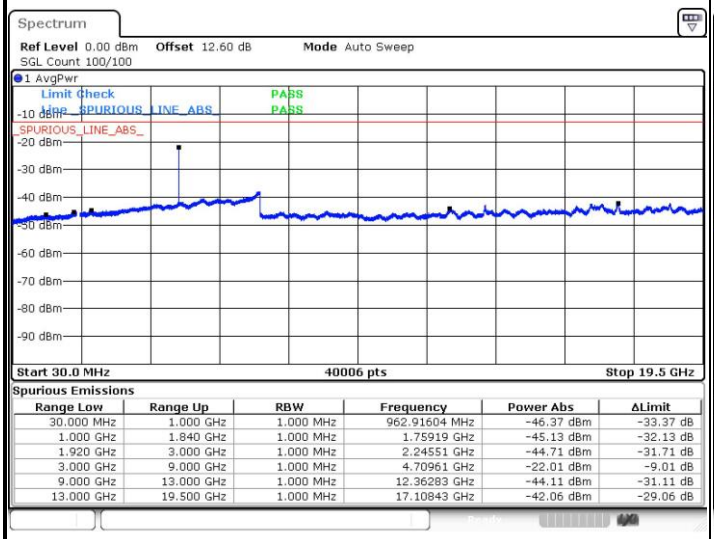
LTE Band 25 / 1.4MHz

Lowest Channel / 64QAM

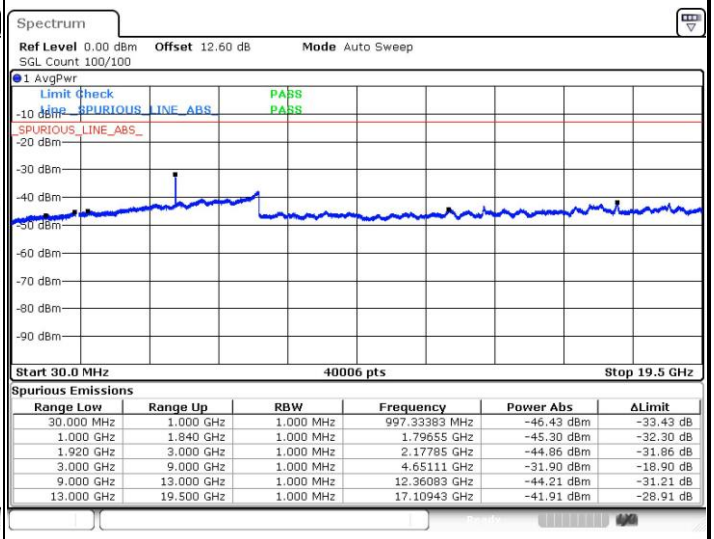


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-46.37 dBm	-33.37 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.75919 GHz	-45.13 dBm	-32.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.24551 GHz	-44.71 dBm	-31.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70961 GHz	-22.01 dBm	-9.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36283 GHz	-44.11 dBm	-31.11 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10843 GHz	-42.06 dBm	-29.06 dB

Date: 11.SEP.2018 09:40:48

Middle Channel / 64QAM

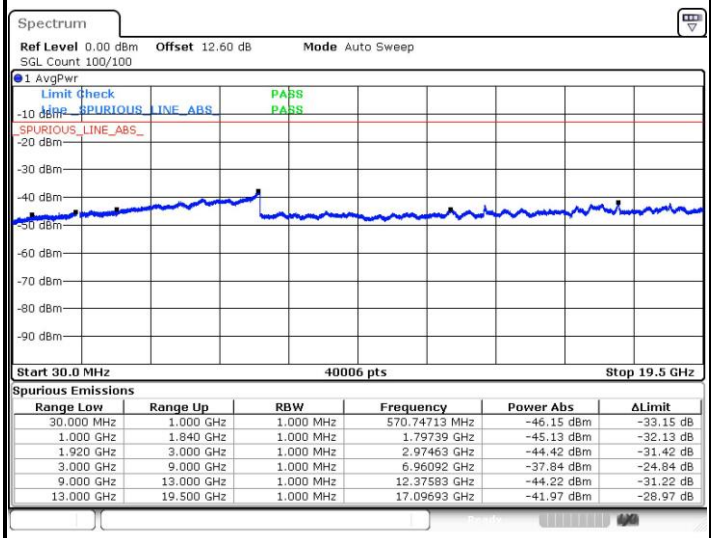


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-46.43 dBm	-33.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79655 GHz	-45.30 dBm	-32.30 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.17785 GHz	-44.86 dBm	-31.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.65111 GHz	-31.90 dBm	-18.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36083 GHz	-44.21 dBm	-31.21 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10943 GHz	-41.91 dBm	-28.91 dB

Date: 11.SEP.2018 09:42:29

Highest Channel / 64QAM



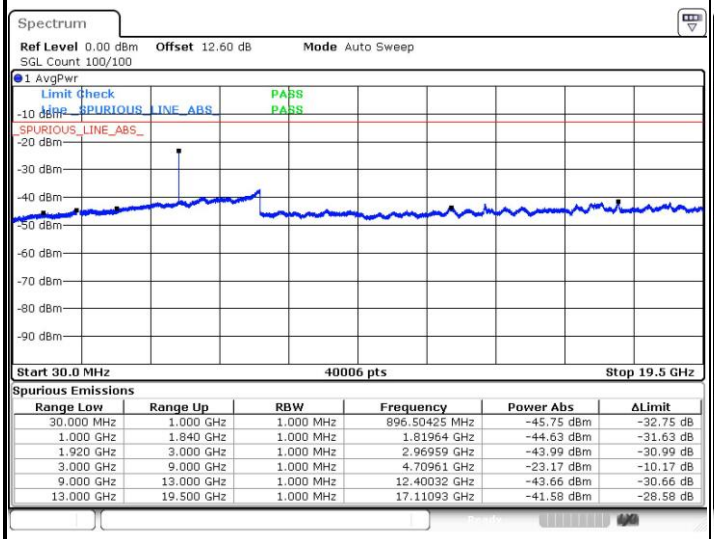
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	570.74713 MHz	-46.15 dBm	-33.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79739 GHz	-45.13 dBm	-32.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97463 GHz	-44.42 dBm	-31.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96092 GHz	-37.84 dBm	-24.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37583 GHz	-44.22 dBm	-31.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.09693 GHz	-41.97 dBm	-28.97 dB

Date: 11.SEP.2018 09:46:33

LTE Band 25 / 3MHz

Lowest Channel / 64QAM

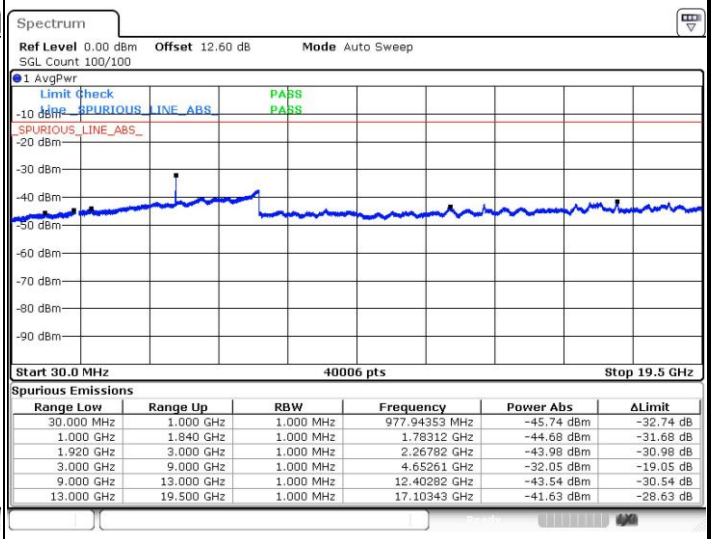


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-45.75 dBm	-32.75 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81964 GHz	-44.63 dBm	-31.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96959 GHz	-43.99 dBm	-30.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70961 GHz	-23.17 dBm	-10.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.40032 GHz	-43.66 dBm	-30.66 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11093 GHz	-41.58 dBm	-28.58 dB

Date: 10.SEP.2018 18:02:14

Middle Channel / 64QAM

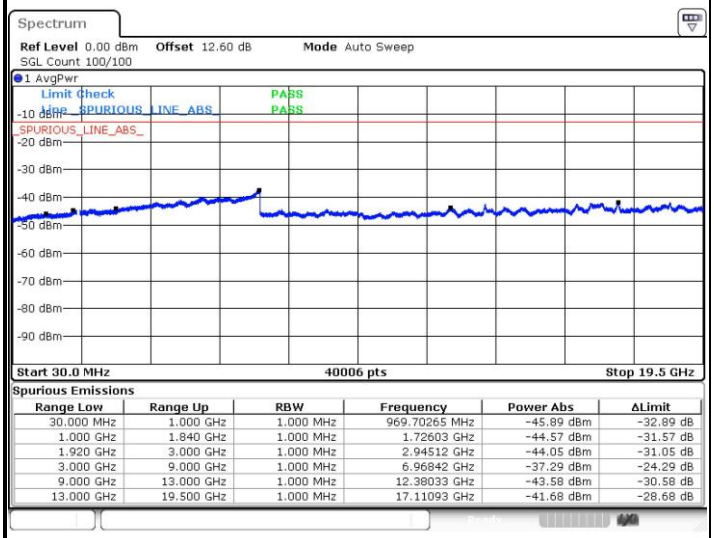


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-45.74 dBm	-32.74 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78312 GHz	-44.68 dBm	-31.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.26782 GHz	-43.98 dBm	-30.98 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.65261 GHz	-32.05 dBm	-19.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.40282 GHz	-43.54 dBm	-30.54 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10343 GHz	-41.63 dBm	-28.63 dB

Date: 10.SEP.2018 18:03:54

Highest Channel / 64QAM



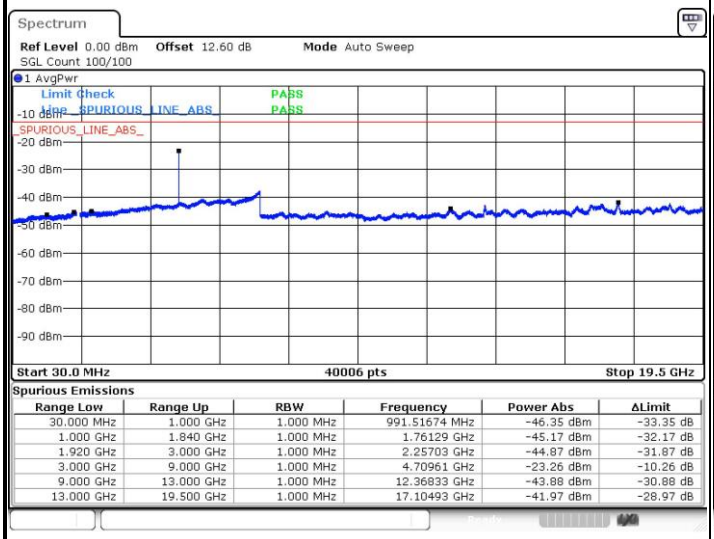
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-45.89 dBm	-32.89 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.72603 GHz	-44.57 dBm	-31.57 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94512 GHz	-44.05 dBm	-31.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96842 GHz	-37.29 dBm	-24.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38033 GHz	-43.58 dBm	-30.58 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11093 GHz	-41.68 dBm	-28.68 dB

Date: 10.SEP.2018 18:07:56

LTE Band 25 / 5MHz

Lowest Channel / 64QAM

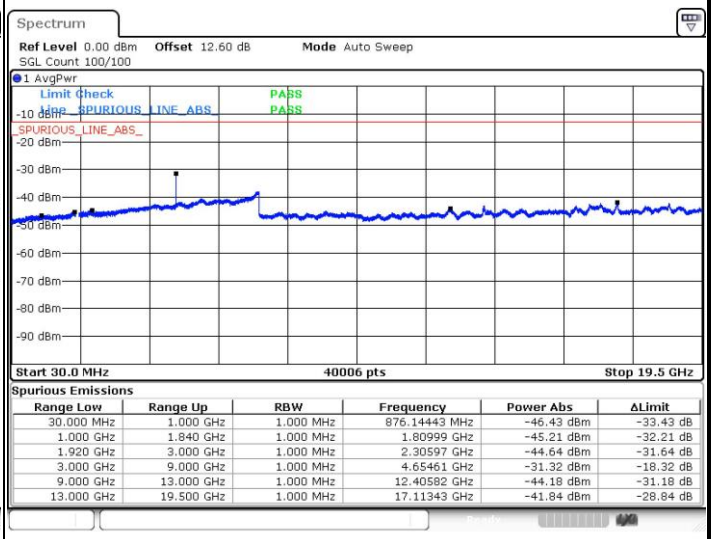


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-46.35 dBm	-33.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76129 GHz	-45.17 dBm	-32.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.25703 GHz	-44.87 dBm	-31.87 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70961 GHz	-23.26 dBm	-10.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.36833 GHz	-43.88 dBm	-30.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10493 GHz	-41.97 dBm	-28.97 dB

