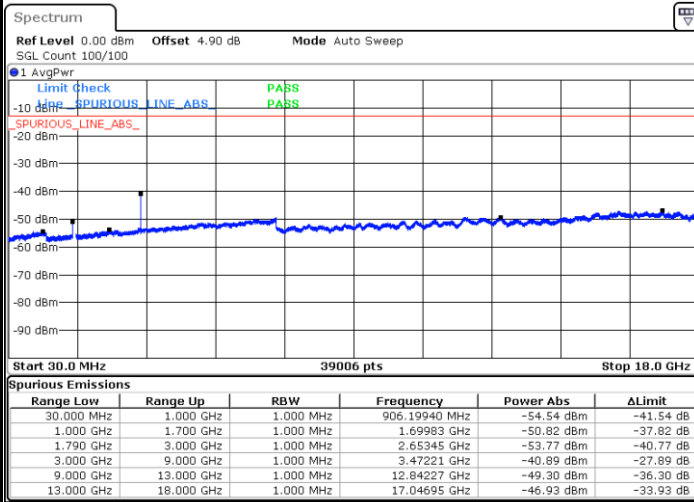




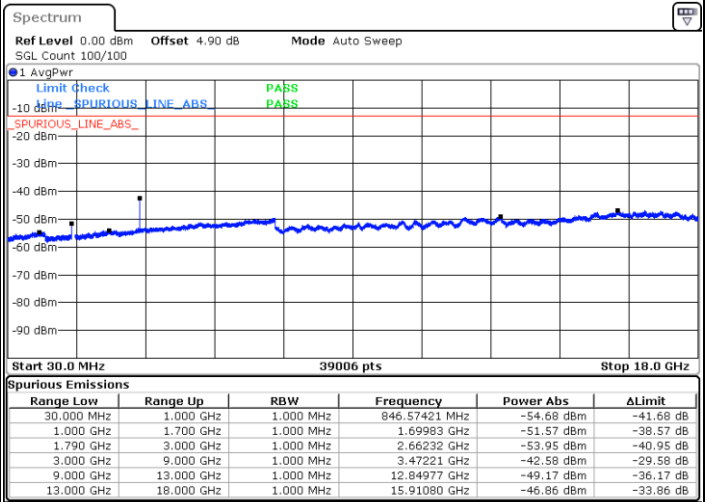
LTE Band 66 / 20MHz

Middle Channel / QPSK



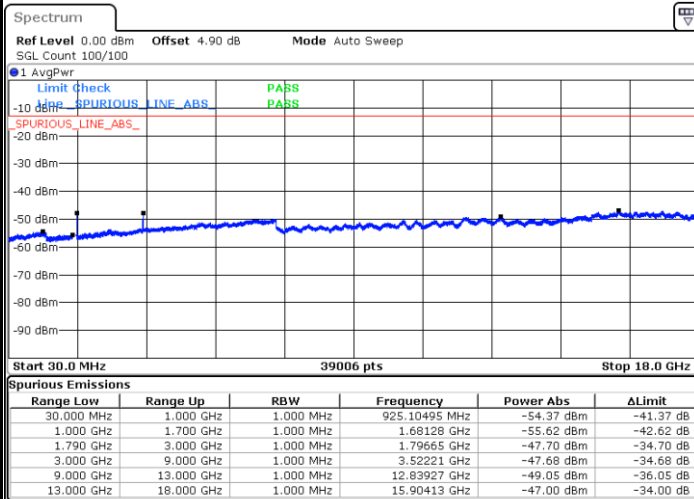
Date: 4 DEC. 2019 14:33:17

Middle Channel / 16QAM



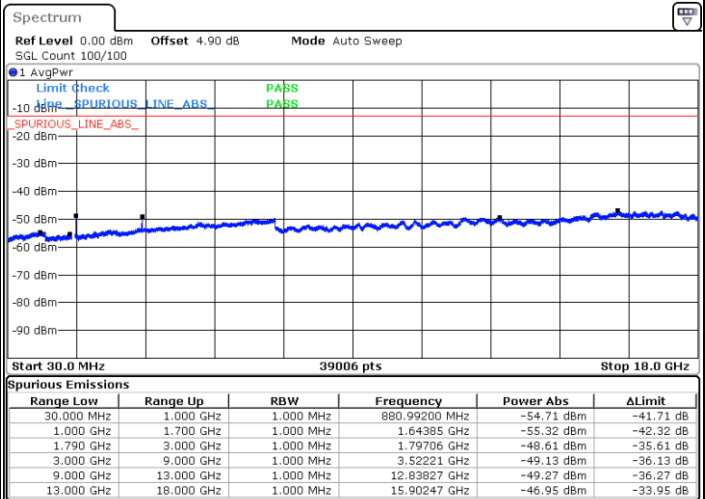
Date: 4 DEC. 2019 14:32:13

Highest Channel / QPSK



Date: 4 DEC. 2019 14:28:08

Highest Channel / 16QAM



Date: 4 DEC. 2019 14:30:24

**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

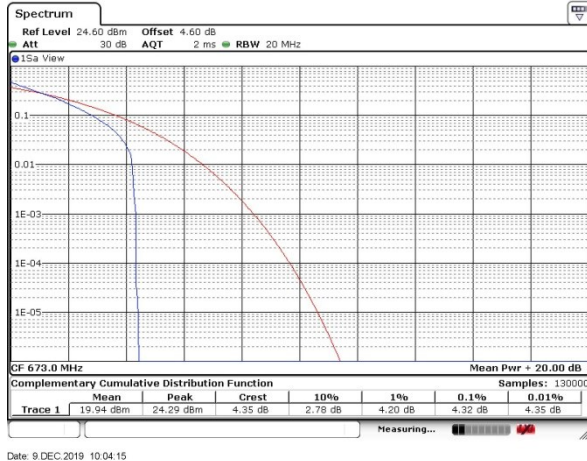
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.32	5.25	5.30	6.20	PASS
Middle CH	4.93	4.84	5.54	6.17	
Highest CH	4.75	5.25	5.80	6.29	

