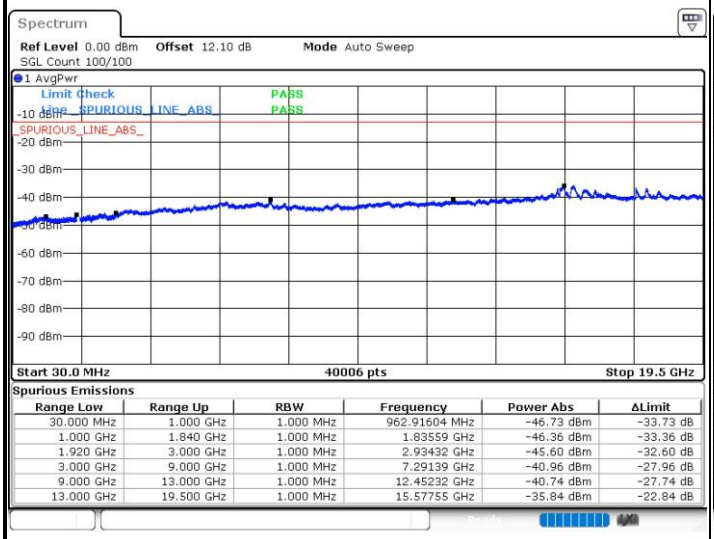
LTE Band 25 / 20MHz

Middle Channel / QPSK

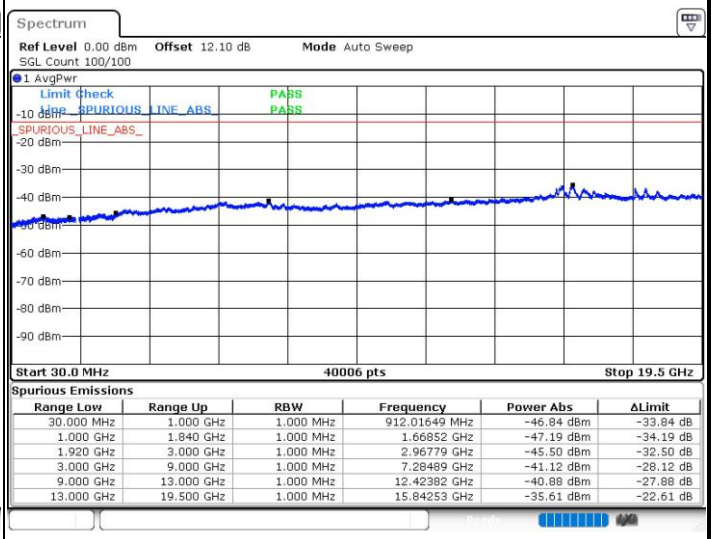


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-46.73 dBm	-33.73 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-46.36 dBm	-33.36 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93432 GHz	-45.60 dBm	-32.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.29139 GHz	-40.96 dBm	-27.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.45232 GHz	-40.74 dBm	-27.74 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.57755 GHz	-35.84 dBm	-22.84 dB

Date: 12.OCT.2018 06:39:41

Middle Channel / 16QAM

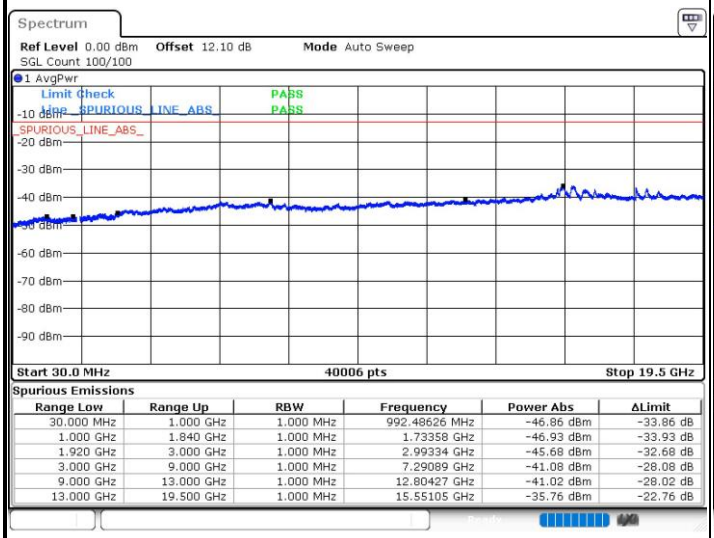


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-46.84 dBm	-33.84 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66852 GHz	-47.19 dBm	-34.19 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96779 GHz	-45.50 dBm	-32.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.28489 GHz	-41.12 dBm	-28.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.42382 GHz	-40.88 dBm	-27.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84253 GHz	-35.61 dBm	-22.61 dB

Date: 12.OCT.2018 06:40:40

Highest Channel / QPSK

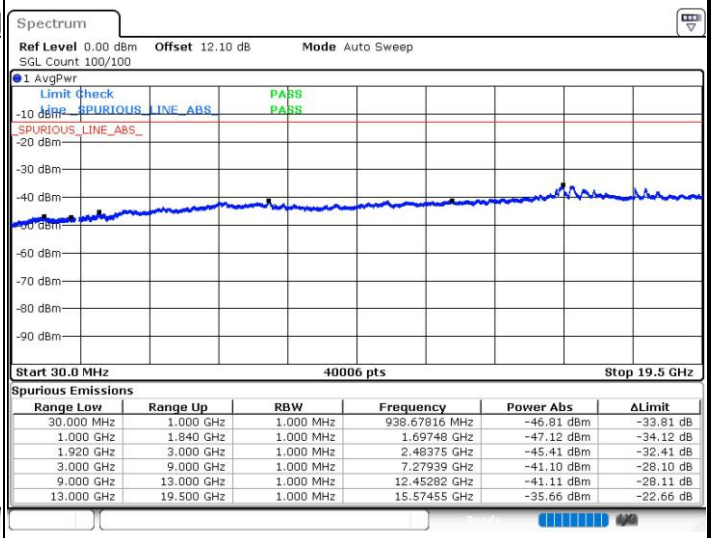


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-46.86 dBm	-33.86 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.73358 GHz	-46.93 dBm	-33.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99334 GHz	-45.68 dBm	-32.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.29089 GHz	-41.08 dBm	-28.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.80427 GHz	-41.02 dBm	-28.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.55105 GHz	-35.76 dBm	-22.76 dB

Date: 12.OCT.2018 06:46:22

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-46.81 dBm	-33.81 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69748 GHz	-47.12 dBm	-34.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.48375 GHz	-45.41 dBm	-32.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.27939 GHz	-41.10 dBm	-28.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.45282 GHz	-41.11 dBm	-28.11 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.57455 GHz	-35.66 dBm	-22.66 dB

Date: 12.OCT.2018 06:47:22

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =7.6 V.；Battery End Point (BEP) =6.8 V.；Maximum Voltage =8.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

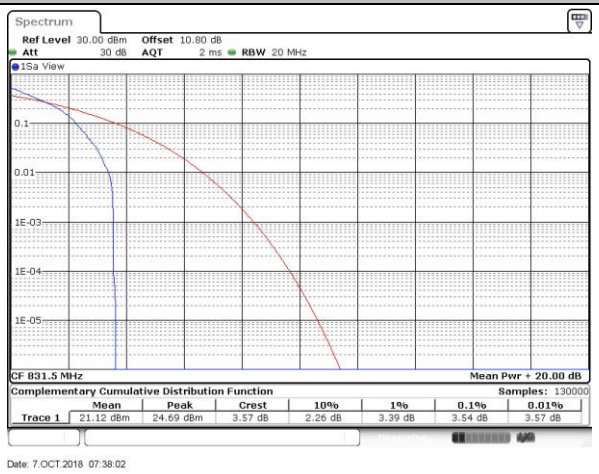
LTE Band 26

Peak-to-Average Ratio

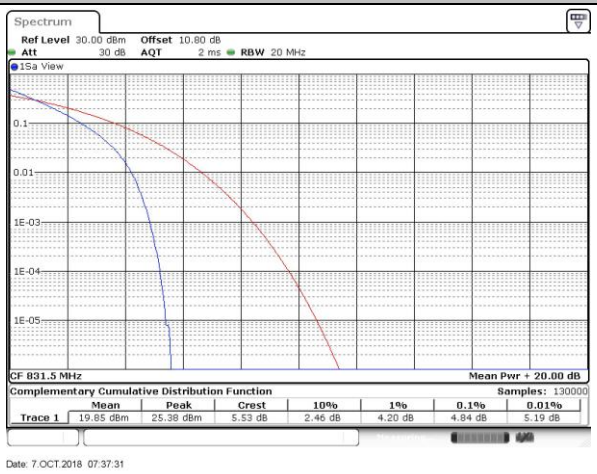
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.84	4.00	5.65	PASS
Middle CH	3.91	4.78	4.81	5.68	
Highest CH	3.71	4.70	4.17	6.00	