Date: 11.SEP.2018 09:58:35

Middle Channel / 64QAM

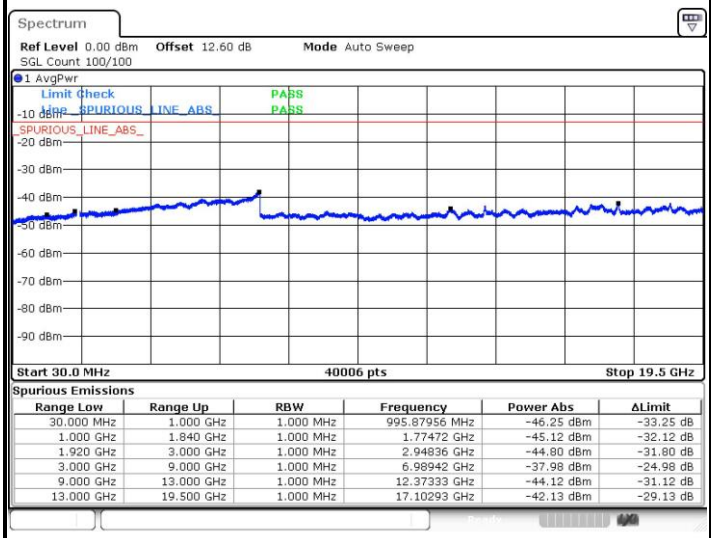


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.14443 MHz	-46.43 dBm	-33.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80999 GHz	-45.21 dBm	-32.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.30597 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.65461 GHz	-31.32 dBm	-18.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.40582 GHz	-44.18 dBm	-31.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11343 GHz	-41.84 dBm	-28.84 dB

Date: 11.SEP.2018 09:57:15

Highest Channel / 64QAM



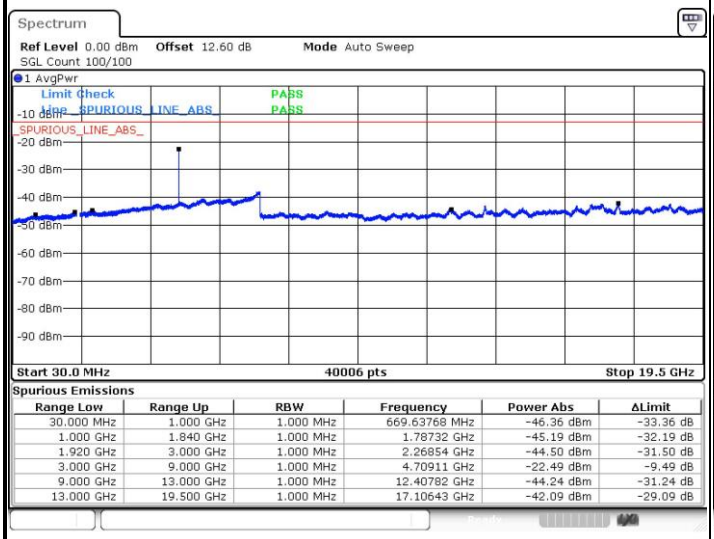
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-46.25 dBm	-33.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77472 GHz	-45.12 dBm	-32.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94836 GHz	-44.80 dBm	-31.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-37.98 dBm	-24.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37333 GHz	-44.12 dBm	-31.12 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10293 GHz	-42.13 dBm	-29.13 dB

Date: 11.SEP.2018 09:07:29

LTE Band 25 / 10MHz

Lowest Channel / 64QAM

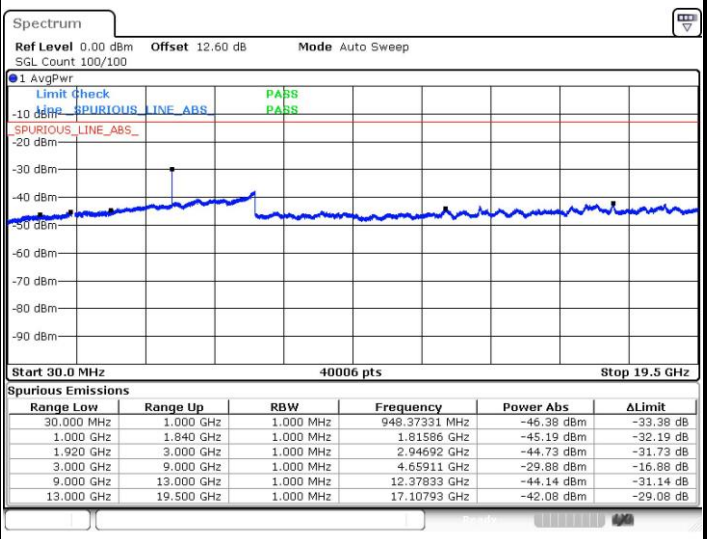


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	669.63768 MHz	-46.36 dBm	-33.36 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78732 GHz	-45.19 dBm	-32.19 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.26854 GHz	-44.50 dBm	-31.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70911 GHz	-22.49 dBm	-9.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.40782 GHz	-44.24 dBm	-31.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10643 GHz	-42.09 dBm	-29.09 dB

Date: 11.SEP.2018 09:11:32

Middle Channel / 64QAM

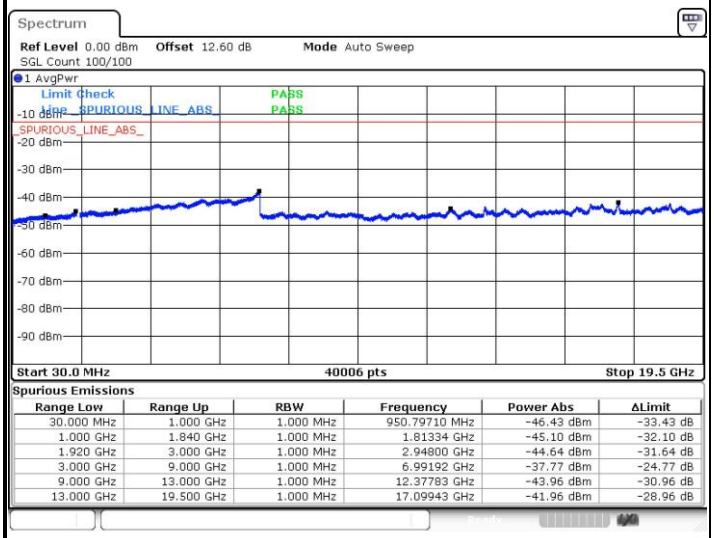


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.37331 MHz	-46.38 dBm	-33.38 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81586 GHz	-45.19 dBm	-32.19 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94692 GHz	-44.73 dBm	-31.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.65911 GHz	-29.88 dBm	-16.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37833 GHz	-44.14 dBm	-31.14 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10793 GHz	-42.08 dBm	-29.08 dB

Date: 11.SEP.2018 09:13:13

Highest Channel / 64QAM



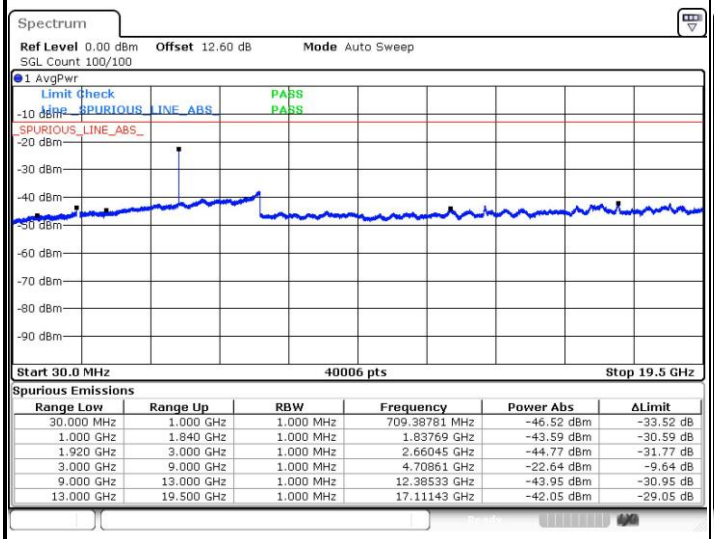
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.79710 MHz	-46.43 dBm	-33.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81334 GHz	-45.10 dBm	-32.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94800 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-37.77 dBm	-24.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37783 GHz	-43.96 dBm	-30.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.09943 GHz	-41.96 dBm	-28.96 dB

Date: 11.SEP.2018 09:17:16

LTE Band 25 / 15MHz

Lowest Channel / 64QAM

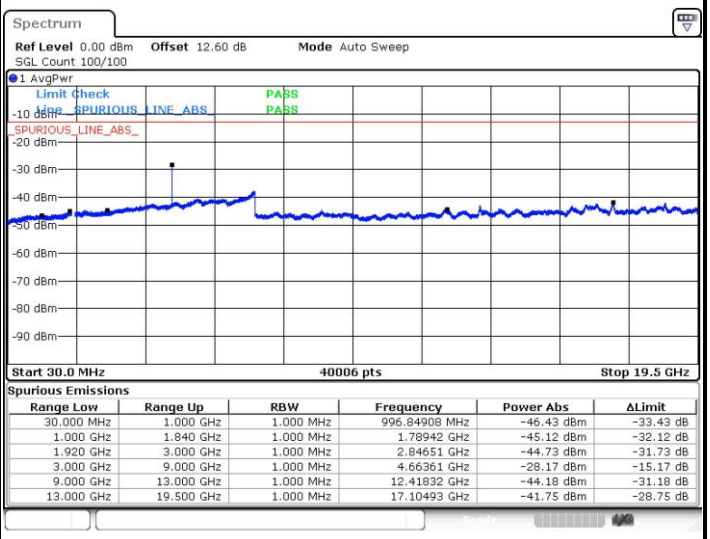


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	709.38781 MHz	-46.52 dBm	-33.52 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-43.59 dBm	-30.59 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66045 GHz	-44.77 dBm	-31.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70861 GHz	-22.64 dBm	-9.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38533 GHz	-43.95 dBm	-30.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11143 GHz	-42.05 dBm	-29.05 dB

Date: 11.SEP.2018 09:21:18

Middle Channel / 64QAM

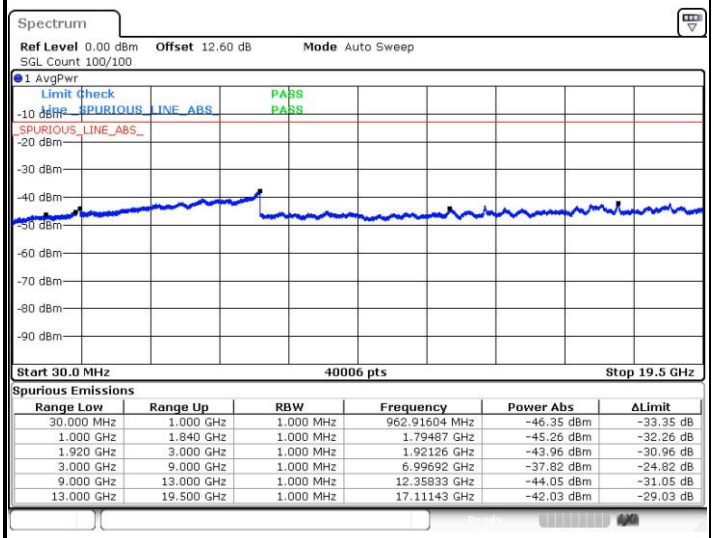


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.84908 MHz	-46.43 dBm	-33.43 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78942 GHz	-45.12 dBm	-32.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84651 GHz	-44.73 dBm	-31.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.66361 GHz	-28.17 dBm	-15.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.41832 GHz	-44.18 dBm	-31.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10493 GHz	-41.75 dBm	-28.75 dB

