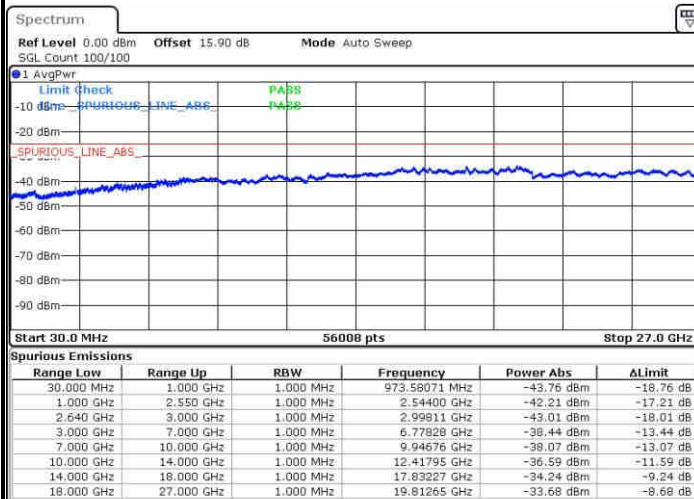




Conducted Spurious Emission

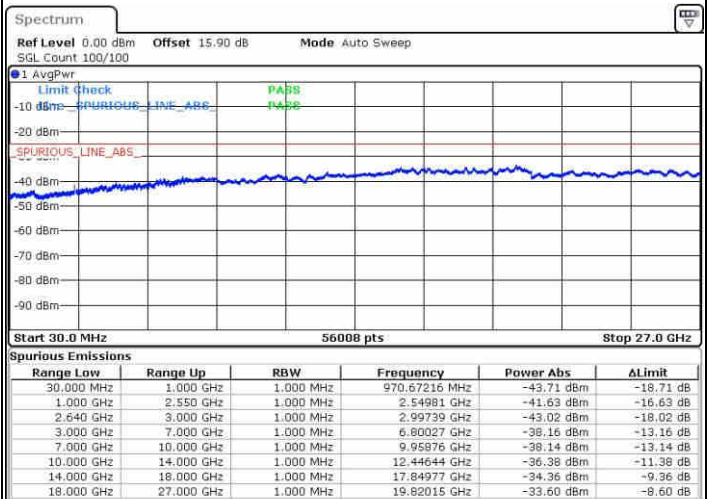
LTE Band 38 / 5MHz

Lowest Channel / QPSK



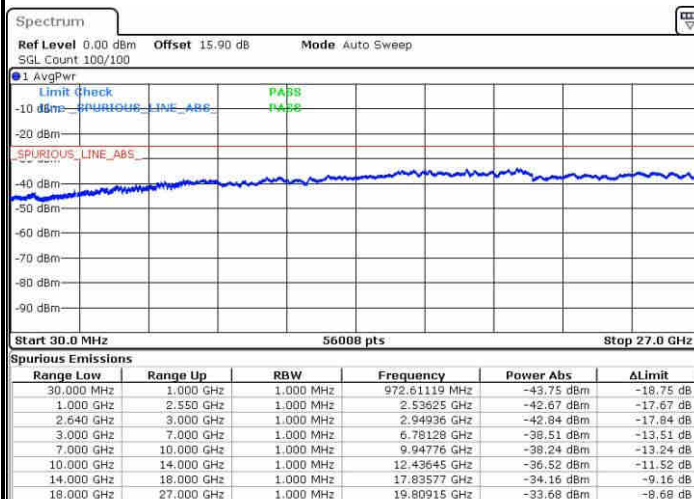
Date: 15 APR 2019 17:54:49

Lowest Channel / 16QAM



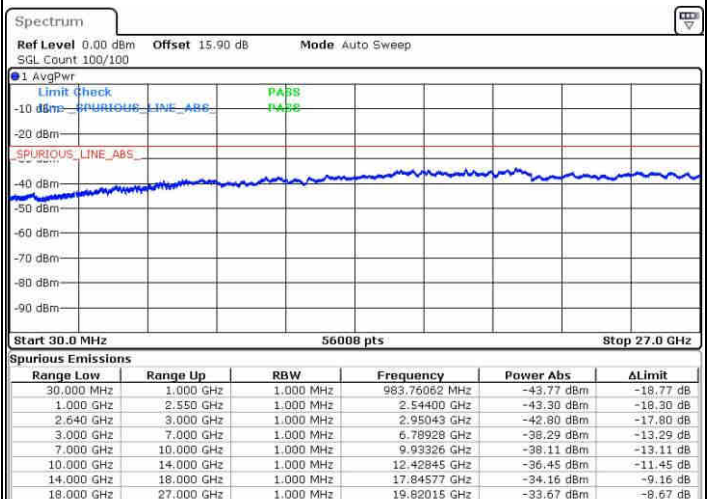
Date: 15 APR 2019 17:55:35

Middle Channel / QPSK



Date: 15 APR 2019 17:56:21

Middle Channel / 16QAM

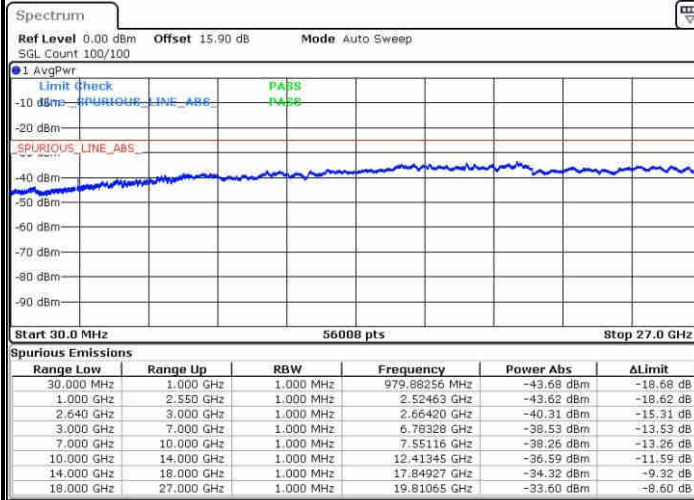


Date: 15 APR 2019 17:57:06



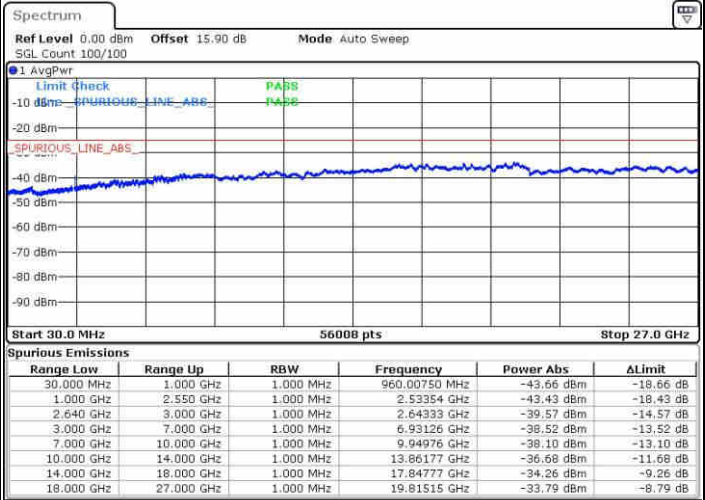
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 15 APR 2019 17:57:52

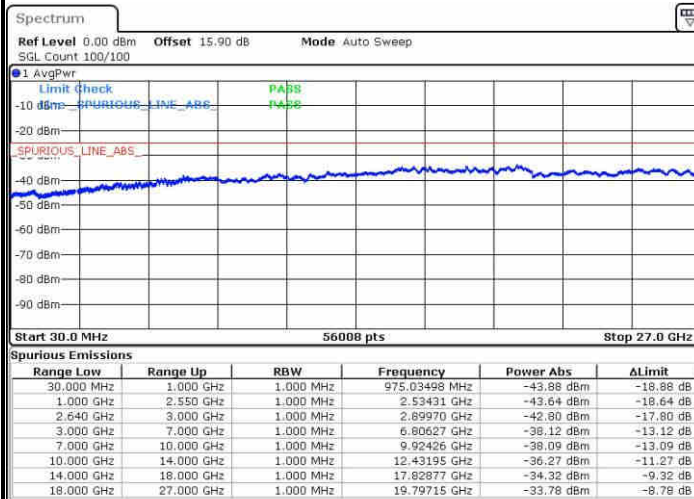
Highest Channel / 16QAM



Date: 15 APR 2019 17:58:38

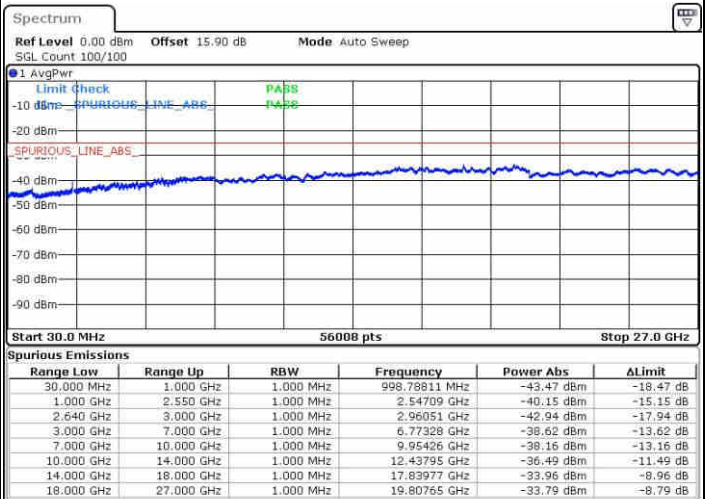
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 15 APR 2019 17:59:25

Lowest Channel / 16QAM

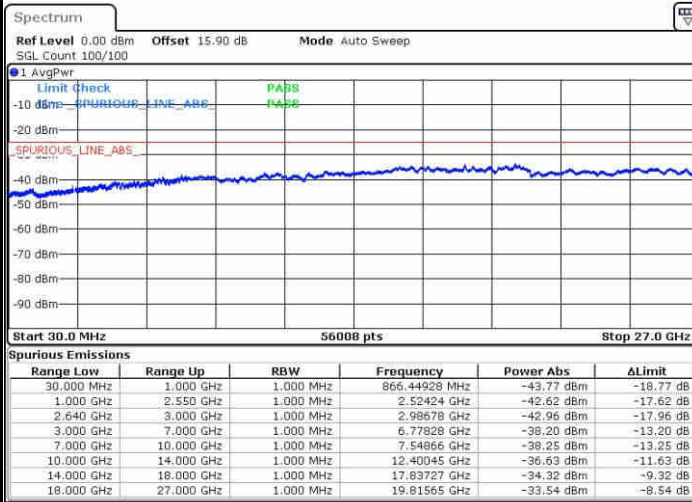


Date: 15 APR 2019 18:00:11



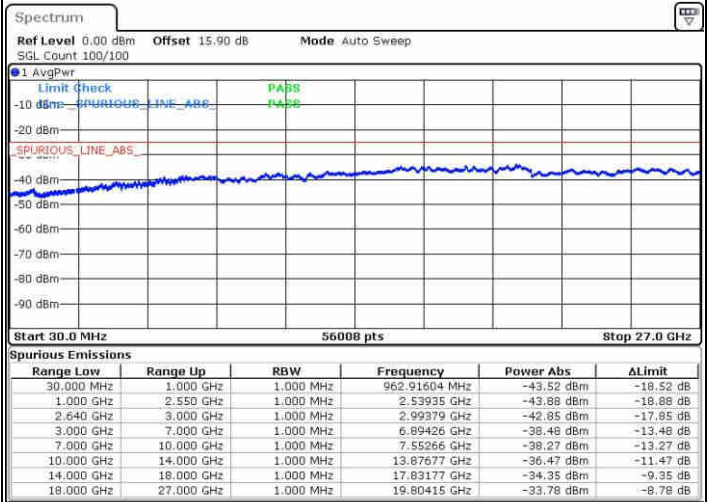
LTE Band 38 / 10MHz

Middle Channel / QPSK



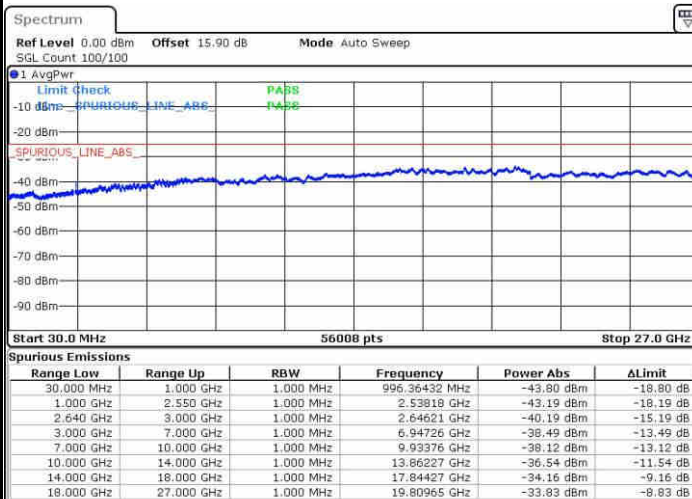
Date: 15 APR 2019 18:00:57

Middle Channel / 16QAM



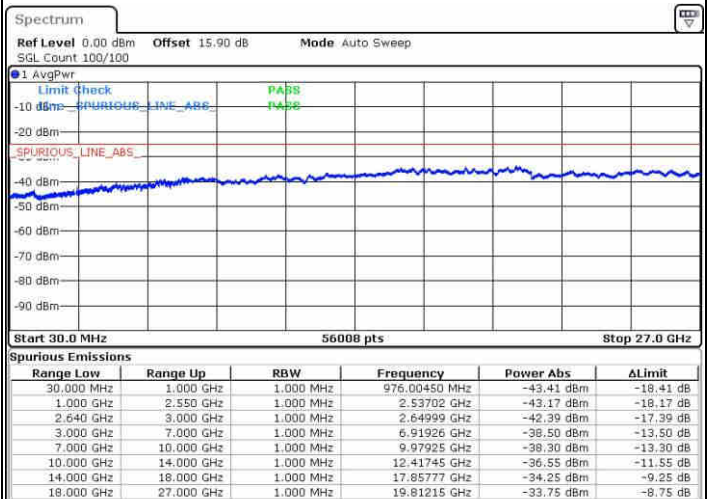
Date: 15 APR 2019 18:01:42

Highest Channel / QPSK



Date: 15 APR 2019 18:02:28

Highest Channel / 16QAM

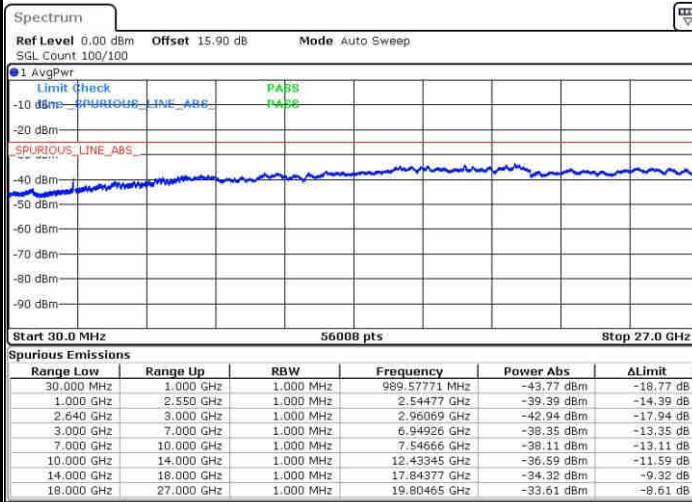


Date: 15 APR 2019 18:03:14



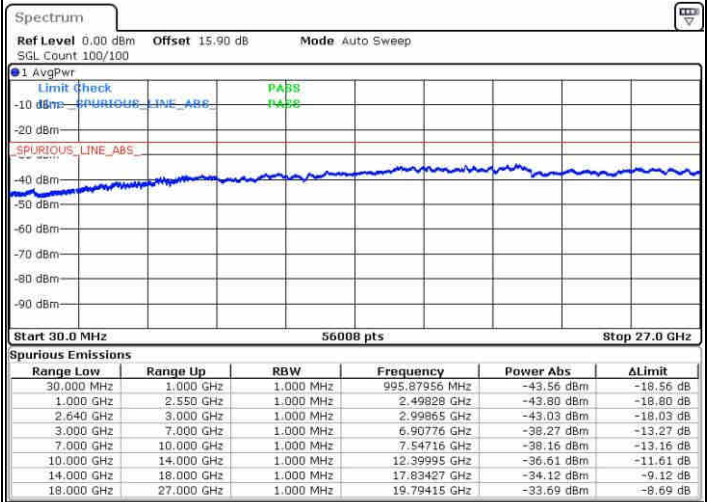
LTE Band 38 / 15MHz

Lowest Channel / QPSK



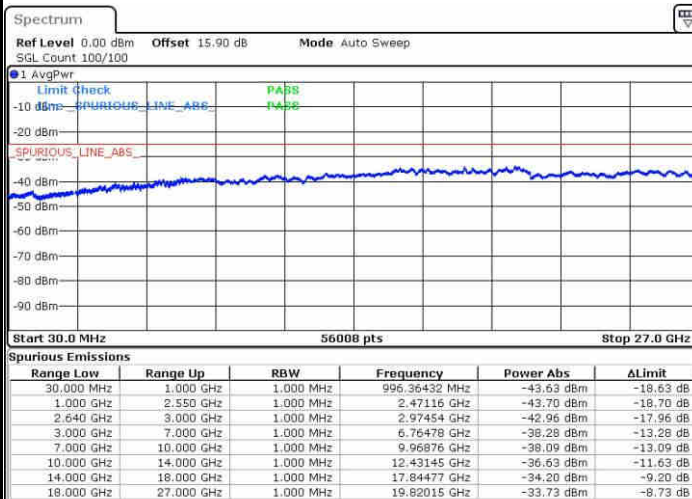
Date: 15 APR 2019 18:04:01

Lowest Channel / 16QAM



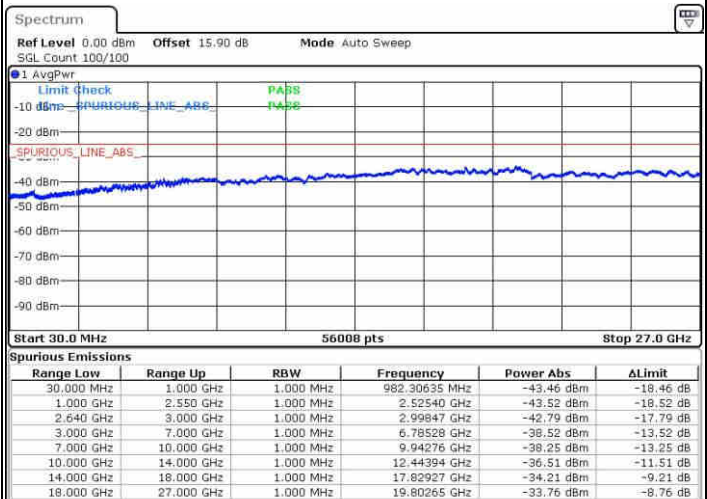
Date: 15 APR 2019 18:04:47

Middle Channel / QPSK



Date: 15 APR 2019 18:05:33

Middle Channel / 16QAM

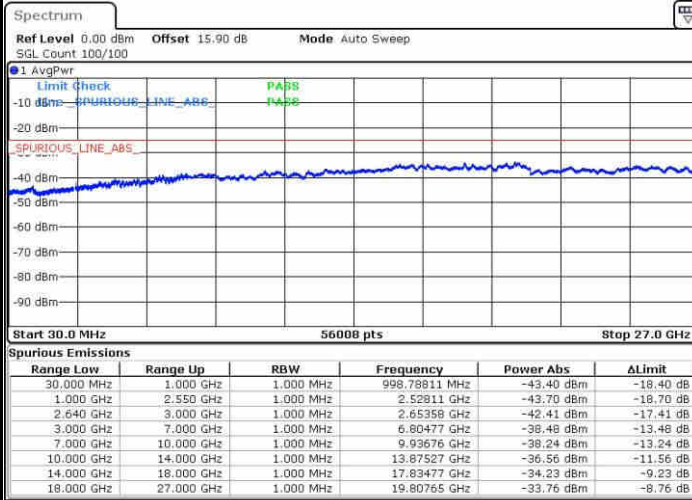


Date: 15 APR 2019 18:06:18



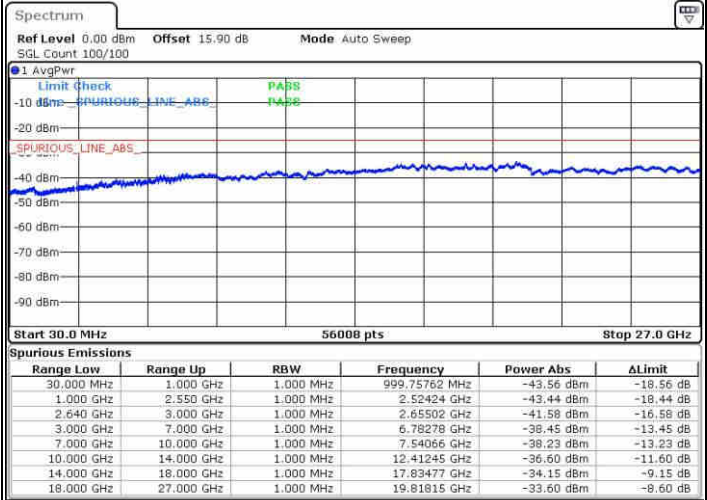
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 15 APR 2019 18:07:04

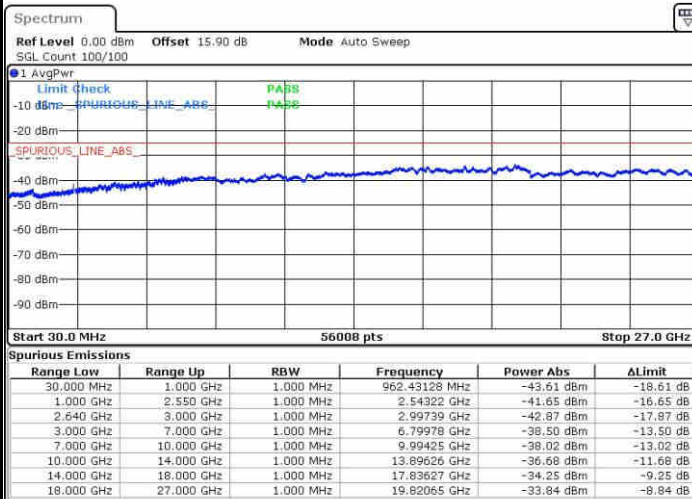
Highest Channel / 16QAM



Date: 15 APR 2019 18:07:50

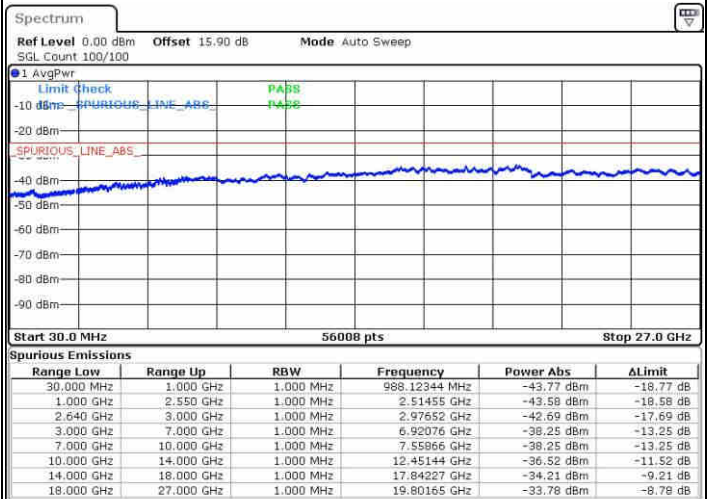
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 15 APR 2019 18:08:38

