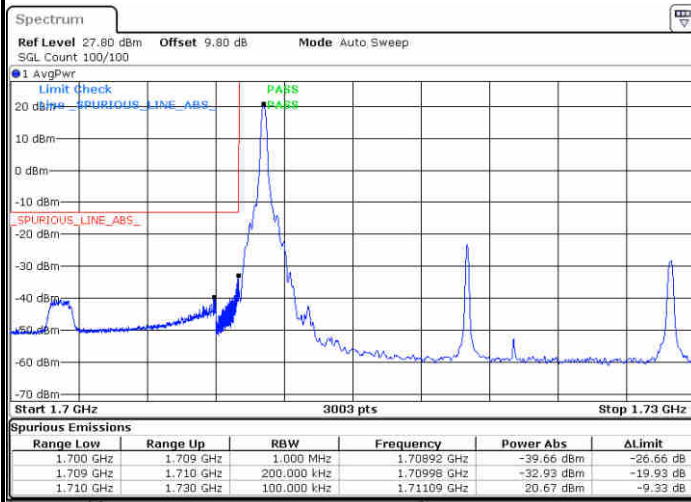


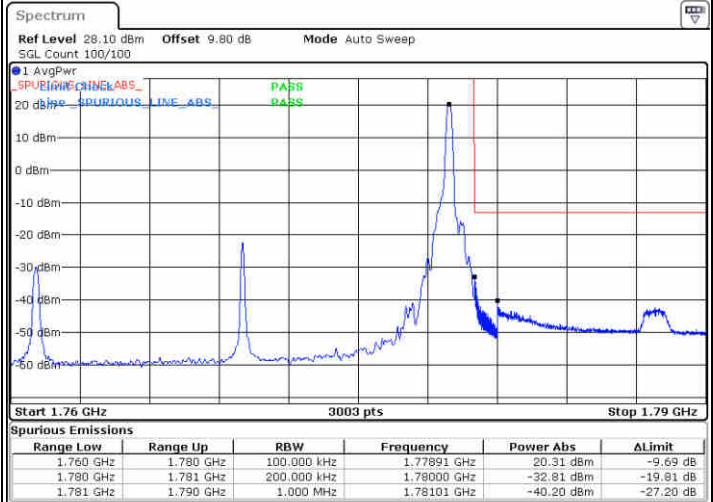


LTE Band 66 / 20MHz / 64QAM

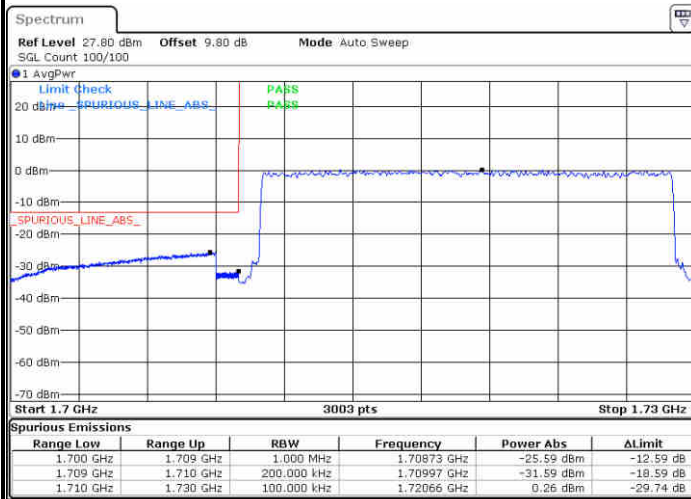
Lowest Band Edge / 1 RB



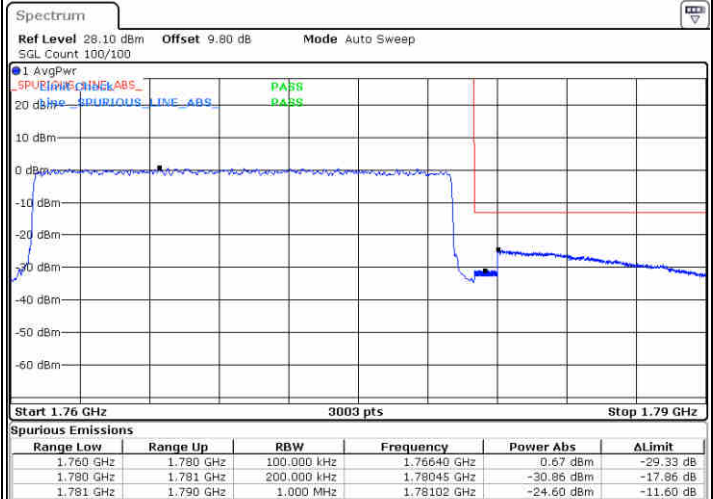
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

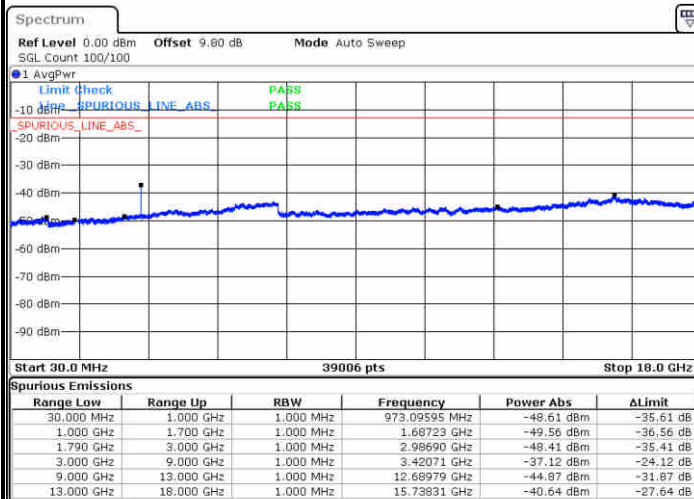




Conducted Spurious Emission

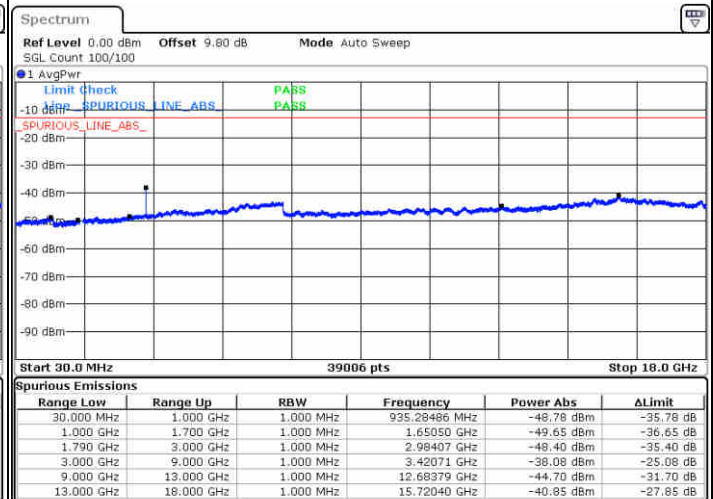
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



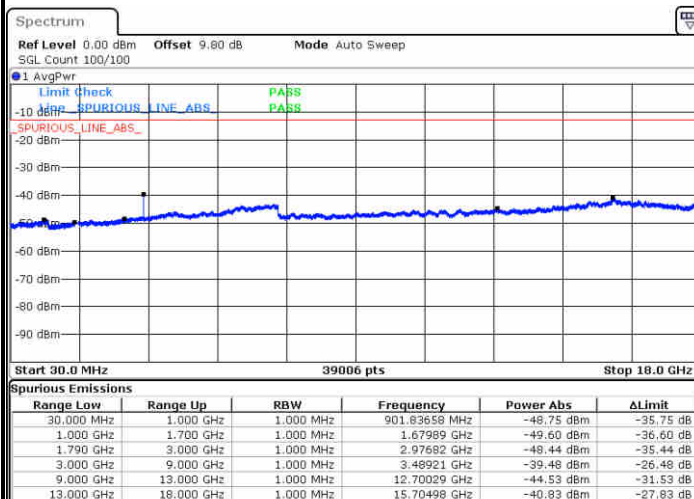
Date: 30.OCT.2019 : 20:15:18

Lowest Channel / 16QAM



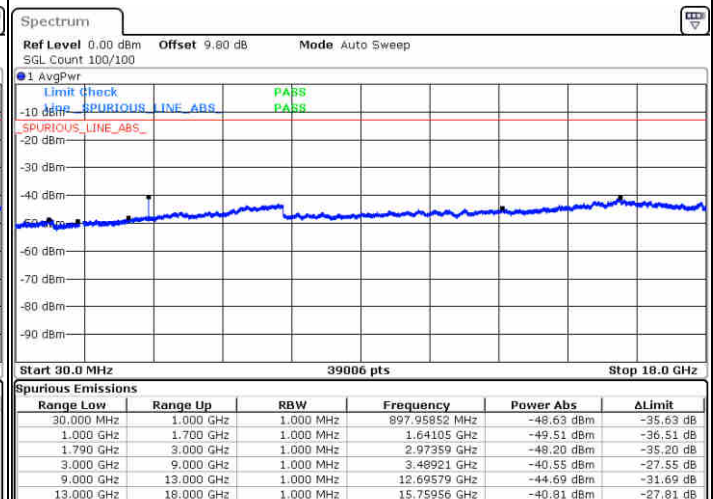
Date: 30.OCT.2019 : 20:35:44

Middle Channel / QPSK



Date: 30.OCT.2019 : 20:13:17

Middle Channel / 16QAM

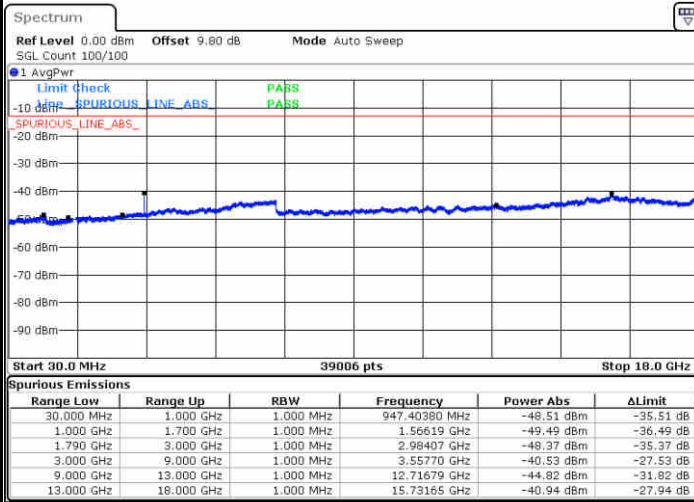


Date: 30.OCT.2019 : 20:12:34



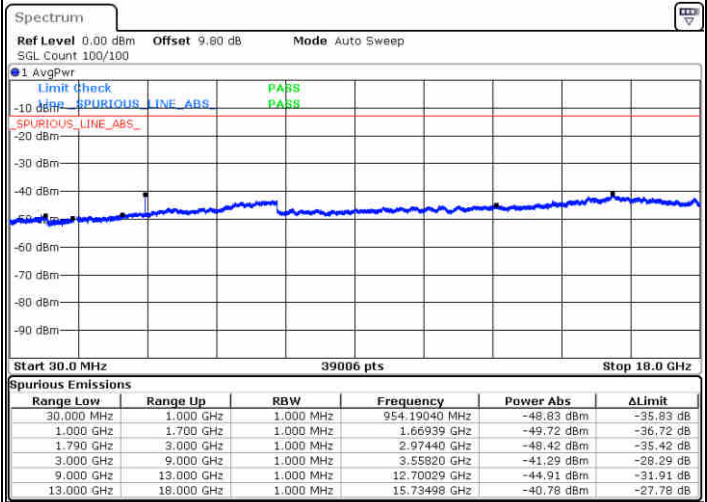
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 30 OCT 2019 20:50:05

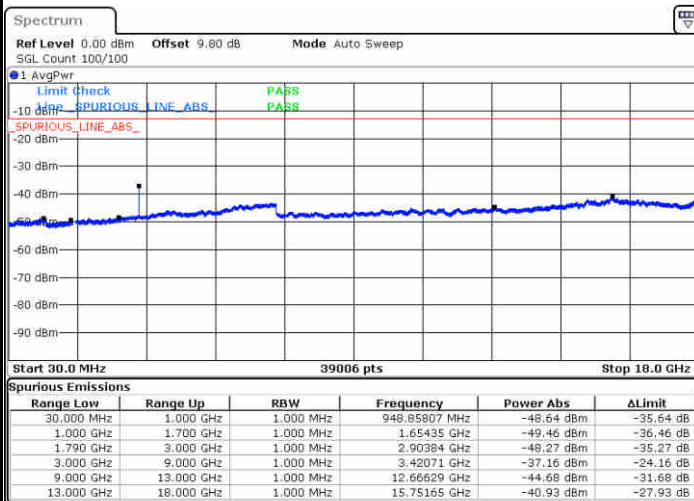
Highest Channel / 16QAM



Date: 30 OCT 2019 20:49:12

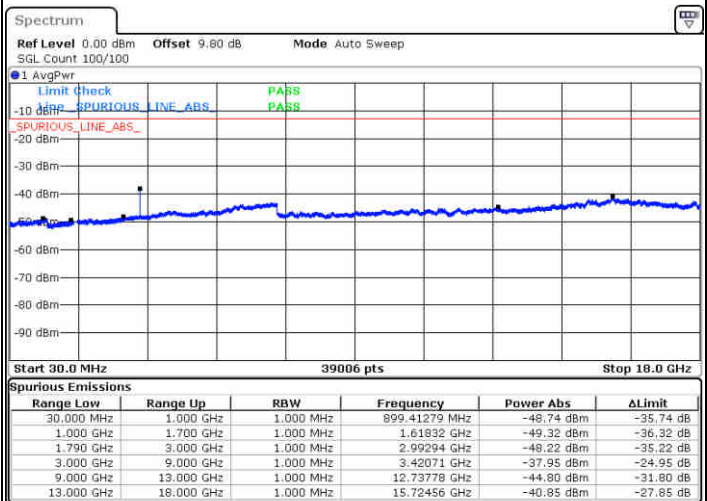
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 30 OCT 2019 19:57:03