Date: 11.SEP.2018 09:22:59

Highest Channel / 64QAM



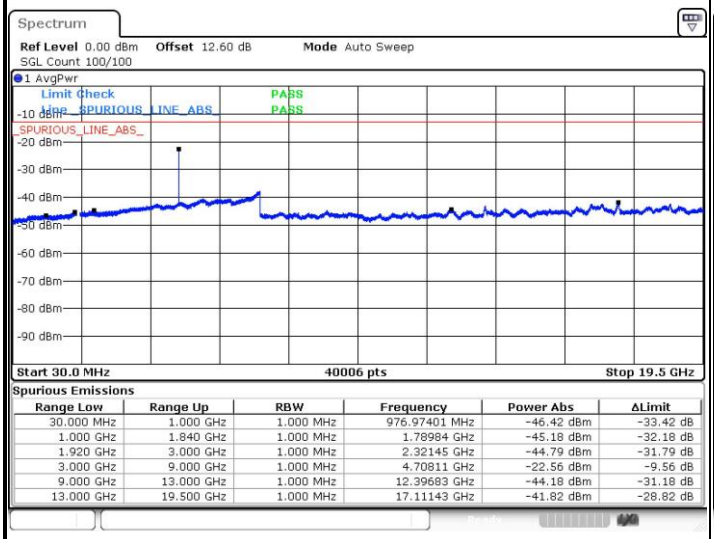
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-46.35 dBm	-33.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79487 GHz	-45.26 dBm	-32.26 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92126 GHz	-43.96 dBm	-30.96 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-37.82 dBm	-24.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.35833 GHz	-44.05 dBm	-31.05 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11143 GHz	-42.03 dBm	-29.03 dB

Date: 11.SEP.2018 09:27:02

LTE Band 25 / 20MHz

Lowest Channel / 64QAM

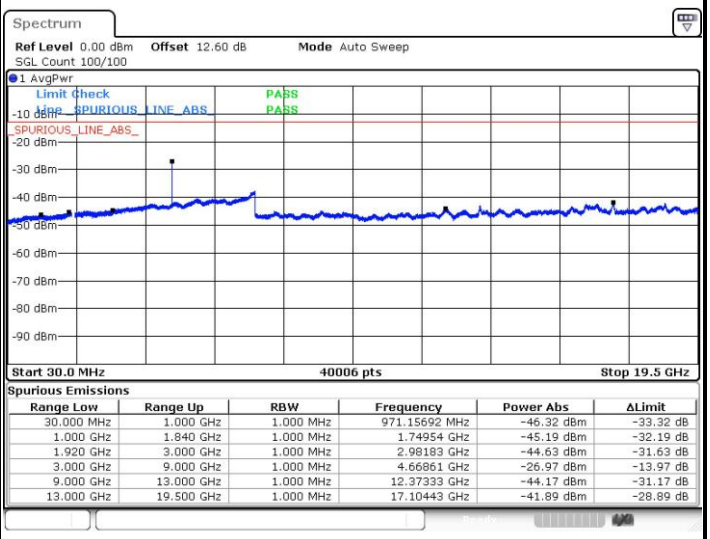


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-46.42 dBm	-33.42 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78984 GHz	-45.18 dBm	-32.18 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.32145 GHz	-44.79 dBm	-31.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.70811 GHz	-22.56 dBm	-9.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.39683 GHz	-44.18 dBm	-31.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.11143 GHz	-41.82 dBm	-28.82 dB

Date: 11.SEP.2018 09:31:03

Middle Channel / 64QAM

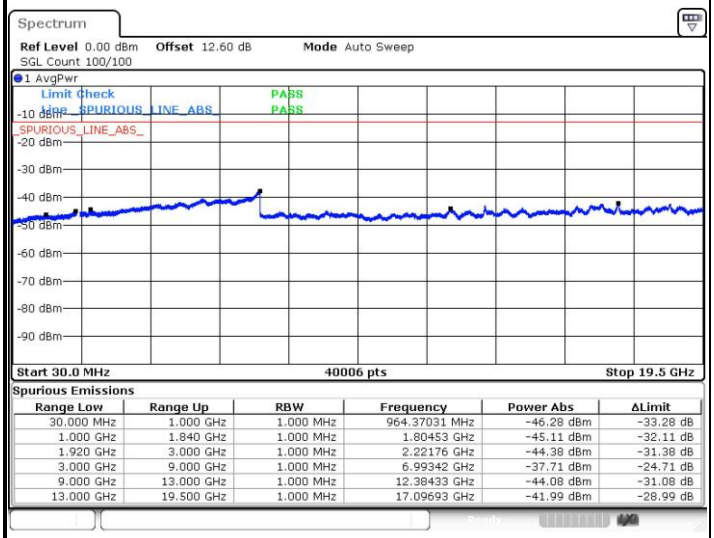


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-46.32 dBm	-33.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74954 GHz	-45.19 dBm	-32.19 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98183 GHz	-44.63 dBm	-31.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	4.66861 GHz	-26.97 dBm	-13.97 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.37333 GHz	-44.17 dBm	-31.17 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.10443 GHz	-41.89 dBm	-28.89 dB

Date: 11.SEP.2018 09:32:44

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-46.28 dBm	-33.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80453 GHz	-45.11 dBm	-32.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.22176 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-37.71 dBm	-24.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38433 GHz	-44.08 dBm	-31.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.09693 GHz	-41.99 dBm	-28.99 dB

Date: 11.SEP.2018 09:36:47

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	0.0027	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0069	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0080	
20	Maximum Voltage	0.0064	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0060	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5V.；Maximum Voltage =4.4V.
2. The frequency fundamental emissions stay within the authorized frequency block.

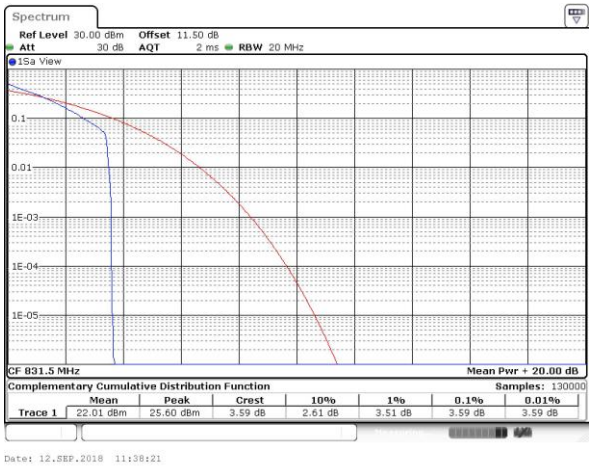
LTE Band 26_Part 22H

Peak-to-Average Ratio

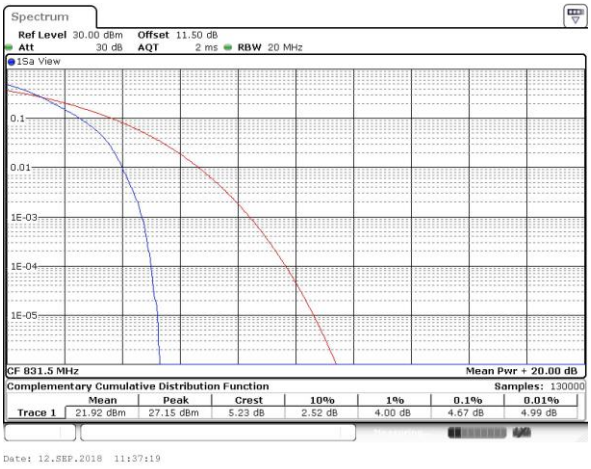
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.67	5.16	6.03	PASS
Middle CH	3.54	4.87	5.3	6.14	
Highest CH	3.65	5.07	5.07	6.29	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.33	6.00	-	-	PASS
Middle CH	5.30	6.09	-	-	
Highest CH	5.59	6.29	-	-	