Lowest Channel / 16QAM

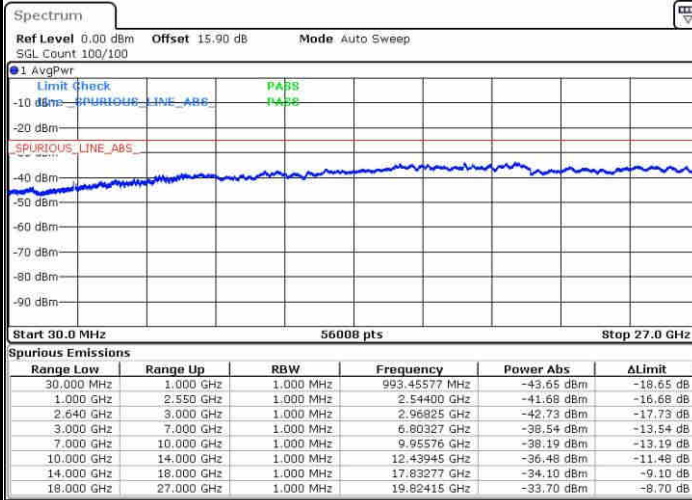


Date: 15 APR 2019 18:09:24



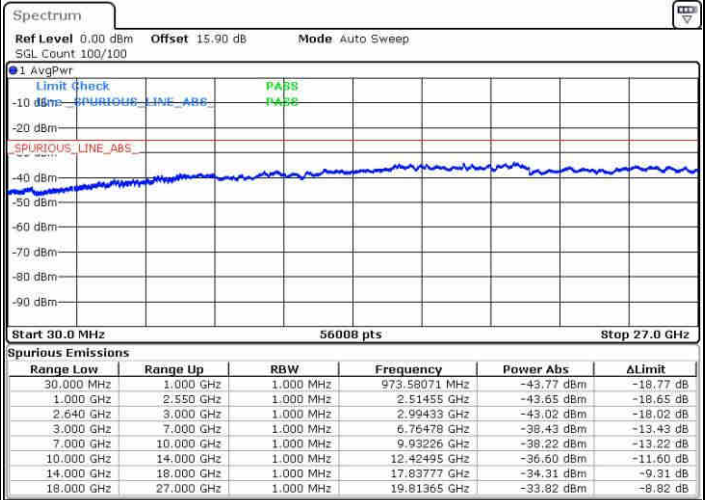
LTE Band 38 / 20MHz

Middle Channel / QPSK



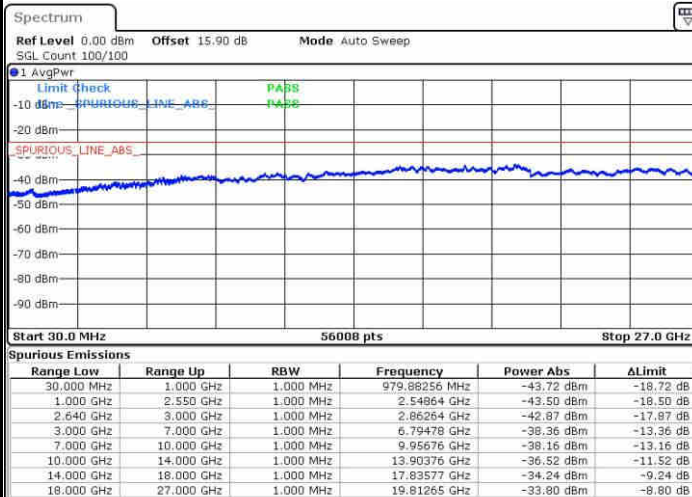
Date: 15 APR 2019 18:10:09

Middle Channel / 16QAM



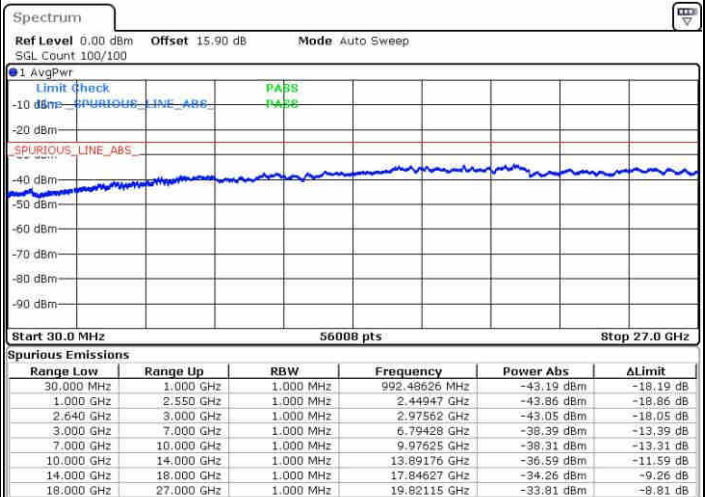
Date: 15 APR 2019 18:10:55

Highest Channel / QPSK



Date: 15 APR 2019 18:11:40

Highest Channel / 16QAM

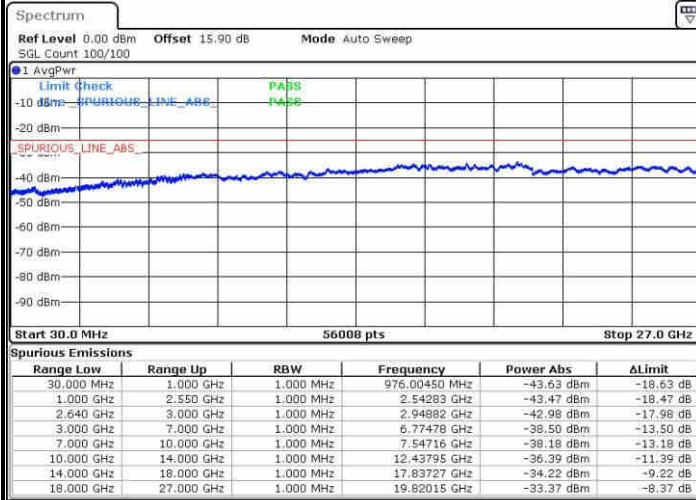


Date: 15 APR 2019 18:12:26



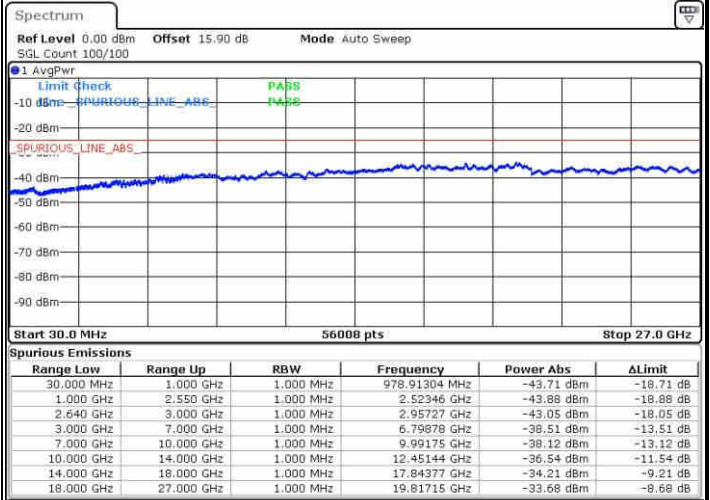
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



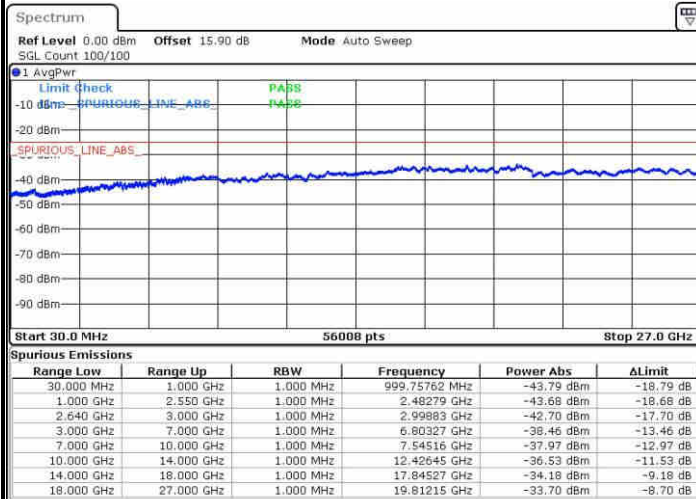
Date: 15 APR 2019 17:45:35

Middle Channel / 64QAM



Date: 15 APR 2019 17:46:20

Highest Channel / 64QAM

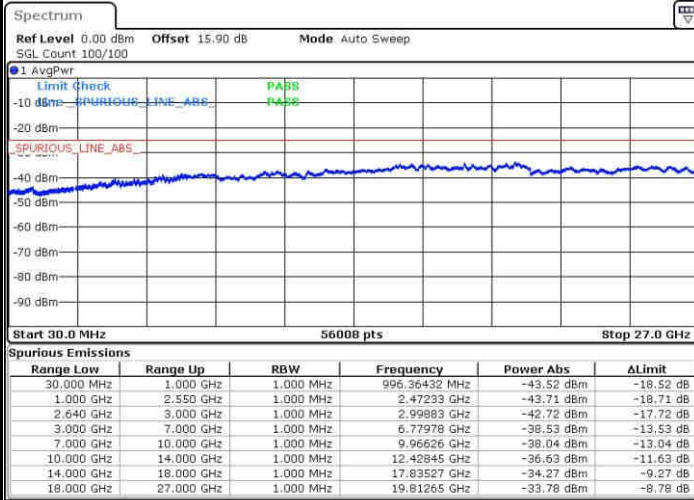


Date: 15 APR 2019 17:47:06



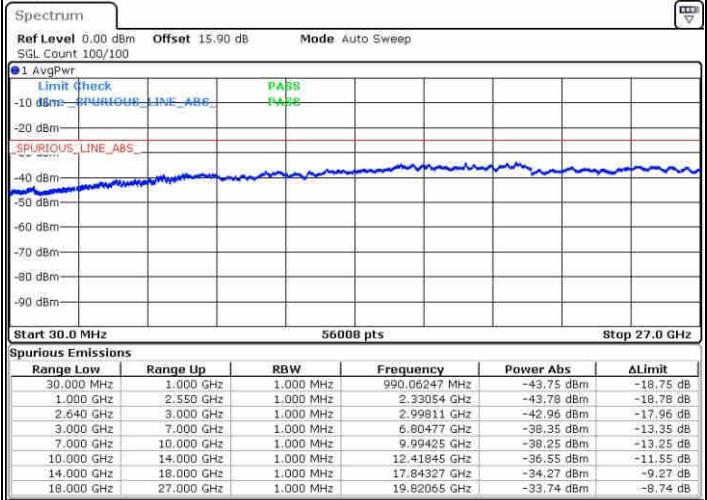
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



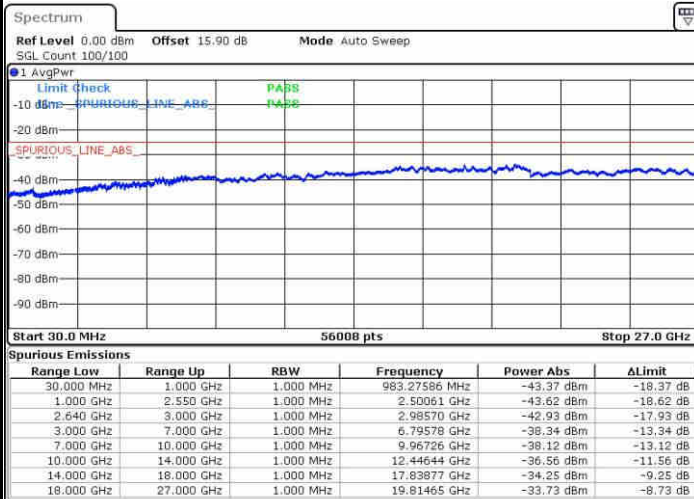
Date: 15 APR 2019 17:47:53

Middle Channel / 64QAM



Date: 15 APR 2019 17:48:39

Highest Channel / 64QAM

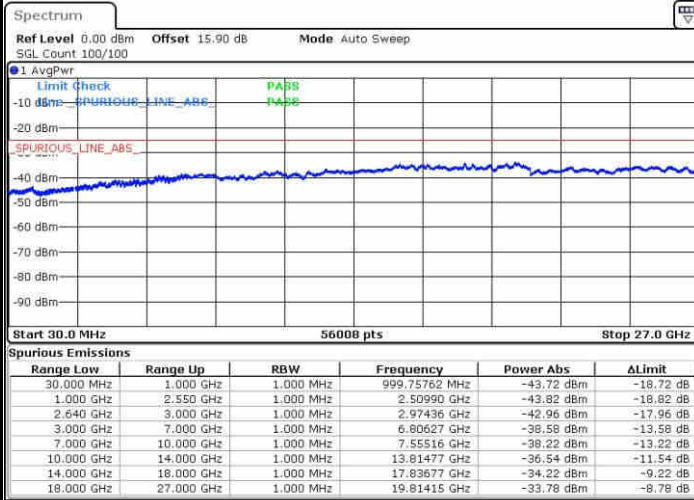


Date: 15 APR 2019 17:49:25



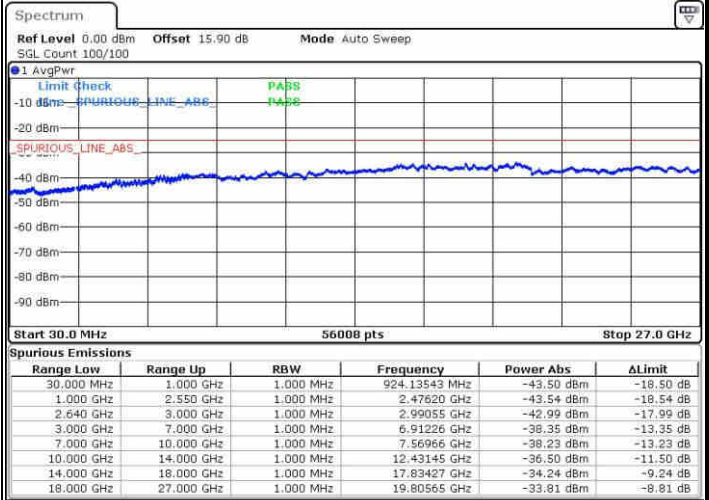
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



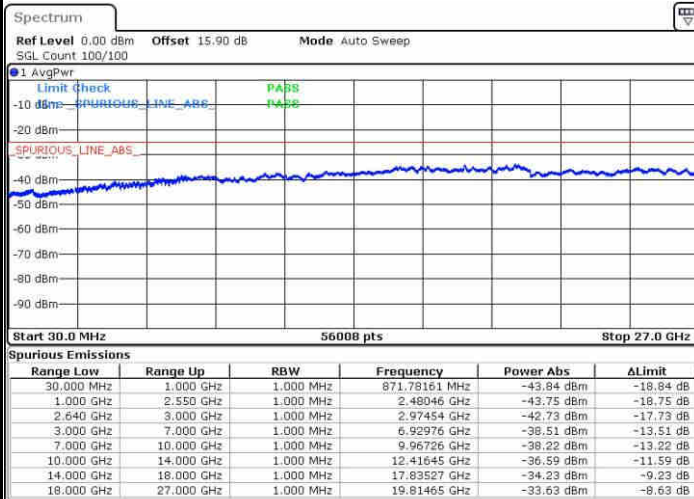
Date: 15 APR 2019 17:50:12

Middle Channel / 64QAM



Date: 15 APR 2019 17:50:58

Highest Channel / 64QAM

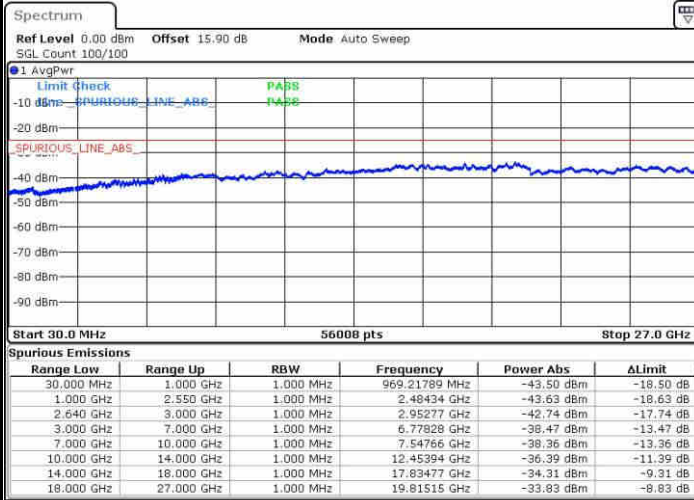


Date: 15 APR 2019 17:51:43



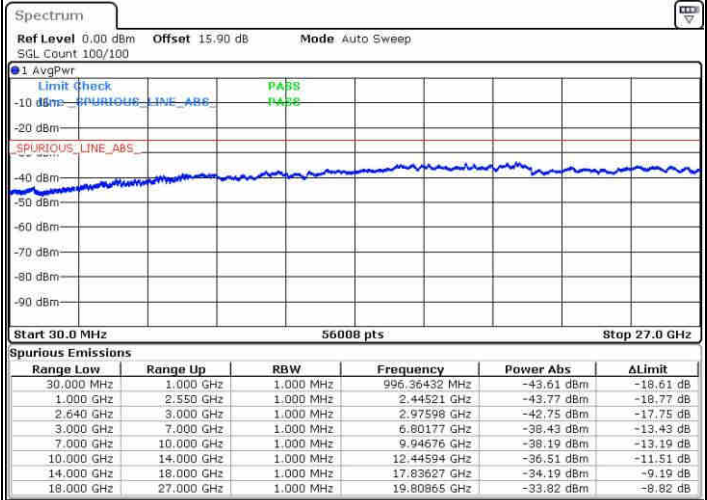
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



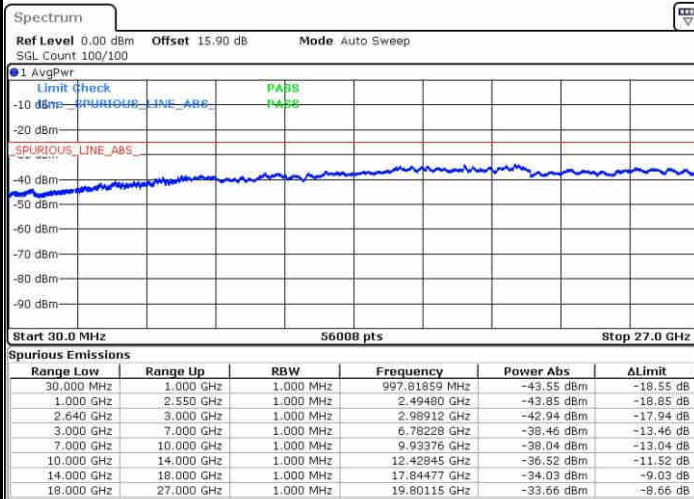
Date: 15 APR 2019 17:52:30

Middle Channel / 64QAM



Date: 15 APR 2019 17:53:16

Highest Channel / 64QAM



Date: 15 APR 2019 17:54:02

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

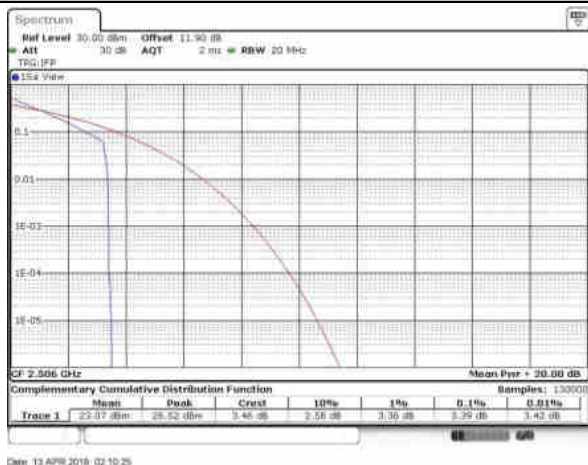
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.39	4.58	4.38	5.65	PASS
Middle CH	3.42	4.55	4.43	5.54	
Highest CH	3.42	4.52	4.2	5.62	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.04	6.49	-	-	PASS
Middle CH	5.45	6.43	-	-	
Highest CH	5.16	6.52	-	-	

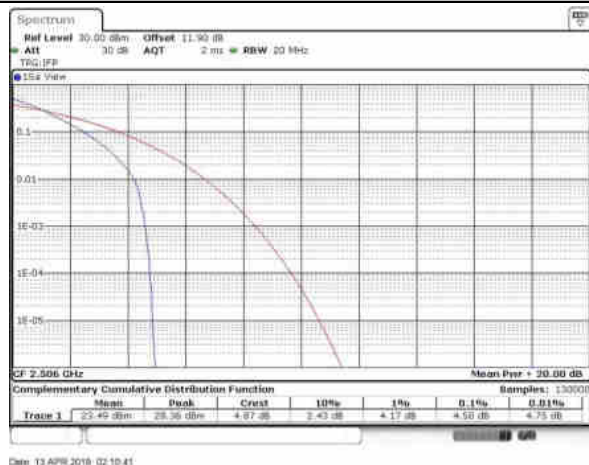


LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



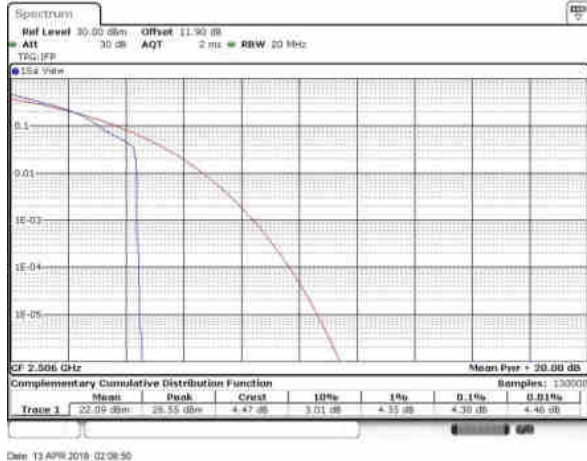
Highest Channel / Full RB



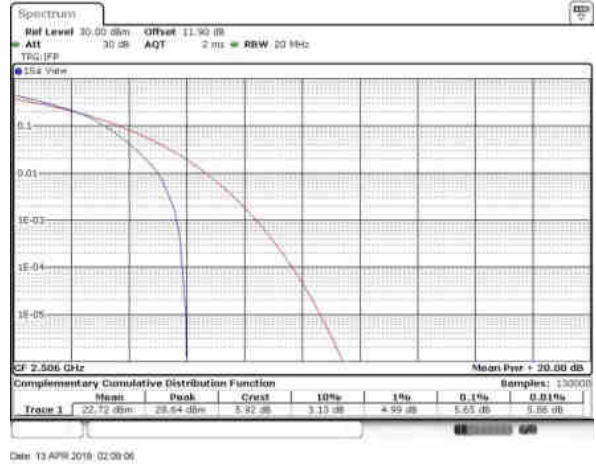


LTE Band 41 / 20MHz / 16QAM

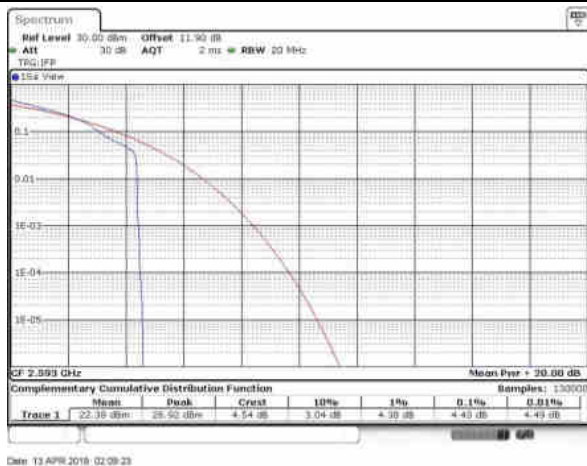
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



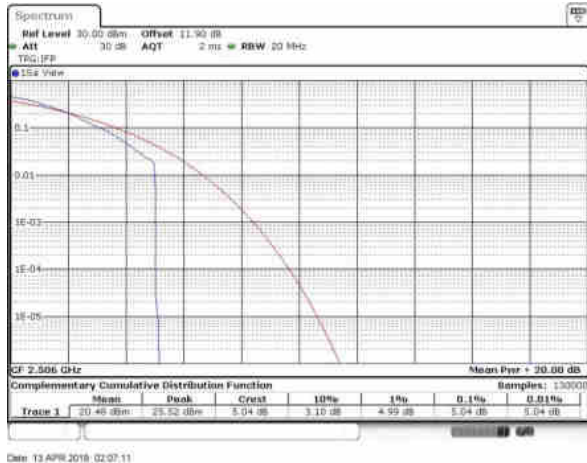
Highest Channel / Full RB



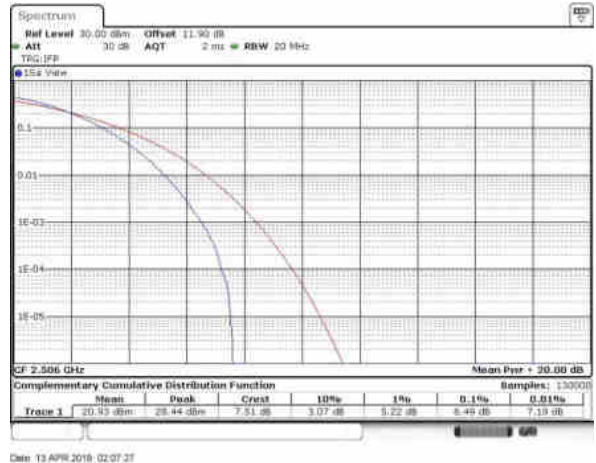


LTE Band 41 / 20MHz / 64QAM

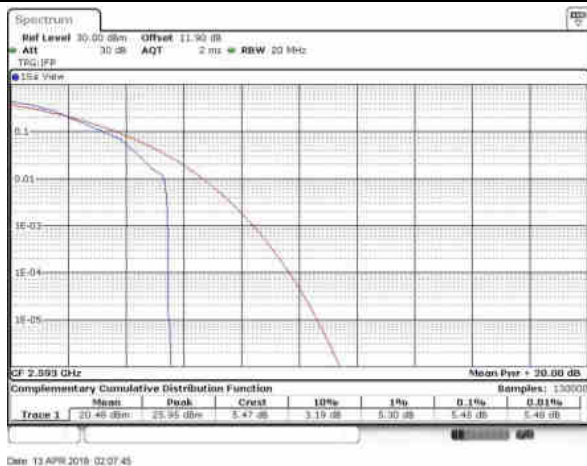
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



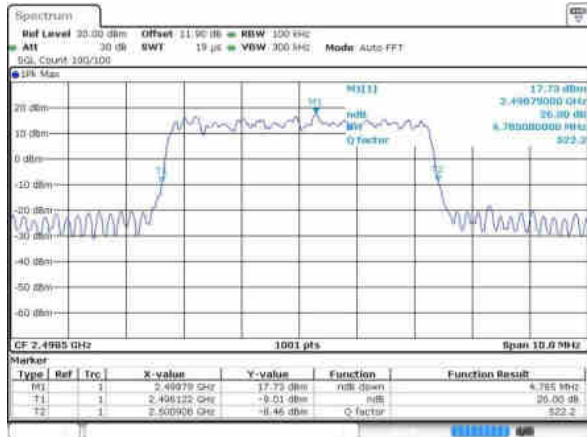
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.79	4.86	9.77	9.75	14.15	14.33	18.66	18.78
Middle CH	-	-	-	-	4.88	4.84	9.75	9.65	14.48	14.45	19.10	19.06
Highest CH	-	-	-	-	4.91	4.81	9.73	9.61	14.18	14.09	18.62	18.7
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.90	-	9.71	-	14.36	-	18.98	-
Middle CH	-	-	-	-	4.89	-	9.69	-	14.21	-	18.94	-
Highest CH	-	-	-	-	4.72	-	9.61	-	14.24	-	18.86	-