LTE Band 26 / 15MHz / QPSK

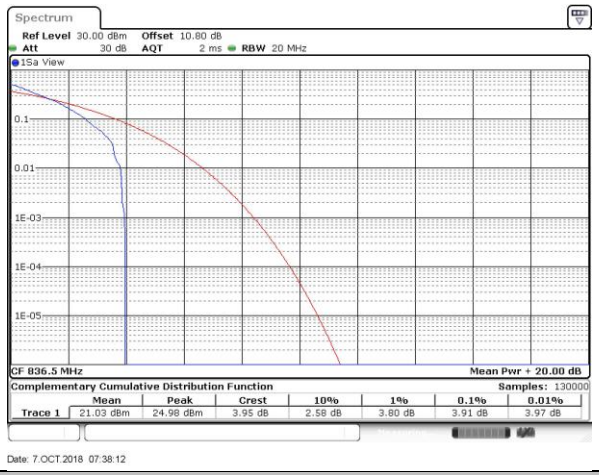
Lowest Channel / 1RB



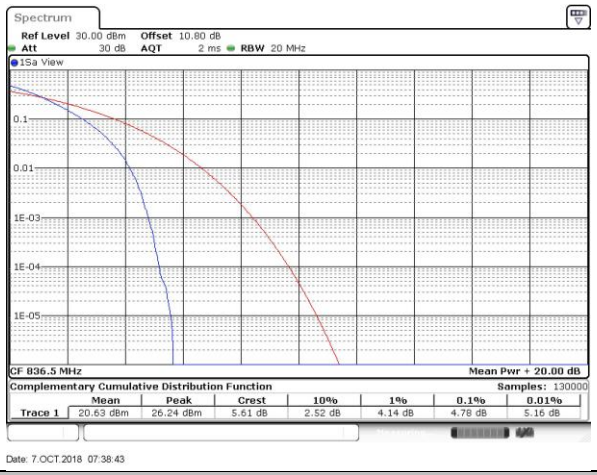
Lowest Channel / Full RB



Middle Channel / 1RB

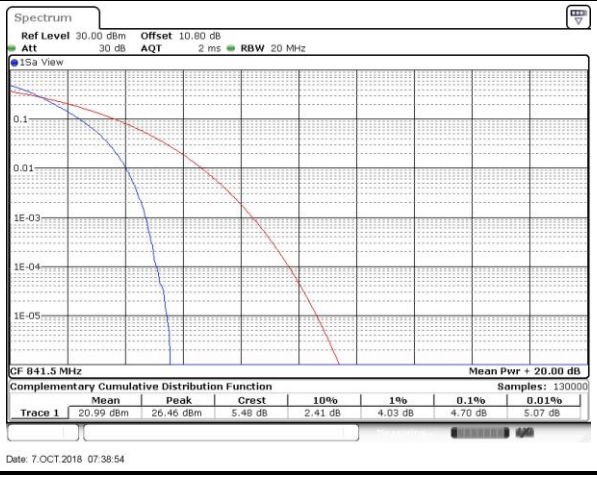


Middle Channel / Full RB



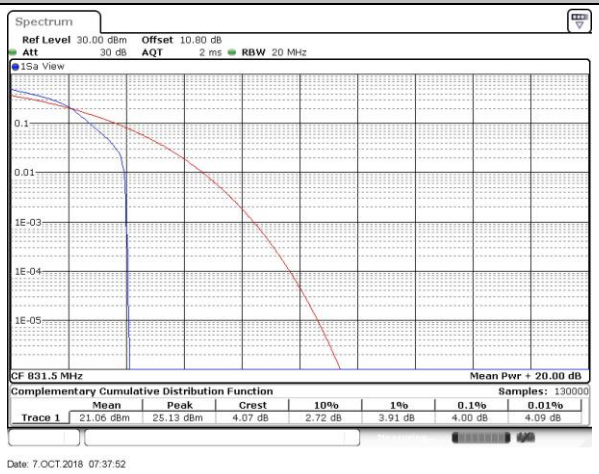
Highest Channel / 1RB

Highest Channel / Full RB

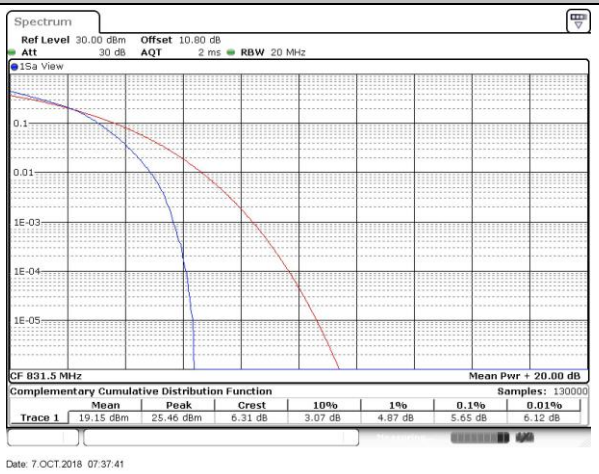


LTE Band 26 / 15MHz / 16QAM

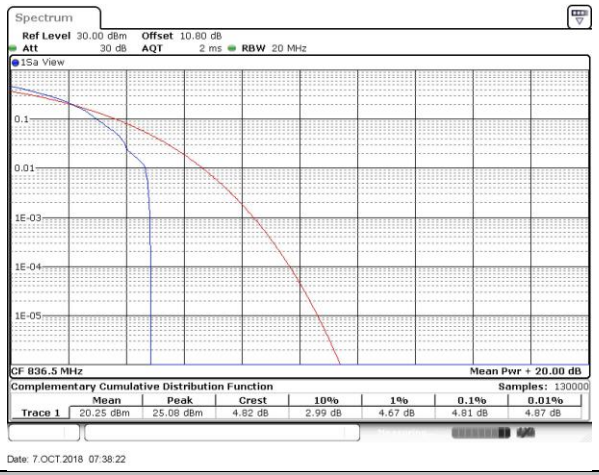
Lowest Channel / 1RB



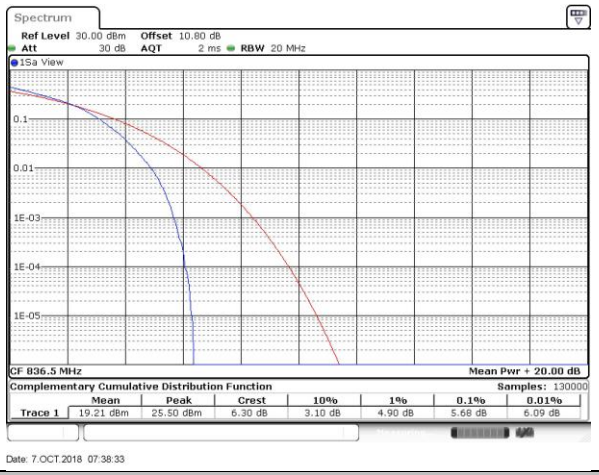
Lowest Channel / Full RB



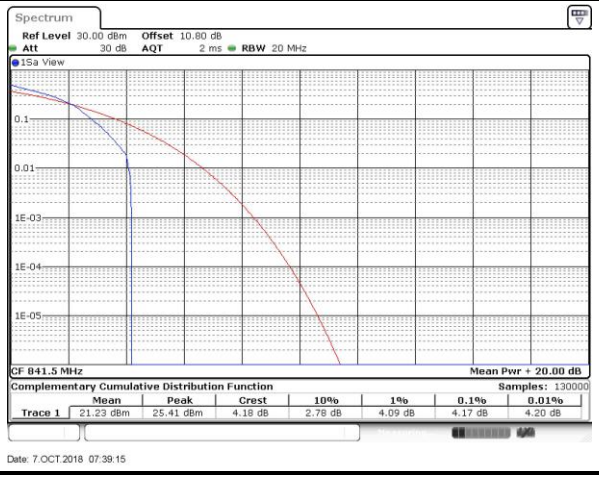
Middle Channel / 1RB



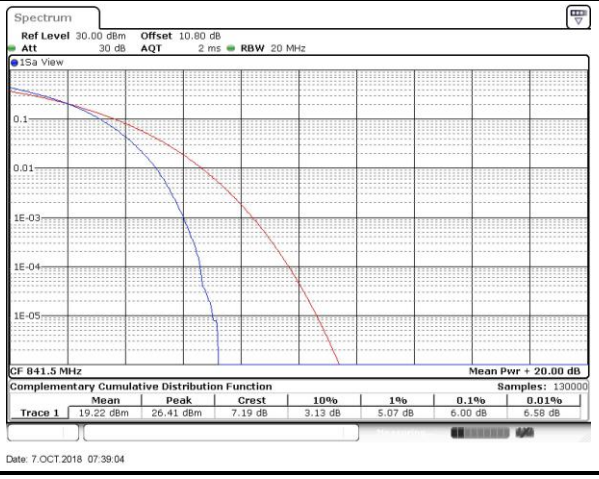
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

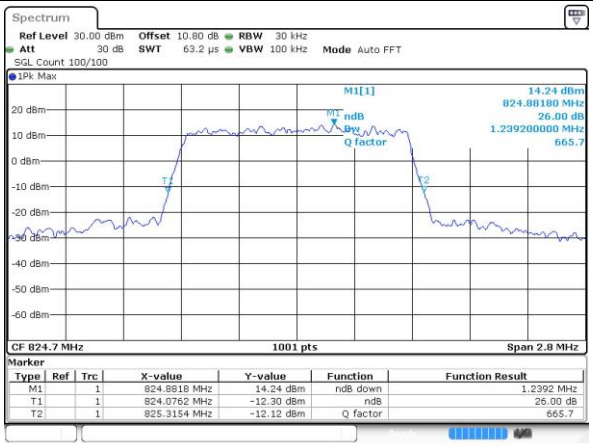


26dB Bandwidth

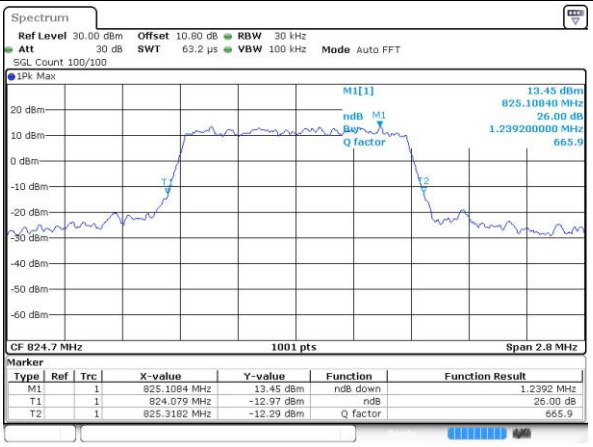
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.24	3.03	3.05	4.88	5.01	9.77	9.79	14.39	14.51	-	-
Middle CH	1.22	1.22	3.05	3.02	4.94	4.91	9.69	9.73	14.48	14.48	-	-
Highest CH	1.23	1.21	3.03	3.02	4.90	4.88	9.87	9.71	14.39	14.48	-	-

LTE Band 26

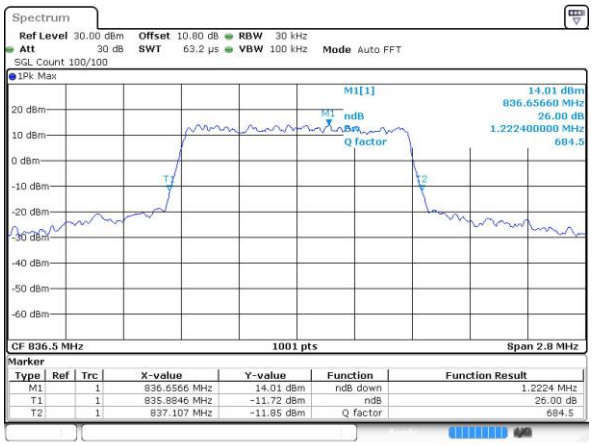
Lowest Channel / 1.4MHz / QPSK



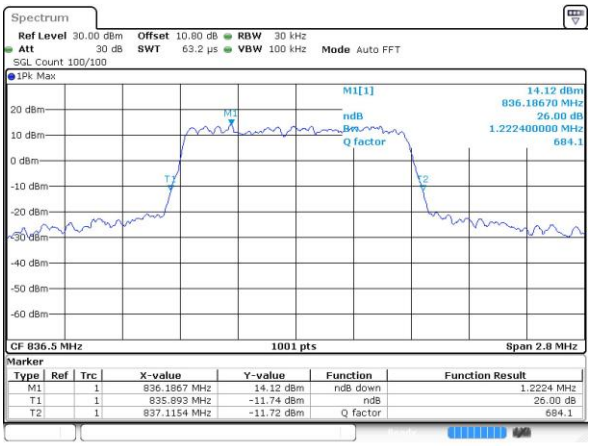
Lowest Channel / 1.4MHz / 16QAM



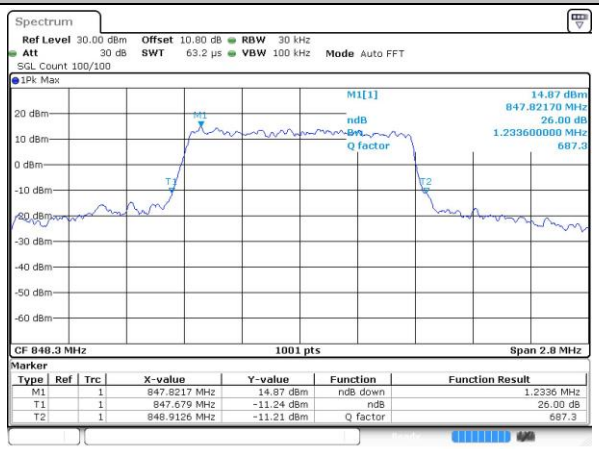
Middle Channel / 1.4MHz / QPSK



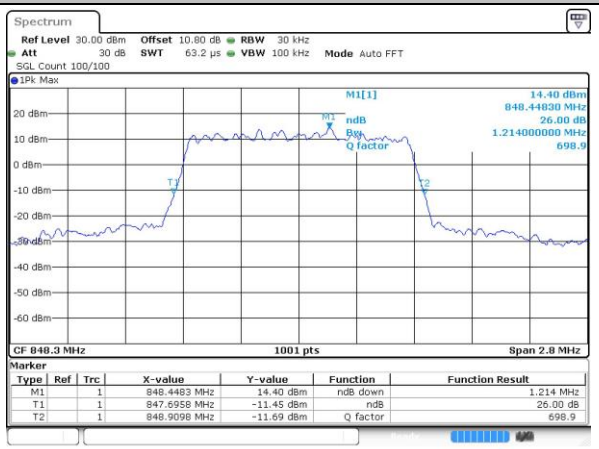
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

