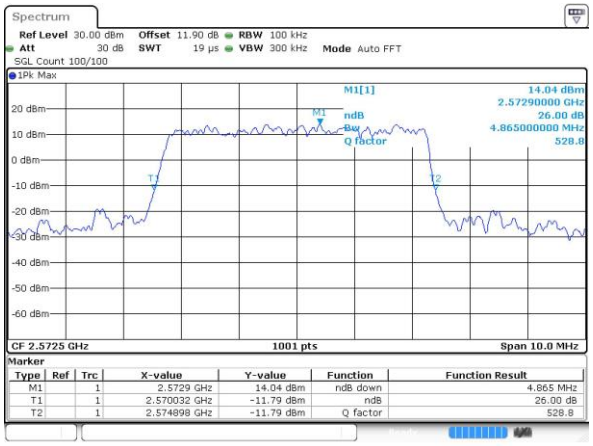


26dB Bandwidth

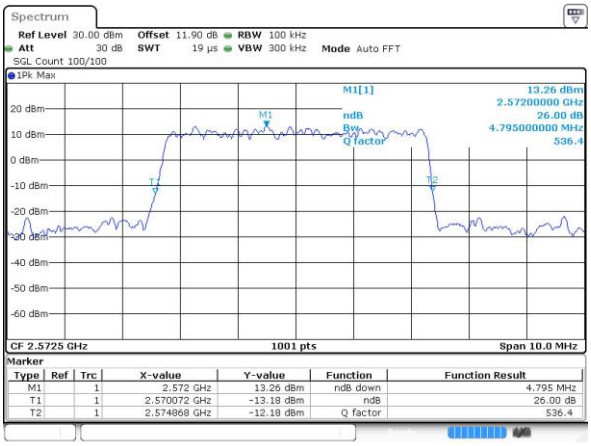
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.87	4.80	9.65	9.79	14.15	14.27	20.18	20.14
Middle CH	-	-	-	-	4.82	4.96	9.73	9.65	14.21	14.39	20.14	20.18
Highest CH	-	-	-	-	4.84	4.93	9.71	9.73	14.15	14.15	20.26	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	-	-	-	-	4.73	-	9.65	-	14.27	-	20.18	-
Middle CH	-	-	-	-	4.86	-	9.63	-	14.15	-	20.26	-
Highest CH	-	-	-	-	4.86	-	9.83	-	14.27	-	20.06	-