LTE Band 26 / 15MHz / QPSK

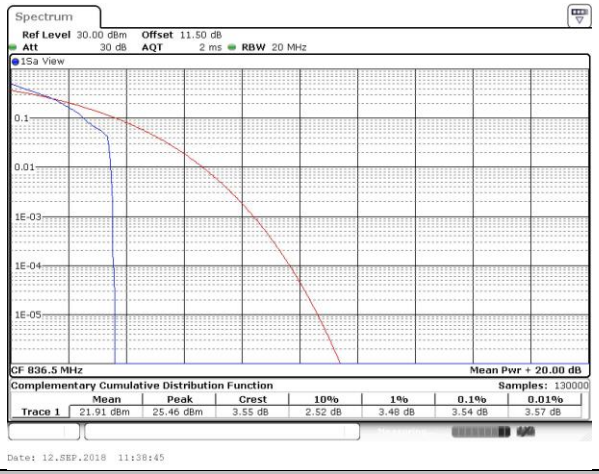
Lowest Channel / 1RB



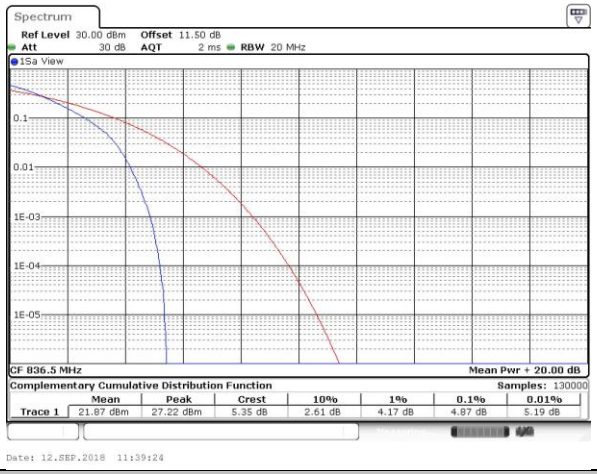
Lowest Channel / Full RB



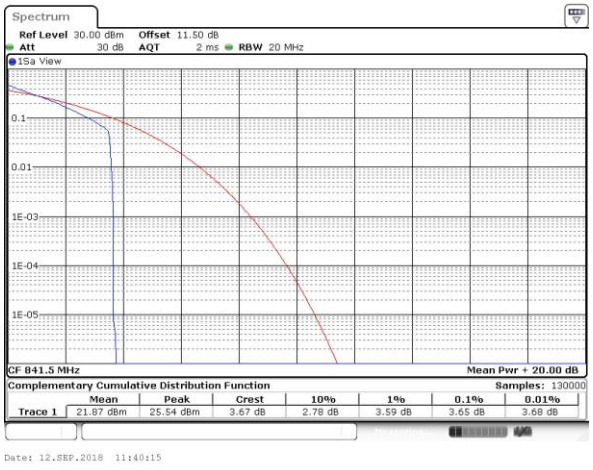
Middle Channel / 1RB



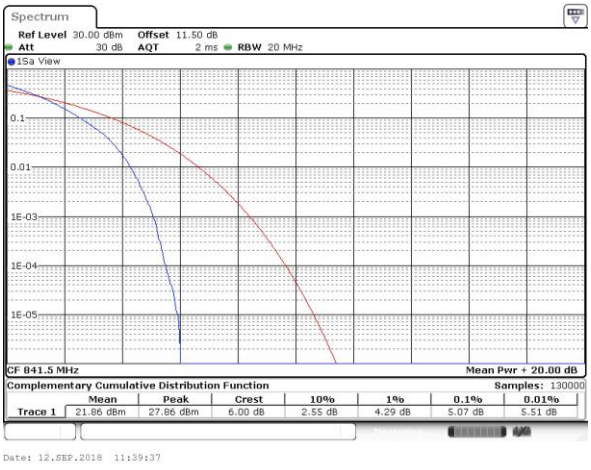
Middle Channel / Full RB



Highest Channel / 1RB

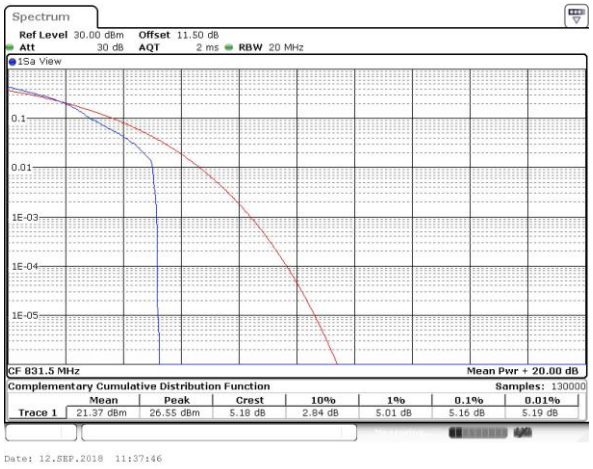


Highest Channel / Full RB

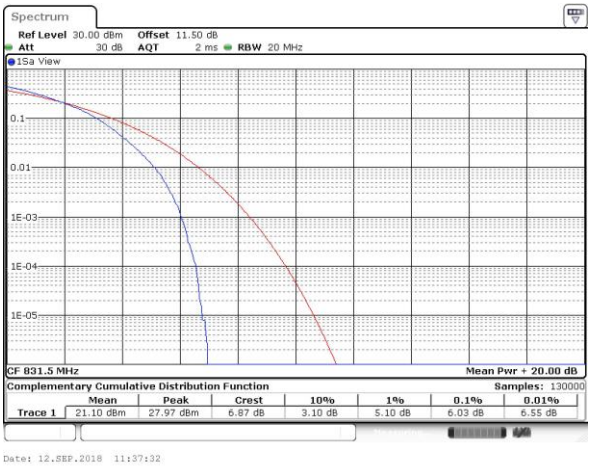


LTE Band 26 / 15MHz / 16QAM

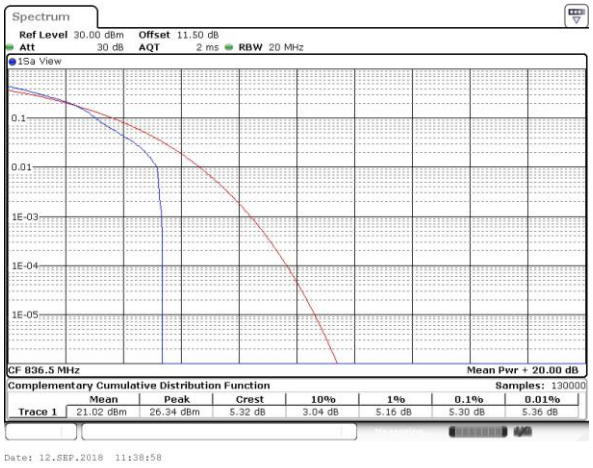
Lowest Channel / 1RB



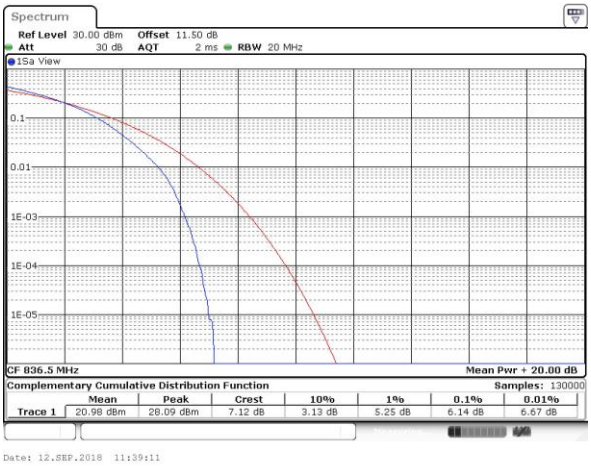
Lowest Channel / Full RB



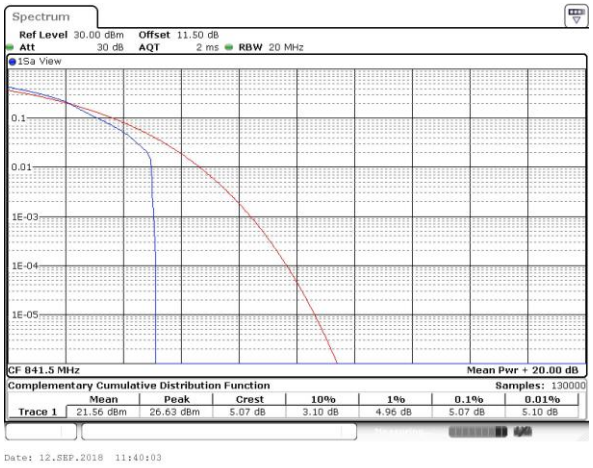
Middle Channel / 1RB



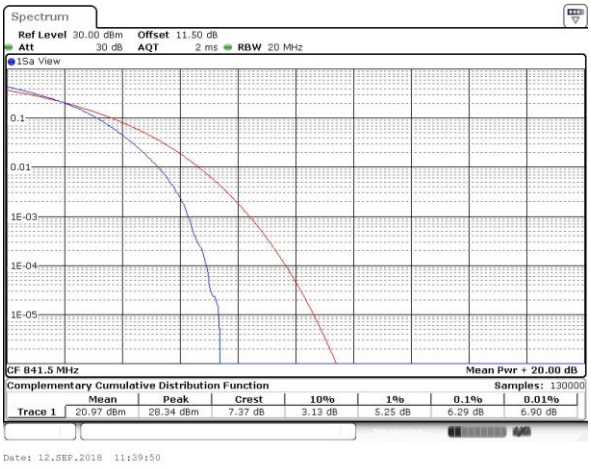
Middle Channel / Full RB



Highest Channel / 1RB

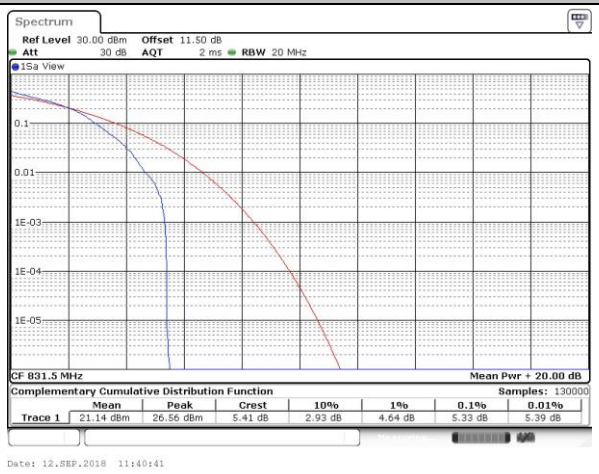


Highest Channel / Full RB

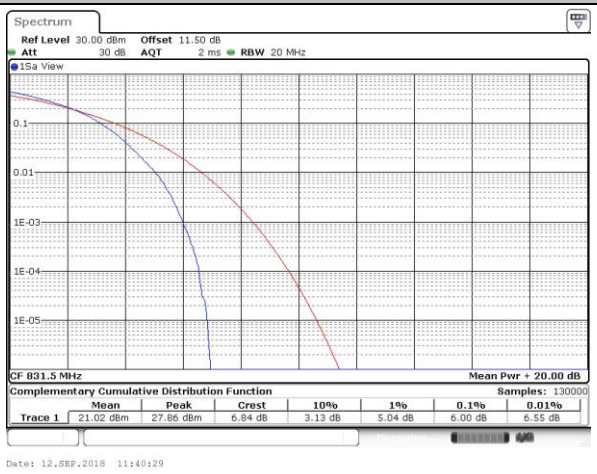


LTE Band 26 / 15MHz / 64QAM

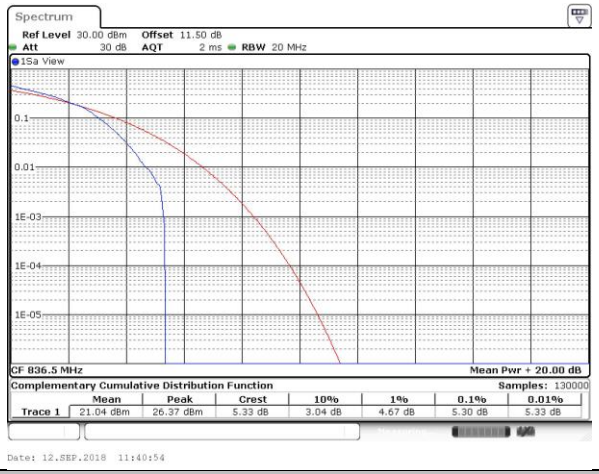
Lowest Channel / 1RB



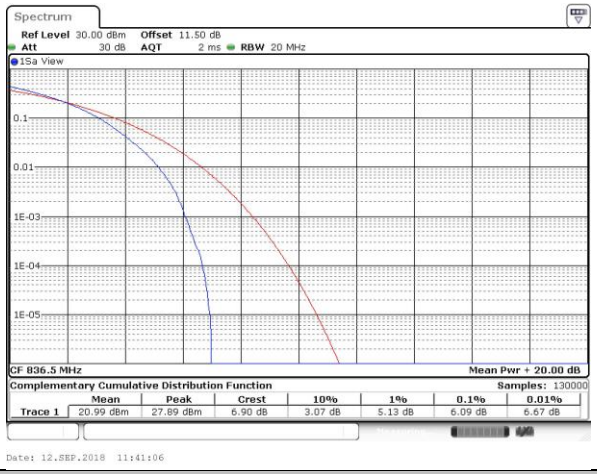
Lowest Channel / Full RB



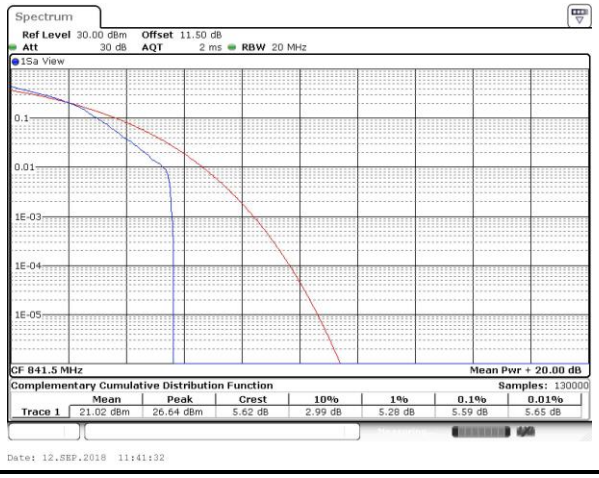
Middle Channel / 1RB



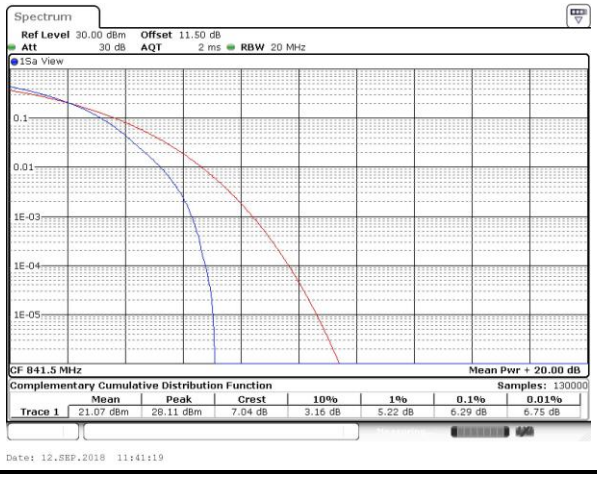
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