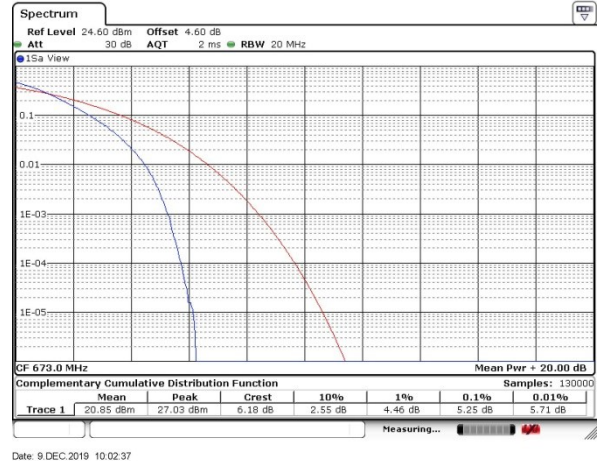


LTE Band 71 / 20MHz / QPSK

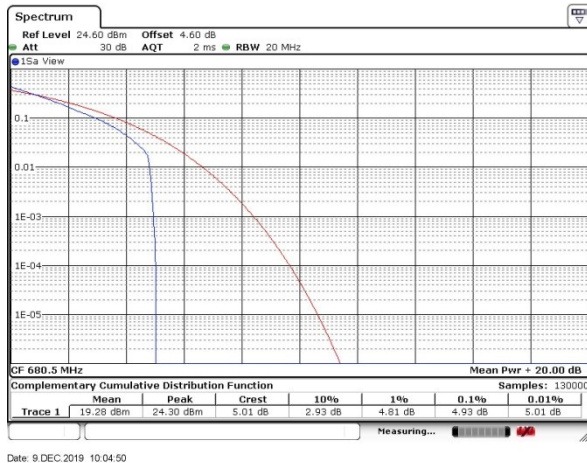
Lowest Channel / 1RB



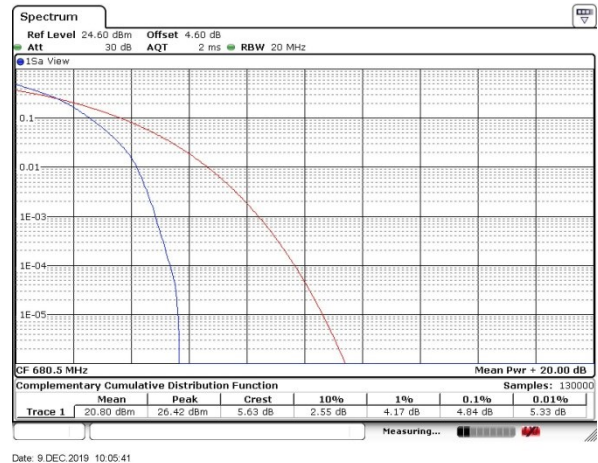
Lowest Channel / Full RB



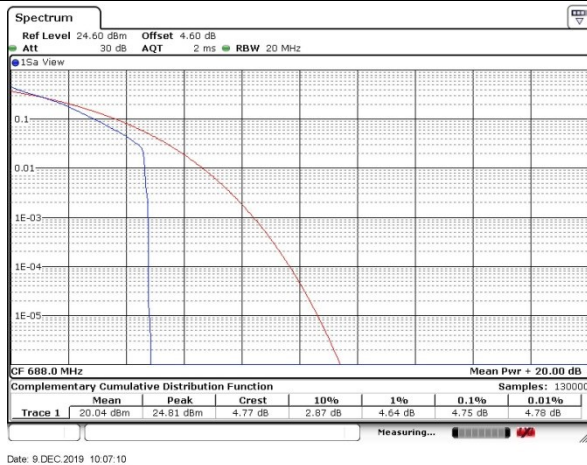
Middle Channel / 1RB



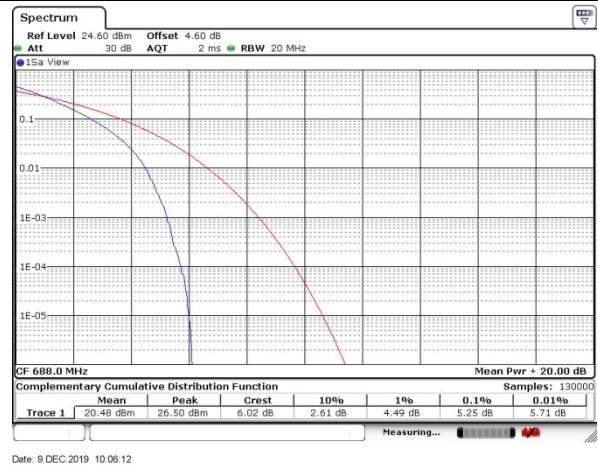
Middle Channel / Full RB



Highest Channel / 1RB



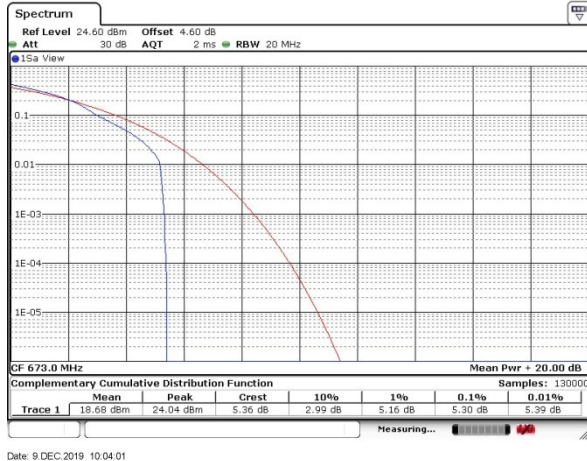
Highest Channel / Full RB



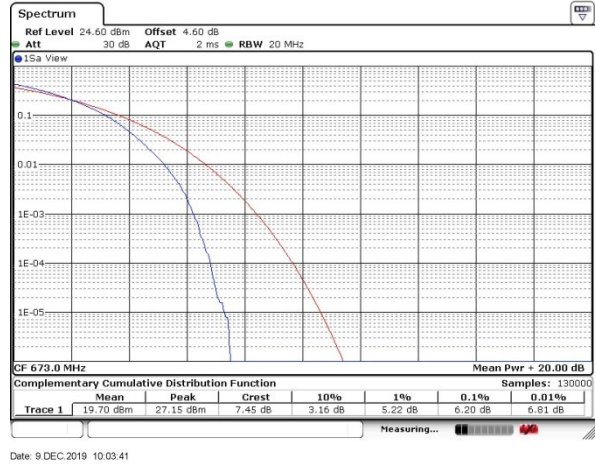


LTE Band 71 / 20MHz / 16QAM

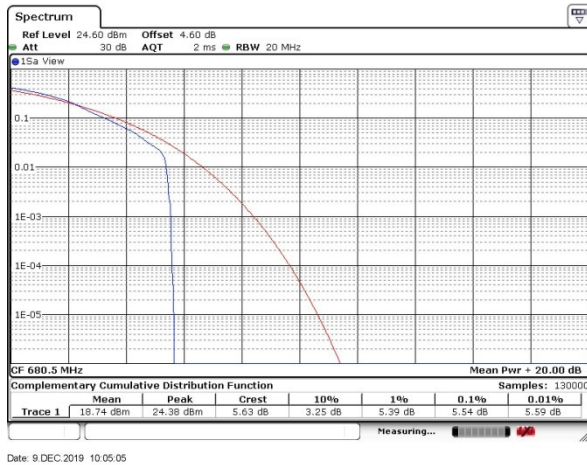
Lowest Channel / 1RB



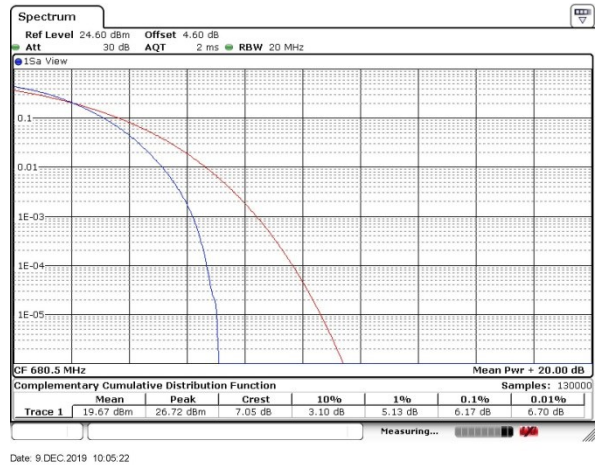
Lowest Channel / Full RB



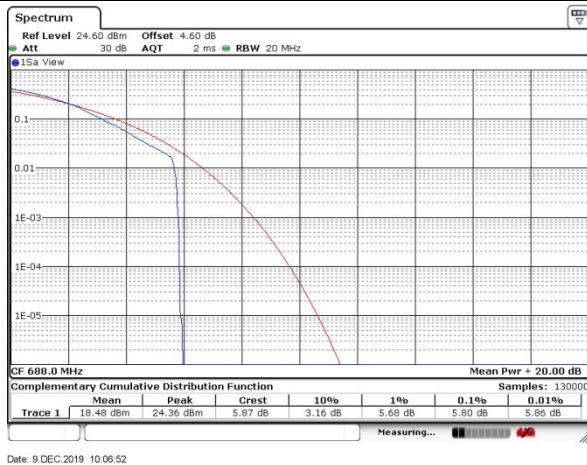
Middle Channel / 1RB



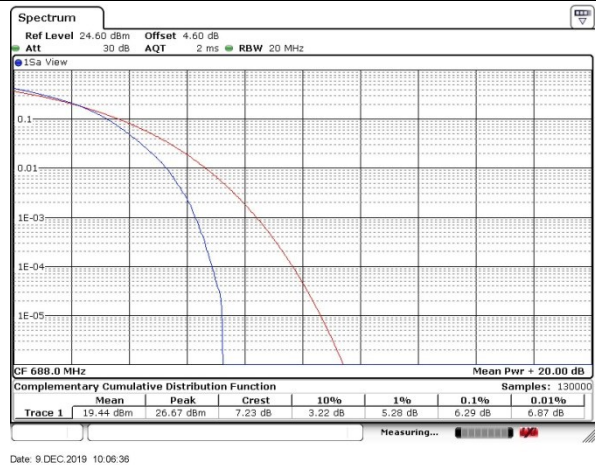
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



