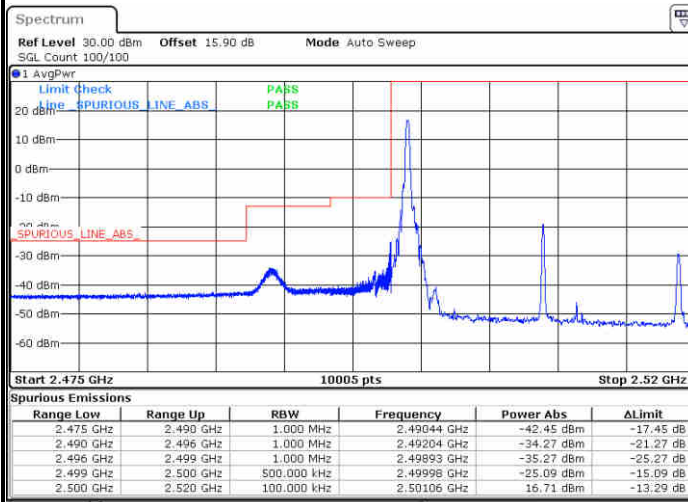




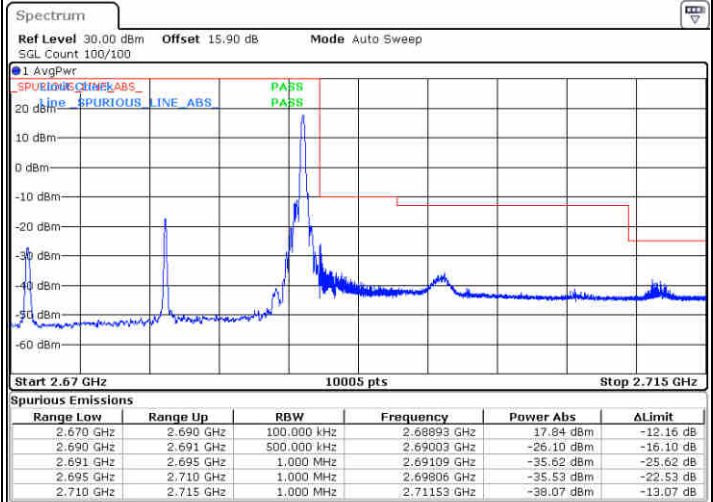
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



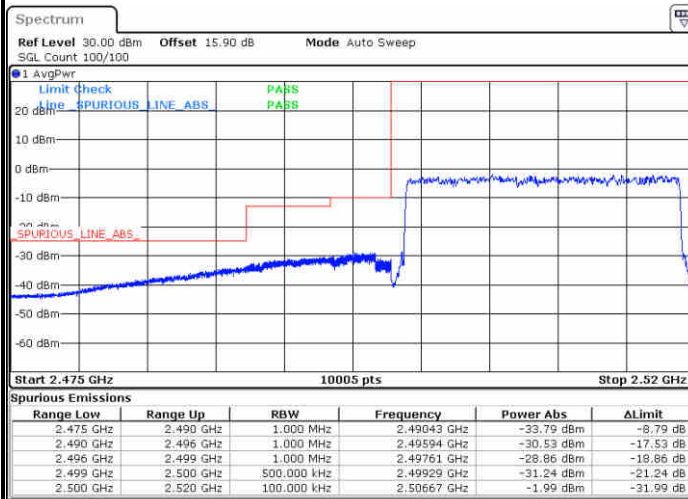
Date: 2.OCT.2017 23:19:26

Highest Band Edge / 1 RB



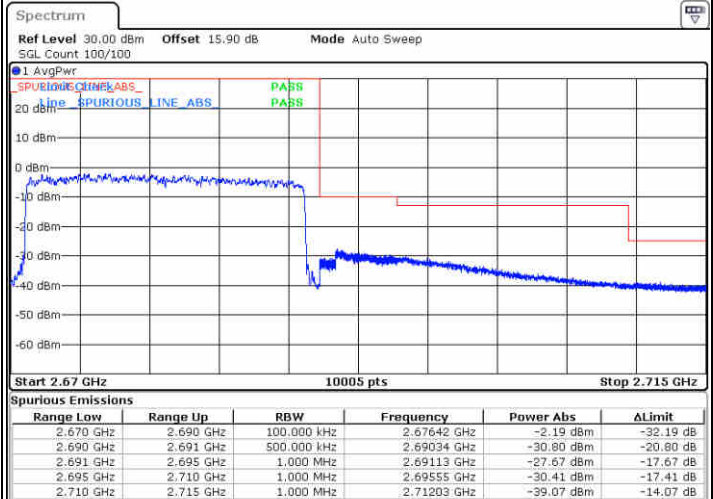
Date: 2.OCT.2017 23:21:44

Lowest Band Edge / Full RB



Date: 2.OCT.2017 23:20:35

Highest Band Edge / Full RB



Date: 2.OCT.2017 23:22:53

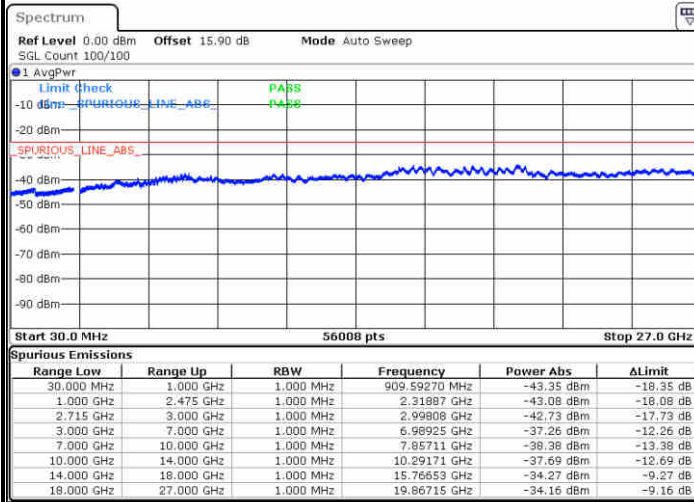


Conducted Spurious Emission



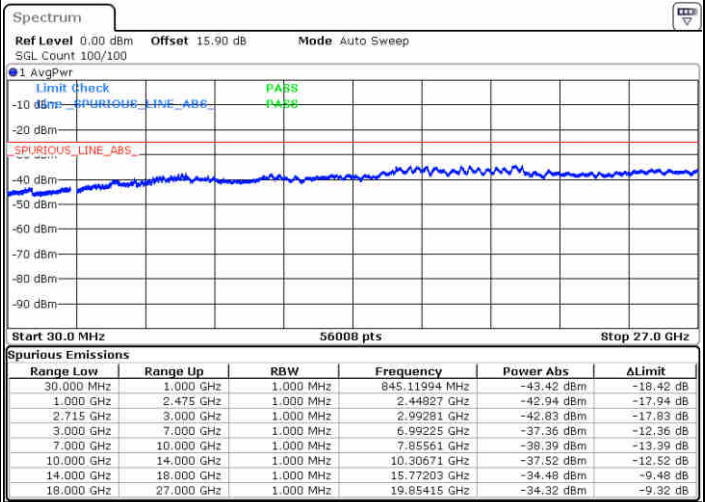
LTE Band 41 / 5MHz

Lowest Channel / QPSK



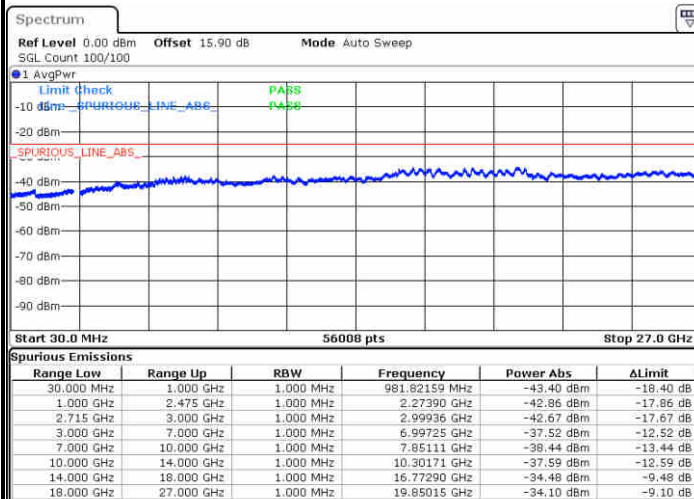
Date: 2.OCT.2017 23:34:36

Lowest Channel / 16QAM



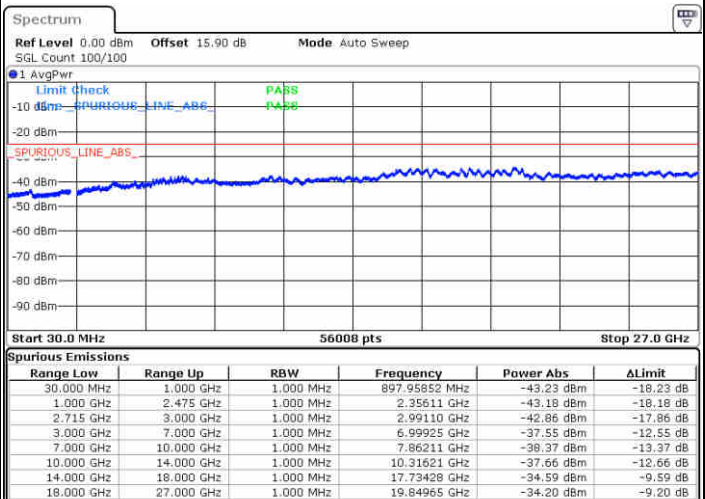
Date: 2.OCT.2017 23:35:30

Middle Channel / QPSK



Date: 2.OCT.2017 23:36:24

Middle Channel / 16QAM

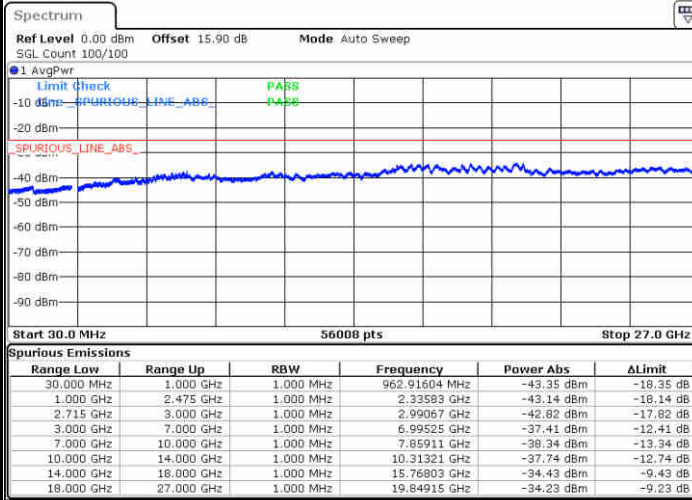


Date: 2.OCT.2017 23:37:19



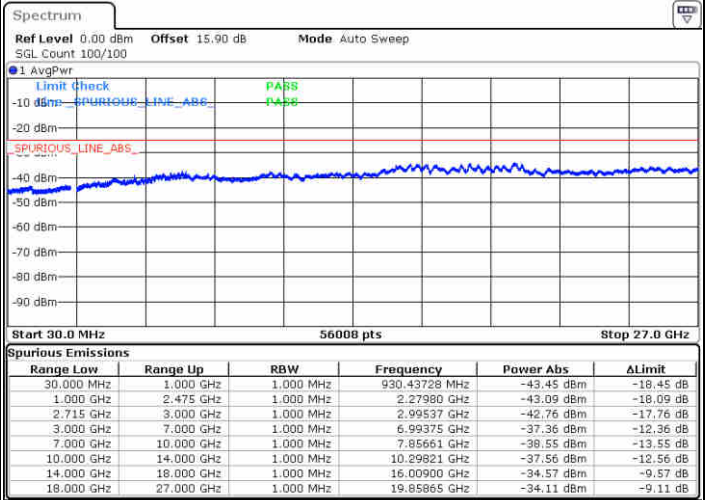
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 2.OCT.2017 23:38:13

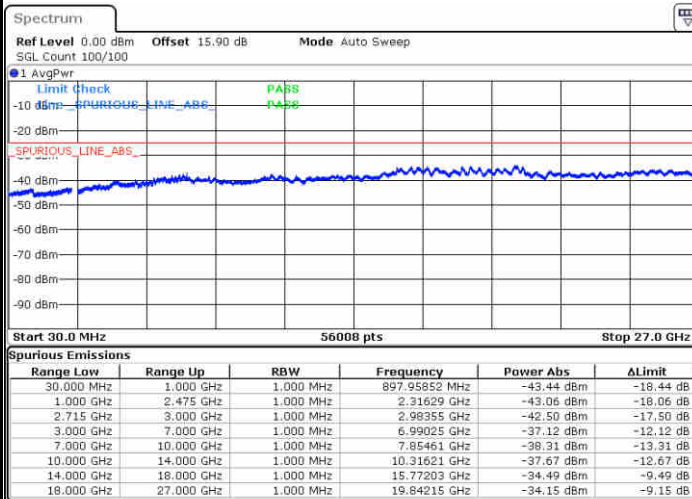
Highest Channel / 16QAM



Date: 2.OCT.2017 23:38:07

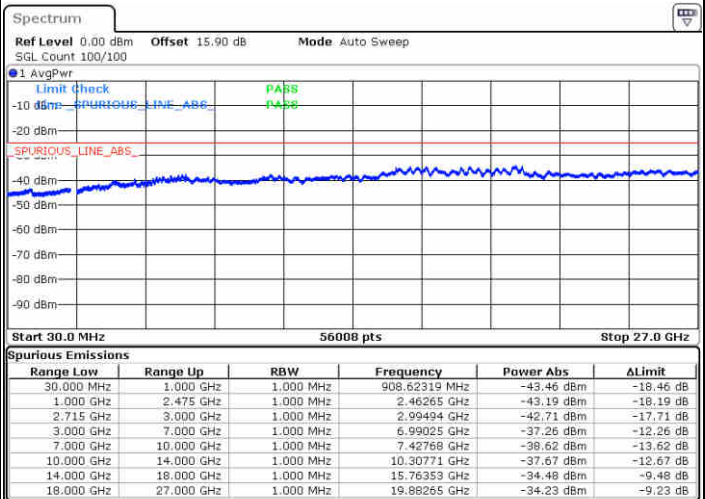
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 2.OCT.2017 23:40:01