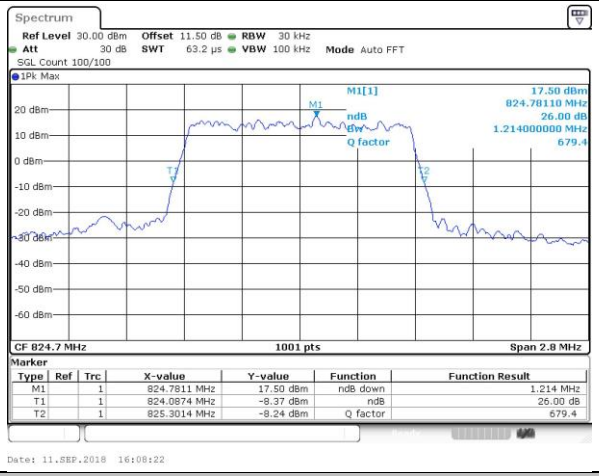


26dB Bandwidth

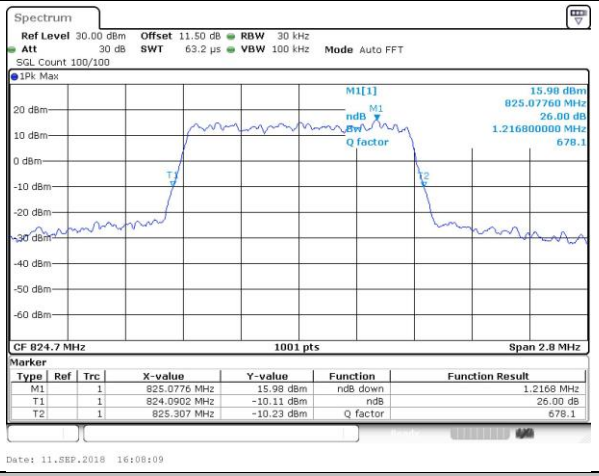
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.21	1.22	3.02	3.05	4.97	4.93	9.75	9.63	14.39	14.39	-	-
Middle CH	1.22	1.23	2.98	3.00	4.93	4.89	9.63	9.85	14.48	14.42	-	-
Highest CH	1.23	1.20	3.03	3.05	4.90	4.83	9.93	9.87	14.45	14.54	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.21	-	3.03	-	4.93	-	9.77	-	14.24	-	-	-
Middle CH	1.22	-	2.97	-	4.92	-	9.83	-	14.36	-	-	-
Highest CH	1.22	-	3.00	-	4.93	-	9.81	-	14.30	-	-	-

LTE Band 26

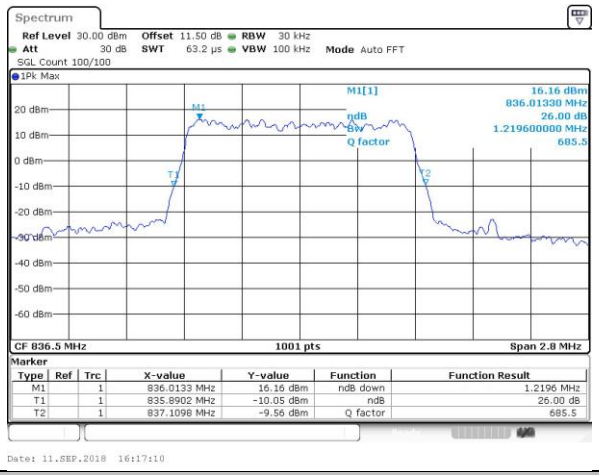
Lowest Channel / 1.4MHz / QPSK



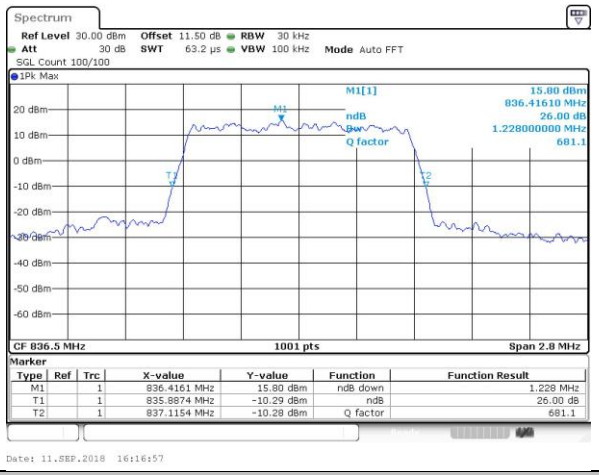
Lowest Channel / 1.4MHz / 16QAM



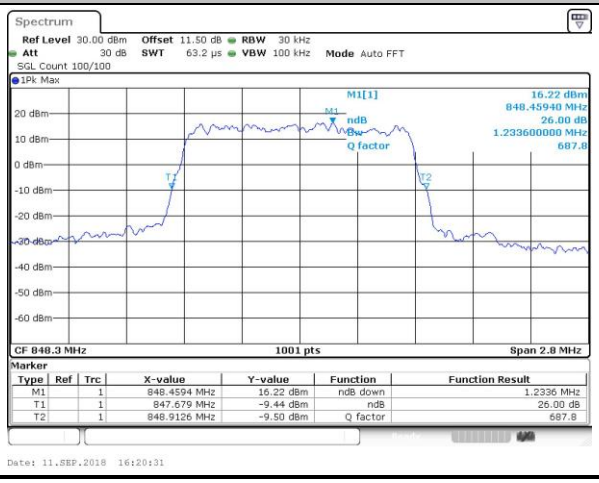
Middle Channel / 1.4MHz / QPSK



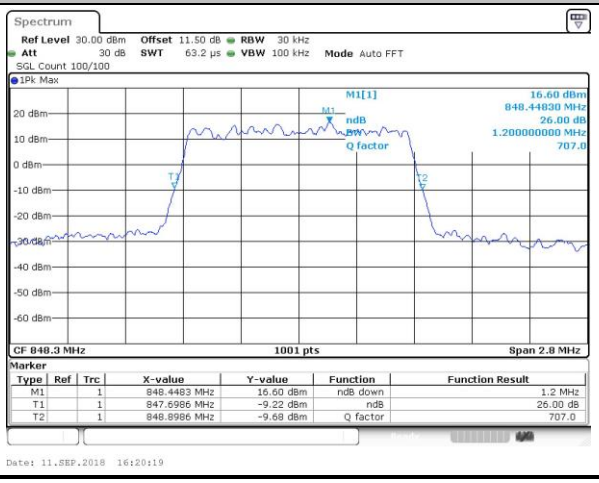
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

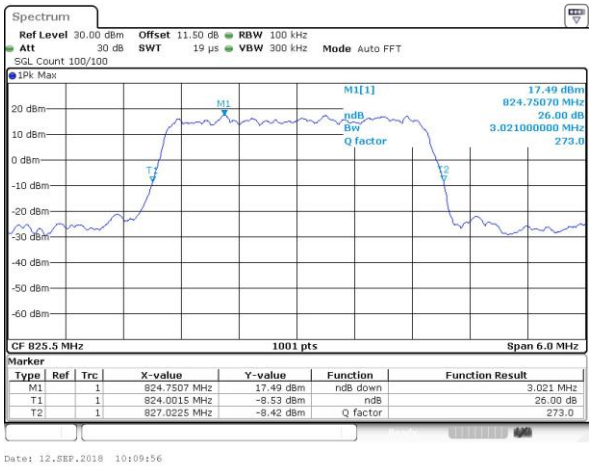


Highest Channel / 1.4MHz / 16QAM

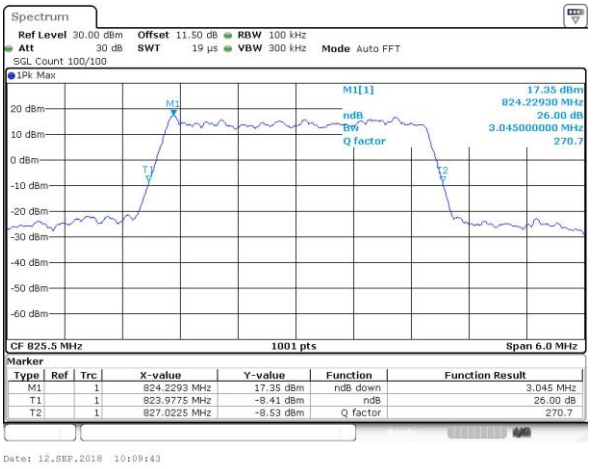


LTE Band 26

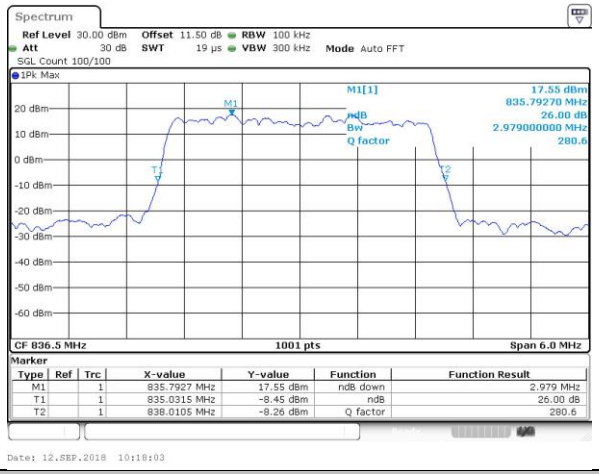
Lowest Channel / 3MHz / QPSK



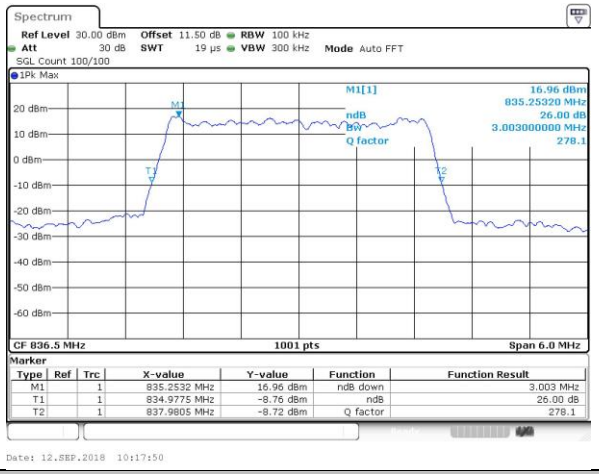
Lowest Channel / 3MHz / 16QAM



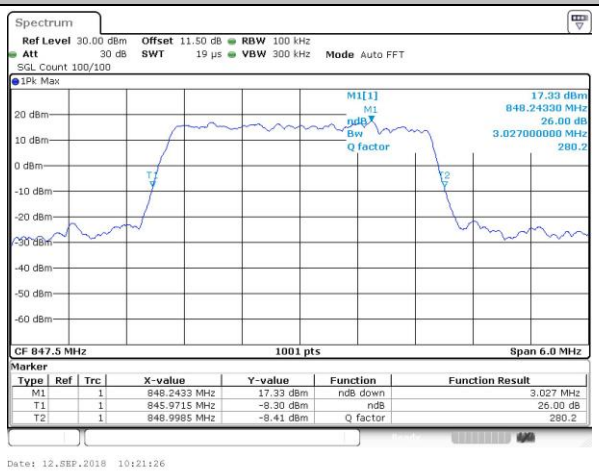
Middle Channel / 3MHz / QPSK



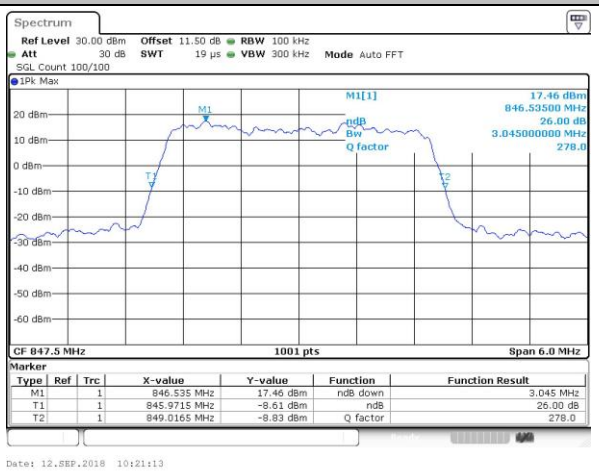
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