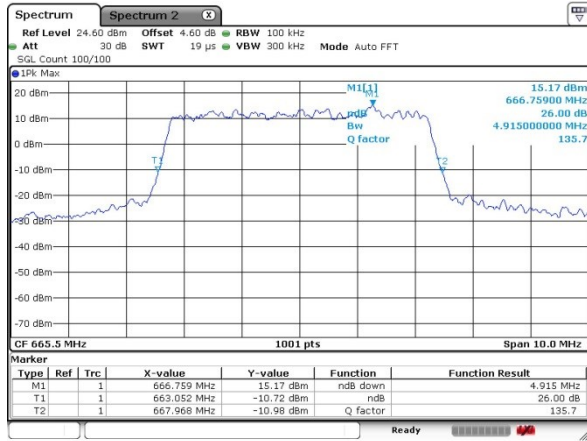
**26dB Bandwidth**

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.915	4.885	9.85	9.87	14.386	14.326	20.1	20.14				
Middle CH	4.885	4.885	9.71	9.73	14.326	14.416	20.1	20.1				
Highest CH	4.985	4.795	9.79	9.91	14.416	14.565	20.22	20.26				



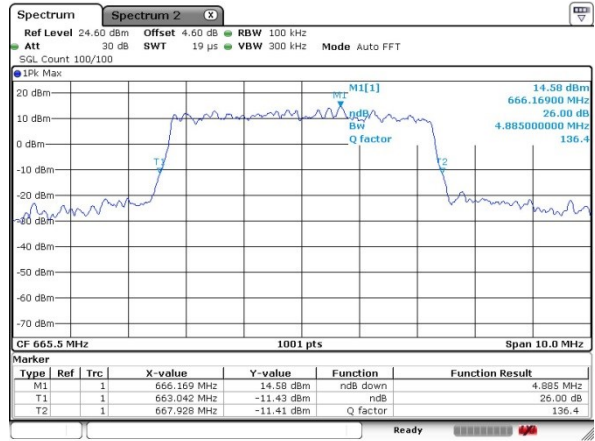
LTE Band 71

Lowest Channel / 5MHz / QPSK



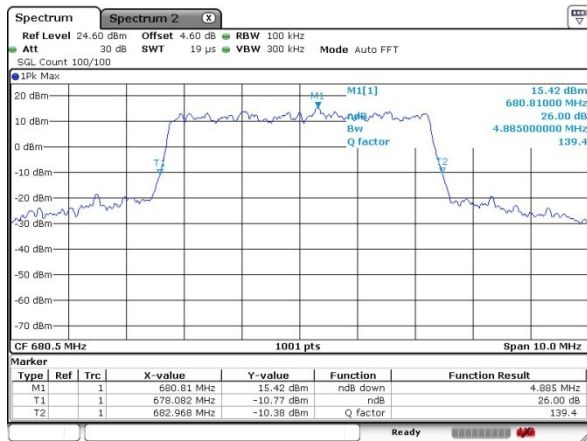
Date: 9 DEC 2019 14:22:22

Lowest Channel / 5MHz / 16QAM



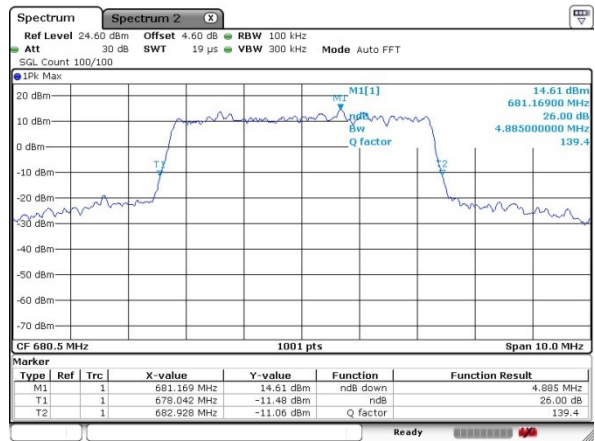
Date: 9 DEC 2019 14:23:32

Middle Channel / 5MHz / QPSK



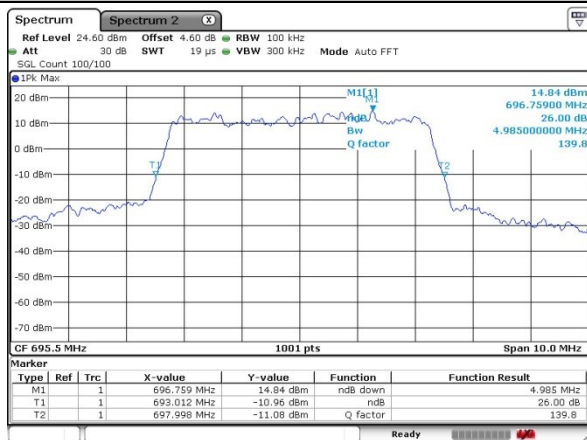
Date: 9 DEC 2019 14:19:07

Middle Channel / 5MHz / 16QAM



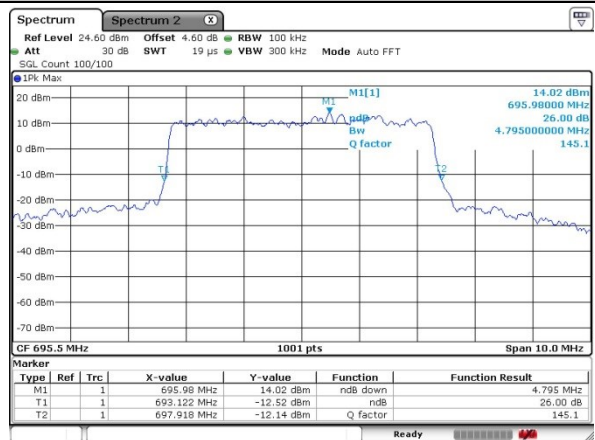
Date: 9 DEC 2019 14:20:13

Highest Channel / 5MHz / QPSK



Date: 9 DEC 2019 14:21:49

Highest Channel / 5MHz / 16QAM

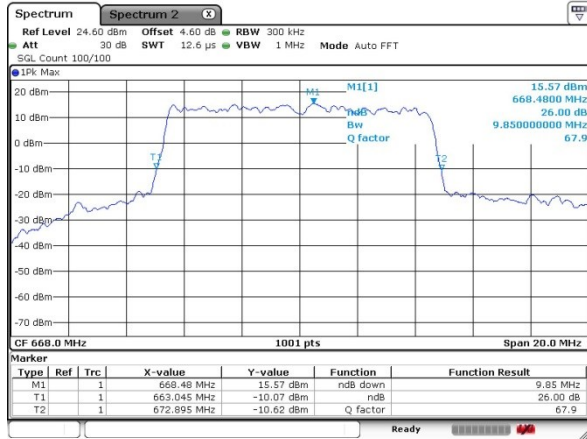


Date: 9 DEC 2019 14:20:49



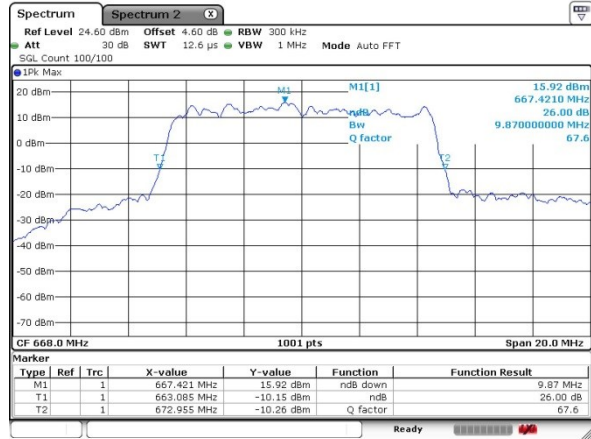
LTE Band 71

Lowest Channel / 10MHz / QPSK