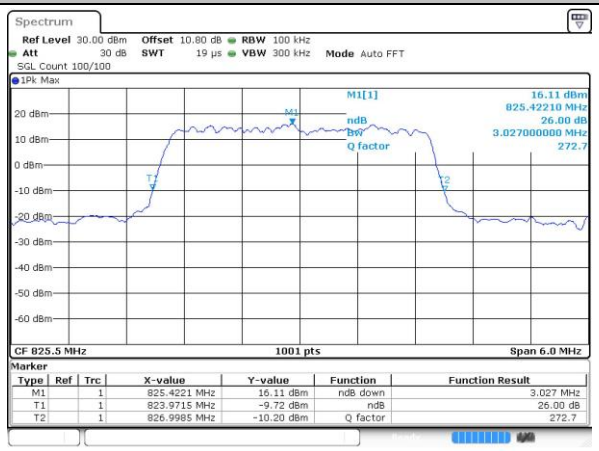


Highest Channel / 1.4MHz / 16QAM

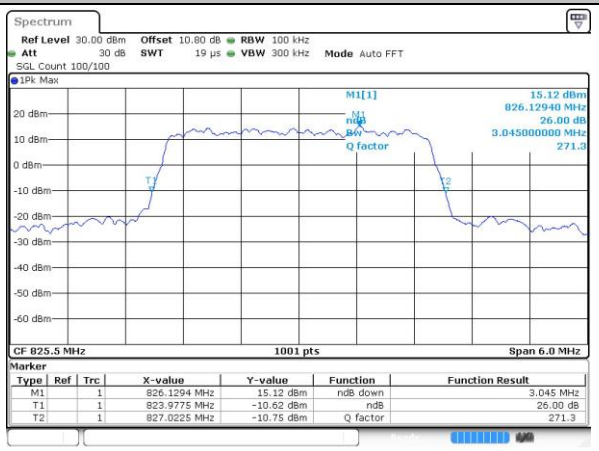


LTE Band 26

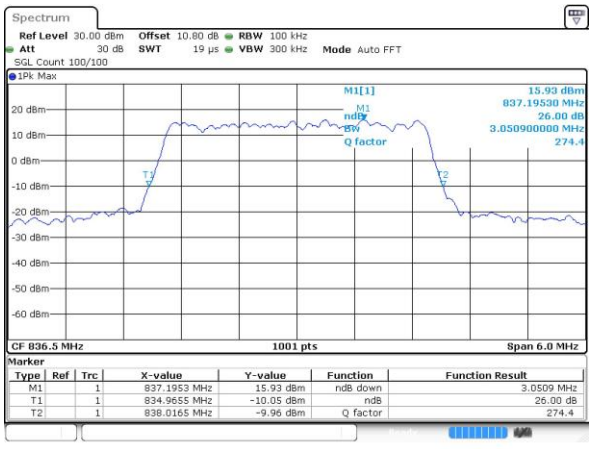
Lowest Channel / 3MHz / QPSK



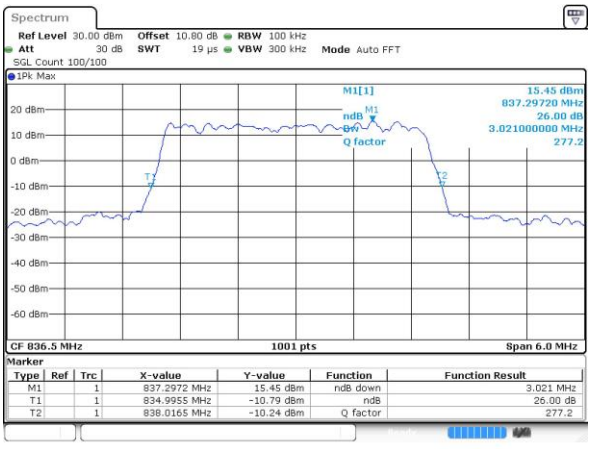
Lowest Channel / 3MHz / 16QAM



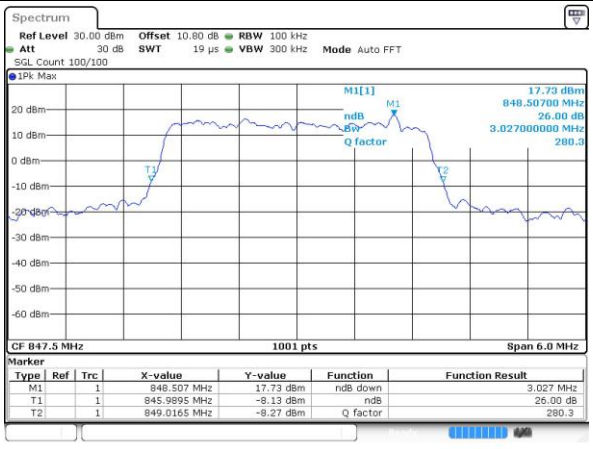
Middle Channel / 3MHz / QPSK



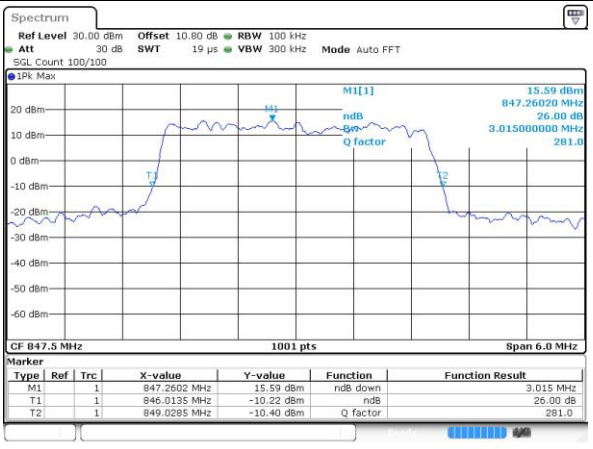
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