LTE Band 38

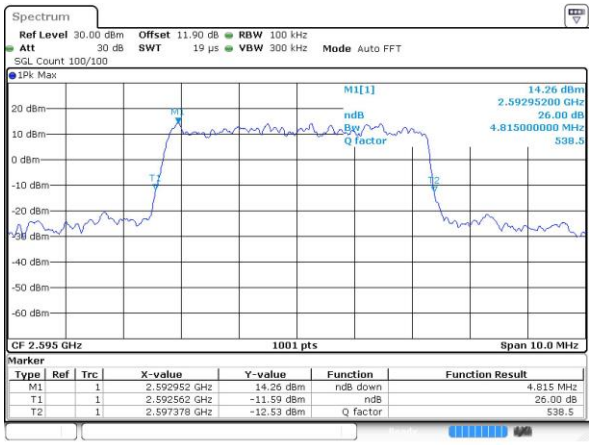
Lowest Channel / 5MHz / QPSK



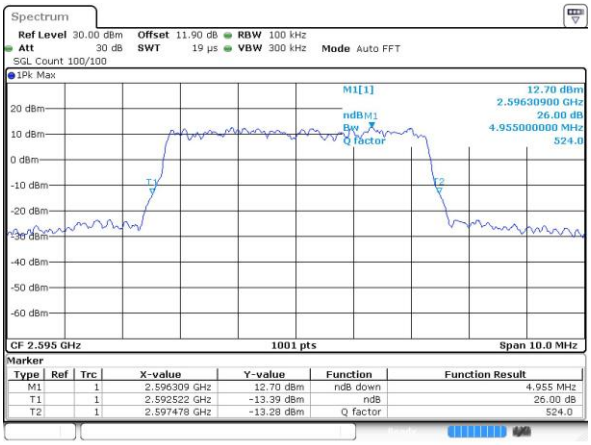
Lowest Channel / 5MHz / 16QAM



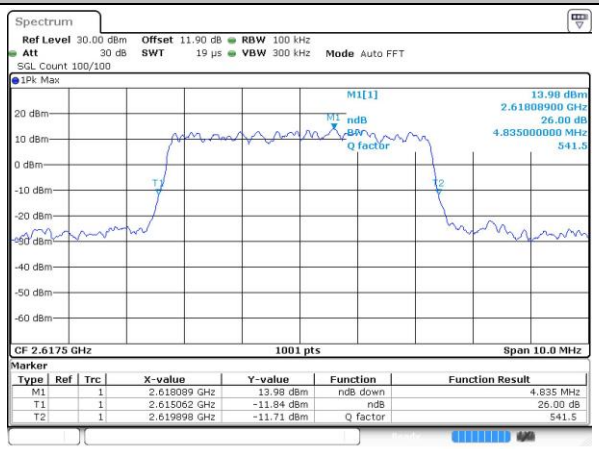
Middle Channel / 5MHz / QPSK



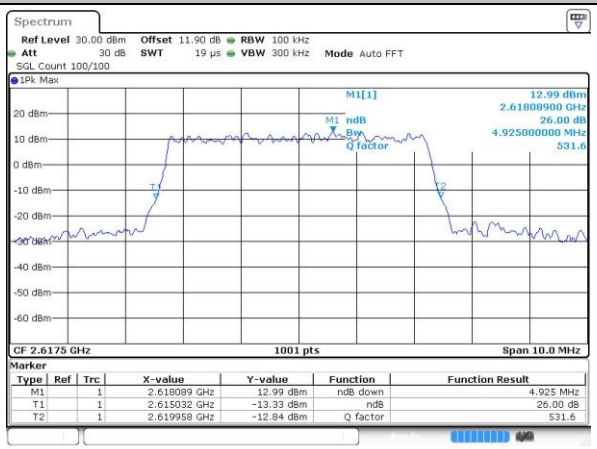
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