Lowest Channel / 16QAM

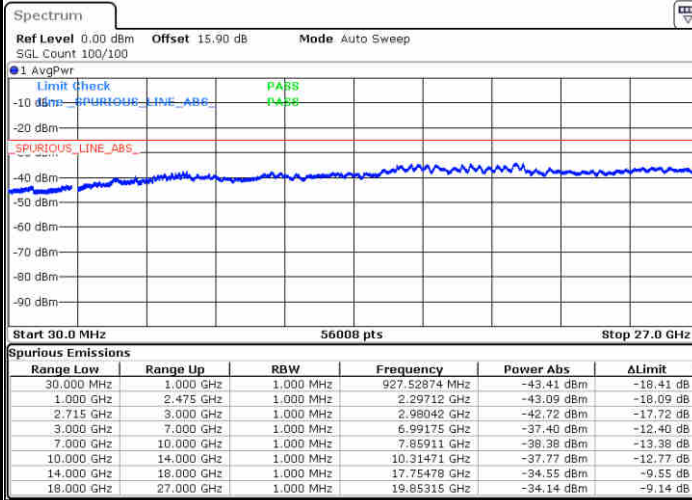


Date: 2.OCT.2017 23:40:55



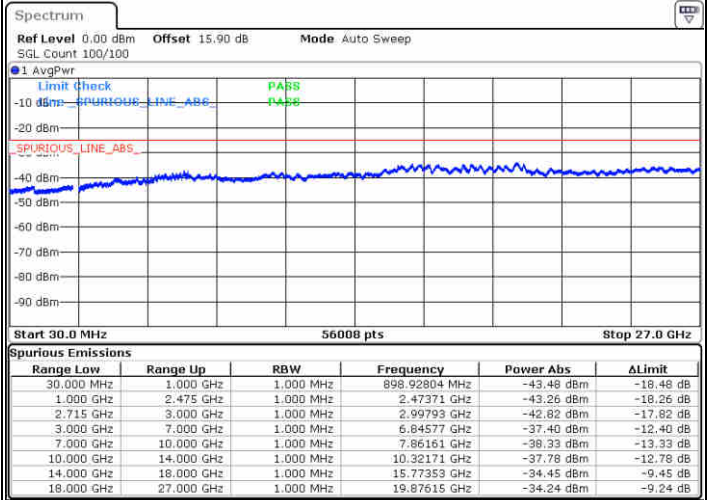
LTE Band 41 / 10MHz

Middle Channel / QPSK



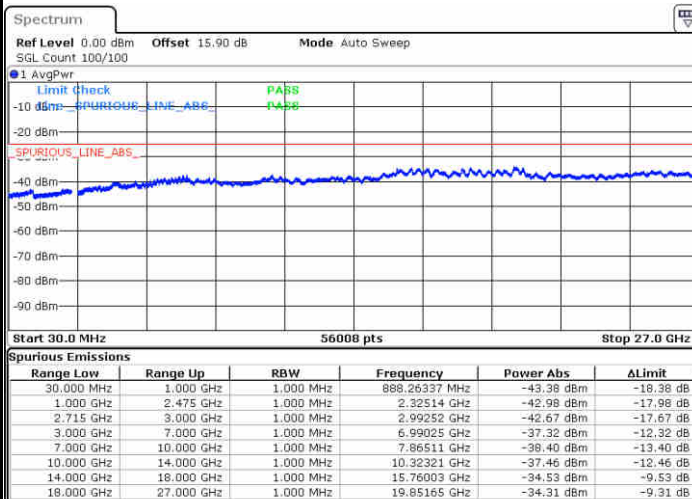
Date: 2.OCT.2017 23:41:49

Middle Channel / 16QAM



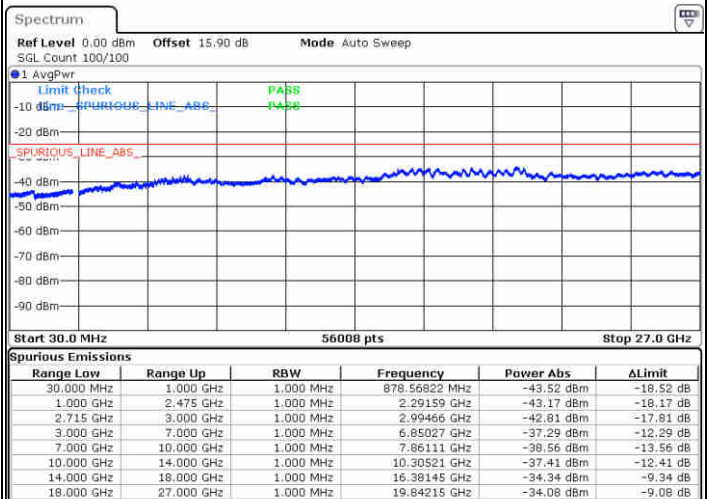
Date: 2.OCT.2017 23:42:43

Highest Channel / QPSK



Date: 2.OCT.2017 23:43:37

Highest Channel / 16QAM

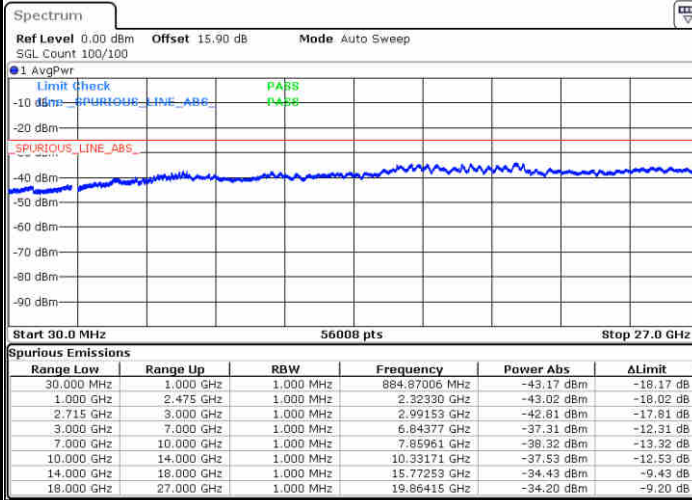


Date: 2.OCT.2017 23:44:31



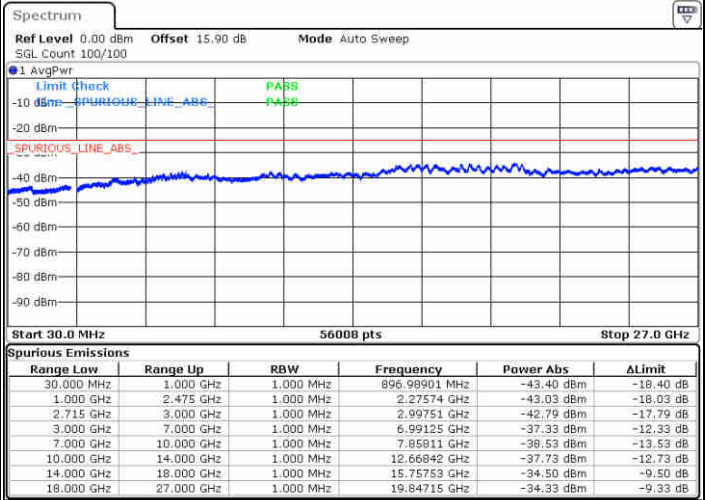
LTE Band 41 / 15MHz

Lowest Channel / QPSK



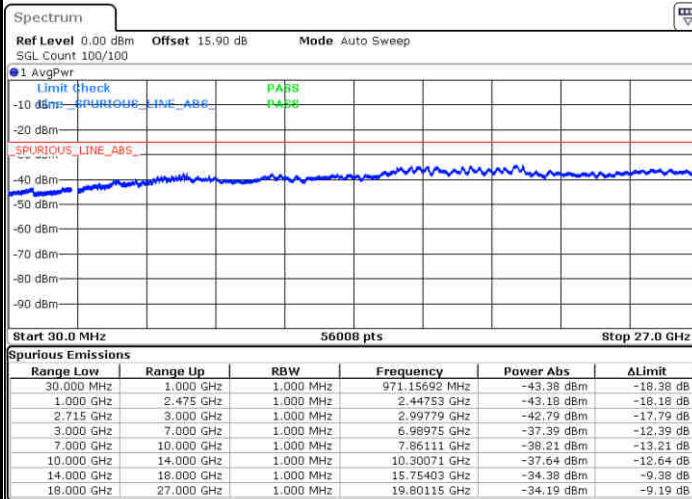
Date: 2.OCT.2017 23:46:23

Lowest Channel / 16QAM



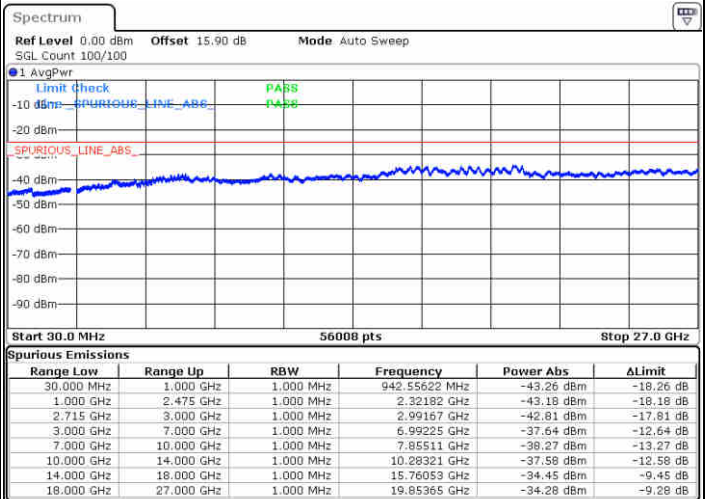
Date: 2.OCT.2017 23:47:17

Middle Channel / QPSK



Date: 2.OCT.2017 23:48:11

Middle Channel / 16QAM

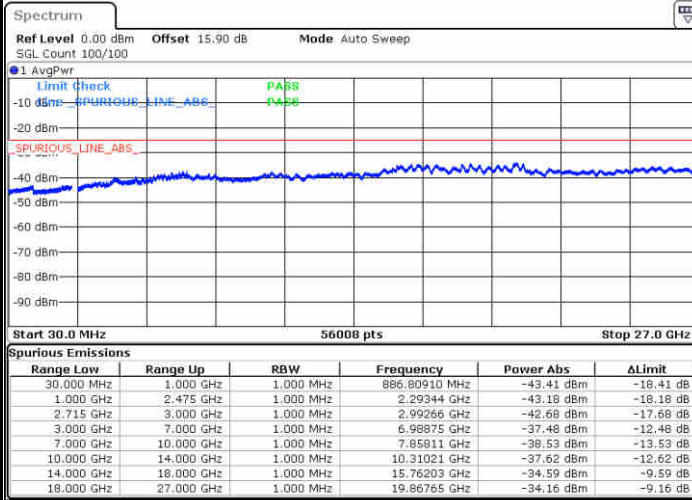


Date: 2.OCT.2017 23:49:05



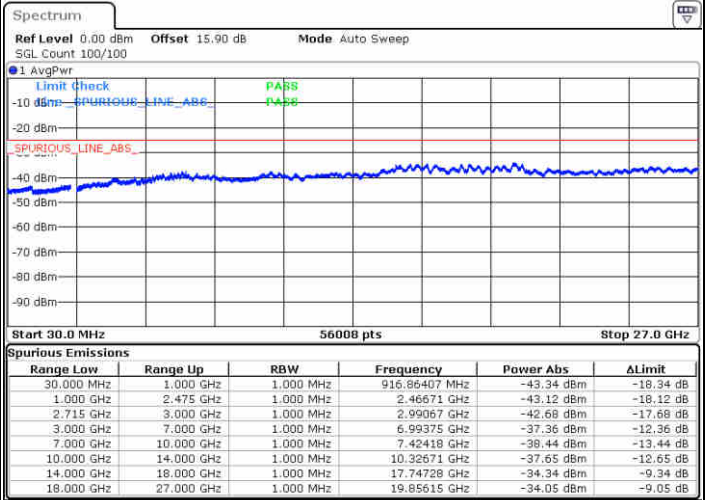
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 2.OCT.2017 23:49:59

