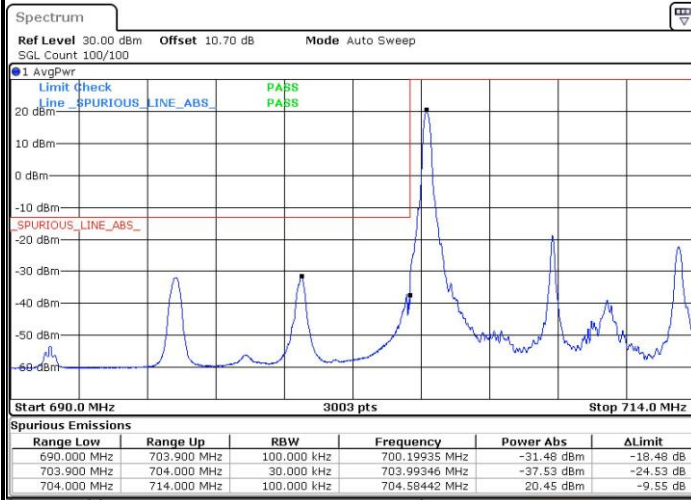


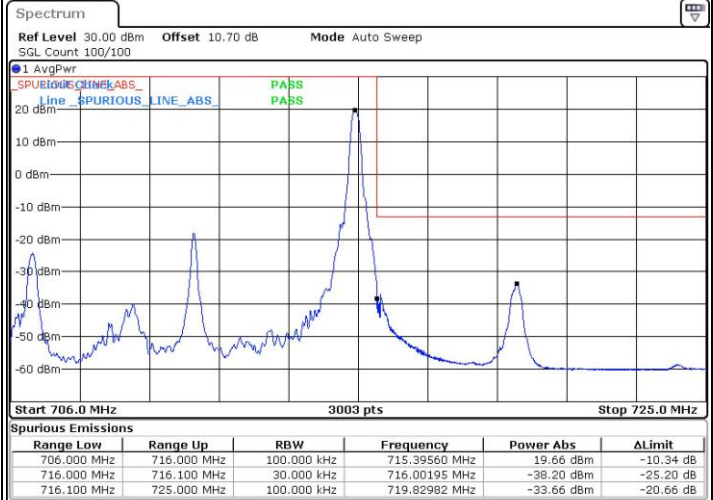


LTE Band 17 / 10MHz / QPSK

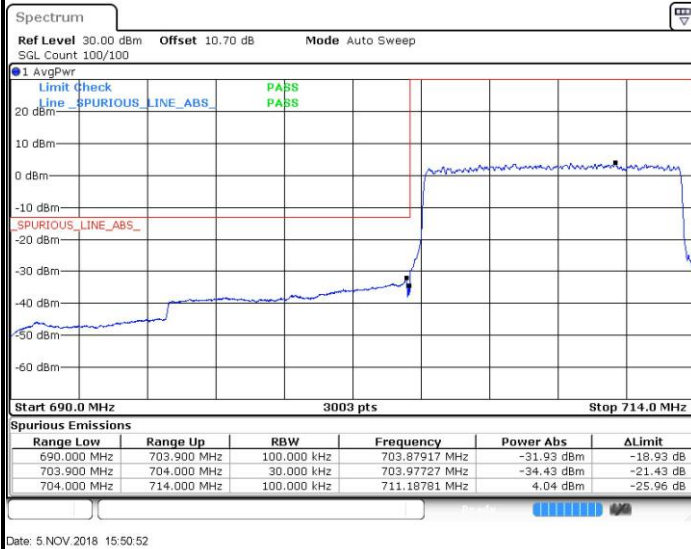
Lowest Band Edge / 1 RB



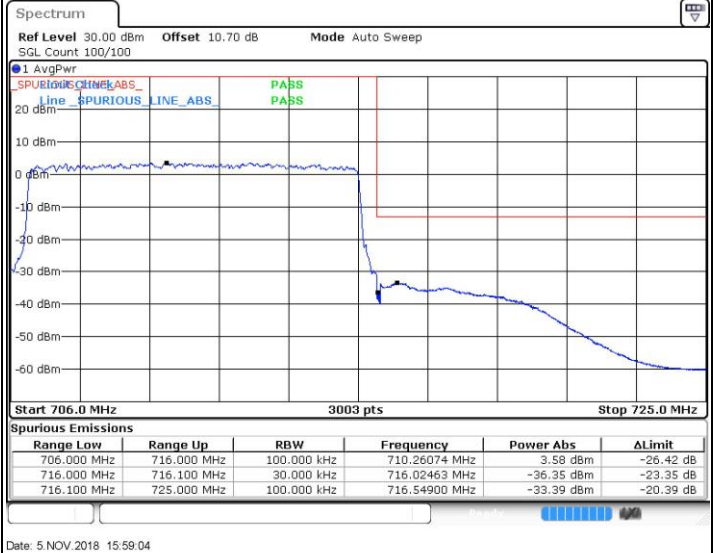
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



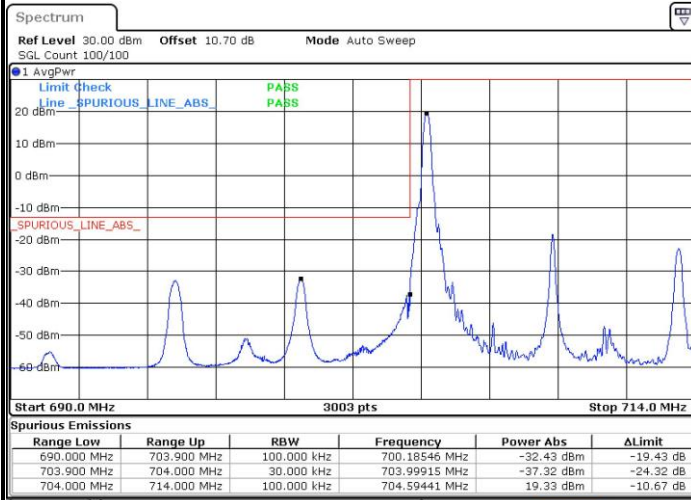
Highest Band Edge / Full RB



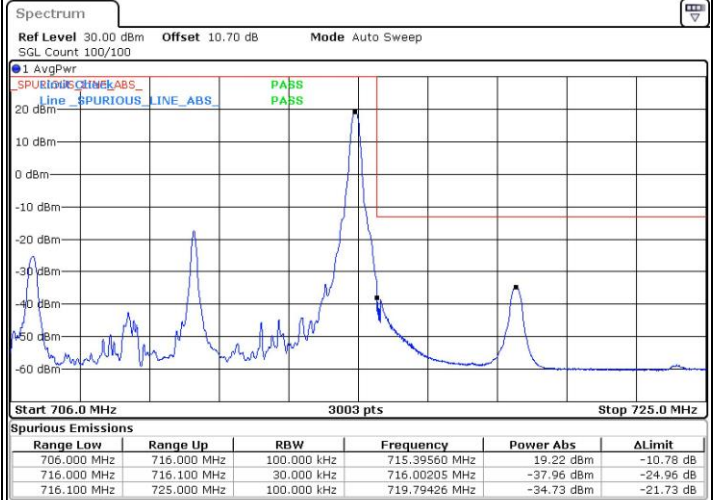


LTE Band 17 / 10MHz / 16QAM

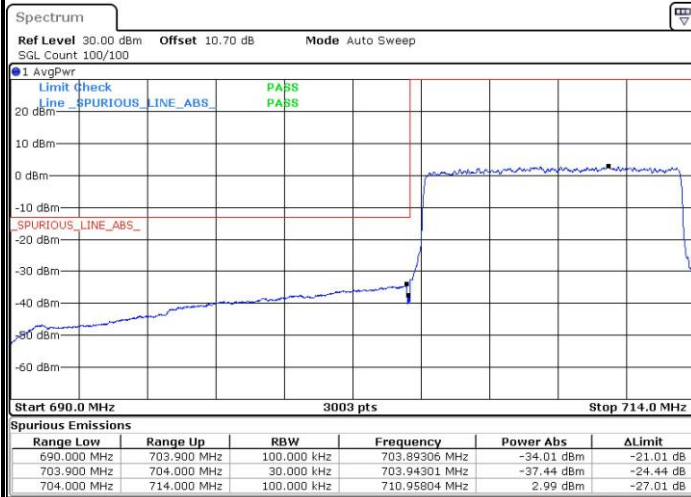
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