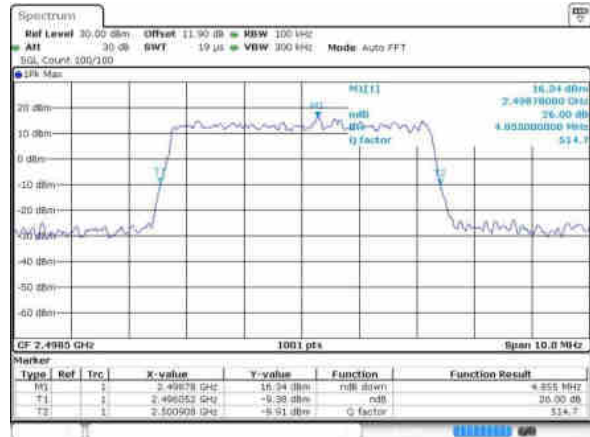


LTE Band 41

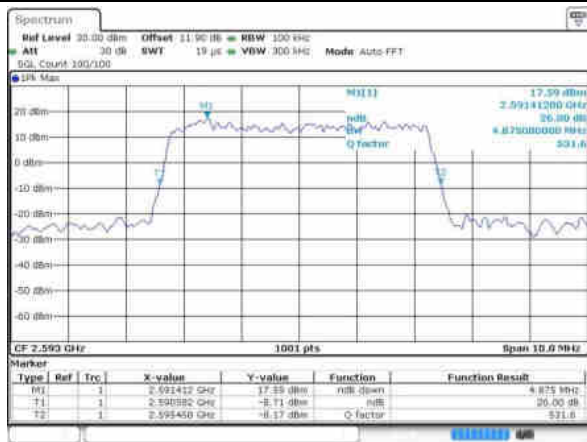
Lowest Channel / 5MHz / QPSK



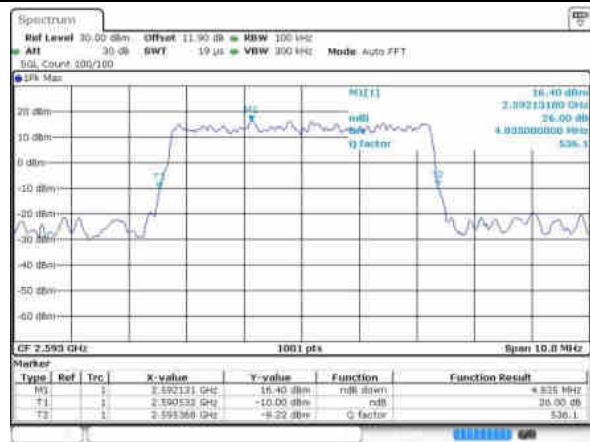
Lowest Channel / 5MHz / 16QAM



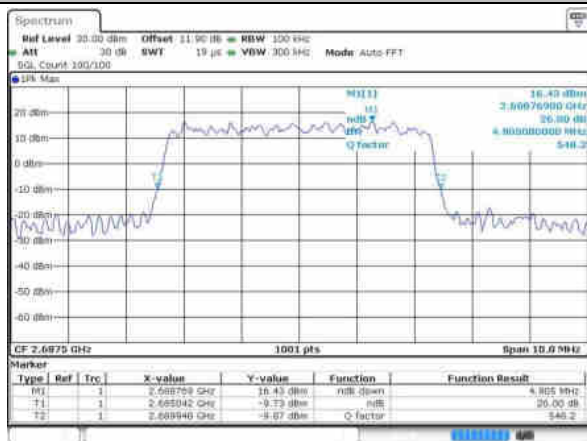
Middle Channel / 5MHz / QPSK



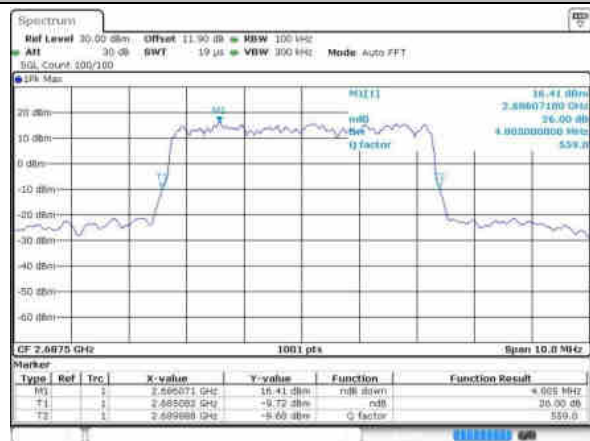
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



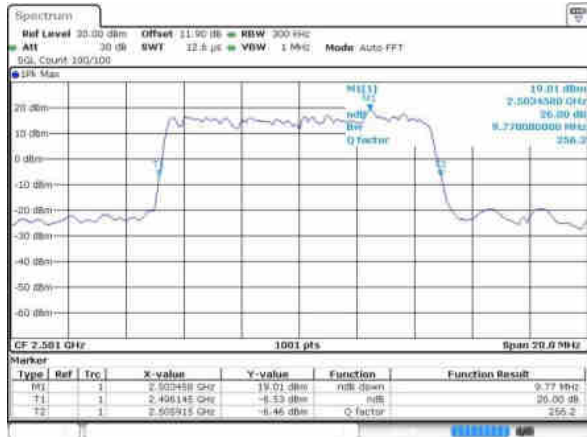
Highest Channel / 5MHz / 16QAM



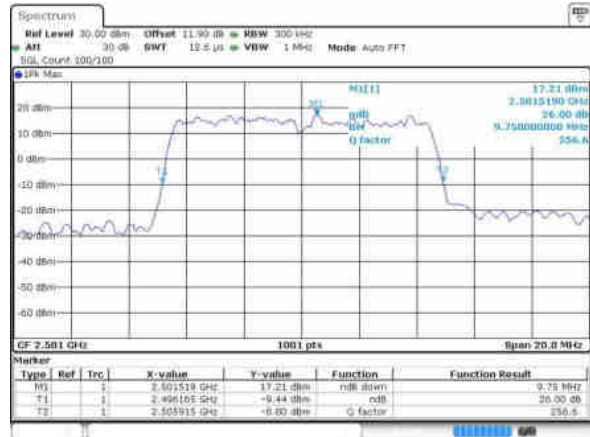


LTE Band 41

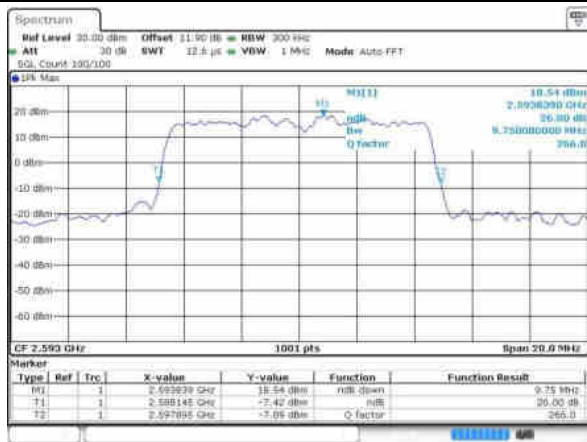
Lowest Channel / 10MHz / QPSK



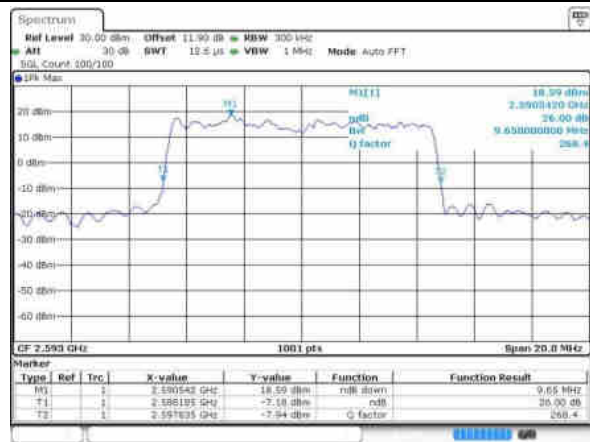
Lowest Channel / 10MHz / 16QAM



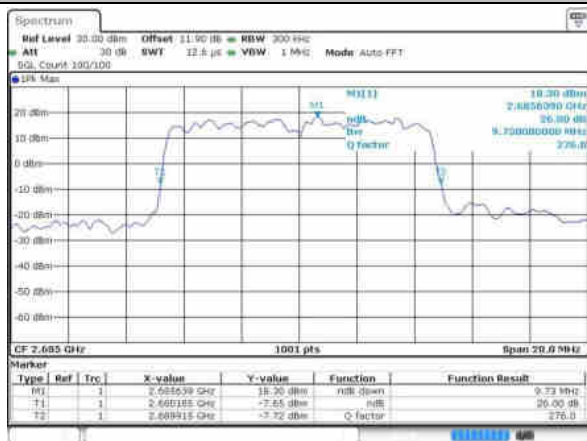
Middle Channel / 10MHz / QPSK



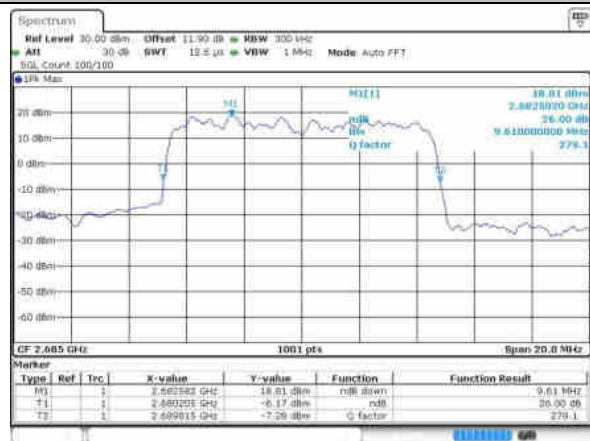
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



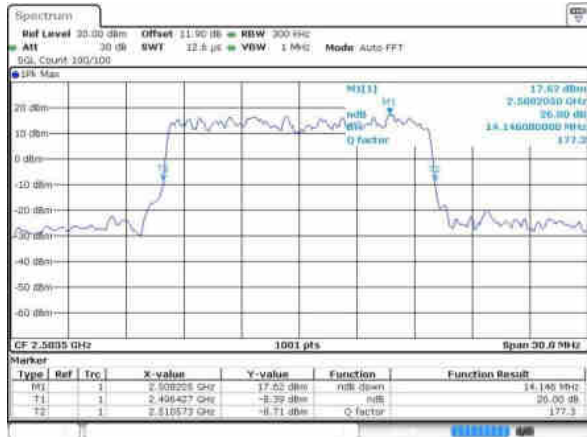
Highest Channel / 10MHz / 16QAM



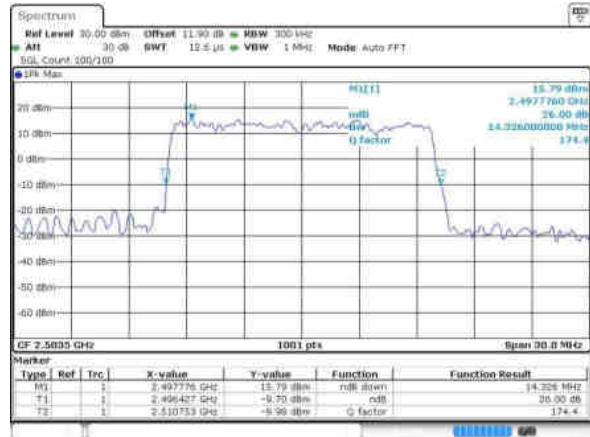


LTE Band 41

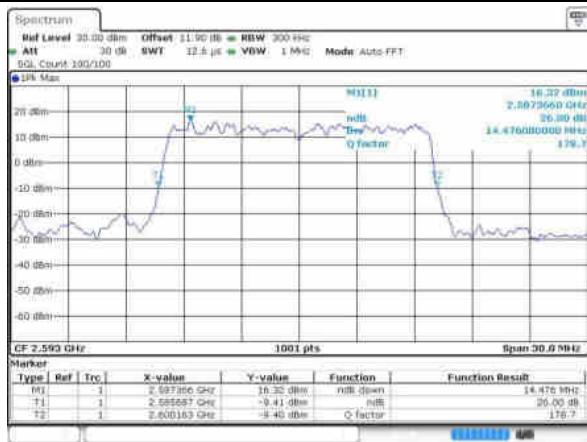
Lowest Channel / 15MHz / QPSK



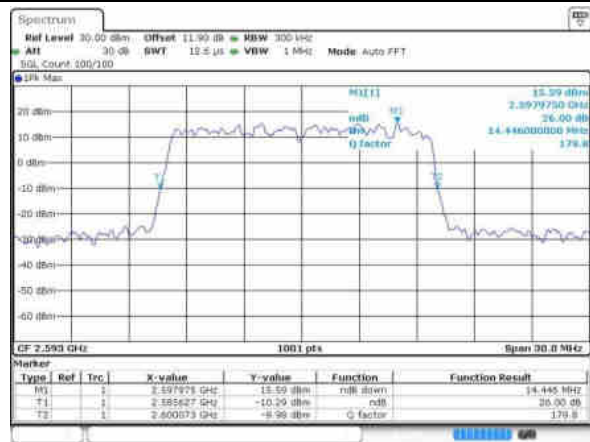
Lowest Channel / 15MHz / 16QAM



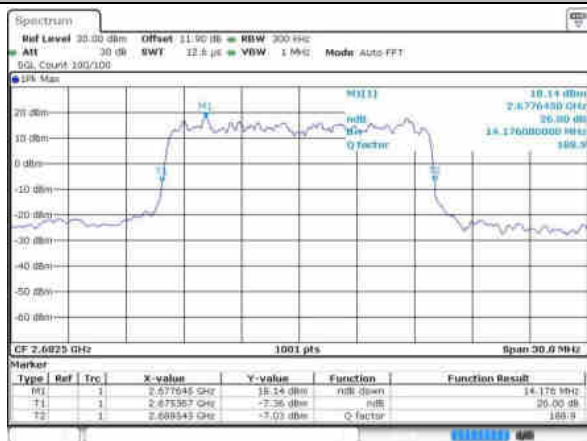
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



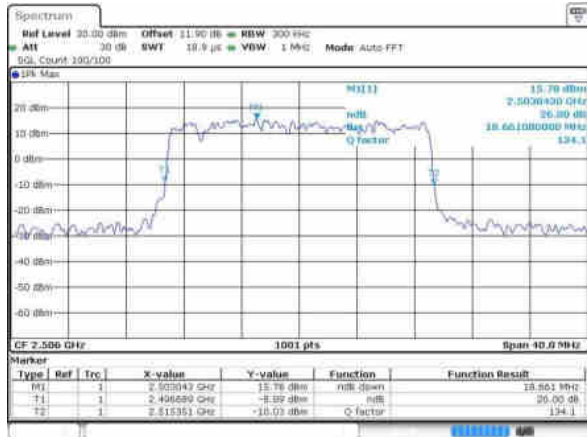
Highest Channel / 15MHz / 16QAM





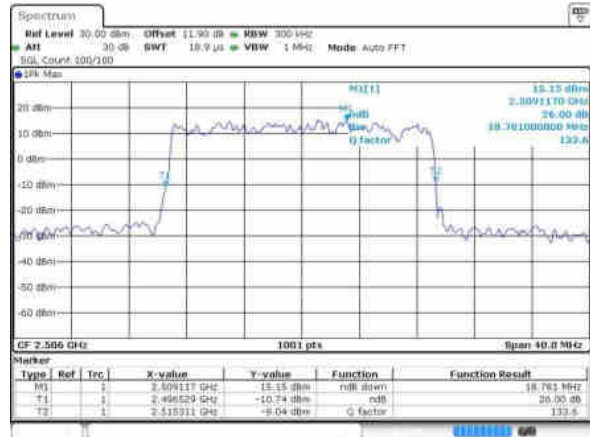
LTE Band 41

Lowest Channel / 20MHz / QPSK



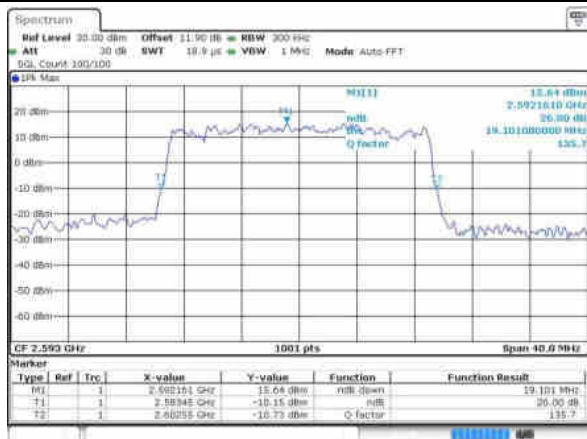
Date: 13 APR 2018 02:30:11

Lowest Channel / 20MHz / 16QAM



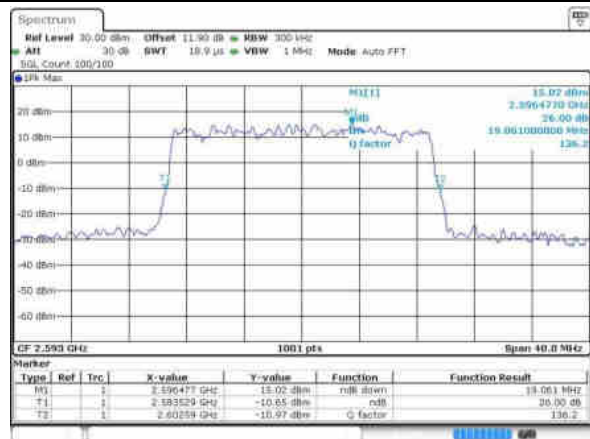
Date: 13 APR 2018 02:30:24

Middle Channel / 20MHz / QPSK



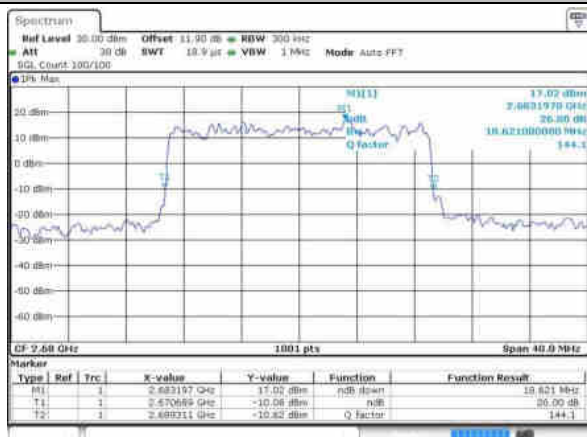
Date: 13 APR 2018 02:30:58

Middle Channel / 20MHz / 16QAM



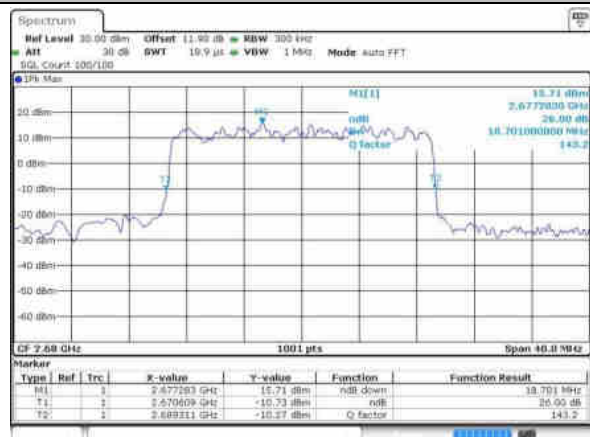
Date: 13 APR 2018 02:31:11

Highest Channel / 20MHz / QPSK



Date: 13 APR 2018 02:31:47

Highest Channel / 20MHz / 16QAM

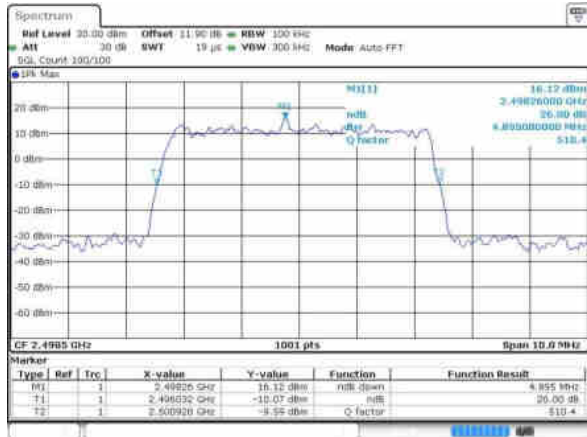


Date: 13 APR 2018 02:32:00

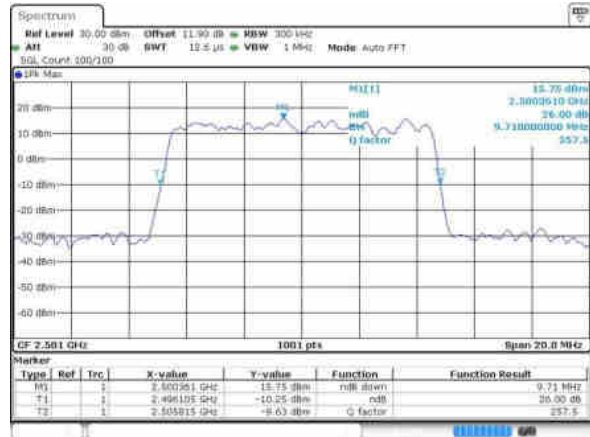


LTE Band 41

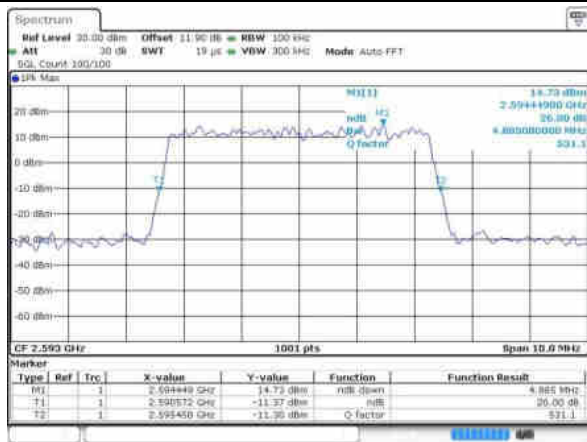
Lowest Channel / 5MHz / 64QAM



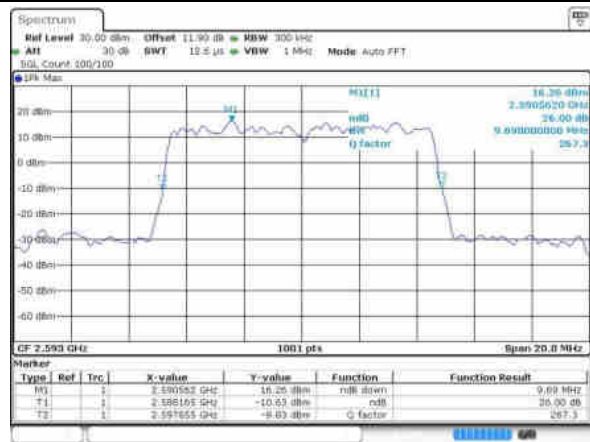
Lowest Channel / 10MHz / 64QAM



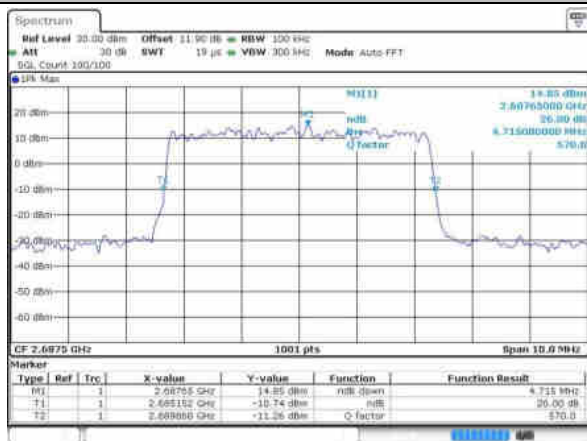
Middle Channel / 5MHz / 64QAM



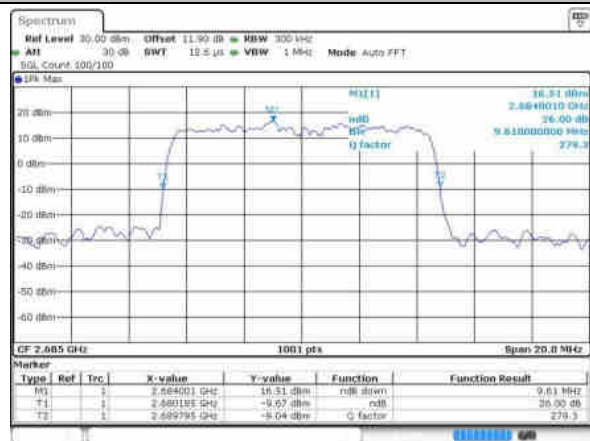
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



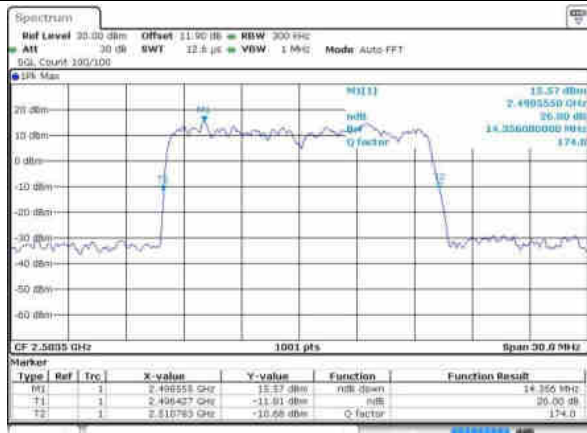
Highest Channel / 10MHz / 64QAM



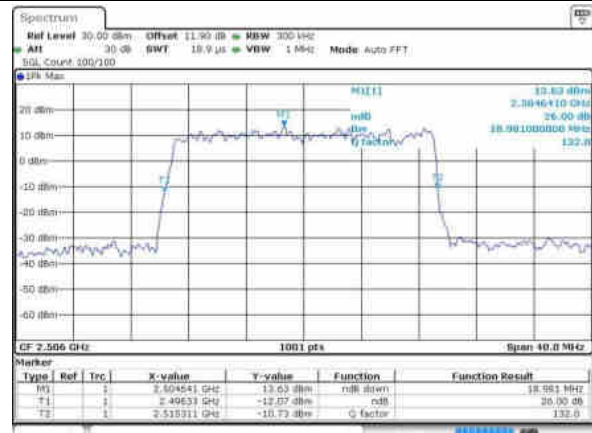


LTE Band 41

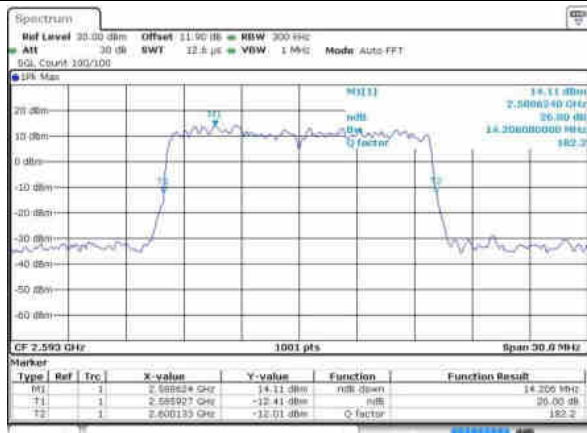
Lowest Channel / 15MHz / 64QAM



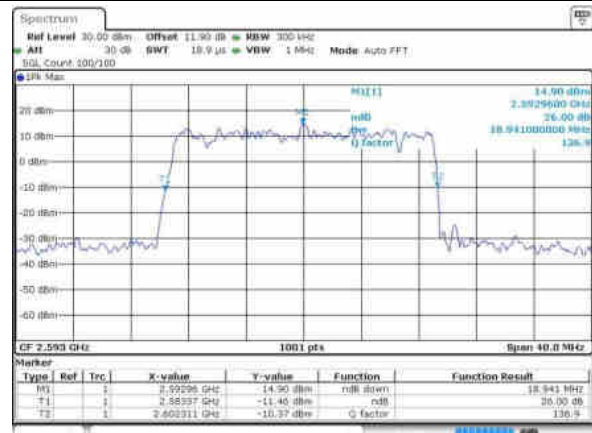
Lowest Channel / 20MHz / 64QAM



Middle Channel / 15MHz / 64QAM



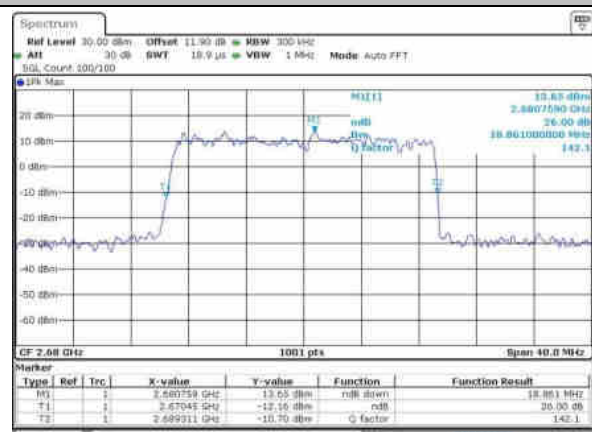
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