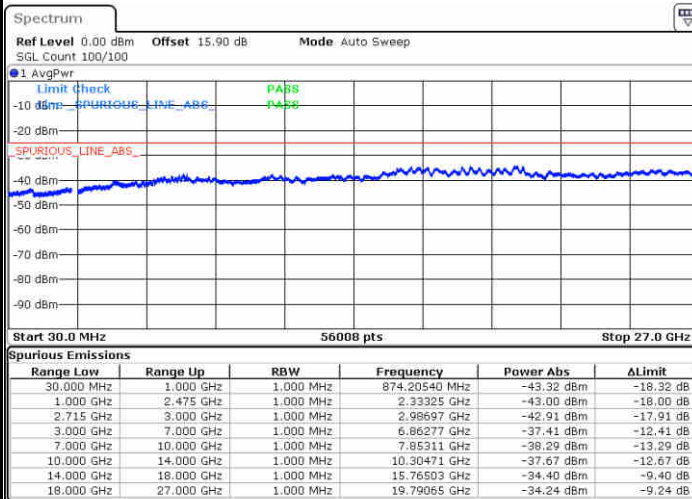
Highest Channel / 16QAM



Date: 2.OCT.2017 23:50:53

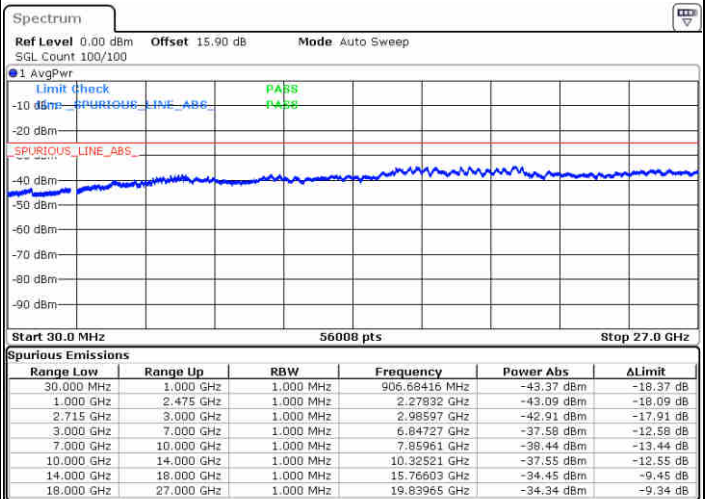
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 2.OCT.2017 23:51:47

Lowest Channel / 16QAM

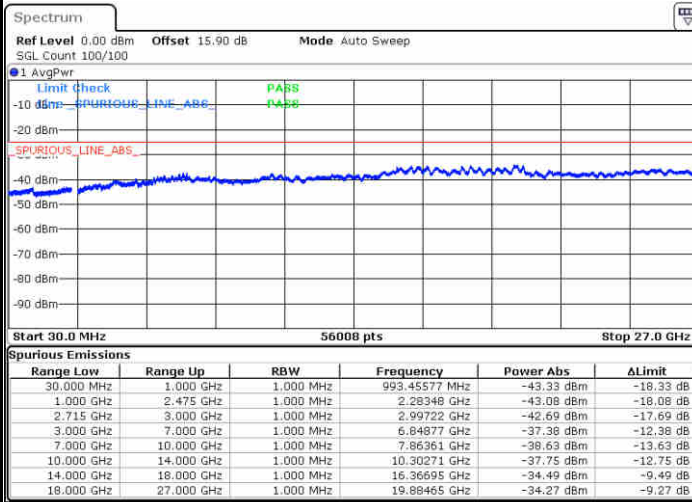


Date: 2.OCT.2017 23:52:41



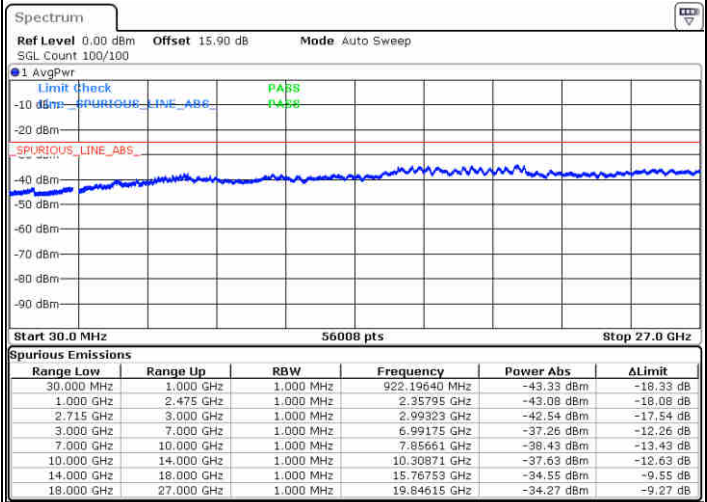
LTE Band 41 / 20MHz

Middle Channel / QPSK



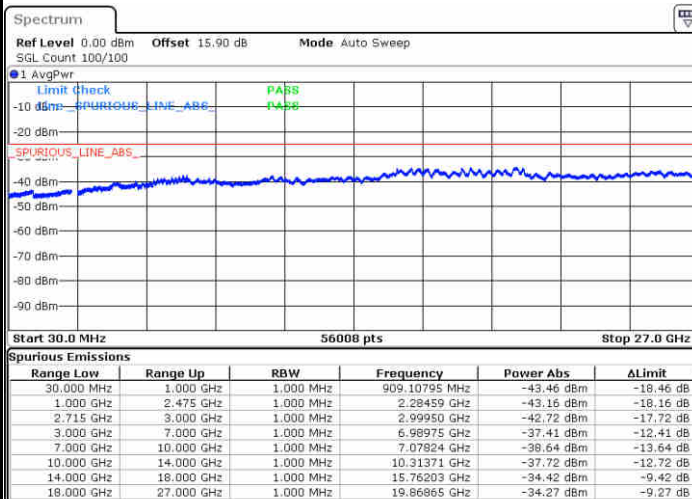
Date: 2.OCT.2017 23:53:35

Middle Channel / 16QAM



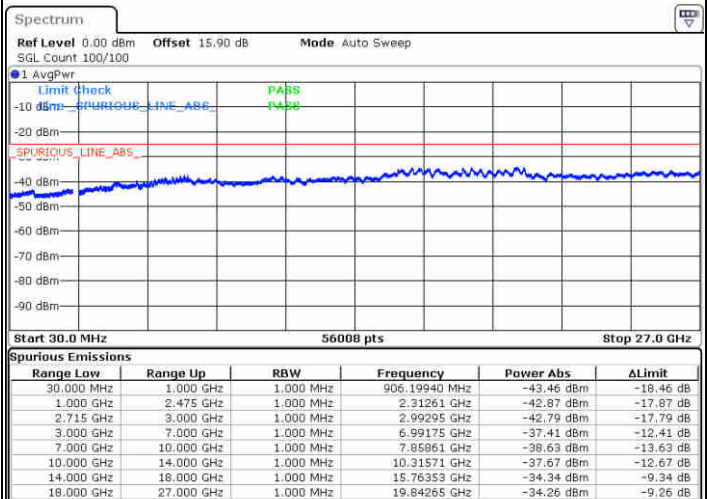
Date: 2.OCT.2017 23:54:29

Highest Channel / QPSK



Date: 2.OCT.2017 23:55:24

Highest Channel / 16QAM

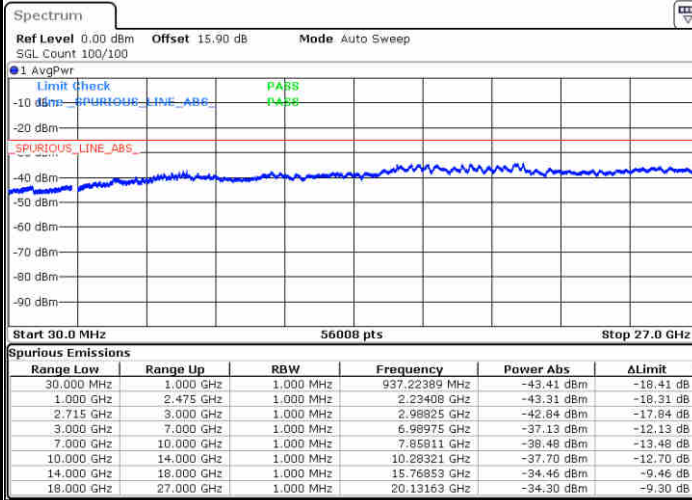


Date: 2.OCT.2017 23:56:17



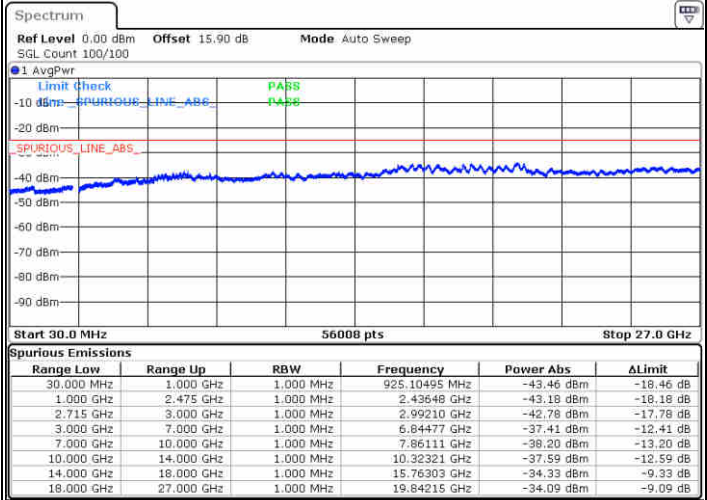
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



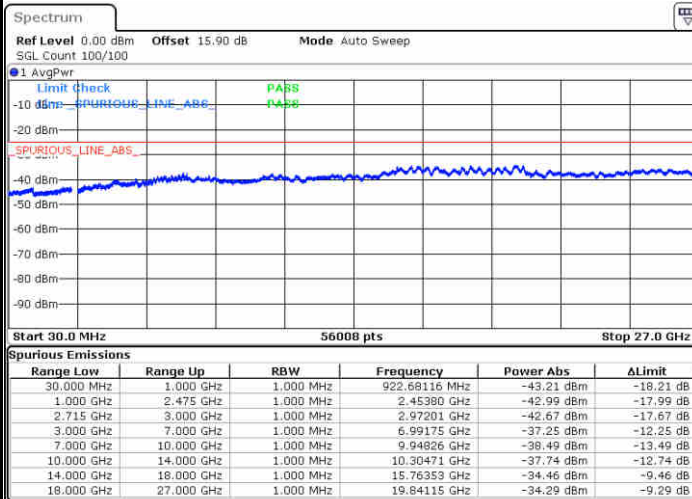
Date: 2.OCT.2017 23:23:48

Middle Channel / 64QAM



Date: 2.OCT.2017 23:24:42

Highest Channel / 64QAM

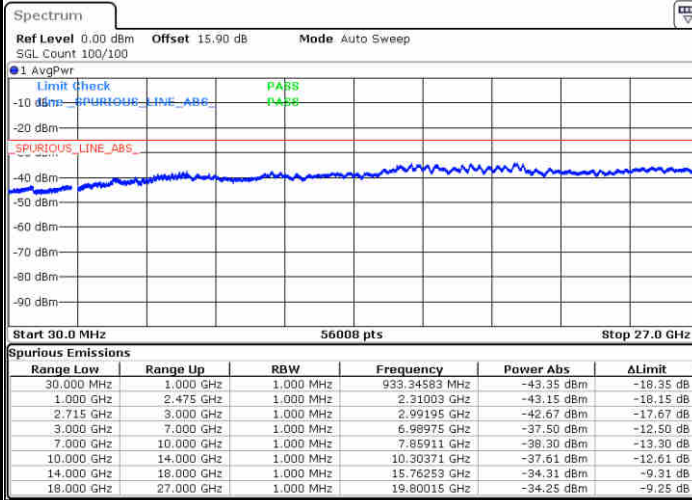


Date: 2.OCT.2017 23:25:36



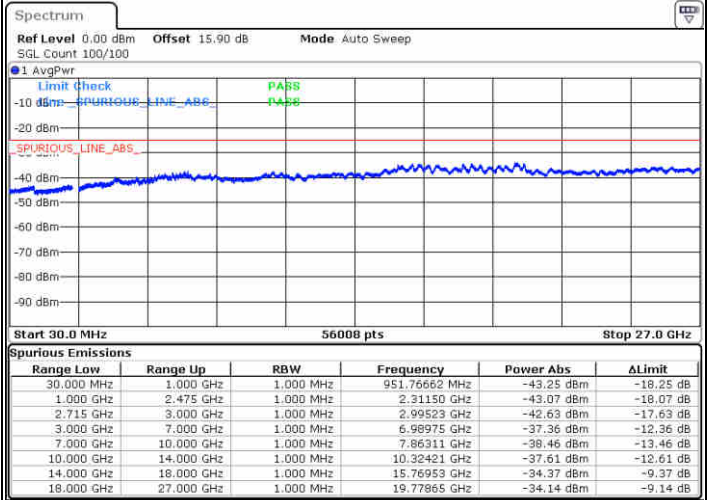
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