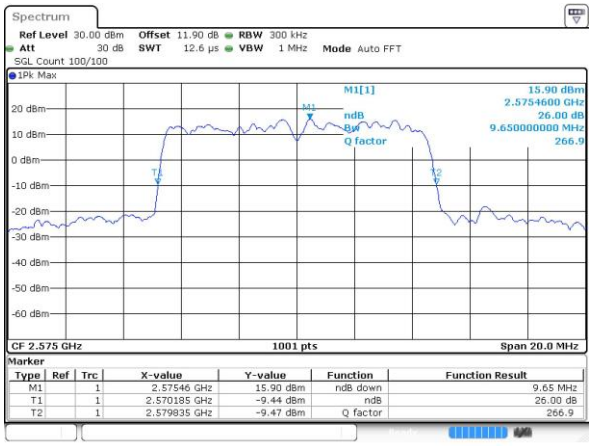


Highest Channel / 5MHz / 16QAM

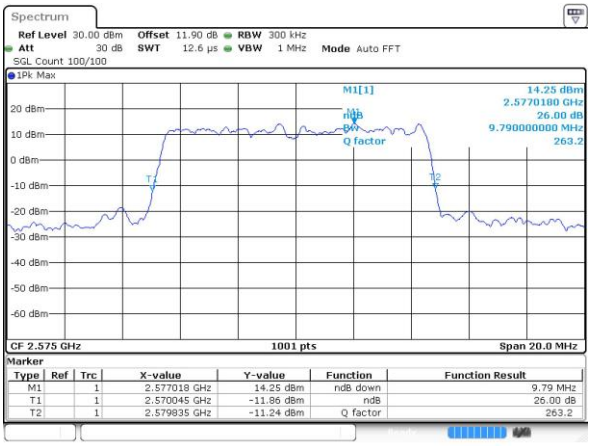


LTE Band 38

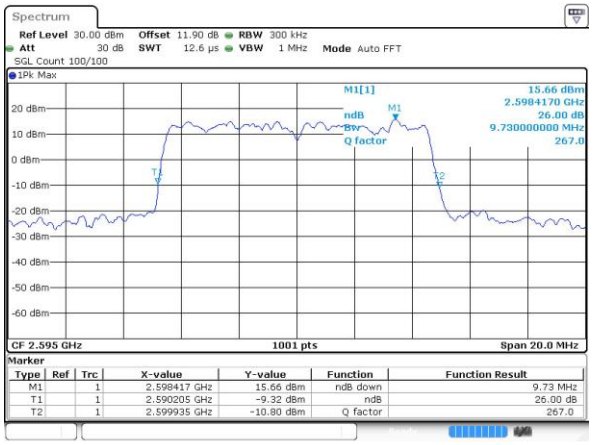
Lowest Channel / 10MHz / QPSK



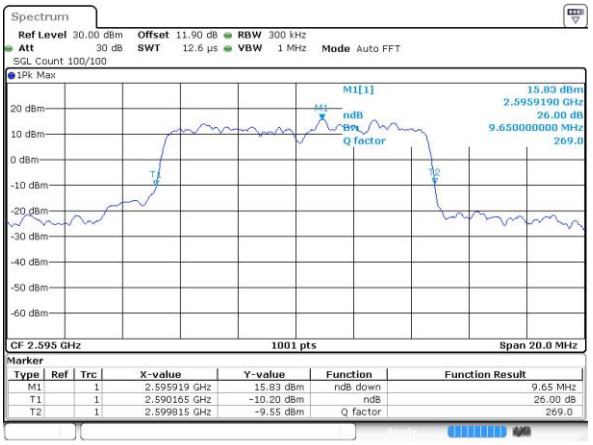
Lowest Channel / 10MHz / 16QAM



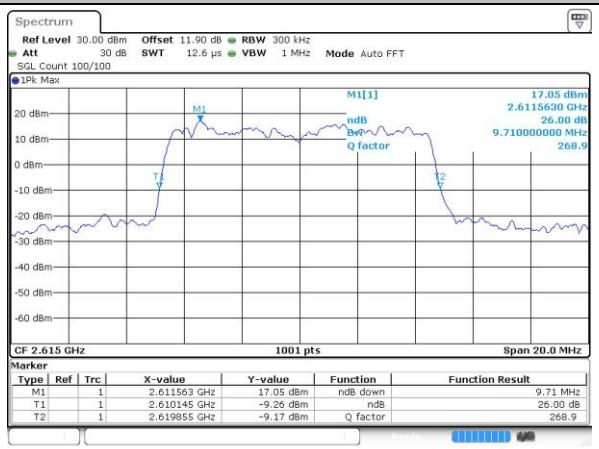
Middle Channel / 10MHz / QPSK



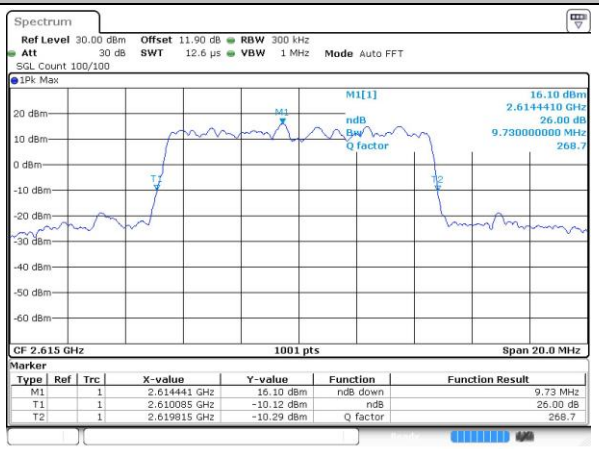
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