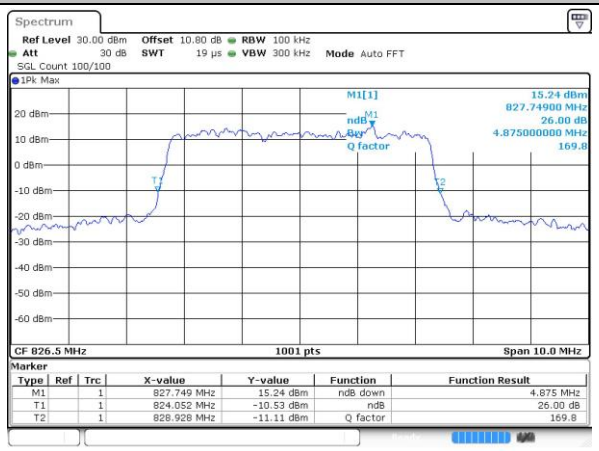


Highest Channel /3MHz / 16QAM

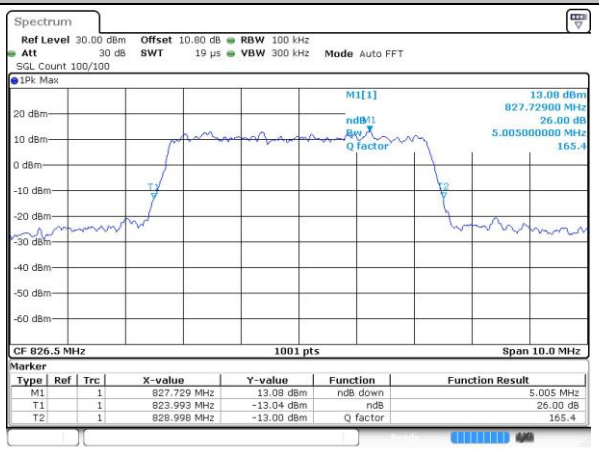


LTE Band 26

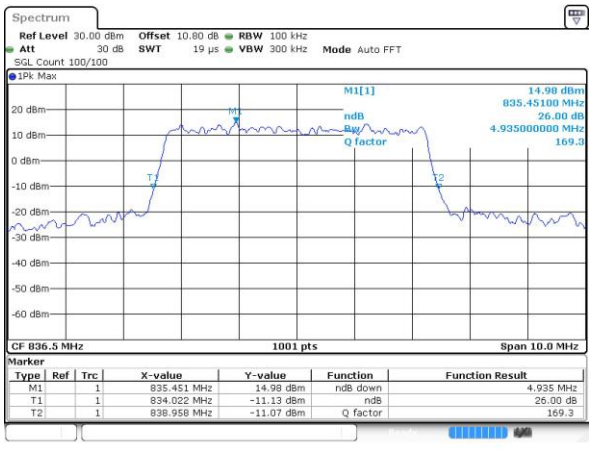
Lowest Channel / 5MHz / QPSK



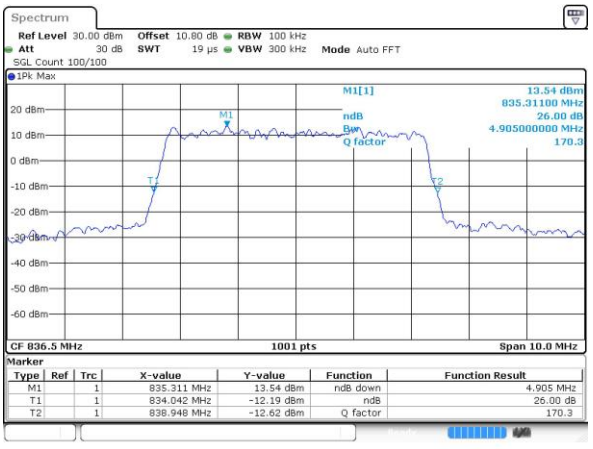
Lowest Channel / 5MHz / 16QAM



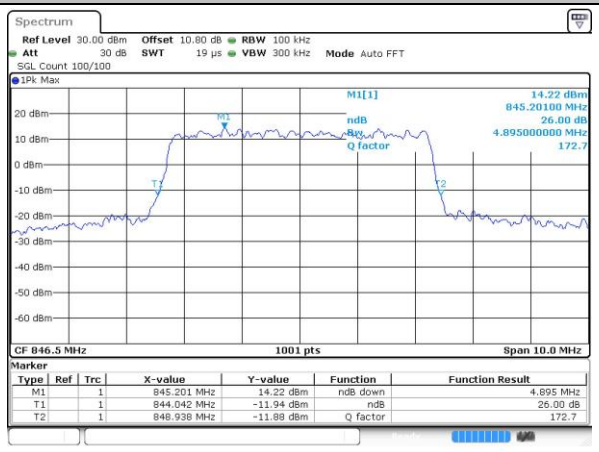
Middle Channel / 5MHz / QPSK



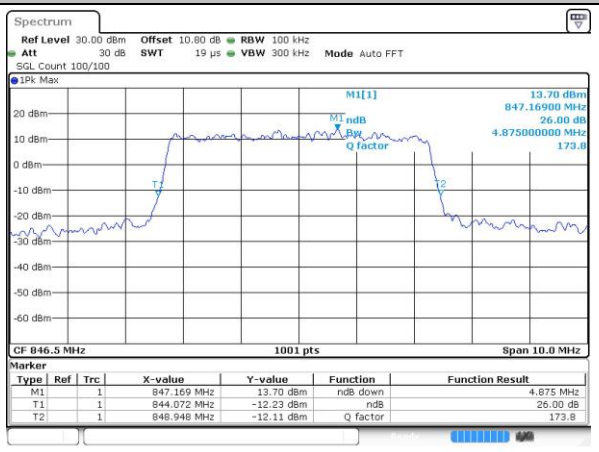
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

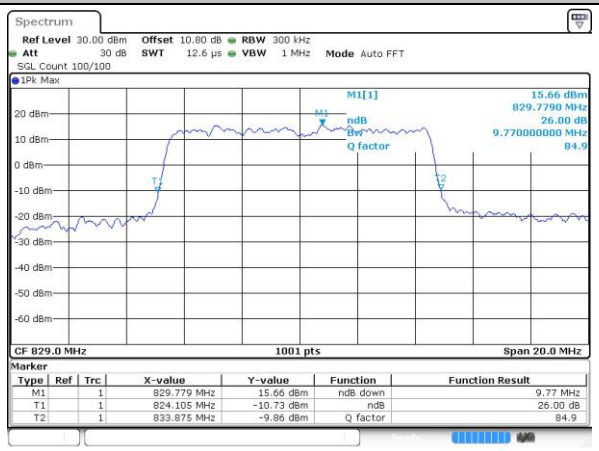


Highest Channel / 5MHz / 16QAM

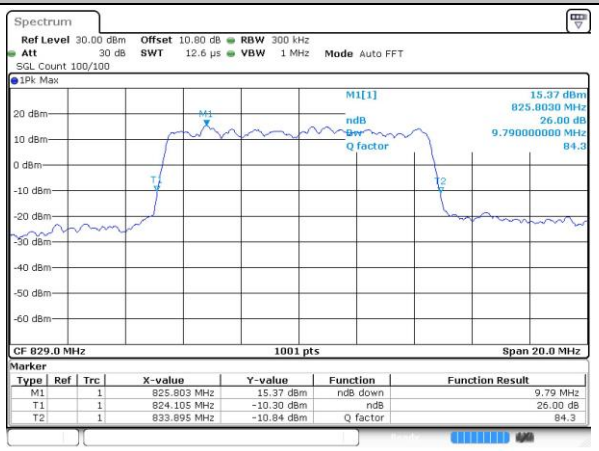


LTE Band 26

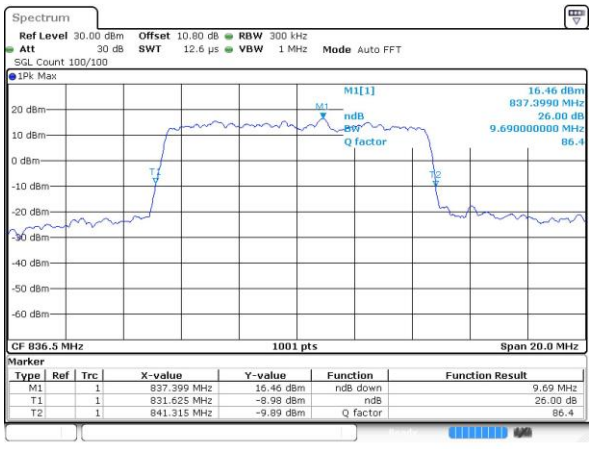
Lowest Channel / 10MHz / QPSK



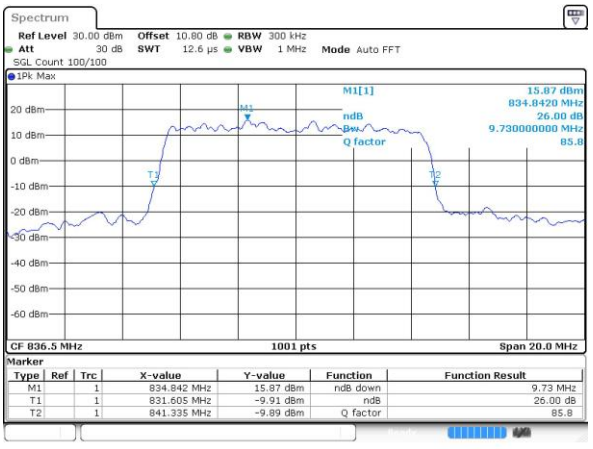
Lowest Channel / 10MHz / 16QAM



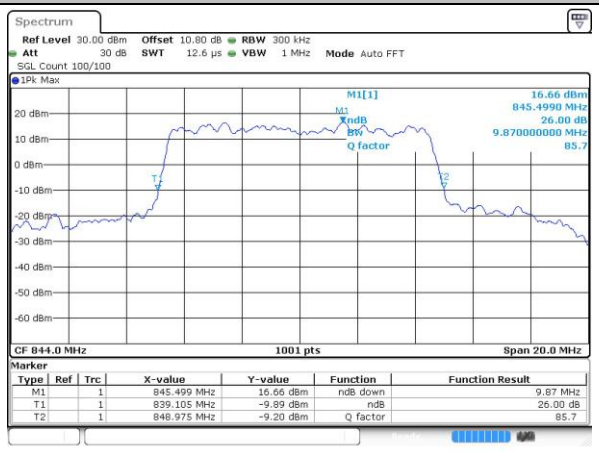
Middle Channel / 10MHz / QPSK



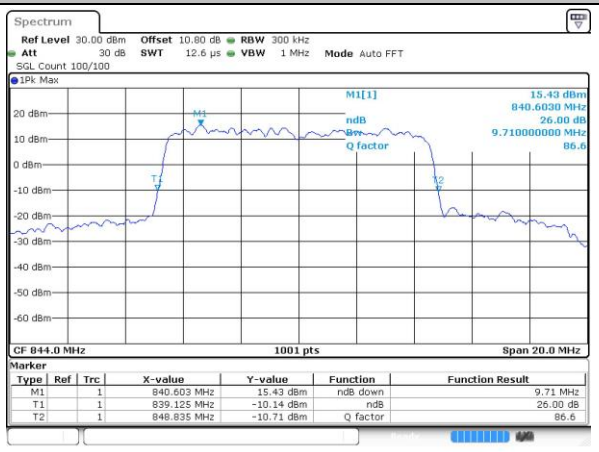
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