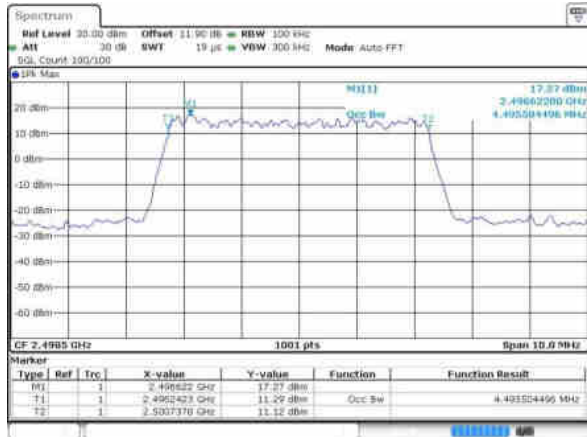
**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.50	9.03	9.05	13.46	13.40	17.86	17.86
Middle CH	-	-	-	-	4.49	4.50	8.97	9.07	13.43	13.52	17.9	17.86
Highest CH	-	-	-	-	4.51	4.50	9.03	8.99	13.46	13.46	17.78	17.86
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	8.95	-	13.46	-	17.86	-
Middle CH	-	-	-	-	4.50	-	9.09	-	13.40	-	17.78	-
Highest CH	-	-	-	-	4.51	-	9.07	-	13.40	-	17.82	-

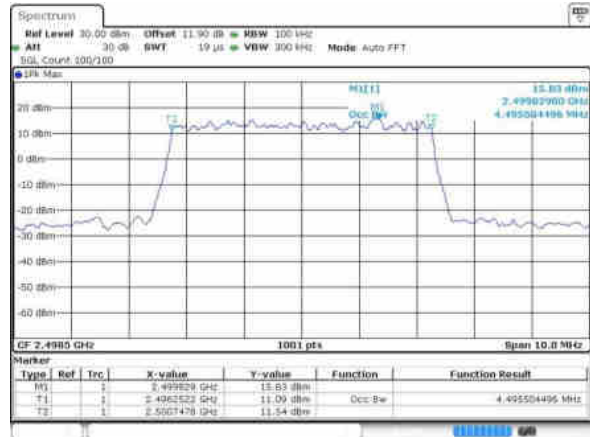


LTE Band 41

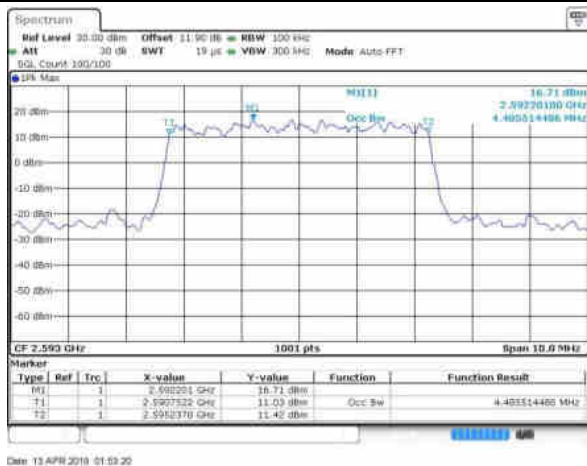
Lowest Channel / 5MHz / QPSK



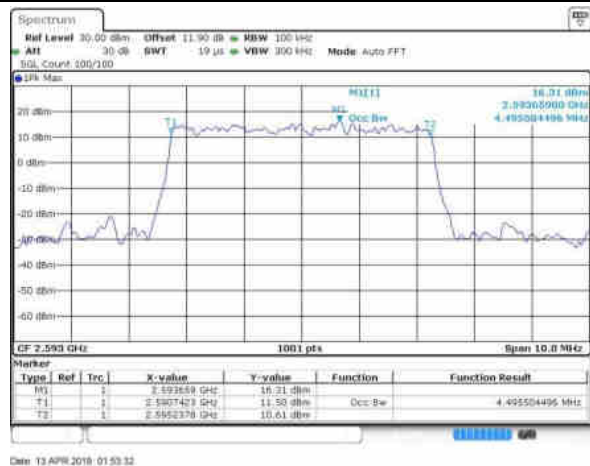
Lowest Channel / 5MHz / 16QAM



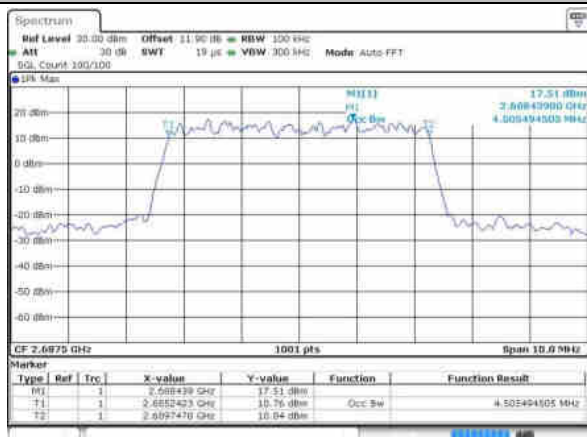
Middle Channel / 5MHz / QPSK



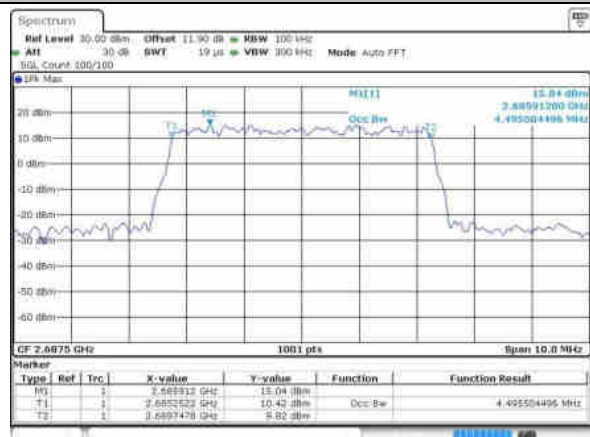
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



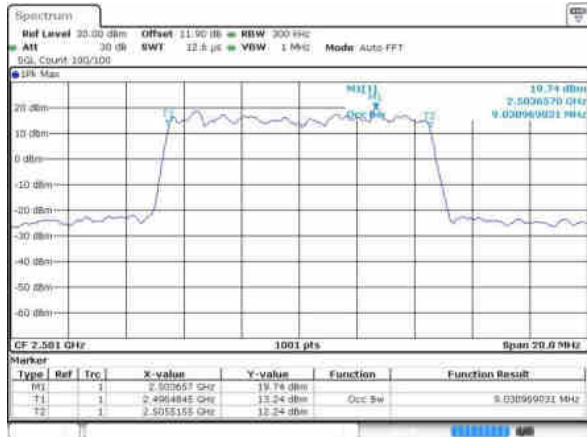
Highest Channel / 5MHz / 16QAM



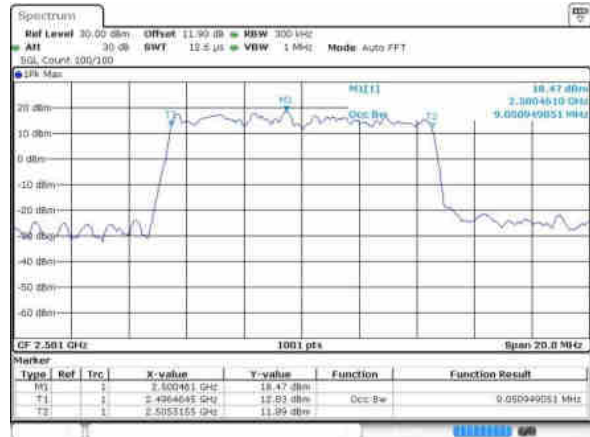


LTE Band 41

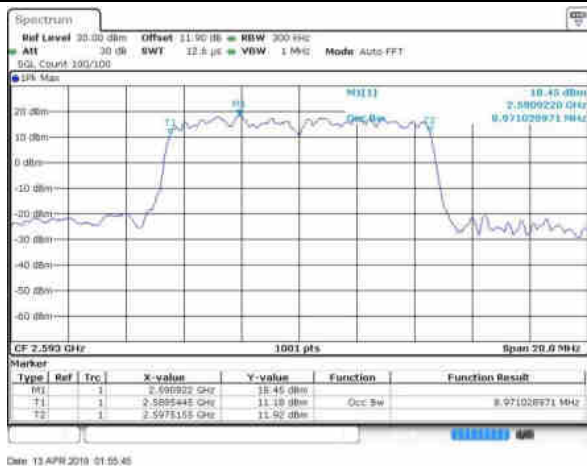
Lowest Channel / 10MHz / QPSK



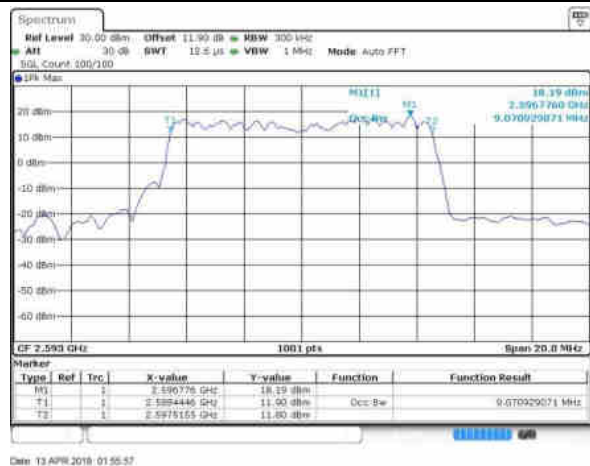
Lowest Channel / 10MHz / 16QAM



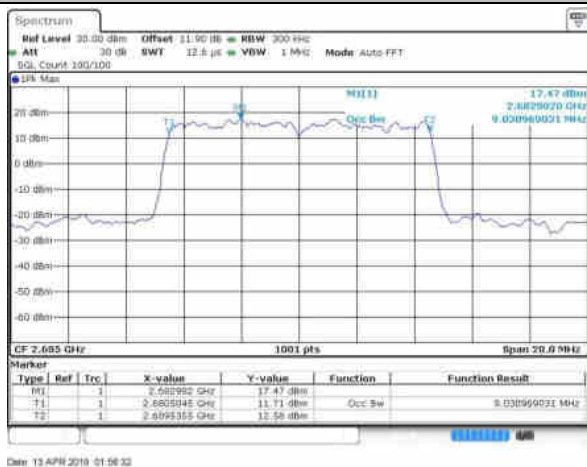
Middle Channel / 10MHz / QPSK



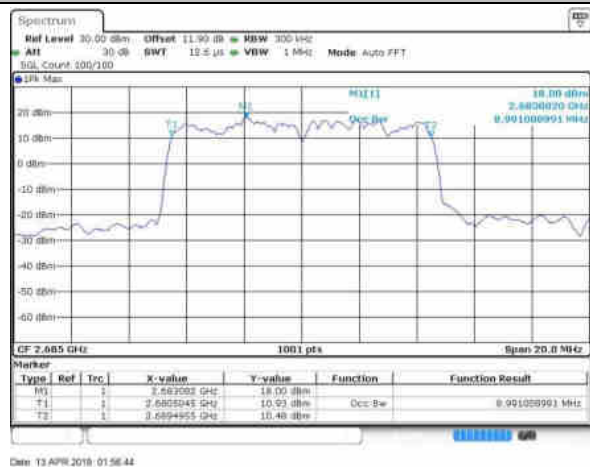
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



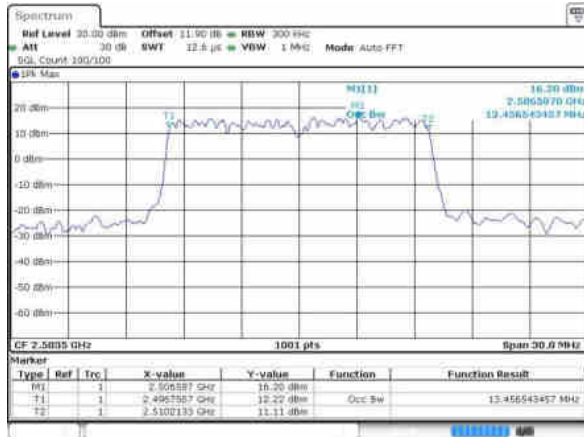
Highest Channel / 10MHz / 16QAM



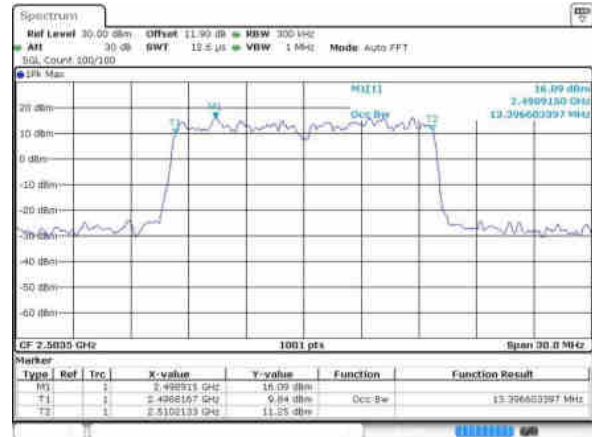


LTE Band 41

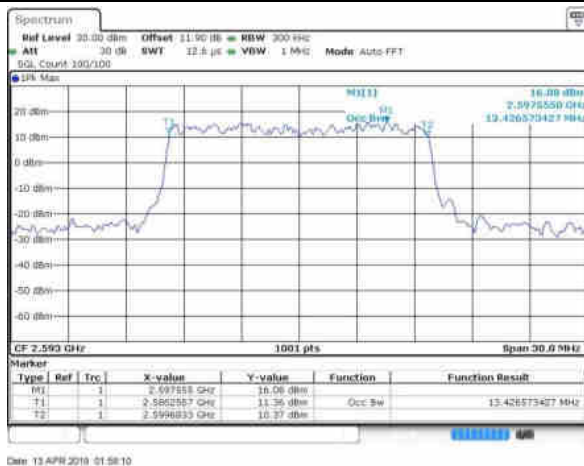
Lowest Channel / 15MHz / QPSK



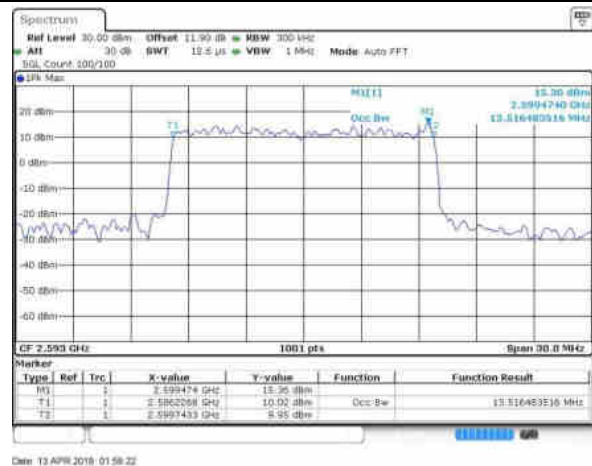
Lowest Channel / 15MHz / 16QAM



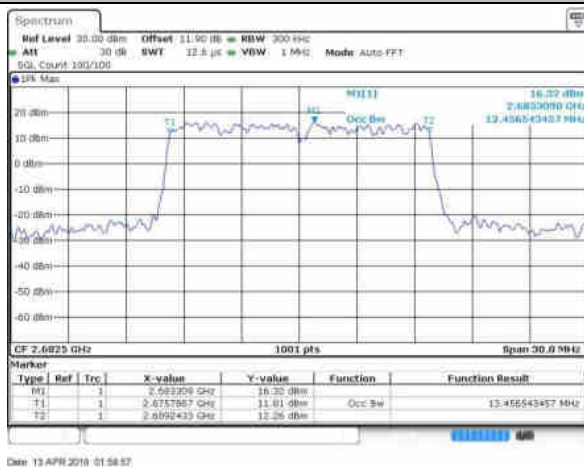
Middle Channel / 15MHz / QPSK



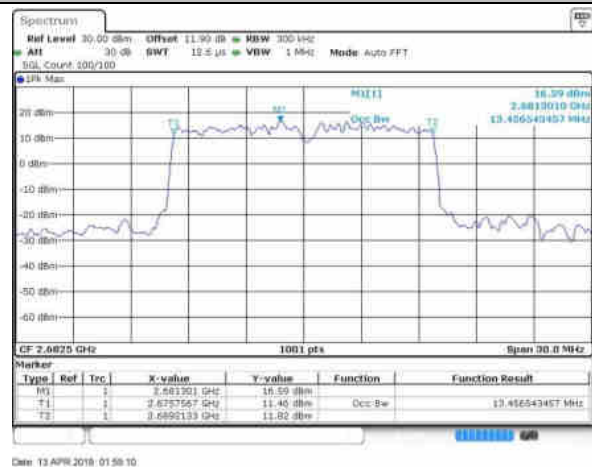
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



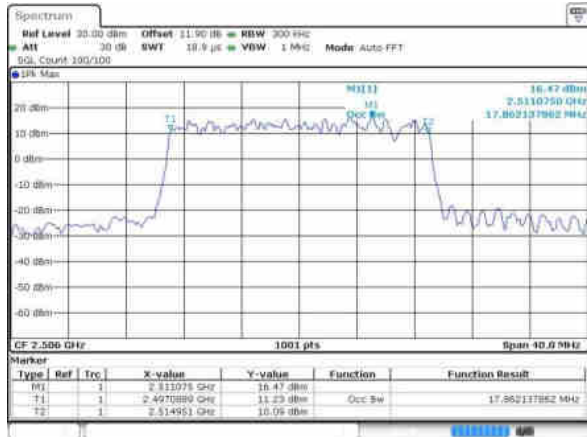
Highest Channel / 15MHz / 16QAM



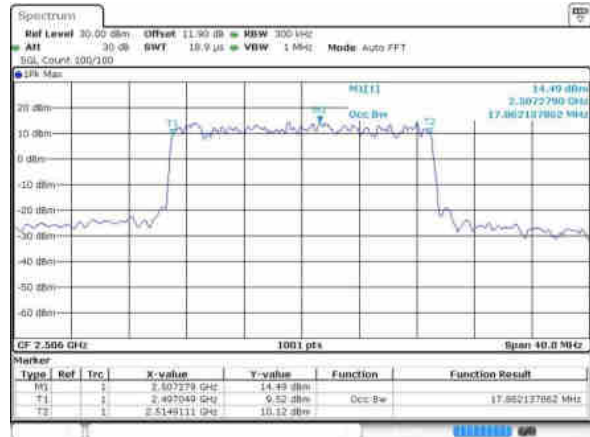


LTE Band 41

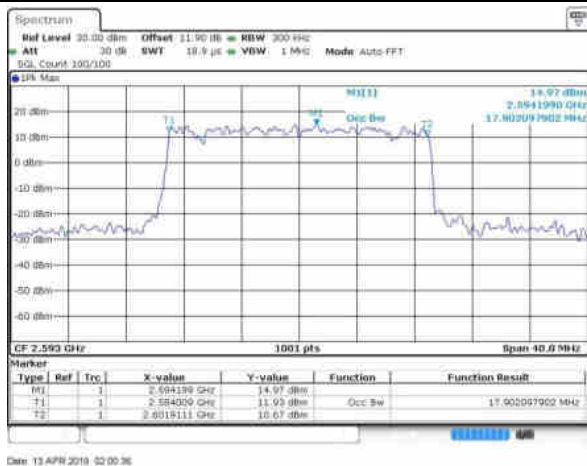
Lowest Channel / 20MHz / QPSK



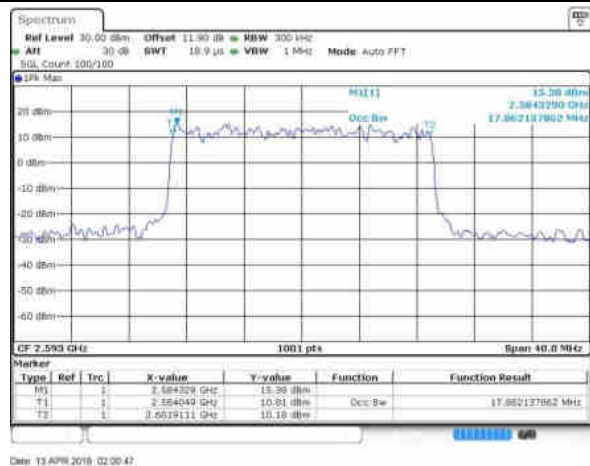
Lowest Channel / 20MHz / 16QAM



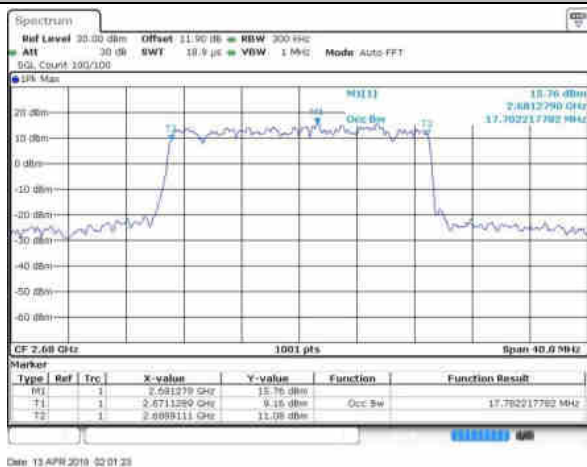
Middle Channel / 20MHz / QPSK



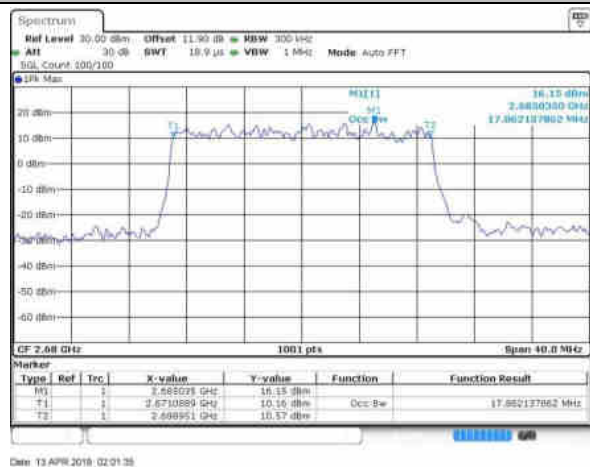
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