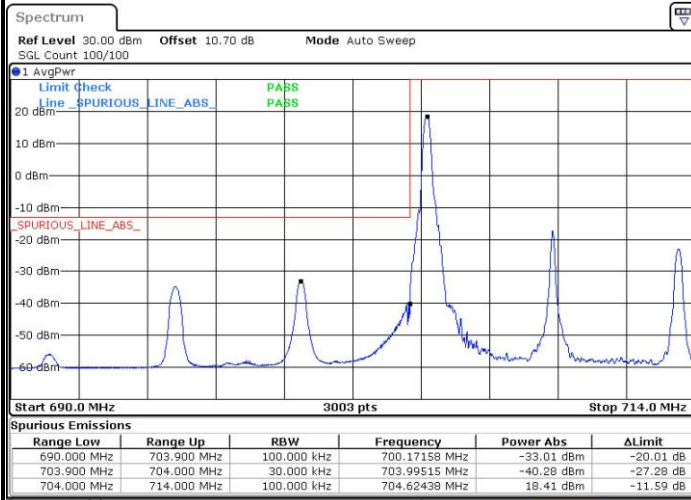
Highest Band Edge / Full RB



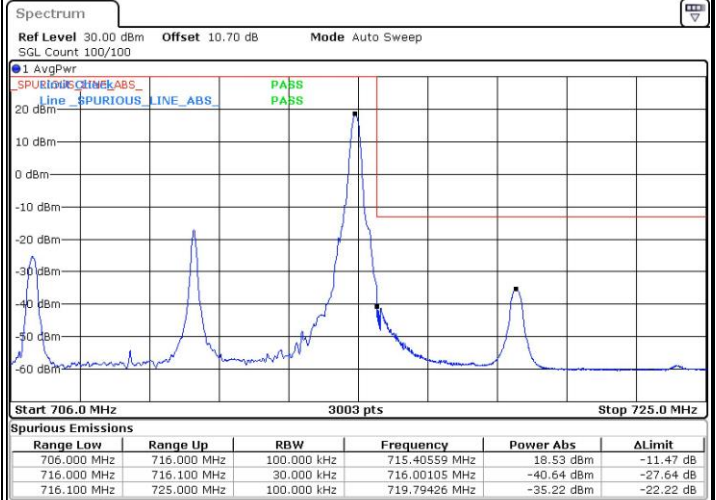


LTE Band 17 / 10MHz / 64QAM

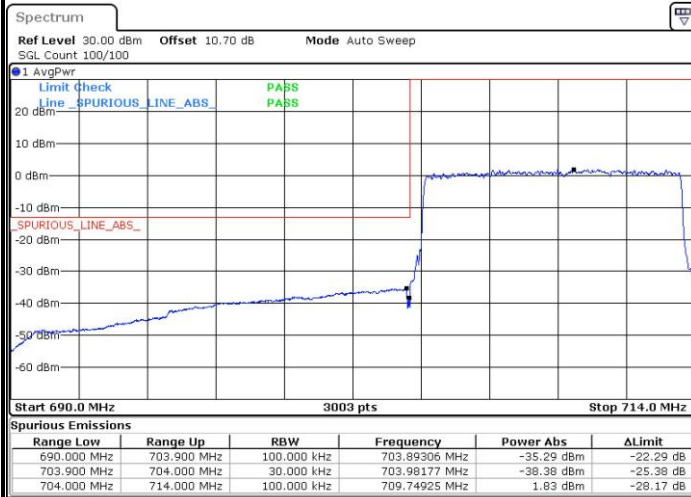
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



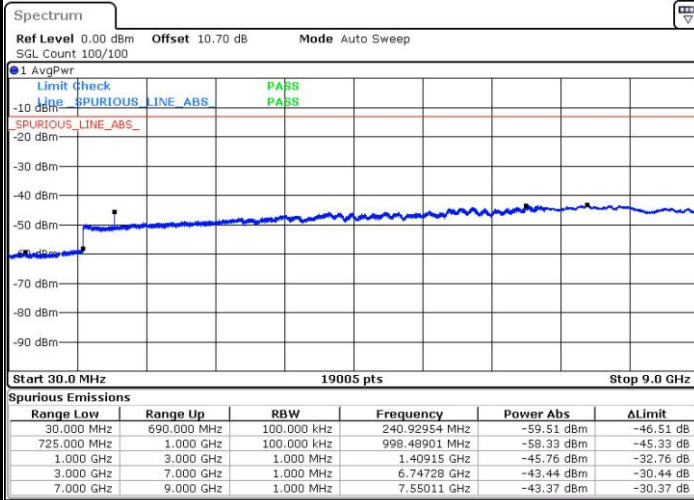


Conducted Spurious Emission



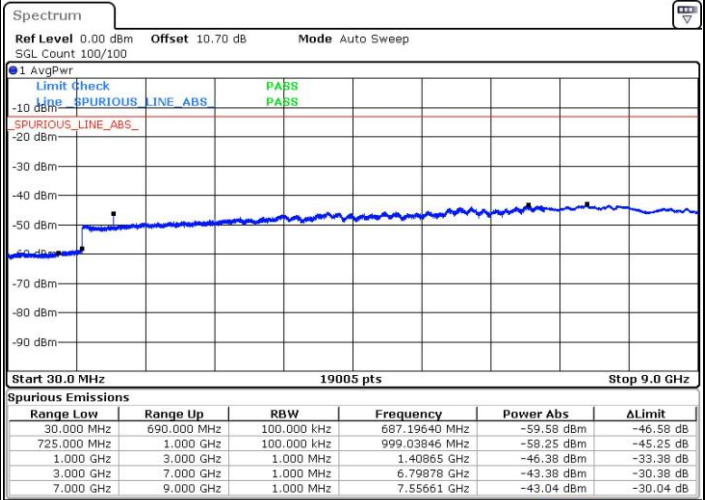
LTE Band 17 / 5MHz

Lowest Channel / QPSK



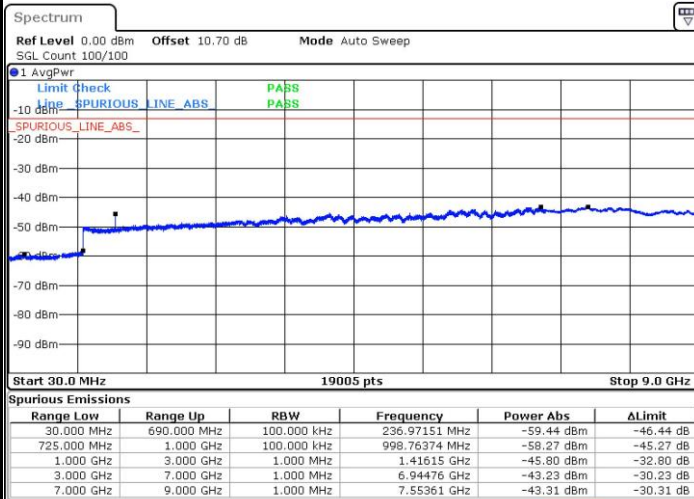
Date: 5.NOV.2018 15:38:14

Lowest Channel / 16QAM



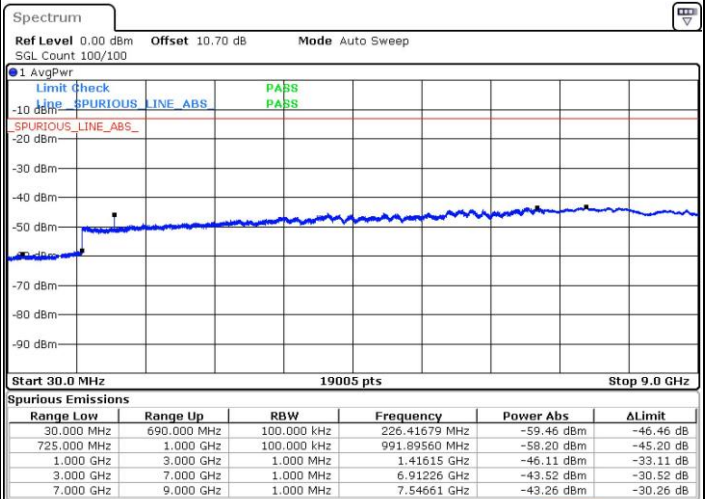
Date: 5.NOV.2018 15:38:54

Middle Channel / QPSK



Date: 5.NOV.2018 15:40:20

Middle Channel / 16QAM

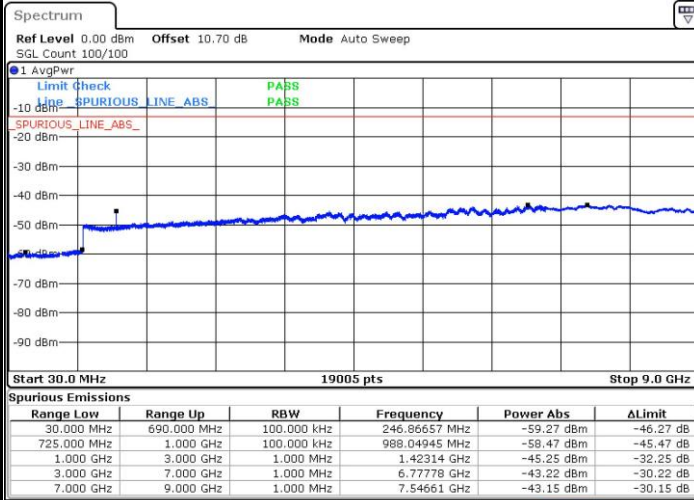


Date: 5.NOV.2018 15:41:00



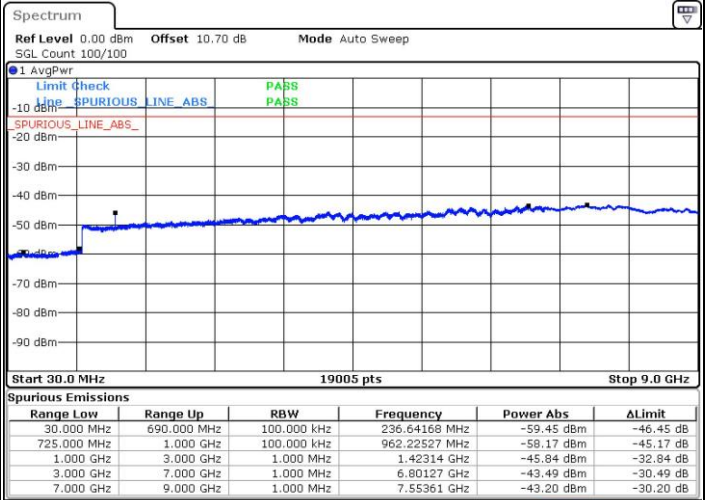
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 5.NOV.2018 15:46:26

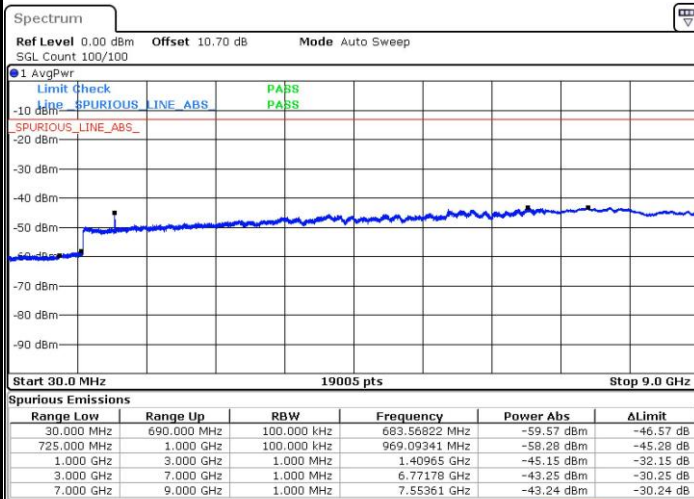
Highest Channel / 16QAM



Date: 5.NOV.2018 15:47:06

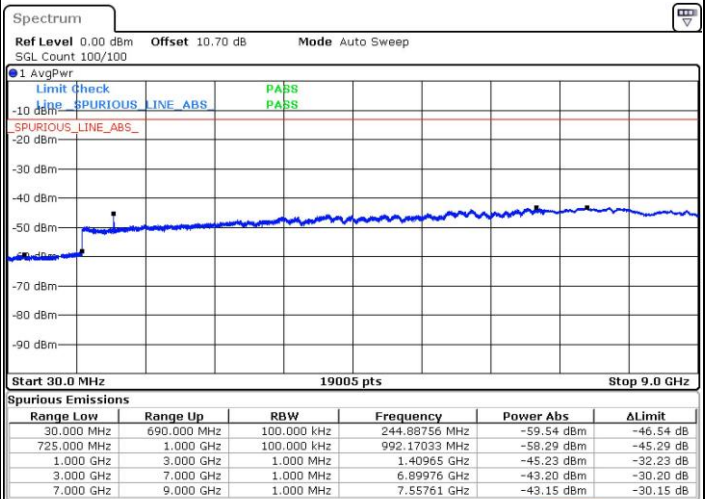
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 5.NOV.2018 15:52:32

Lowest Channel / 16QAM

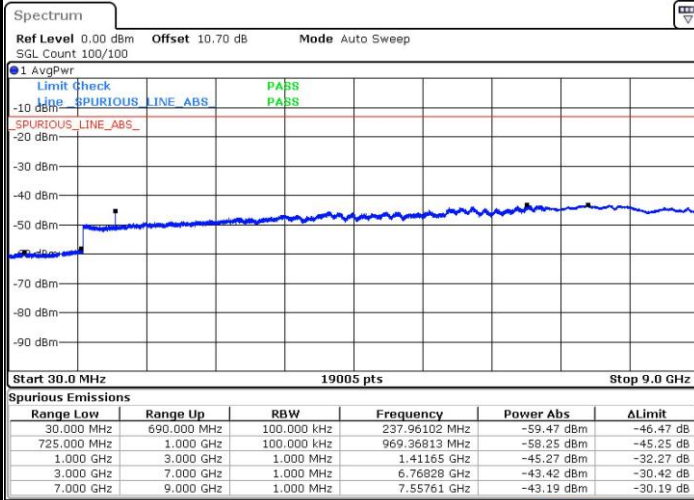


Date: 5.NOV.2018 15:53:13



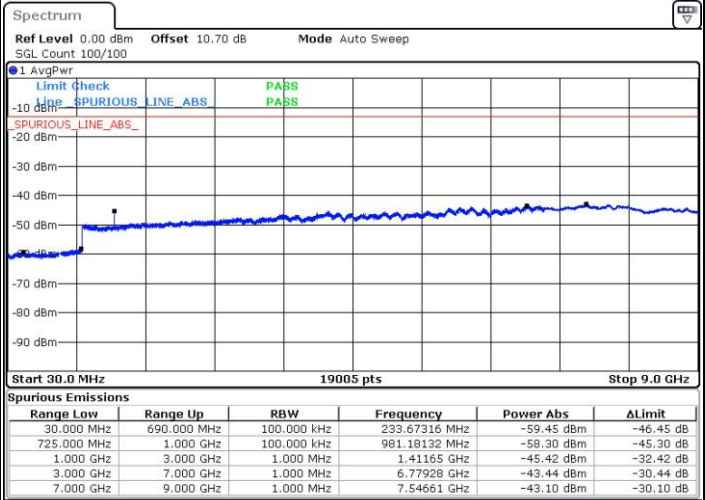
LTE Band 17 / 10MHz

Middle Channel / QPSK



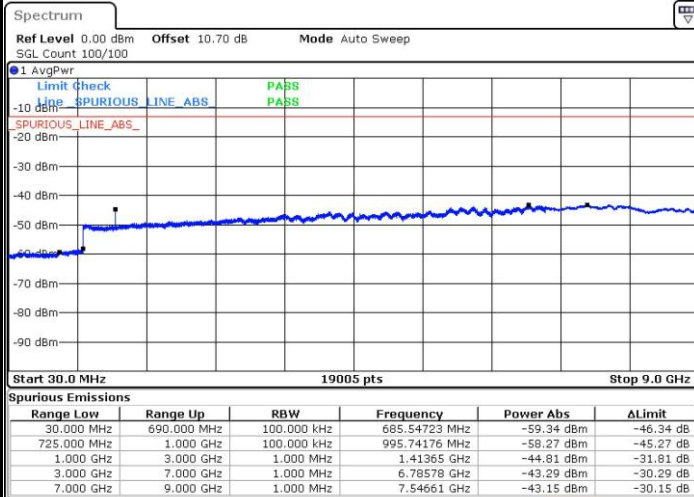
Date: 5.NOV.2018 15:54:38

Middle Channel / 16QAM



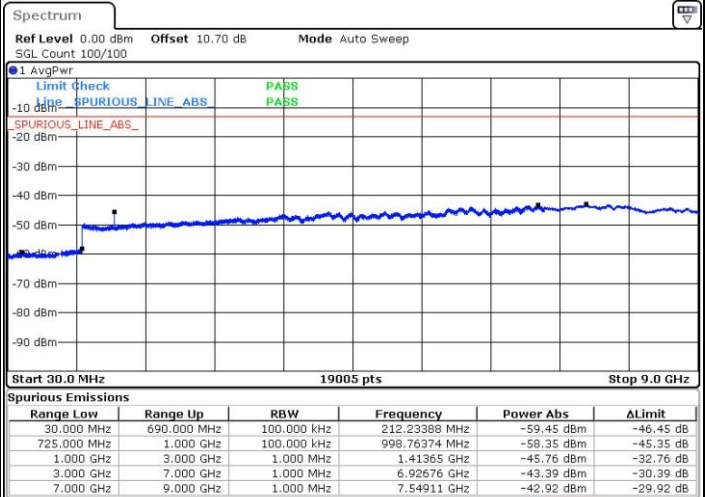
Date: 5.NOV.2018 15:55:19

Highest Channel / QPSK



Date: 5.NOV.2018 16:00:45

Highest Channel / 16QAM

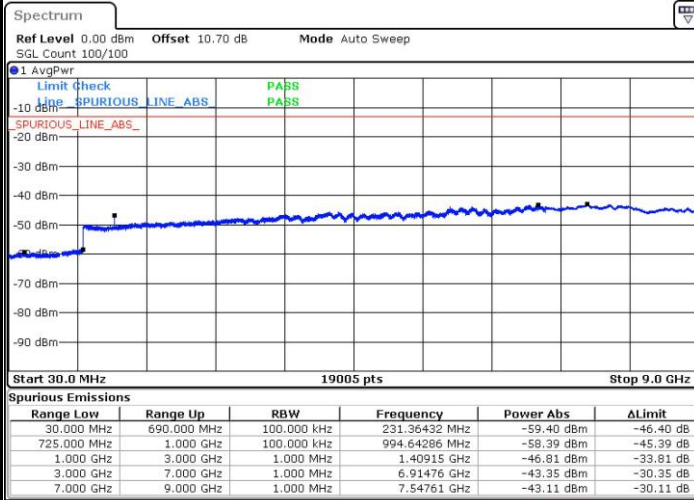


Date: 5.NOV.2018 16:01:25



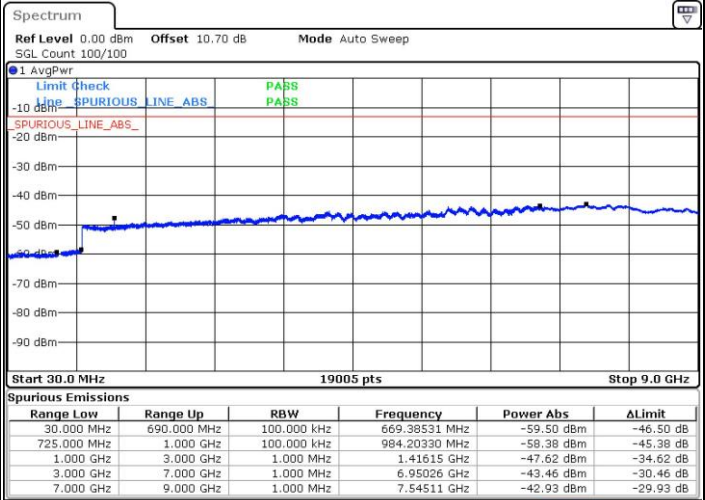
LTE Band 17 / 5MHz

Lowest Channel / 64QAM



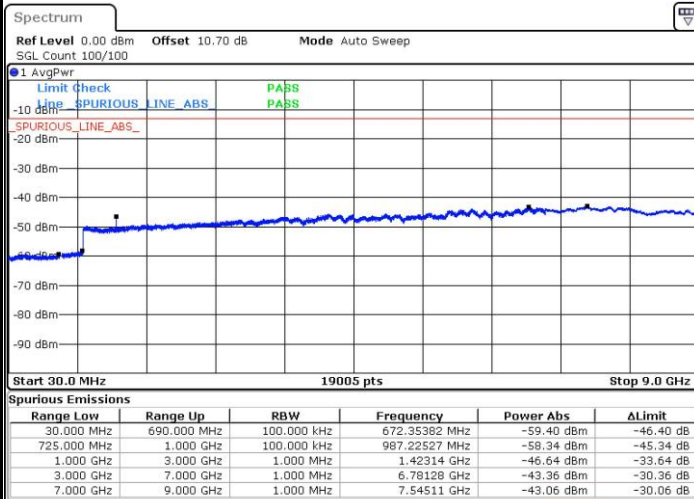
Date: 5.NOV.2018 16:04:28

Middle Channel / 64QAM



Date: 5.NOV.2018 16:05:31

Highest Channel / 64QAM

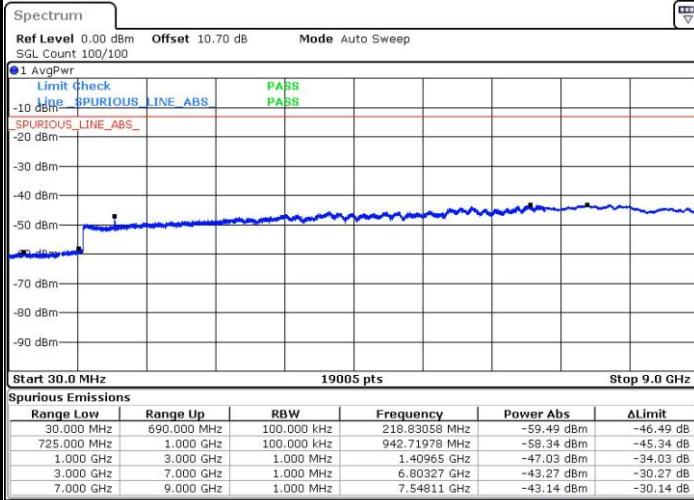


Date: 5.NOV.2018 16:08:34



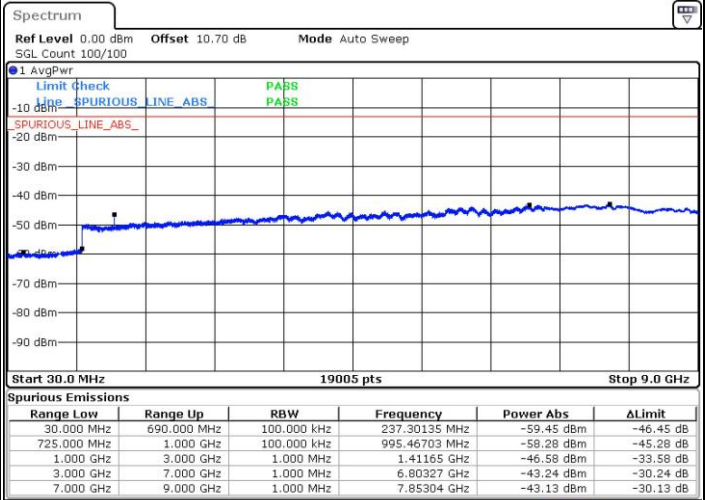
LTE Band 17 / 10MHz

Lowest Channel / 64QAM



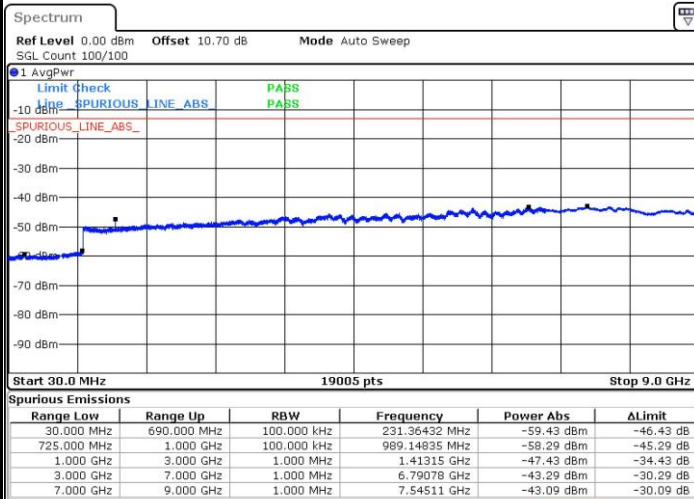
Date: 5.NOV.2018 16:11:37

Middle Channel / 64QAM



Date: 5.NOV.2018 16:12:40

Highest Channel / 64QAM



Date: 5.NOV.2018 16:15:43

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	0.0058	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0096	

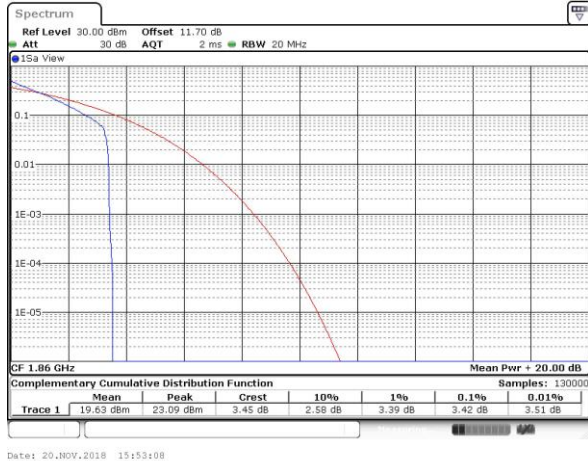
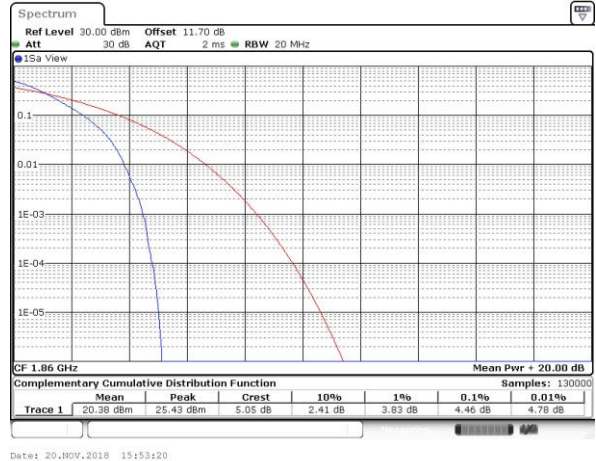
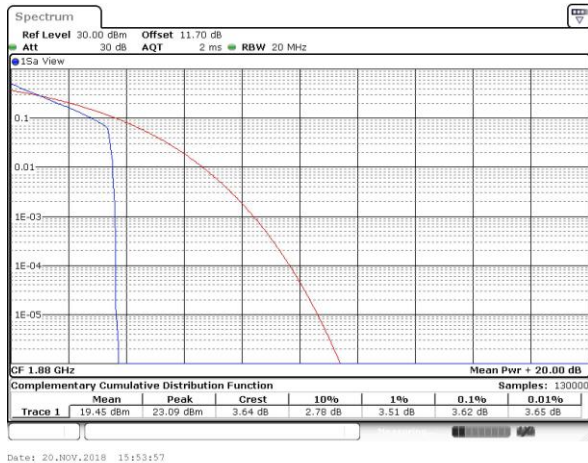
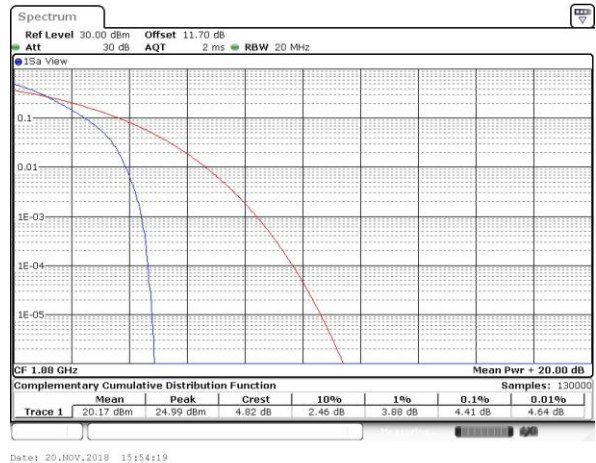
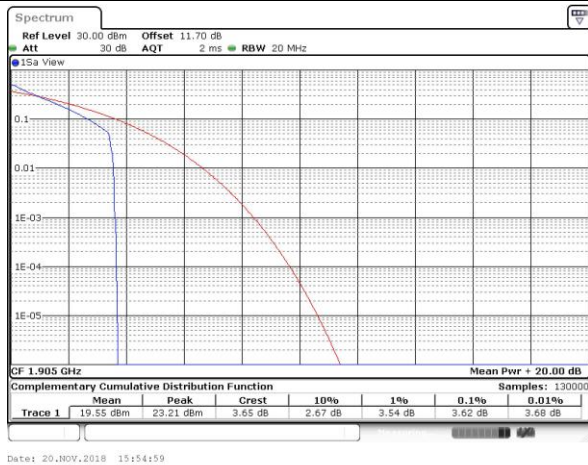
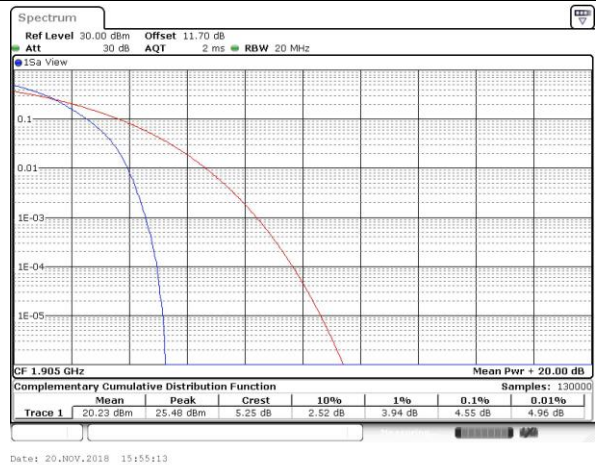
Note:

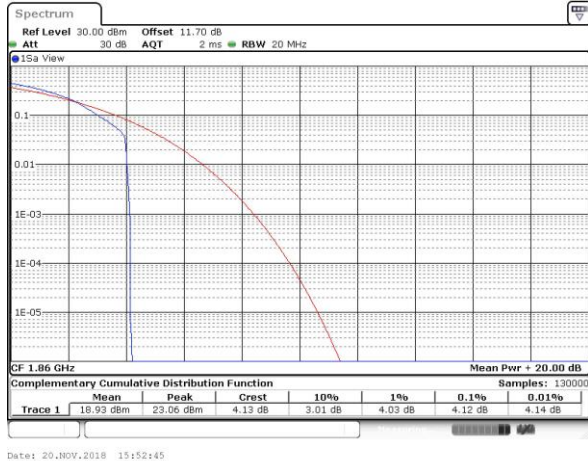
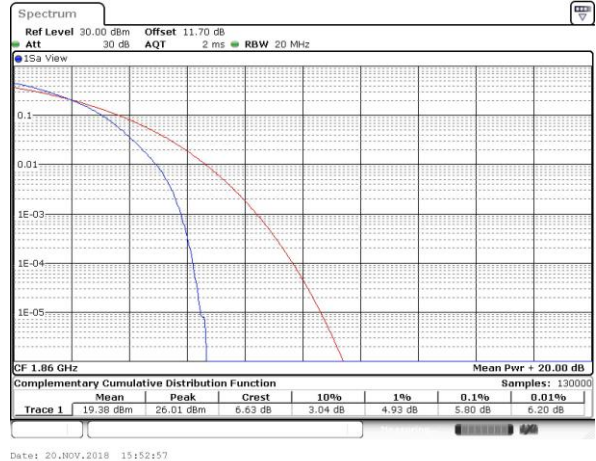
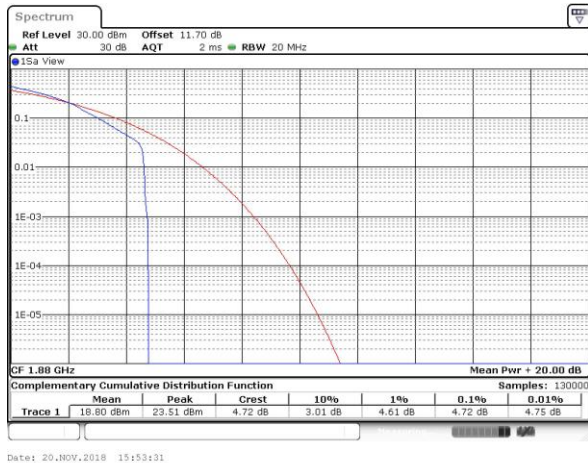
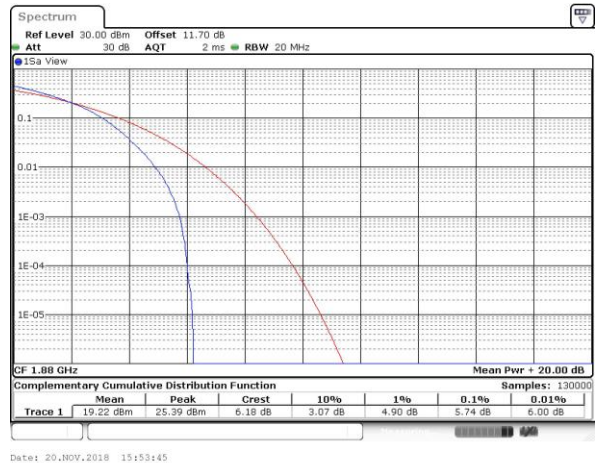
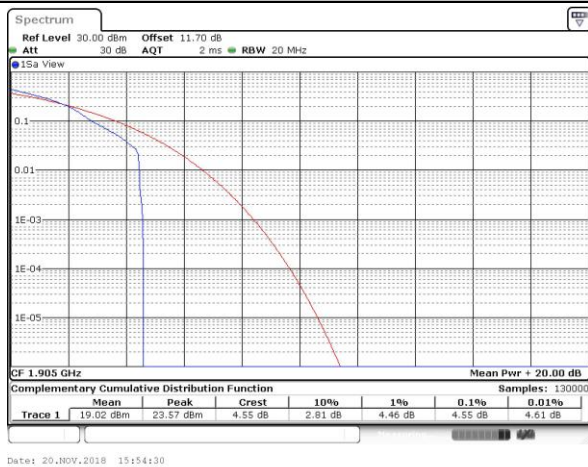
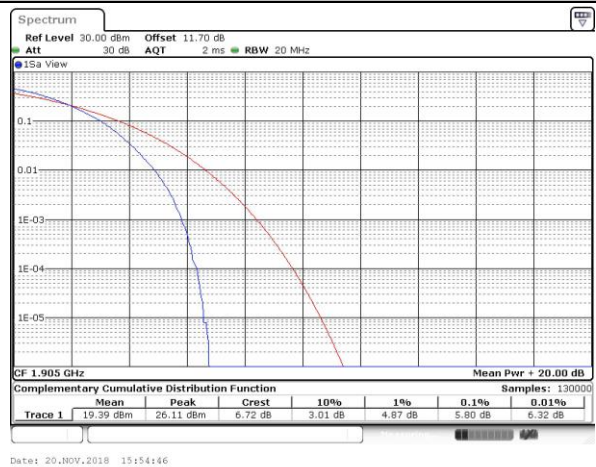
1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

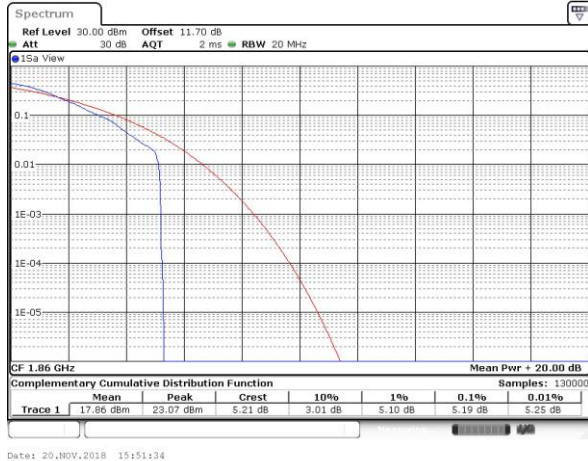
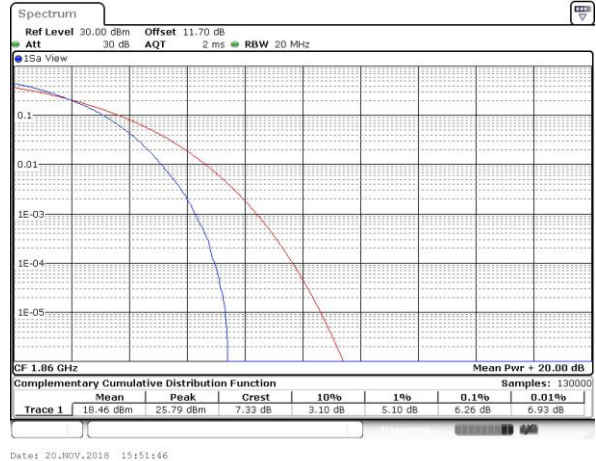
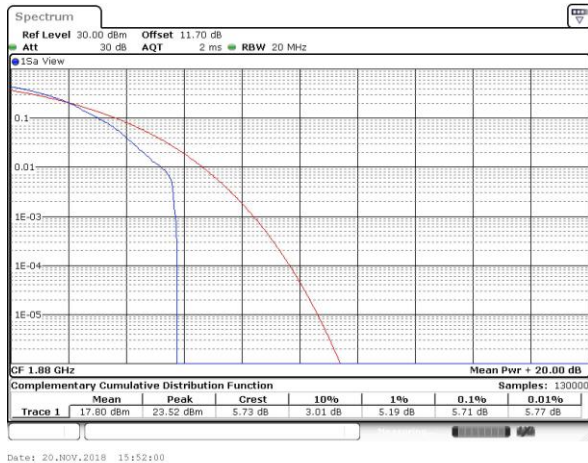
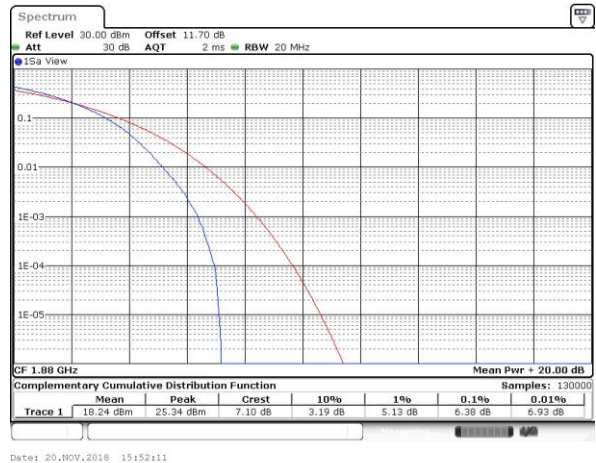
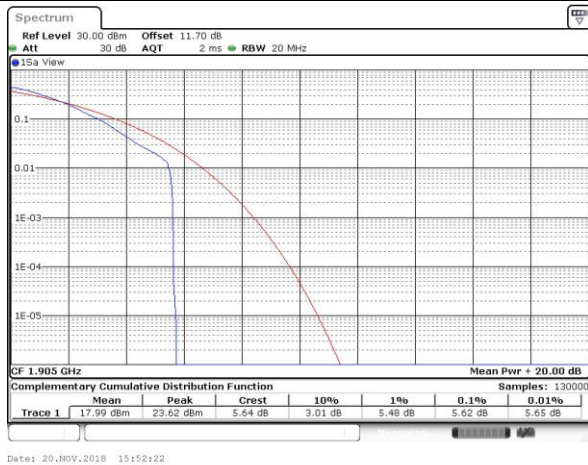
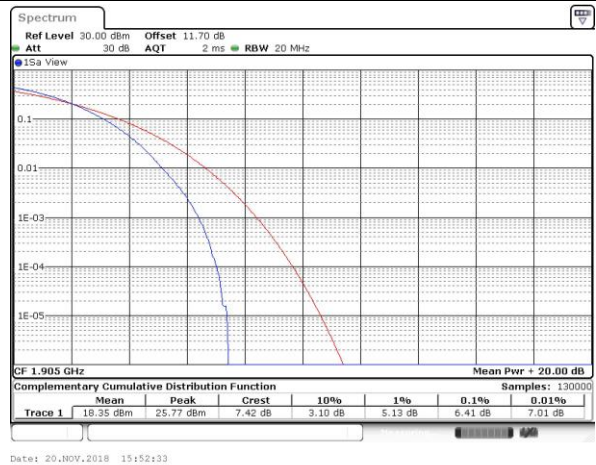
LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.46	4.12	5.8	PASS
Middle CH	3.62	4.41	4.72	5.74	
Highest CH	3.62	4.55	4.55	5.8	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.19	6.26	-	-	PASS
Middle CH	5.71	6.38	-	-	
Highest CH	5.62	6.41	-	-	

LTE Band 25 / 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 25 / 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 25 / 20MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


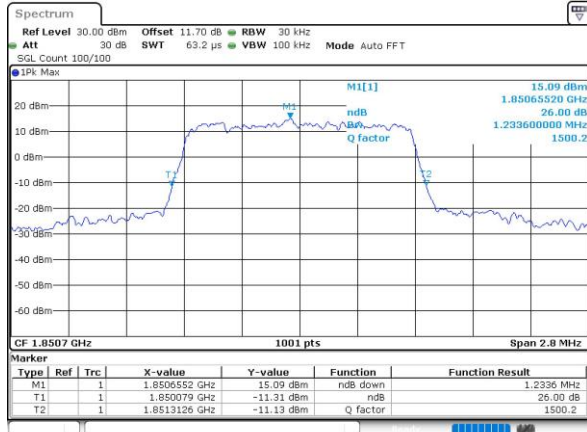
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	2.97	2.97	4.93	4.93	9.73	9.81	14.36	14.39	20.18	19.98
Middle CH	1.22	1.23	3.02	3.02	4.88	4.89	9.87	9.73	14.45	14.30	20.18	20.22
Highest CH	1.22	1.23	3.04	2.99	5.00	4.78	9.81	9.79	14.33	14.39	20.06	20.22
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.03	-	4.92	-	9.89	-	14.48	-	20.18	-
Middle CH	1.23	-	2.99	-	4.88	-	9.71	-	14.54	-	20.06	-
Highest CH	1.21	-	3.02	-	4.88	-	9.75	-	14.21	-	20.22	-



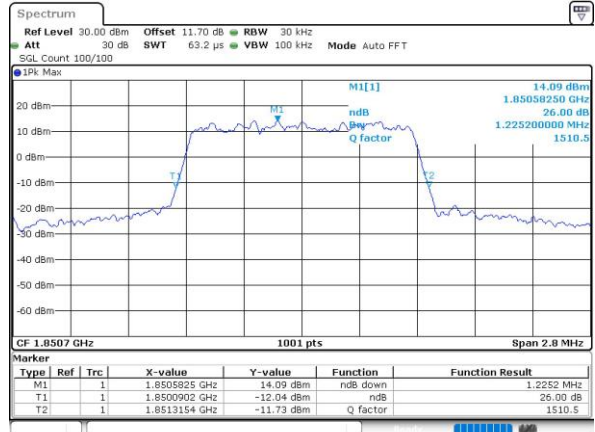
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



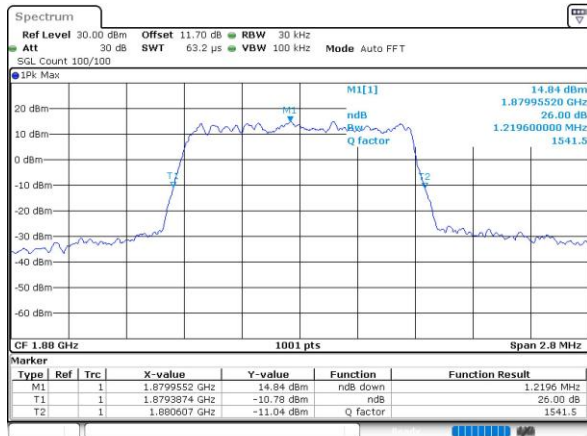
Date: 20,NOV,2018 15:26:34

Lowest Channel / 1.4MHz / 16QAM



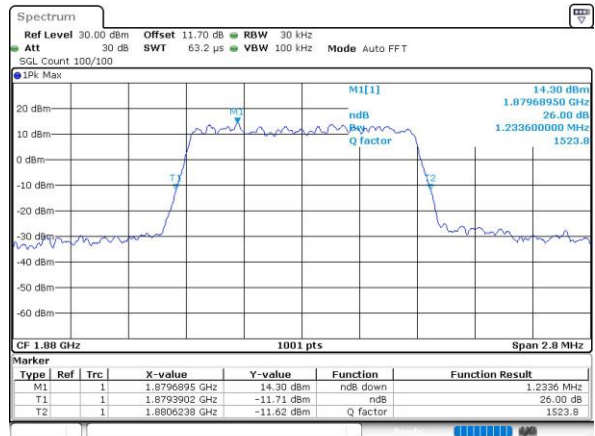
Date: 20,NOV,2018 15:26:46

Middle Channel / 1.4MHz / QPSK



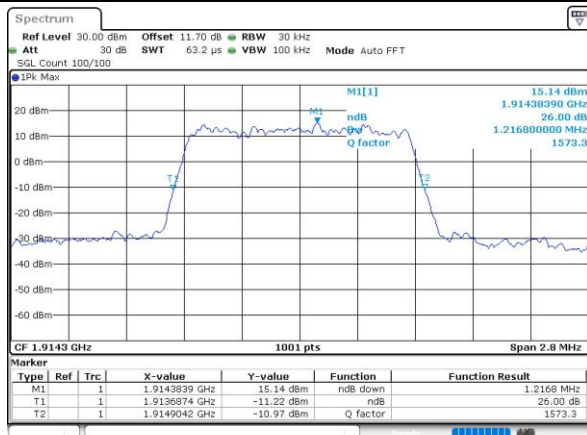
Date: 20,NOV,2018 15:33:16

Middle Channel / 1.4MHz / 16QAM



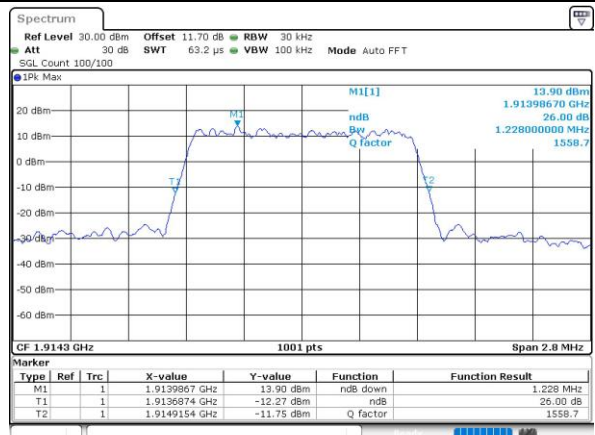
Date: 20,NOV,2018 15:33:28

Highest Channel / 1.4MHz / QPSK



Date: 20,NOV,2018 15:35:58

Highest Channel / 1.4MHz / 16QAM

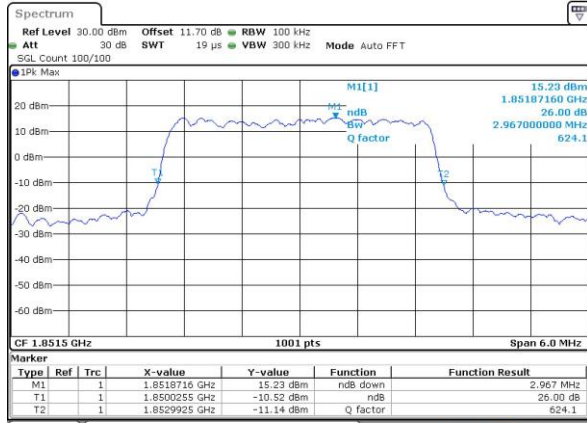


Date: 20,NOV,2018 15:35:46



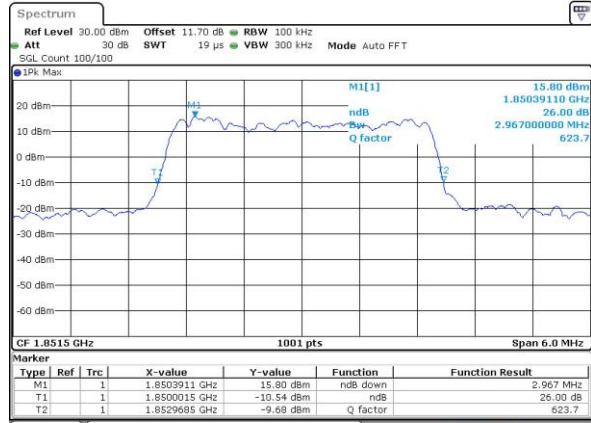
LTE Band 25

Lowest Channel / 3MHz / QPSK



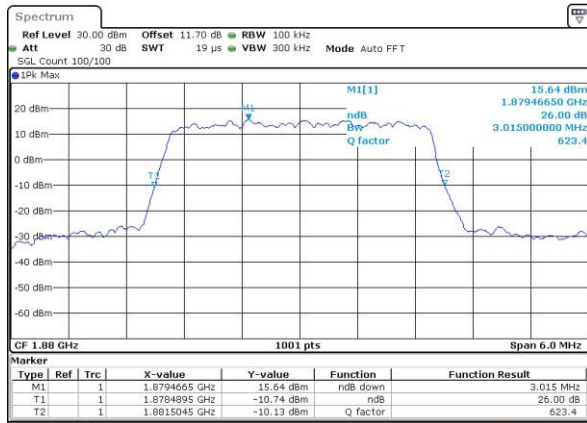
Date: 20,NOV,2018 14:14:59

Lowest Channel / 3MHz / 16QAM



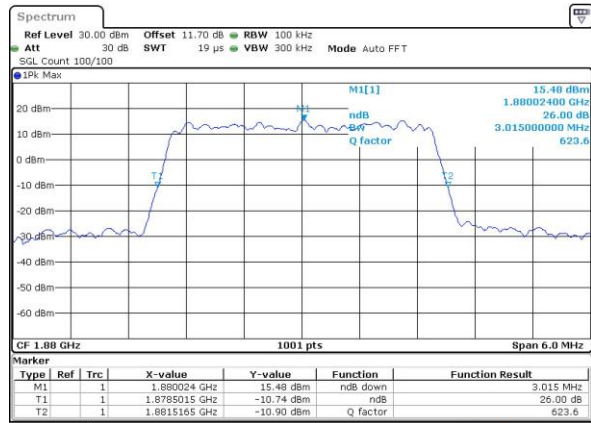
Date: 20,NOV,2018 14:15:11

Middle Channel / 3MHz / QPSK



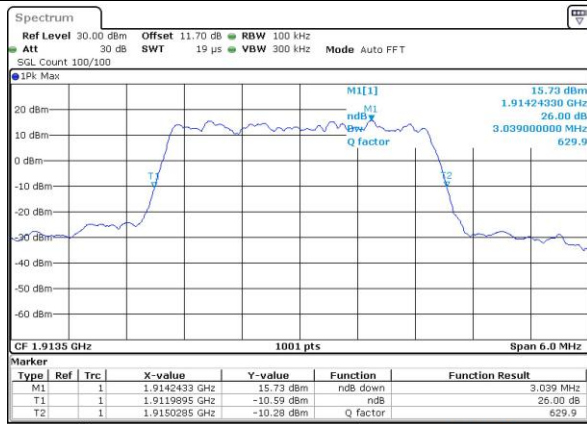
Date: 20,NOV,2018 14:20:51

Middle Channel / 3MHz / 16QAM



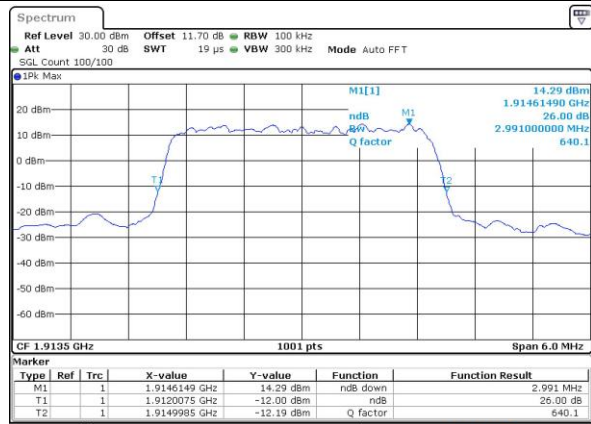
Date: 20,NOV,2018 14:21:03

Highest Channel / 3MHz / QPSK



Date: 20,NOV,2018 14:23:34

Highest Channel / 3MHz / 16QAM

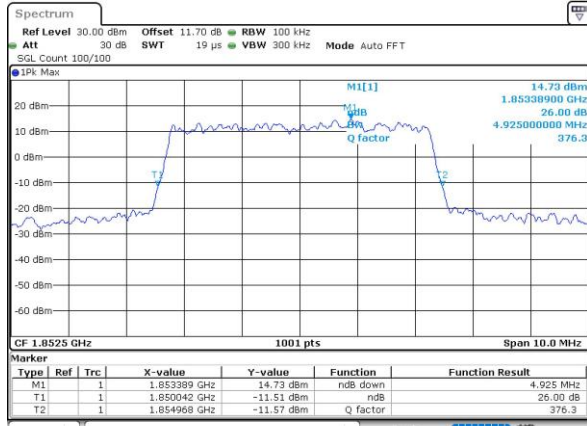


Date: 20,NOV,2018 14:23:21



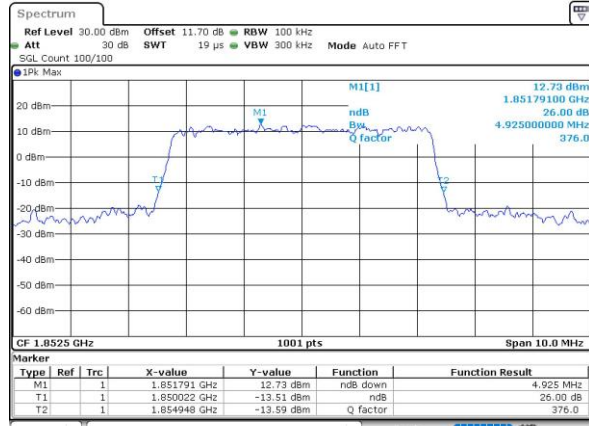
LTE Band 25

Lowest Channel / 5MHz / QPSK



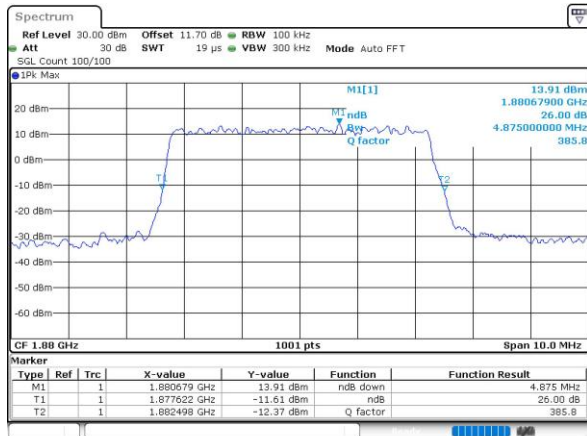
Date: 20,NOV,2018 14:29:15

Lowest Channel / 5MHz / 16QAM



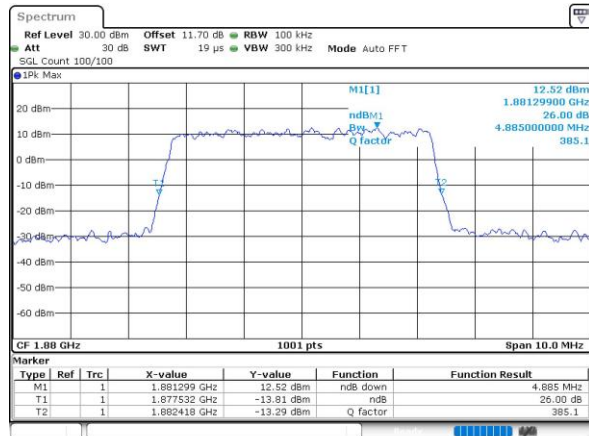
Date: 20,NOV,2018 14:29:27

Middle Channel / 5MHz / QPSK



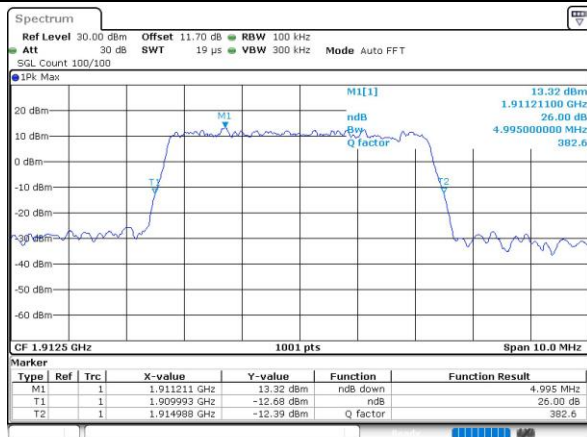
Date: 20,NOV,2018 14:35:08

Middle Channel / 5MHz / 16QAM



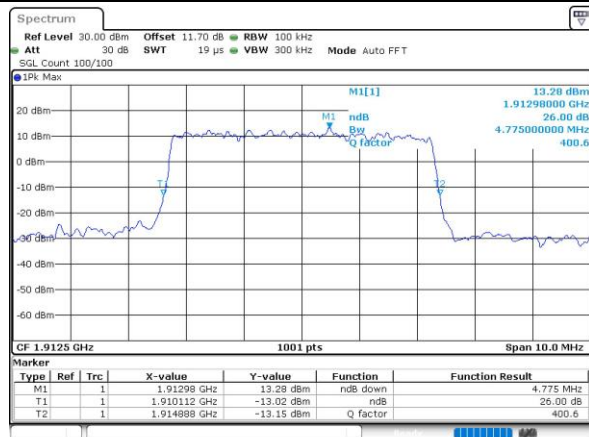
Date: 20,NOV,2018 14:35:20

Highest Channel / 5MHz / QPSK



Date: 20,NOV,2018 14:37:50

Highest Channel / 5MHz / 16QAM

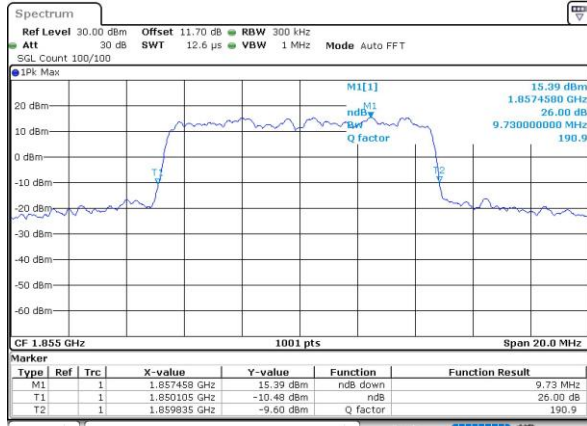


Date: 20,NOV,2018 14:37:38



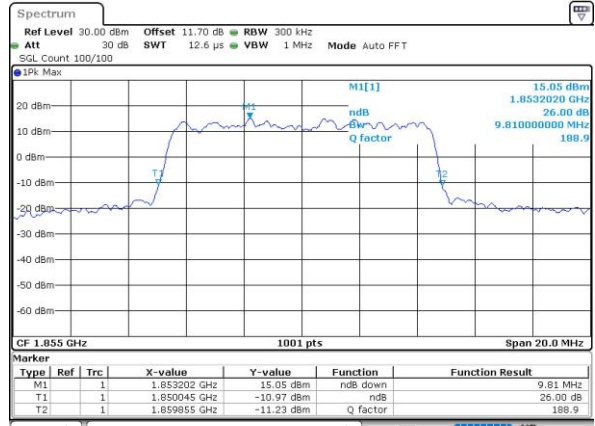
LTE Band 25

Lowest Channel / 10MHz / QPSK



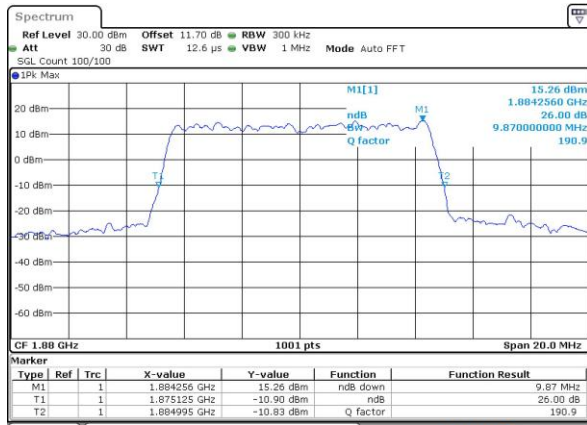
Date: 20,NOV,2018 14:43:13

Lowest Channel / 10MHz / 16QAM



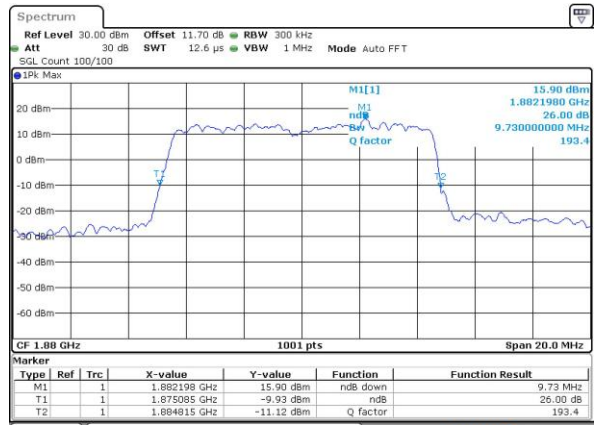
Date: 20,NOV,2018 14:43:43

Middle Channel / 10MHz / QPSK



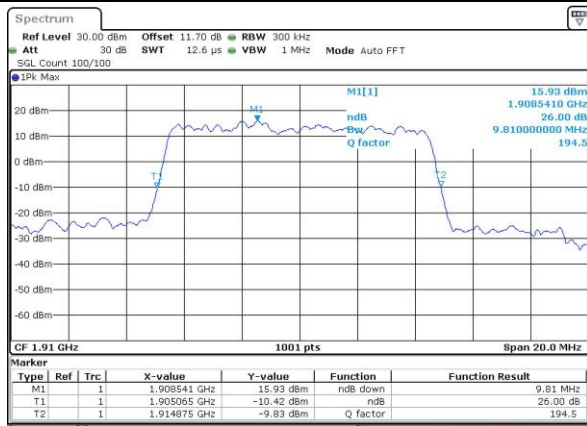
Date: 20,NOV,2018 14:49:23

Middle Channel / 10MHz / 16QAM



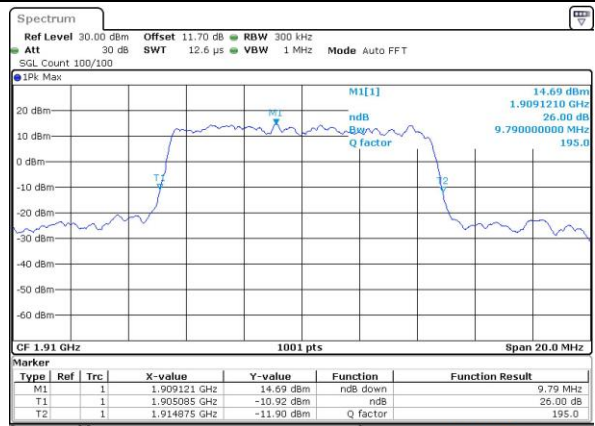
Date: 20,NOV,2018 14:49:35

Highest Channel / 10MHz / QPSK



Date: 20,NOV,2018 14:52:06

Highest Channel / 10MHz / 16QAM

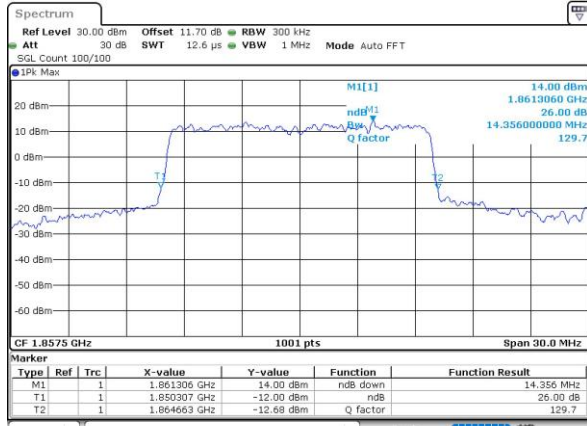


Date: 20,NOV,2018 14:51:53



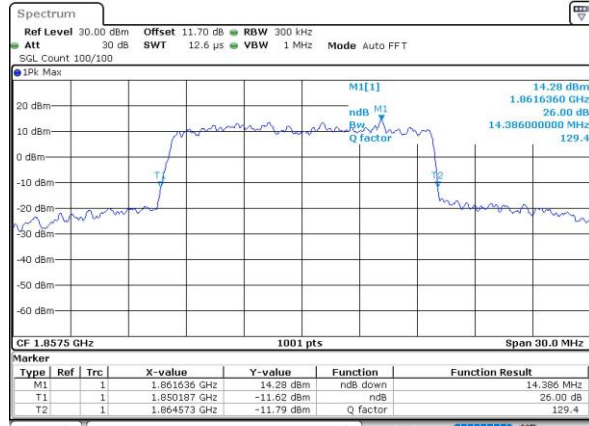
LTE Band 25

Lowest Channel / 15MHz / QPSK



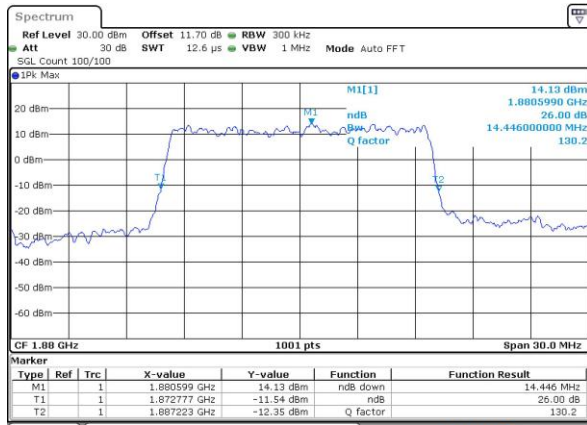
Date: 20,NOV,2018 14:57:46

Lowest Channel / 15MHz / 16QAM



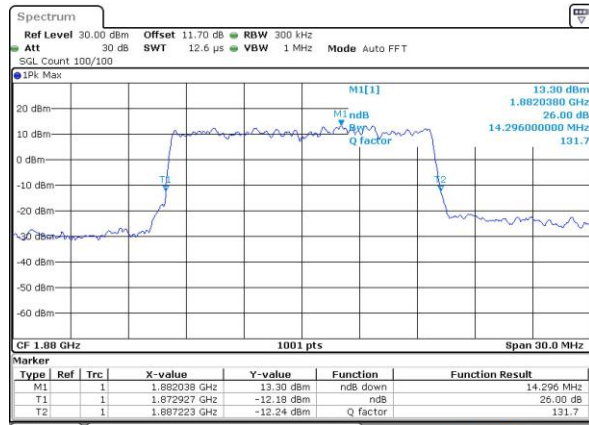
Date: 20,NOV,2018 14:57:58

Middle Channel / 15MHz / QPSK



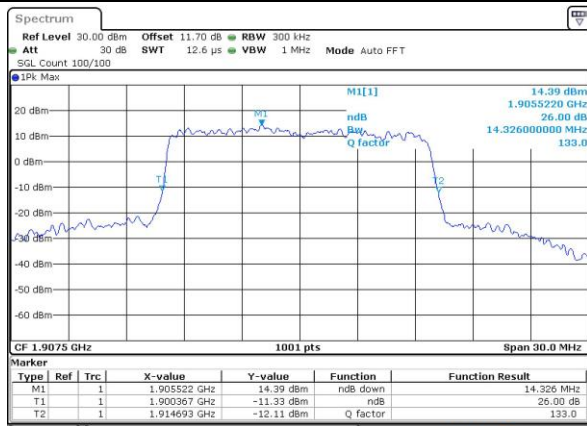
Date: 20,NOV,2018 15:03:08

Middle Channel / 15MHz / 16QAM



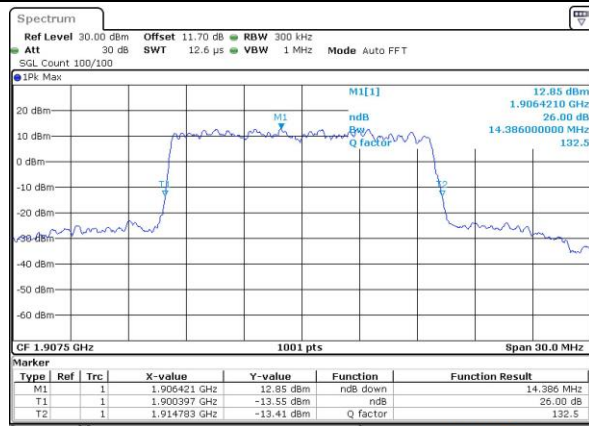
Date: 20,NOV,2018 15:03:50

Highest Channel / 15MHz / QPSK



Date: 20,NOV,2018 15:06:20

Highest Channel / 15MHz / 16QAM



Date: 20,NOV,2018 15:06:08