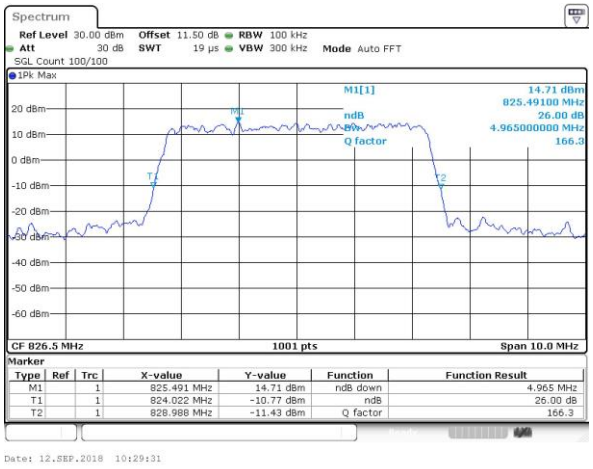


Highest Channel / 3MHz / 16QAM

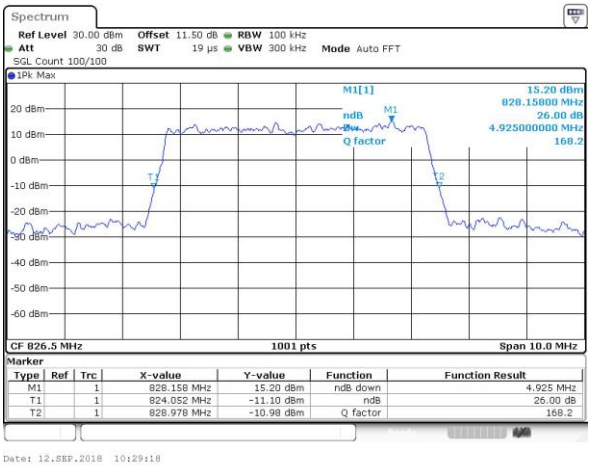


LTE Band 26

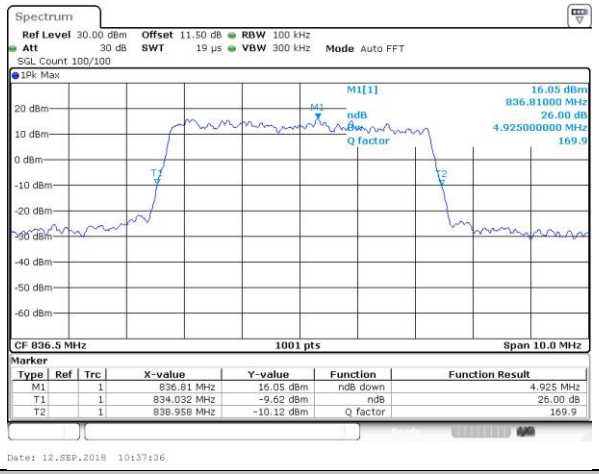
Lowest Channel / 5MHz / QPSK



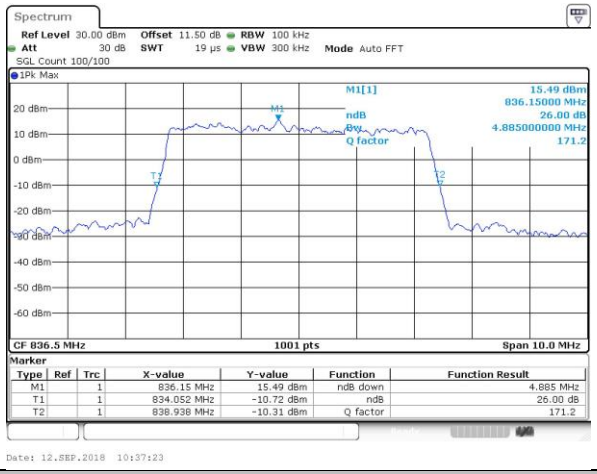
Lowest Channel / 5MHz / 16QAM



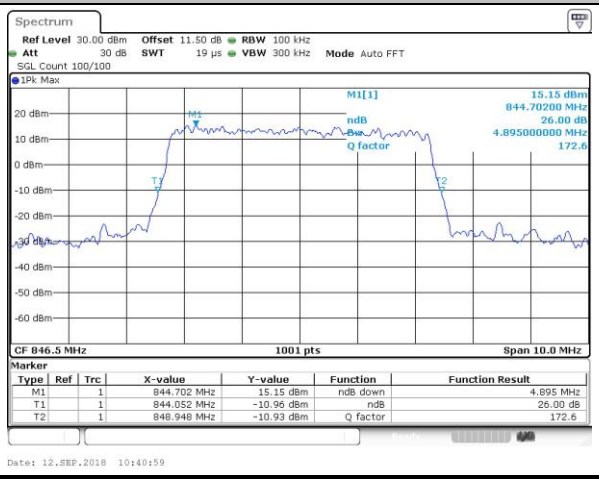
Middle Channel / 5MHz / QPSK



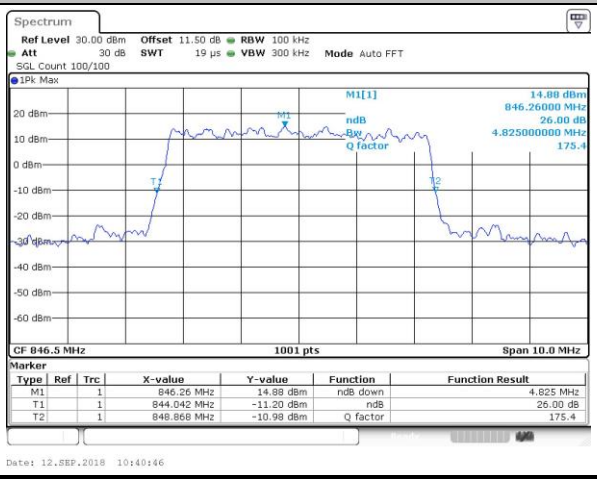
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

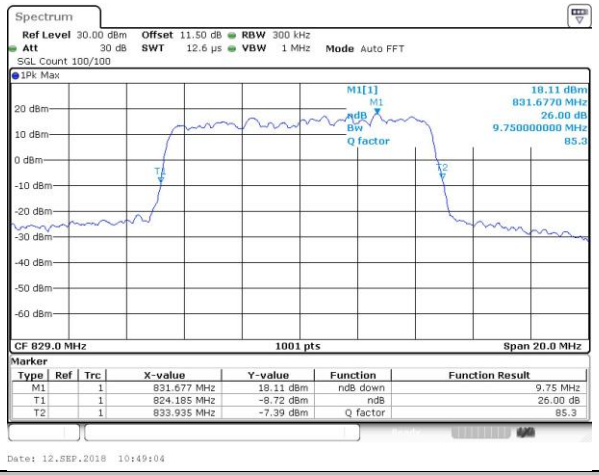


Highest Channel / 5MHz / 16QAM

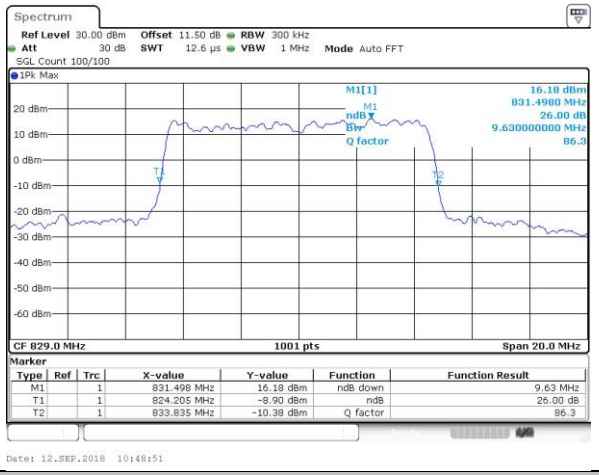


LTE Band 26

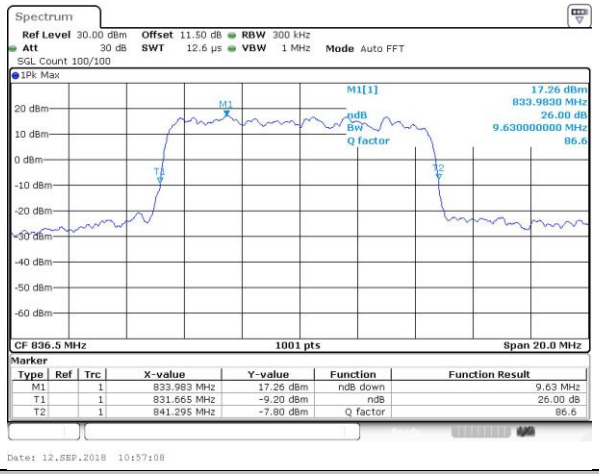
Lowest Channel / 10MHz / QPSK



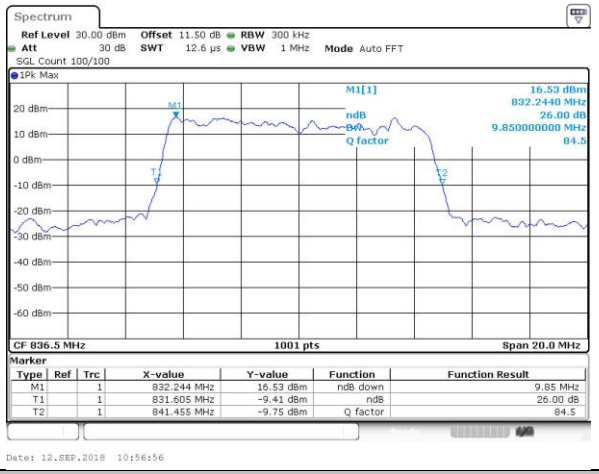
Lowest Channel / 10MHz / 16QAM



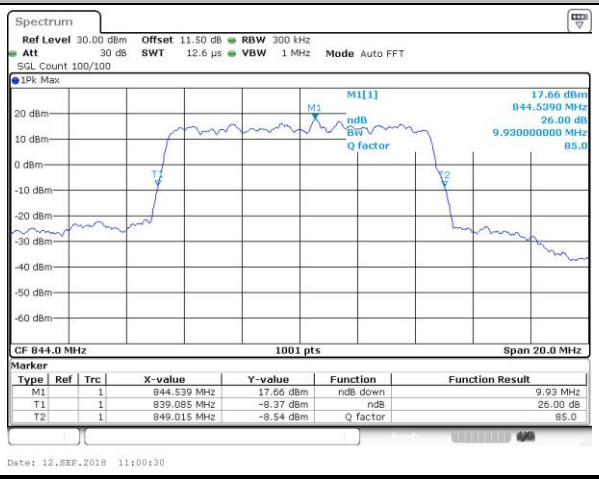
Middle Channel / 10MHz / QPSK



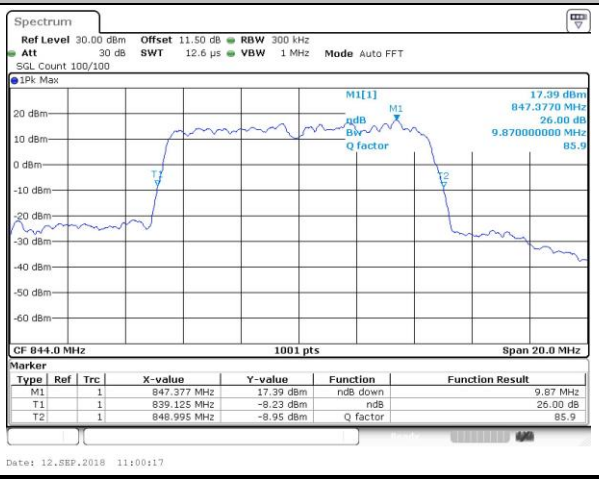
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