Lowest Channel / 16QAM

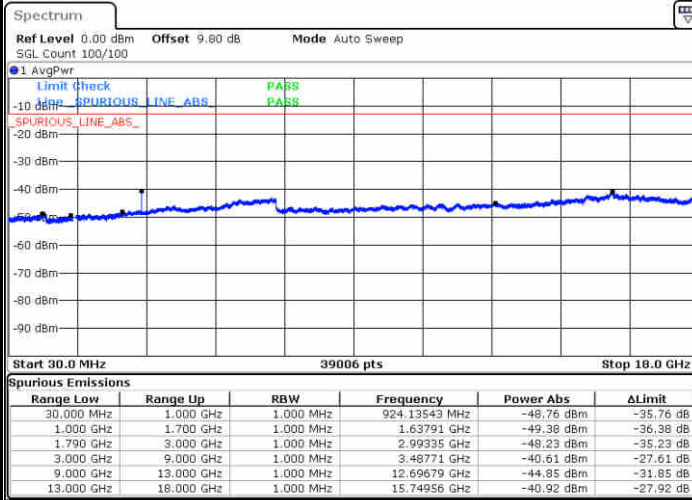


Date: 30 OCT 2019 19:56:20



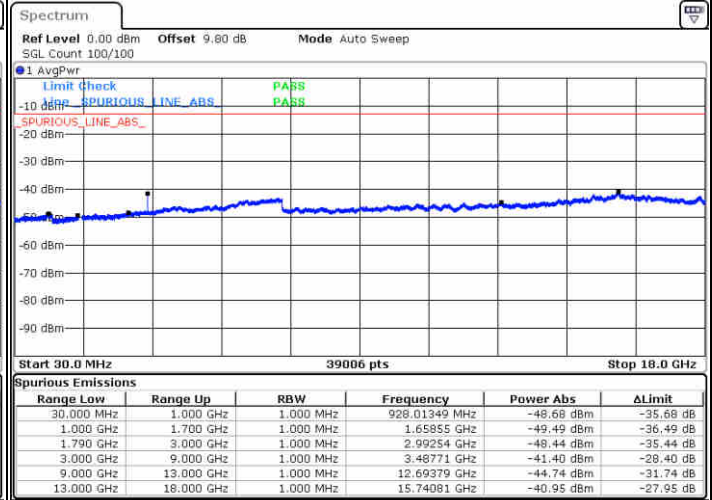
LTE Band 66 / 3MHz

Middle Channel / QPSK



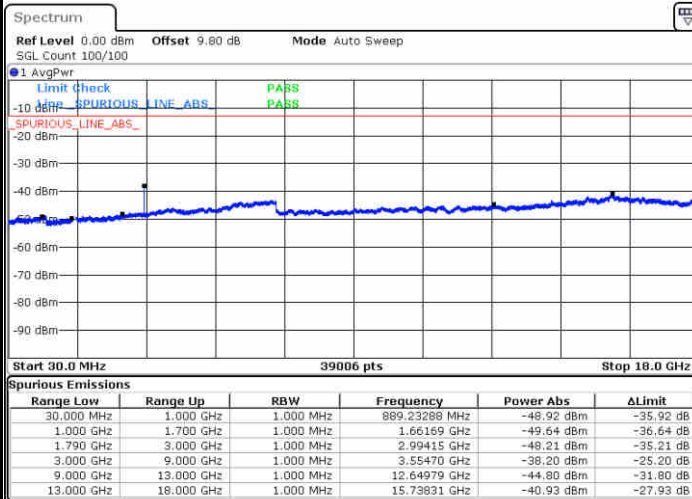
Date: 30.OCT.2019 19:49:51

Middle Channel / 16QAM



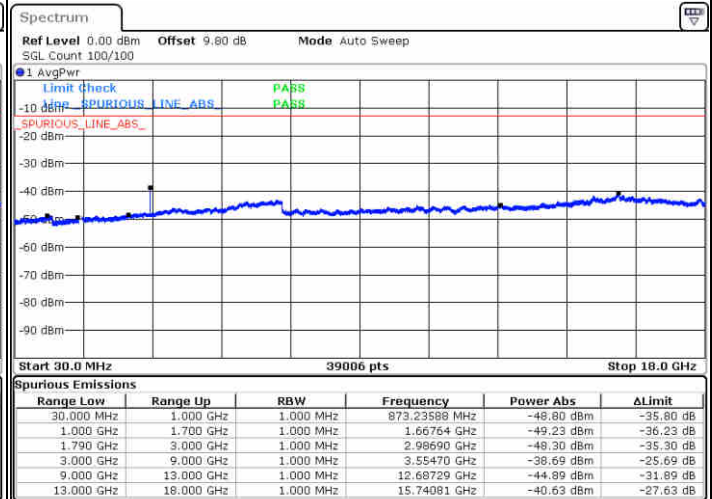
Date: 30.OCT.2019 19:50:33

Highest Channel / QPSK



Date: 30.OCT.2019 20:04:53

Highest Channel / 16QAM

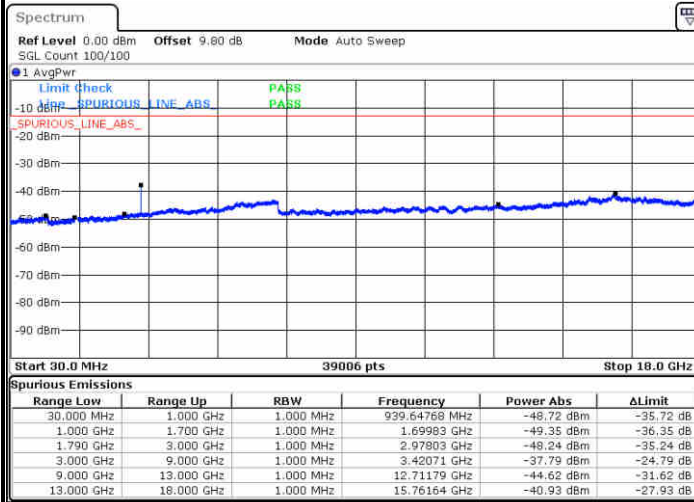


Date: 30.OCT.2019 20:06:01



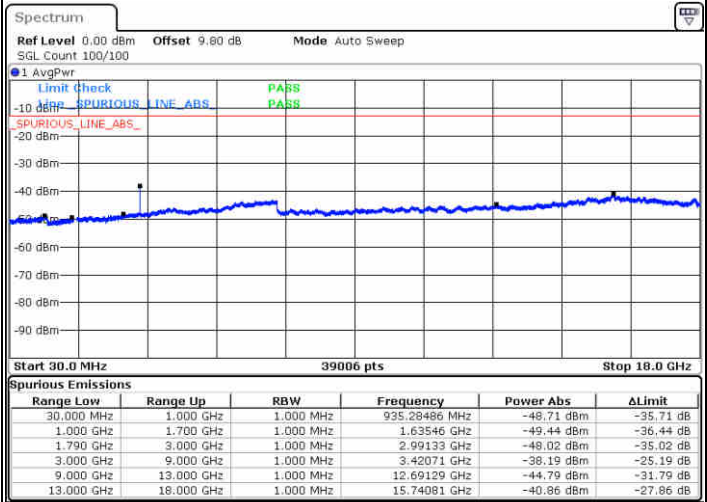
LTE Band 66 / 5MHz

Lowest Channel / QPSK



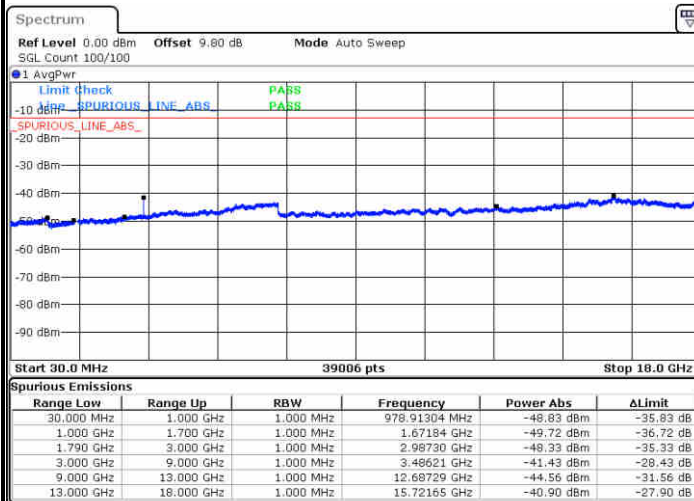
Date: 30.OCT.2019 19:35:46

Lowest Channel / 16QAM



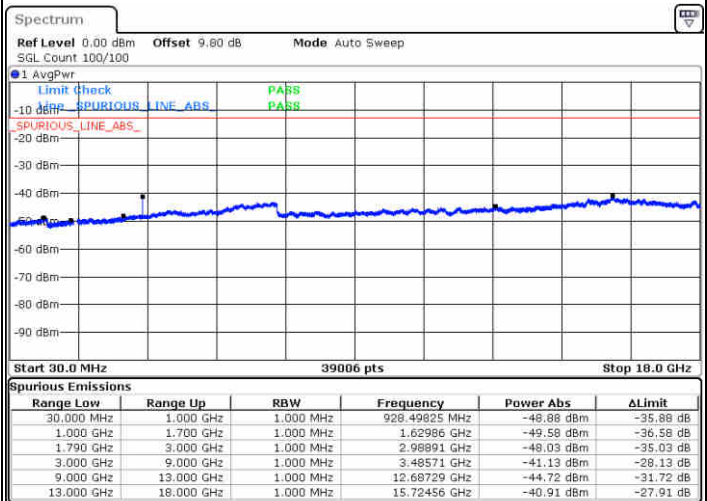
Date: 30.OCT.2019 19:37:04

Middle Channel / QPSK



Date: 30.OCT.2019 19:34:45

Middle Channel / 16QAM

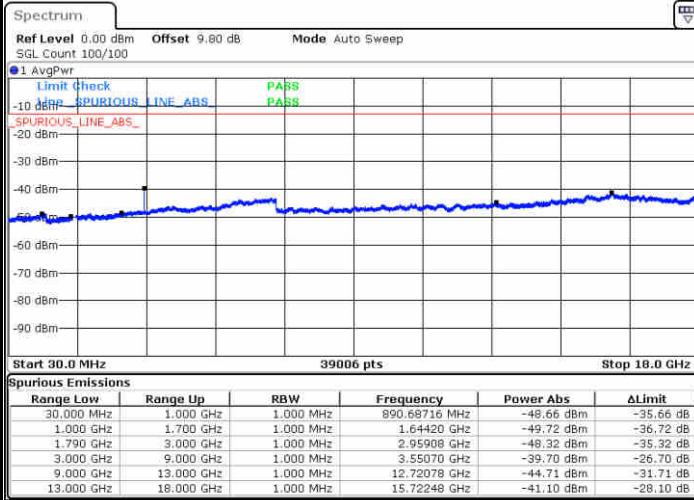


Date: 30.OCT.2019 19:17:59



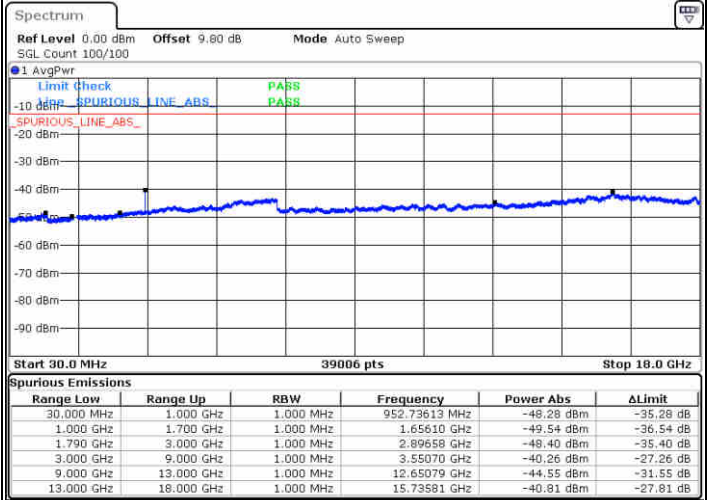
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 30.OCT.2019 19:44:56

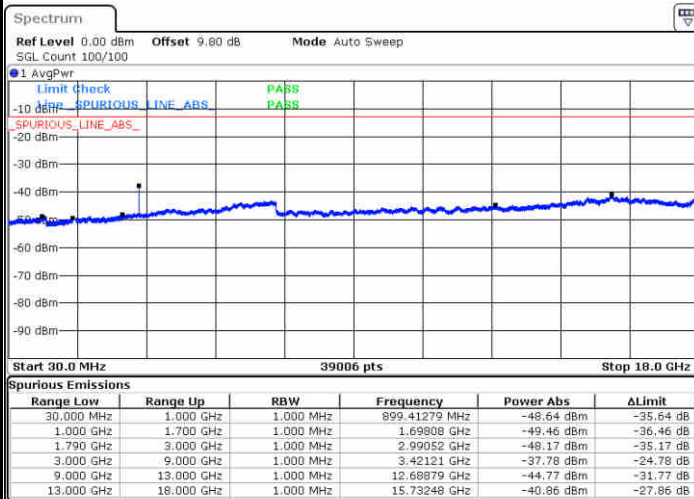
Highest Channel / 16QAM



Date: 30.OCT.2019 19:44:17

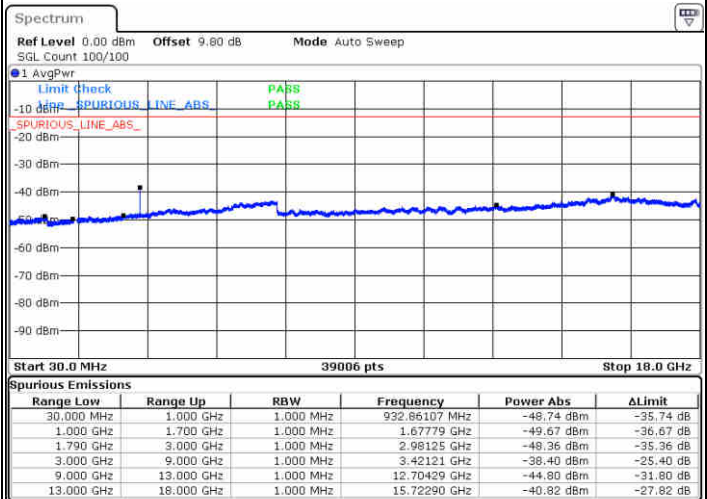
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 29.OCT.2019 00:59:36

Lowest Channel / 16QAM

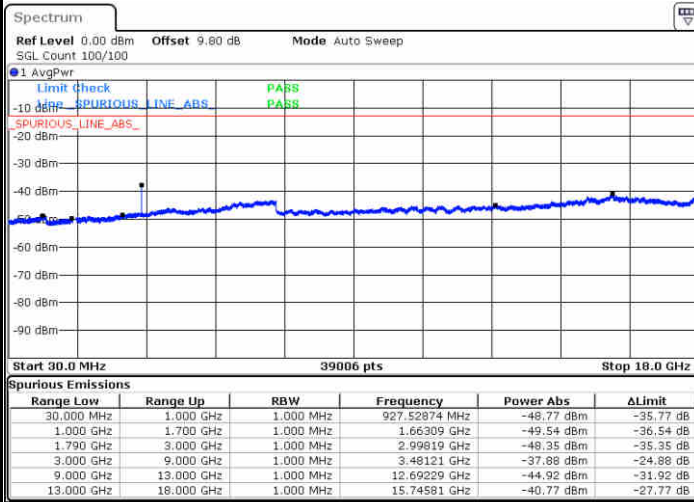


Date: 29.OCT.2019 01:00:56



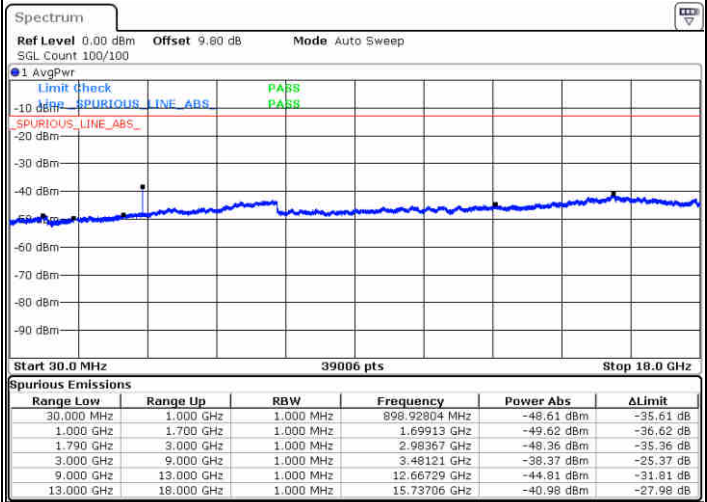
LTE Band 66 / 10MHz

Middle Channel / QPSK



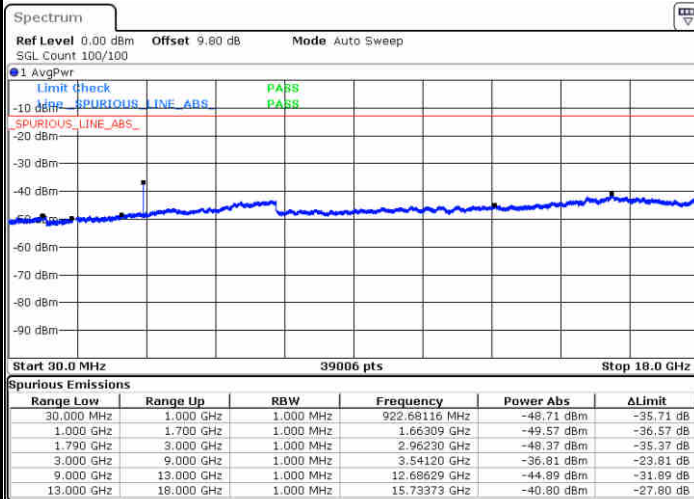
Date: 29 OCT 2019 00:58:11

Middle Channel / 16QAM



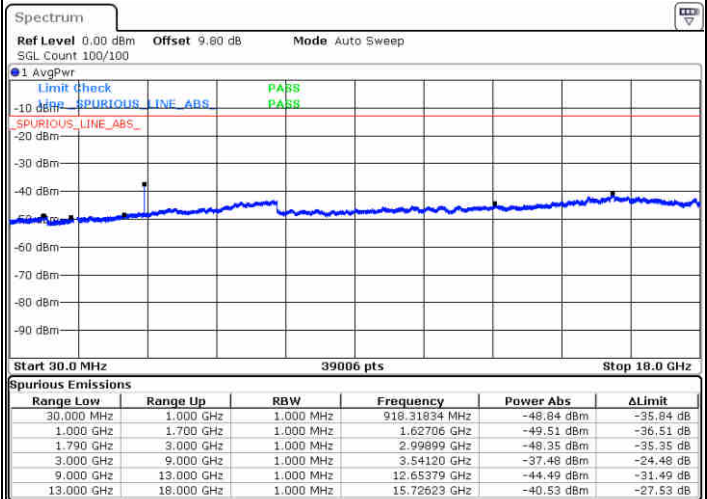
Date: 29 OCT 2019 00:57:20

Highest Channel / QPSK



Date: 29 OCT 2019 01:32:43

Highest Channel / 16QAM

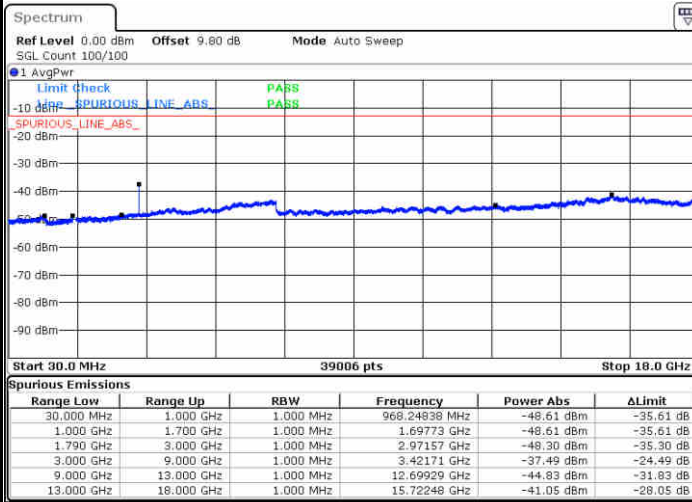


Date: 29 OCT 2019 01:32:01



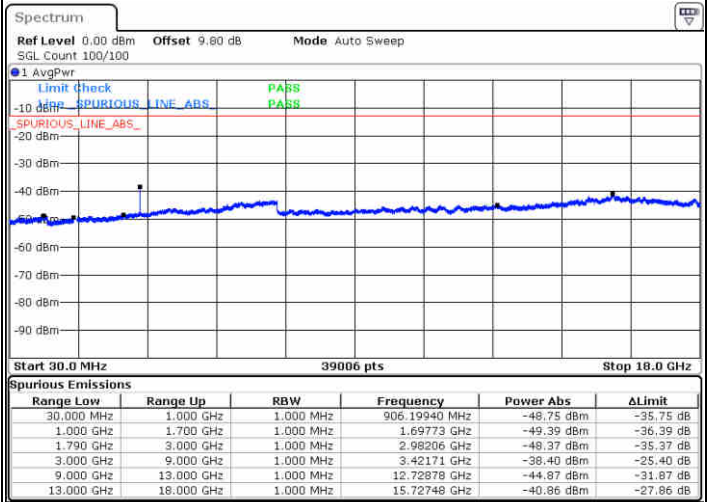
LTE Band 66 / 15MHz

Lowest Channel / QPSK



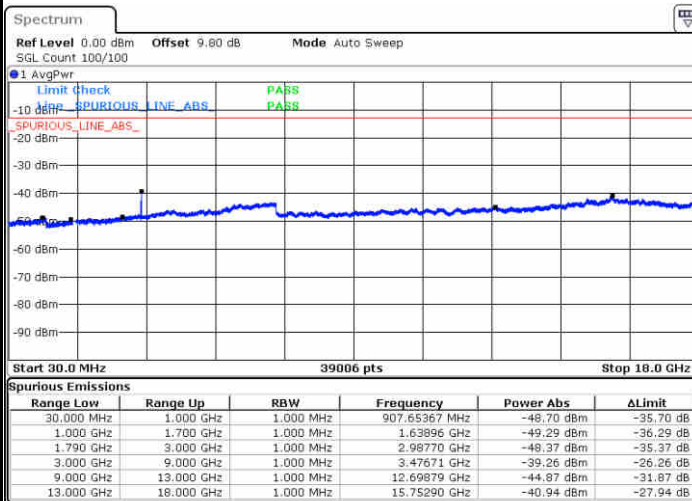
Date: 29.OCT.2019 00:41:59

Lowest Channel / 16QAM



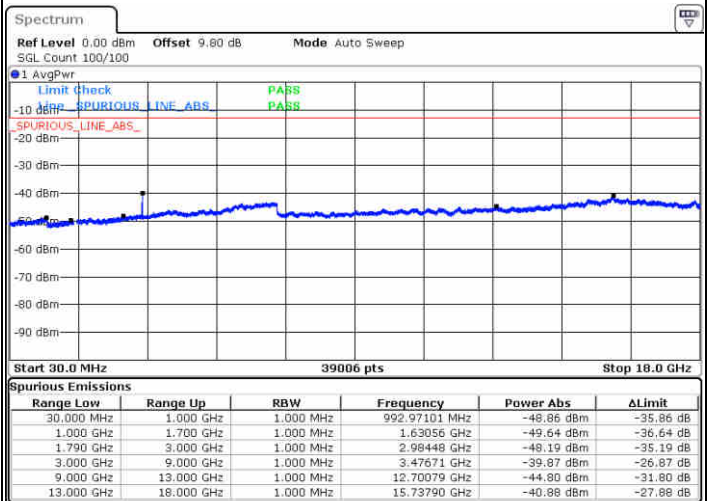
Date: 29.OCT.2019 00:40:56

Middle Channel / QPSK



Date: 29.OCT.2019 00:31:33

Middle Channel / 16QAM

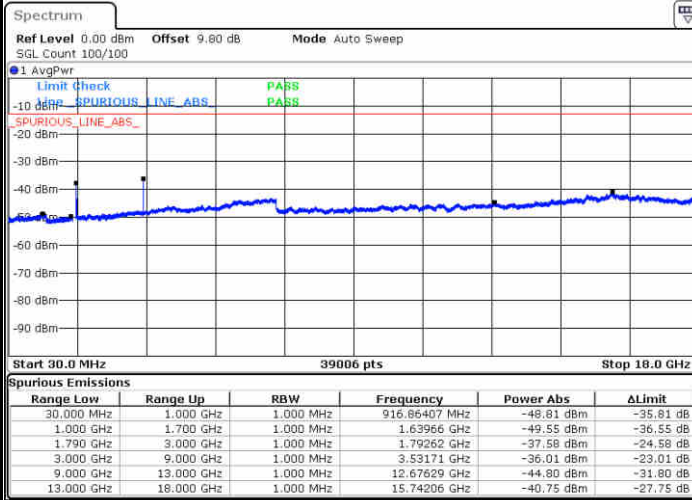


Date: 29.OCT.2019 00:32:41



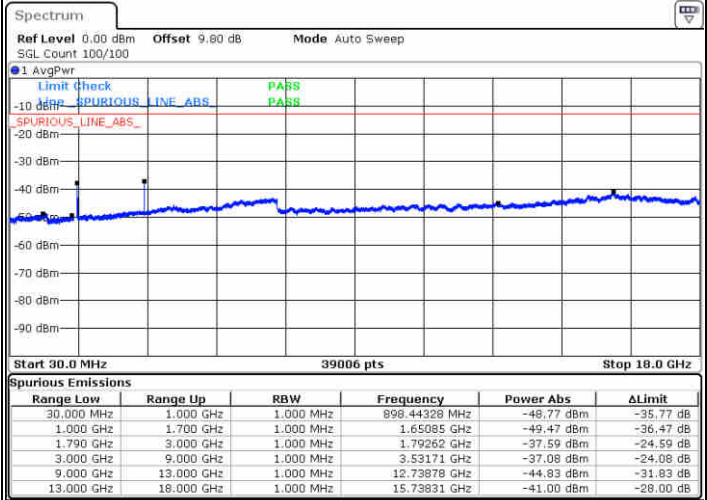
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 29 OCT 2019 00:48:37

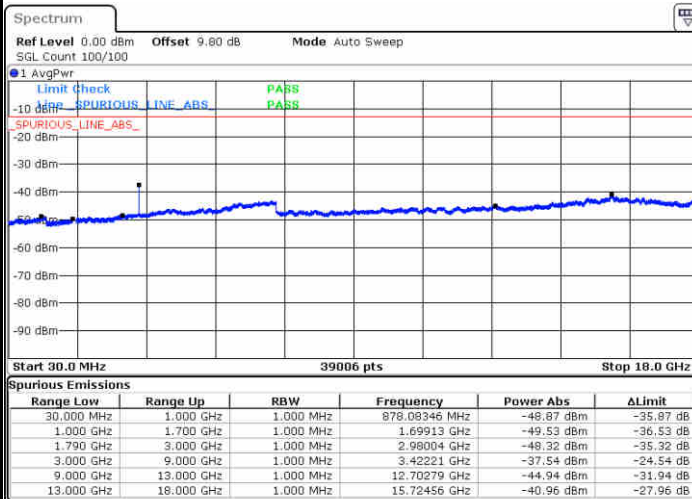
Highest Channel / 16QAM



Date: 29 OCT 2019 00:49:20

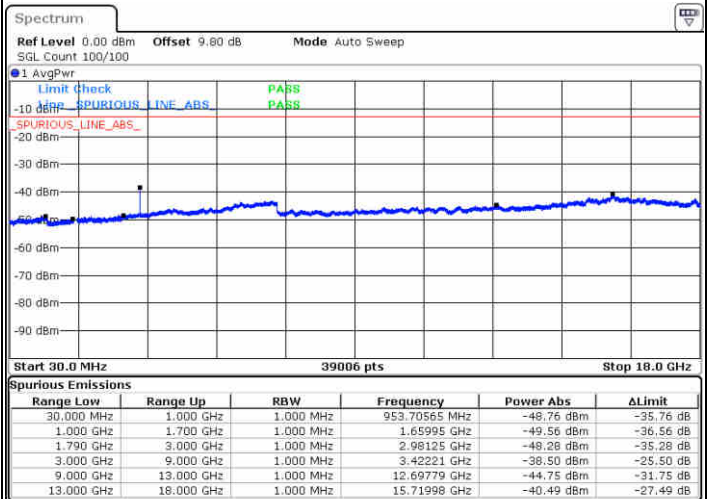
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 28 OCT 2019 23:56:11

Lowest Channel / 16QAM

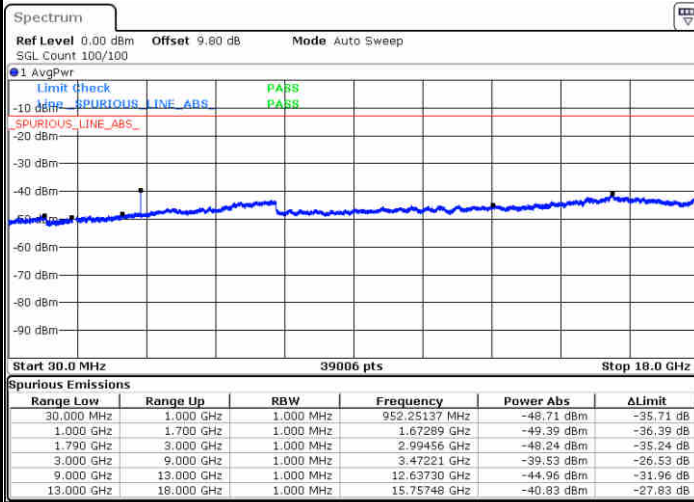


Date: 28 OCT 2019 23:53:52



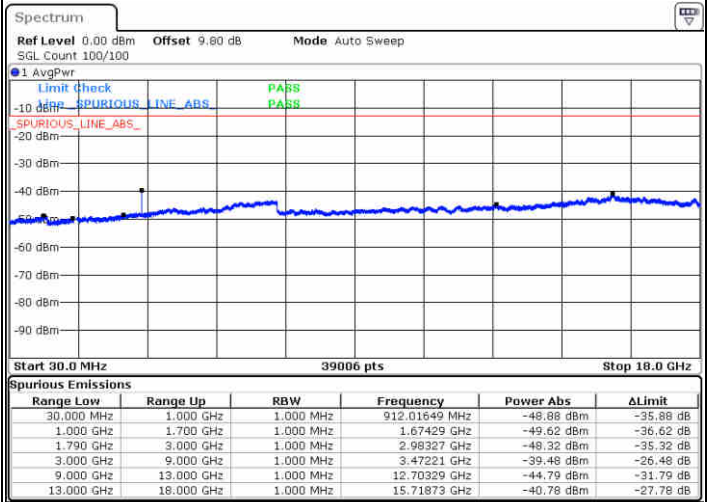
LTE Band 66 / 20MHz

Middle Channel / QPSK



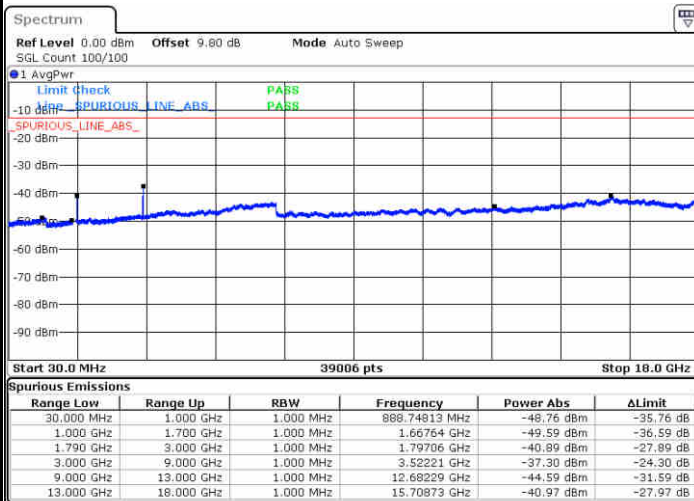
Date: 28 OCT 2019 23:59:50

Middle Channel / 16QAM



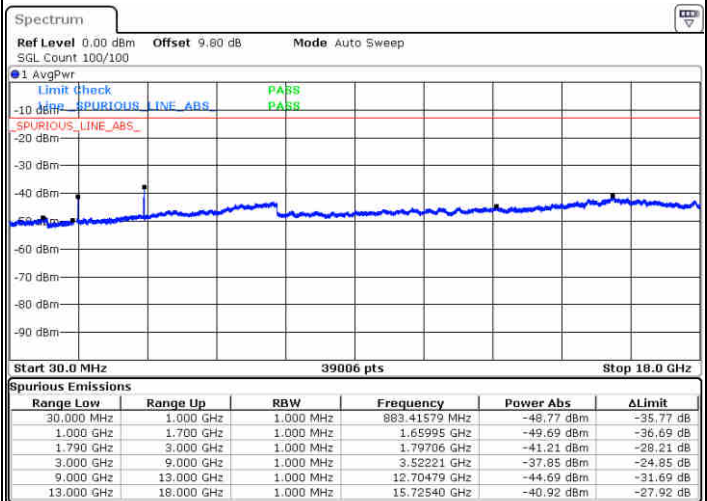
Date: 28 OCT 2019 23:59:02

Highest Channel / QPSK



Date: 28 OCT 2019 23:44:43

Highest Channel / 16QAM

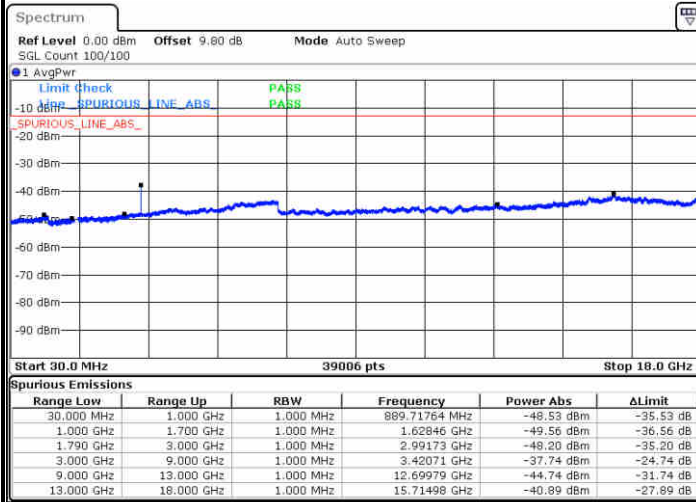


Date: 28 OCT 2019 23:43:34



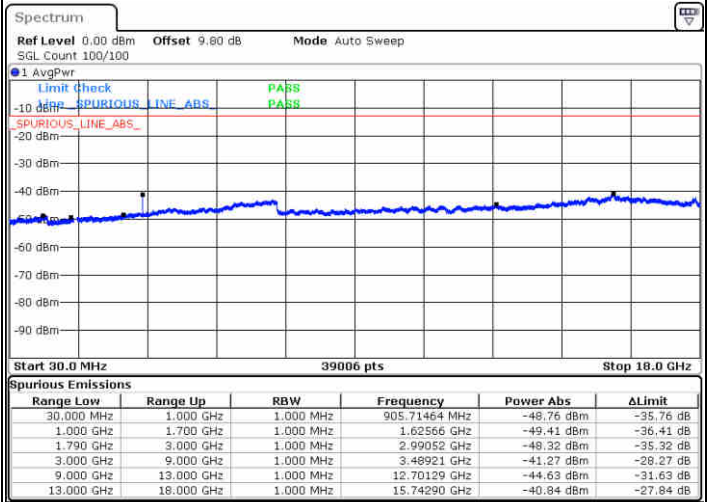
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



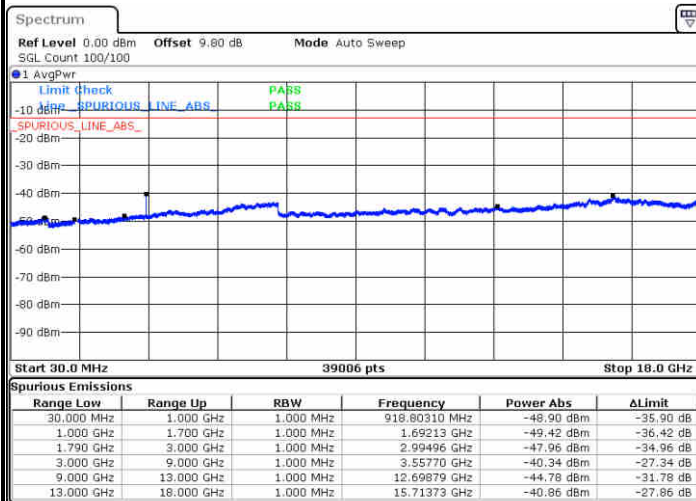
Date: 30.OCT.2019 : 20:36:38

Middle Channel / 64QAM



Date: 30.OCT.2019 : 20:11:57

Highest Channel / 64QAM

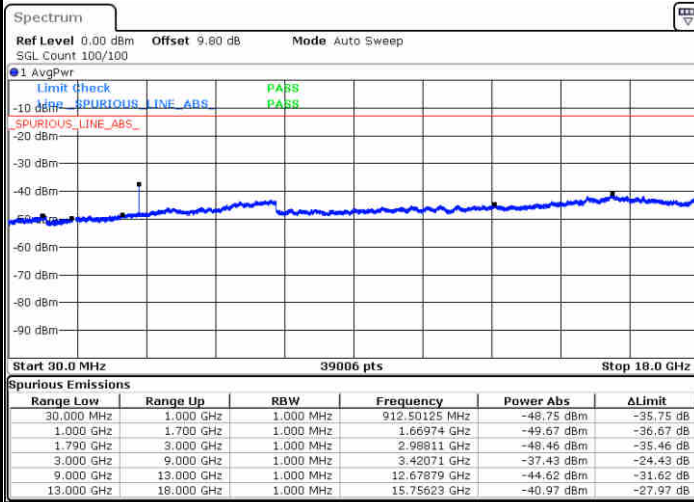


Date: 30.OCT.2019 : 20:48:28



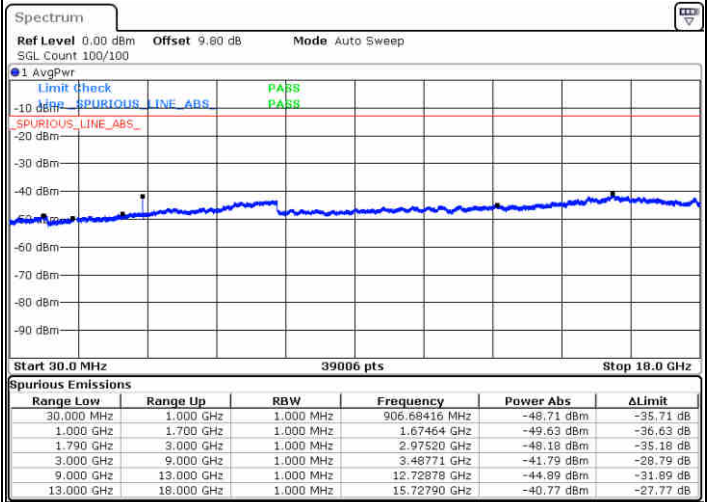
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



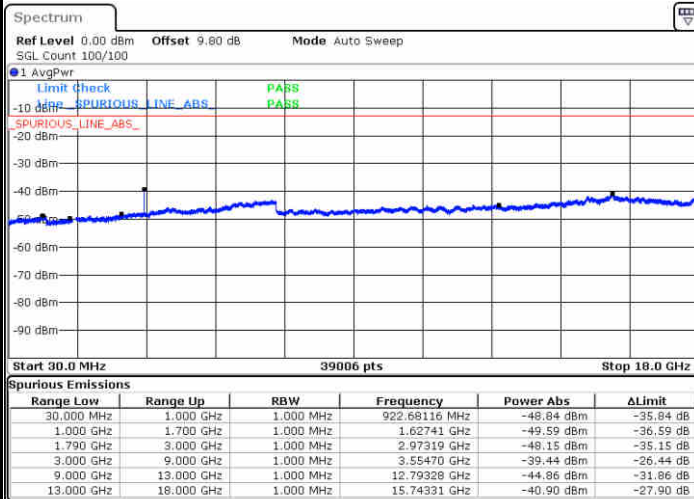
Date: 30.OCT.2019 19:53:33

Middle Channel / 64QAM



Date: 30.OCT.2019 19:51:16

Highest Channel / 64QAM

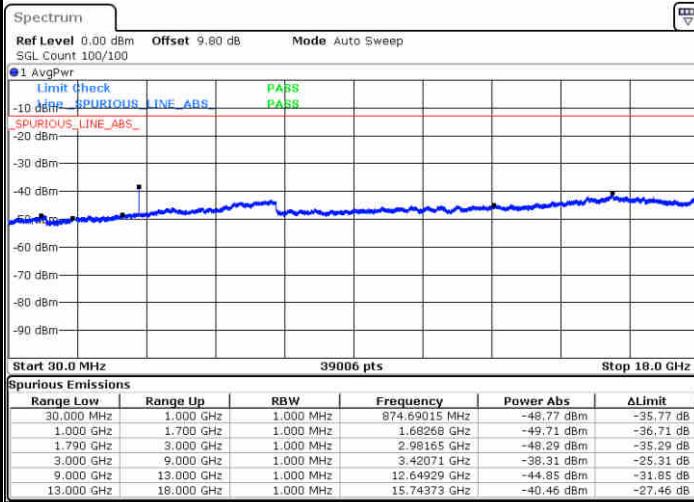


Date: 30.OCT.2019 20:06:48



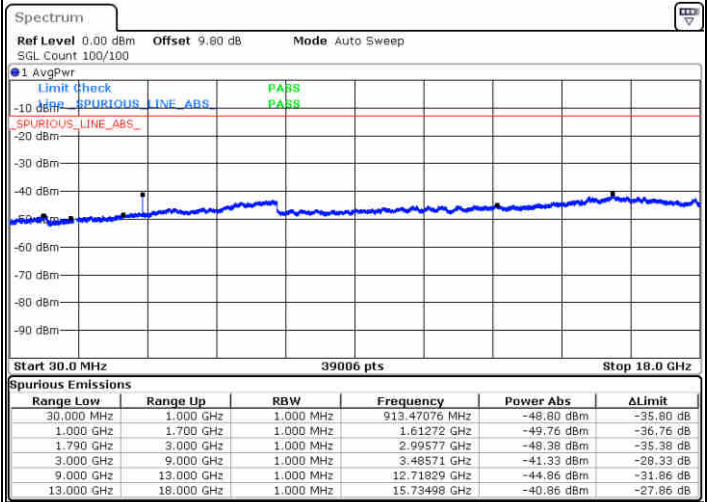
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



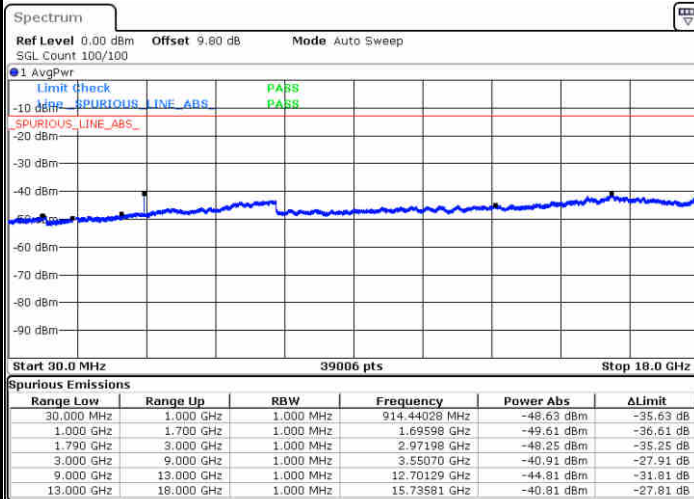
Date: 30.OCT.2019 19:37:45

Middle Channel / 64QAM



Date: 30.OCT.2019 19:17:15

Highest Channel / 64QAM

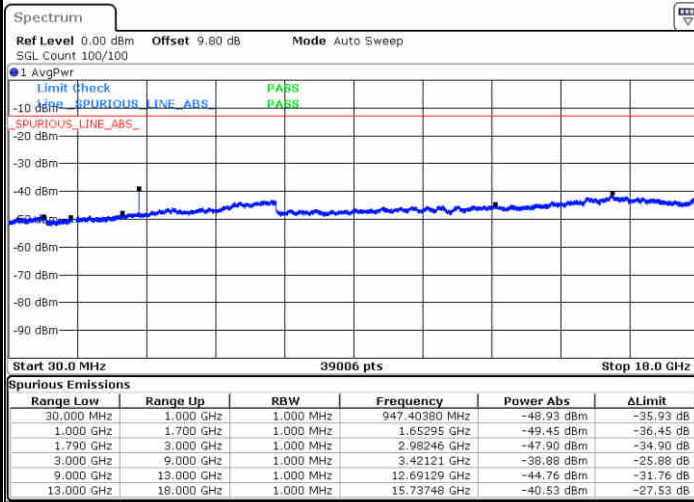


Date: 30.OCT.2019 19:43:38



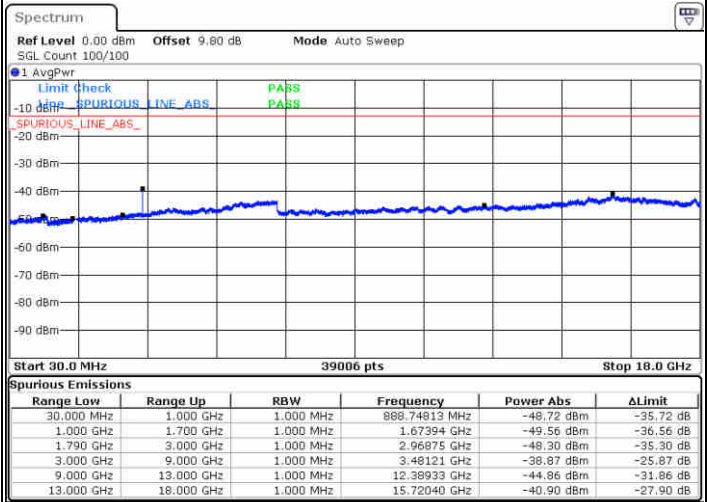
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



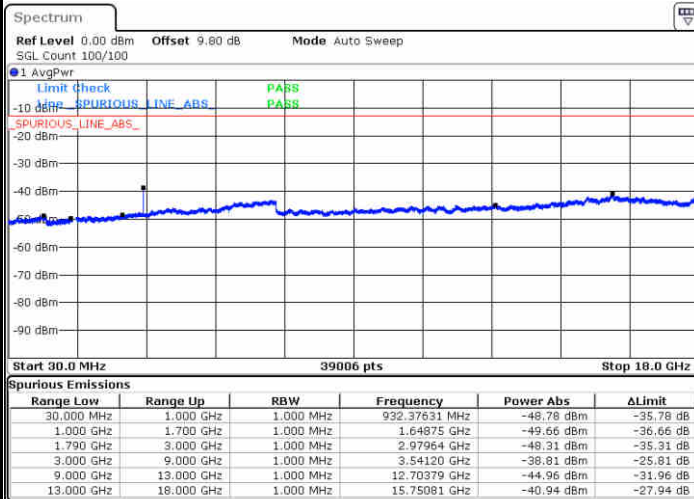
Date: 29 OCT 2019 01:02:23

Middle Channel / 64QAM



Date: 29 OCT 2019 00:56:19

Highest Channel / 64QAM

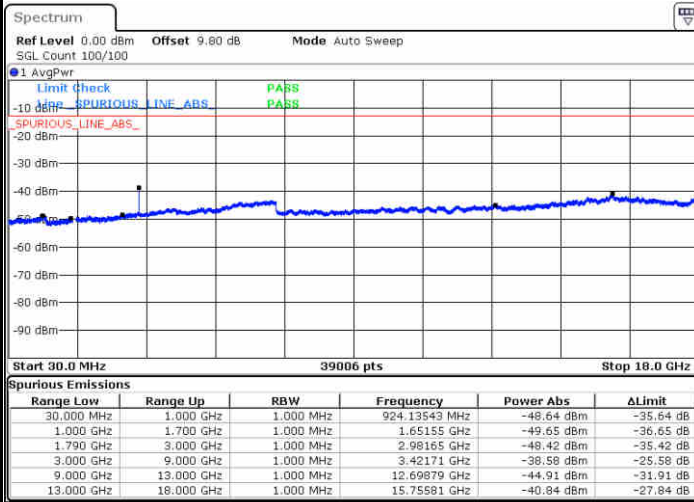


Date: 29 OCT 2019 01:30:59



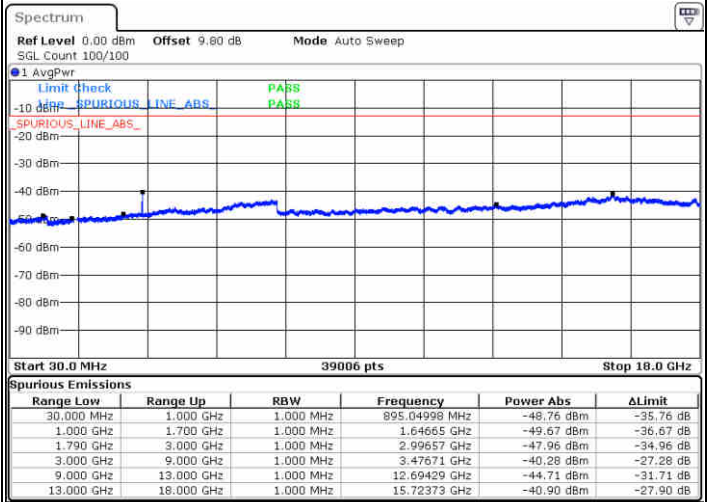
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



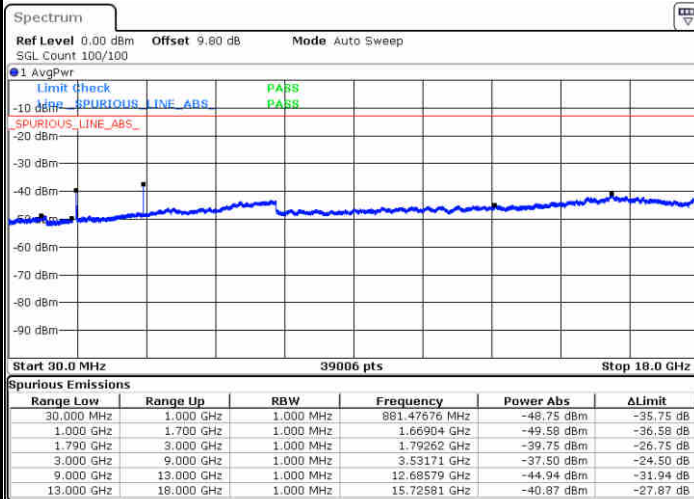
Date: 29 OCT 2019 00:37:26

Middle Channel / 64QAM



Date: 29 OCT 2019 00:33:31

Highest Channel / 64QAM

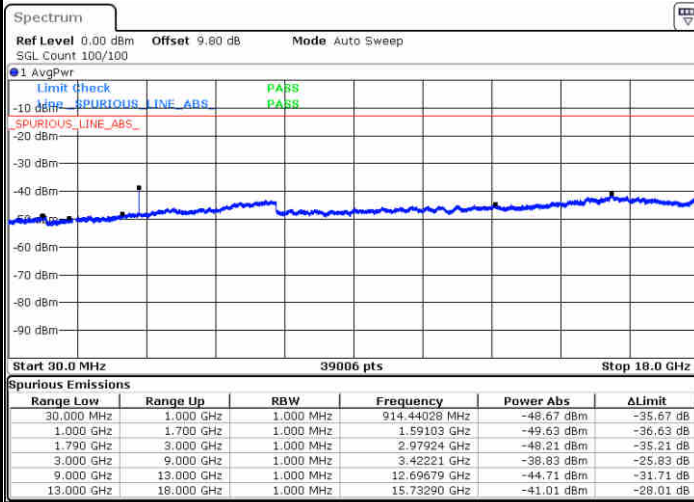


Date: 29 OCT 2019 00:50:09



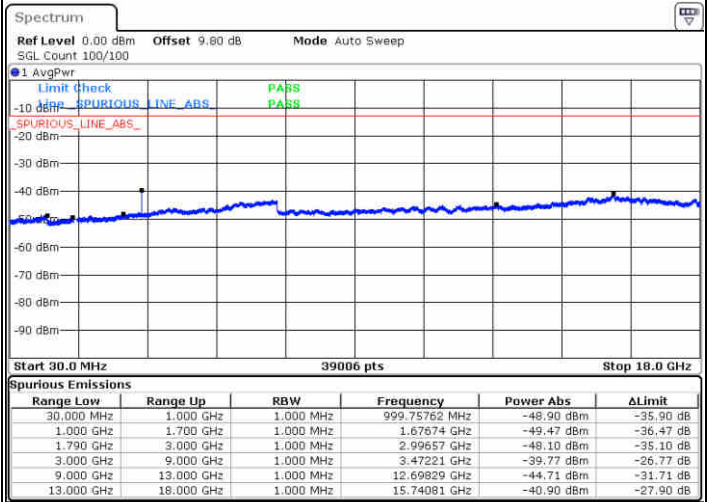
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



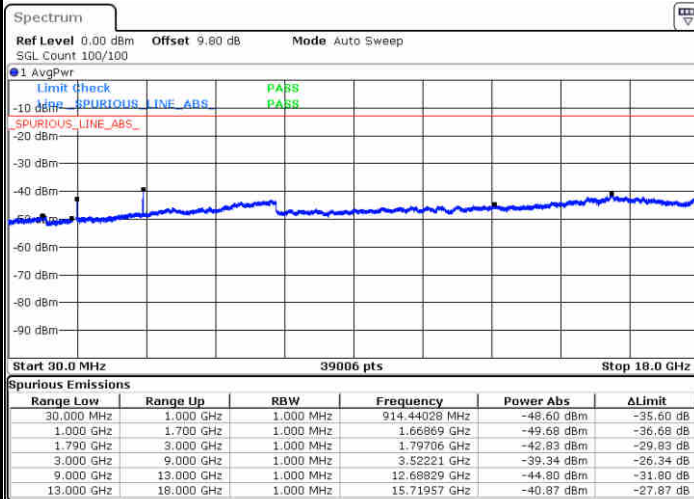
Date: 28 OCT 2019 23:52:33

Middle Channel / 64QAM



Date: 28 OCT 2019 23:57:55

Highest Channel / 64QAM



Date: 28 OCT 2019 23:33:57

**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	0.0022	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.8 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 71

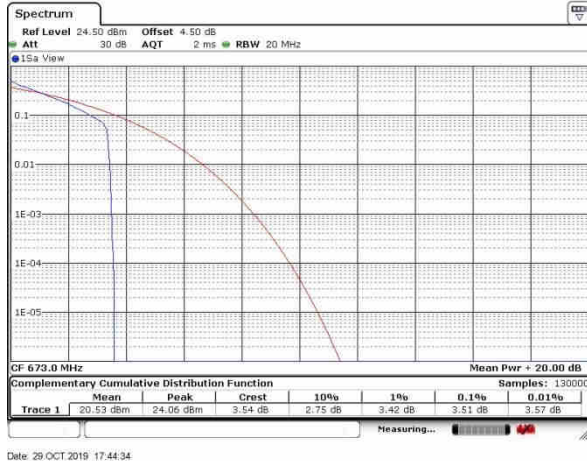
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.43	4.96	5.74	PASS
Middle CH	3.42	4.12	4.81	5.39	
Highest CH	3.42	4.14	4.96	5.36	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.64	6.26	PASS		
Middle CH	5.80	6.03			
Highest CH	6.32	5.97			

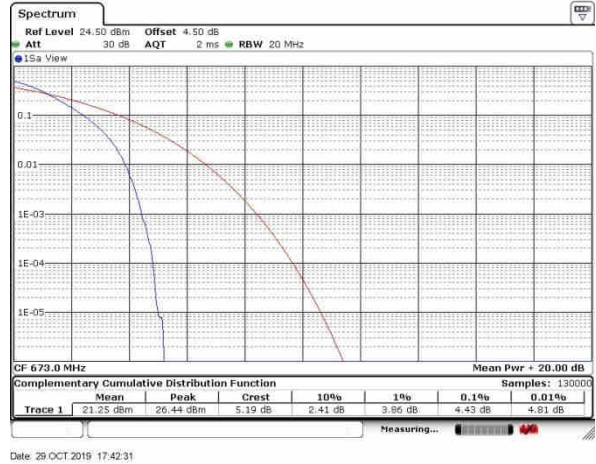


LTE Band 71 / 20MHz / QPSK

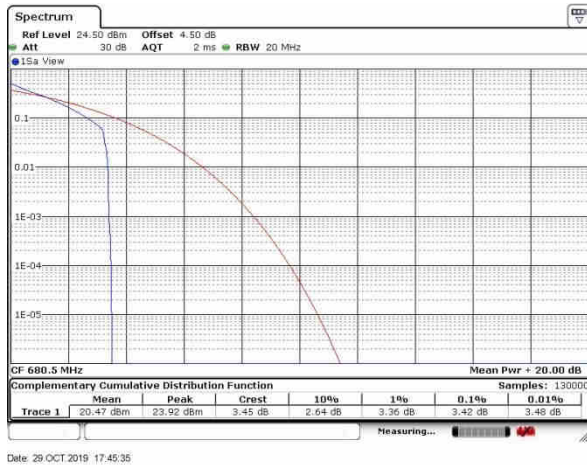
Lowest Channel / 1RB



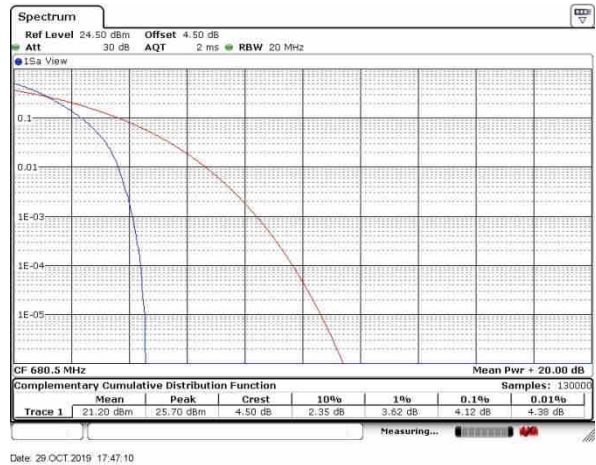
Lowest Channel / Full RB



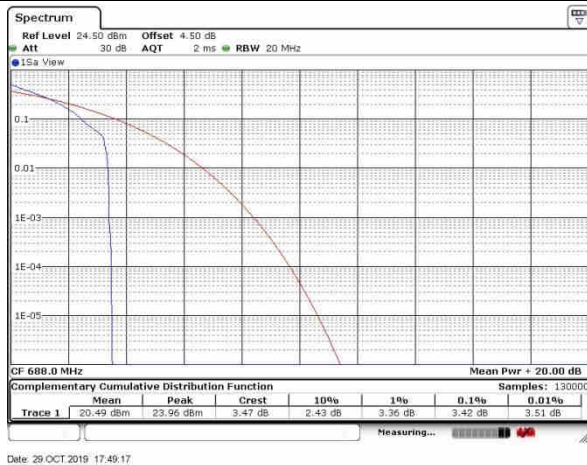
Middle Channel / 1RB



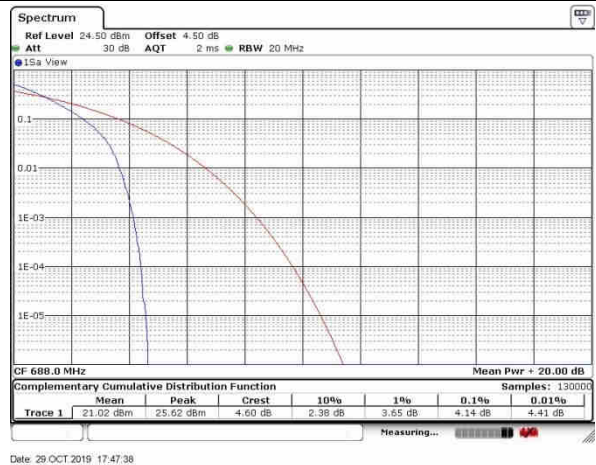
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



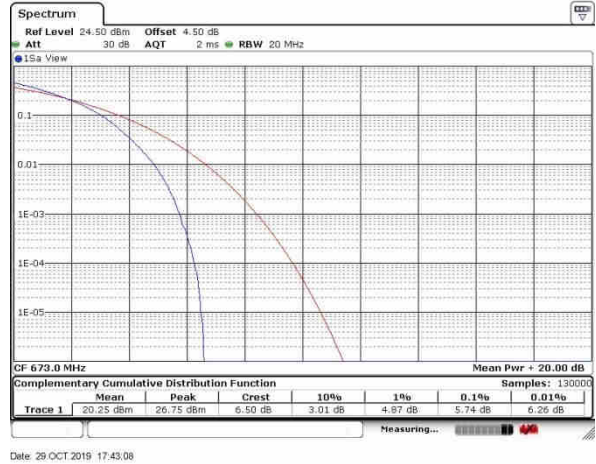


LTE Band 71 / 20MHz / 16QAM

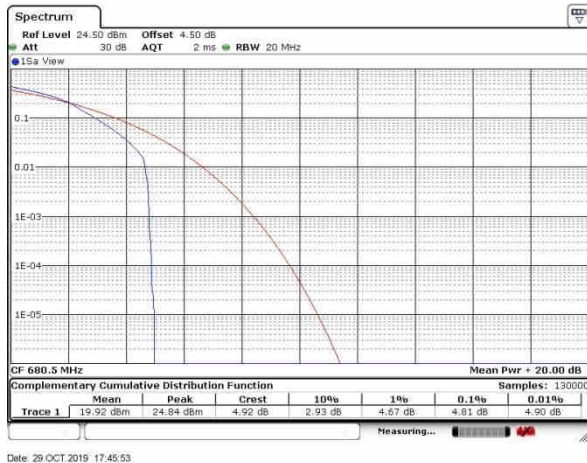
Lowest Channel / 1RB



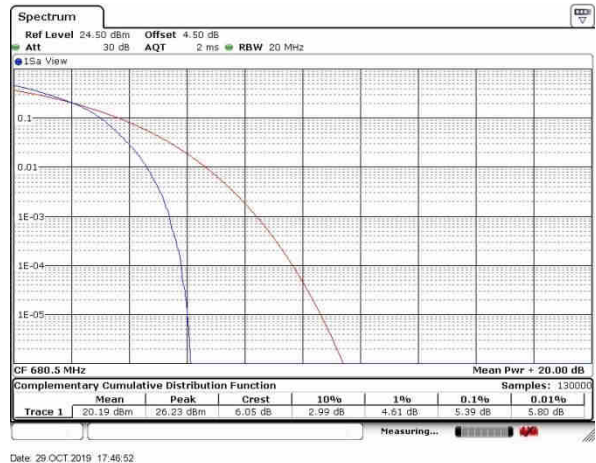
Lowest Channel / Full RB



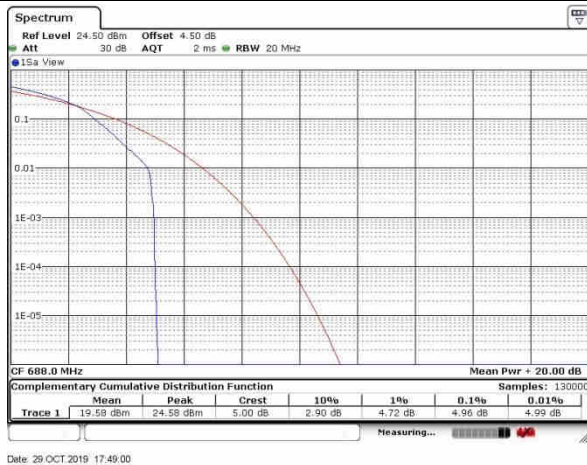
Middle Channel / 1RB



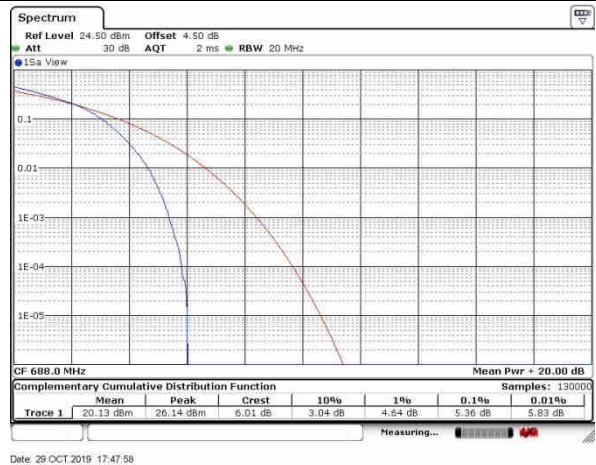
Middle Channel / Full RB



Highest Channel / 1RB



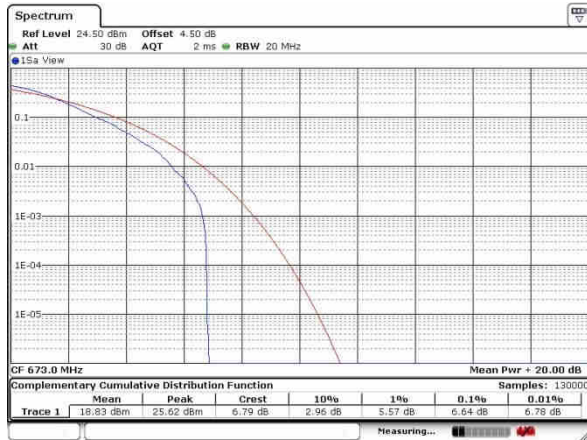
Highest Channel / Full RB





LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



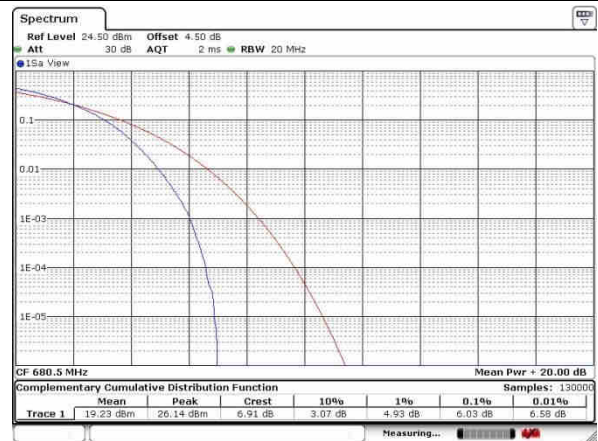
Lowest Channel / Full RB



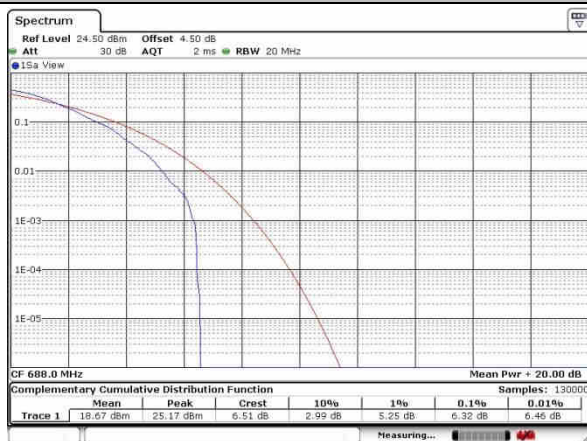
Middle Channel / 1RB



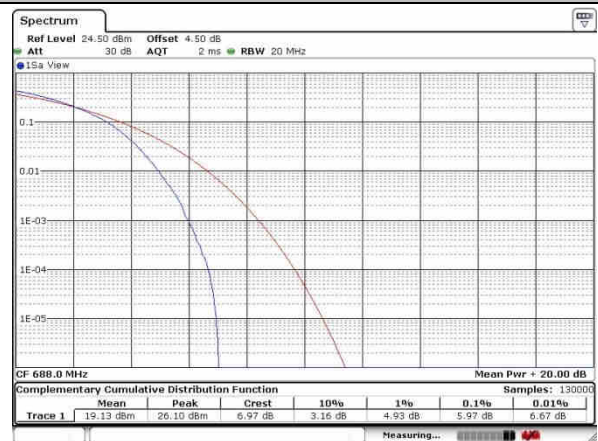
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





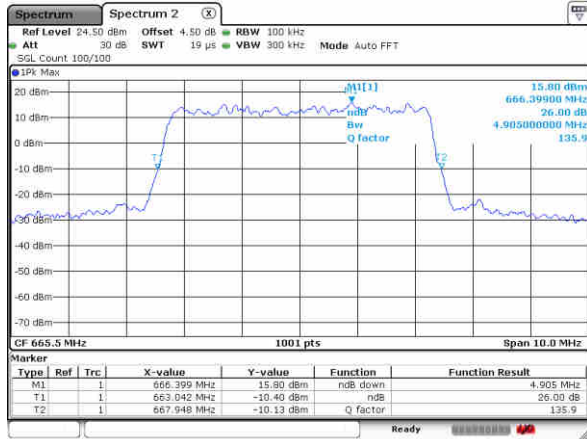
26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.905	4.865	9.87	9.69	14.476	14.326	20.18	20.18	4.965	9.73	14.326	20.34
Middle CH	4.825	4.895	9.81	9.81	14.266	14.176	20.26	20.06	4.805	9.85	14.266	20.18
Highest CH	4.905	4.885	9.95	9.81	14.595	14.476	20.10	20.10	4.915	9.75	14.286	20.42



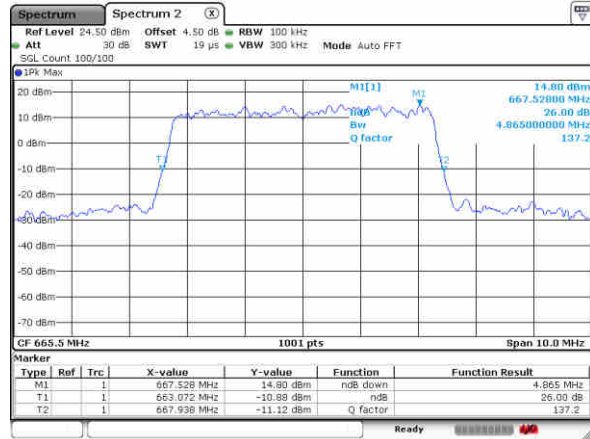
LTE Band 71

Lowest Channel / 5MHz / QPSK



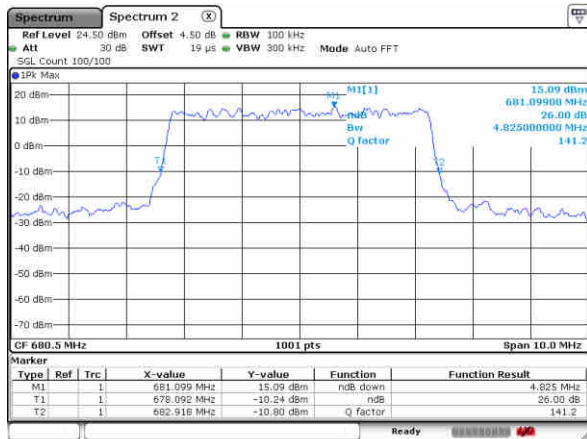
Date: 28.OCT.2019 17:54:31

Lowest Channel / 5MHz / 16QAM



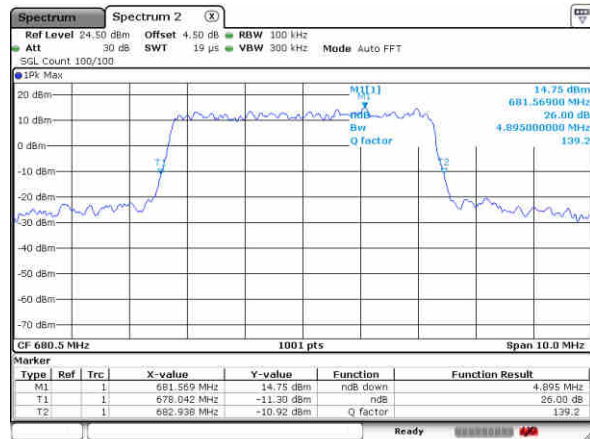
Date: 28.OCT.2019 17:54:54

Middle Channel / 5MHz / QPSK



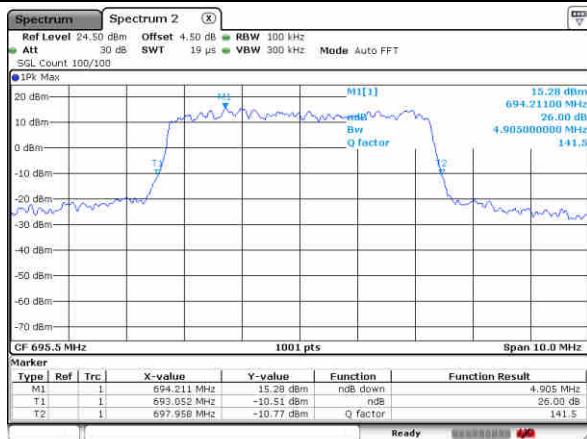
Date: 28.OCT.2019 17:57:44

Middle Channel / 5MHz / 16QAM



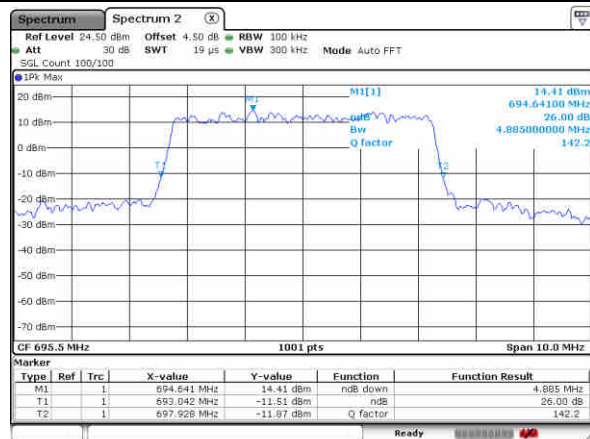
Date: 28.OCT.2019 17:57:19

Highest Channel / 5MHz / QPSK



Date: 28.OCT.2019 18:00:52

Highest Channel / 5MHz / 16QAM

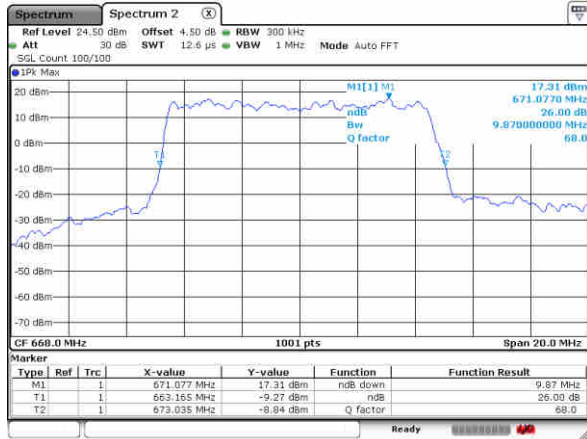


Date: 28.OCT.2019 18:01:10



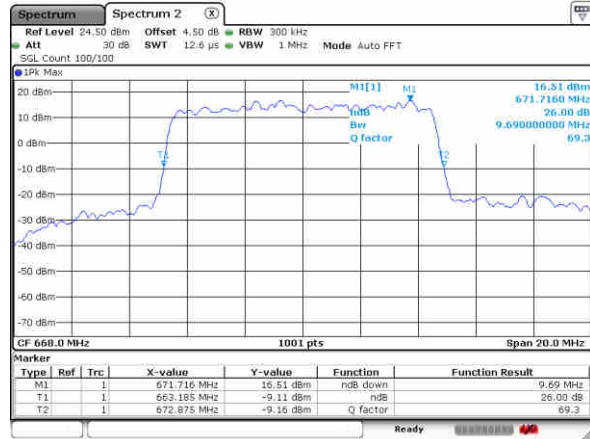
LTE Band 71

Lowest Channel / 10MHz / QPSK



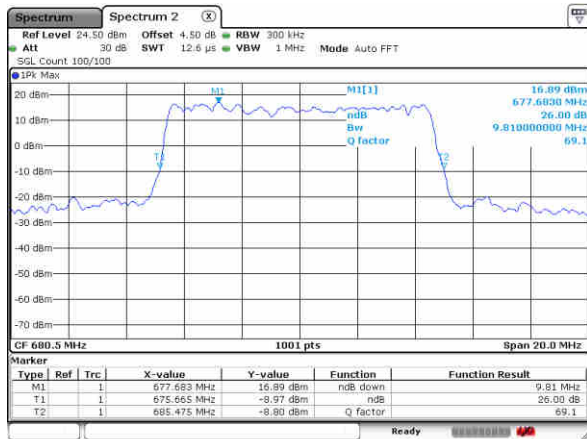
Date: 28.OCT.2019 17:44:13

Lowest Channel / 10MHz / 16QAM



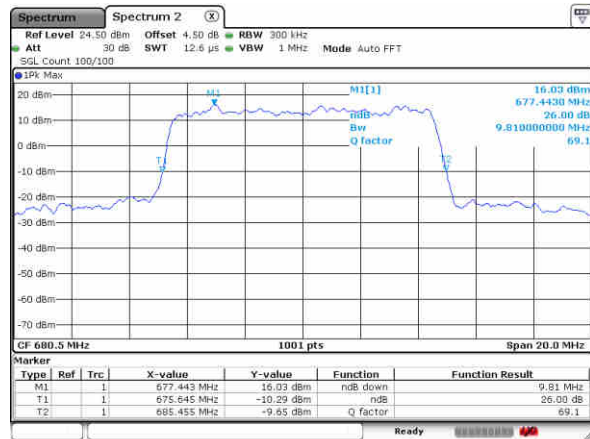
Date: 28.OCT.2019 17:42:50

Middle Channel / 10MHz / QPSK



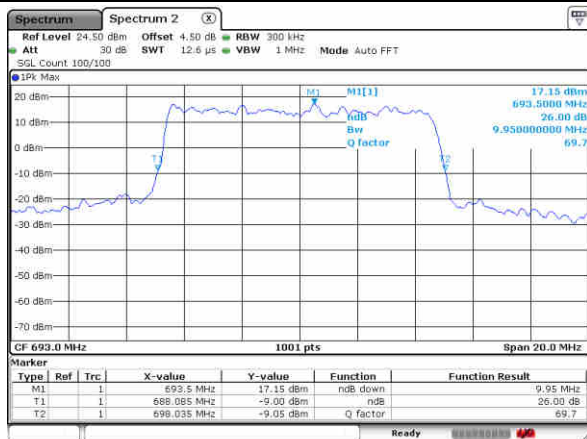
Date: 28.OCT.2019 17:45:48

Middle Channel / 10MHz / 16QAM



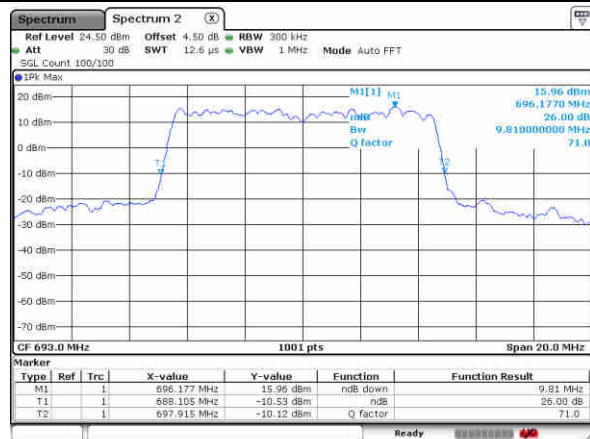
Date: 28.OCT.2019 17:47:13

Highest Channel / 10MHz / QPSK



Date: 28.OCT.2019 17:50:19

Highest Channel / 10MHz / 16QAM

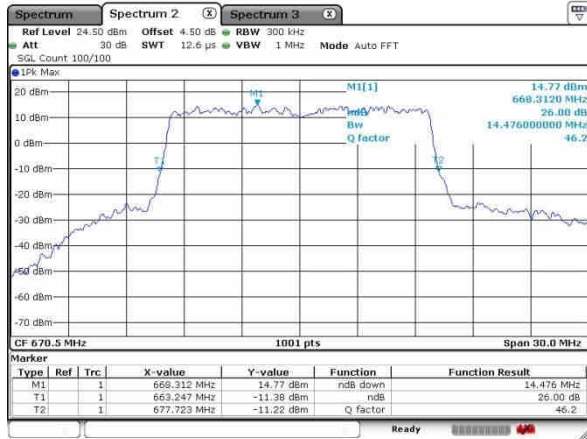


Date: 28.OCT.2019 17:49:21



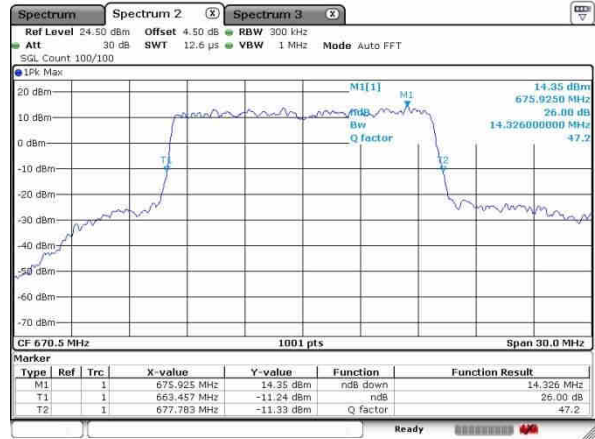
LTE Band 71

Lowest Channel / 15MHz / QPSK



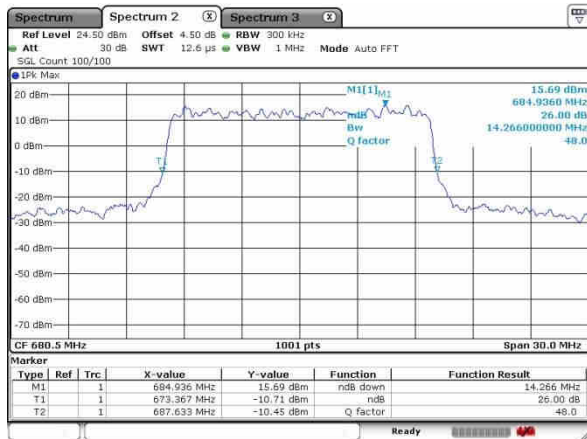
Date: 29 OCT 2019 16:33:58

Lowest Channel / 15MHz / 16QAM



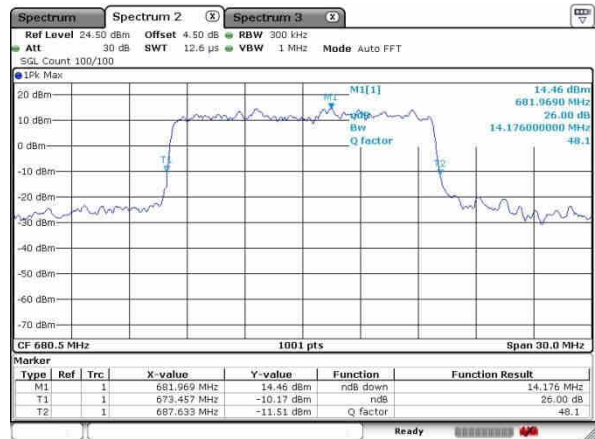
Date: 29 OCT 2019 16:34:33

Middle Channel / 15MHz / QPSK



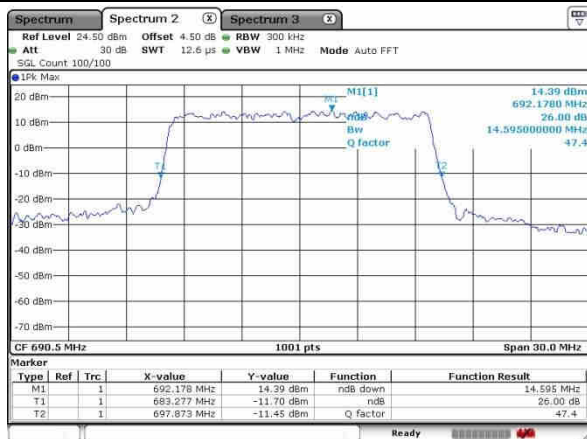
Date: 29 OCT 2019 16:41:46

Middle Channel / 15MHz / 16QAM



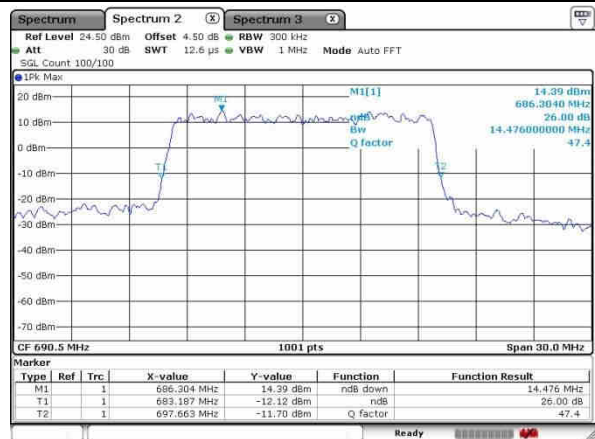
Date: 29 OCT 2019 16:40:28

Highest Channel / 15MHz / QPSK



Date: 29 OCT 2019 16:42:56

Highest Channel / 15MHz / 16QAM

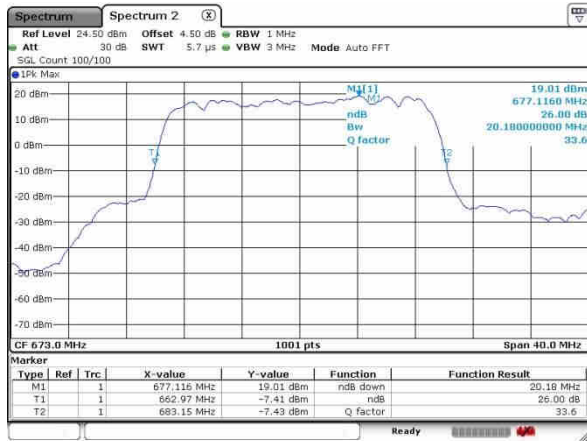


Date: 29 OCT 2019 16:43:21



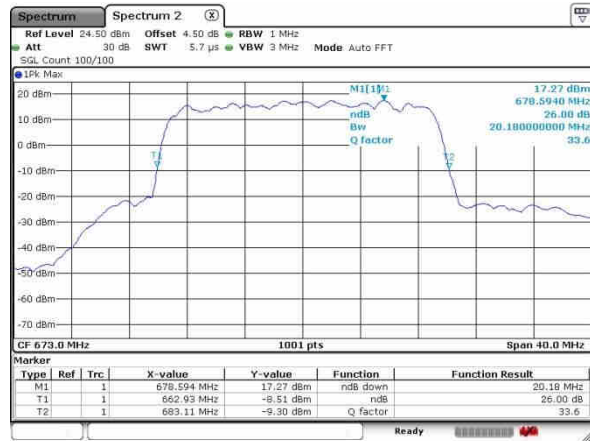
LTE Band 71

Lowest Channel / 20MHz / QPSK



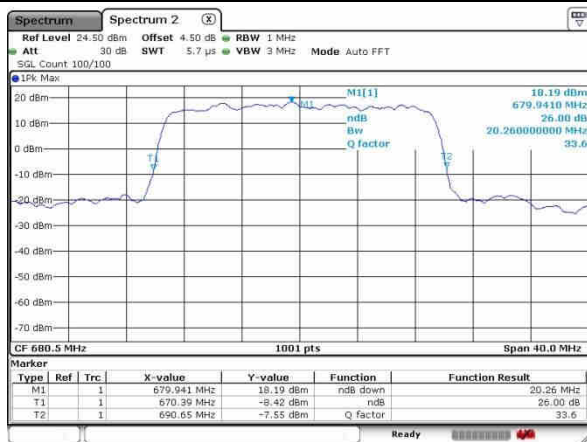
Date: 29 OCT 2019 17:20:58

Lowest Channel / 20MHz / 16QAM



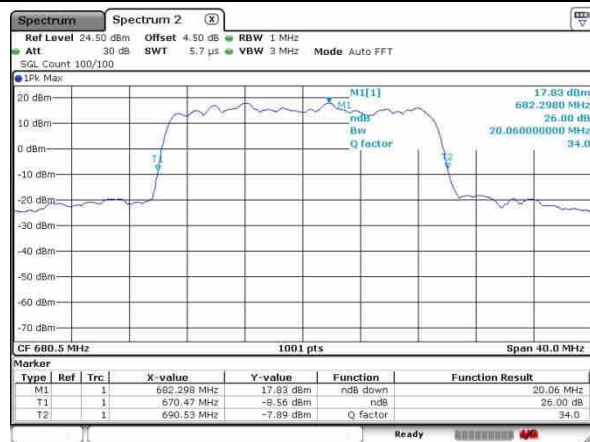
Date: 29 OCT 2019 17:19:41

Middle Channel / 20MHz / QPSK



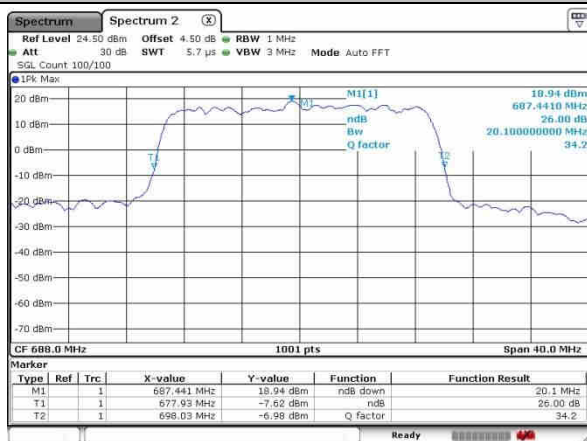
Date: 29 OCT 2019 17:16:40

Middle Channel / 20MHz / 16QAM



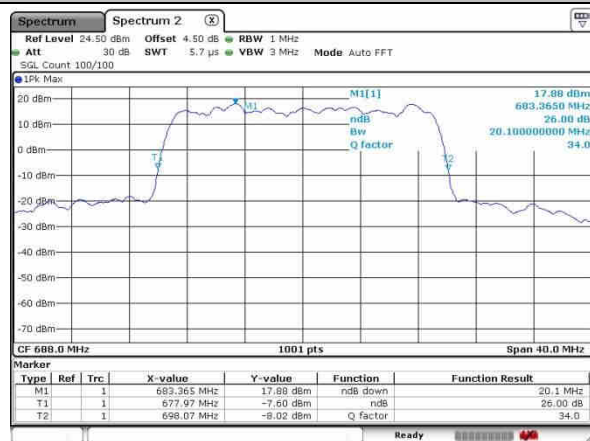
Date: 29 OCT 2019 17:17:43

Highest Channel / 20MHz / QPSK



Date: 29 OCT 2019 17:16:03

Highest Channel / 20MHz / 16QAM

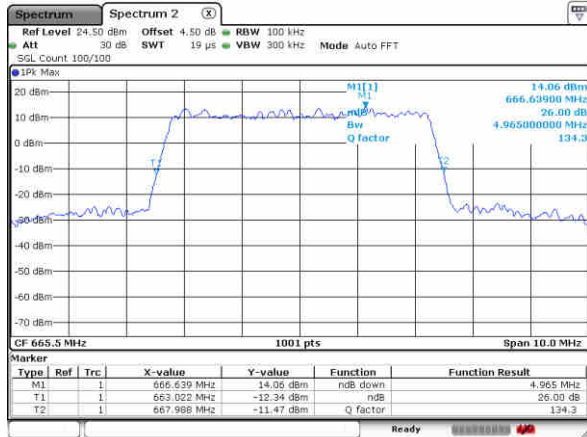


Date: 29 OCT 2019 17:15:05



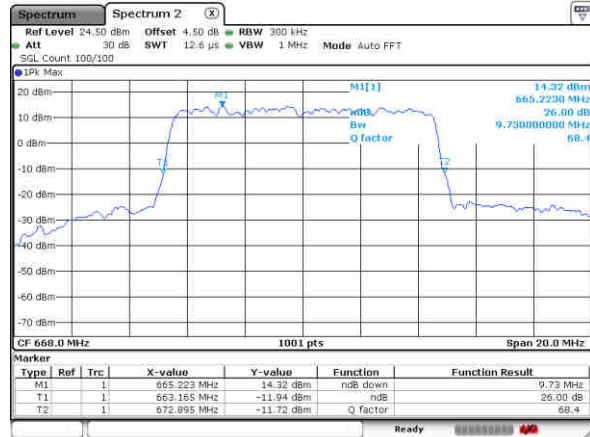
LTE Band 71

Lowest Channel / 5MHz / 64QAM



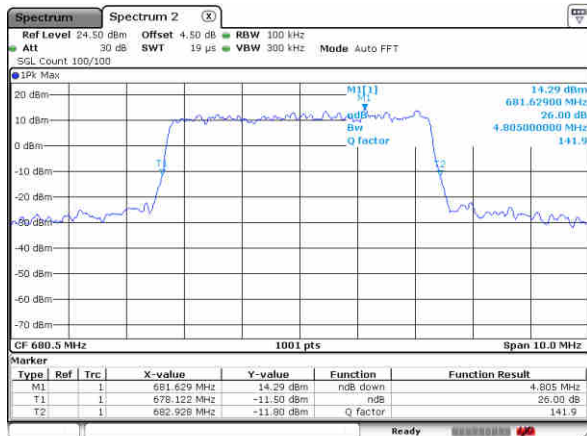
Date: 28.OCT.2019 17:55:46

Lowest Channel / 10MHz / 64QAM



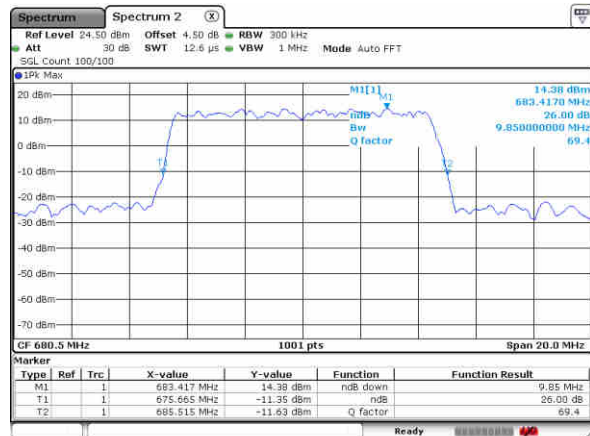
Date: 28.OCT.2019 17:42:22

Middle Channel / 5MHz / 64QAM



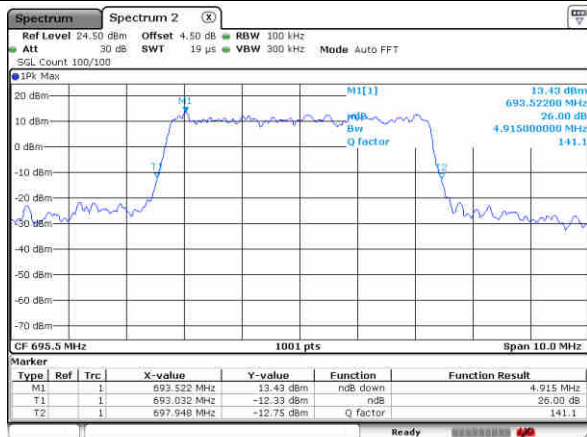
Date: 28.OCT.2019 17:56:21

Middle Channel / 10MHz / 64QAM



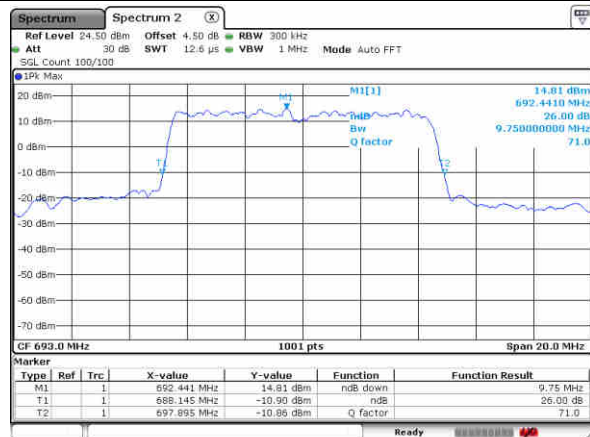
Date: 28.OCT.2019 17:47:32

Highest Channel / 5MHz / 64QAM



Date: 28.OCT.2019 18:02:45

Highest Channel / 10MHz / 64QAM

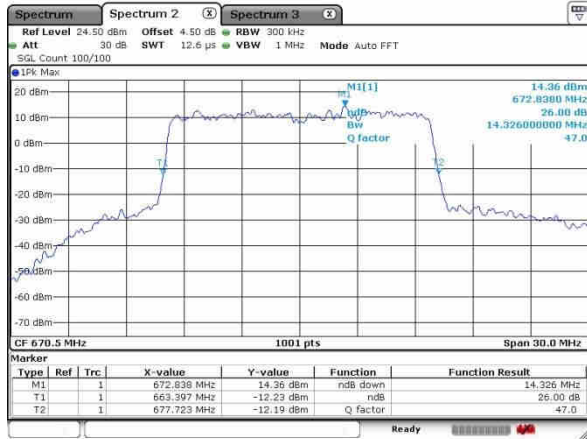


Date: 28.OCT.2019 17:48:37



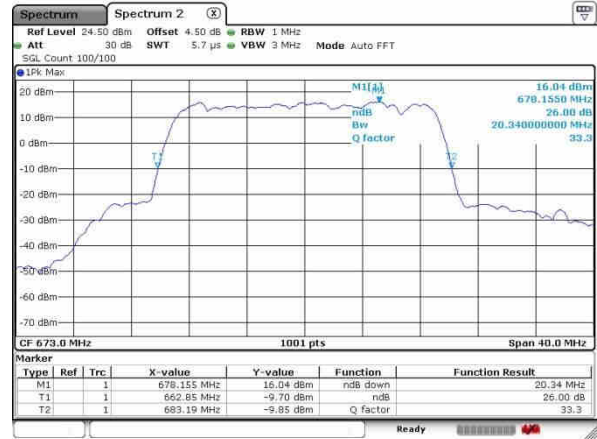
LTE Band 71

Lowest Channel / 15MHz / 64QAM



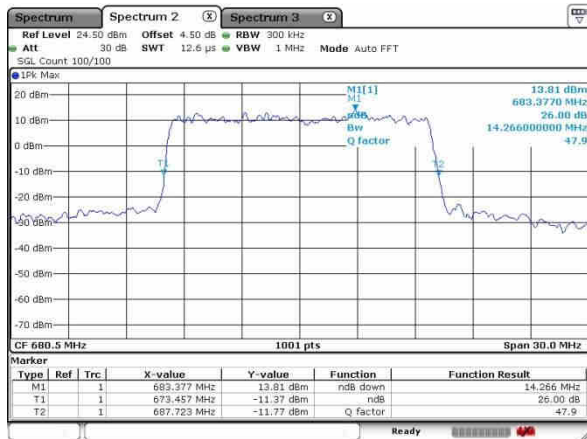
Date: 29 OCT 2019 16:35:20

Lowest Channel / 20MHz / 64QAM



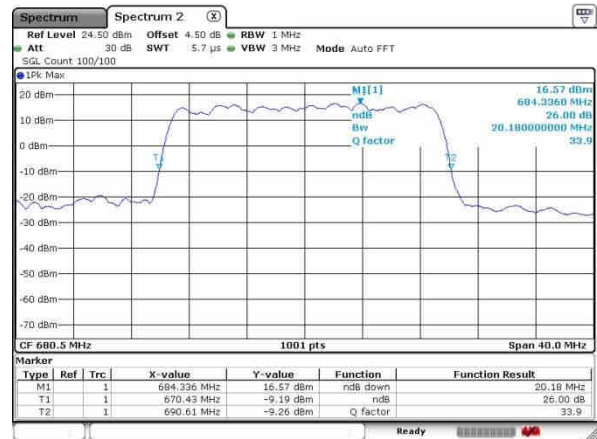
Date: 29 OCT 2019 17:19:19

Middle Channel / 15MHz / 64QAM



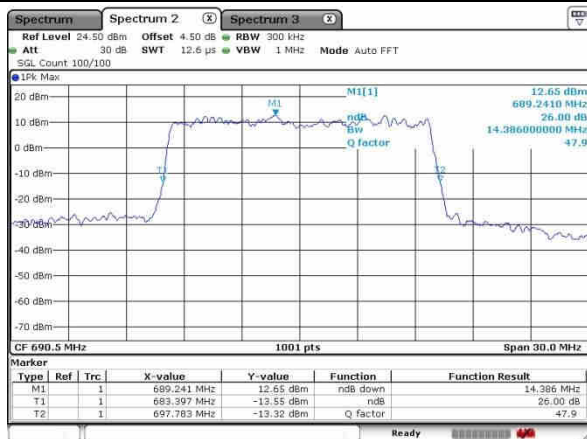
Date: 29 OCT 2019 16:40:05

Middle Channel / 20MHz / 64QAM



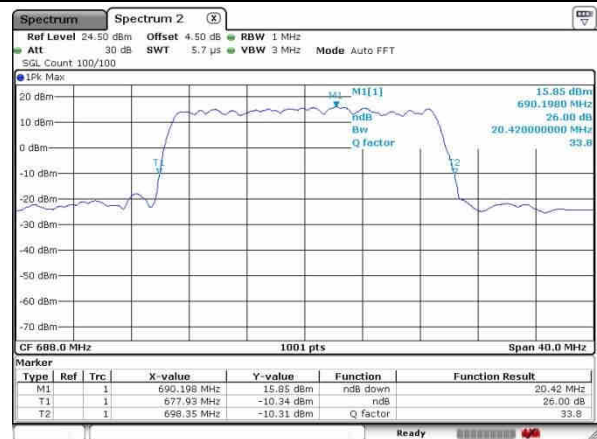
Date: 29 OCT 2019 17:18:12

Highest Channel / 15MHz / 64QAM



Date: 29 OCT 2019 16:44:22

Highest Channel / 20MHz / 64QAM



Date: 29 OCT 2019 17:14:40



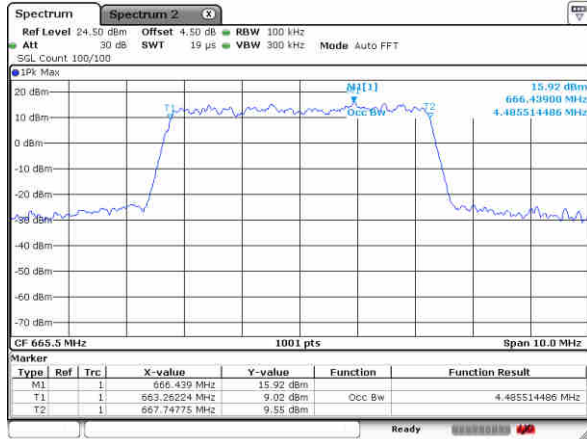
Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.49	4.51	8.99	8.97	13.46	13.43	18.30	18.34	4.49	9.03	13.40	18.38
Middle CH	4.50	4.50	9.01	8.95	13.52	13.37	18.38	18.30	4.52	9.03	13.43	18.30
Highest CH	4.49	4.48	9.05	9.03	13.52	13.46	18.22	18.42	4.50	9.09	13.40	18.34



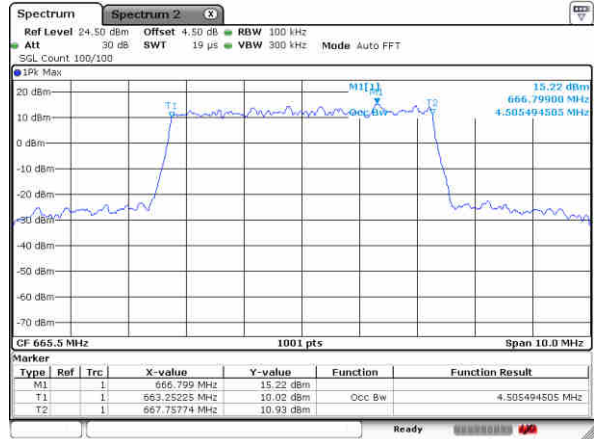
LTE Band 71

Lowest Channel / 5MHz / QPSK



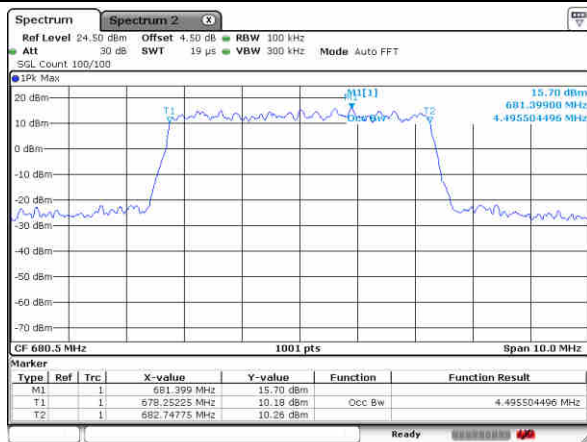
Date: 28.OCT.2019 17:54:00

Lowest Channel / 5MHz / 16QAM



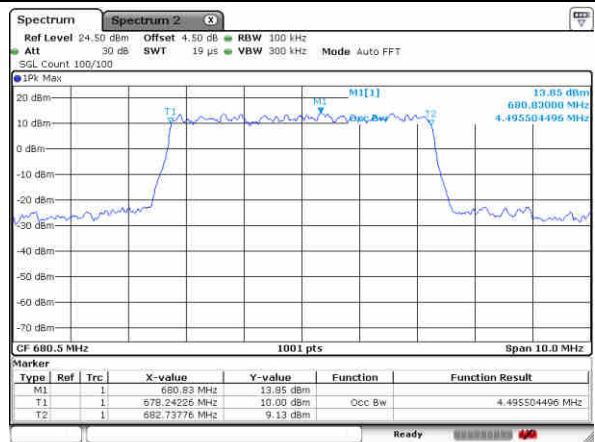
Date: 28.OCT.2019 17:55:14

Middle Channel / 5MHz / QPSK



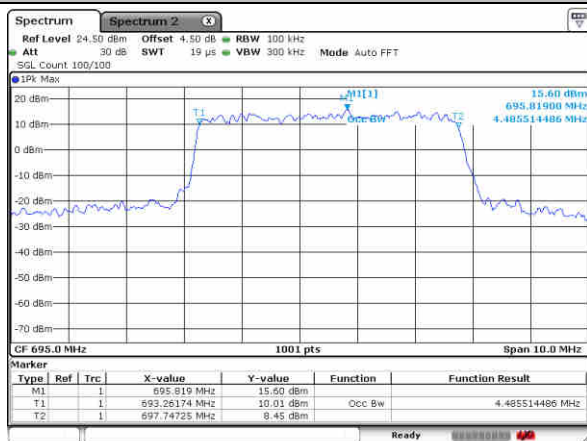
Date: 28.OCT.2019 17:58:15

Middle Channel / 5MHz / 16QAM



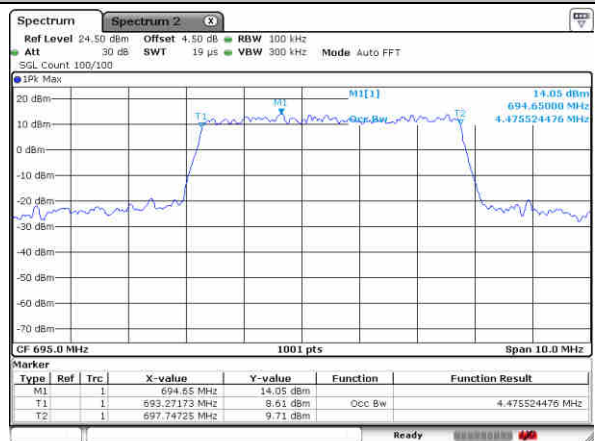
Date: 28.OCT.2019 17:57:05

Highest Channel / 5MHz / QPSK



Date: 28.OCT.2019 18:00:26

Highest Channel / 5MHz / 16QAM

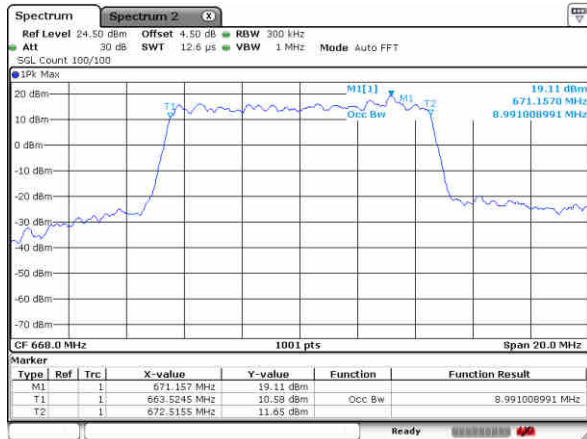


Date: 28.OCT.2019 18:01:28



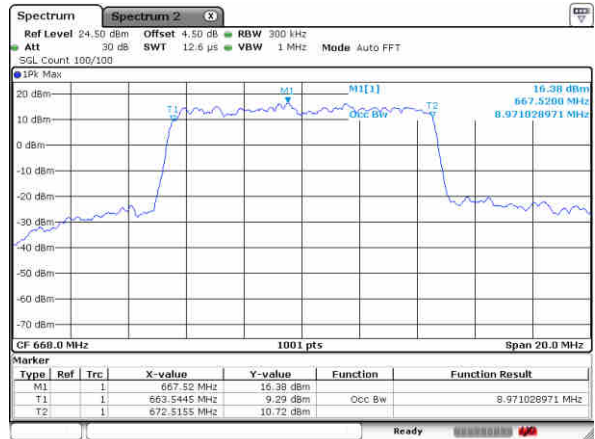
LTE Band 71

Lowest Channel / 10MHz / QPSK



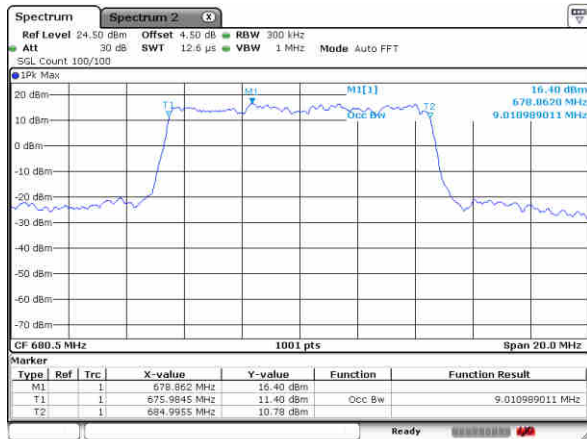
Date: 28.OCT.2019 17:43:58

Lowest Channel / 10MHz / 16QAM



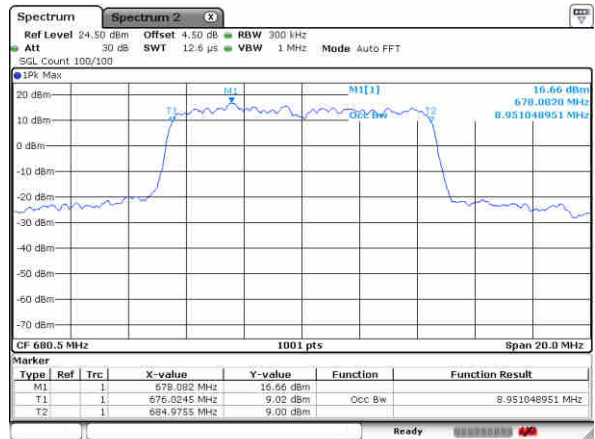
Date: 28.OCT.2019 17:43:12

Middle Channel / 10MHz / QPSK



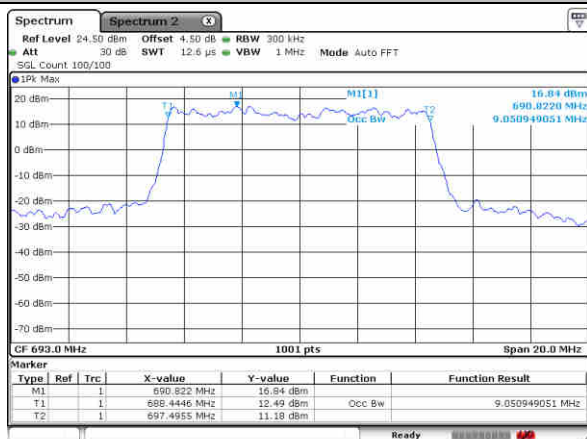
Date: 28.OCT.2019 17:46:18

Middle Channel / 10MHz / 16QAM



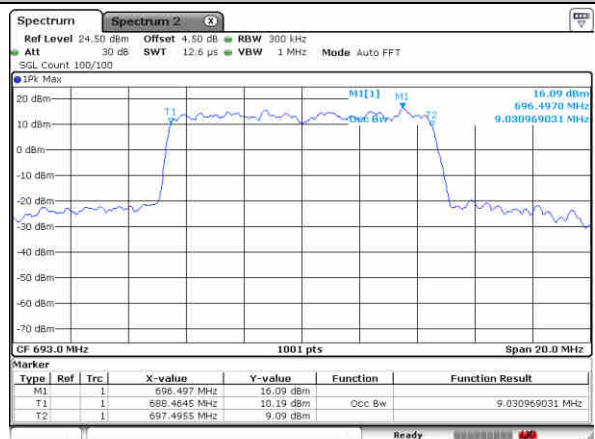
Date: 28.OCT.2019 17:46:57

Highest Channel / 10MHz / QPSK



Date: 28.OCT.2019 17:50:03

Highest Channel / 10MHz / 16QAM

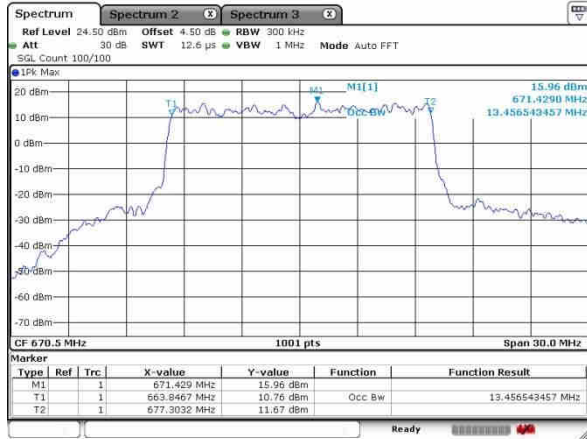


Date: 28.OCT.2019 17:49:37



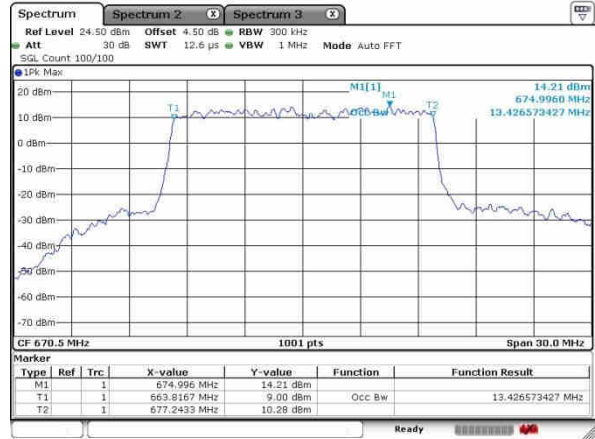
LTE Band 71

Lowest Channel / 15MHz / QPSK



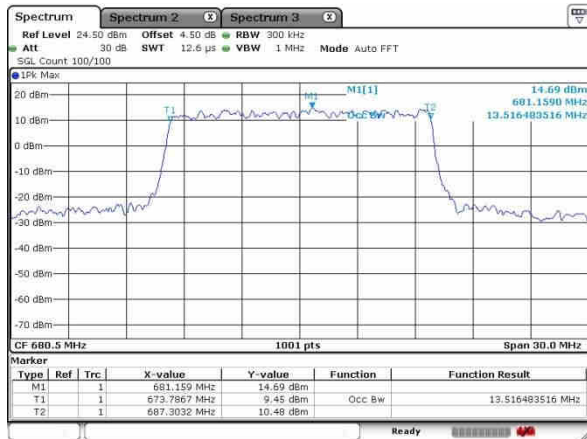
Date: 29 OCT 2019 16:33:25

Lowest Channel / 15MHz / 16QAM



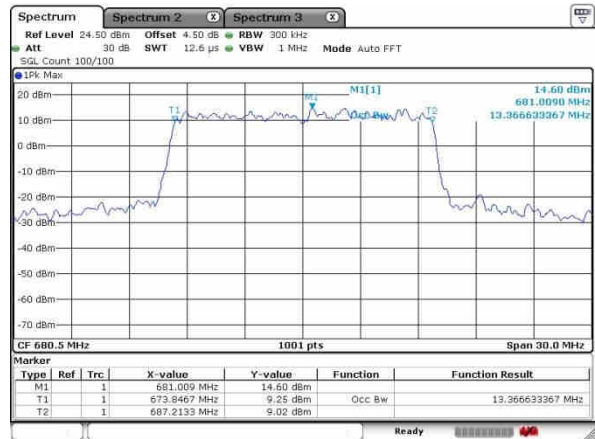
Date: 29 OCT 2019 16:34:49

Middle Channel / 15MHz / QPSK



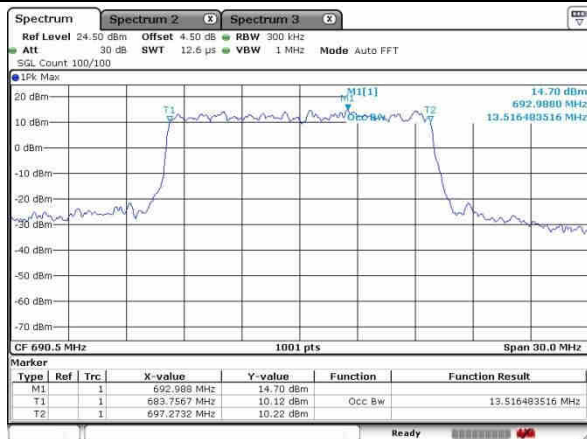
Date: 29 OCT 2019 16:41:17

Middle Channel / 15MHz / 16QAM



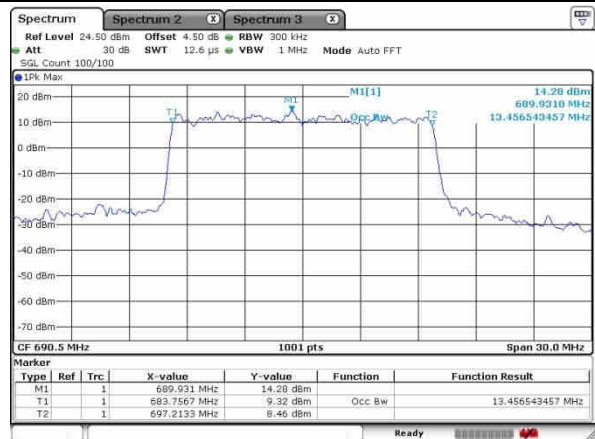
Date: 29 OCT 2019 16:40:55

Highest Channel / 15MHz / QPSK



Date: 29 OCT 2019 16:42:38

Highest Channel / 15MHz / 16QAM

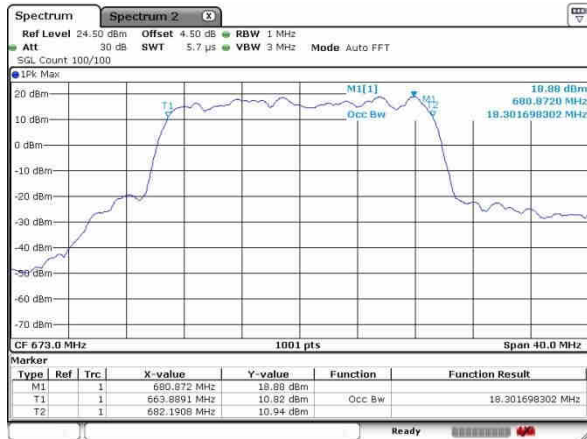


Date: 29 OCT 2019 16:43:36



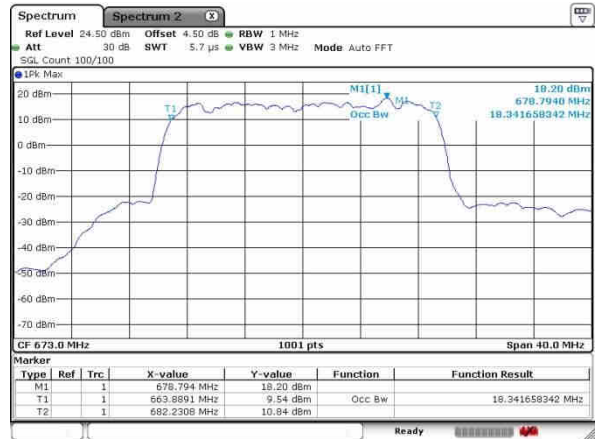
LTE Band 71

Lowest Channel / 20MHz / QPSK



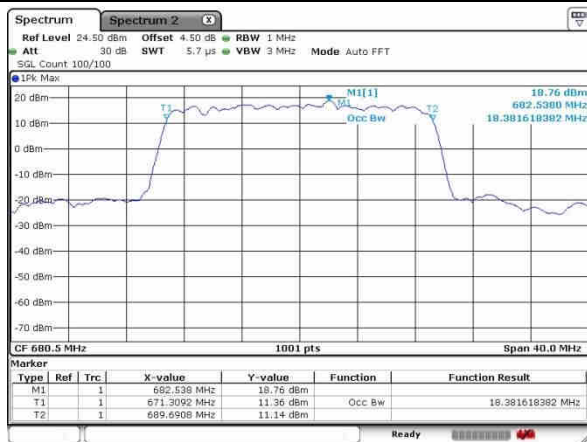
Date: 29 OCT 2019 17:20:28

Lowest Channel / 20MHz / 16QAM



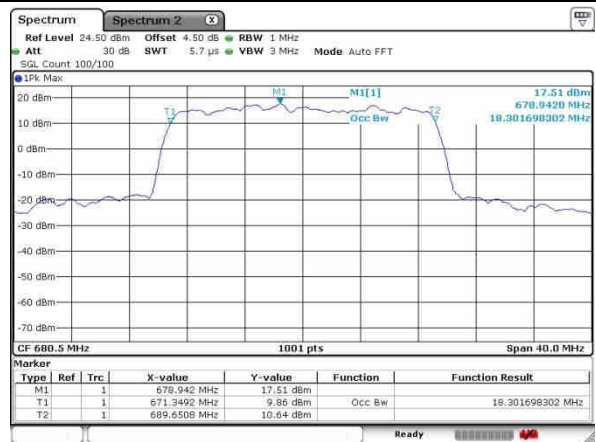
Date: 29 OCT 2019 17:20:02

Middle Channel / 20MHz / QPSK



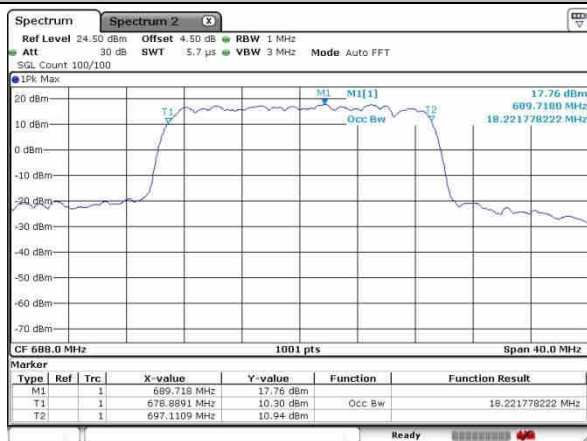
Date: 29 OCT 2019 17:17:05

Middle Channel / 20MHz / 16QAM



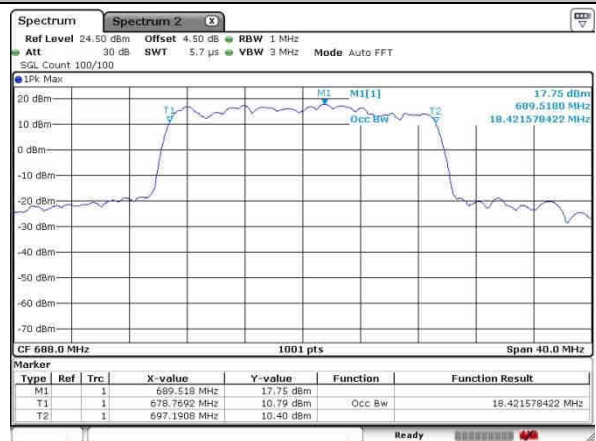
Date: 29 OCT 2019 17:17:28

Highest Channel / 20MHz / QPSK



Date: 29 OCT 2019 17:15:43

Highest Channel / 20MHz / 16QAM



Date: 29 OCT 2019 17:15:22