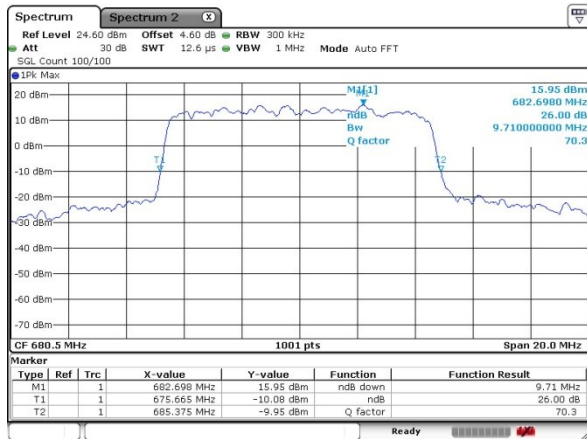
Date: 9 DEC 2019 14:09:55

Lowest Channel / 10MHz / 16QAM



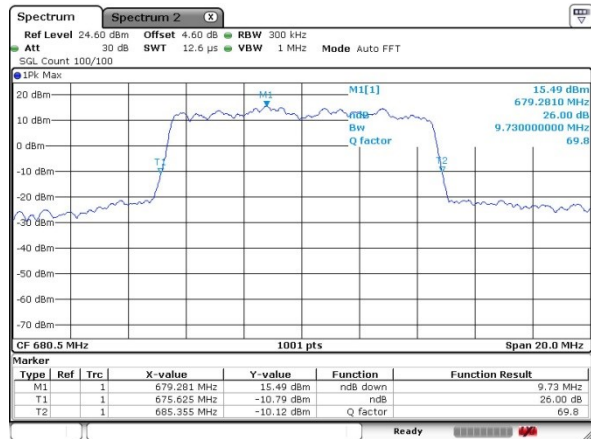
Date: 9 DEC 2019 14:08:58

Middle Channel / 10MHz / QPSK



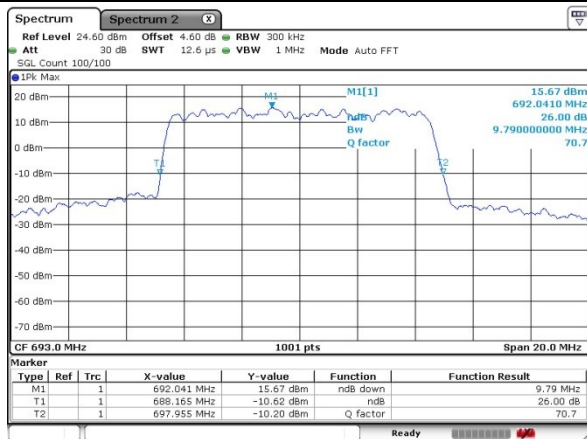
Date: 9 DEC 2019 14:06:46

Middle Channel / 10MHz / 16QAM



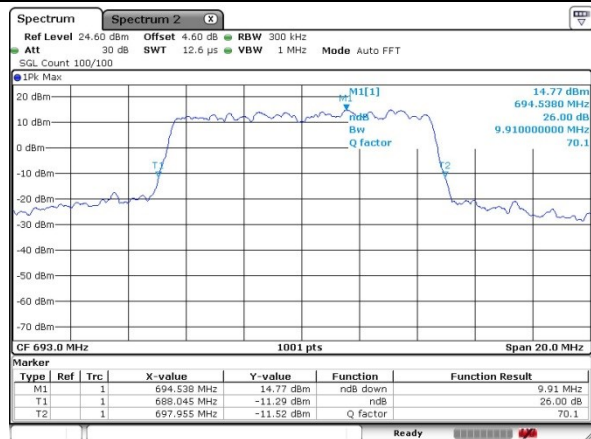
Date: 9 DEC 2019 14:05:54

Highest Channel / 10MHz / QPSK



Date: 9 DEC 2019 14:07:18

Highest Channel / 10MHz / 16QAM

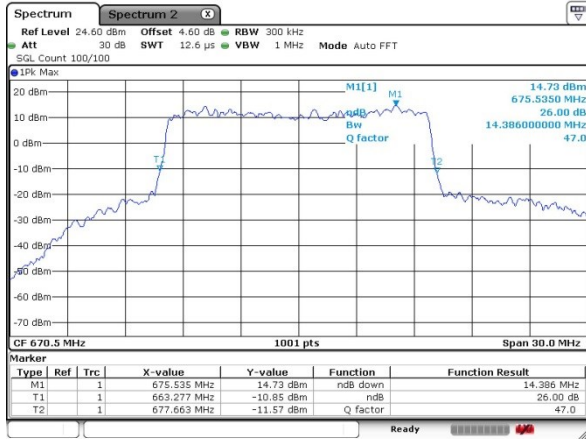


Date: 9 DEC 2019 14:08:19



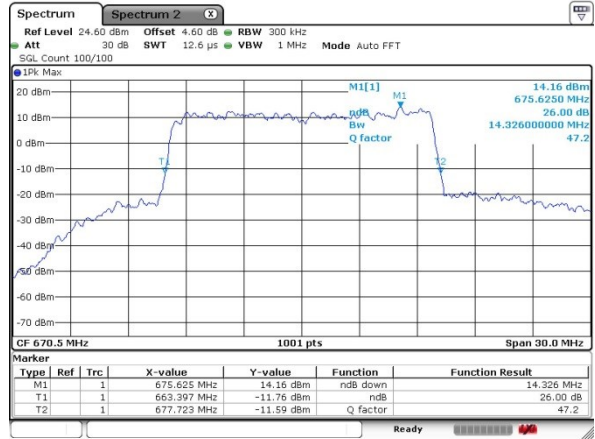
LTE Band 71

Lowest Channel / 15MHz / QPSK



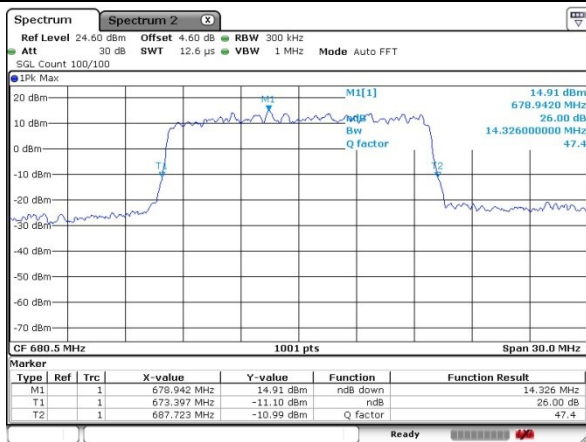
Date: 9 DEC 2019 14:03:08

Lowest Channel / 15MHz / 16QAM



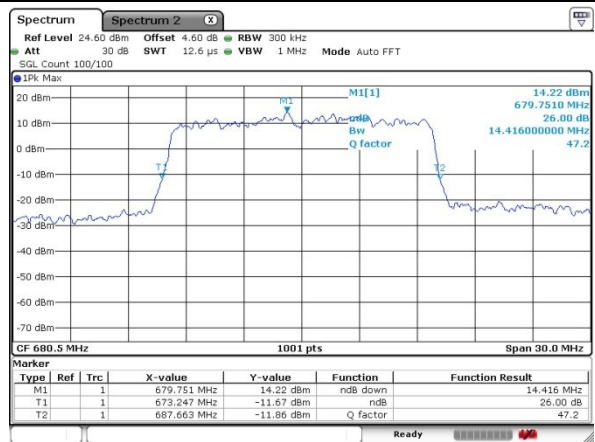
Date: 9 DEC 2019 14:03:28

Middle Channel / 15MHz / QPSK



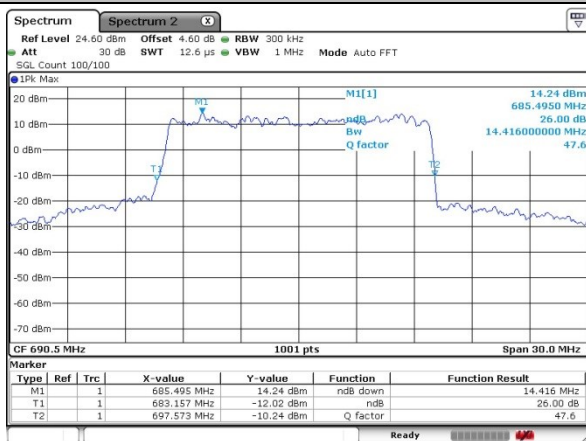
Date: 9 DEC 2019 14:00:22

Middle Channel / 15MHz / 16QAM



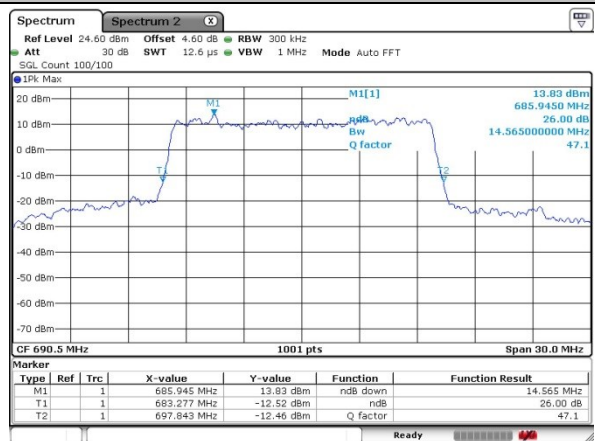
Date: 9 DEC 2019 14:00:40