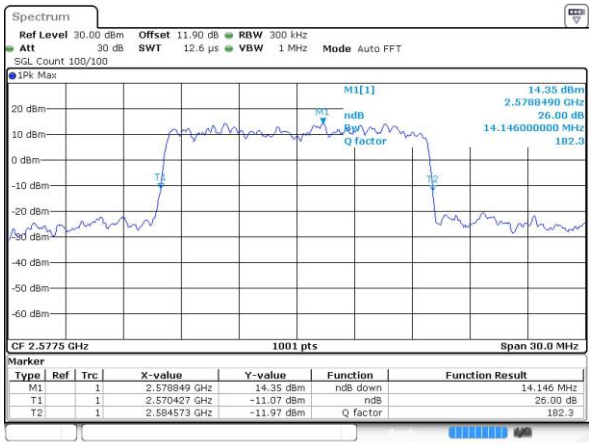


Highest Channel / 10MHz / 16QAM

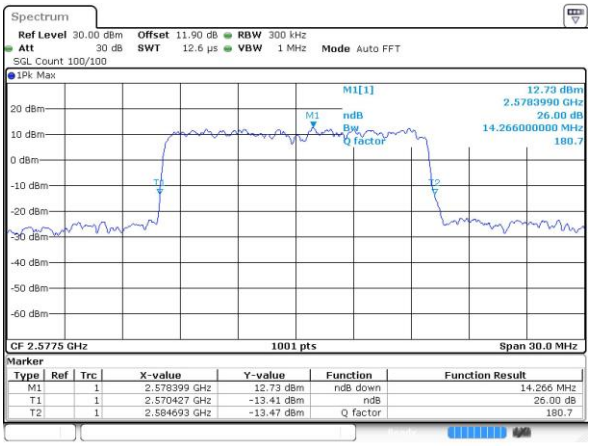


LTE Band 38

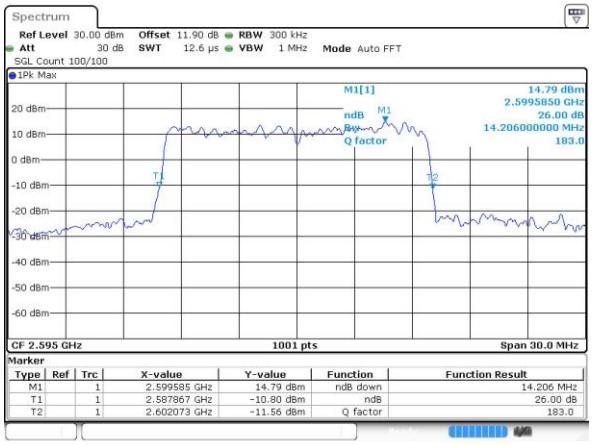
Lowest Channel / 15MHz / QPSK



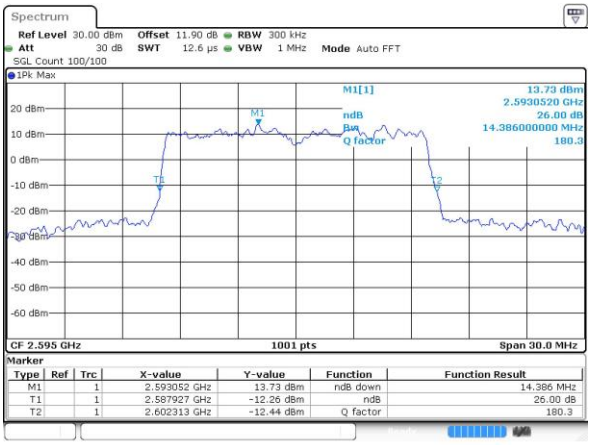
Lowest Channel / 15MHz / 16QAM



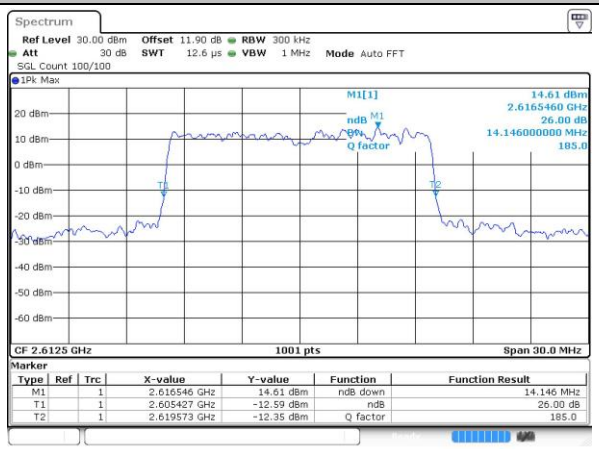
Middle Channel / 15MHz / QPSK



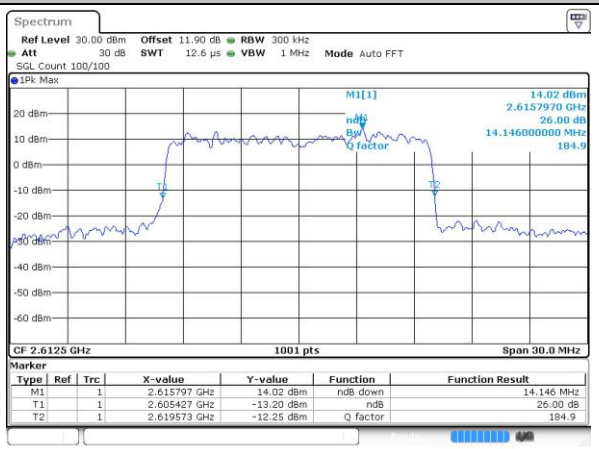
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