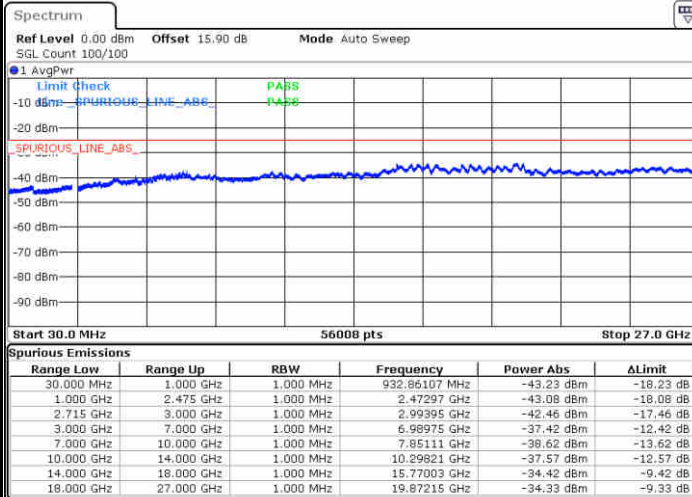
Date: 2.OCT.2017 23:26:30

Middle Channel / 64QAM



Date: 2.OCT.2017 23:27:24

Highest Channel / 64QAM

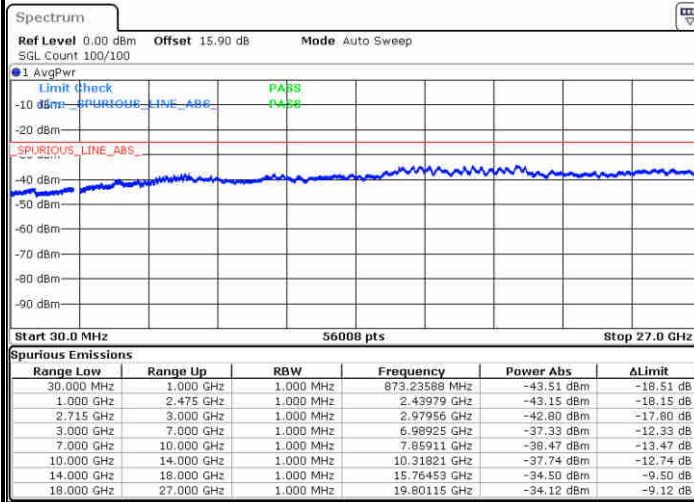


Date: 2.OCT.2017 23:28:18



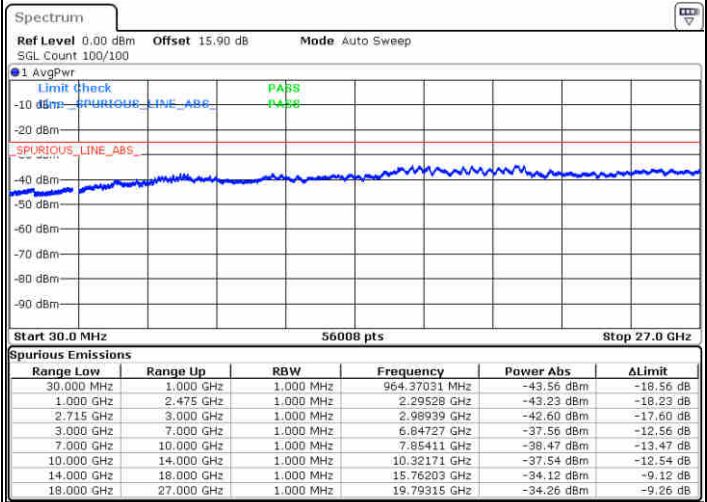
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



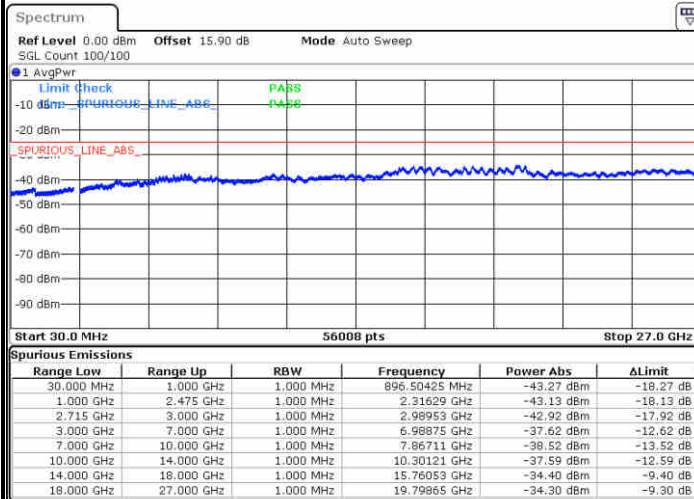
Date: 2.OCT.2017 23:29:12

Middle Channel / 64QAM



Date: 2.OCT.2017 23:30:06

Highest Channel / 64QAM

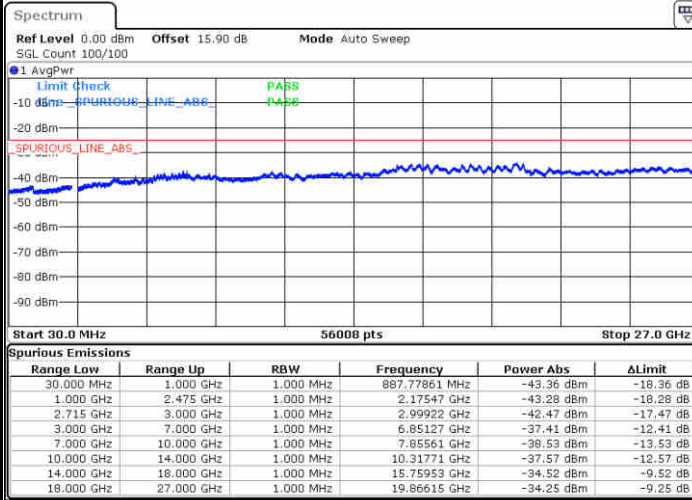


Date: 2.OCT.2017 23:31:00



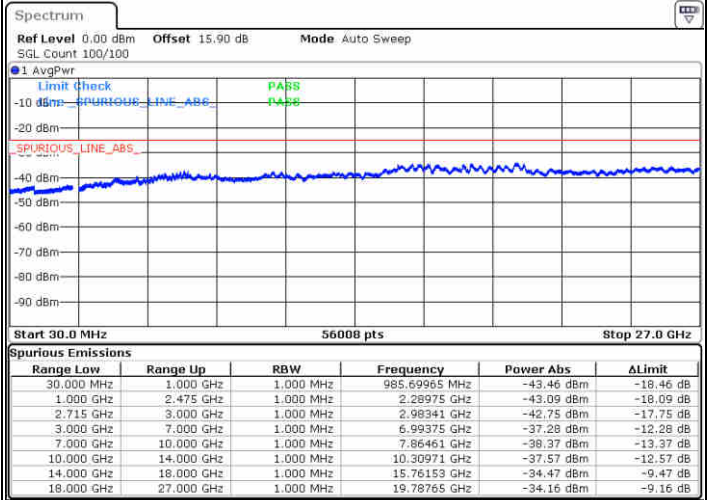
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



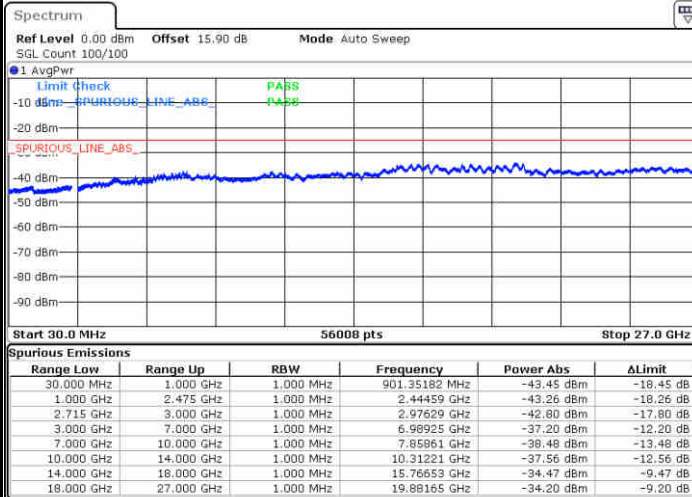
Date: 2.OCT.2017 23:31:54

Middle Channel / 64QAM



Date: 2.OCT.2017 23:32:48

Highest Channel / 64QAM



Date: 2.OCT.2017 23:33:42

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Within Band
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	2	PASS
40	Normal Voltage	2.1	
30	Normal Voltage	9.4	
20(Ref.)	Normal Voltage	0	
10	Normal Voltage	6.9	
0	Normal Voltage	-9.2	
-10	Normal Voltage	7.2	
-20	Normal Voltage	4.2	
-30	Normal Voltage	9.7	
20	Maximum Voltage	-8.7	
20	Normal Voltage	0	
20	Battery End Point	-1.2	

$|\text{MAX}(\Delta f)| = 9.7\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	2500.158990	$\geq 2500\text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	2689.826010	$\leq 2690\text{ MHz}$	



LTE Band 41_CA

26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	25.025	29.79	30.569	34.685	25.225
Middle CH	25.025	29.91	30.569	34.825	25.325
Highest CH	24.975	29.91	30.569	34.825	25.325
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHz+10MHz
Lowest CH	25.075	30.03	34.825	39.83	25.475
Middle CH	25.075	30.03	34.895	39.71	25.425
Highest CH	25.025	29.85	34.755	39.71	25.325

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	24.825	29.85	30.689	34.755	25.325
Middle CH	24.825	29.91	30.509	34.825	25.275
Highest CH	24.875	29.67	30.509	34.755	25.275
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHz+10MHz
Lowest CH	24.925	30.15	32.447	39.71	25.425
Middle CH	25.075	29.97	32.447	39.48	25.325
Highest CH	25.225	29.97	33.006	39.83	25.325

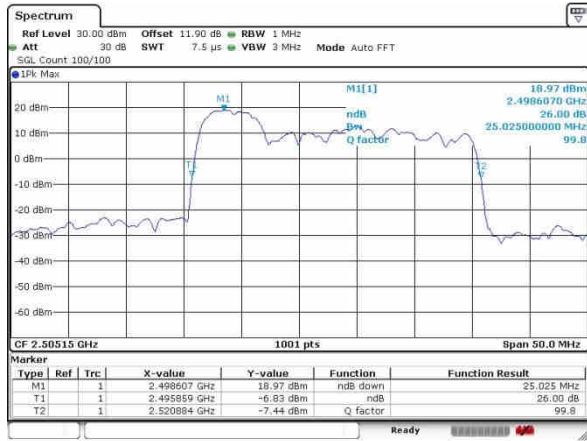
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	24.825	29.91	30.569	34.755	25.175
Middle CH	24.825	29.85	30.569	34.825	25.275
Highest CH	24.675	29.97	30.509	34.895	25.325
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHz+10MHz
Lowest CH	24.875	29.91	35.035	39.83	25.375
Middle CH	25.125	30.03	34.825	39.94	25.325
Highest CH	25.125	29.91	34.825	39.83	25.375