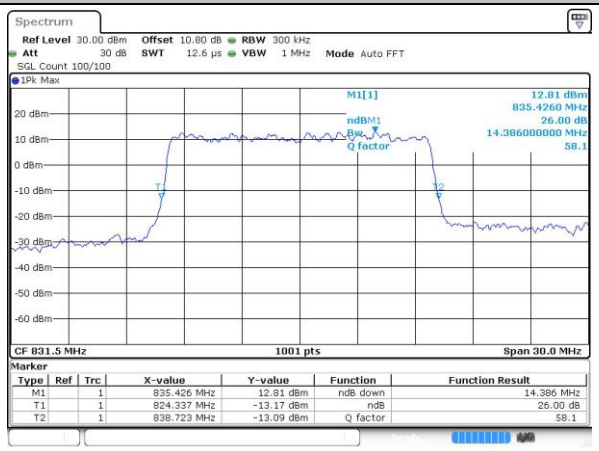


Highest Channel / 10MHz / 16QAM

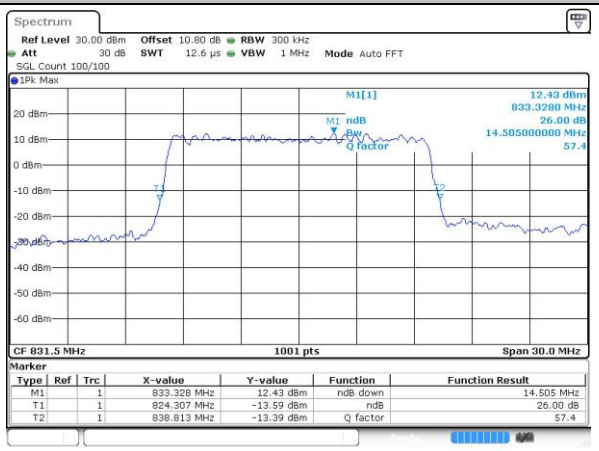


LTE Band 26

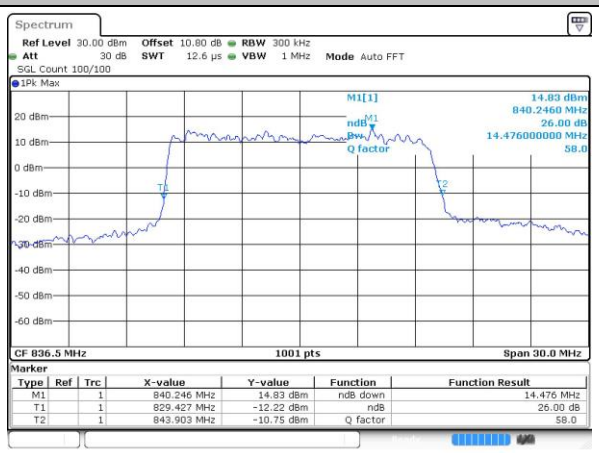
Lowest Channel / 15MHz / QPSK



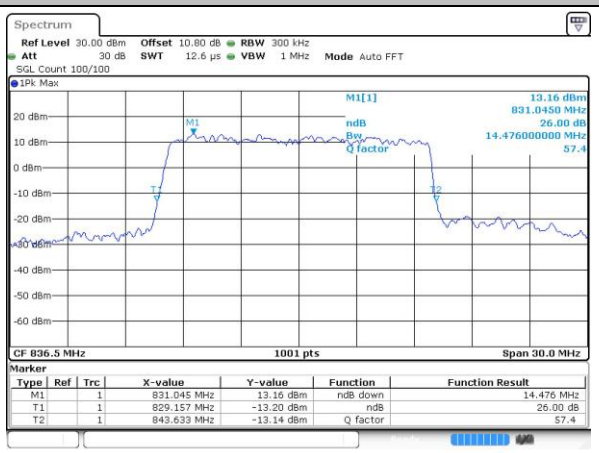
Lowest Channel / 15MHz / 16QAM



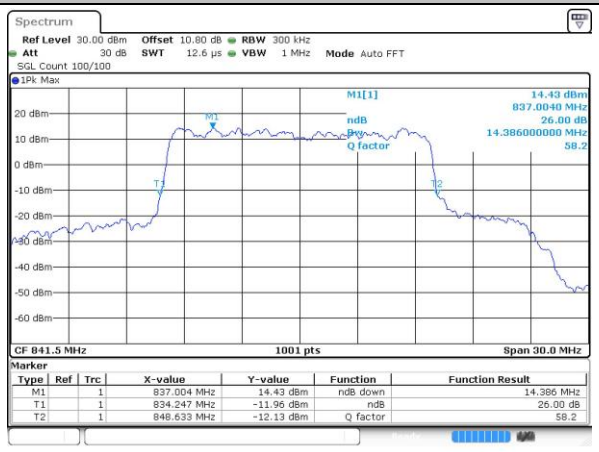
Middle Channel / 15MHz / QPSK



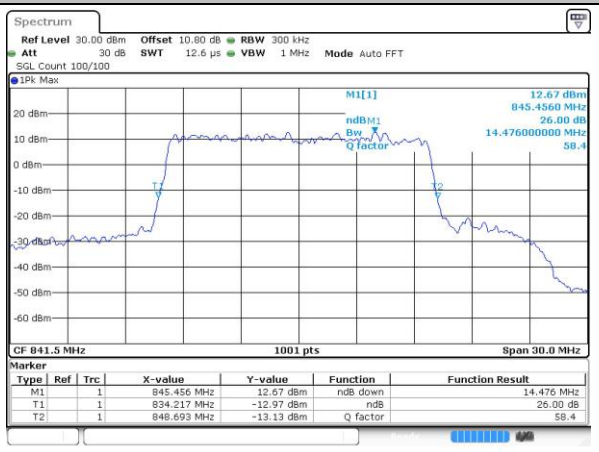
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM

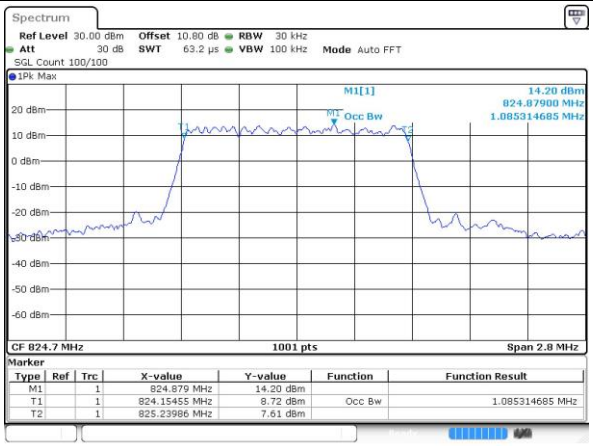


Occupied Bandwidth

Mode	LTE Band 26 : 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	2.72	2.72	4.48	4.51	9.03	9.07	13.55	13.49	-	-
Middle CH	1.09	1.09	2.70	2.72	4.47	4.50	8.99	8.93	13.46	13.43	-	-
Highest CH	1.09	1.09	2.70	2.70	4.48	4.47	8.99	9.07	13.43	13.46	-	-