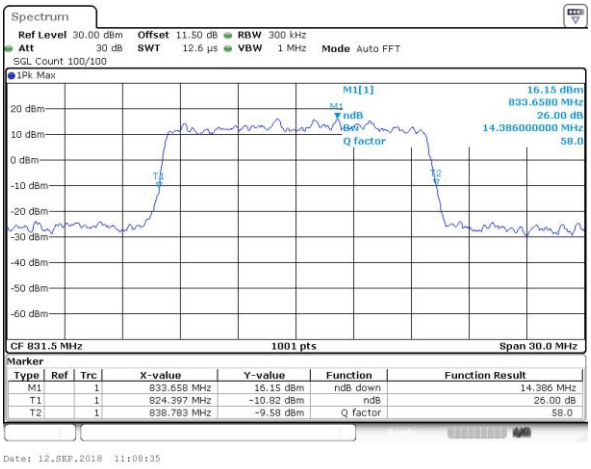


Highest Channel / 10MHz / 16QAM

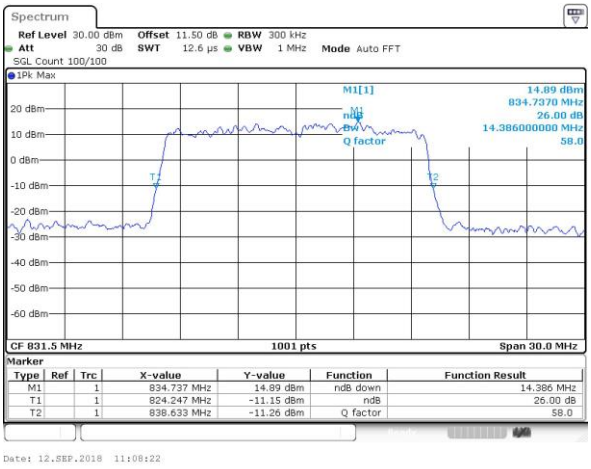


LTE Band 26

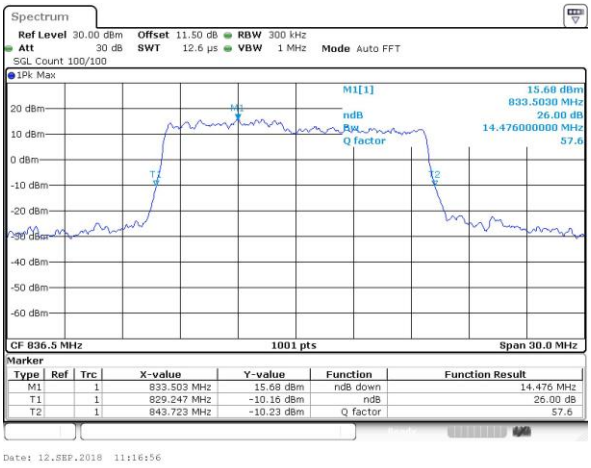
Lowest Channel / 15MHz / QPSK



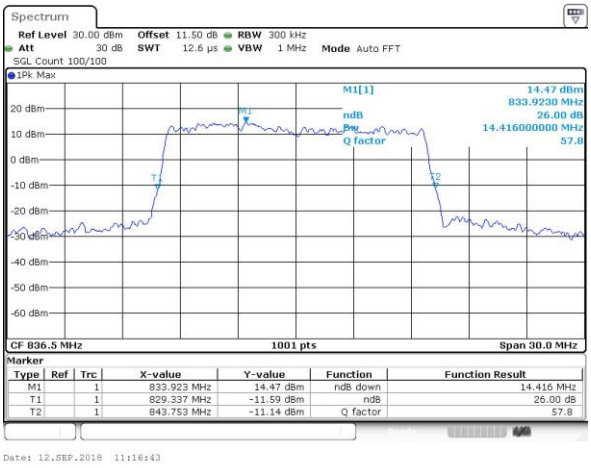
Lowest Channel / 15MHz / 16QAM



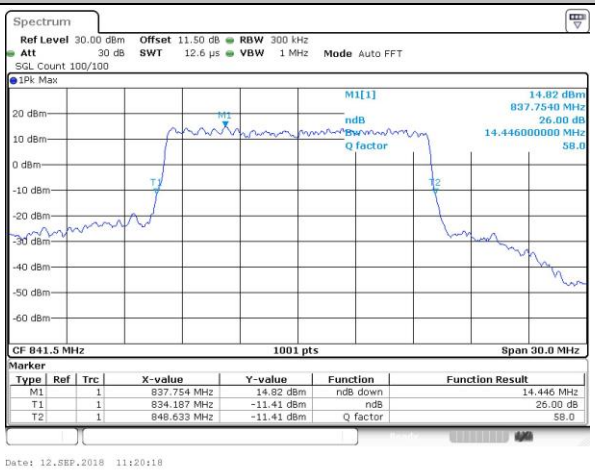
Middle Channel / 15MHz / QPSK



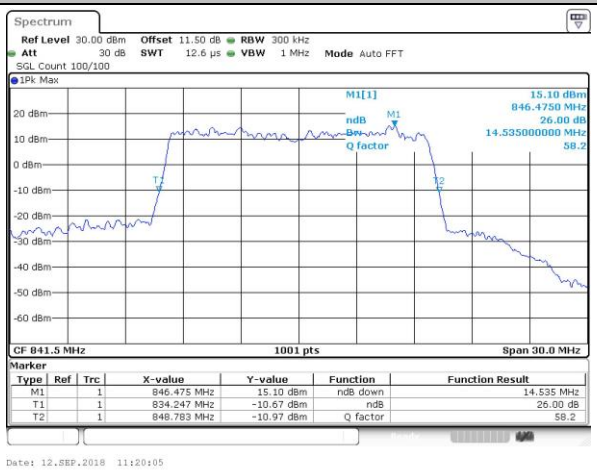
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

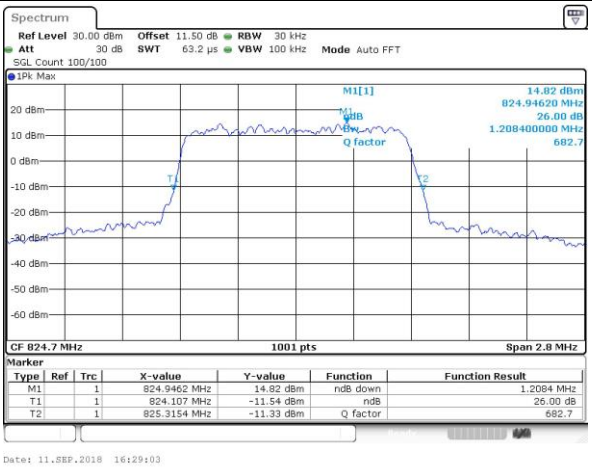


Highest Channel / 15MHz / 16QAM

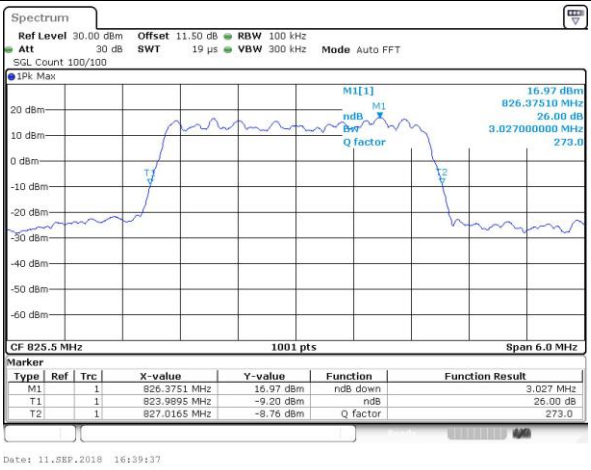


LTE Band 26

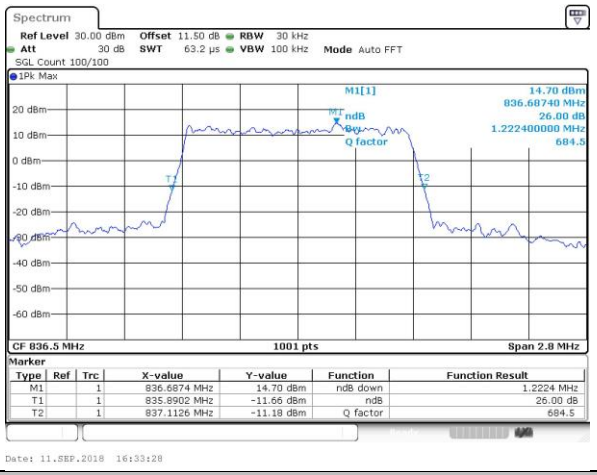
Lowest Channel / 1.4MHz / 64QAM



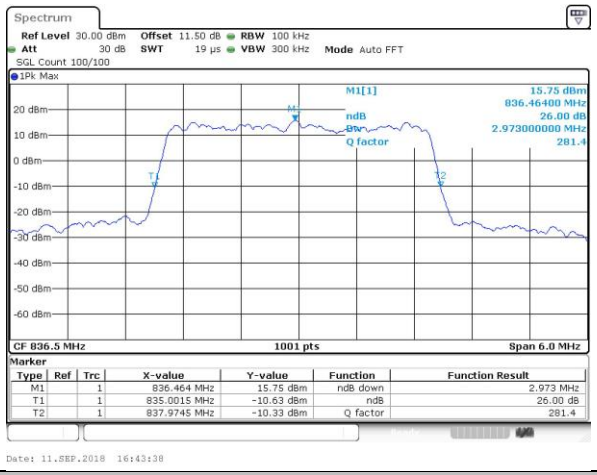
Lowest Channel / 3MHz / 64QAM



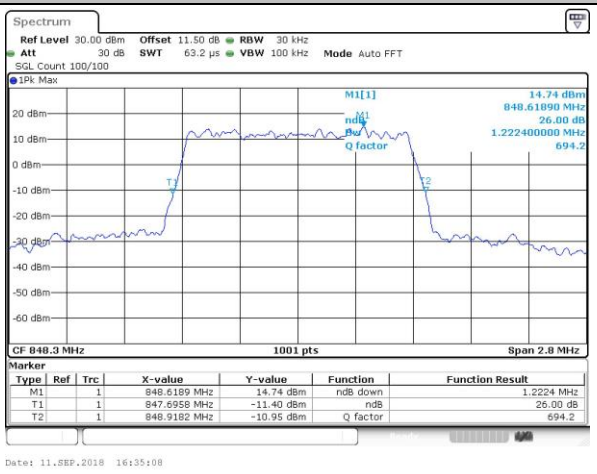
Middle Channel / 1.4MHz / 64QAM



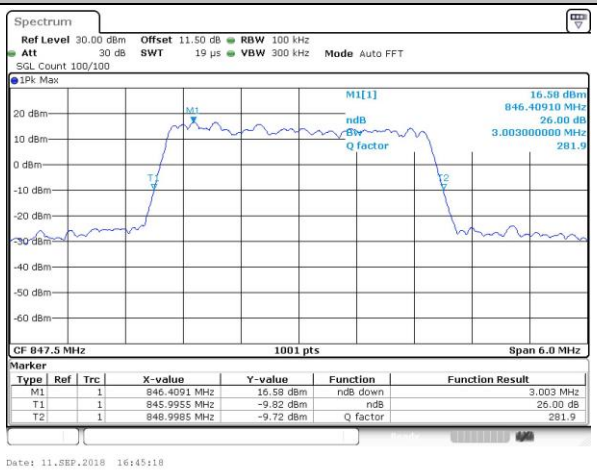
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