Highest Channel / 15MHz / QPSK



Date: 9 DEC 2019 14:02:07

Highest Channel / 15MHz / 16QAM

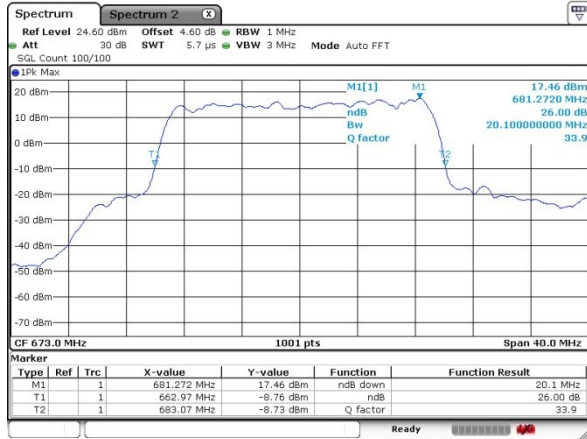


Date: 9 DEC 2019 14:01:48



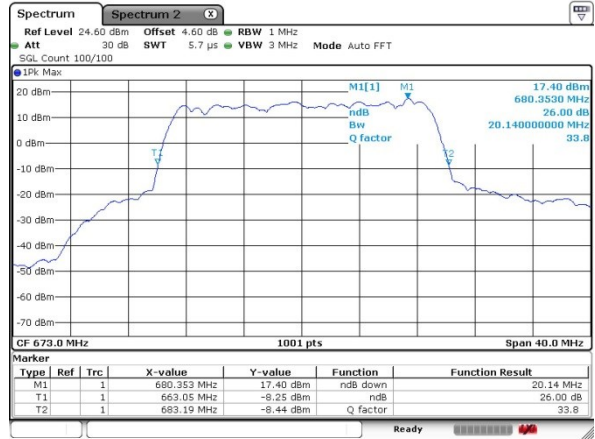
LTE Band 71

Lowest Channel / 20MHz / QPSK



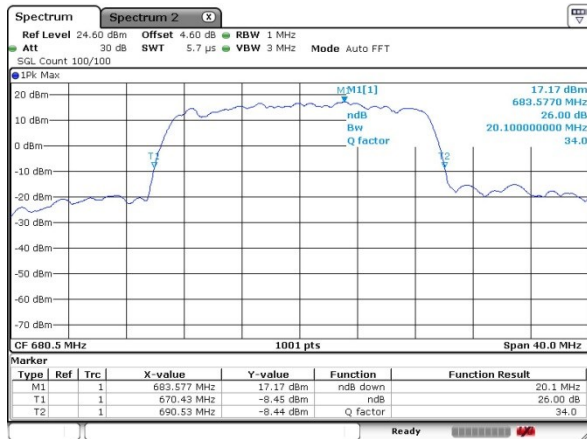
Date: 9 DEC 2019 13:57:24

Lowest Channel / 20MHz / 16QAM



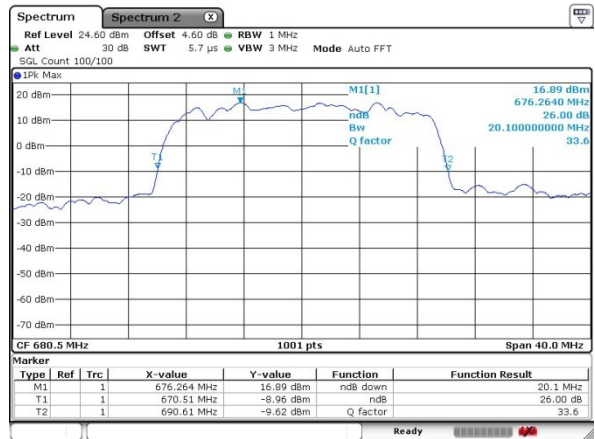
Date: 9 DEC 2019 13:56:24

Middle Channel / 20MHz / QPSK



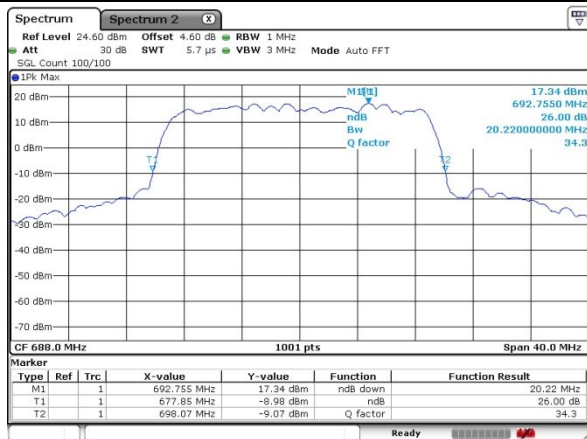
Date: 9 DEC 2019 13:55:03

Middle Channel / 20MHz / 16QAM



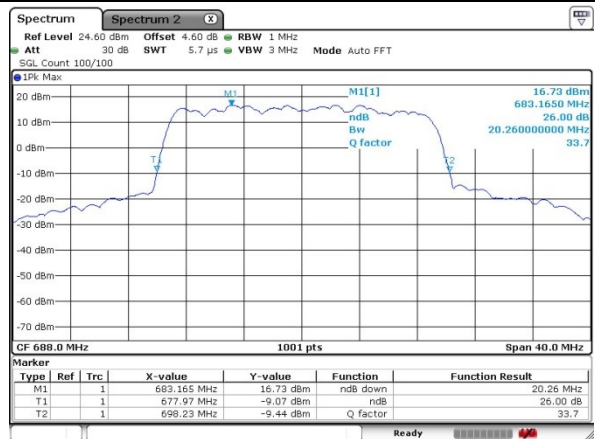
Date: 9 DEC 2019 13:55:52

Highest Channel / 20MHz / QPSK



Date: 9 DEC 2019 13:54:03

Highest Channel / 20MHz / 16QAM



Date: 9 DEC 2019 13:53:47

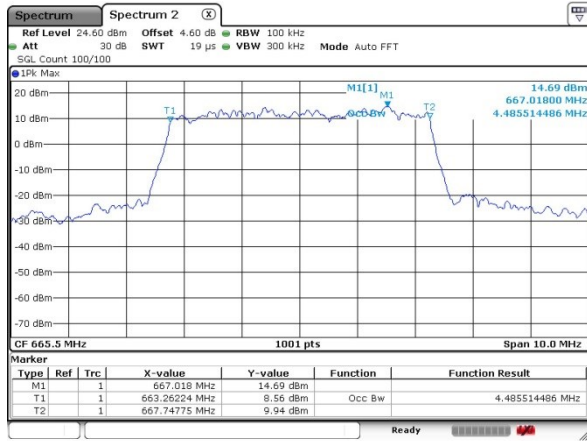
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.49	4.51	8.99	8.97	13.49	13.46	18.26	18.34
Middle CH	4.50	4.50	8.95	8.97	13.34	13.37	18.22	17.94
Highest CH	4.50	4.48	8.99	9.05	13.49	13.52	18.26	18.34