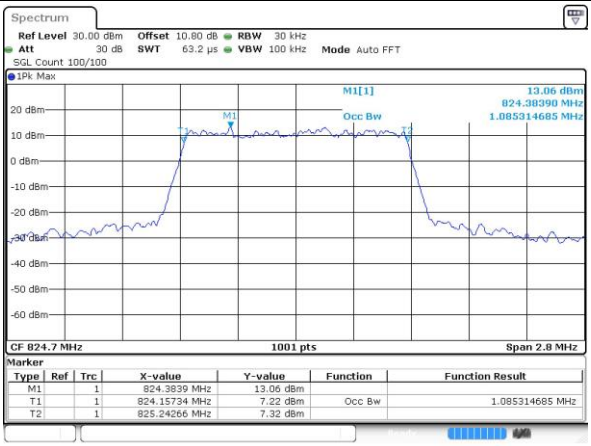
LTE Band 26

Lowest Channel / 1.4MHz / QPSK



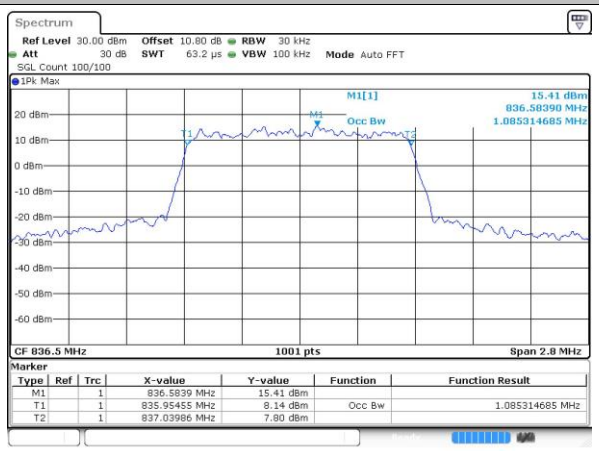
Date: 7.OCT.2018 06:00:11

Lowest Channel / 1.4MHz / 16QAM



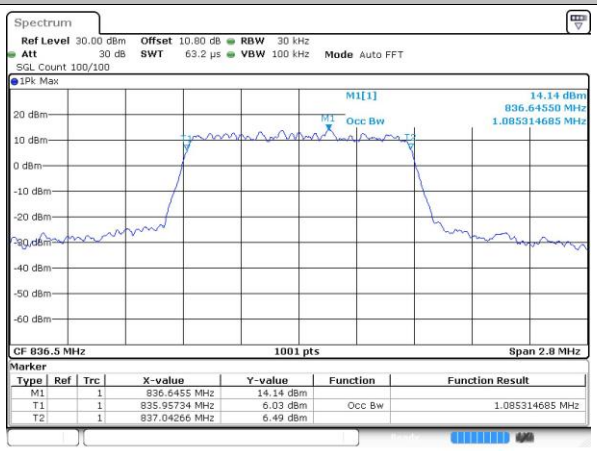
Date: 7.OCT.2018 06:00:23

Middle Channel / 1.4MHz / QPSK



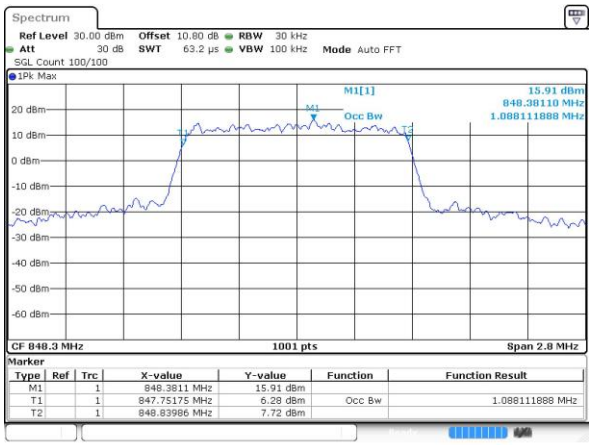
Date: 7.OCT.2018 06:08:38

Middle Channel / 1.4MHz / 16QAM



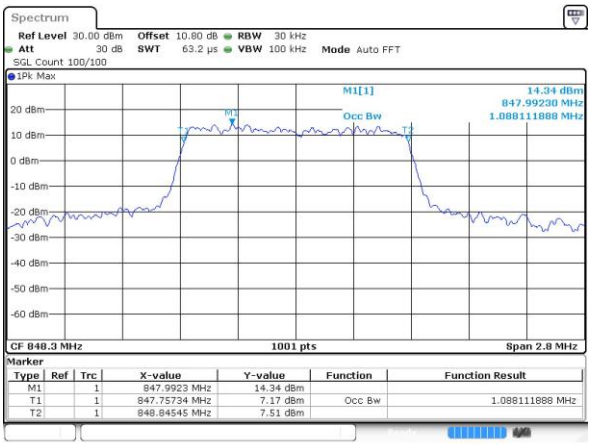
Date: 7.OCT.2018 06:08:49

Highest Channel / 1.4MHz / QPSK



Date: 7.OCT.2018 06:11:04

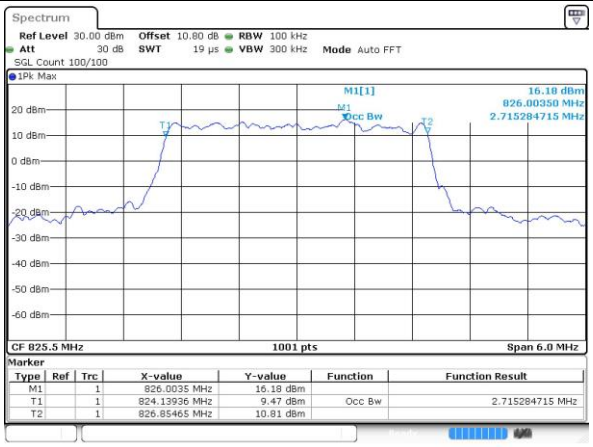
Highest Channel / 1.4MHz / 16QAM



Date: 7.OCT.2018 06:11:15

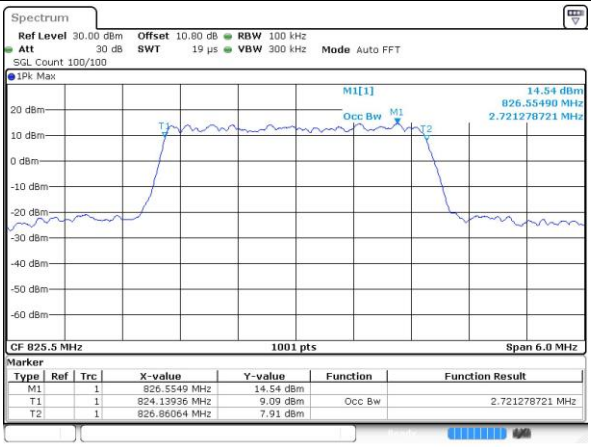
LTE Band 26

Lowest Channel / 3MHz / QPSK



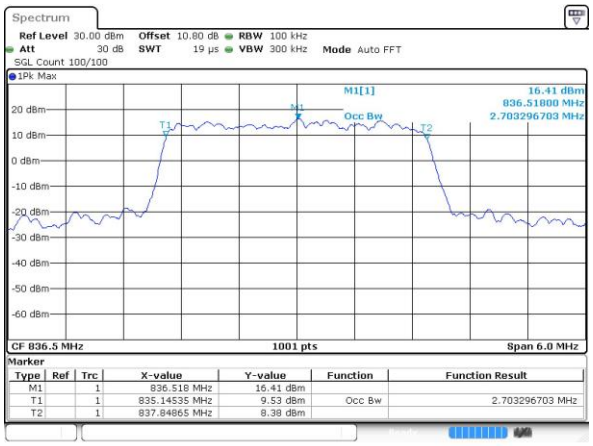
Date: 7.OCT.2018 06:19:30

Lowest Channel / 3MHz / 16QAM



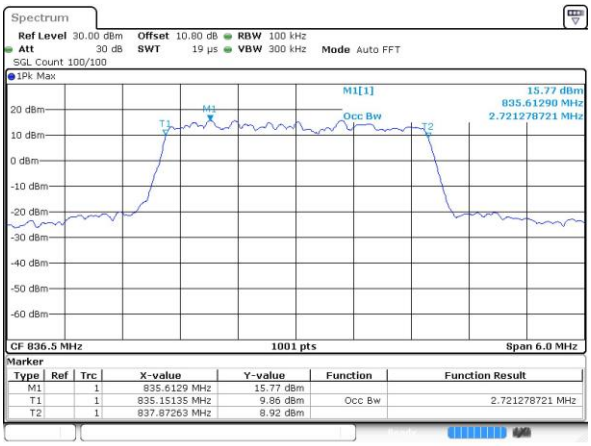
Date: 7.OCT.2018 06:19:42

Middle Channel / 3MHz / QPSK



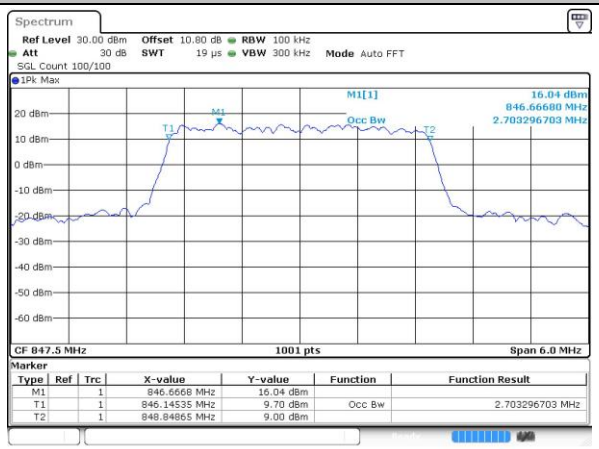
Date: 7.OCT.2018 06:27:56

Middle Channel / 3MHz / 16QAM



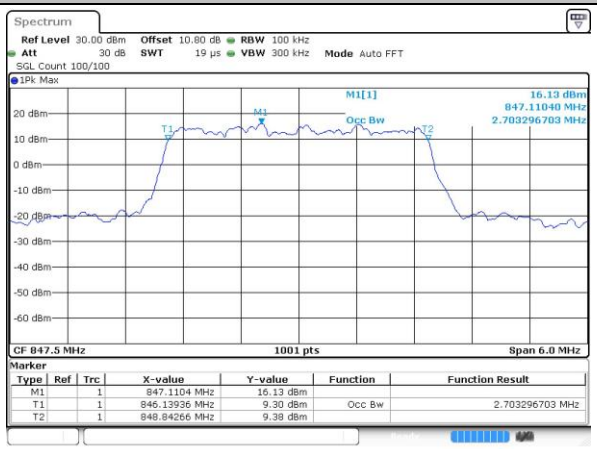
Date: 7.OCT.2018 06:28:08

Highest Channel / 3MHz / QPSK



Date: 7.OCT.2018 06:30:22

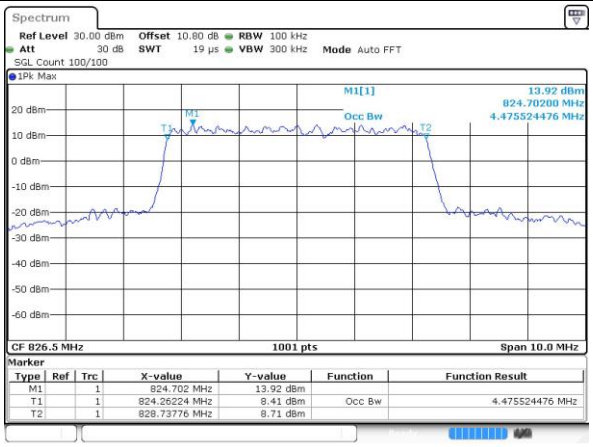
Highest Channel / 3MHz / 16QAM



Date: 7.OCT.2018 06:30:34

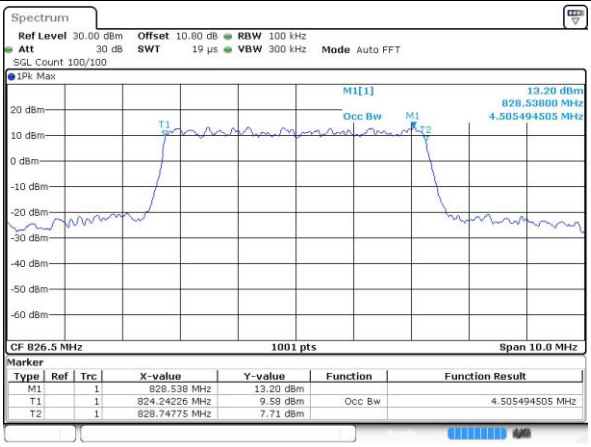
LTE Band 26

Lowest Channel / 5MHz / QPSK



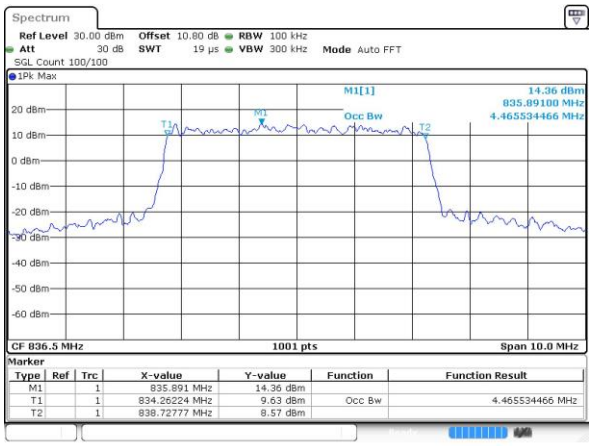
Date: 7.OCT.2018 06:38:49

Lowest Channel / 5MHz / 16QAM