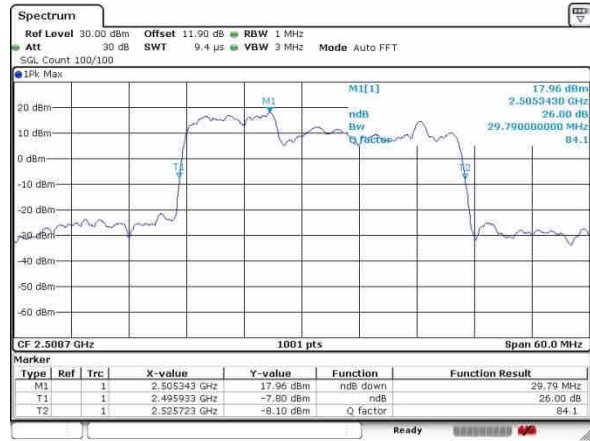
LTE Band 41

QPSK

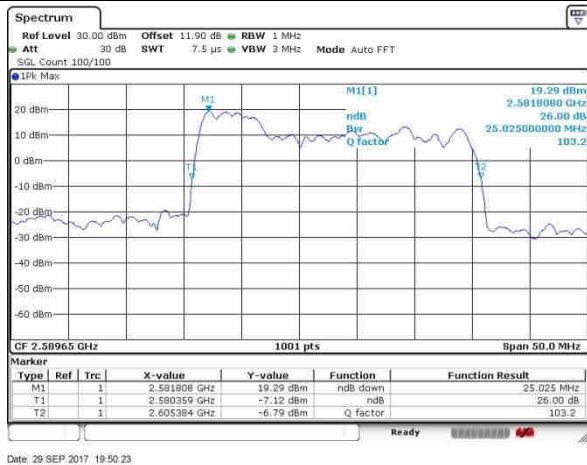
Lowest Channel / 5MHz+20MHz



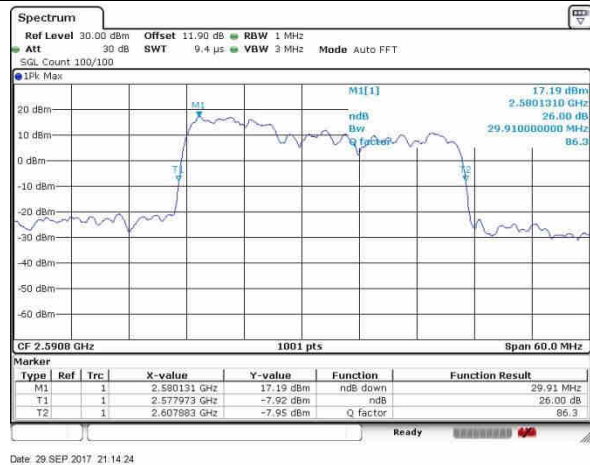
Lowest Channel / 10MHz+20MHz



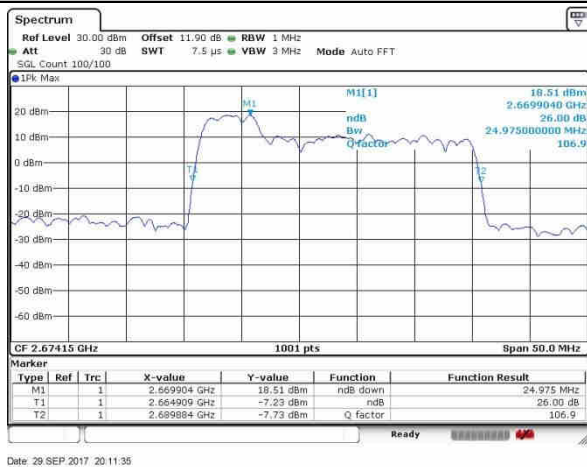
Middle Channel / 5MHz+20MHz



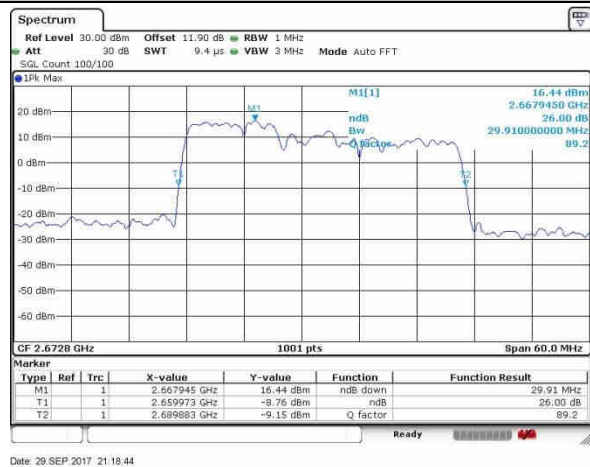
Middle Channel / 10MHz+20MHz



Highest Channel / 5MHz+20MHz



Highest Channel / 10MHz+20MHz

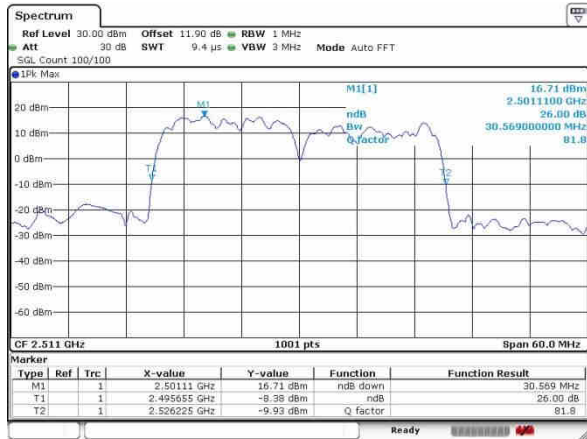




LTE Band 41

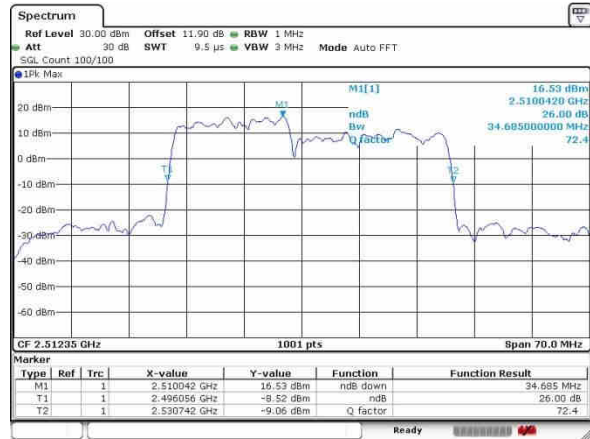
QPSK

Lowest Channel / 15MHz+15MHz



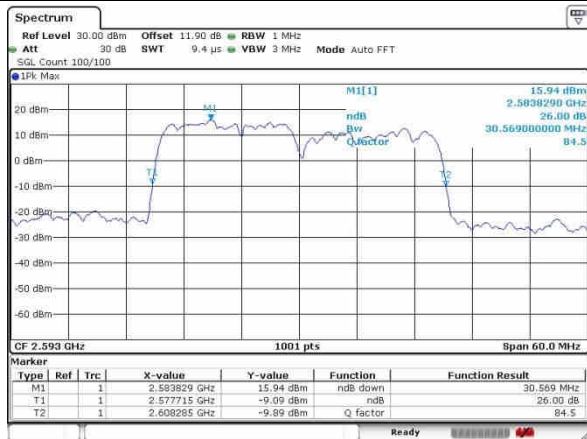
Date: 29 SEP 2017 23:47:17

Lowest Channel / 15MHz+20MHz



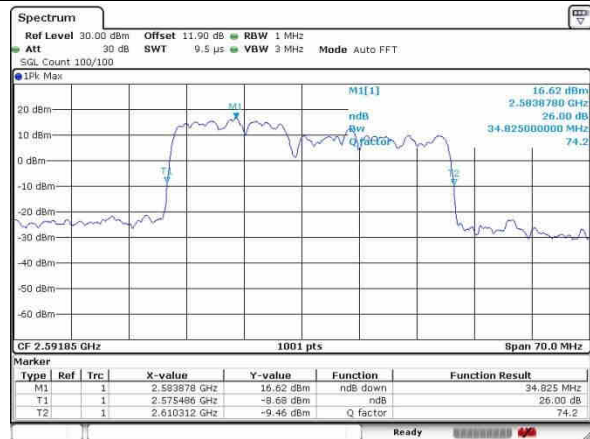
Date: 30 SEP 2017 01:13:08

Middle Channel / 15MHz+15MHz



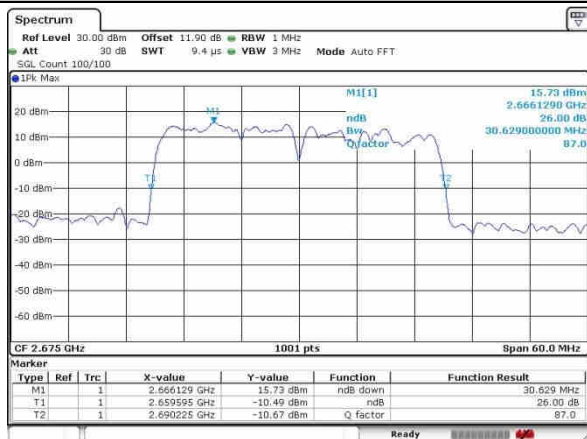
Date: 30 SEP 2017 00:09:43

Middle Channel / 15MHz+20MHz



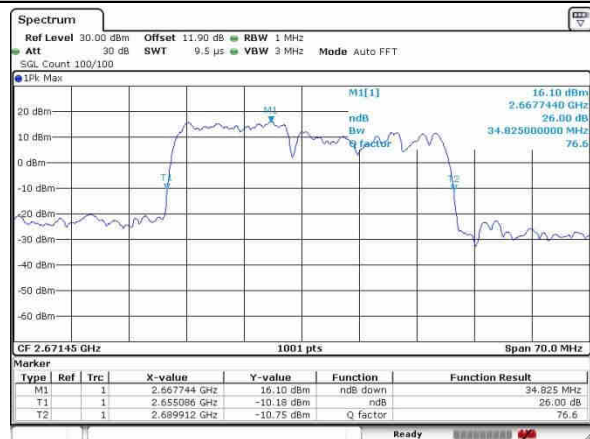
Date: 30 SEP 2017 01:14:05

Highest Channel / 15MHz+15MHz



Date: 30 SEP 2017 00:31:07

Highest Channel / 15MHz+20MHz



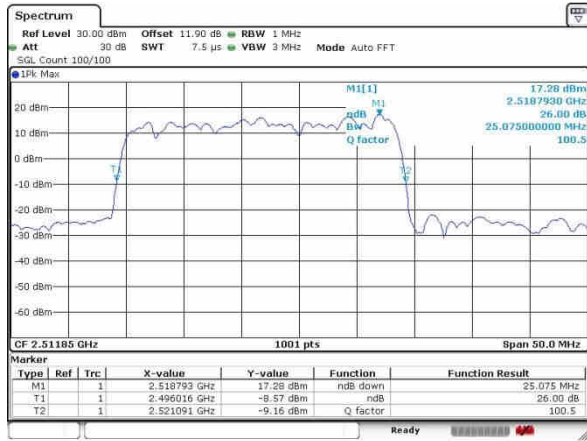
Date: 30 SEP 2017 01:17:58



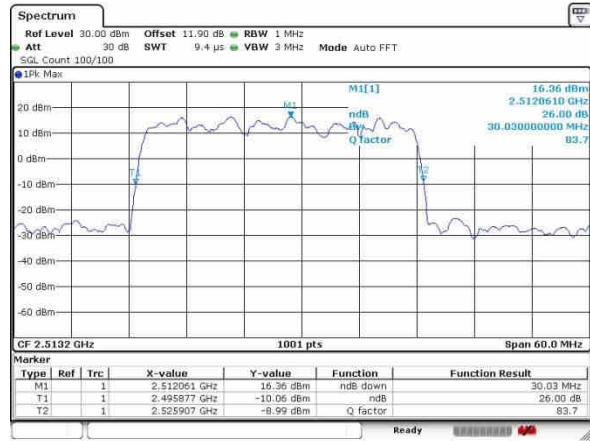
LTE Band 41

QPSK

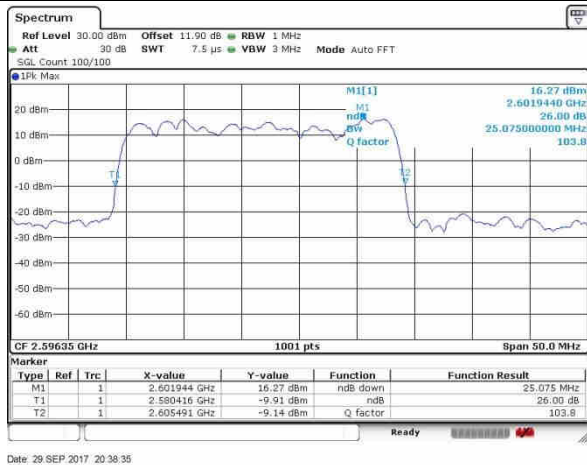
Lowest Channel / 20MHz+5MHz



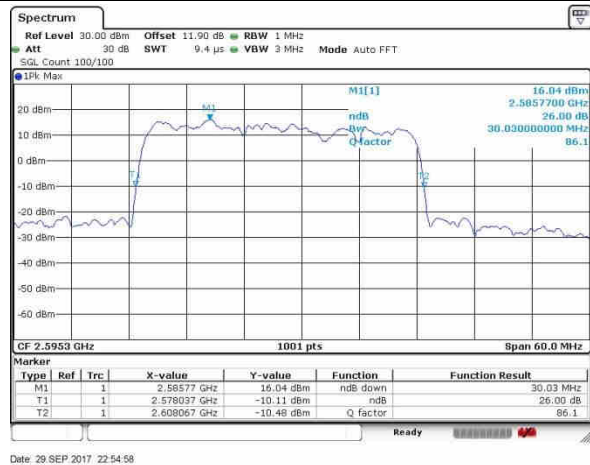
Lowest Channel / 20MHz+10MHz



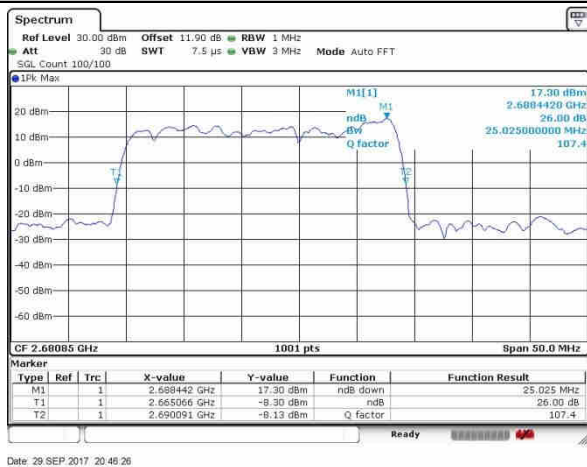
Middle Channel / 20MHz+5MHz



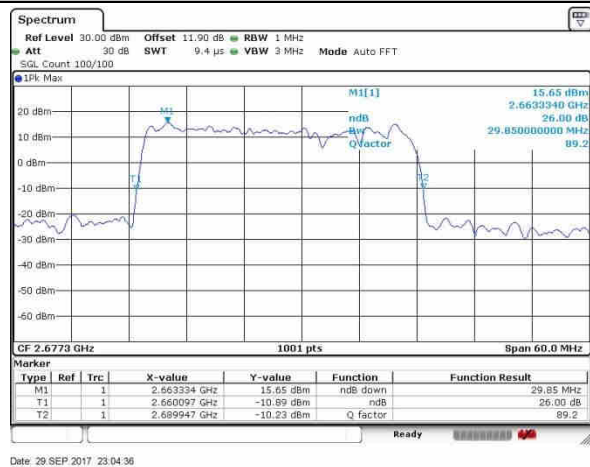
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