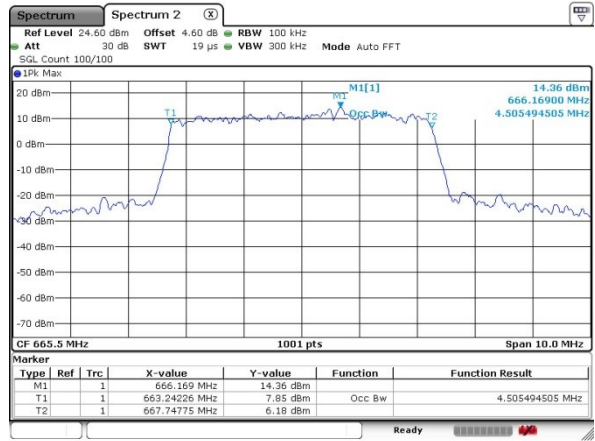
LTE Band 71

Lowest Channel / 5MHz / QPSK



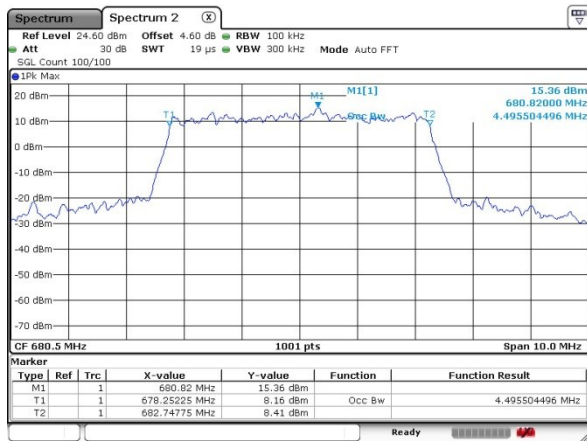
Date: 9 DEC 2019 14:22:56

Lowest Channel / 5MHz / 16QAM



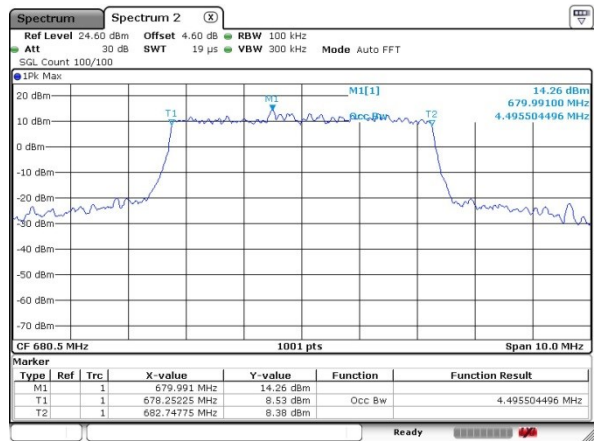
Date: 9 DEC 2019 14:23:15

Middle Channel / 5MHz / QPSK



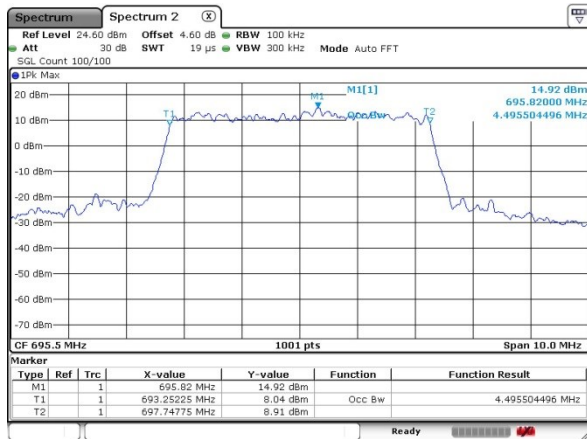
Date: 9 DEC 2019 14:19:29

Middle Channel / 5MHz / 16QAM



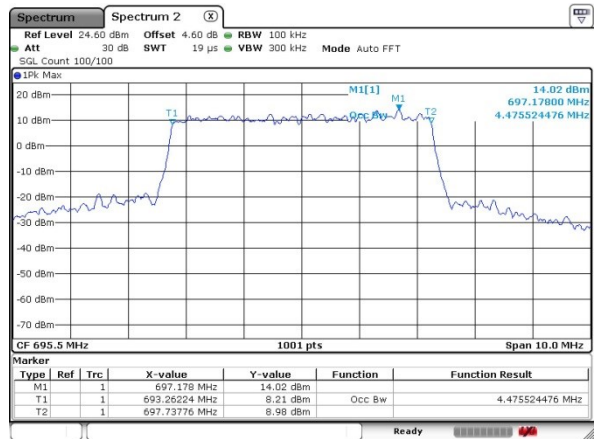
Date: 9 DEC 2019 14:19:50

Highest Channel / 5MHz / QPSK



Date: 9 DEC 2019 14:21:36

Highest Channel / 5MHz / 16QAM

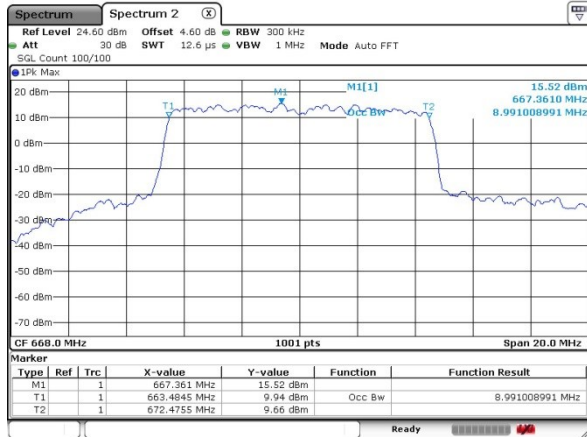


Date: 9 DEC 2019 14:21:11



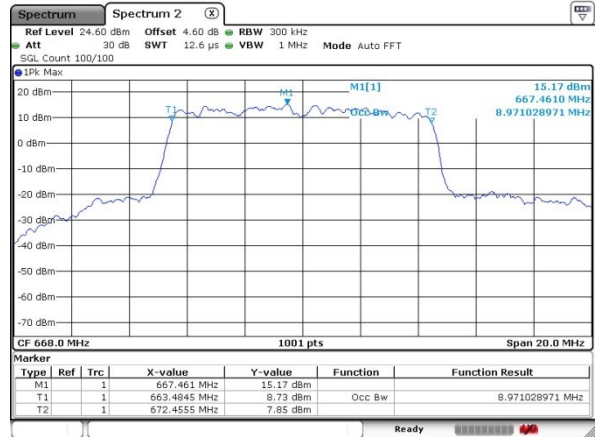
LTE Band 71

Lowest Channel / 10MHz / QPSK



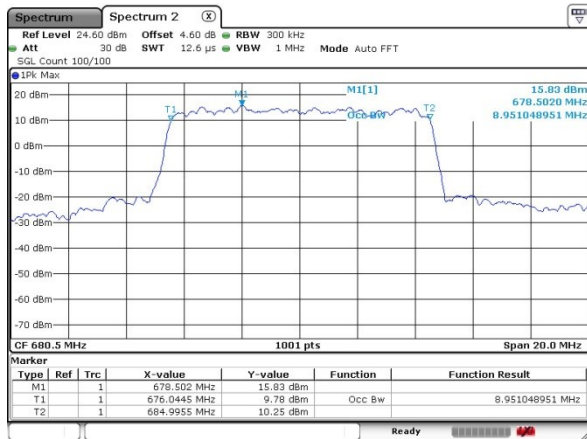
Date: 9 DEC 2019 14:09:43

Lowest Channel / 10MHz / 16QAM