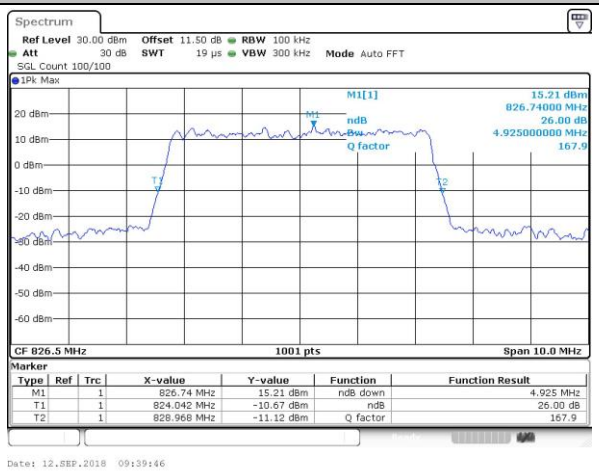


Highest Channel / 3MHz / 64QAM

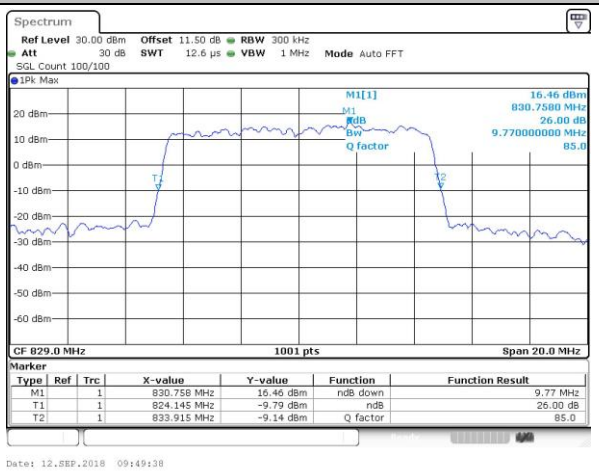


LTE Band 26

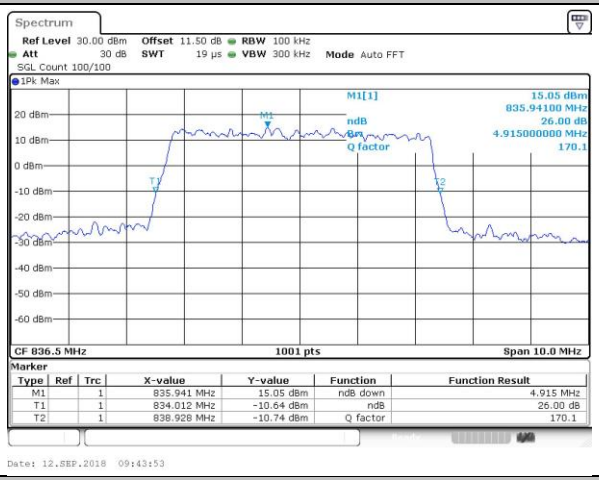
Lowest Channel / 5MHz / 64QAM



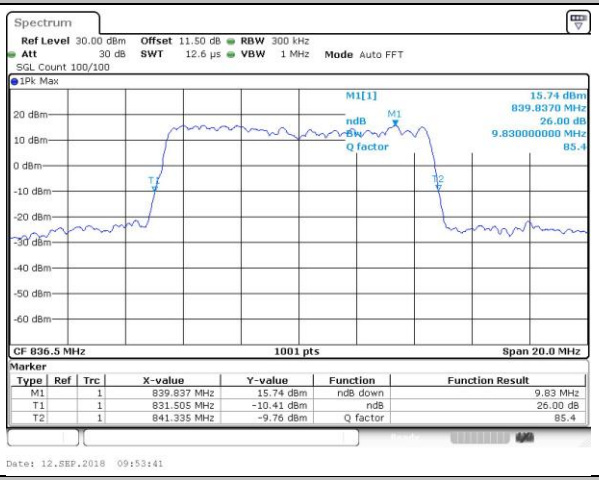
Lowest Channel / 10MHz / 64QAM



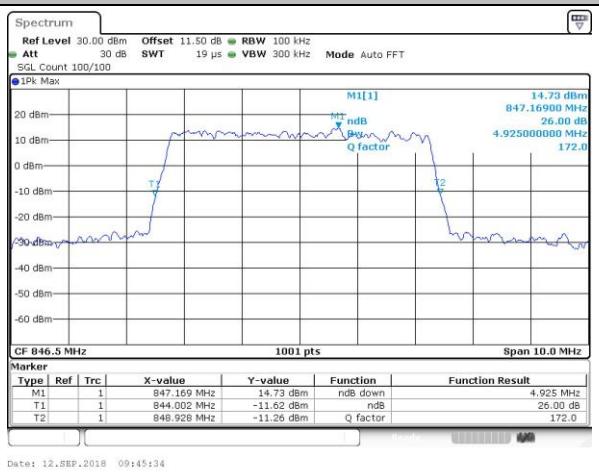
Middle Channel / 5MHz / 64QAM



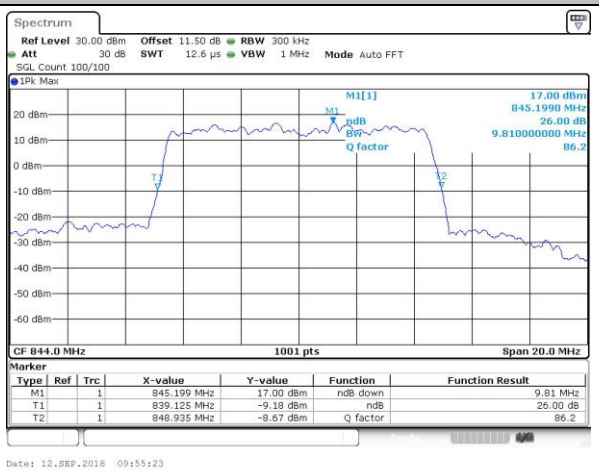
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

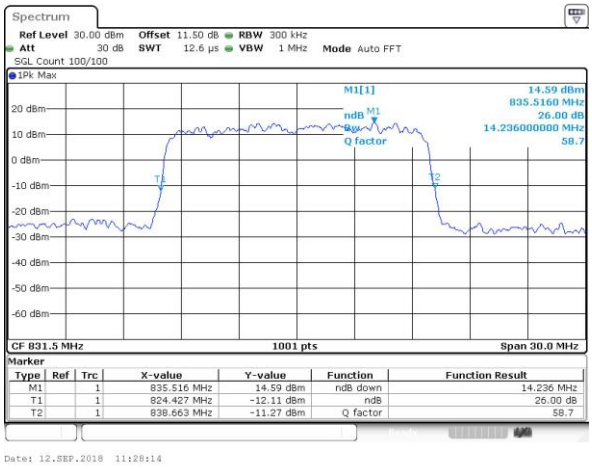


Highest Channel / 10MHz / 64QAM

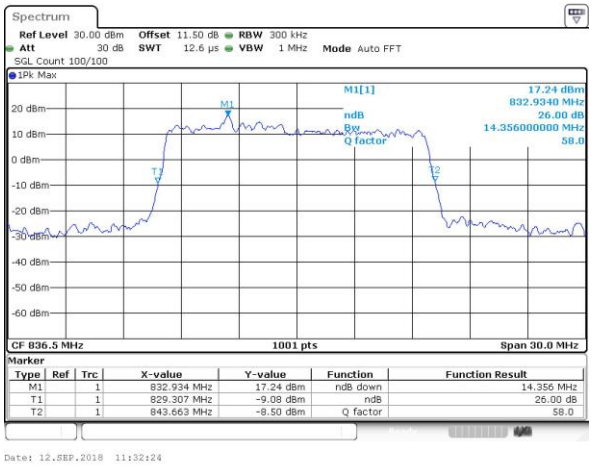


LTE Band 26

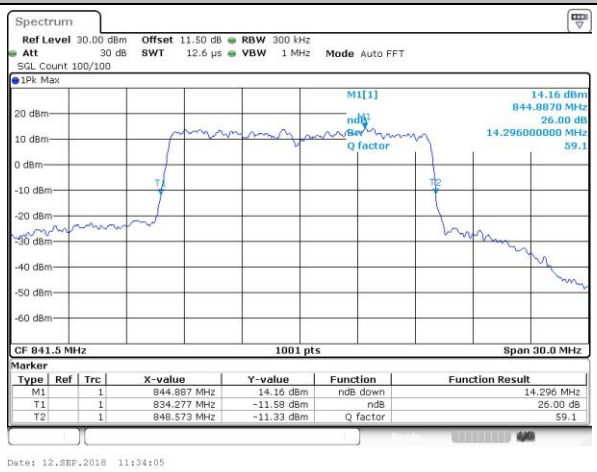
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Highest Channel / 15MHz / 64QAM

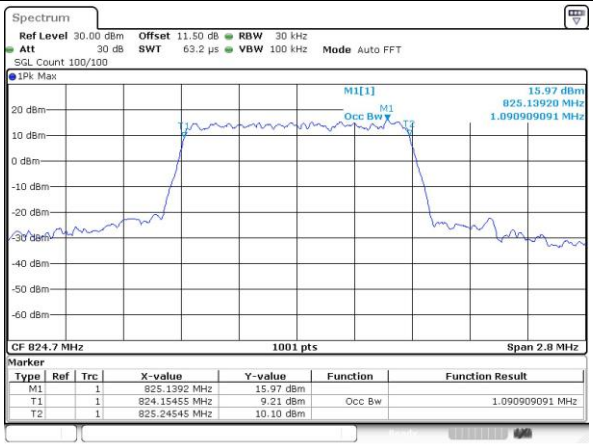


Occupied Bandwidth

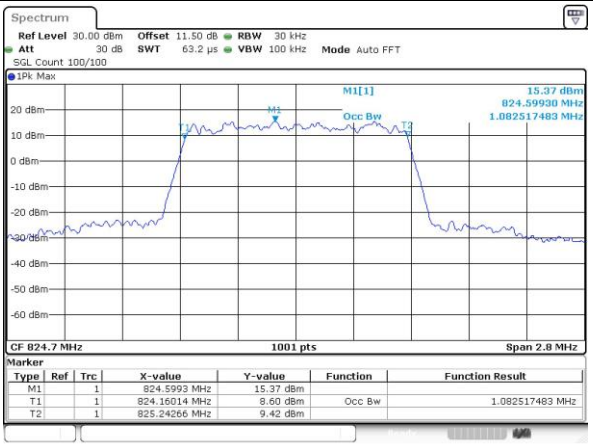
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.71	2.73	4.52	4.49	9.07	9.07	13.43	13.31	-	-
Middle CH	1.09	1.09	2.7	2.7	4.48	4.49	9.09	8.99	13.4	13.43	-	-
Highest CH	1.09	1.09	2.71	2.7	4.5	4.49	8.99	8.95	13.49	13.43	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.71	-	4.48	-	9.01	-	13.40	-	-	-
Middle CH	1.09	-	2.72	-	4.50	-	9.03	-	13.43	-	-	-
Highest CH	1.10	-	2.74	-	4.49	-	8.97	-	13.52	-	-	-

LTE Band 26

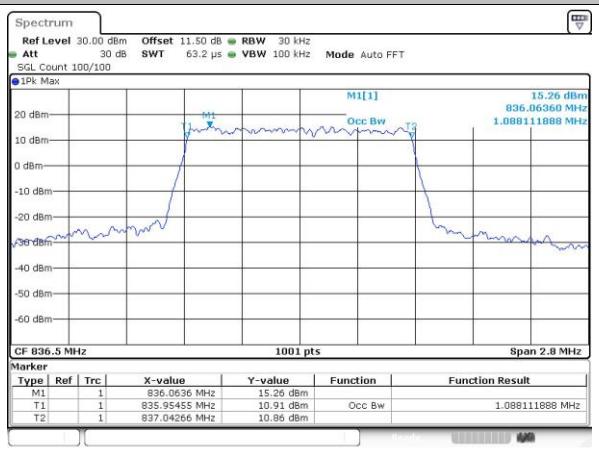
Lowest Channel / 1.4MHz / QPSK



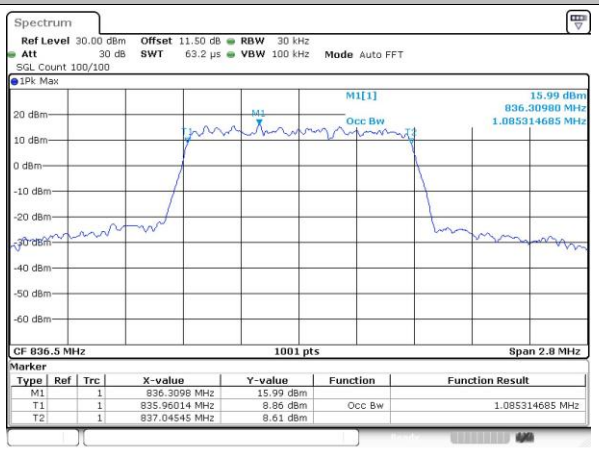
Lowest Channel / 1.4MHz / 16QAM



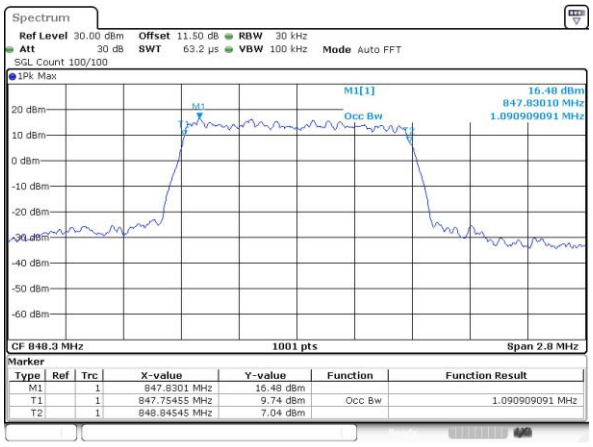
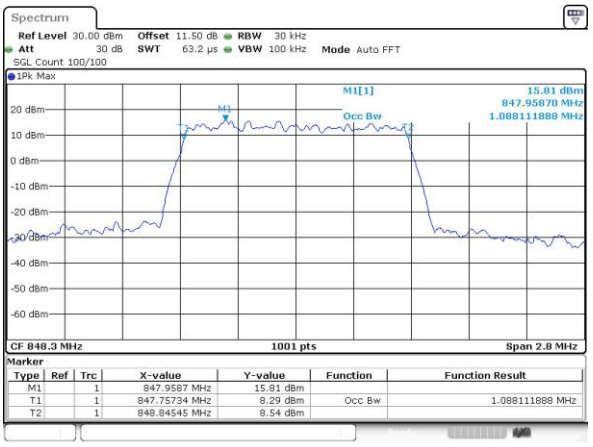
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM