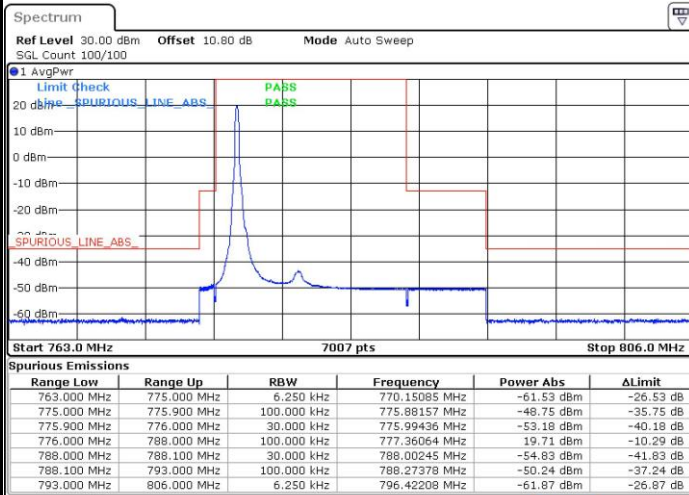
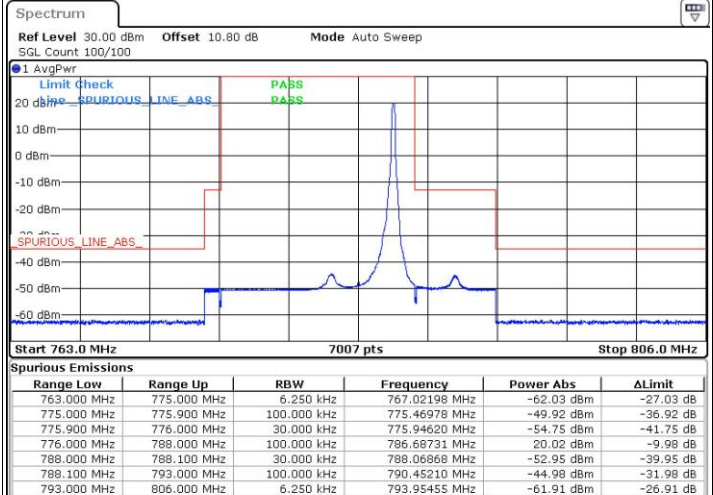
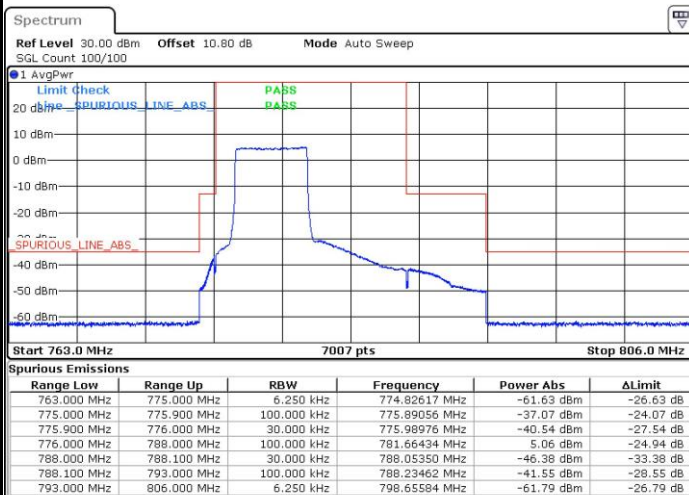


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

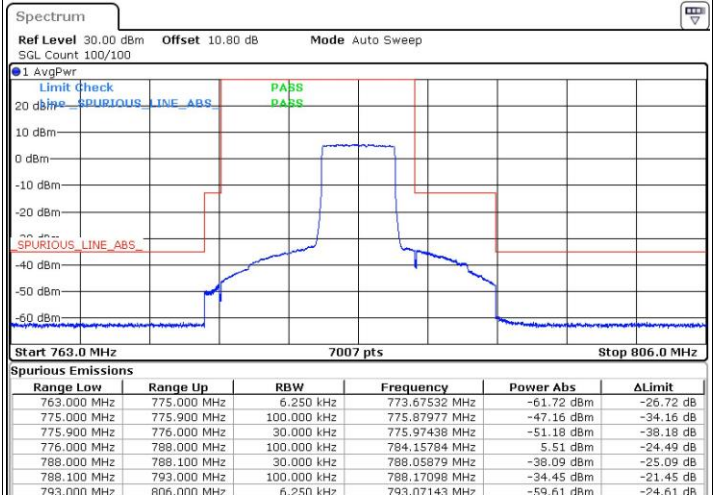
Date: 8 JAN 2019 18:55:16

Highest Band Edge / 1 RB

Date: 8 JAN 2019 19:07:41

Lowest Band Edge / Full RB

Date: 8 JAN 2019 18:50:12

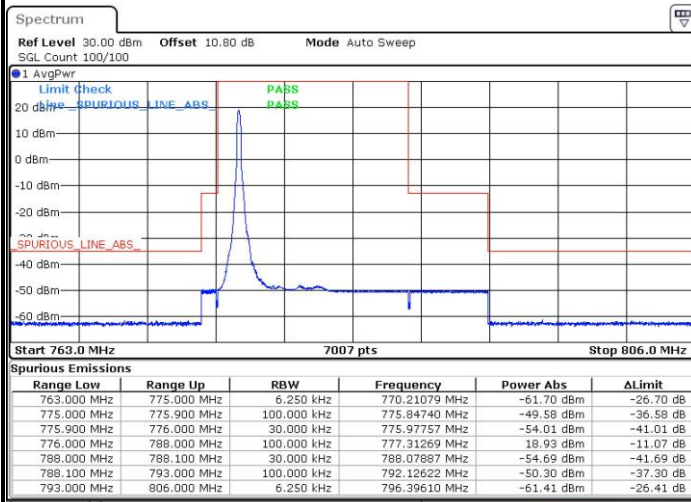
Highest Band Edge / Full RB

Date: 8 JAN 2019 19:02:37

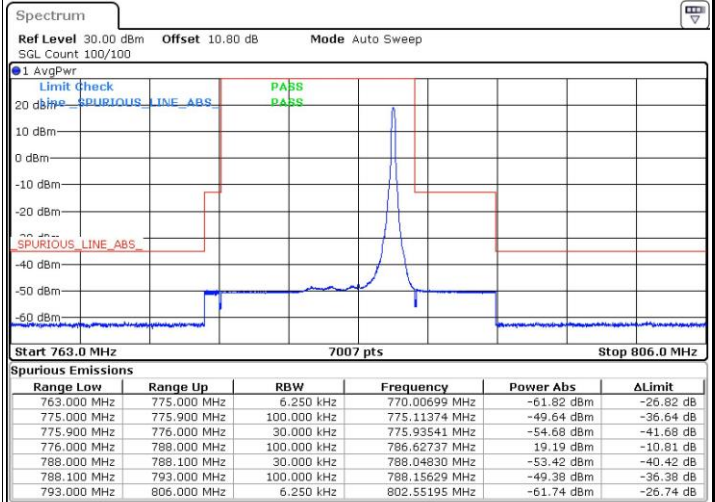


LTE Band 13 / 5MHz / 16QAM

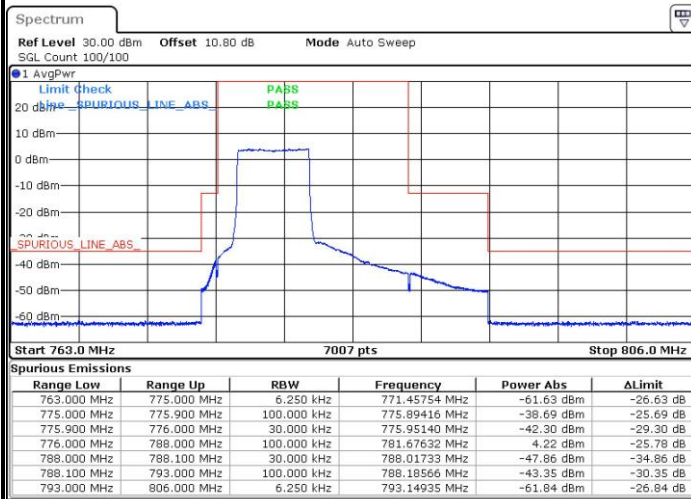
Lowest Band Edge / 1 RB



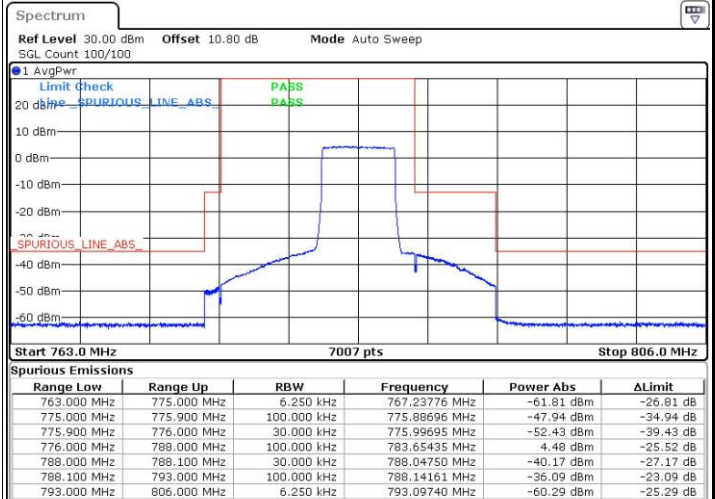
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



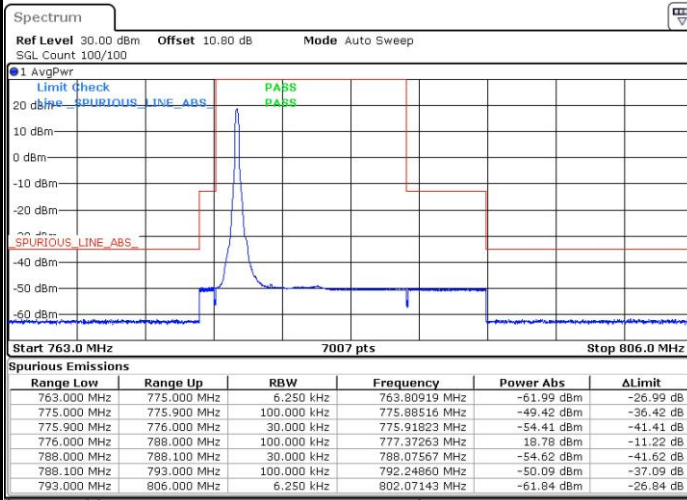
Highest Band Edge / Full RB



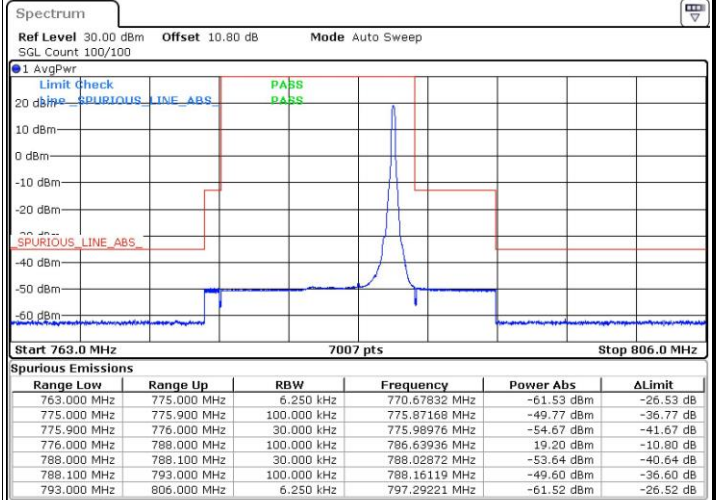


LTE Band 13 / 5MHz / 64QAM

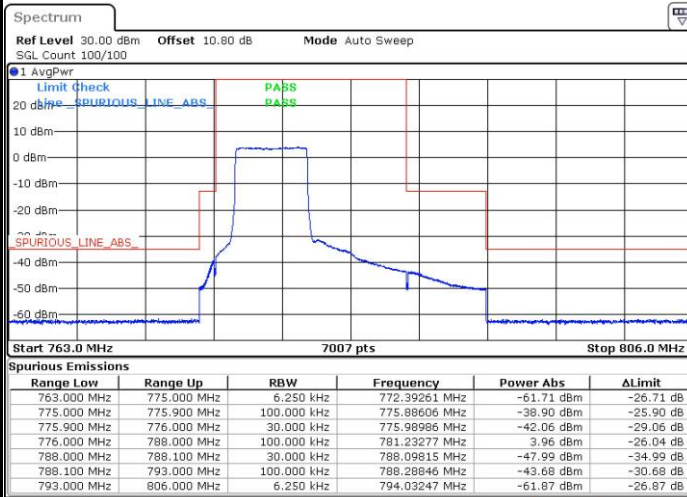
Lowest Band Edge / 1 RB



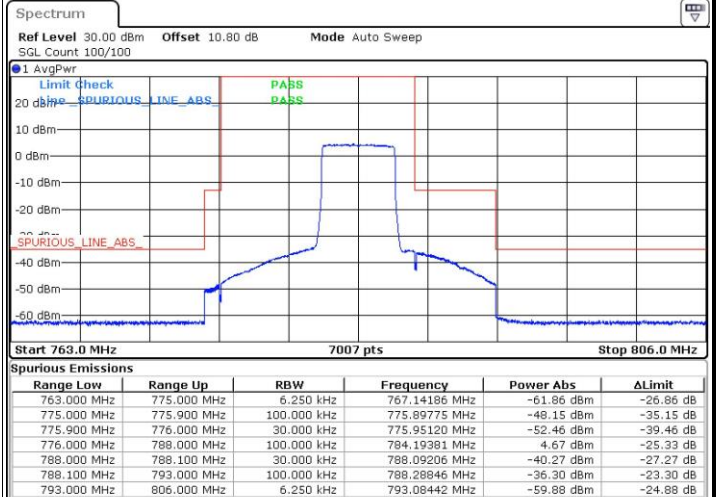
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



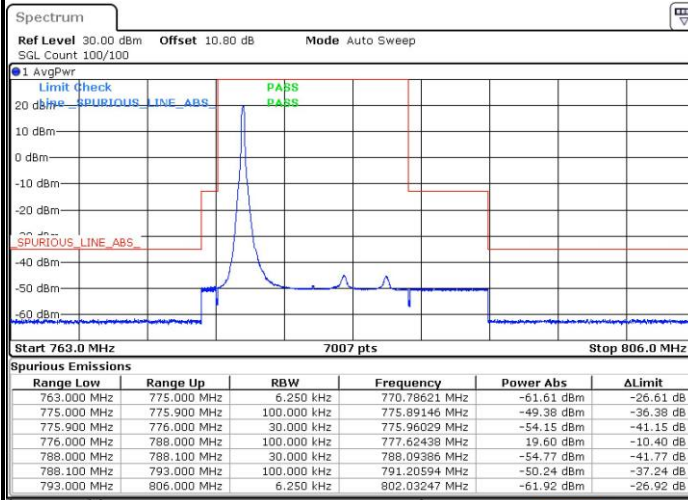
Highest Band Edge / Full RB





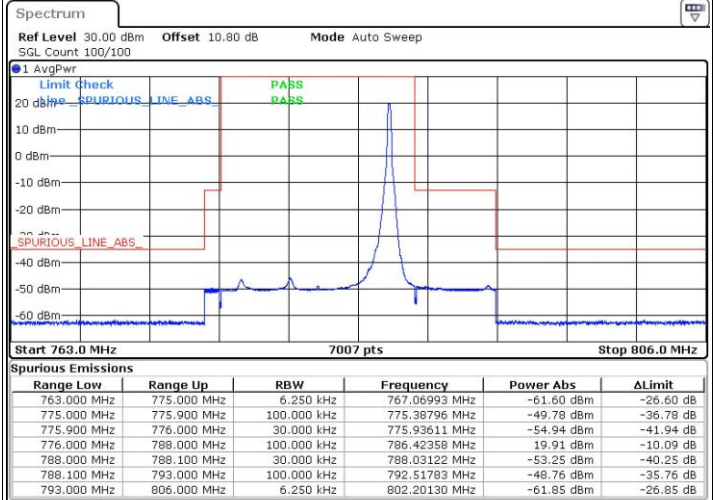
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



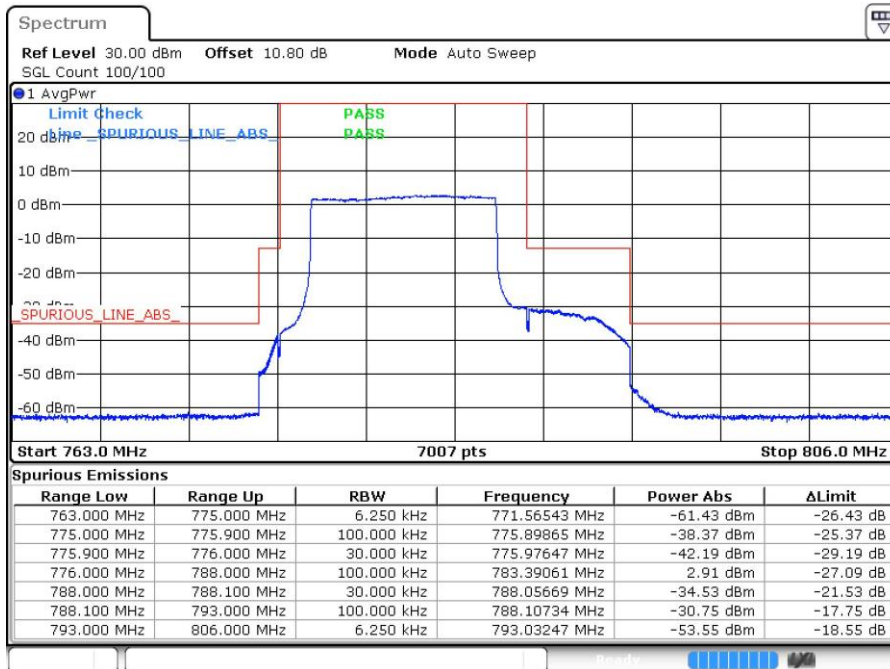
Date: 8 JAN 2019 19:28:13

Highest Band Edge / 1 RB



Date: 8 JAN 2019 19:29:54

Band Edge / Full RB

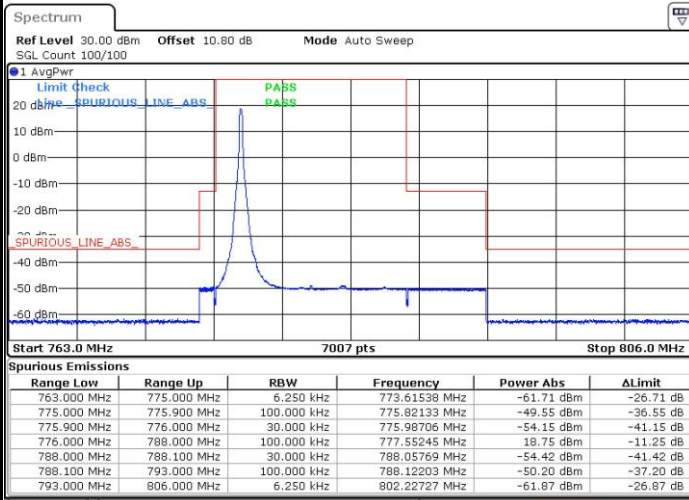


Date: 8 JAN 2019 19:23:11



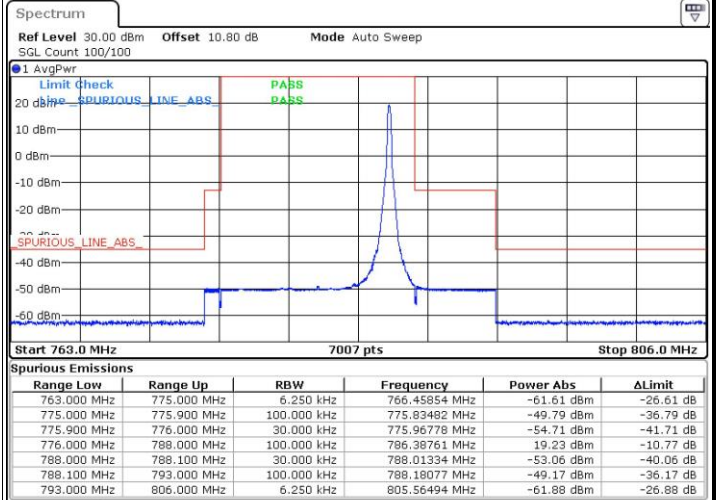
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



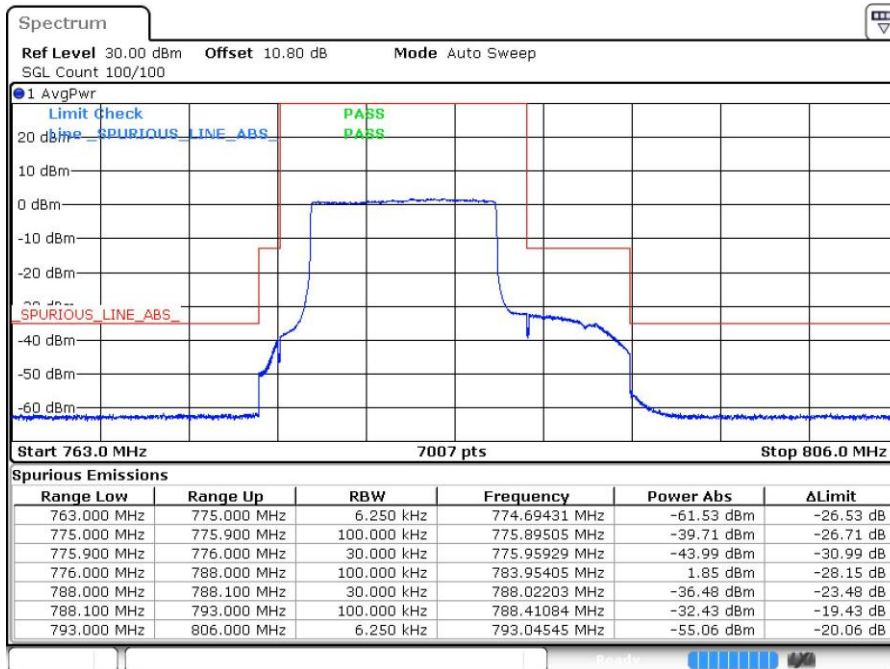
Date: 8 JAN 2019 19:26:33

Highest Band Edge / 1 RB



Date: 8 JAN 2019 19:31:35

Band Edge / Full RB

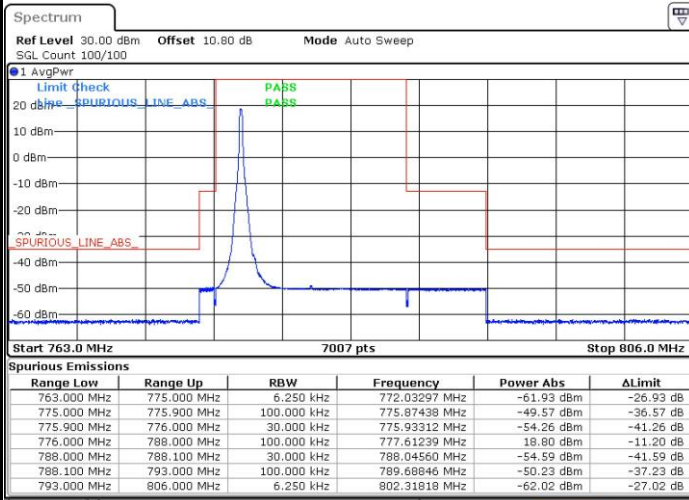


Date: 8 JAN 2019 19:24:52



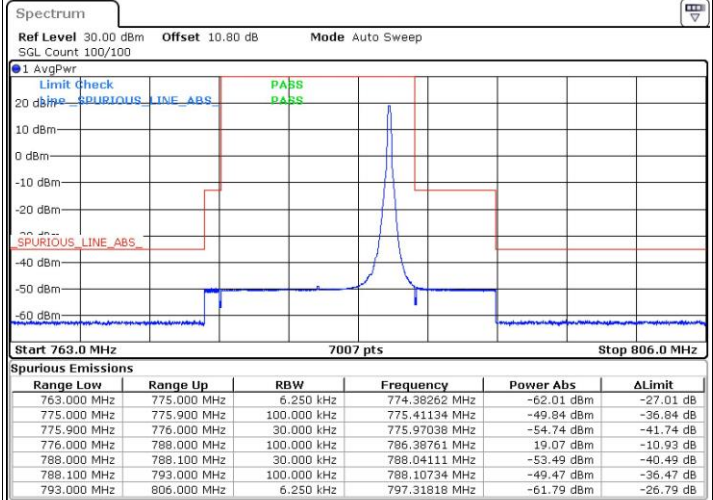
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



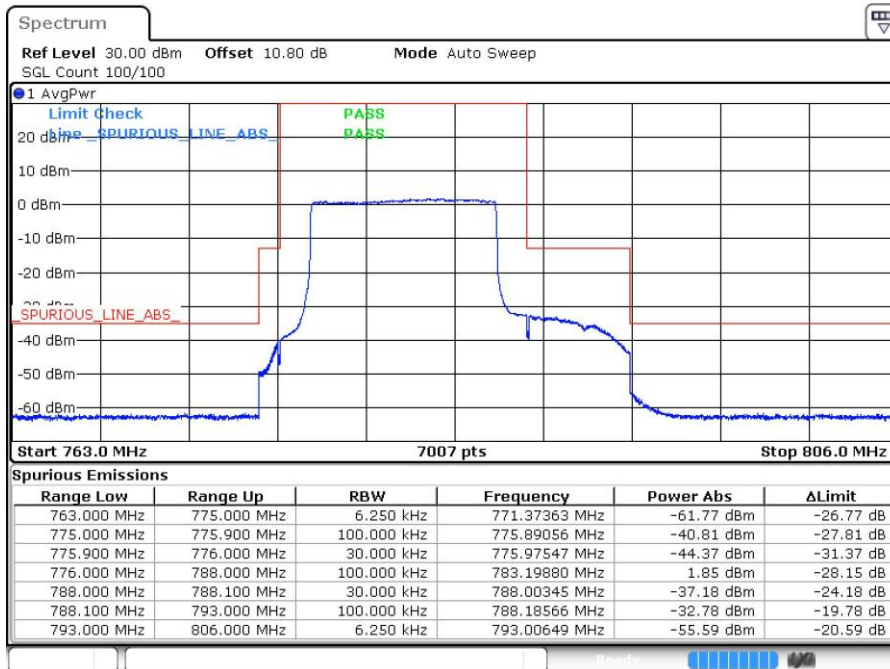
Date: 8 JAN 2019 19:37:20

Highest Band Edge / 1 RB



Date: 8 JAN 2019 19:39:01

Band Edge / Full RB



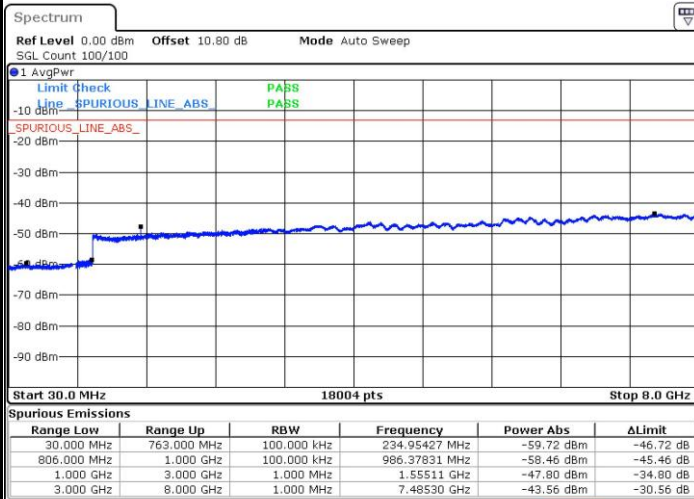
Date: 8 JAN 2019 19:35:39



Conducted Spurious Emission

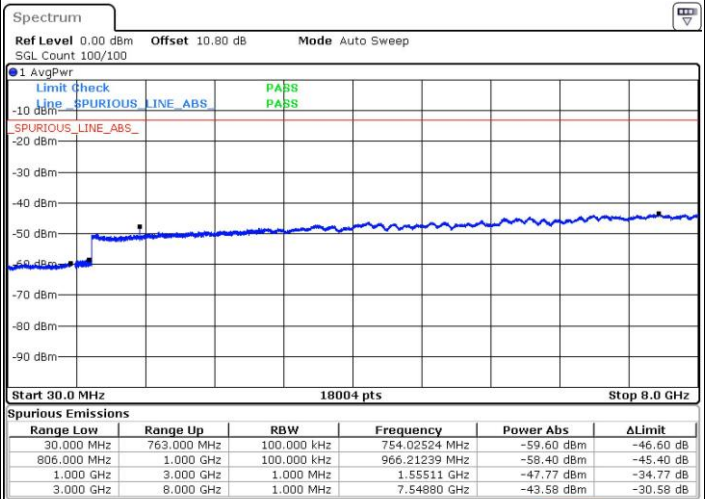
LTE Band 13 / 5MHz

Lowest Channel / QPSK



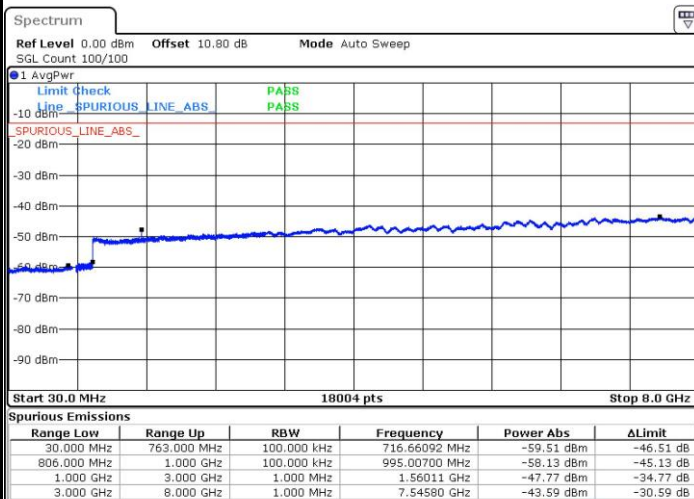
Date: 8 JAN 2019 18:56:18

Lowest Channel / 16QAM



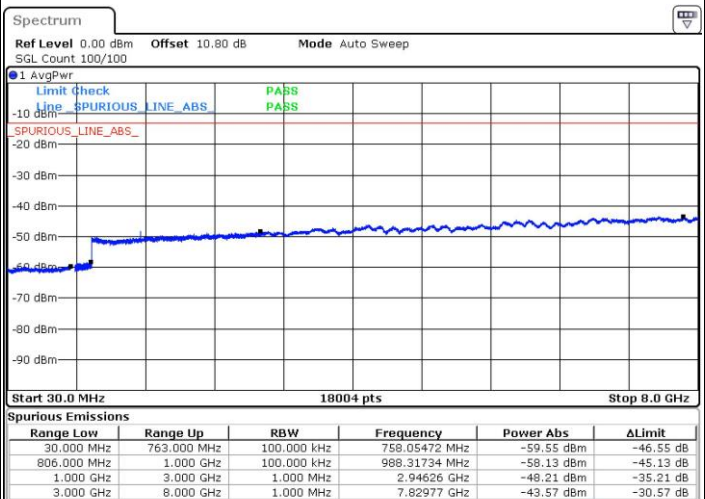
Date: 8 JAN 2019 18:57:19

Middle Channel / QPSK



Date: 8 JAN 2019 18:59:20

Middle Channel / 16QAM

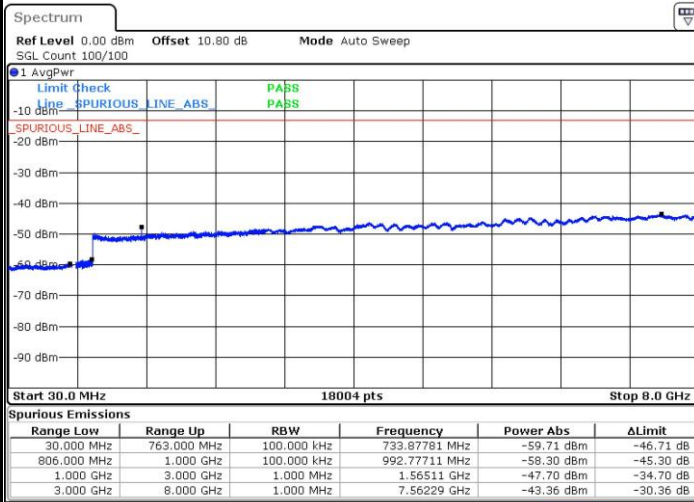


Date: 8 JAN 2019 18:58:19



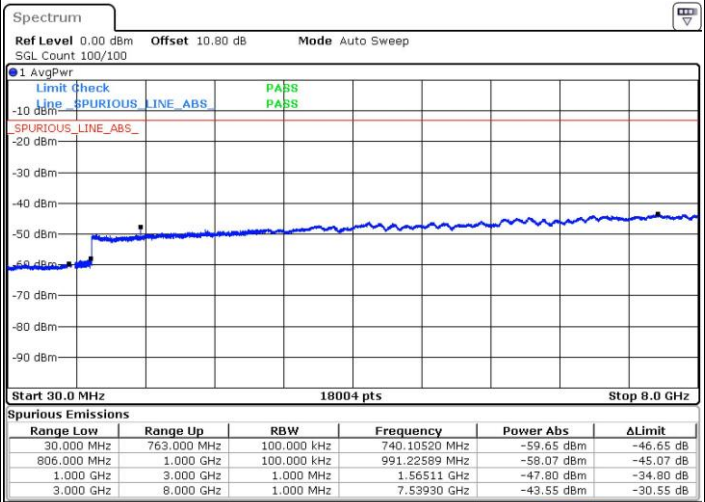
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 8 JAN 2019 19:08:42

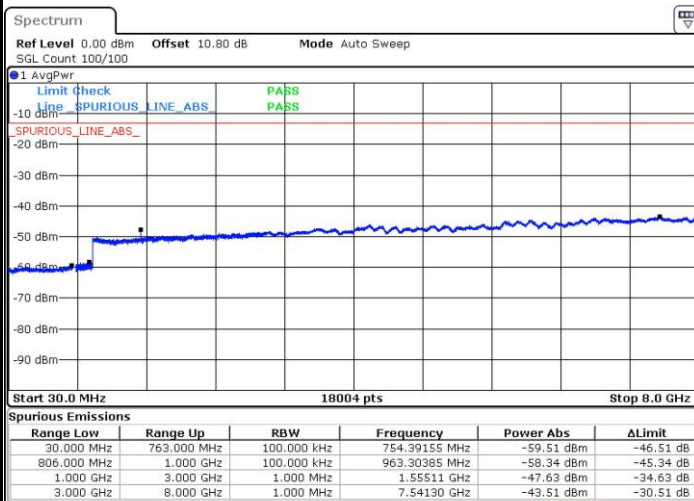
Highest Channel / 16QAM



Date: 8 JAN 2019 19:09:43

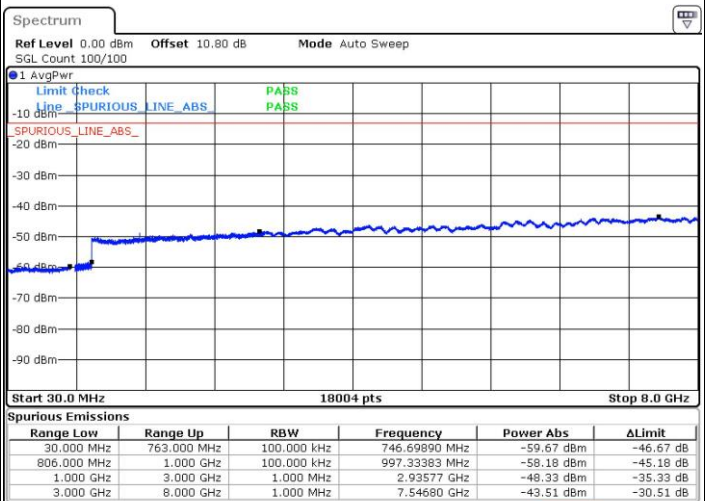
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 8 JAN 2019 19:33:36

Middle Channel / 16QAM

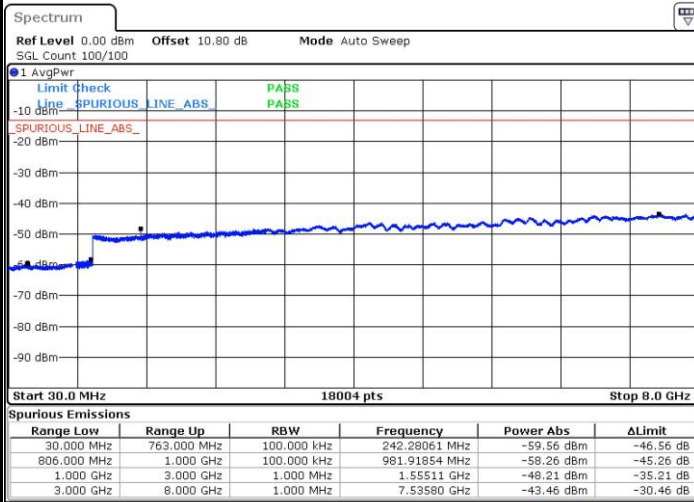


Date: 8 JAN 2019 19:32:36



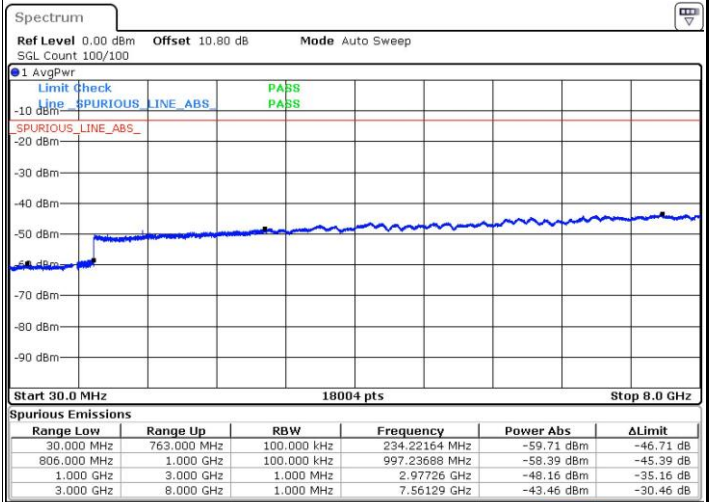
LTE Band 13 / 5MHz

Lowest Channel / 64QAM



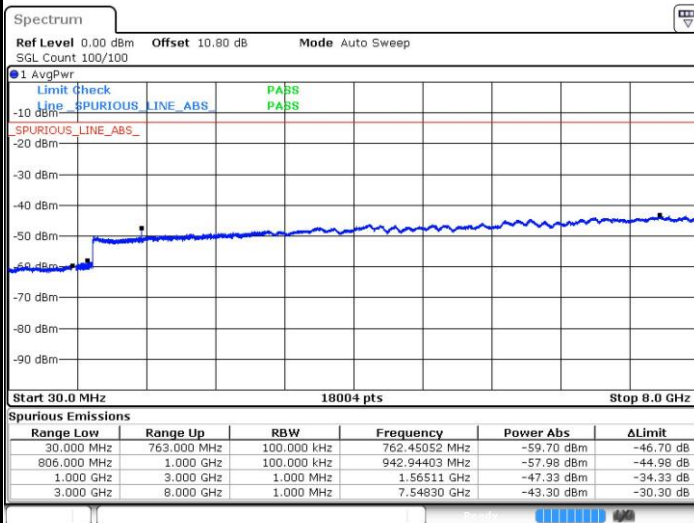
Date: 8 JAN 2019 19:14:32

Middle Channel / 64QAM



Date: 8 JAN 2019 19:15:32

Highest Channel / 64QAM

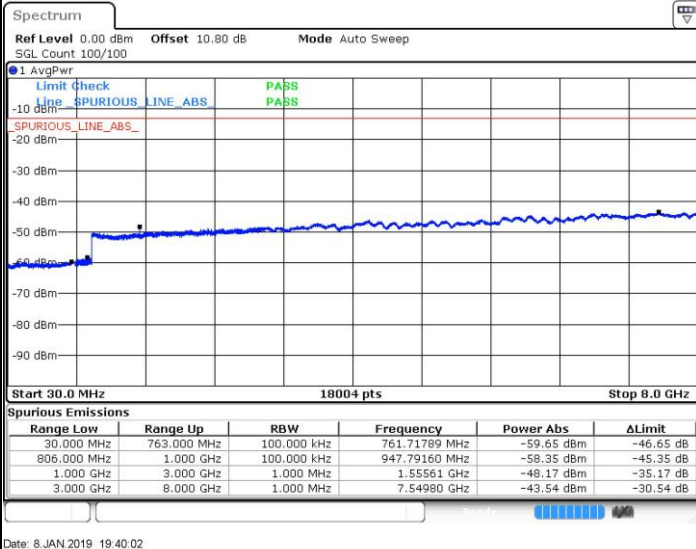


Date: 8 JAN 2019 19:20:43



LTE Band 13 / 10MHz

Middle Channel / 64QAM



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0082	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0104	
0	Normal Voltage	0.0086	
-10	Normal Voltage	0.0106	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0101	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0086	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 25

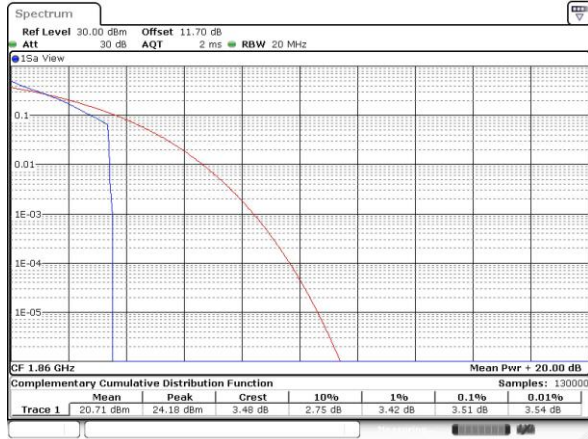
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.46	4.06	5.57	PASS
Middle CH	3.51	4.43	4.23	5.51	
Highest CH	3.54	4.7	4.23	5.59	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.36	6.20	-	-	PASS
Middle CH	5.36	6.29	-	-	
Highest CH	5.48	6.17	-	-	

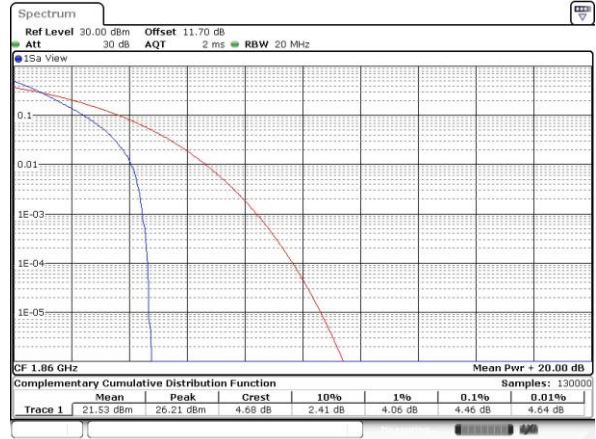


LTE Band 25 / 20MHz / QPSK

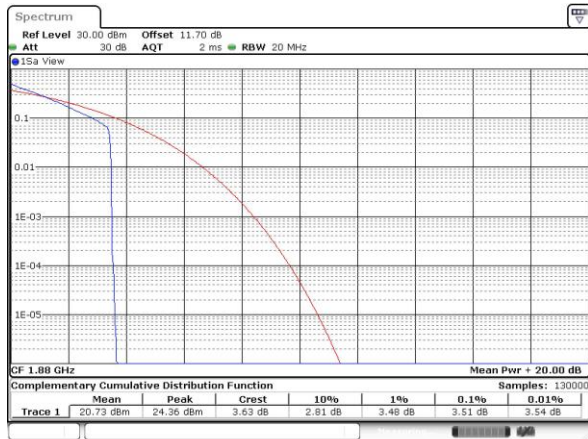
Lowest Channel / 1RB



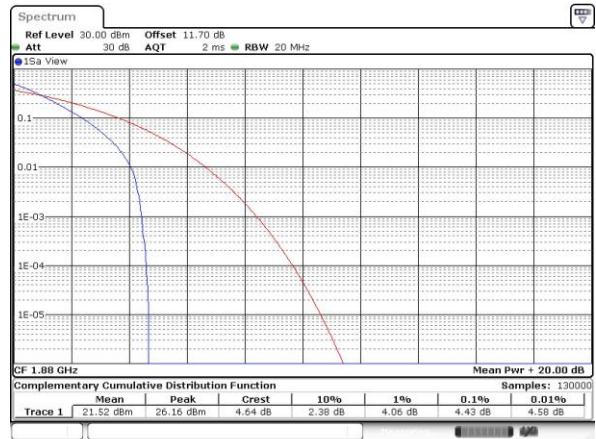
Lowest Channel / Full RB



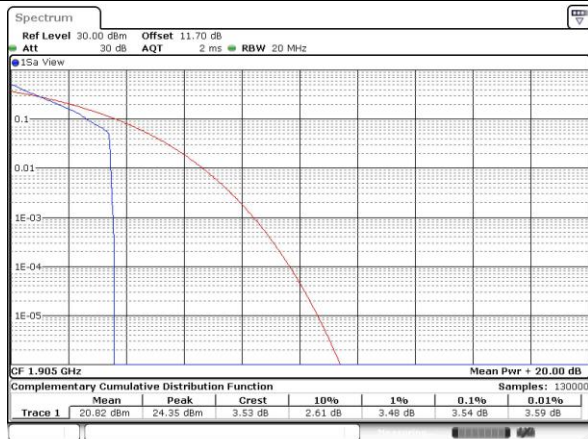
Middle Channel / 1RB



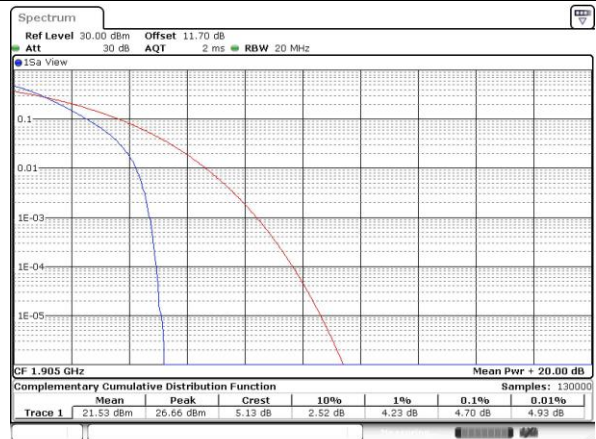
Middle Channel / Full RB



Highest Channel / 1RB



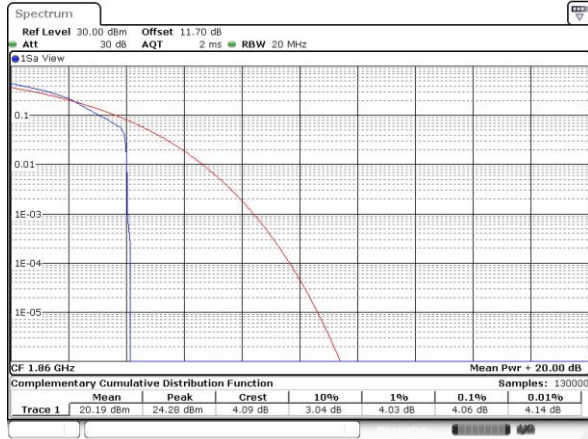
Highest Channel / Full RB



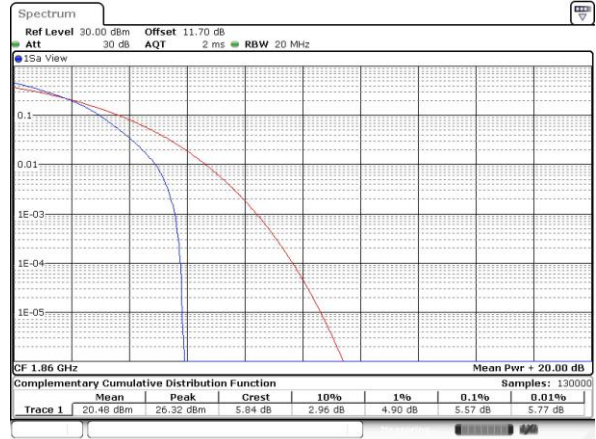


LTE Band 25 / 20MHz / 16QAM

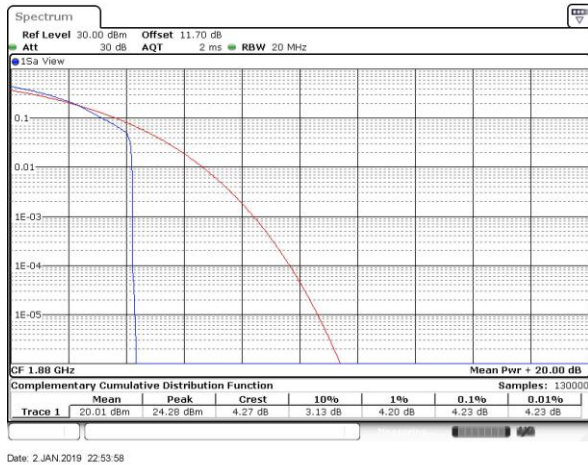
Lowest Channel / 1RB



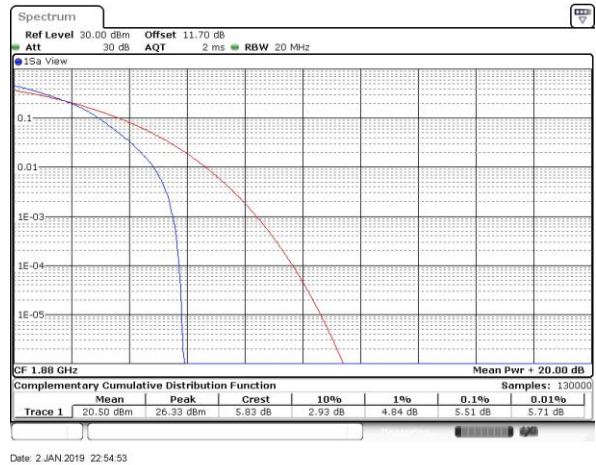
Lowest Channel / Full RB



Middle Channel / 1RB



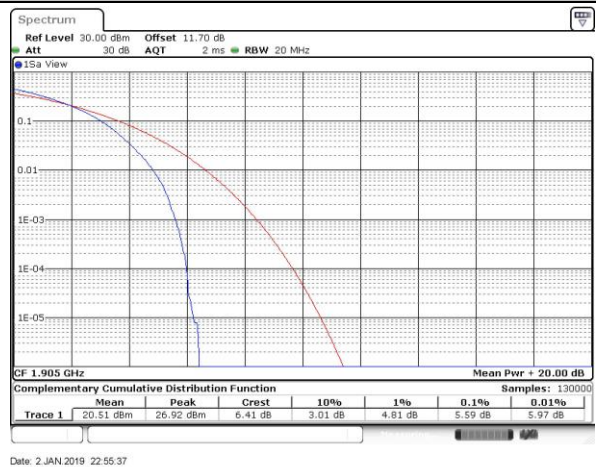
Middle Channel / Full RB

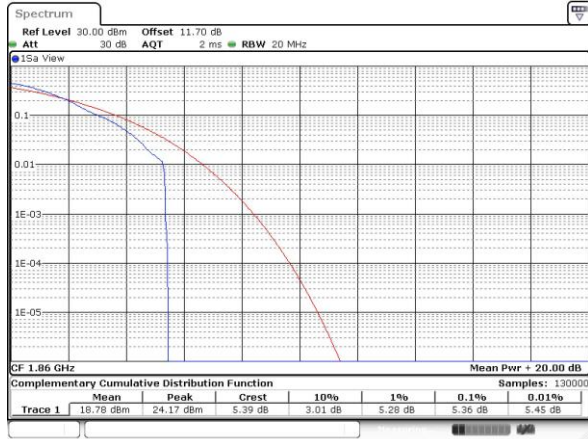


Highest Channel / 1RB

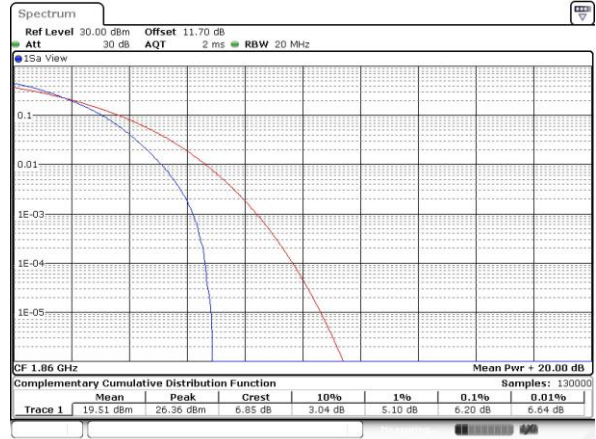


Highest Channel / Full RB

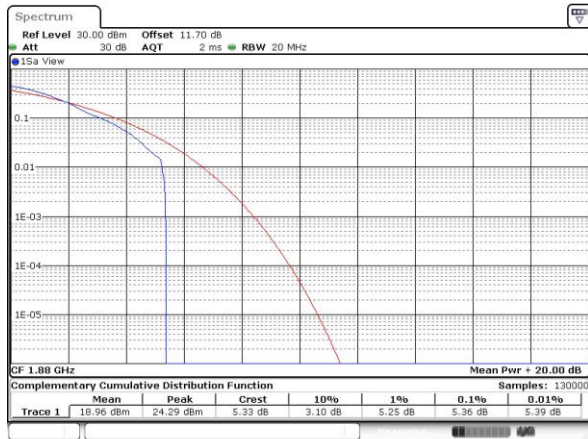


LTE Band 25 / 20MHz / 64QAM
Lowest Channel / 1RB


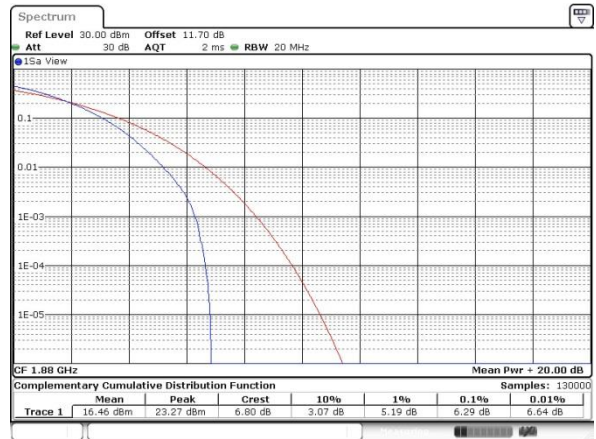
Date: 2 JAN 2019 23:51:14

Lowest Channel / Full RB


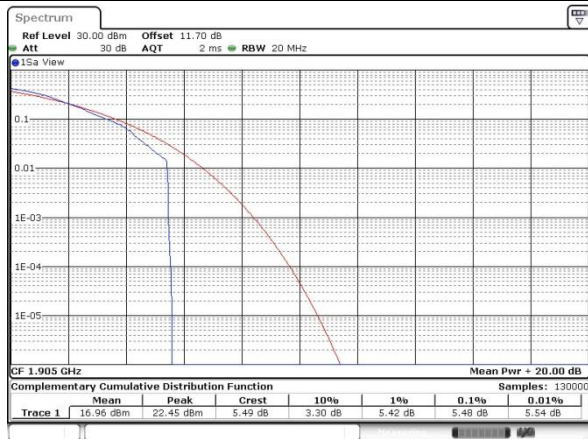
Date: 2 JAN 2019 23:51:25

Middle Channel / 1RB


Date: 2 JAN 2019 23:51:36

Middle Channel / Full RB


Date: 1 FEB 2019 19:59:09

Highest Channel / 1RB


Date: 1 FEB 2019 19:59:45

Highest Channel / Full RB


Date: 1 FEB 2019 19:59:27

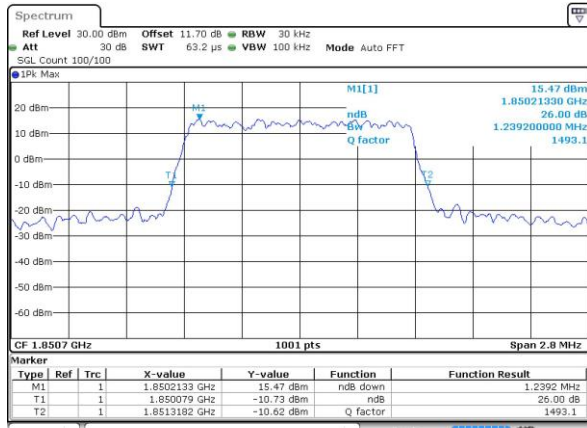
**26dB Bandwidth**

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	1.24	1.24	3.04	3.02	4.93	4.91	9.77	9.89	14.33	14.45	20.14	20.22
Middle CH	1.23	1.23	3.00	2.99	4.88	4.81	9.85	9.81	14.45	14.48	20.14	20.38
Highest CH	1.22	1.22	2.99	3.01	4.93	4.92	9.77	9.77	14.45	14.51	20.18	20.14
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	-	4.95	-	9.87	-	14.36	-	20.22	-
Middle CH	1.22	-	3.06	-	4.93	-	9.85	-	14.30	-	20.06	-
Highest CH	1.23	-	3.04	-	4.89	-	9.75	-	14.39	-	20.34	-



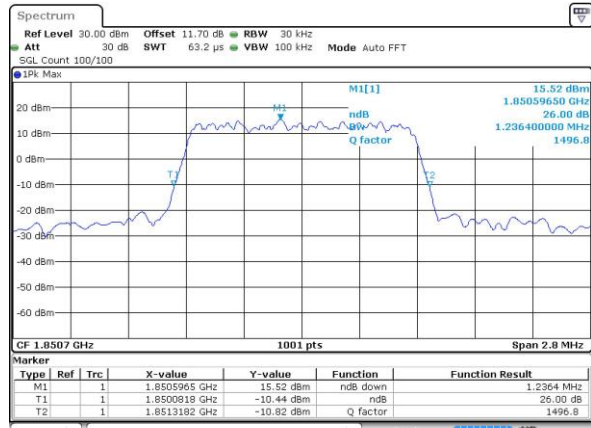
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



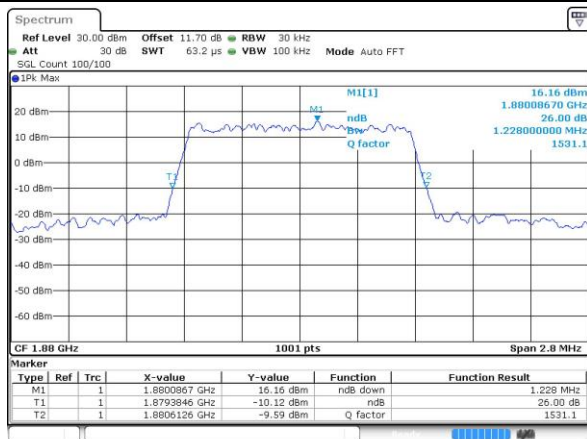
Date: 2 JAN 2019 22:36:10

Lowest Channel / 1.4MHz / 16QAM



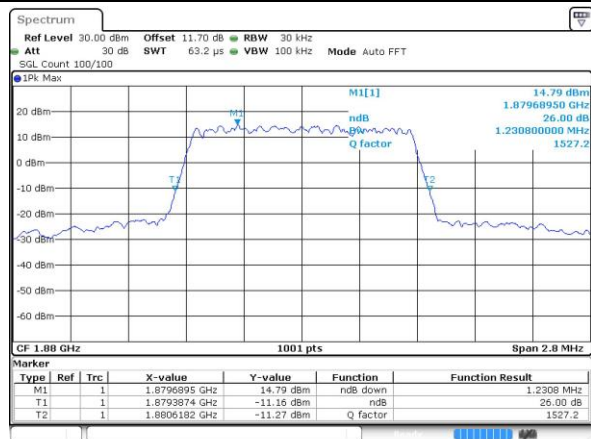
Date: 2 JAN 2019 22:36:22

Middle Channel / 1.4MHz / QPSK



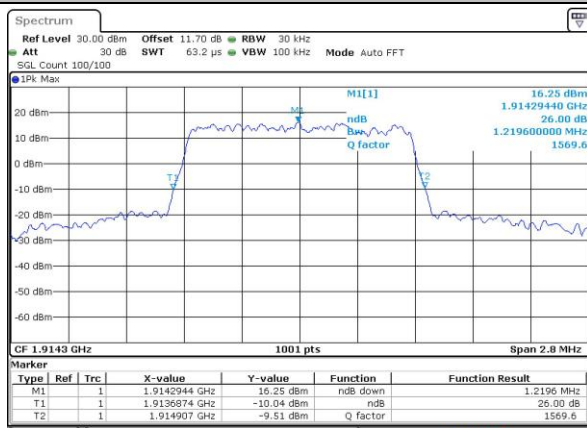
Date: 2 JAN 2019 22:43:20

Middle Channel / 1.4MHz / 16QAM



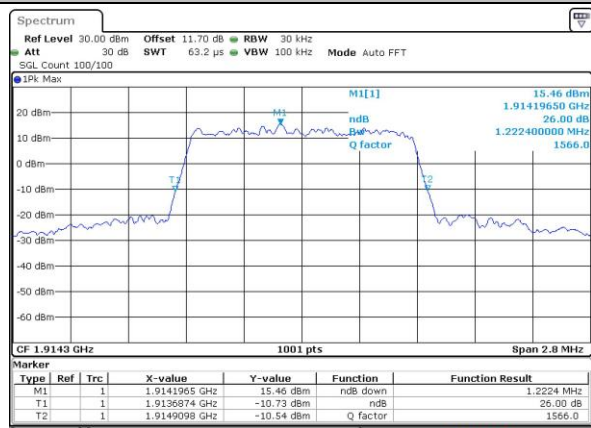
Date: 2 JAN 2019 22:43:32

Highest Channel / 1.4MHz / QPSK



Date: 2 JAN 2019 22:46:25

Highest Channel / 1.4MHz / 16QAM

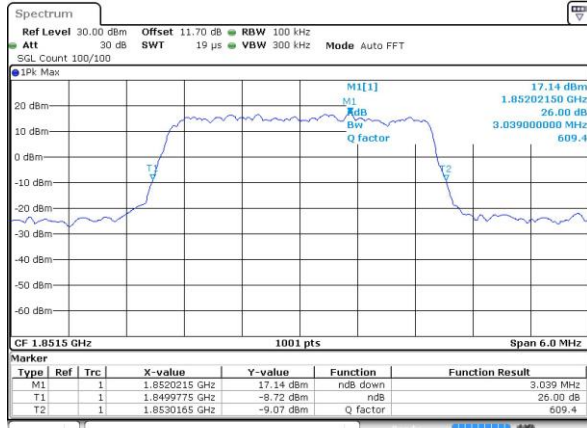


Date: 2 JAN 2019 22:46:12



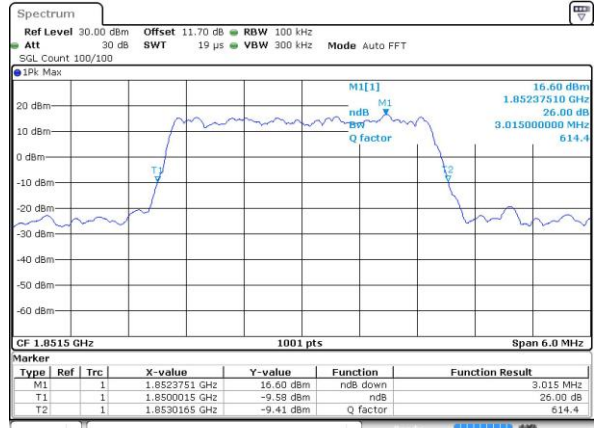
LTE Band 25

Lowest Channel / 3MHz / QPSK



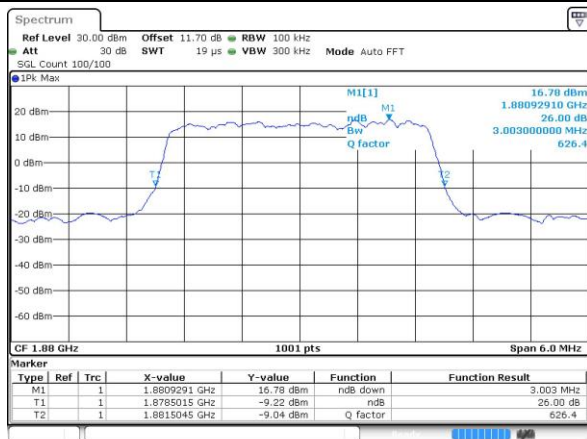
Date: 2 JAN 2019 21:11:08

Lowest Channel / 3MHz / 16QAM



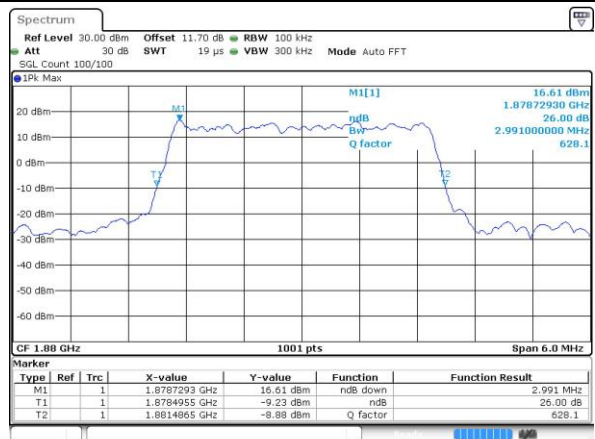
Date: 2 JAN 2019 21:11:20

Middle Channel / 3MHz / QPSK



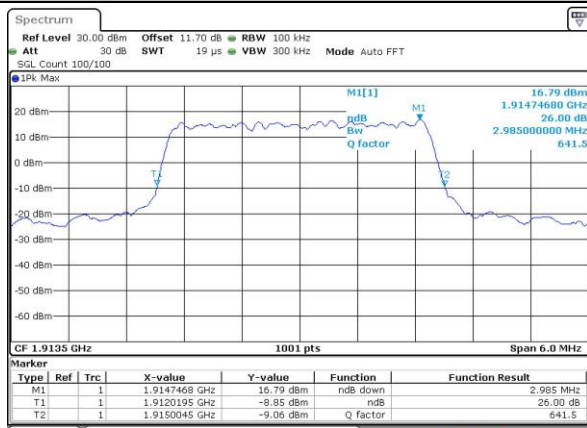
Date: 2 JAN 2019 21:16:05

Middle Channel / 3MHz / 16QAM



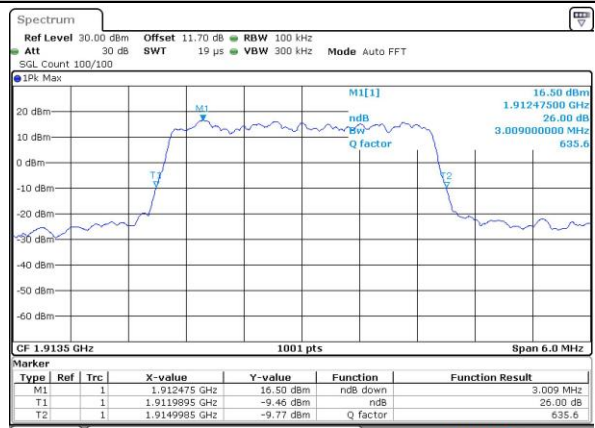
Date: 2 JAN 2019 21:16:17

Highest Channel / 3MHz / QPSK



Date: 2 JAN 2019 21:21:09

Highest Channel / 3MHz / 16QAM

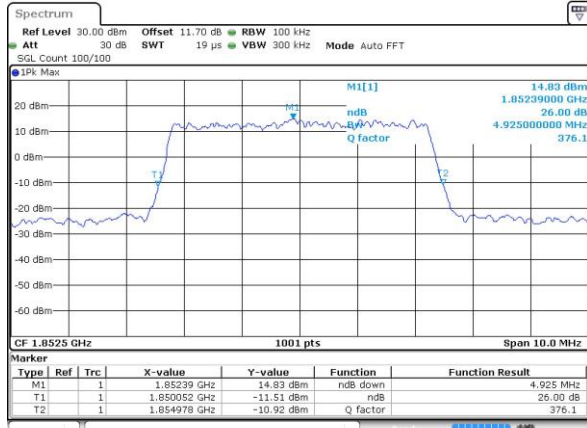


Date: 2 JAN 2019 21:20:57

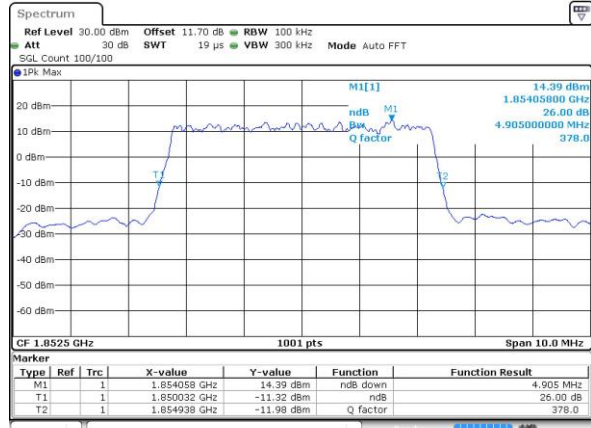


LTE Band 25

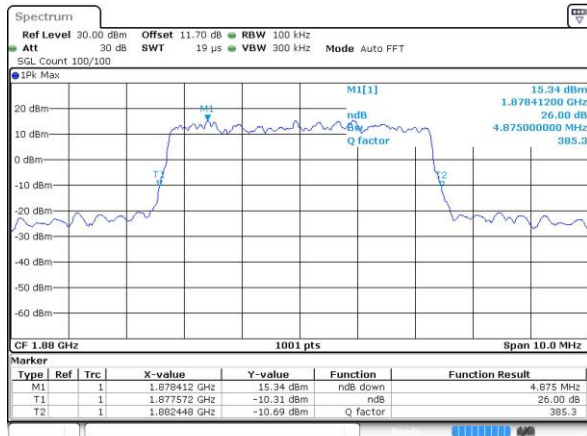
Lowest Channel / 5MHz / QPSK



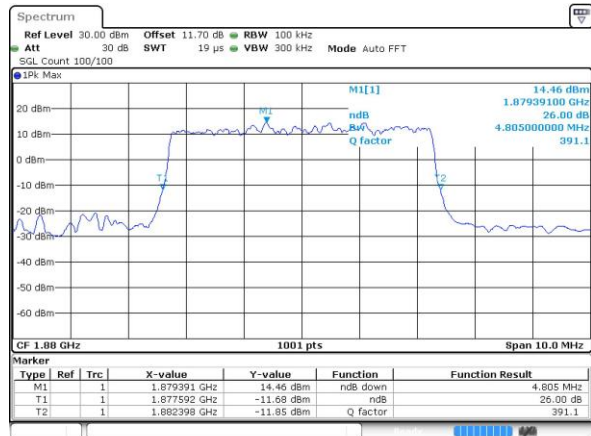
Lowest Channel / 5MHz / 16QAM



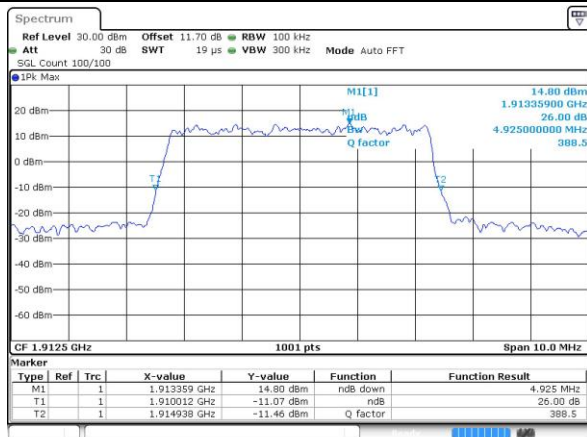
Middle Channel / 5MHz / QPSK



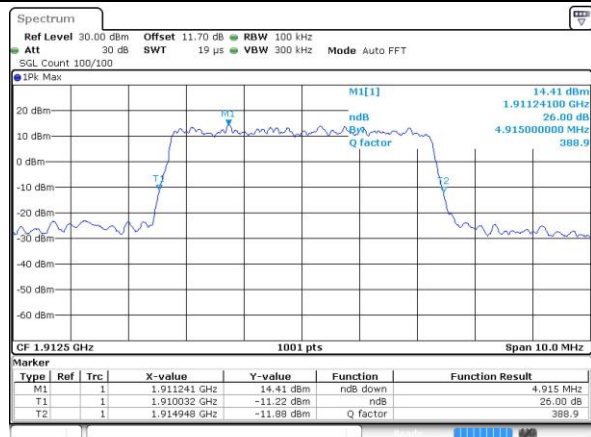
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



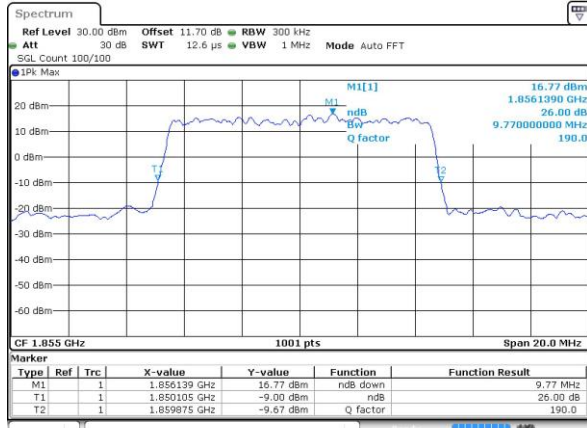
Highest Channel / 5MHz / 16QAM



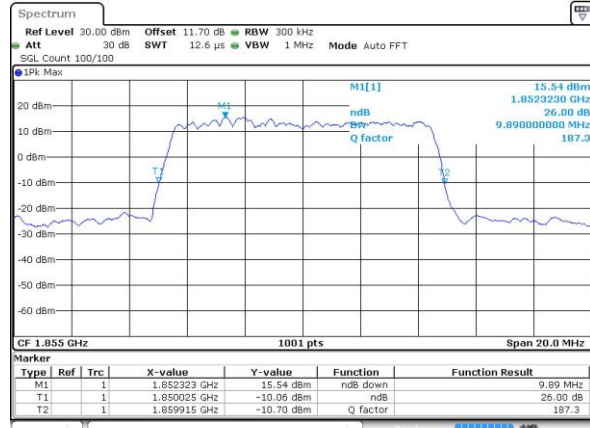


LTE Band 25

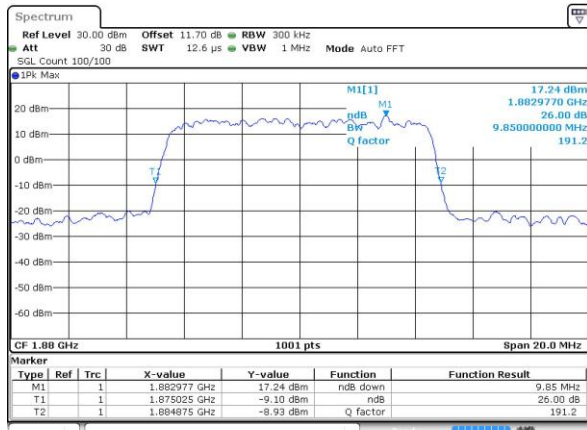
Lowest Channel / 10MHz / QPSK



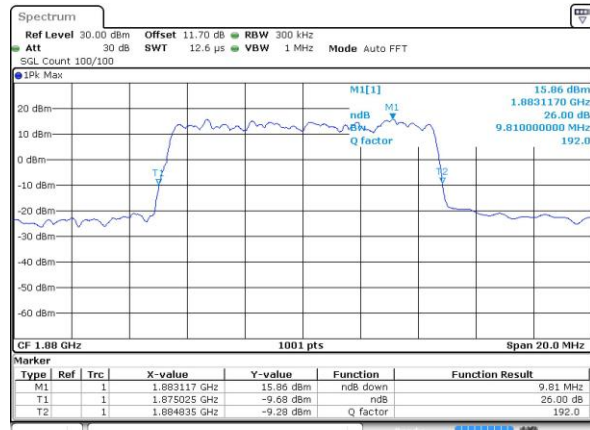
Lowest Channel / 10MHz / 16QAM



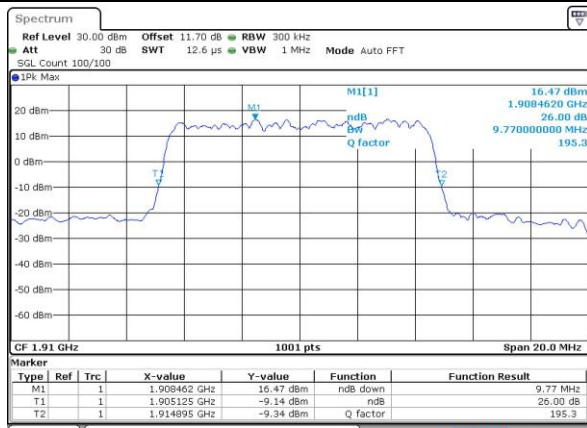
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