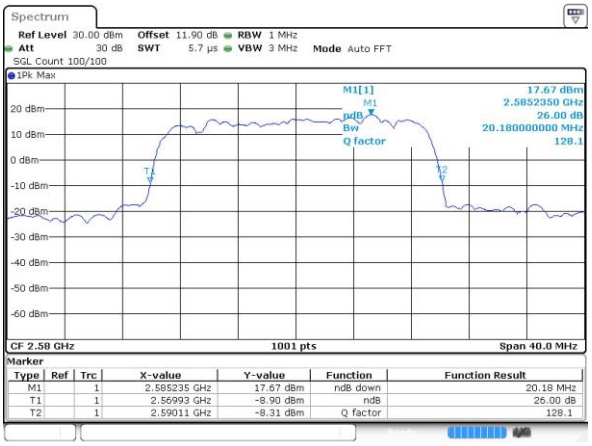


Highest Channel / 15MHz / 16QAM

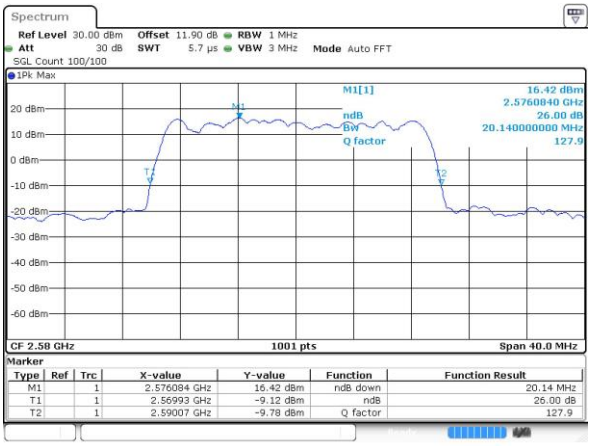


LTE Band 38

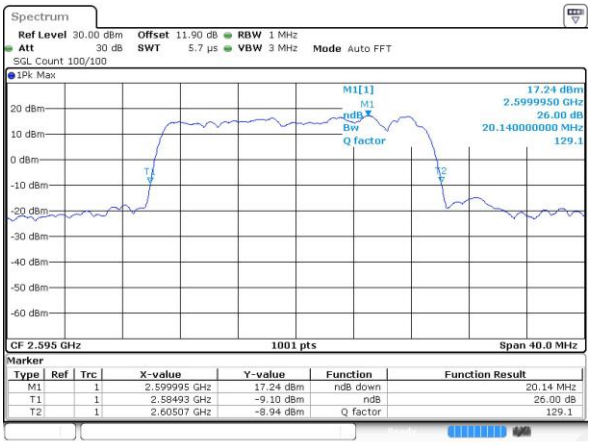
Lowest Channel / 20MHz / QPSK



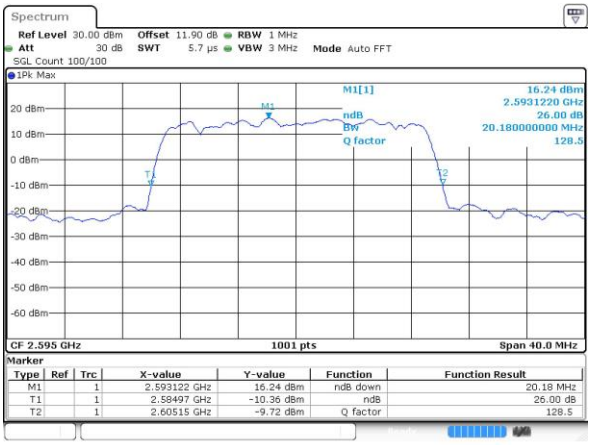
Lowest Channel / 20MHz / 16QAM



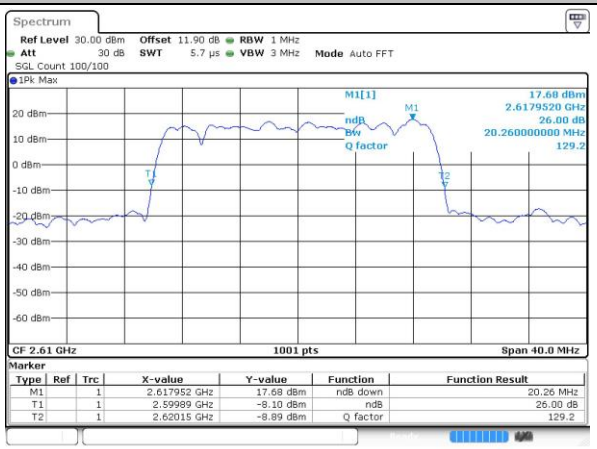
Middle Channel / 20MHz / QPSK



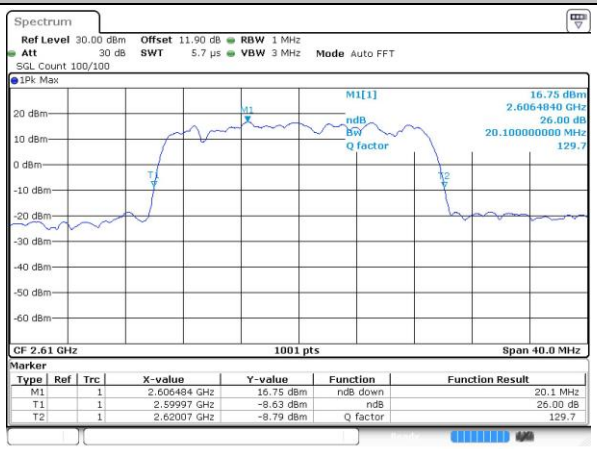
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