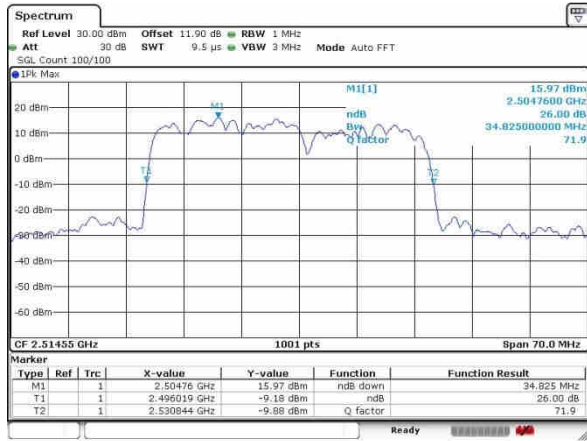




LTE Band 41

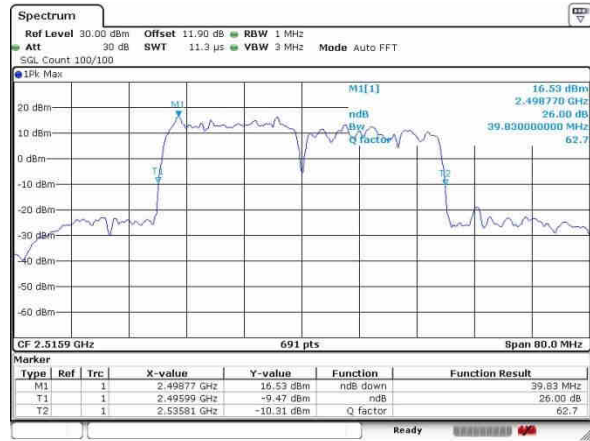
QPSK

Lowest Channel / 20MHz+15MHz



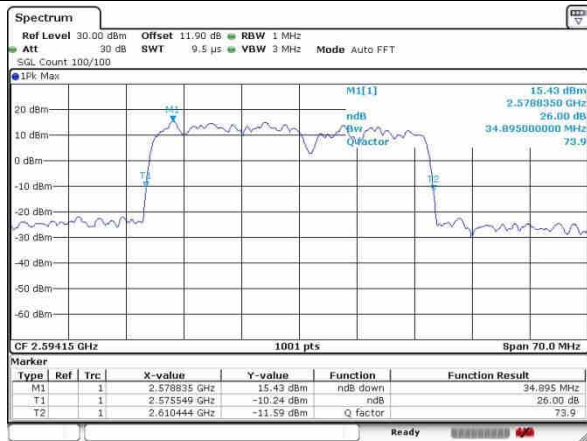
Date: 30 SEP 2017 01:40:29

Lowest Channel / 20MHz+20MHz



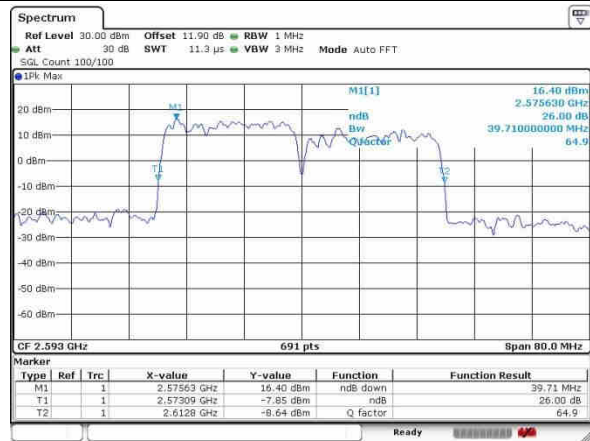
Date: 30 SEP 2017 12:38:04

Middle Channel / 20MHz+15MHz



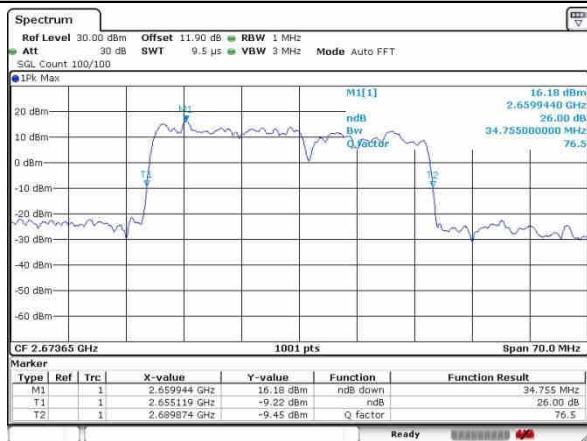
Date: 30 SEP 2017 01:41:31

Middle Channel / 20MHz+20MHz



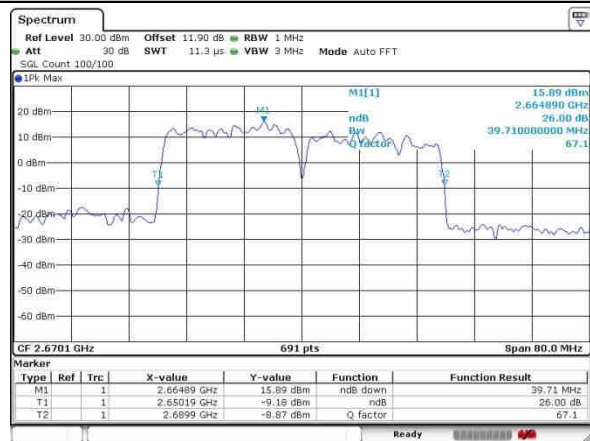
Date: 30 SEP 2017 12:45:56

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 01:45:30

Highest Channel / 20MHz+20MHz



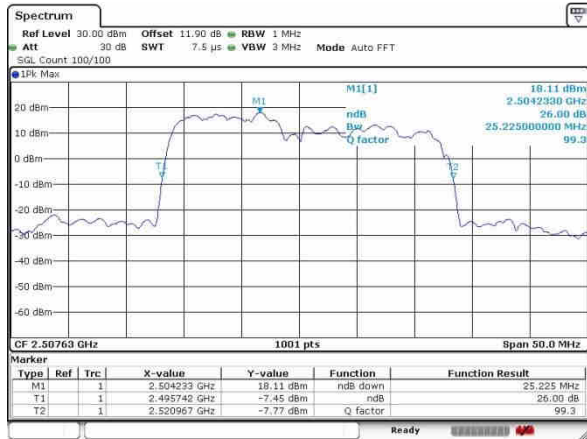
Date: 30 SEP 2017 12:47:16



LTE Band 41

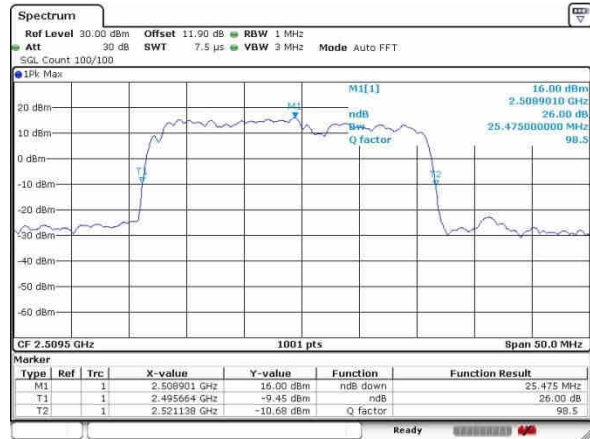
QPSK

Lowest Channel / 10MHz+15MHz



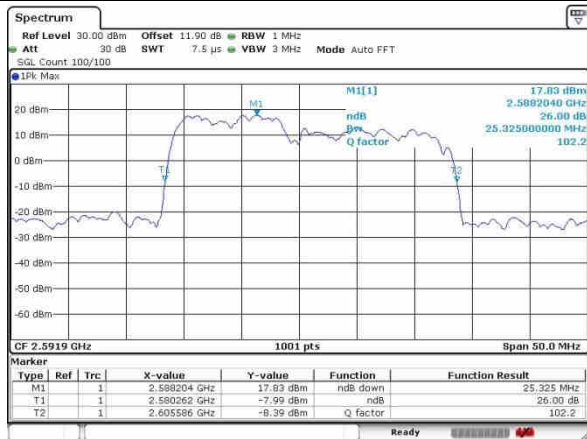
Date: 30.OCT.2017 14:03:46

Lowest Channel / 15MHz+10MHz



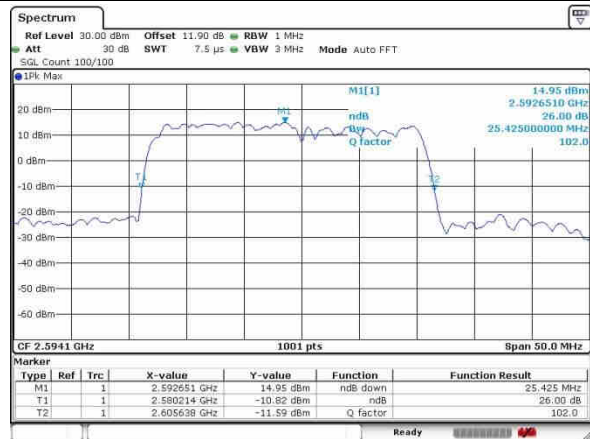
Date: 30.OCT.2017 22:10:15

Middle Channel / 10MHz+15MHz



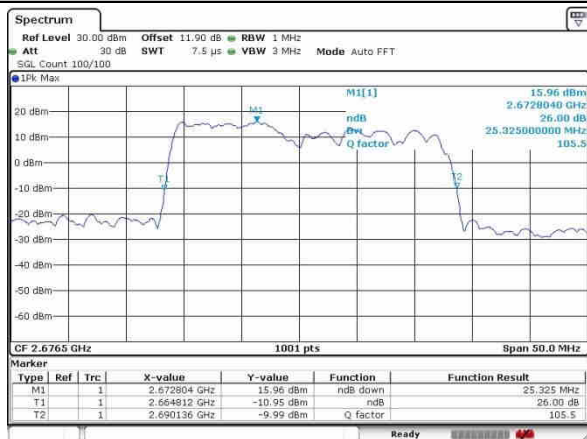
Date: 30.OCT.2017 14:13:21

Middle Channel / 15MHz+10MHz



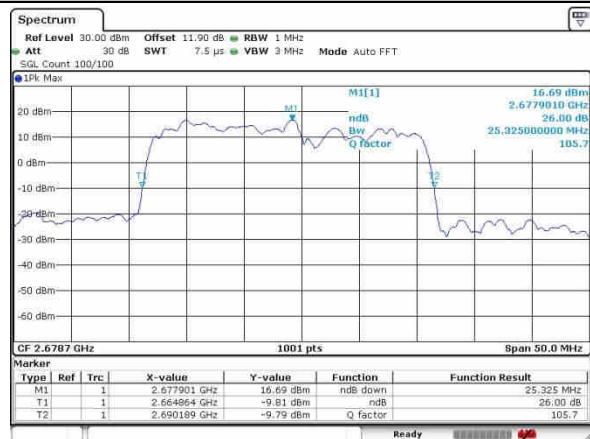
Date: 30.OCT.2017 21:51:45

Highest Channel / 10MHz+15MHz



Date: 30.OCT.2017 14:29:53

Highest Channel / 15MHz+10MHz



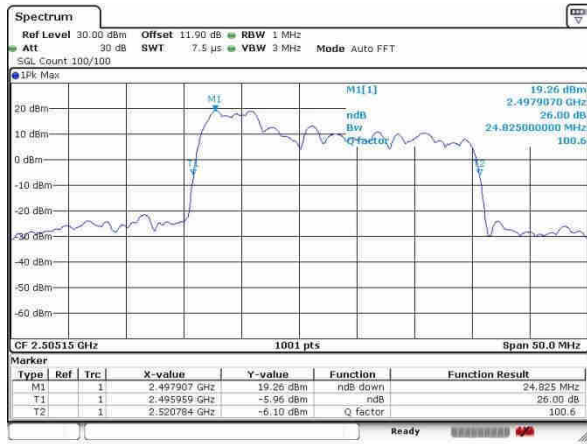
Date: 30.OCT.2017 23:44:23



LTE Band 41

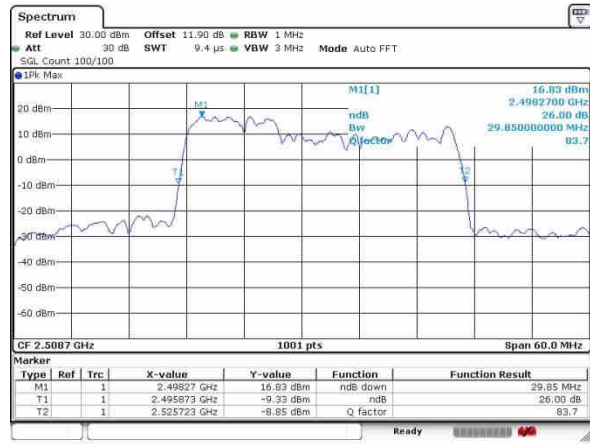
16QAM

Lowest Channel / 5MHz+20MHz



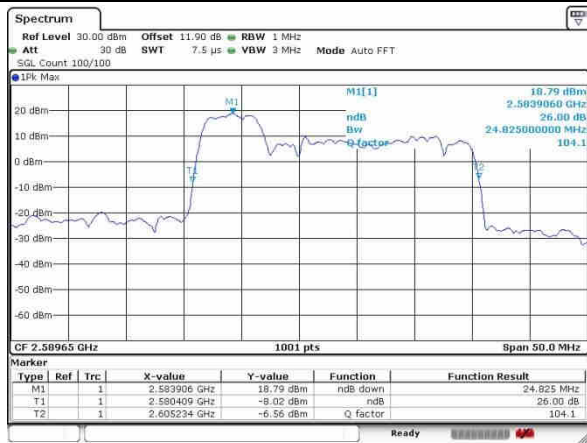
Date: 29 SEP 2017 19:42:27