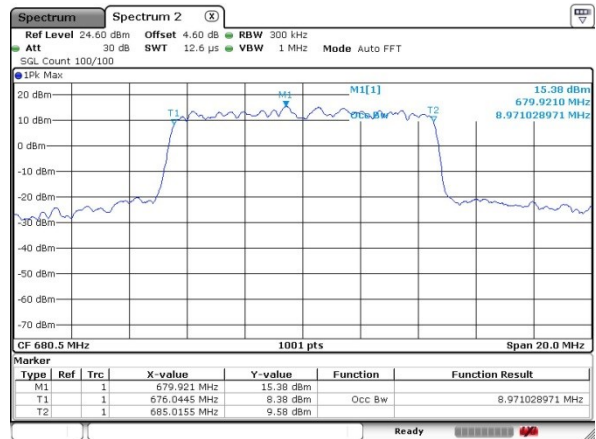
Date: 9 DEC 2019 14:09:27

Middle Channel / 10MHz / QPSK



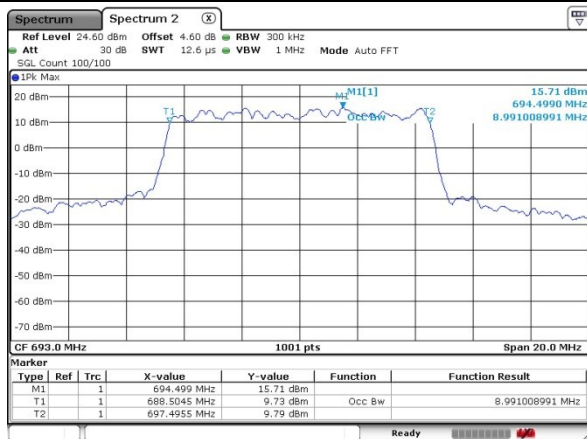
Date: 9 DEC 2019 14:06:28

Middle Channel / 10MHz / 16QAM



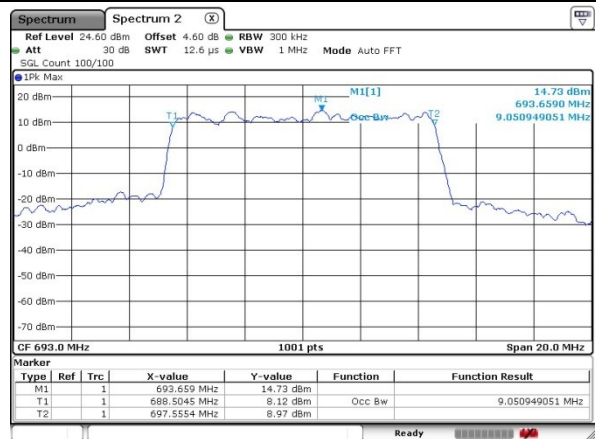
Date: 9 DEC 2019 14:05:26

Highest Channel / 10MHz / QPSK



Date: 9 DEC 2019 14:07:42

Highest Channel / 10MHz / 16QAM

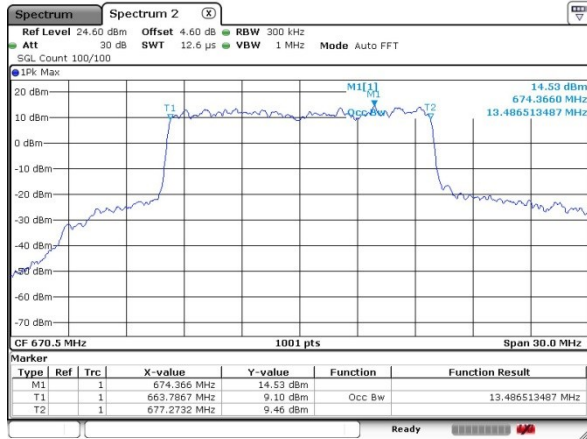


Date: 9 DEC 2019 14:08:08



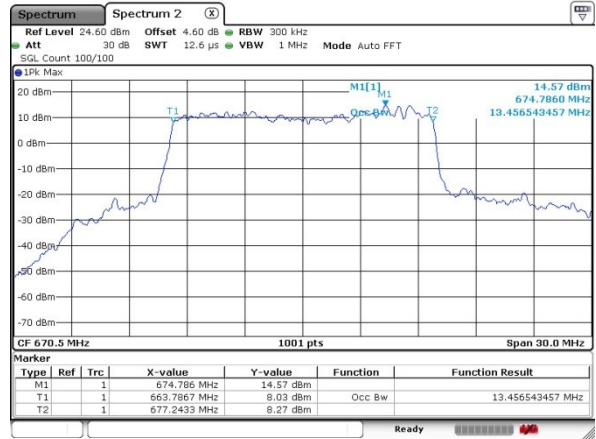
LTE Band 71

Lowest Channel / 15MHz / QPSK



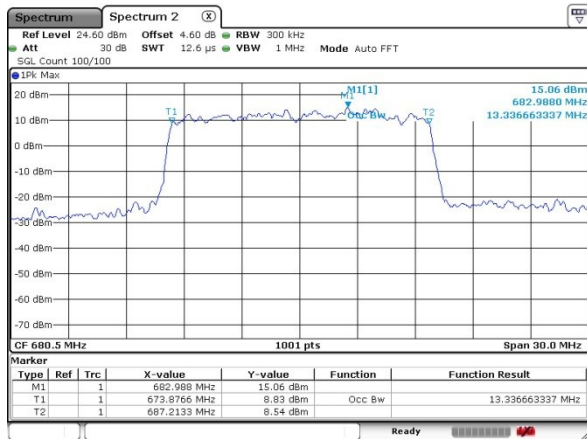
Date: 9 DEC 2019 14:02:53

Lowest Channel / 15MHz / 16QAM



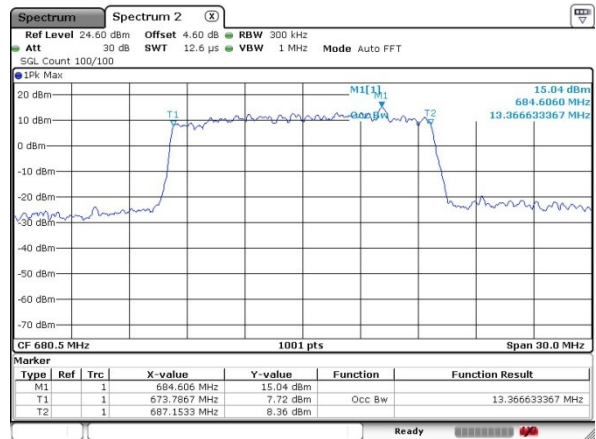
Date: 9 DEC 2019 14:03:40

Middle Channel / 15MHz / QPSK



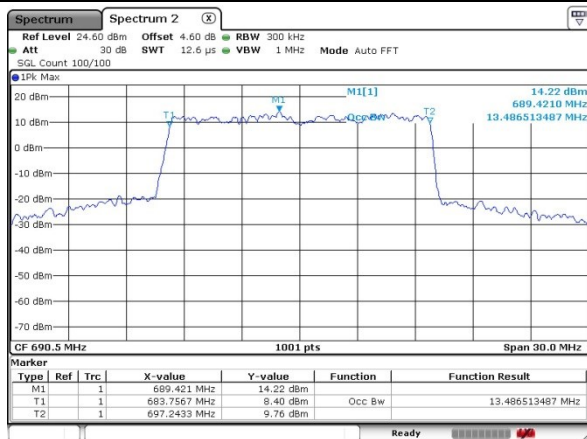
Date: 9 DEC 2019 13:59:47

Middle Channel / 15MHz / 16QAM