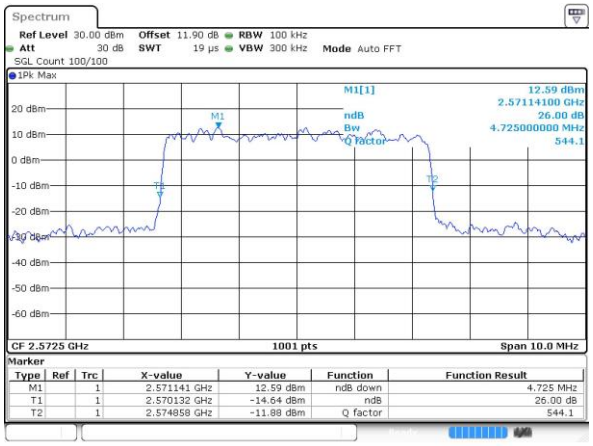


Highest Channel / 20MHz / 16QAM

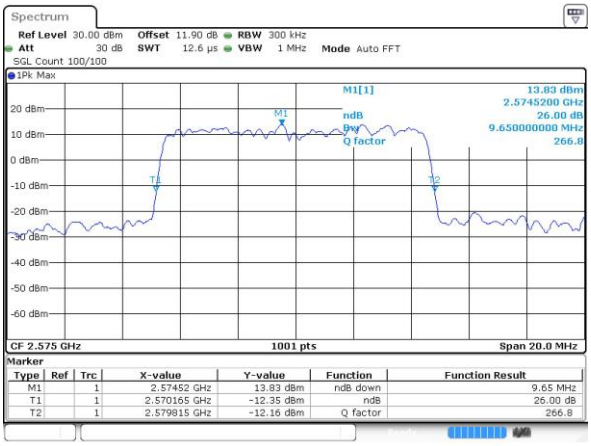


LTE Band 38

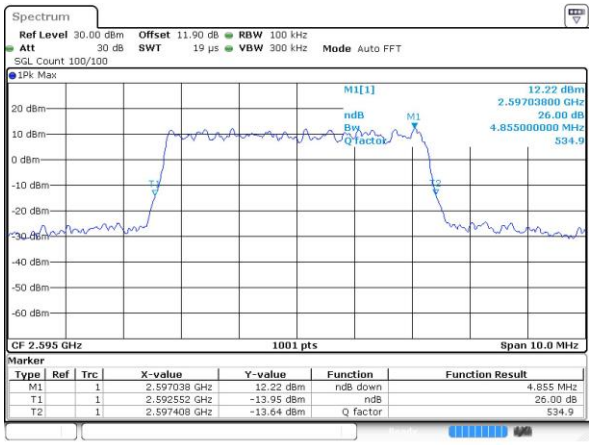
Lowest Channel / 5MHz / 64QAM



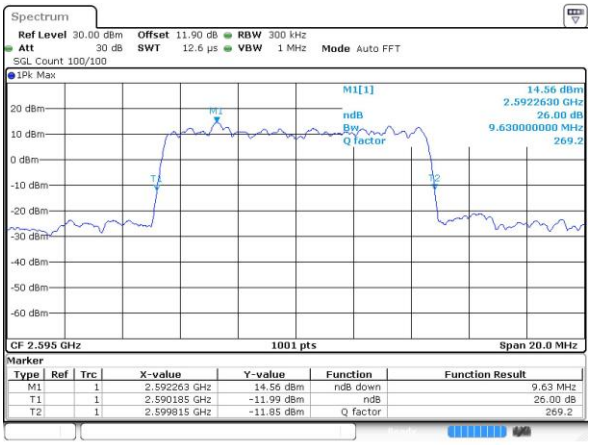
Lowest Channel / 10MHz / 64QAM



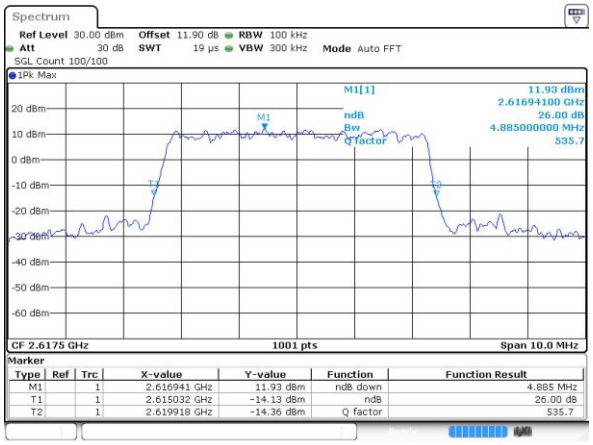
Middle Channel / 5MHz / 64QAM



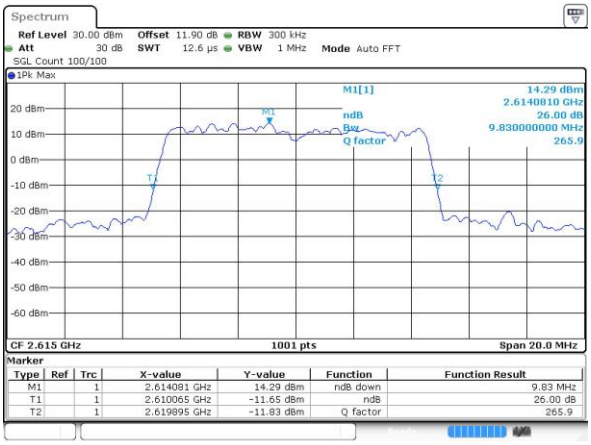
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