Lowest Channel / 10MHz+20MHz



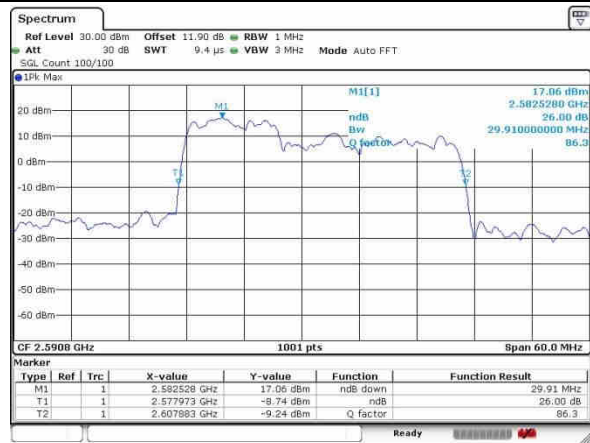
Date: 29 SEP 2017 21:12:43

Middle Channel / 5MHz+20MHz



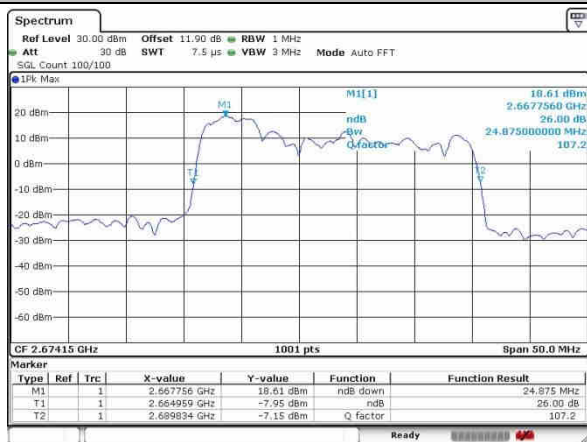
Date: 29 SEP 2017 19:50:12

Middle Channel / 10MHz+20MHz



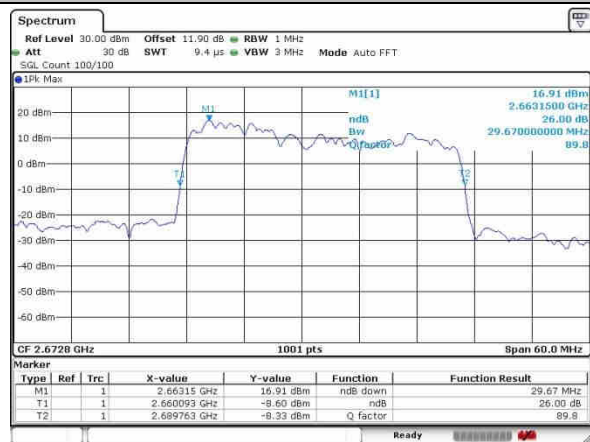
Date: 29 SEP 2017 21:14:46

Highest Channel / 5MHz+20MHz



Date: 29 SEP 2017 20:11:19

Highest Channel / 10MHz+20MHz



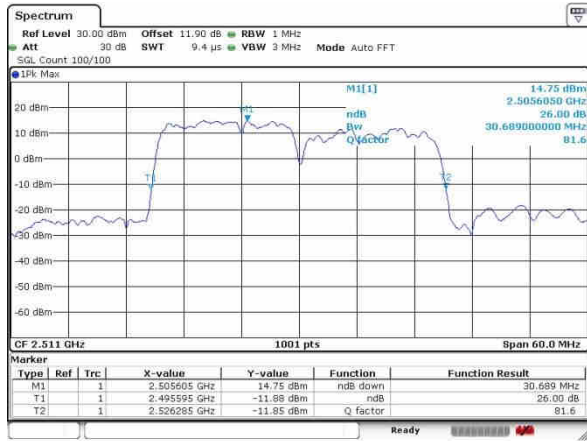
Date: 29 SEP 2017 21:18:31



LTE Band 41

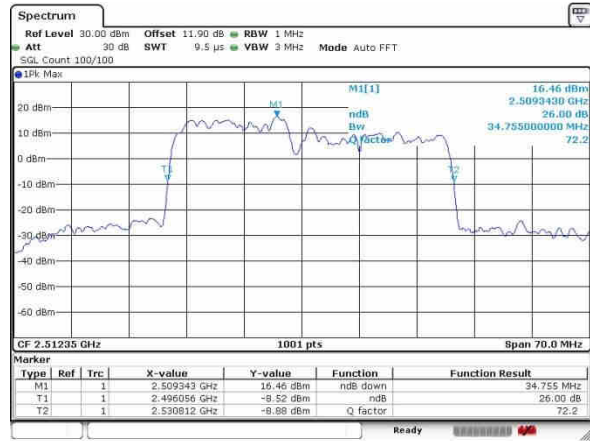
16QAM

Lowest Channel / 15MHz+15MHz



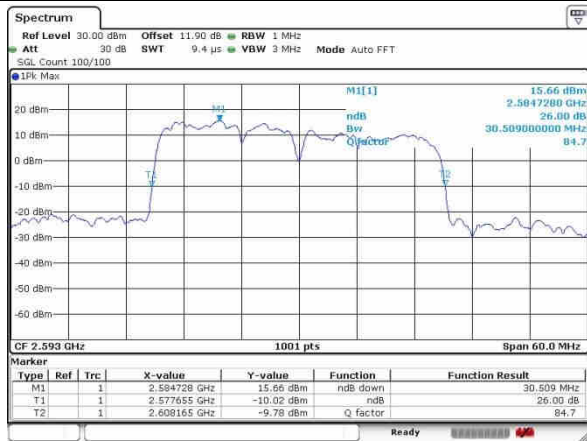
Date: 29 SEP 2017 23:47:04

Lowest Channel / 15MHz+20MHz



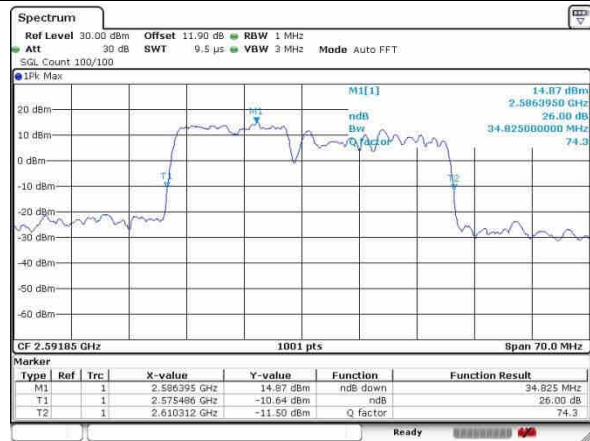
Date: 30 SEP 2017 01:12:56

Middle Channel / 15MHz+15MHz



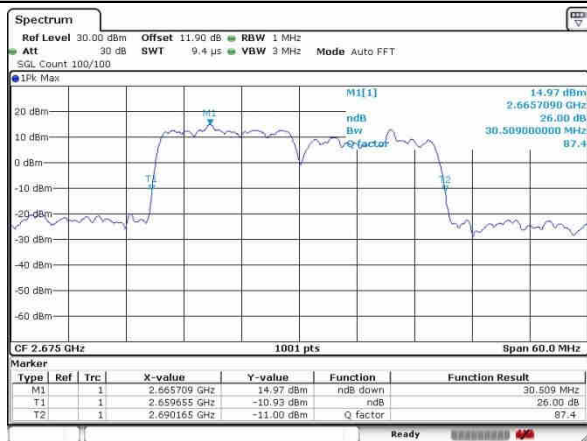
Date: 30 SEP 2017 00:11:52

Middle Channel / 15MHz+20MHz



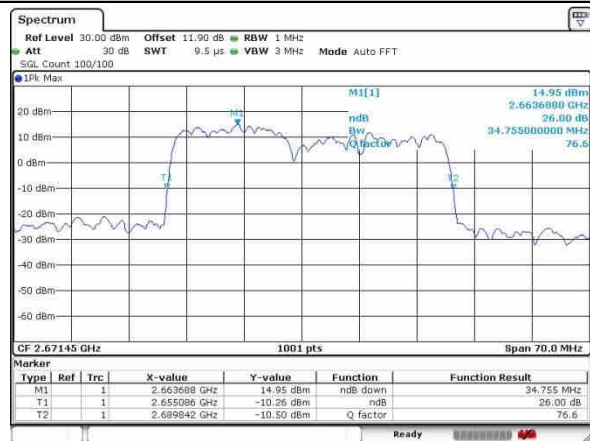
Date: 30 SEP 2017 01:14:32

Highest Channel / 15MHz+15MHz



Date: 30 SEP 2017 00:31:26

Highest Channel / 15MHz+20MHz



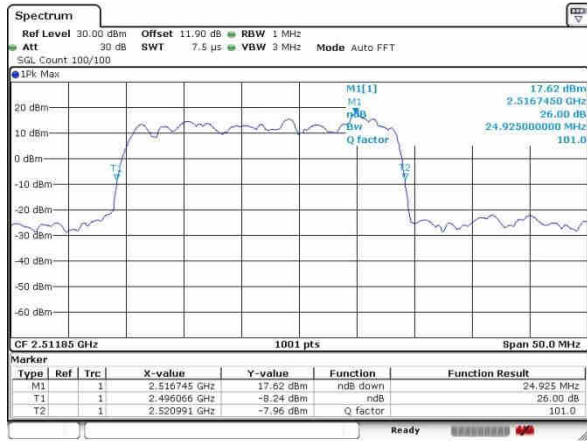
Date: 30 SEP 2017 01:17:42



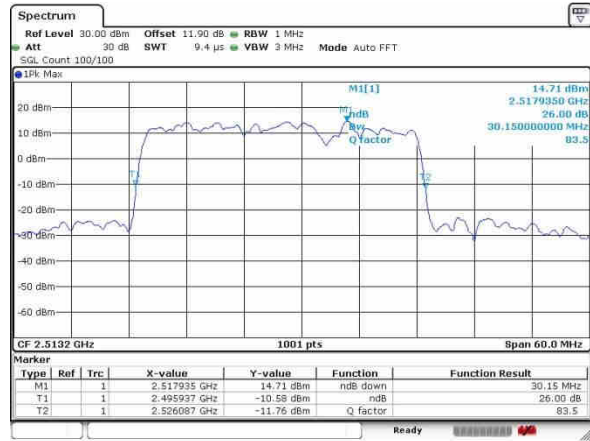
LTE Band 41

16QAM

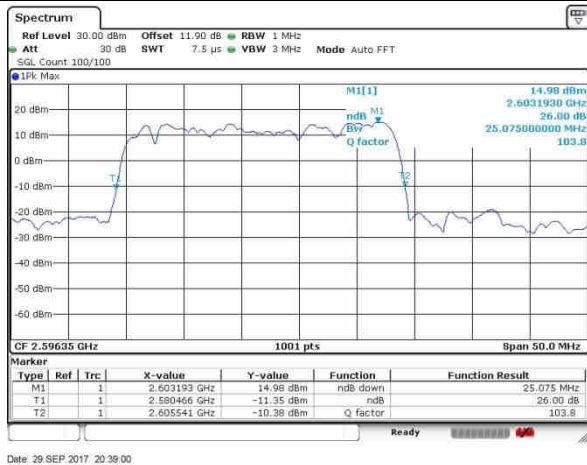
Lowest Channel / 20MHz+5MHz



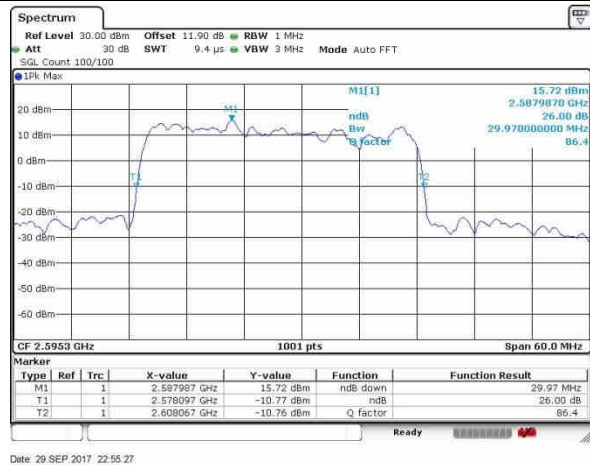
Lowest Channel / 20MHz+10MHz



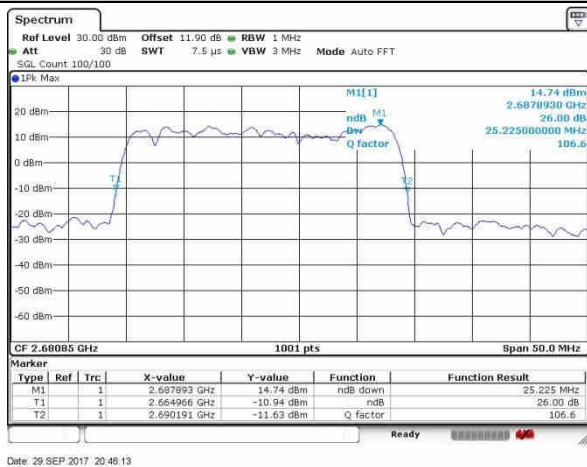
Middle Channel / 20MHz+5MHz



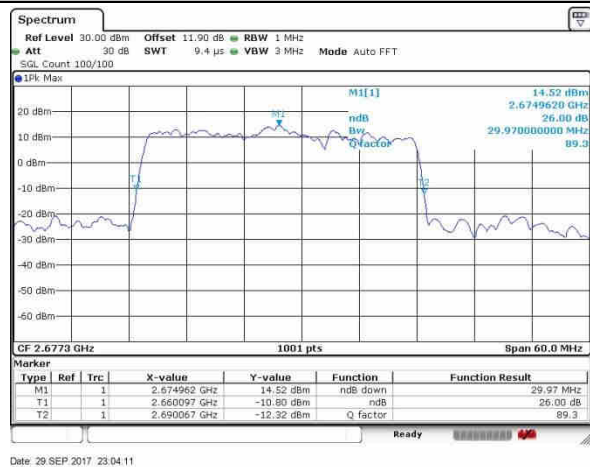
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