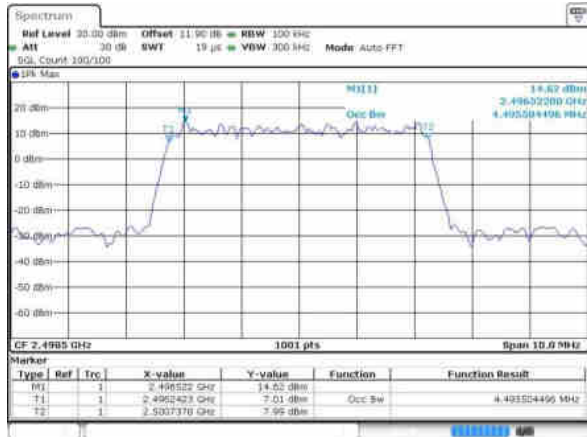
Highest Channel / 20MHz / 16QAM



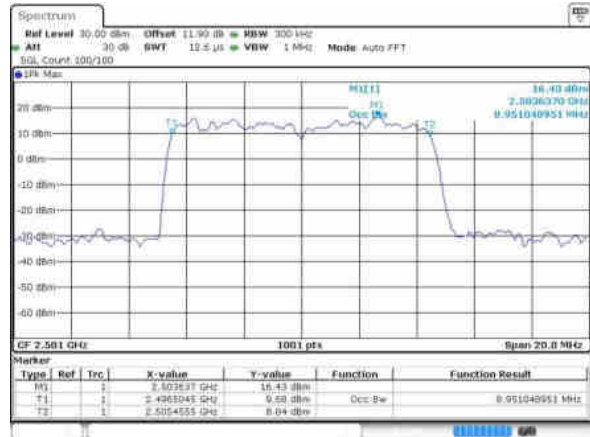


LTE Band 41

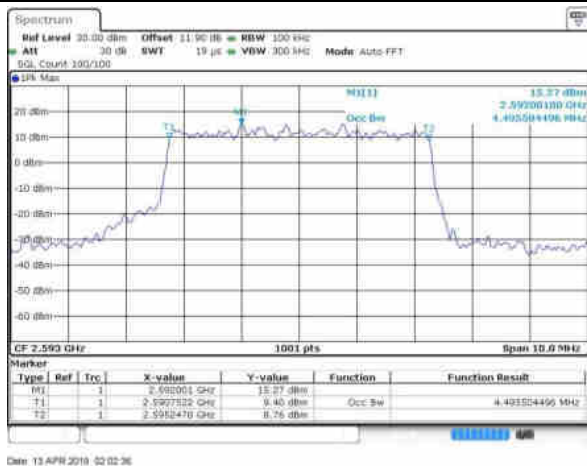
Lowest Channel / 5MHz / 64QAM



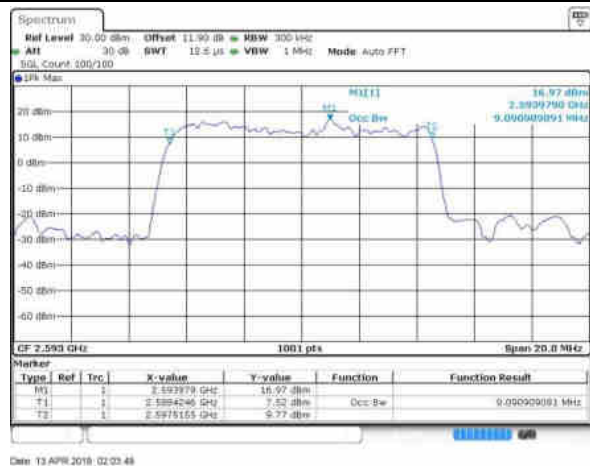
Lowest Channel / 10MHz / 64QAM



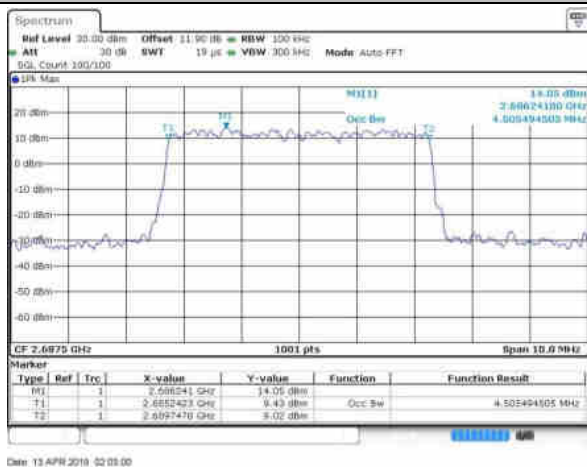
Middle Channel / 5MHz / 64QAM



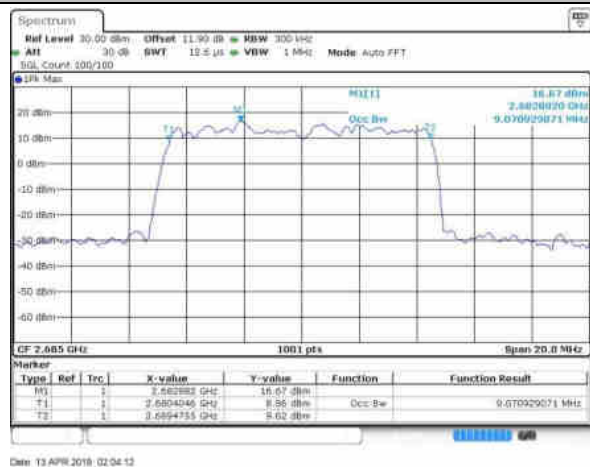
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



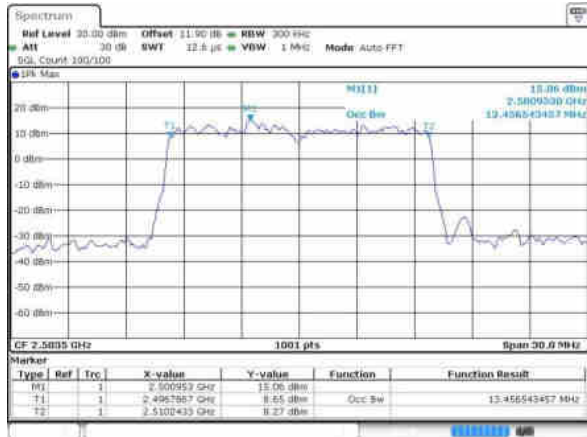
Highest Channel / 10MHz / 64QAM



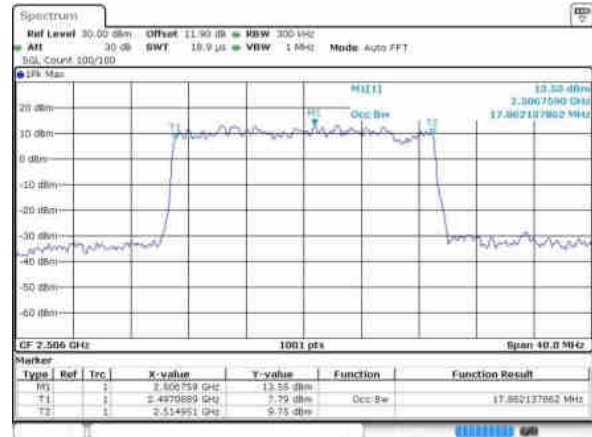


LTE Band 41

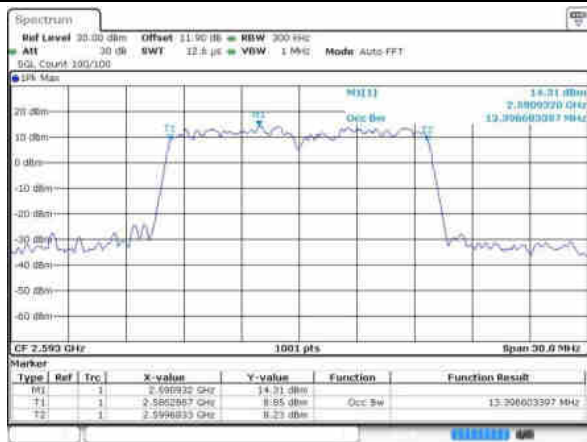
Lowest Channel / 15MHz / 64QAM



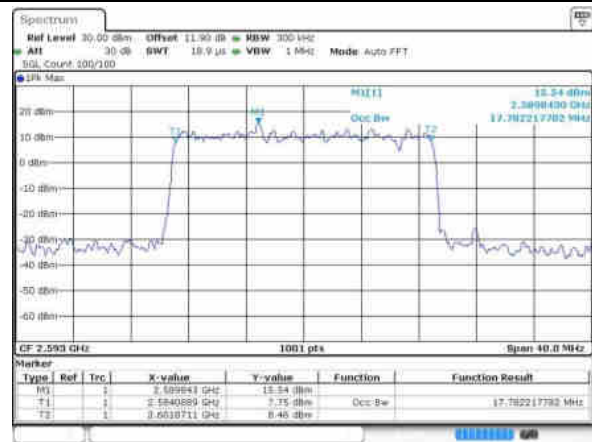
Lowest Channel / 20MHz / 64QAM



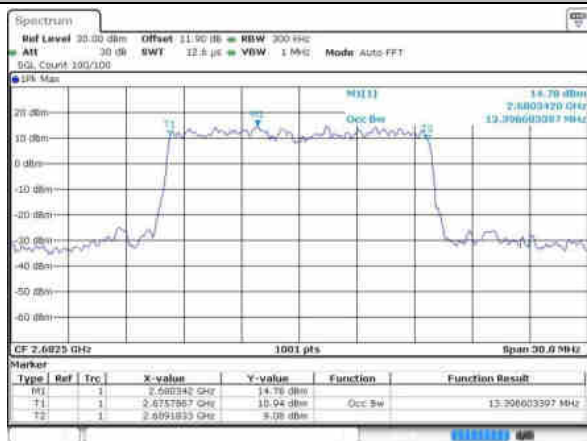
Middle Channel / 15MHz / 64QAM



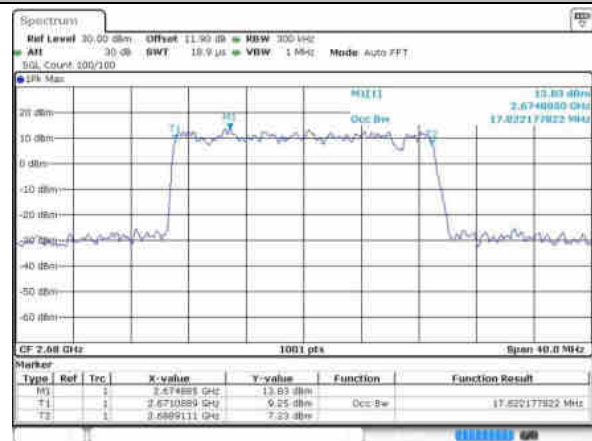
Middle Channel / 20MHz / 64QAM

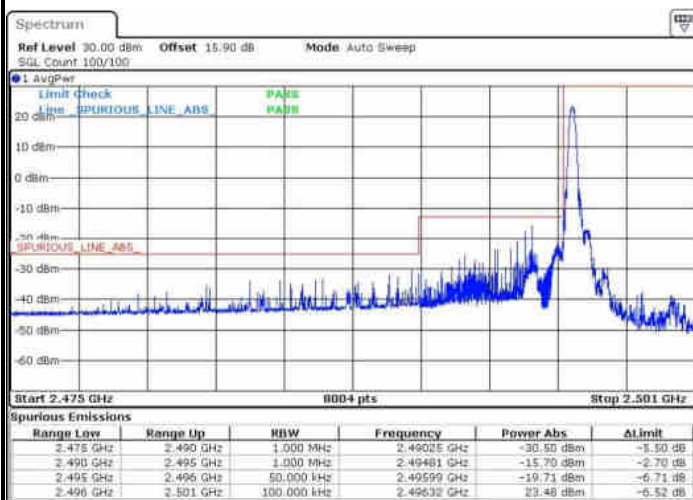
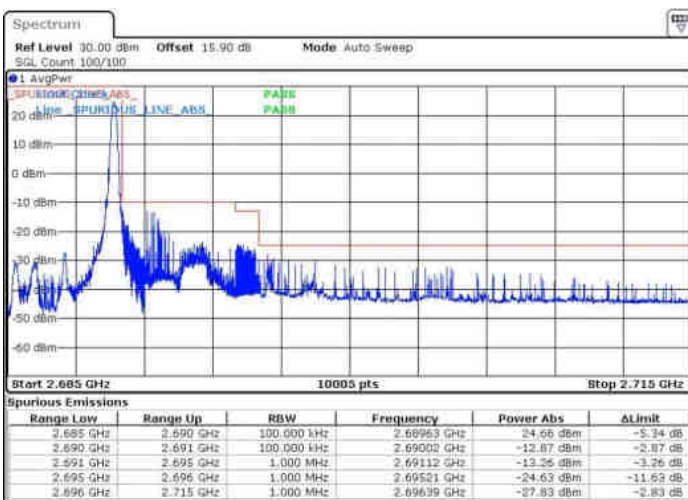
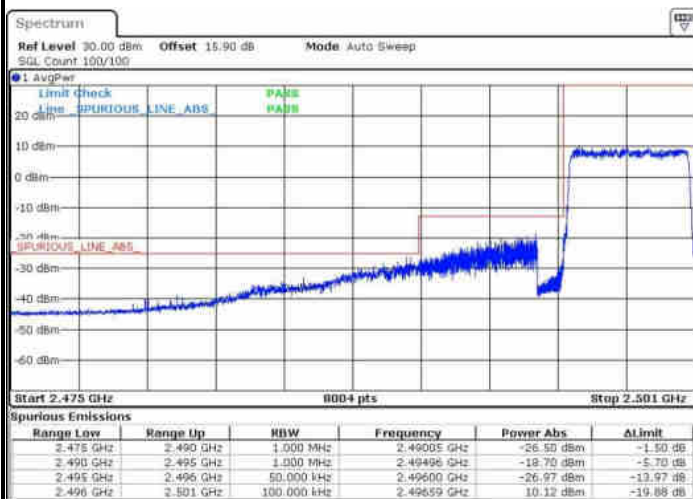
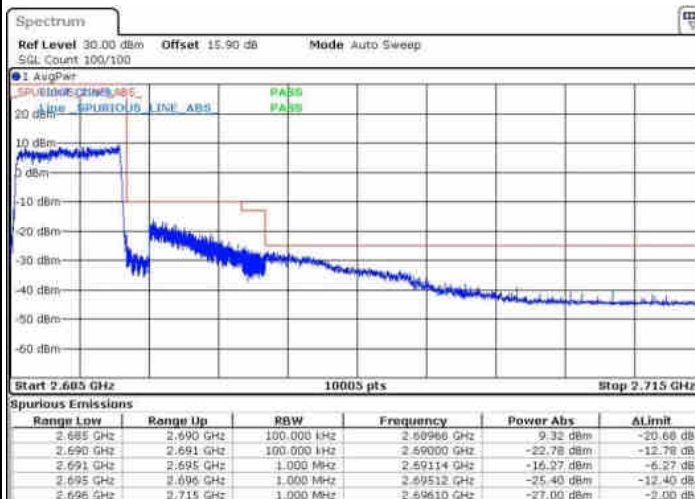


Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

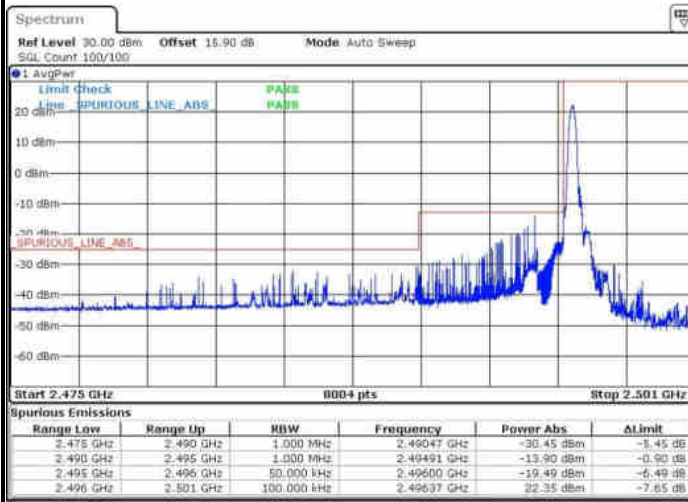


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



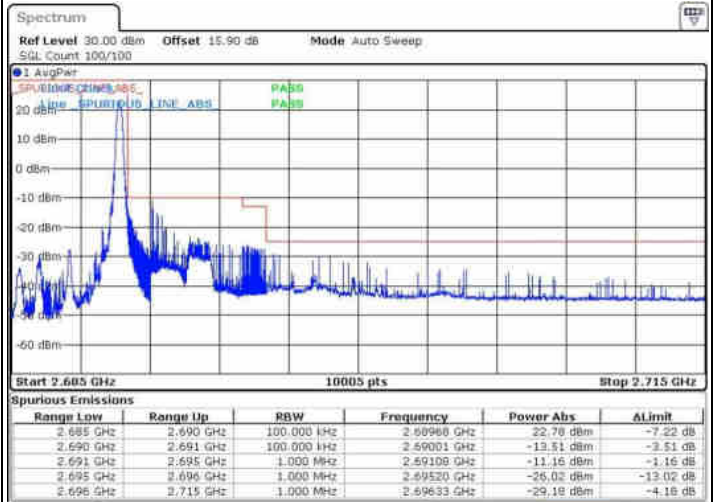
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



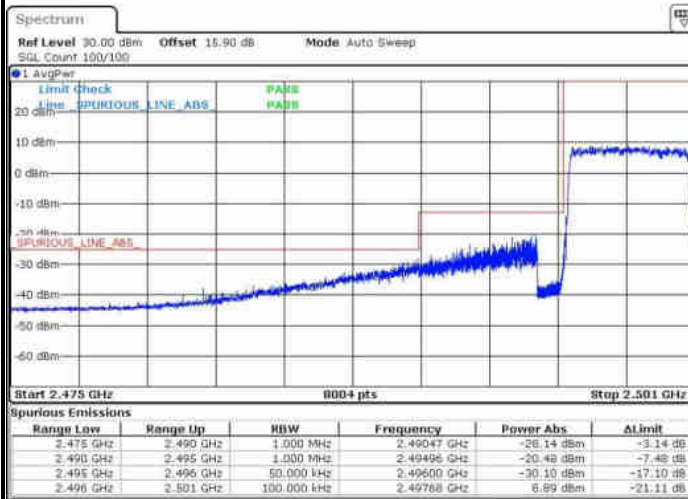
Date: 13 APR 2019 00:17:48

Highest Band Edge / 1 RB



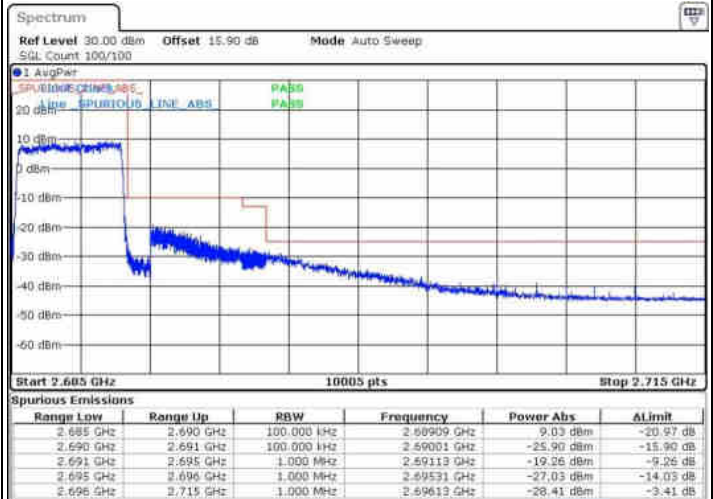
Date: 13 APR 2019 02:13:49

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:19:51

Highest Band Edge / Full RB

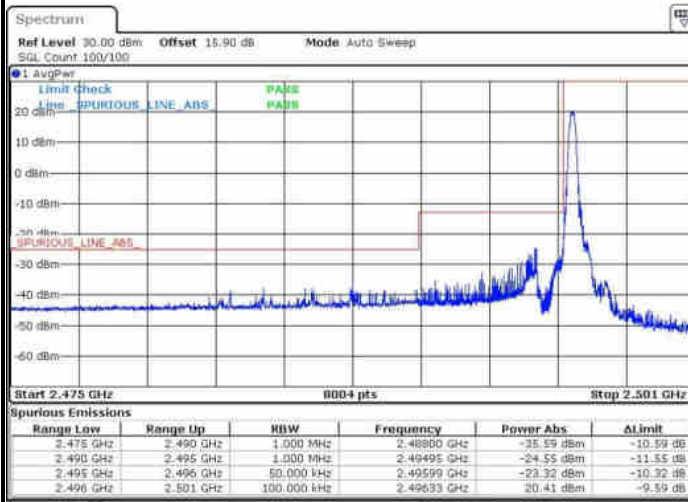


Date: 13 APR 2019 00:23:56



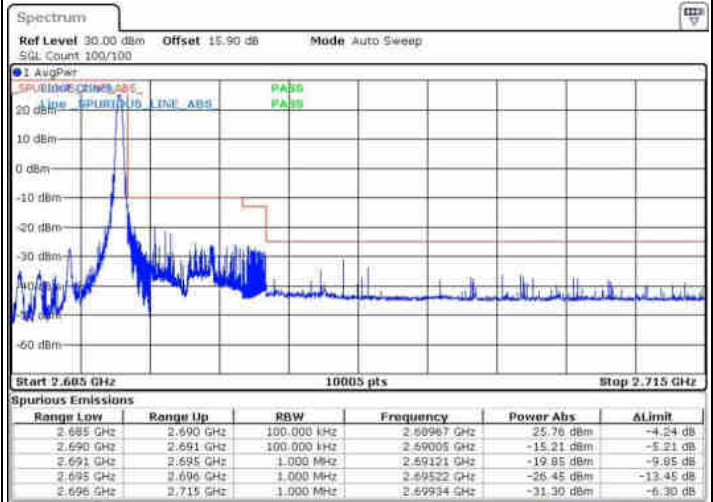
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



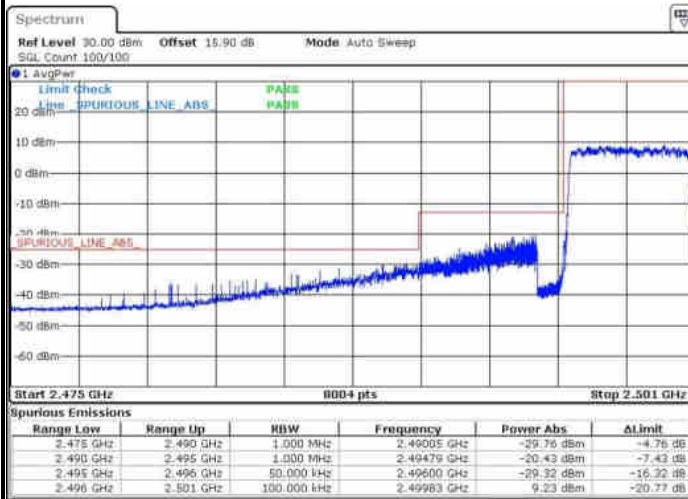
Date: 13 APR 2019 02:12:45

Highest Band Edge / 1 RB



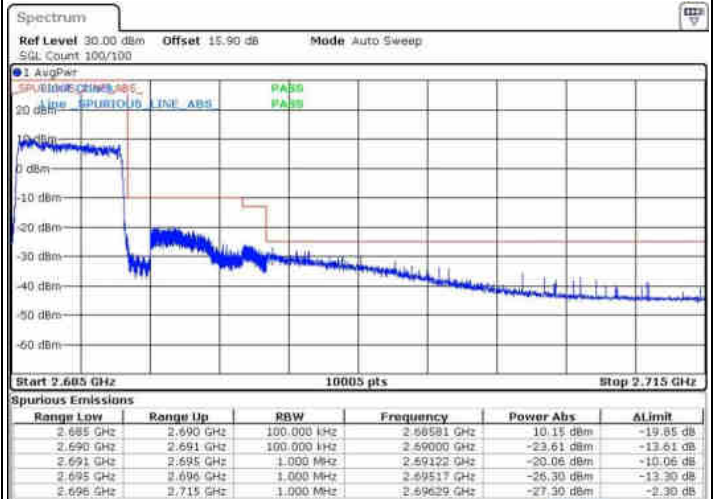
Date: 13 APR 2019 00:51:40

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:50:39

Highest Band Edge / Full RB

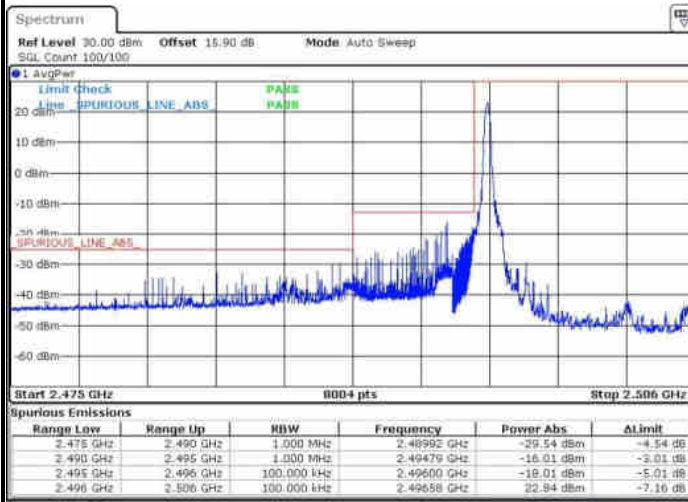


Date: 13 APR 2019 00:52:41



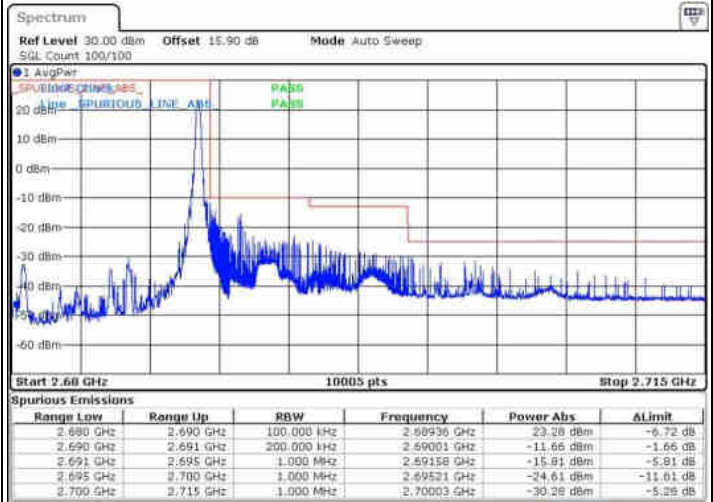
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



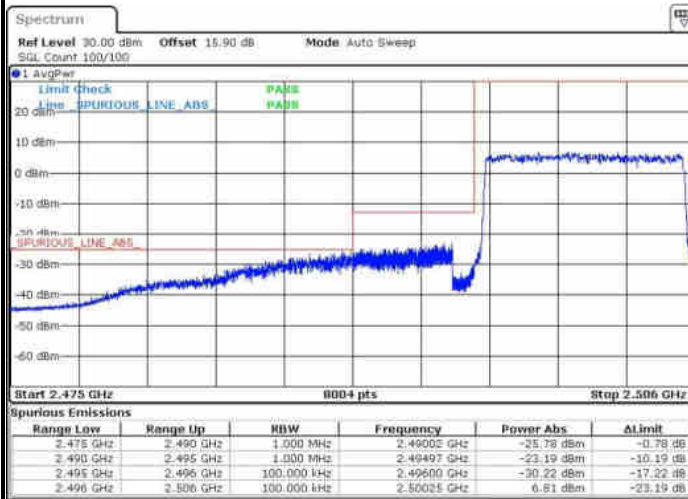
Date: 13 APR 2019 02:18:32

Highest Band Edge / 1 RB



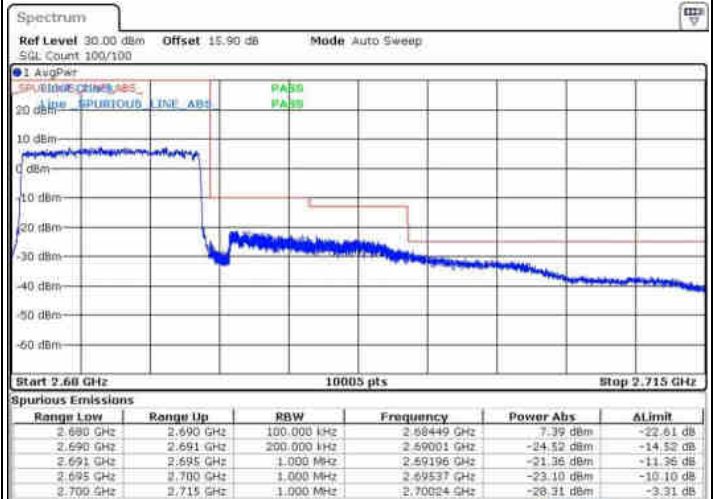
Date: 13 APR 2019 00:29:05

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:27:02

Highest Band Edge / Full RB

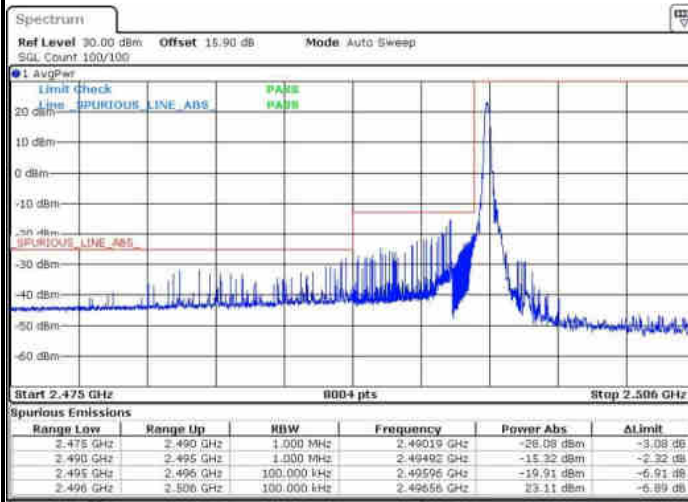


Date: 13 APR 2019 00:31:08



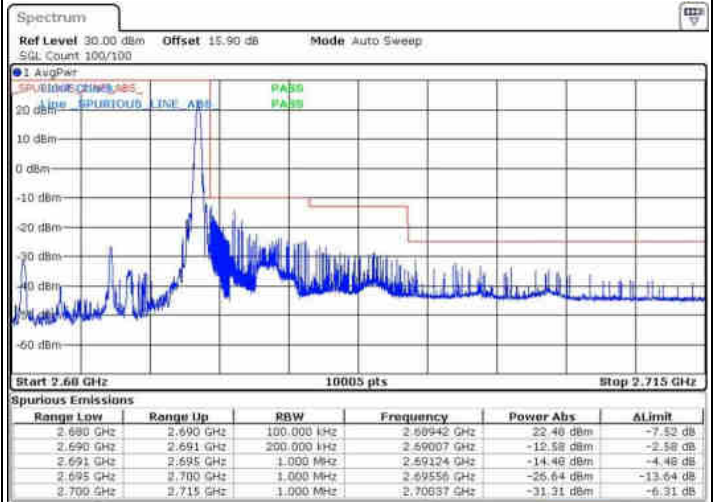
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



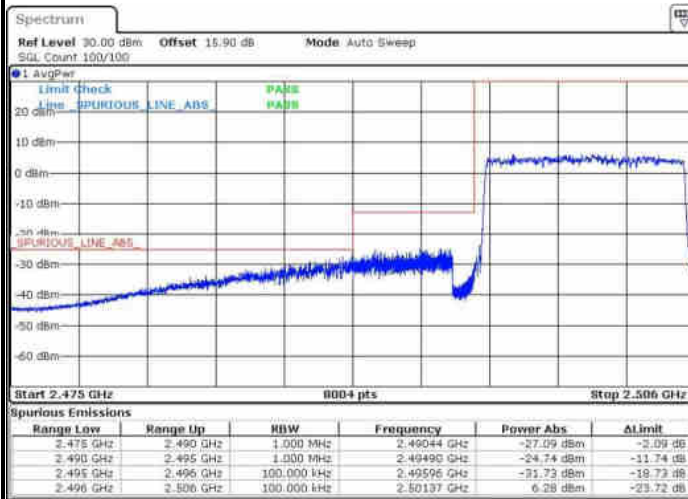
Date: 13 APR 2019 00:28:01

Highest Band Edge / 1 RB



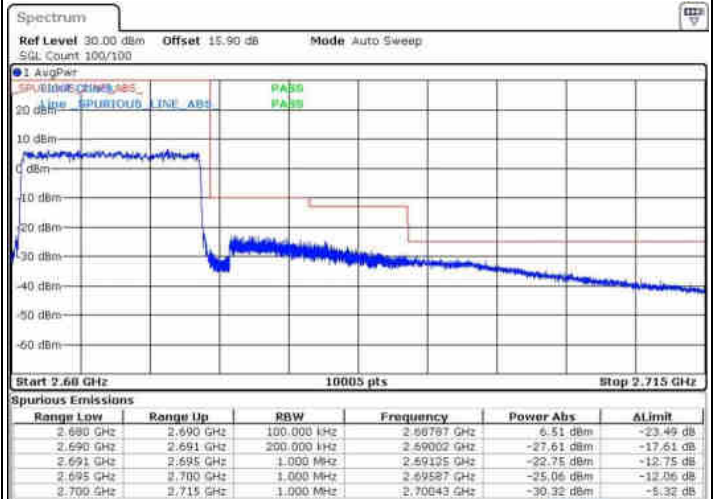
Date: 13 APR 2019 00:30:07

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:28:04

Highest Band Edge / Full RB

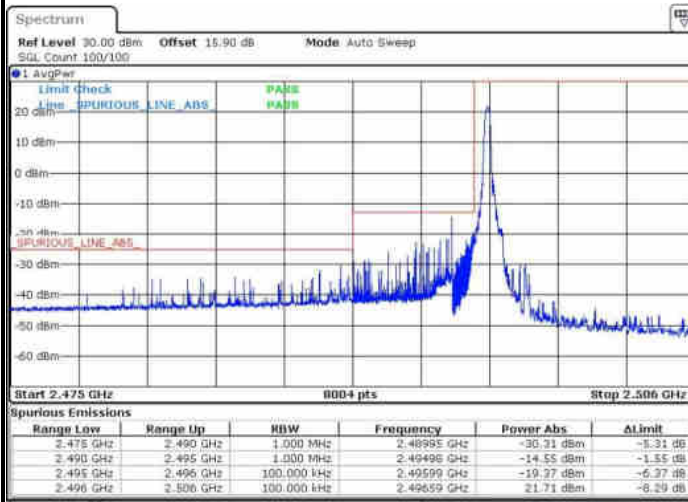


Date: 13 APR 2019 00:32:09



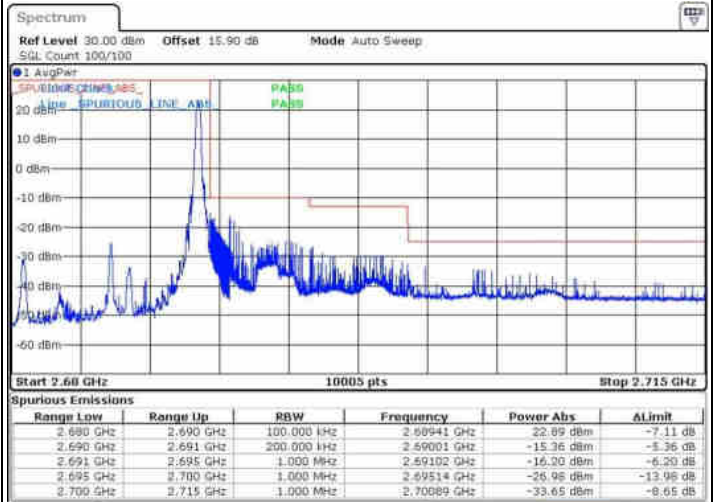
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



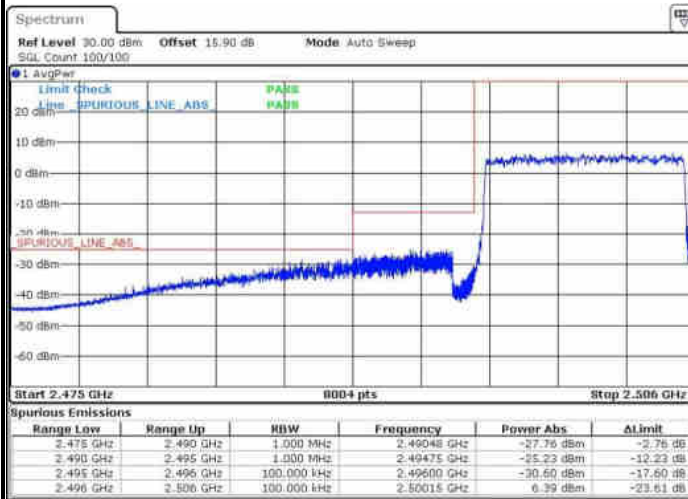
Date: 13 APR 2019 00:53:43

Highest Band Edge / 1 RB



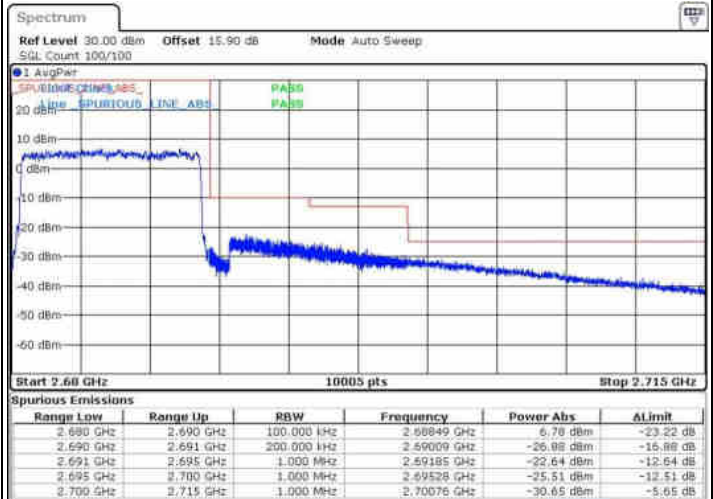
Date: 13 APR 2019 00:55:48

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:54:45

Highest Band Edge / Full RB

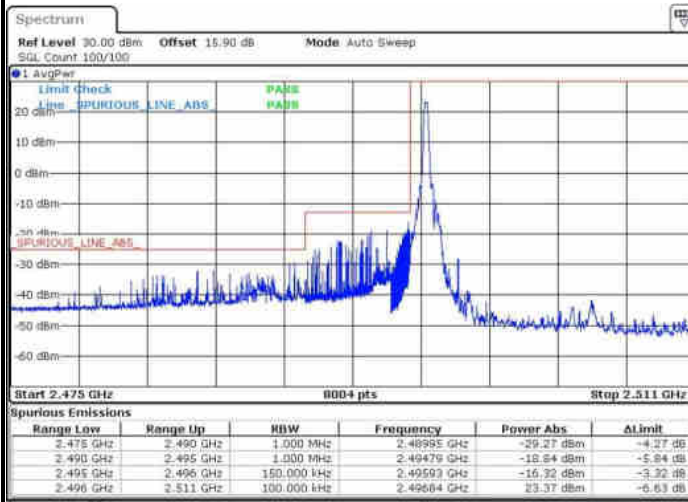


Date: 13 APR 2019 00:56:48



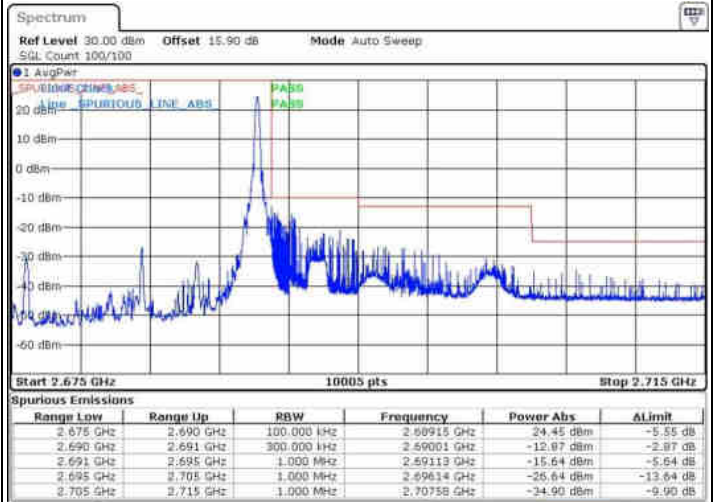
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



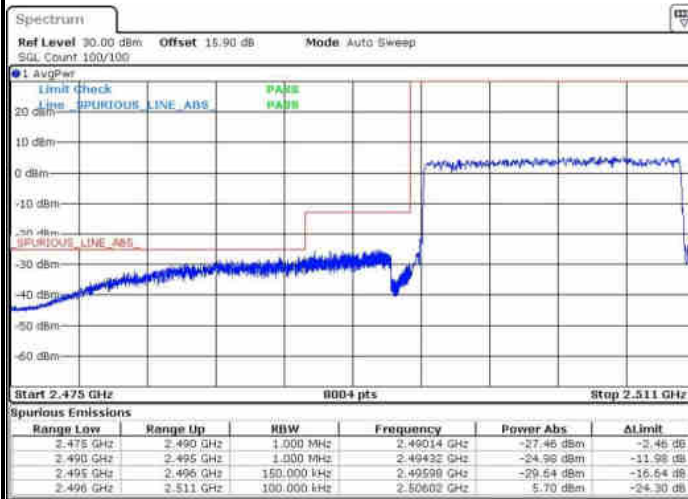
Date: 13 APR 2019 00:33:12

Highest Band Edge / 1 RB



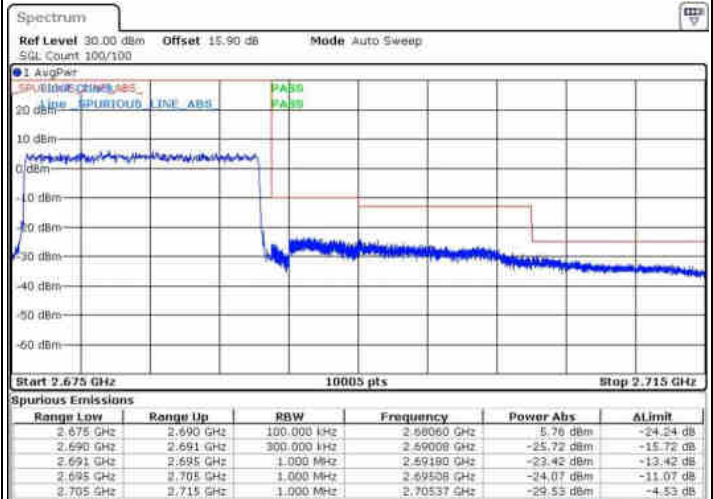
Date: 13 APR 2019 00:37:18

Lowest Band Edge / Full RB



Date: 13 APR 2019 00:35:15

Highest Band Edge / Full RB

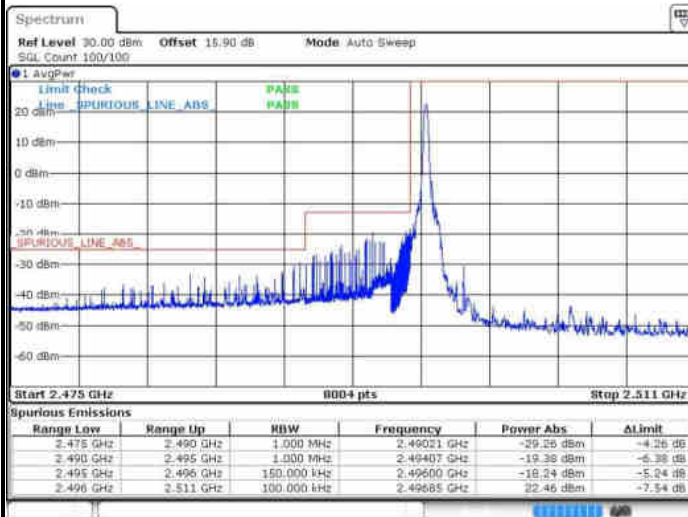


Date: 13 APR 2019 00:39:21



LTE Band 41 / 15MHz / 16QAM

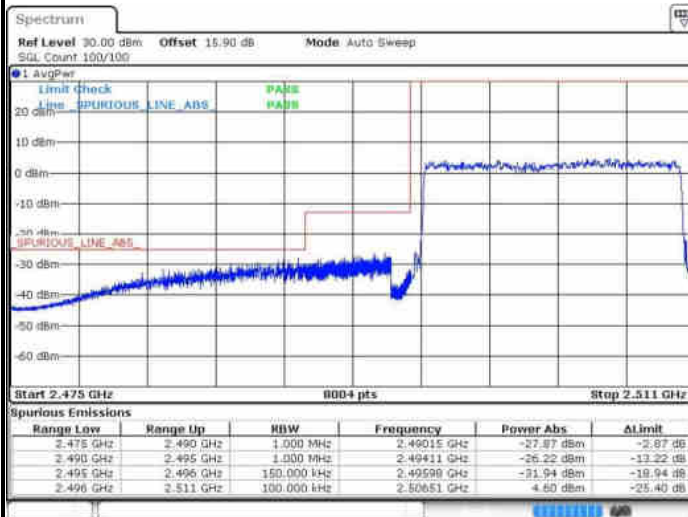
Lowest Band Edge / 1 RB



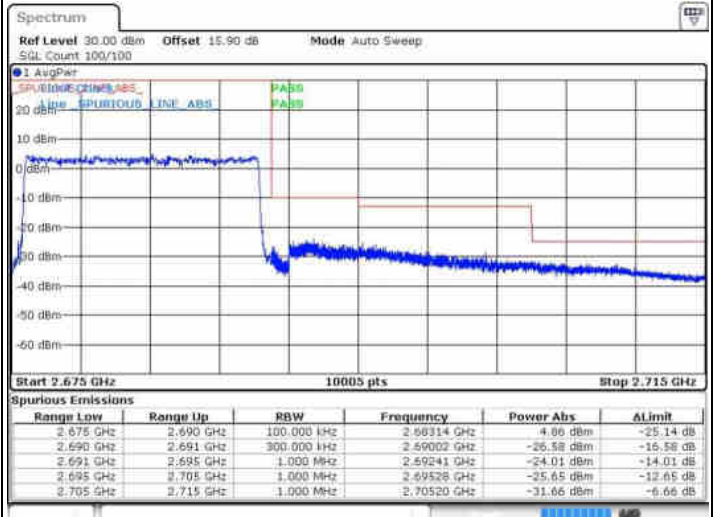
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



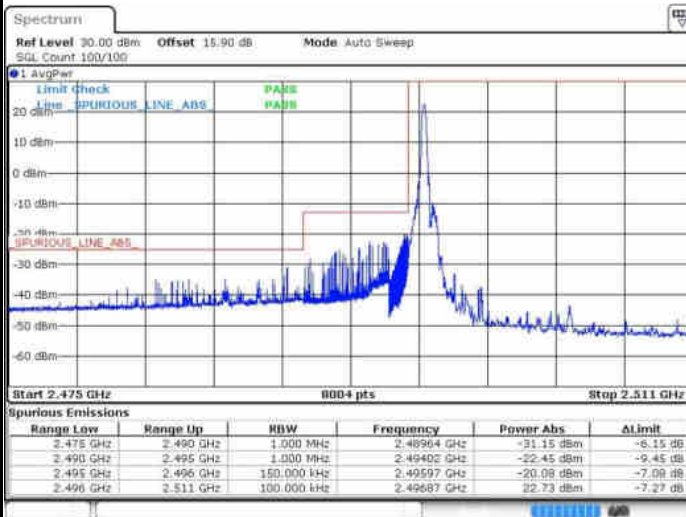
Highest Band Edge / Full RB





LTE Band 41 / 15MHz / 64QAM

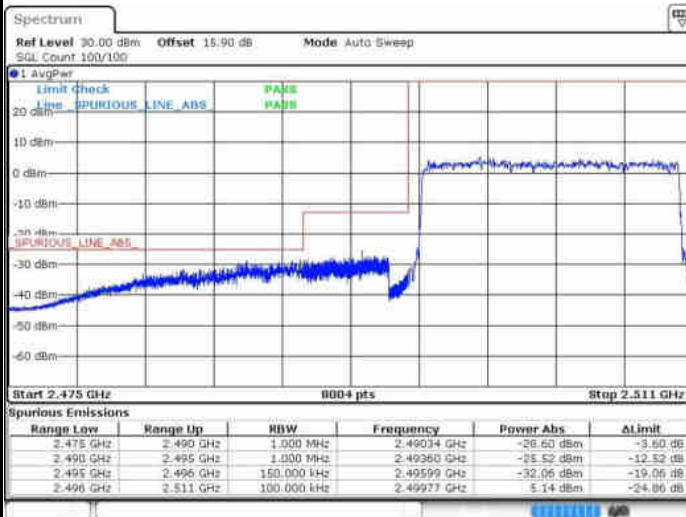
Lowest Band Edge / 1 RB



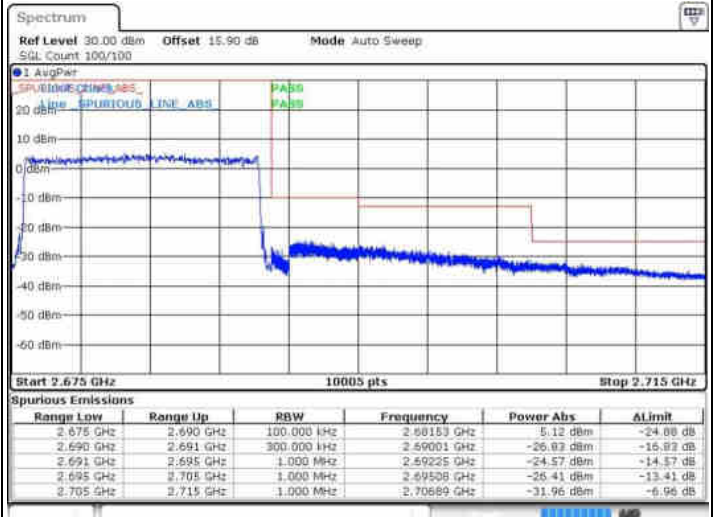
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



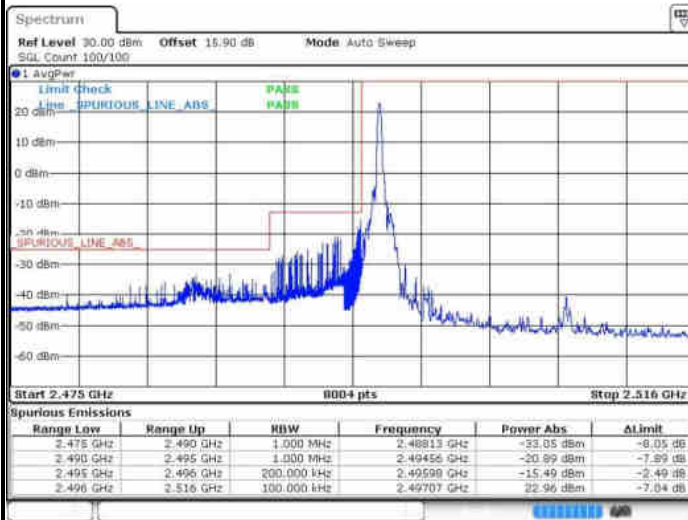
Highest Band Edge / Full RB



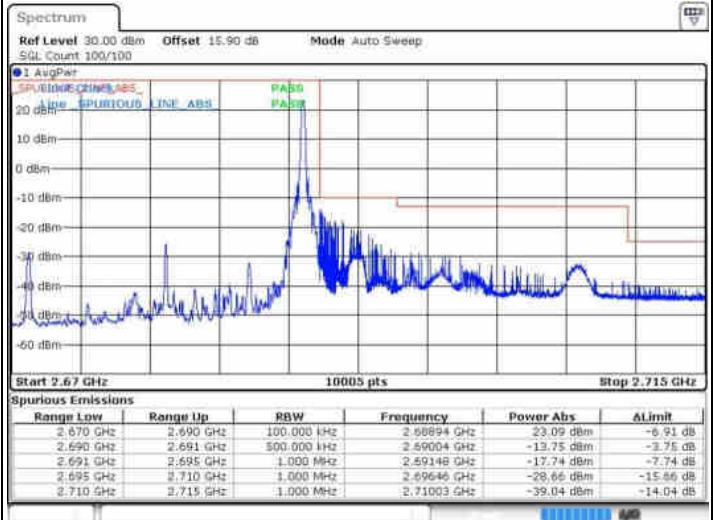


LTE Band 41 / 20MHz / QPSK

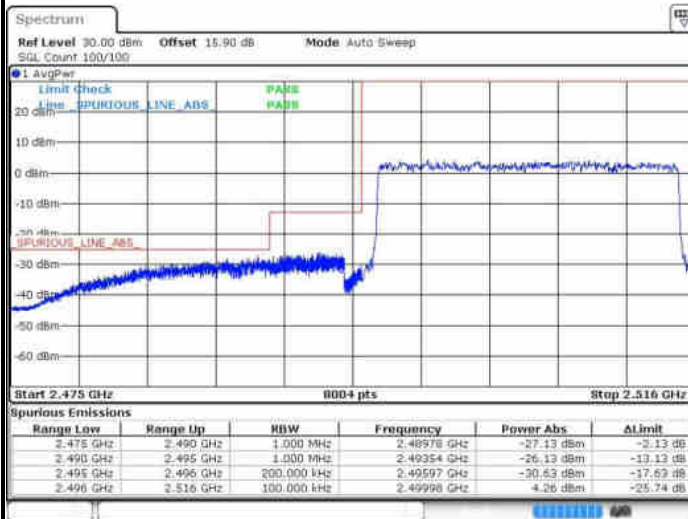
Lowest Band Edge / 1 RB



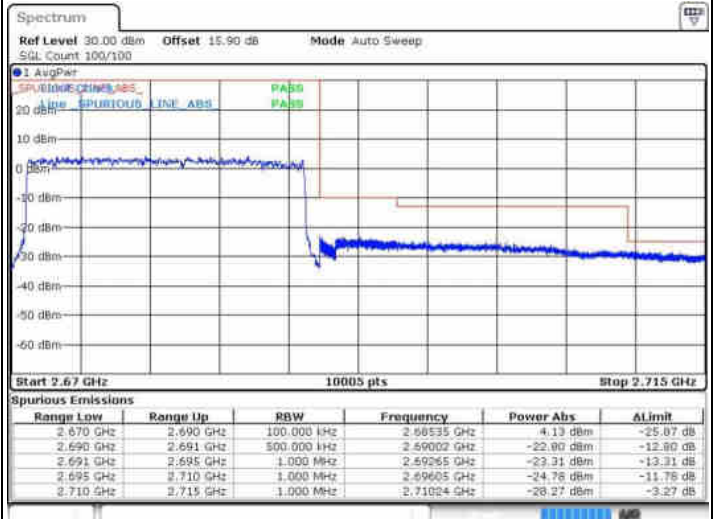
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



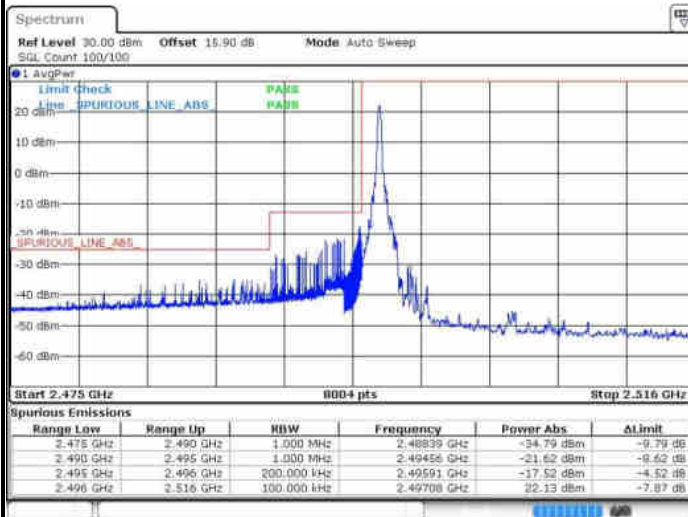
Highest Band Edge / Full RB



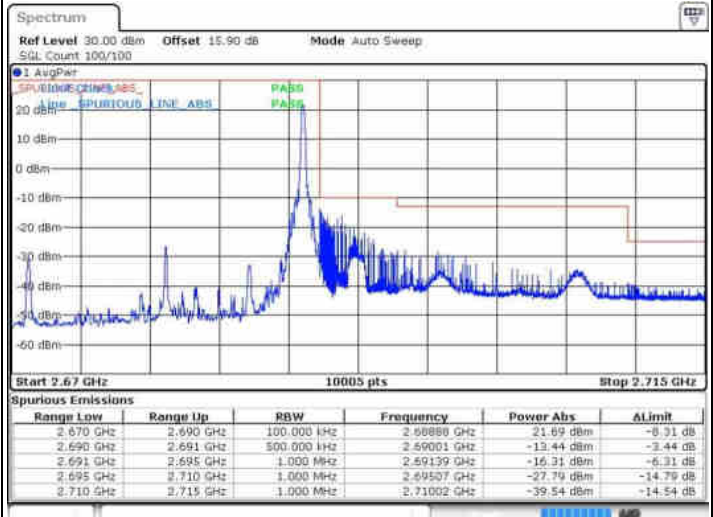


LTE Band 41 / 20MHz / 16QAM

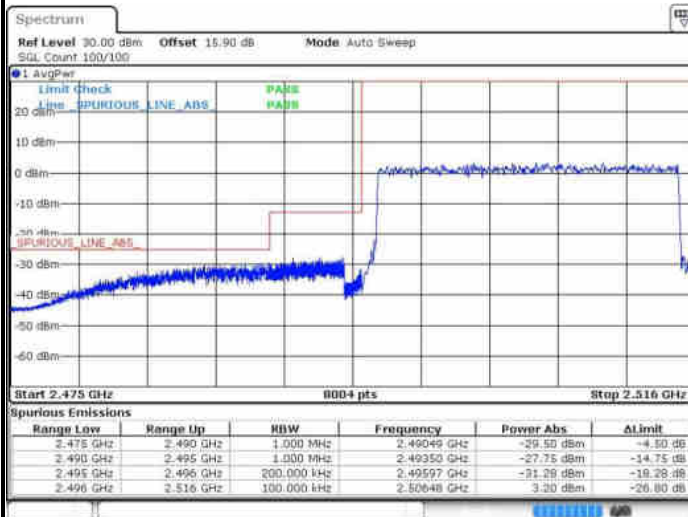
Lowest Band Edge / 1 RB



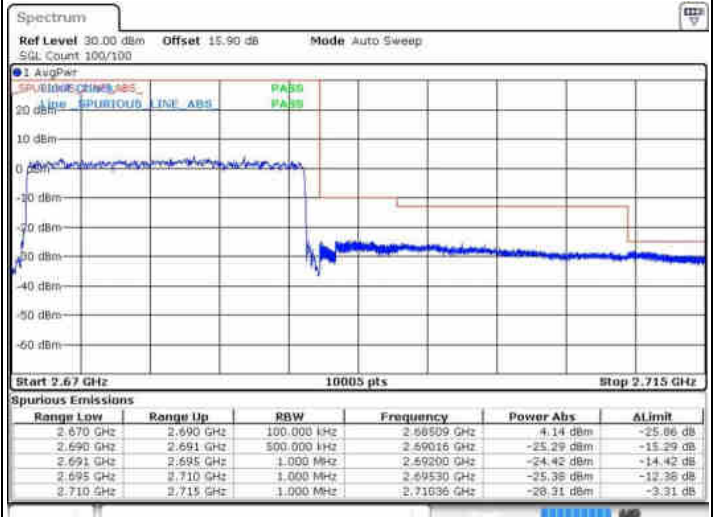
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



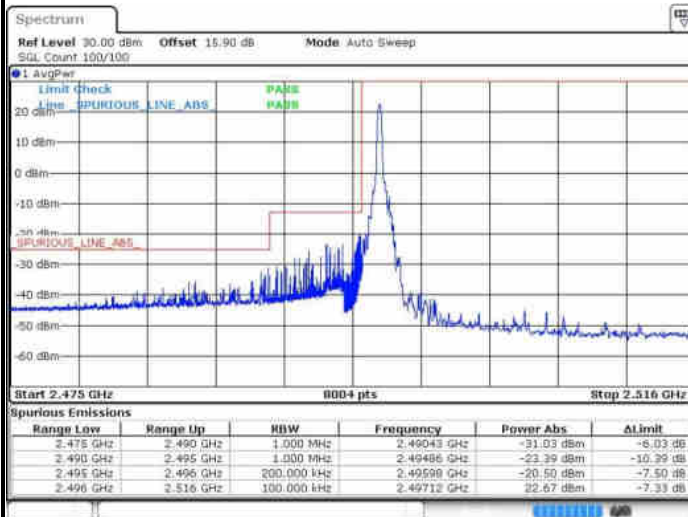
Highest Band Edge / Full RB





LTE Band 41 / 20MHz / 64QAM

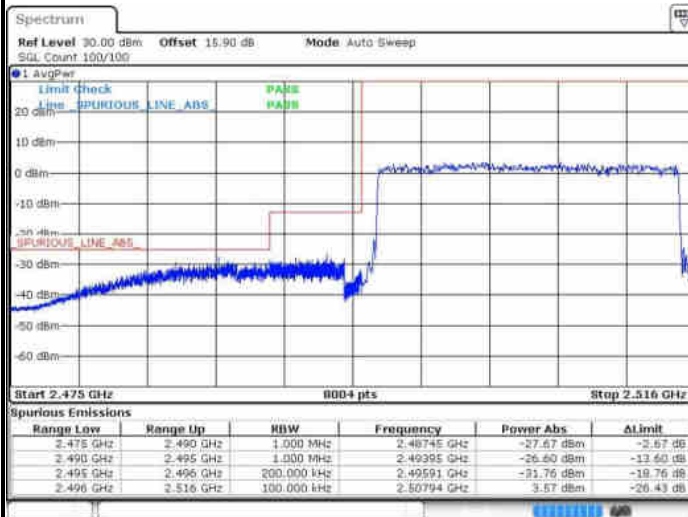
Lowest Band Edge / 1 RB



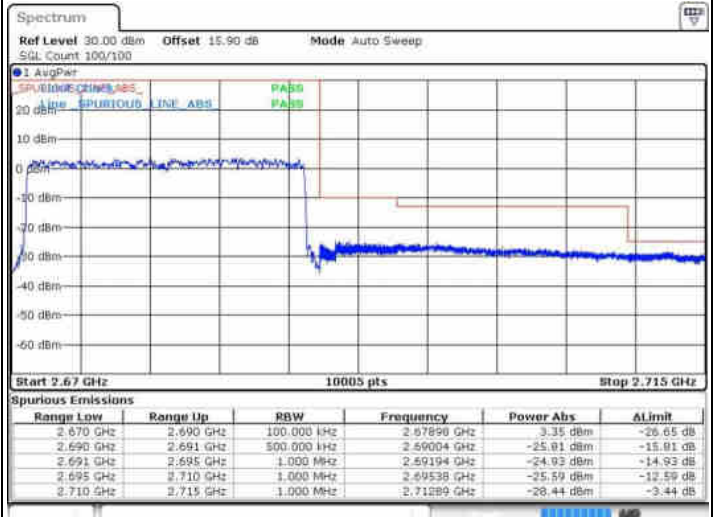
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

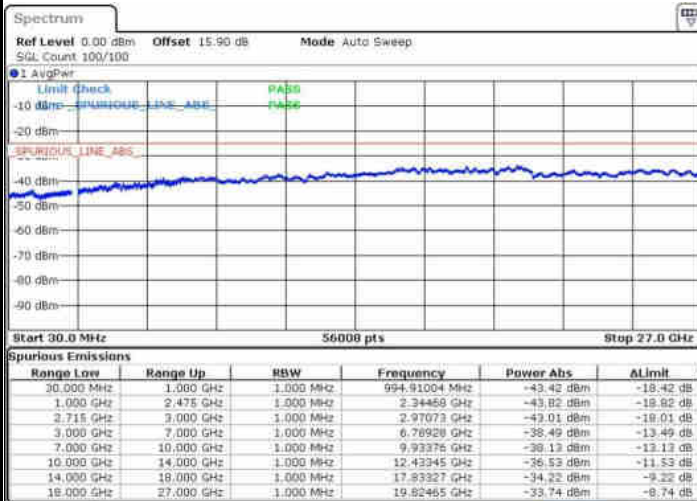




Conducted Spurious Emission

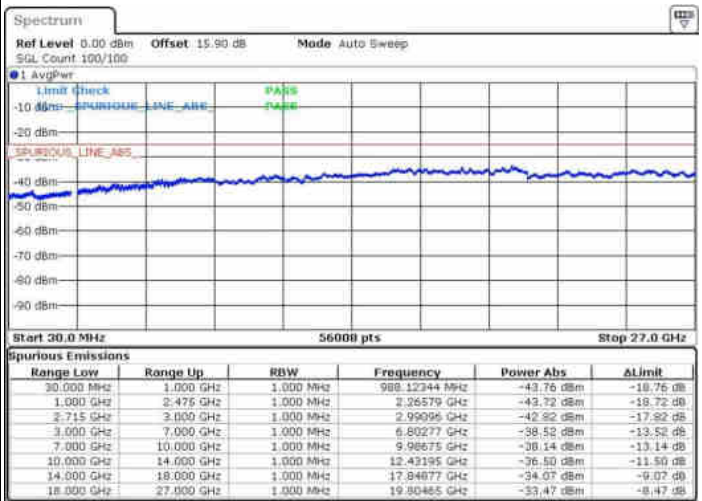
LTE Band 41 / 5MHz

Lowest Channel / QPSK



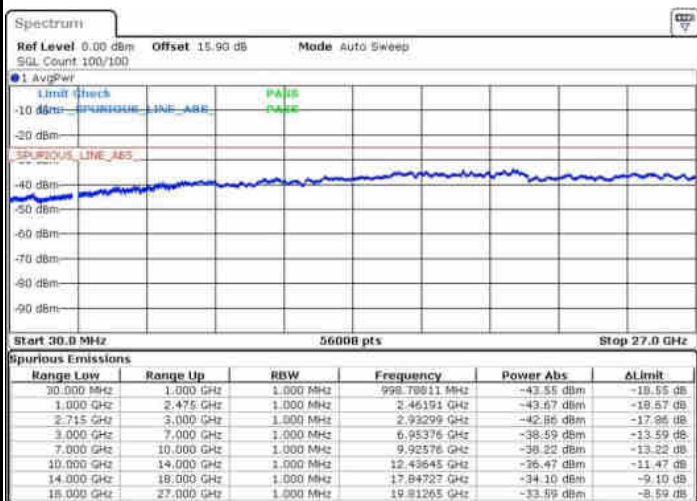
Date: 13 APR 2019 01:18:20

Lowest Channel / 16QAM



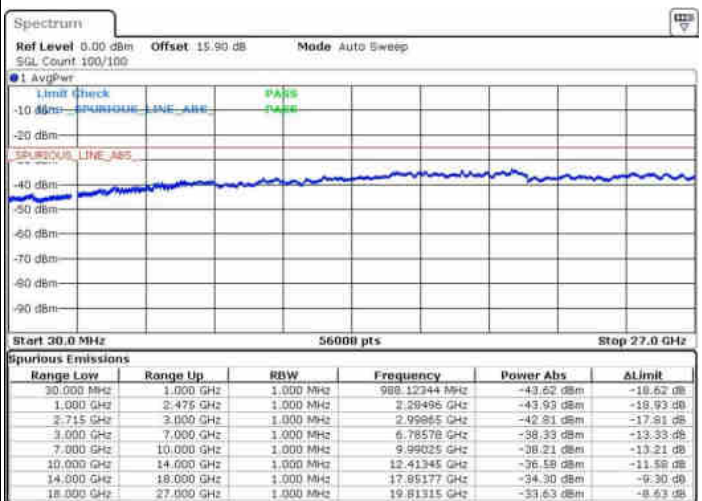
Date: 13 APR 2019 01:19:21

Middle Channel / QPSK



Date: 13 APR 2019 01:20:22

Middle Channel / 16QAM

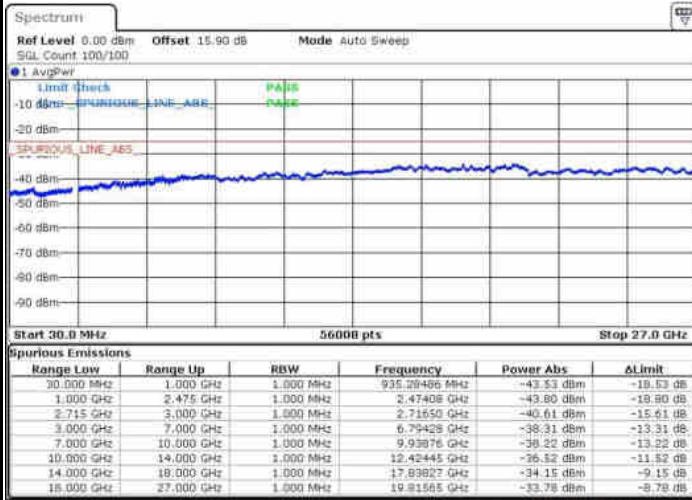


Date: 13 APR 2019 01:21:23



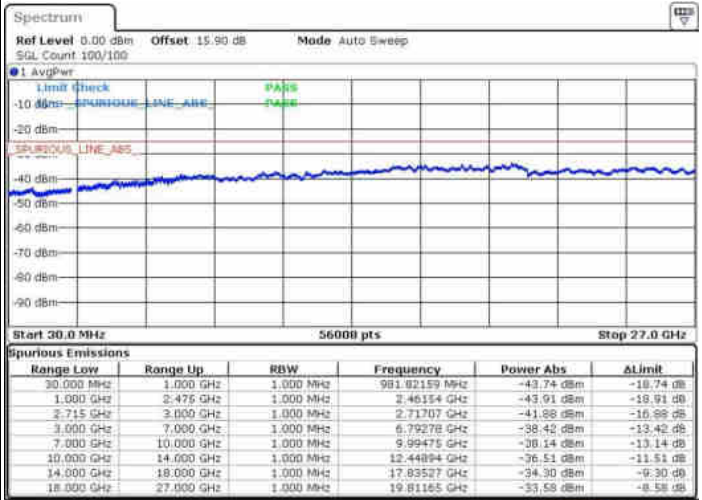
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 13 APR 2019 01:22:24

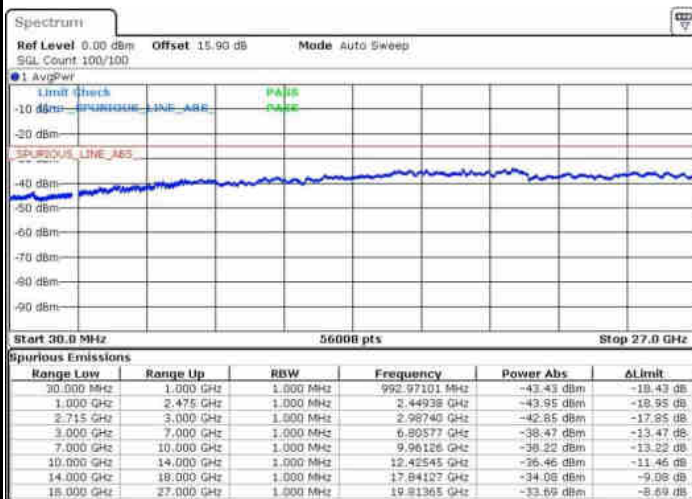
Highest Channel / 16QAM



Date: 13 APR 2019 01:23:26

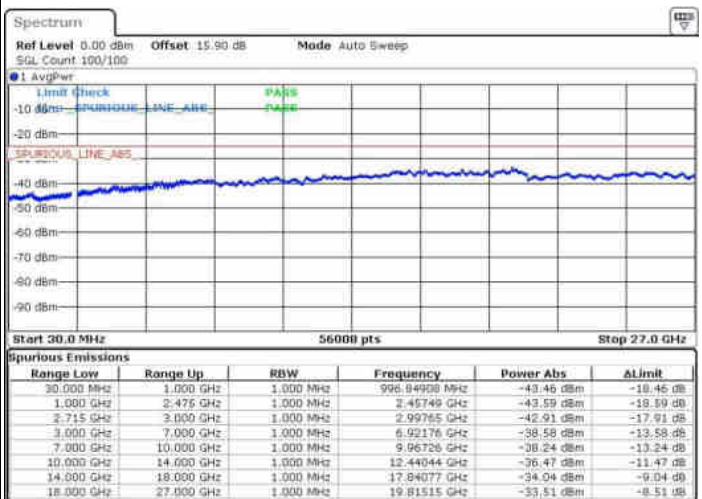
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 13 APR 2019 01:24:28

Lowest Channel / 16QAM

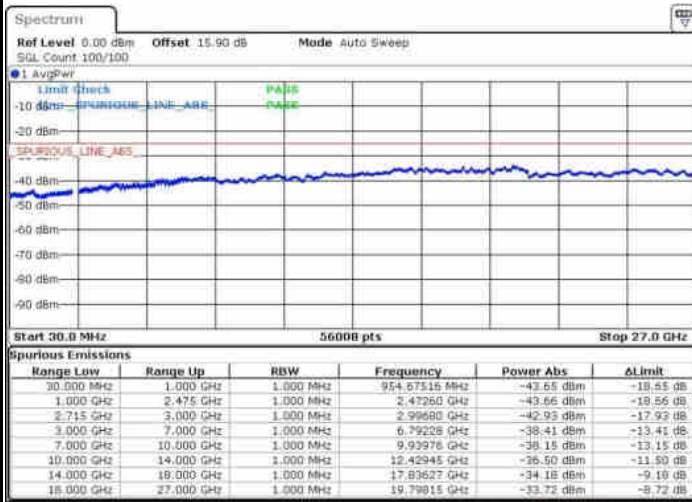


Date: 13 APR 2019 01:25:30



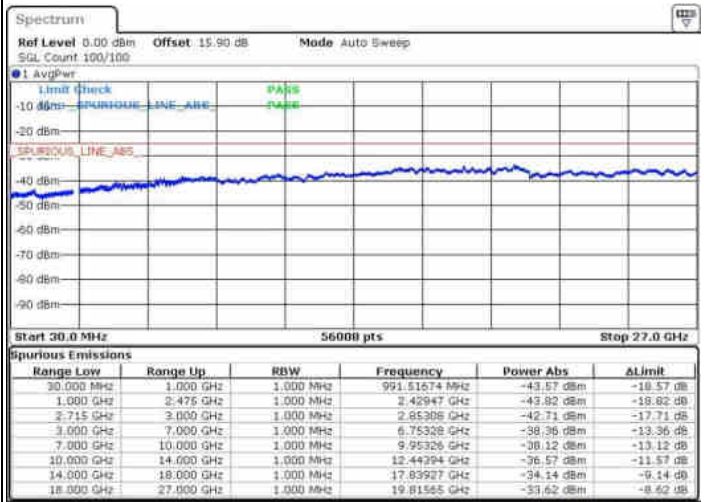
LTE Band 41 / 10MHz

Middle Channel / QPSK



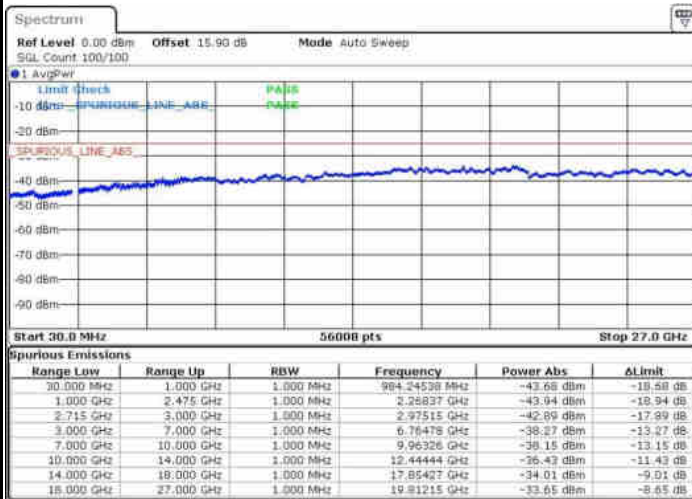
Date: 13 APR 2019 01:26:31

Middle Channel / 16QAM



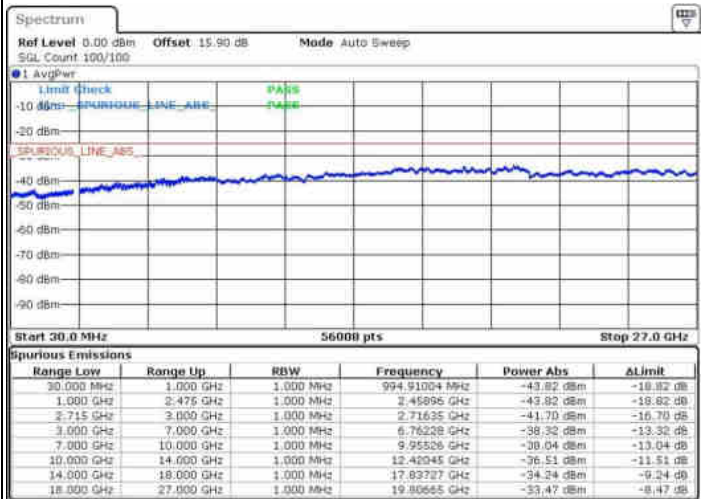
Date: 13 APR 2019 01:27:32

Highest Channel / QPSK



Date: 13 APR 2019 01:26:33

Highest Channel / 16QAM

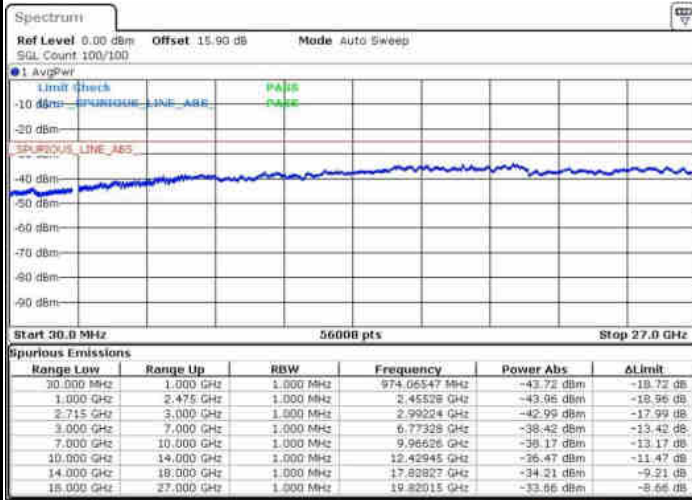


Date: 13 APR 2019 01:29:34



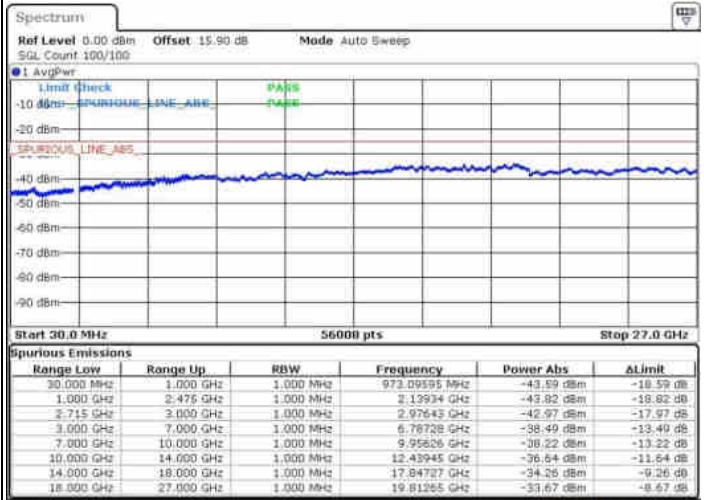
LTE Band 41 / 15MHz

Lowest Channel / QPSK



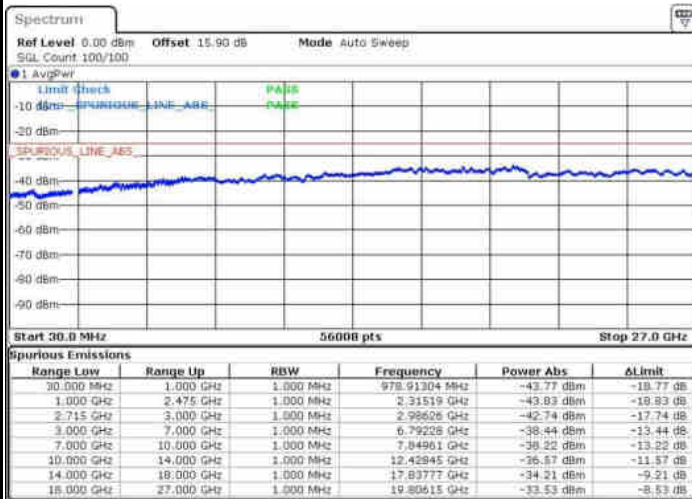
Date: 13 APR 2019 01:30:36

Lowest Channel / 16QAM



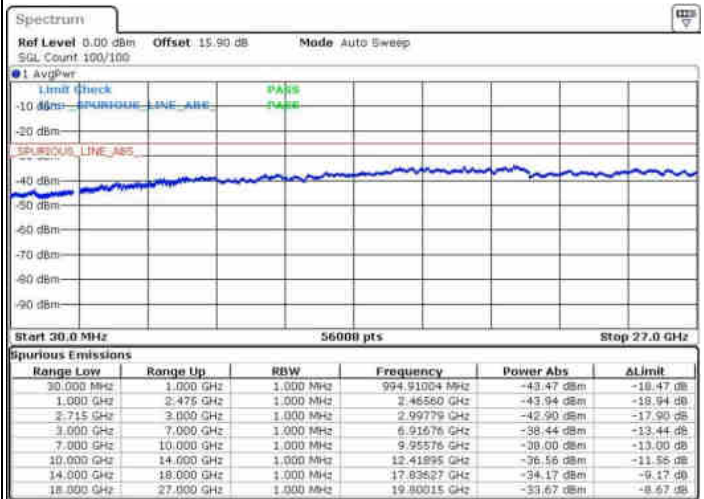
Date: 13 APR 2019 01:31:36

Middle Channel / QPSK



Date: 13 APR 2019 01:32:39

Middle Channel / 16QAM

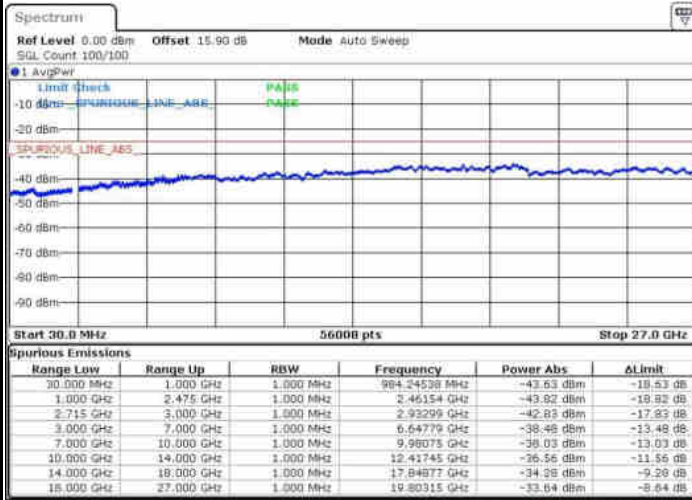


Date: 13 APR 2019 01:33:40



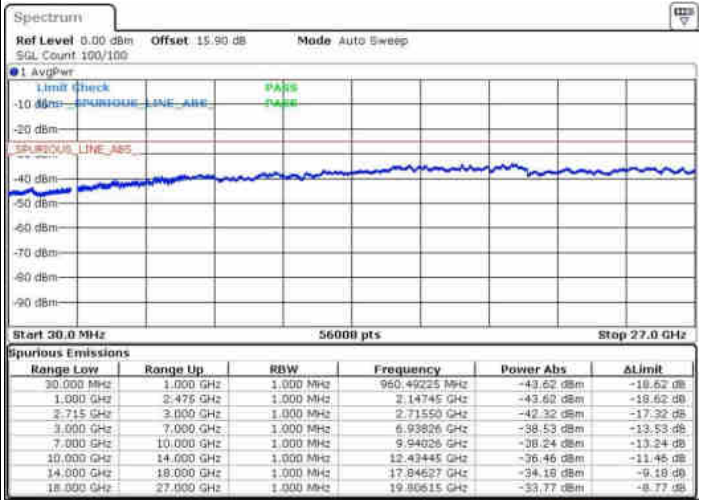
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 13 APR 2019 01:34:41

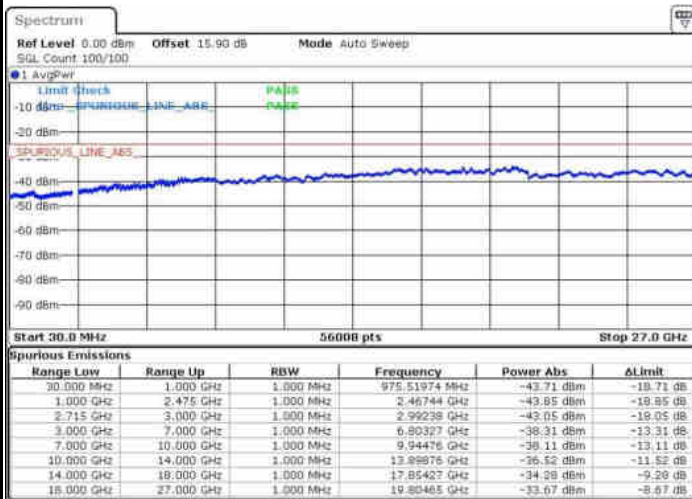
Highest Channel / 16QAM



Date: 13 APR 2019 01:35:42

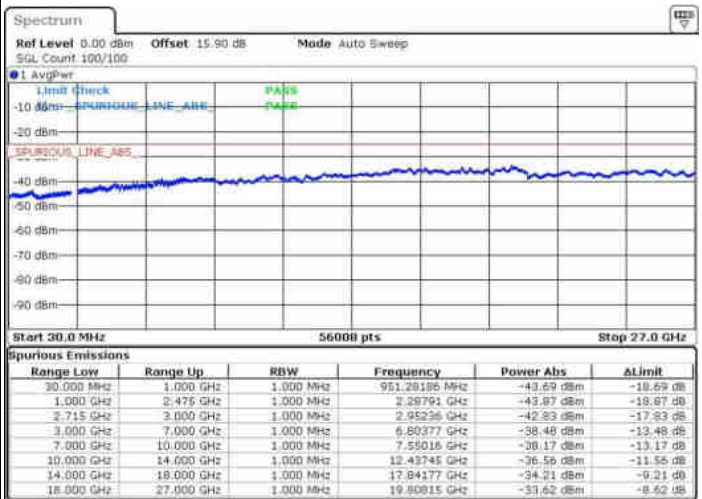
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 13 APR 2019 01:36:44

Lowest Channel / 16QAM

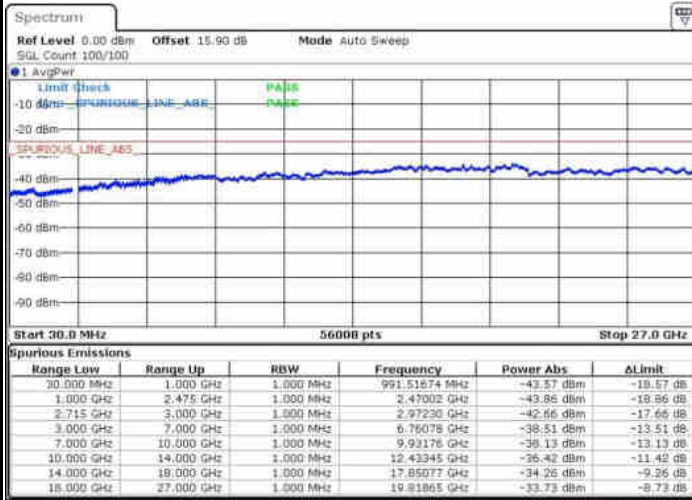


Date: 13 APR 2019 01:37:45



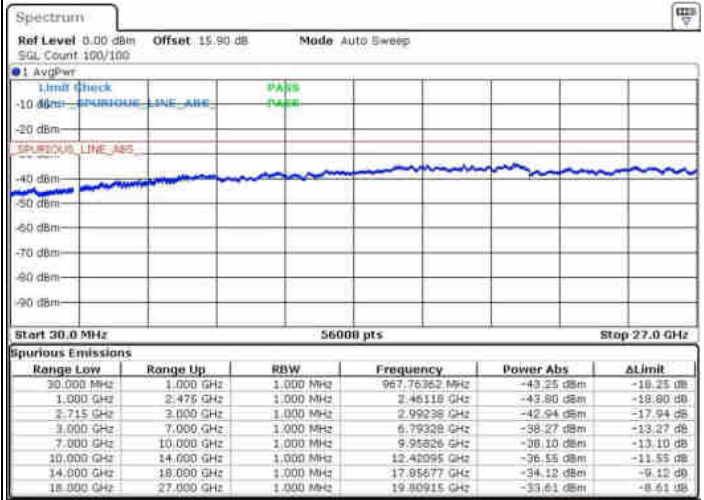
LTE Band 41 / 20MHz

Middle Channel / QPSK



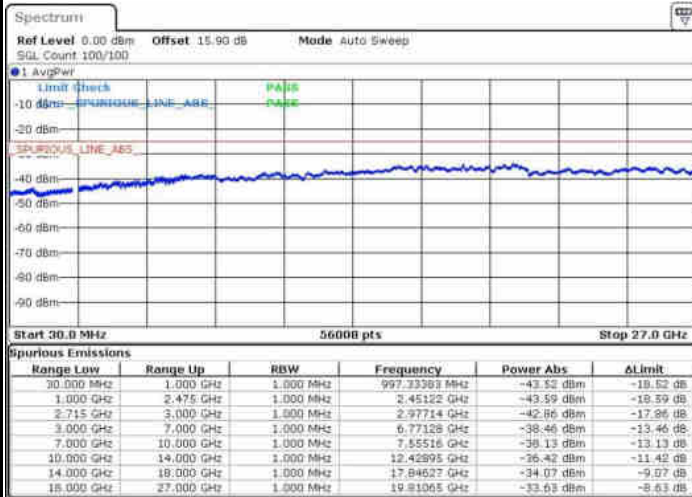
Date: 13 APR 2019 01:38:47

Middle Channel / 16QAM



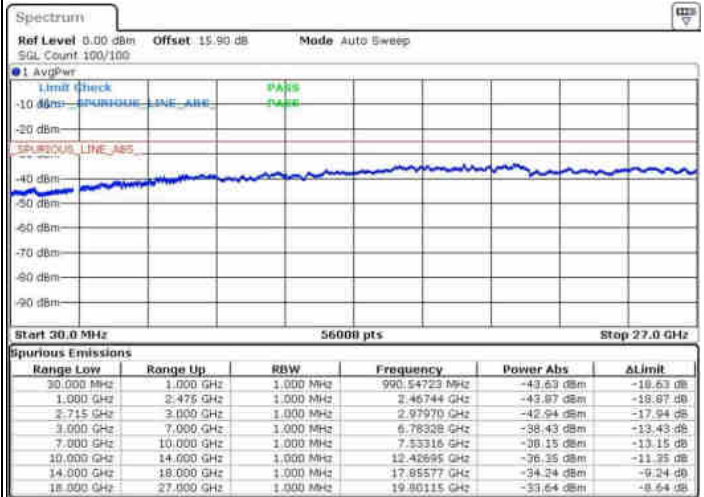
Date: 13 APR 2019 01:39:48

Highest Channel / QPSK



Date: 13 APR 2019 01:40:49

Highest Channel / 16QAM

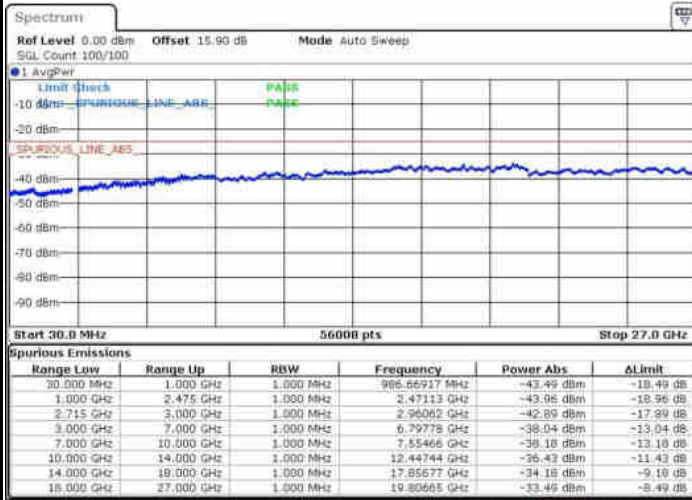


Date: 13 APR 2019 01:41:51



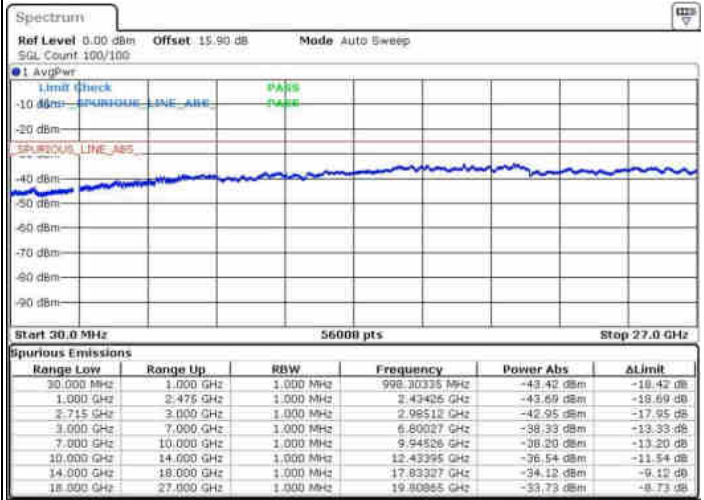
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



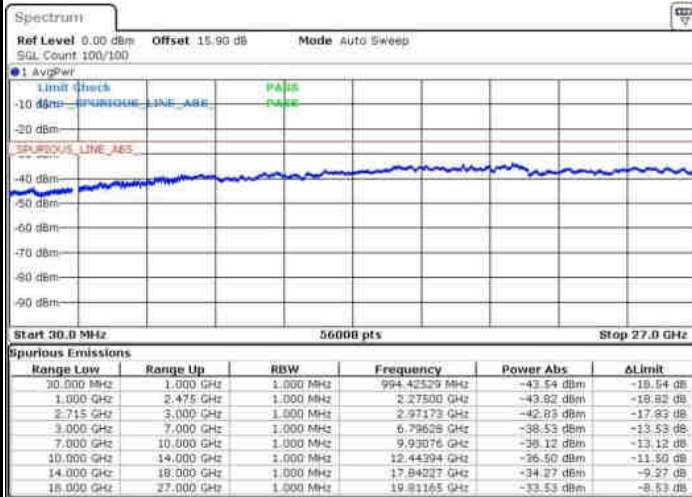
Date: 13 APR 2019 01:06:03

Middle Channel / 64QAM



Date: 13 APR 2019 01:07:04

Highest Channel / 64QAM

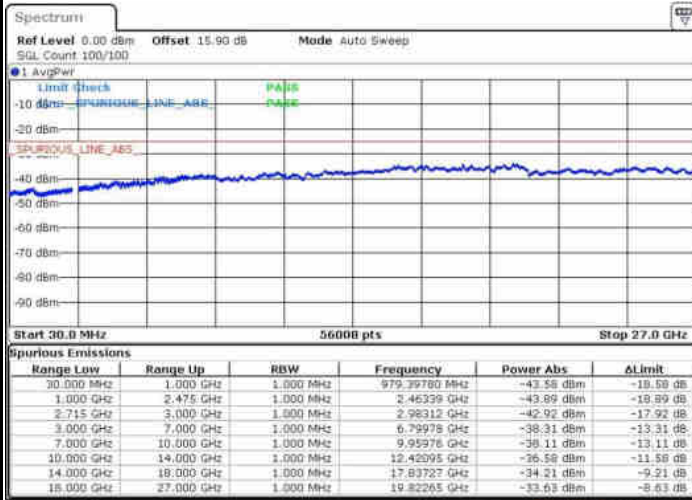


Date: 13 APR 2019 01:08:05



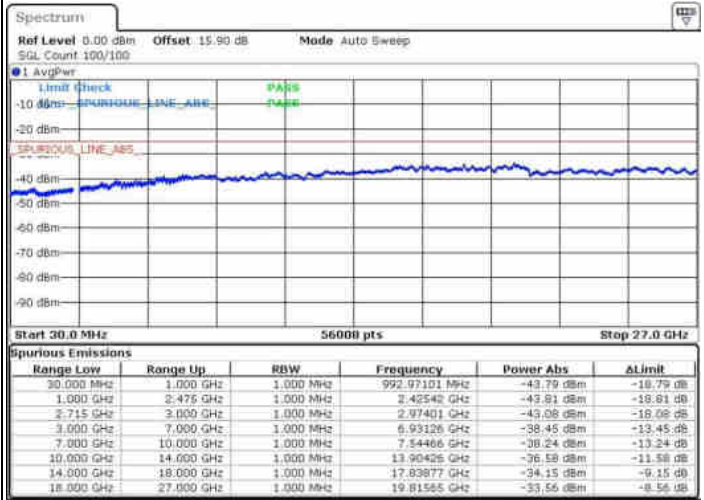
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



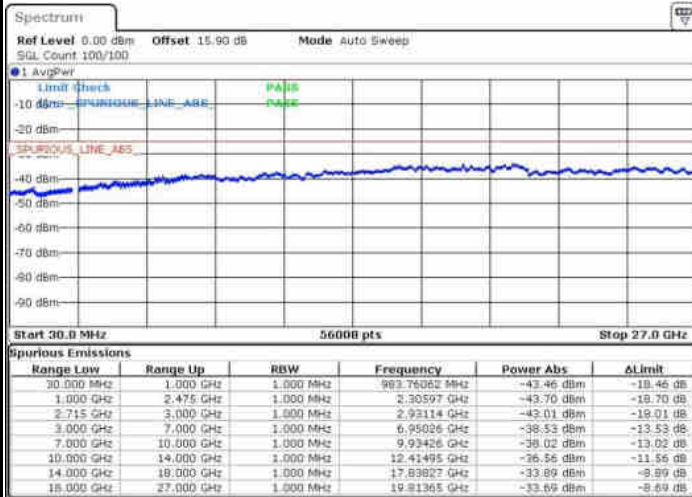
Date: 13 APR 2019 01:09:07

Middle Channel / 64QAM



Date: 13 APR 2019 01:10:06

Highest Channel / 64QAM

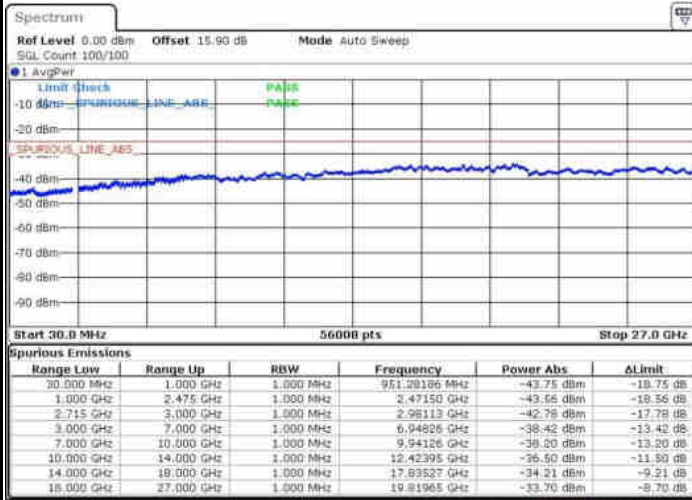


Date: 13 APR 2019 01:11:09



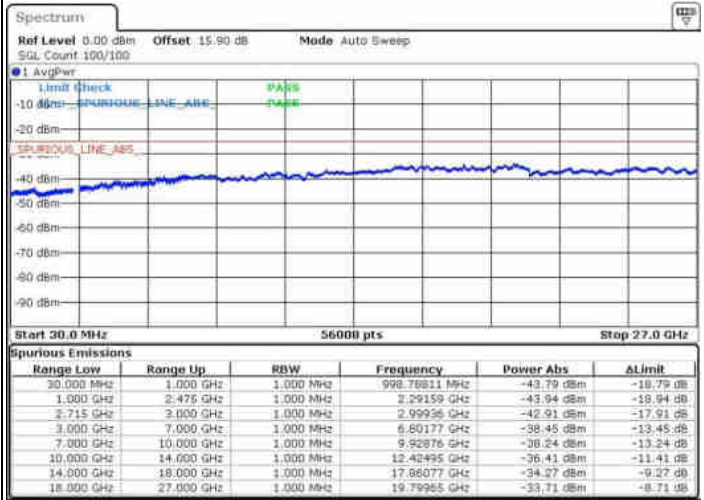
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



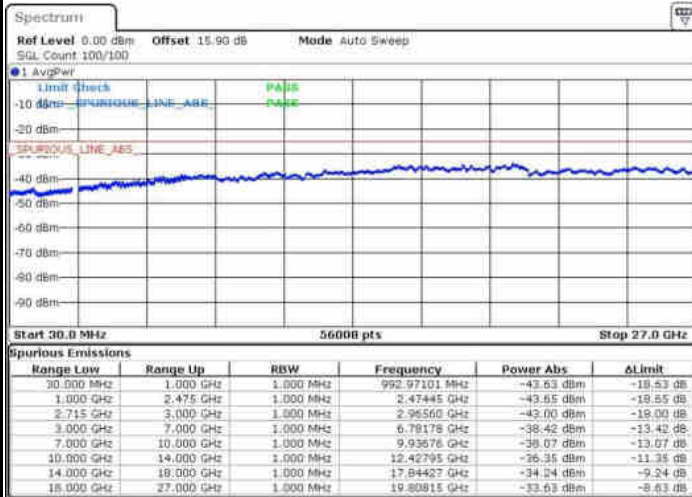
Date: 13 APR 2019 01:12:11

Middle Channel / 64QAM



Date: 13 APR 2019 01:13:13

Highest Channel / 64QAM

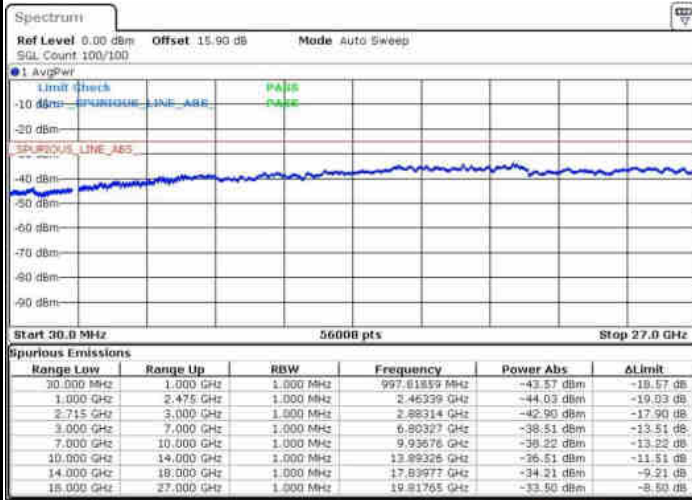


Date: 13 APR 2019 01:14:14



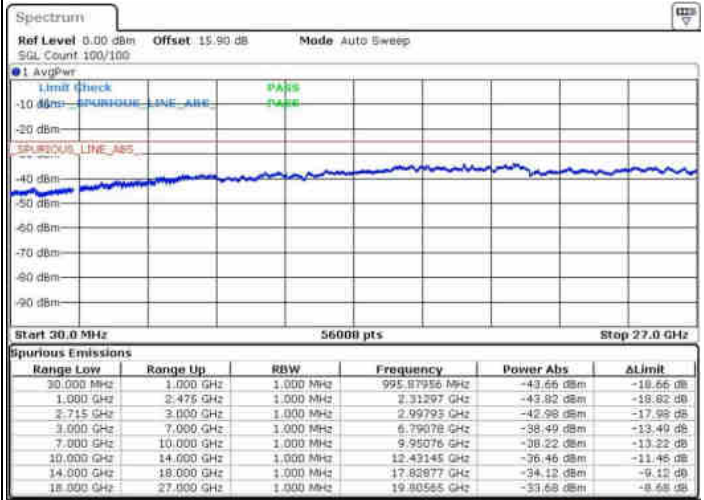
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



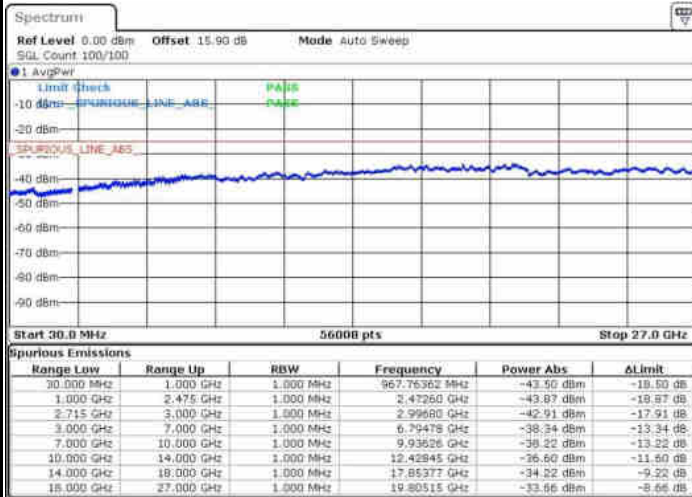
Date: 13 APR 2019 01:15:16

Middle Channel / 64QAM



Date: 13 APR 2019 01:16:17

Highest Channel / 64QAM



Date: 13 APR 2019 01:17:18

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41_CA

26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.08	29.67	25.13	30.51
Middle CH	24.78	25.18	29.97	25.33	30.69
Highest CH	24.58	25.23	29.97	25.13	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.04	24.88	30.09	34.90	40.04
Middle CH	34.90	24.83	29.97	34.90	39.72
Highest CH	34.90	24.93	30.21	34.97	39.64

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.83	25.03	29.91	25.13	30.57
Middle CH	24.63	25.03	29.79	25.28	30.63
Highest CH	24.73	25.18	30.03	25.13	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.83	30.09	34.90	39.88
Middle CH	34.90	24.83	29.97	34.90	39.80
Highest CH	34.76	24.88	29.97	34.90	39.80

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.73	25.08	29.79	25.03	30.51
Middle CH	24.63	25.08	29.91	25.18	30.45
Highest CH	24.58	25.08	29.79	25.18	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.69	24.88	29.91	34.90	39.80
Middle CH	34.76	25.03	30.27	34.97	39.56
Highest CH	34.90	24.83	29.91	34.76	39.80