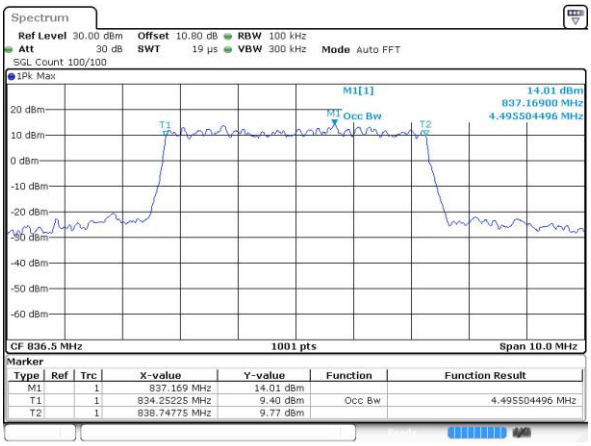
Date: 7.OCT.2018 06:39:00

Middle Channel / 5MHz / QPSK



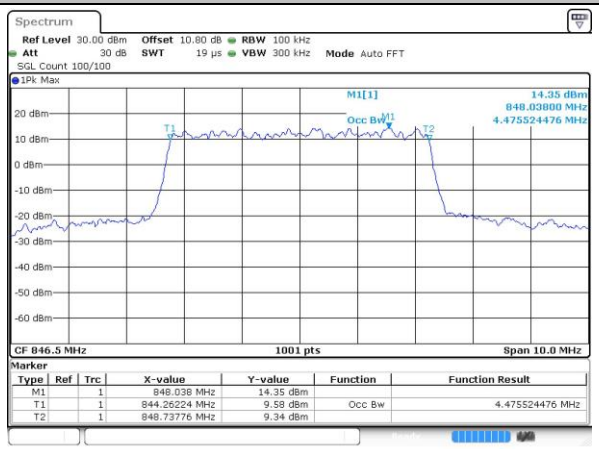
Date: 7.OCT.2018 06:47:15

Middle Channel / 5MHz / 16QAM



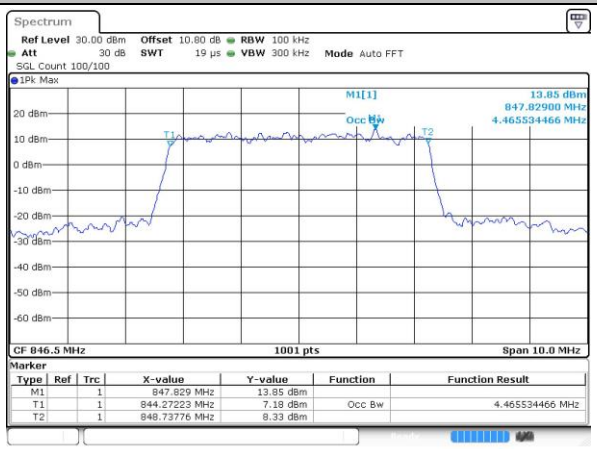
Date: 7.OCT.2018 06:47:26

Highest Channel / 5MHz / QPSK



Date: 7.OCT.2018 06:49:41

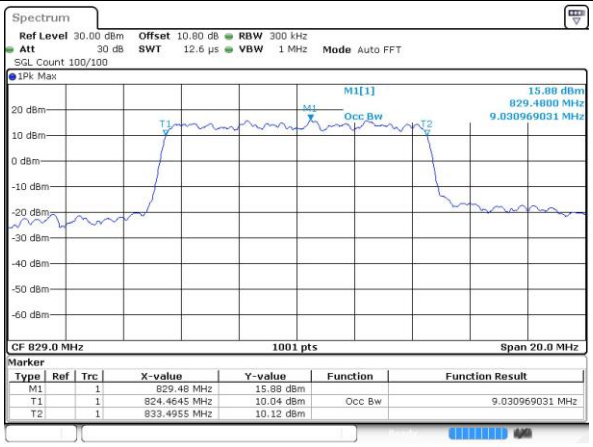
Highest Channel / 5MHz / 16QAM



Date: 7.OCT.2018 06:49:52

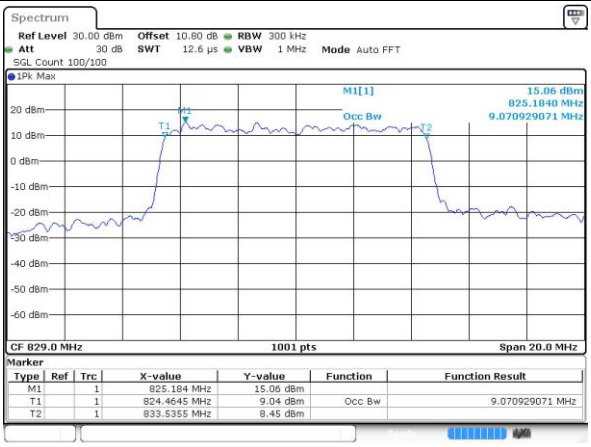
LTE Band 26

Lowest Channel / 10MHz / QPSK



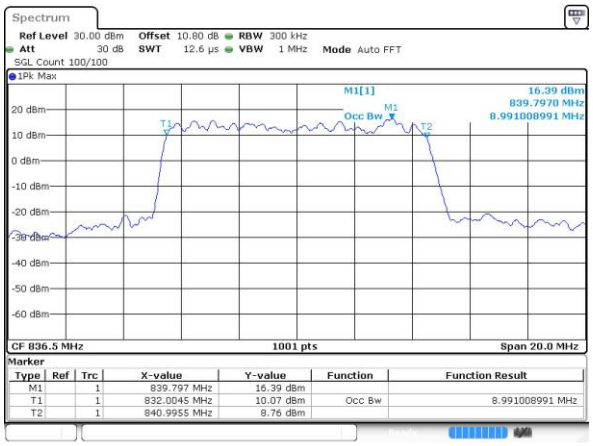
Date: 7.OCT.2018 06:58:07

Lowest Channel / 10MHz / 16QAM



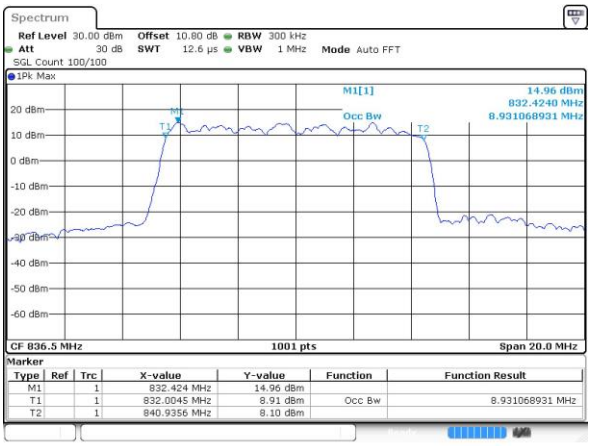
Date: 7.OCT.2018 06:58:18

Middle Channel / 10MHz / QPSK



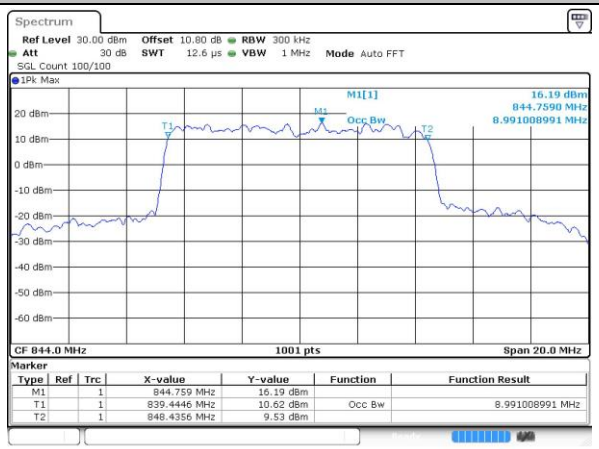
Date: 7.OCT.2018 07:06:33

Middle Channel / 10MHz / 16QAM



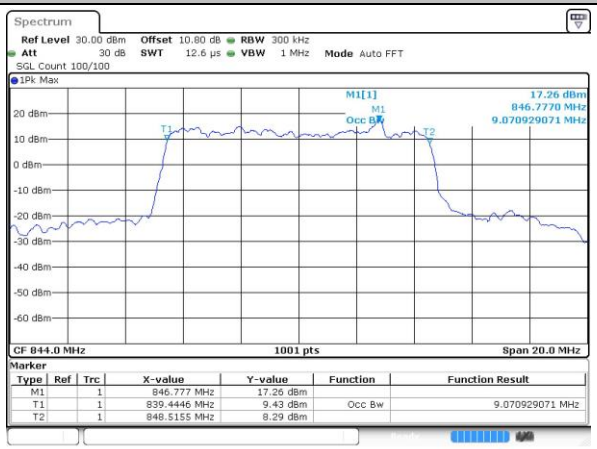
Date: 7.OCT.2018 07:06:44

Highest Channel / 10MHz / QPSK



Date: 7.OCT.2018 07:08:59

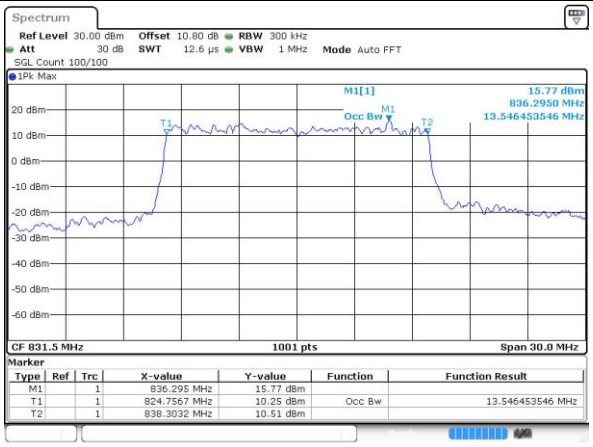
Highest Channel / 10MHz / 16QAM



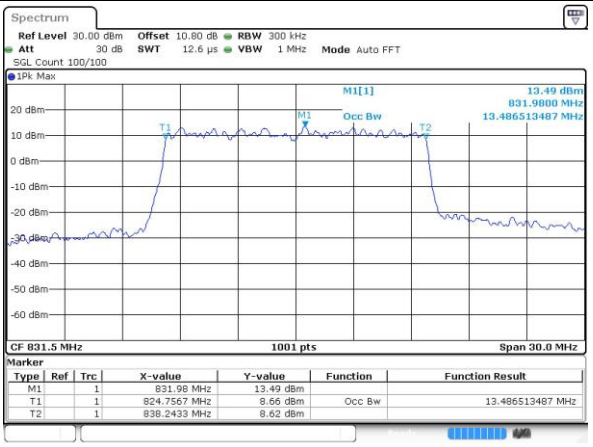
Date: 7.OCT.2018 07:09:11

LTE Band 26

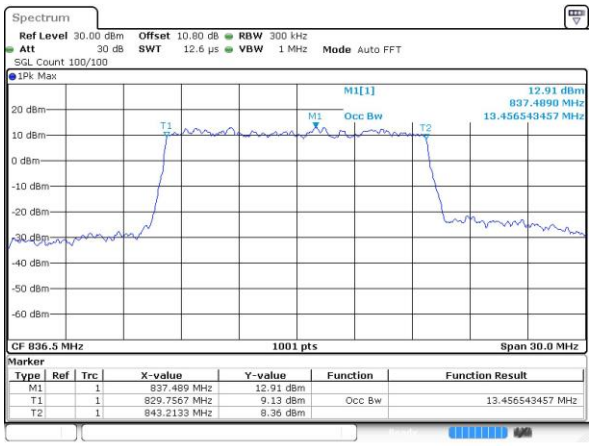
Lowest Channel / 15MHz / QPSK



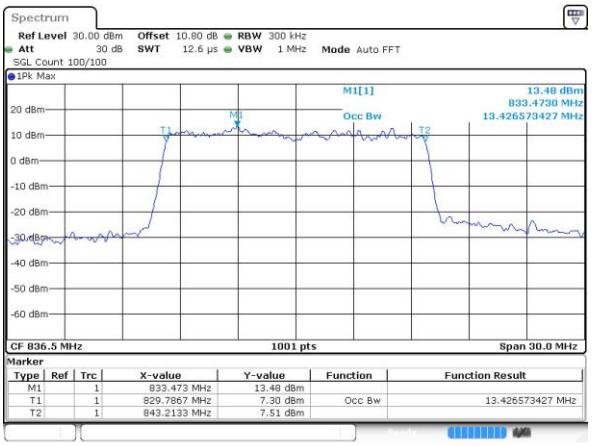
Lowest Channel / 15MHz / 16QAM



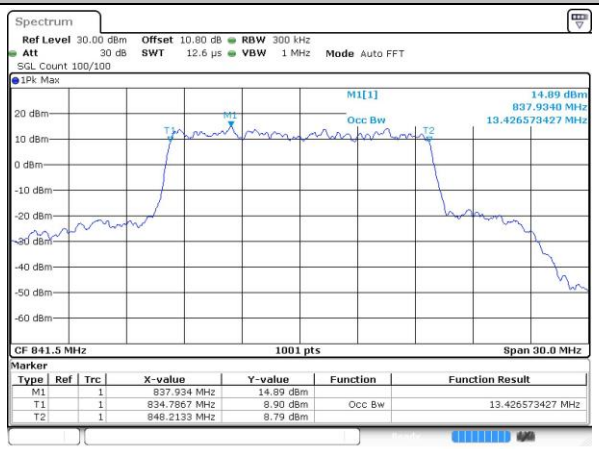
Middle Channel / 15MHz / QPSK



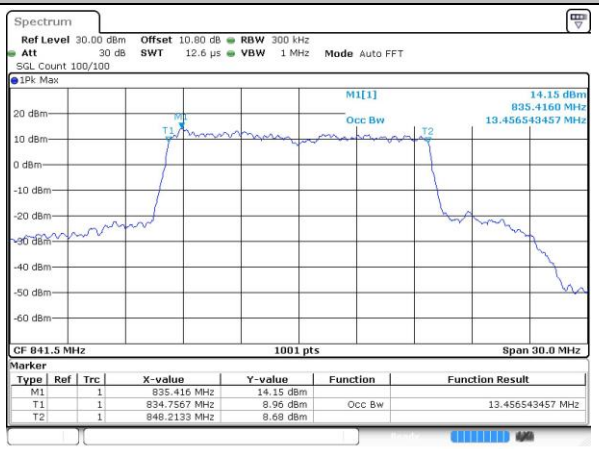
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