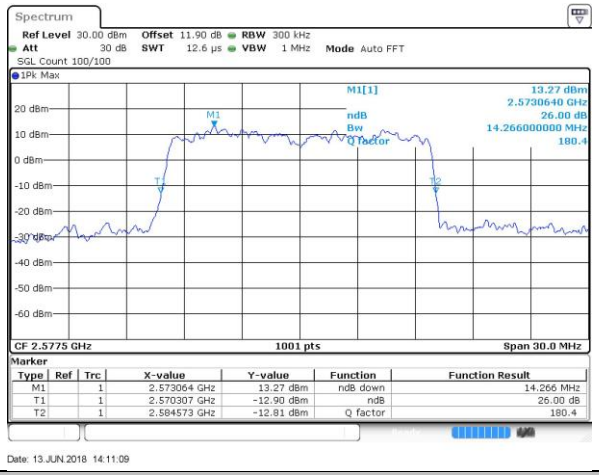


Highest Channel / 10MHz / 64QAM

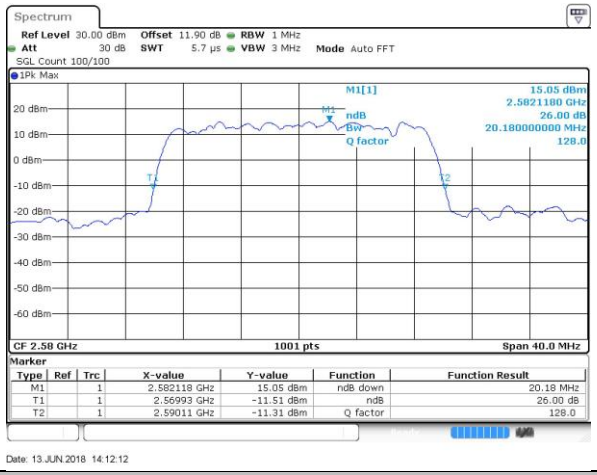


LTE Band 38

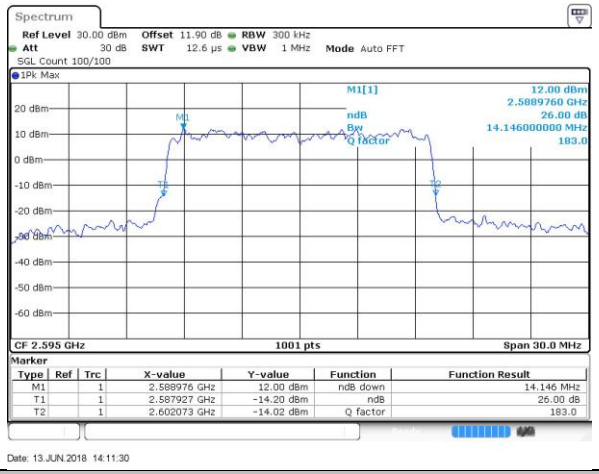
Lowest Channel / 15MHz / 64QAM



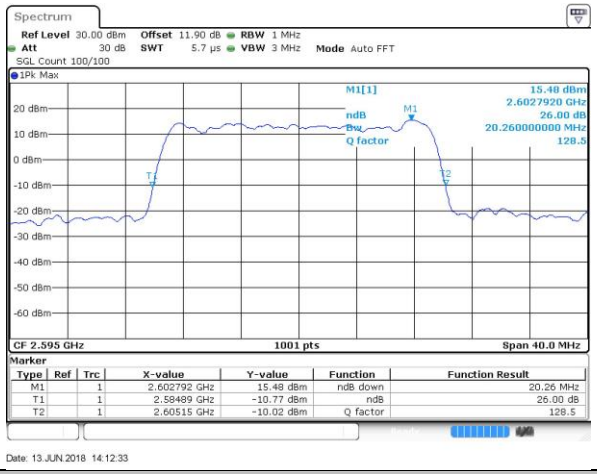
Lowest Channel / 20MHz / 64QAM



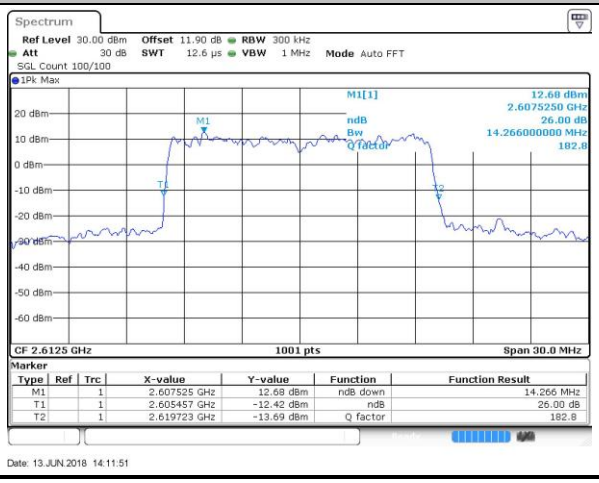
Middle Channel / 15MHz / 64QAM



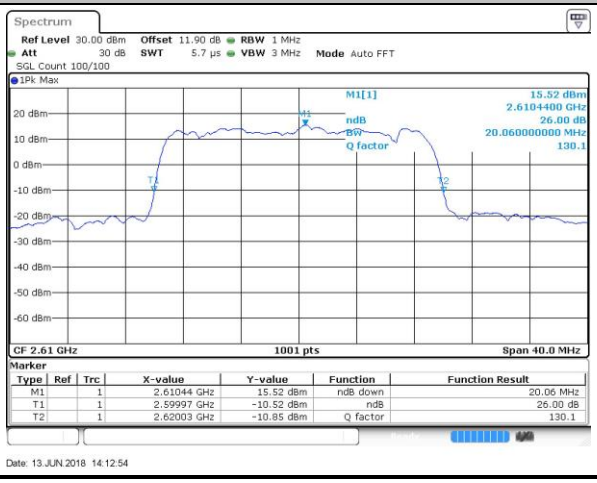
Middle Channel / 20MHz / 64QAM



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	-	-	-	-	4.5	4.52	9.07	9.05	13.46	13.43	18.5	18.34
Middle CH	-	-	-	-	4.47	4.49	9.03	9.07	13.52	13.46	18.42	18.46
Highest CH	-	-	-	-	4.5	4.5	9.07	9.05	13.4	13.43	18.3	18.34
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	8.99	-	13.43	-	18.38	-
Middle CH	-	-	-	-	4.50	-	8.99	-	13.46	-	18.46	-
Highest CH	-	-	-	-	4.51	-	9.11	-	13.43	-	18.42	-