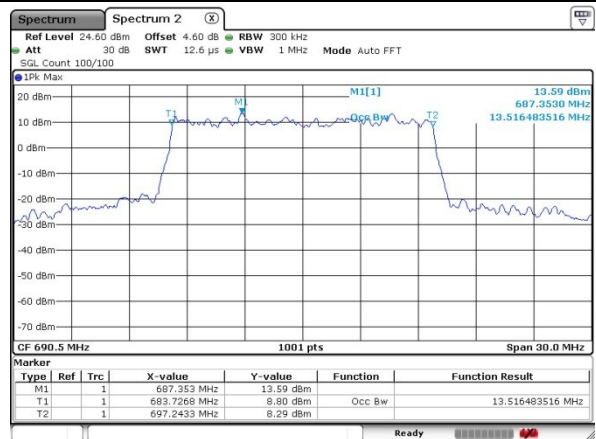
Date: 9 DEC 2019 14:00:53

Highest Channel / 15MHz / QPSK



Date: 9 DEC 2019 14:02:27

Highest Channel / 15MHz / 16QAM

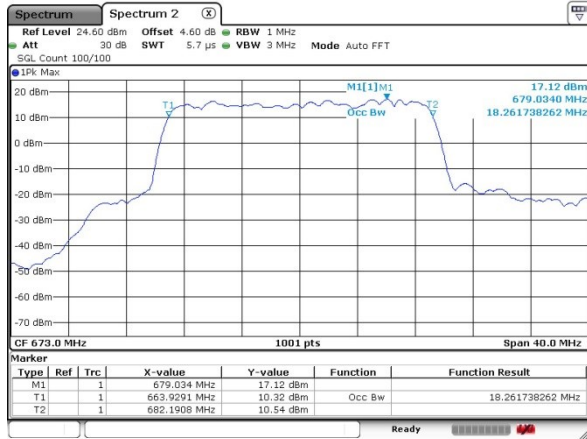


Date: 9 DEC 2019 14:01:24



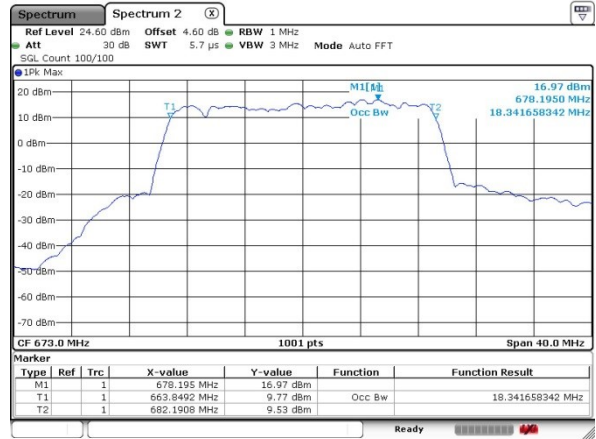
LTE Band 71

Lowest Channel / 20MHz / QPSK



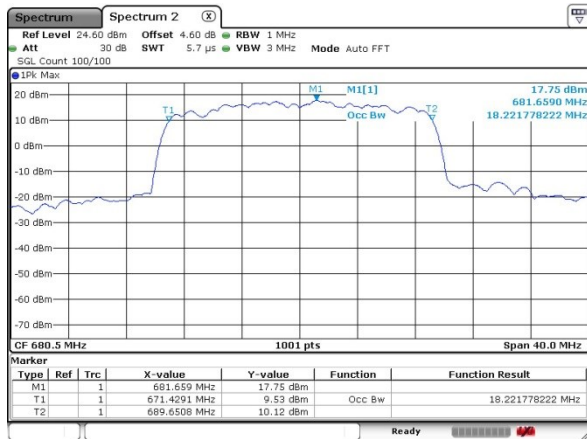
Date: 9 DEC 2019 13:57:08

Lowest Channel / 20MHz / 16QAM



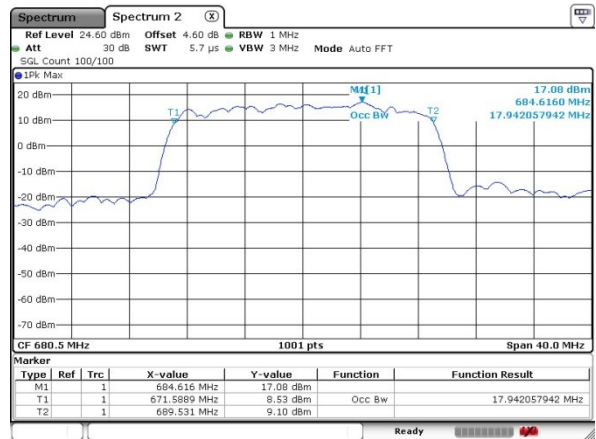
Date: 9 DEC 2019 13:56:49

Middle Channel / 20MHz / QPSK



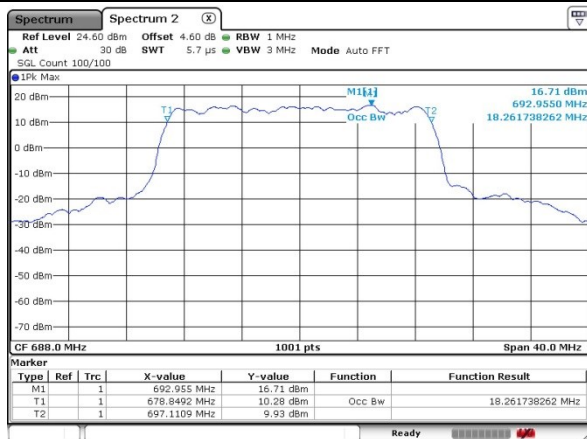
Date: 9 DEC 2019 13:55:19

Middle Channel / 20MHz / 16QAM



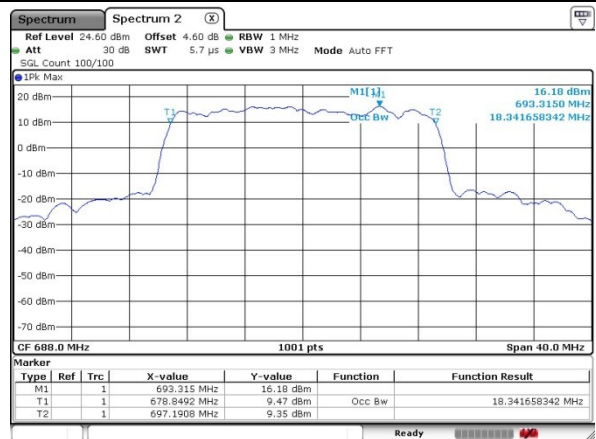
Date: 9 DEC 2019 13:55:39

Highest Channel / 20MHz / QPSK



Date: 9 DEC 2019 13:54:19

Highest Channel / 20MHz / 16QAM



Date: 9 DEC 2019 13:53:33