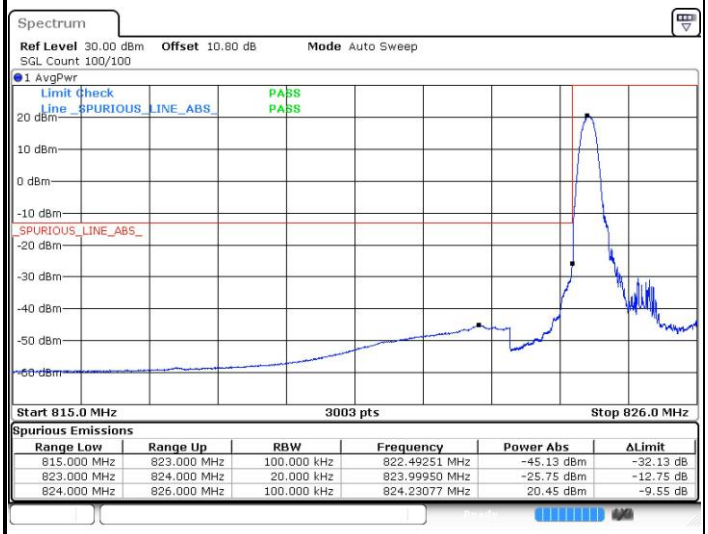
Highest Channel / 15MHz / 16QAM



Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

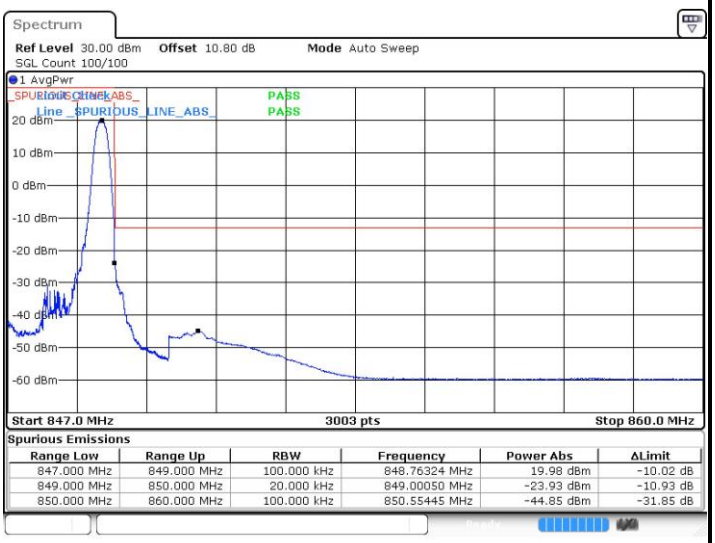


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.49251 MHz	-45.13 dBm	-32.13 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-25.75 dBm	-12.75 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.23077 MHz	20.45 dBm	-9.55 dB

Date: 7.OCT.2018 06:06:46

Highest Band Edge / 1RB

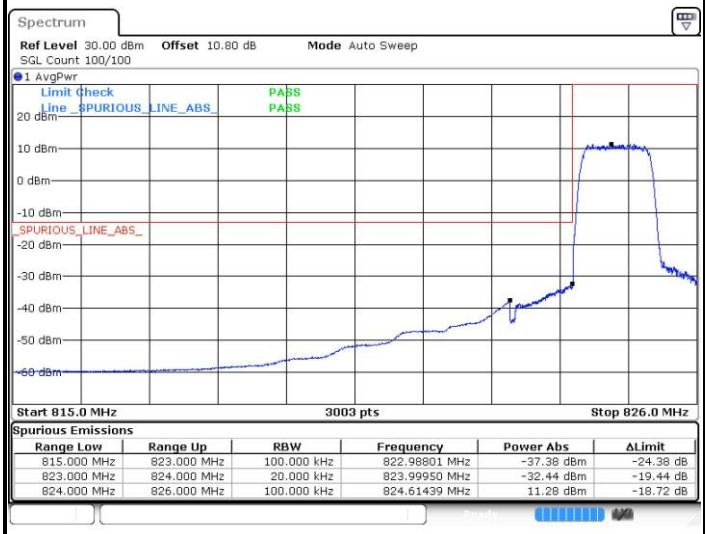


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76324 MHz	19.98 dBm	-10.02 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-23.93 dBm	-10.93 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.55445 MHz	-44.85 dBm	-31.85 dB

Date: 7.OCT.2018 06:13:08

Lowest Band Edge / Full RB

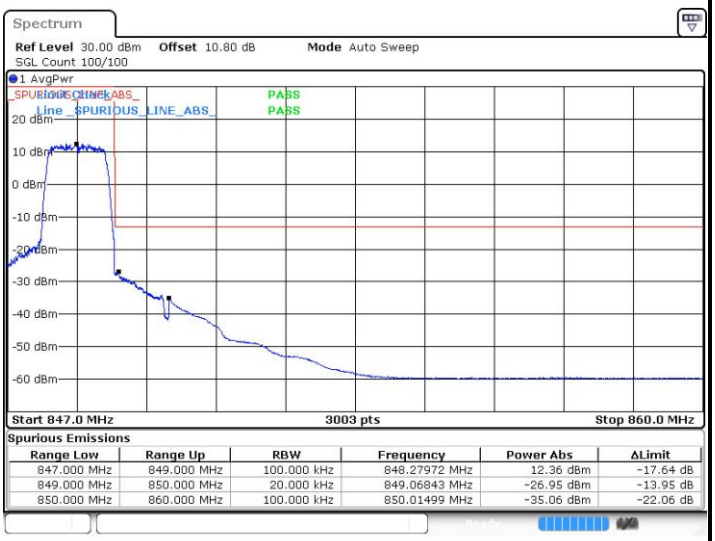


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-37.38 dBm	-24.38 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-32.44 dBm	-19.44 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.61439 MHz	11.28 dBm	-18.72 dB

Date: 7.OCT.2018 06:02:15

Highest Band Edge / Full RB



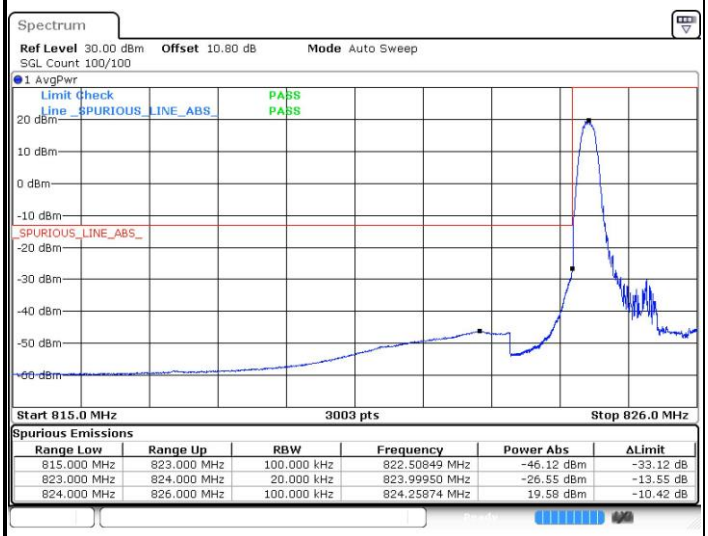
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.27972 MHz	12.36 dBm	-17.64 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.06843 MHz	-26.95 dBm	-13.95 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-35.06 dBm	-22.06 dB

Date: 7.OCT.2018 06:17:38

LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

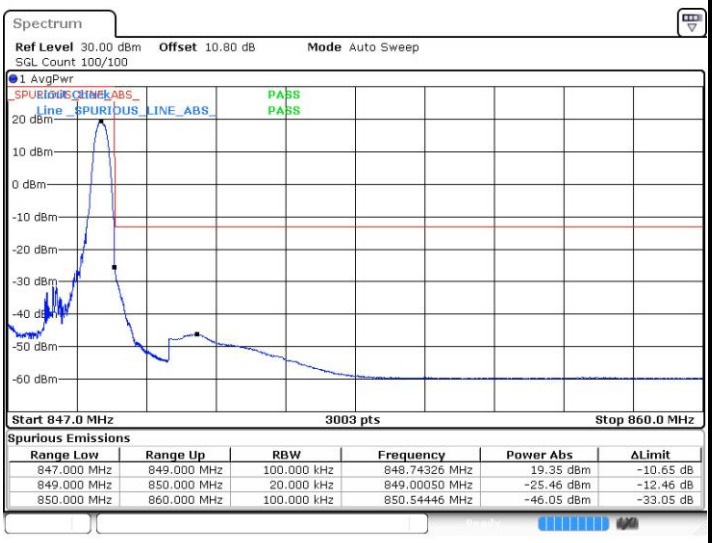


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.50849 MHz	-46.12 dBm	-33.12 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-26.55 dBm	-13.55 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25874 MHz	19.58 dBm	-10.42 dB

Date: 7.OCT.2018 06:05:16

Highest Band Edge / 1 RB

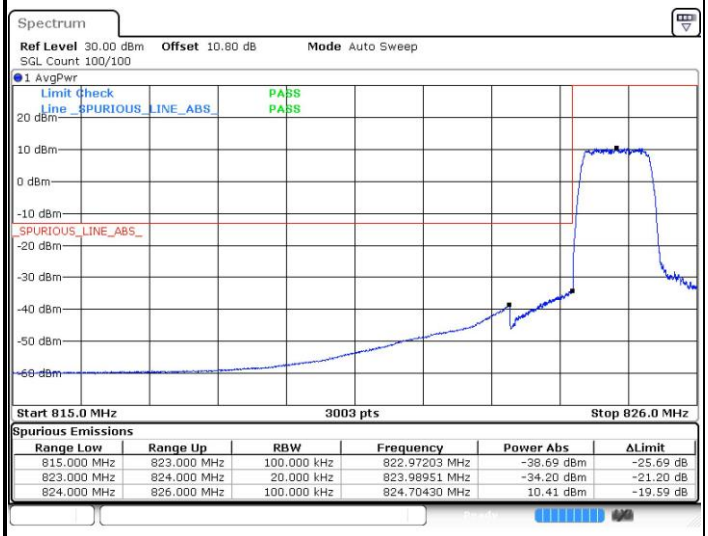


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.74326 MHz	19.35 dBm	-10.65 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-25.46 dBm	-12.46 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.54446 MHz	-46.05 dBm	-33.05 dB

Date: 7.OCT.2018 06:14:38

Lowest Band Edge / Full RB

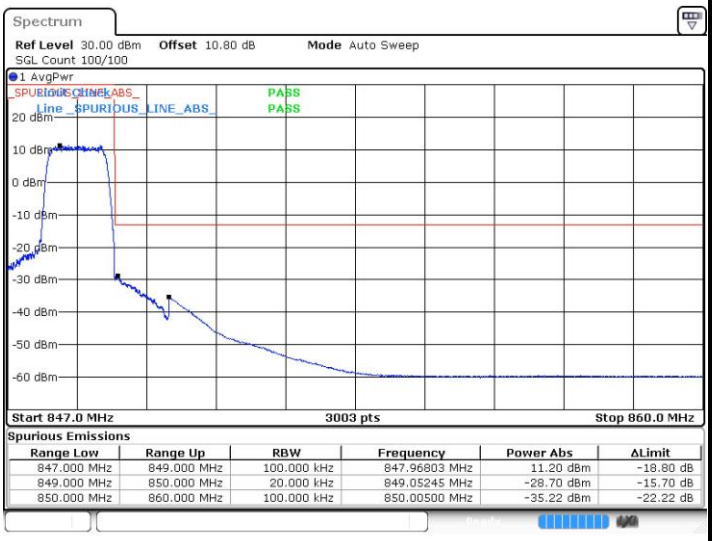


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-38.69 dBm	-25.69 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.98951 MHz	-34.20 dBm	-21.20 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.70430 MHz	10.41 dBm	-19.59 dB

Date: 7.OCT.2018 06:03:45

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	847.96803 MHz	11.20 dBm	-18.80 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.05245 MHz	-28.70 dBm	-15.70 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-35.22 dBm	-22.22 dB

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