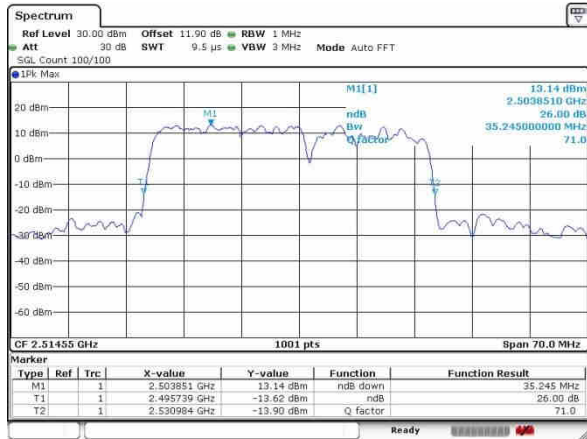




LTE Band 41

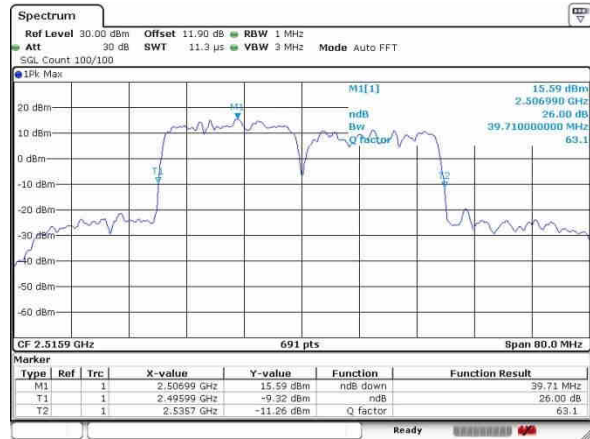
16QAM

Lowest Channel / 20MHz+15MHz



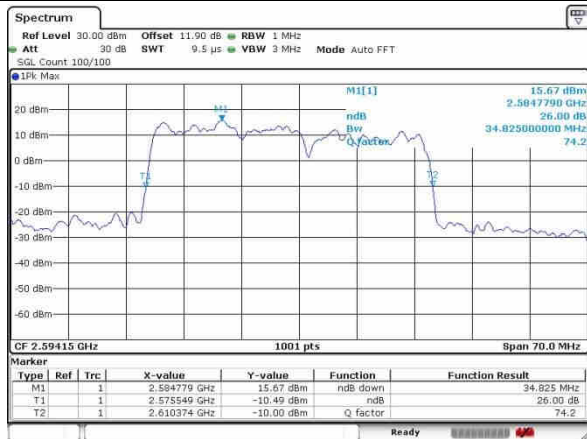
Date: 30 SEP 2017 01:40:18

Lowest Channel / 20MHz+20MHz



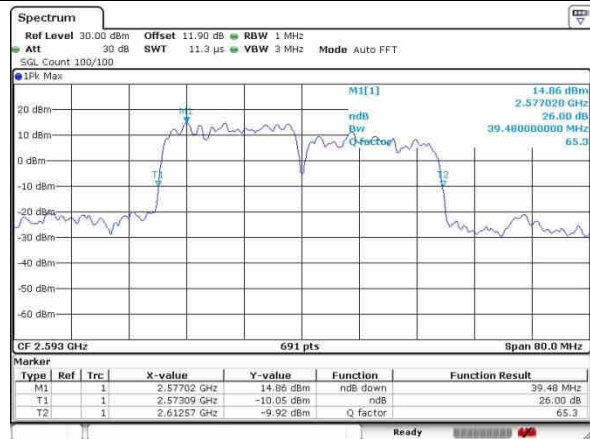
Date: 30 SEP 2017 12:38:50

Middle Channel / 20MHz+15MHz



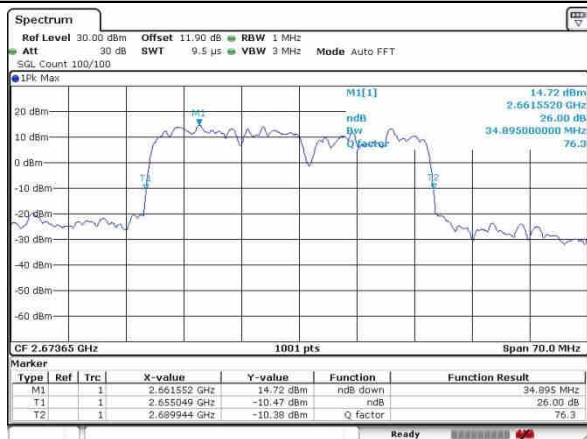
Date: 30 SEP 2017 01:41:49

Middle Channel / 20MHz+20MHz



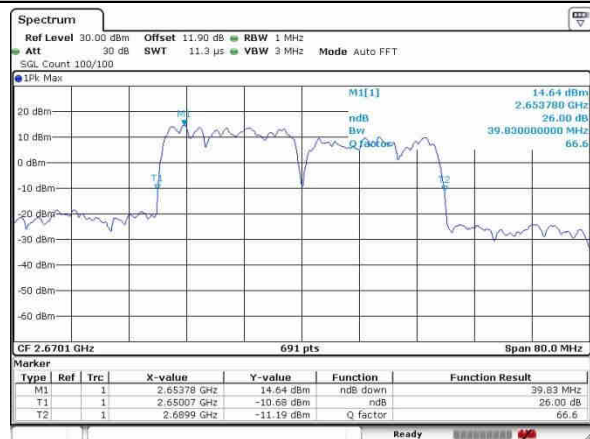
Date: 30 SEP 2017 12:45:47

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 01:45:19

Highest Channel / 20MHz+20MHz



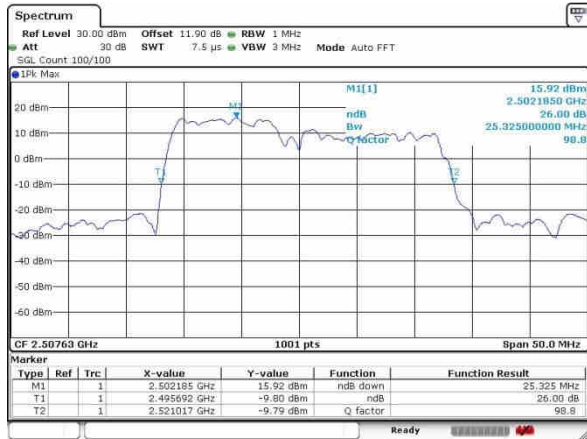
Date: 30 SEP 2017 12:47:31



LTE Band 41

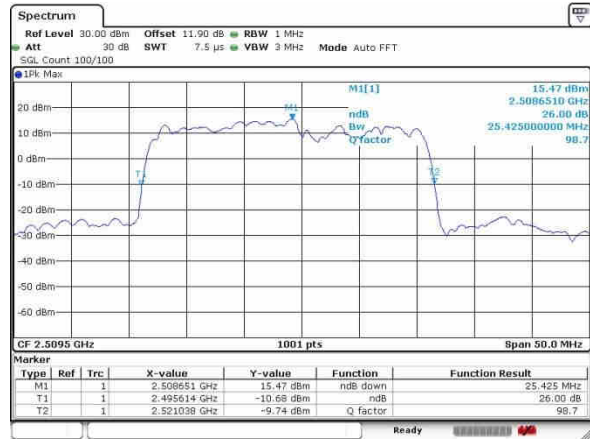
16QAM

Lowest Channel / 10MHz+15MHz



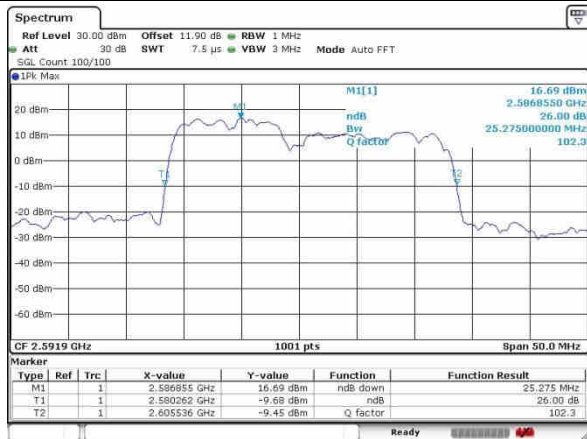
Date: 30.OCT.2017 14:04:11

Lowest Channel / 15MHz+10MHz



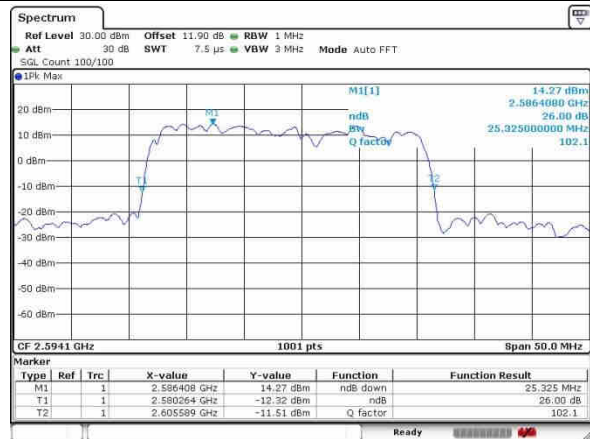
Date: 30.OCT.2017 22:09:57

Middle Channel / 10MHz+15MHz



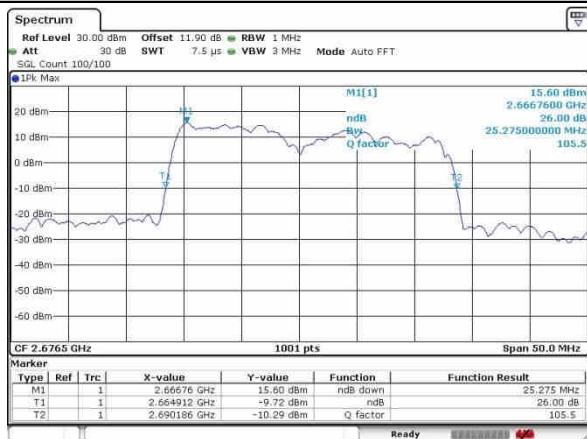
Date: 30.OCT.2017 14:13:03

Middle Channel / 15MHz+10MHz



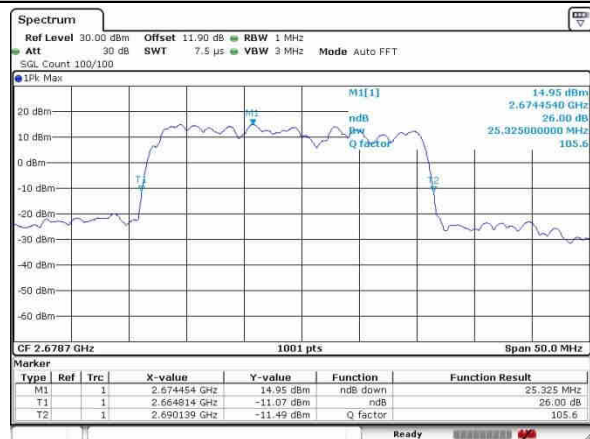
Date: 30.OCT.2017 21:52:16

Highest Channel / 10MHz+15MHz



Date: 30.OCT.2017 14:21:17

Highest Channel / 15MHz+10MHz



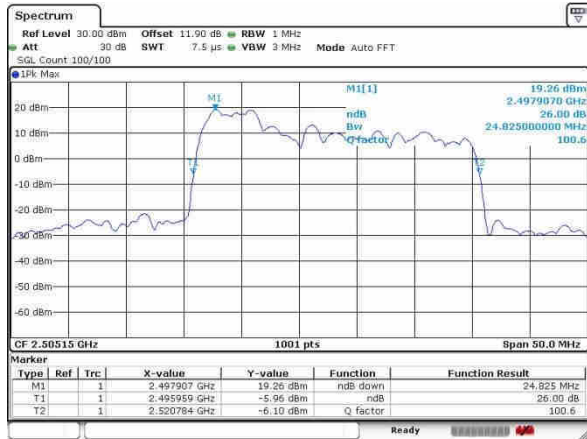
Date: 30.OCT.2017 23:44:00



LTE Band 41

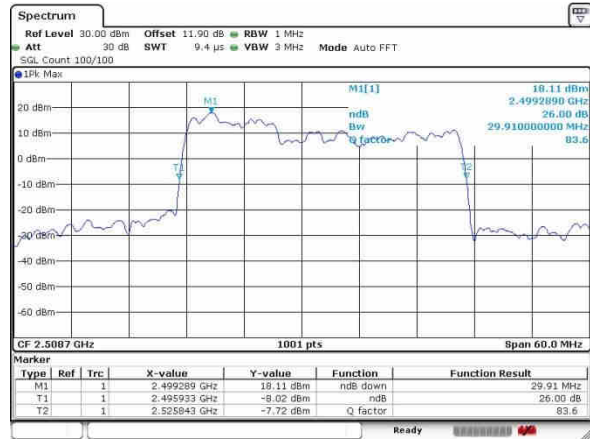
64QAM

Lowest Channel / 5MHz+20MHz



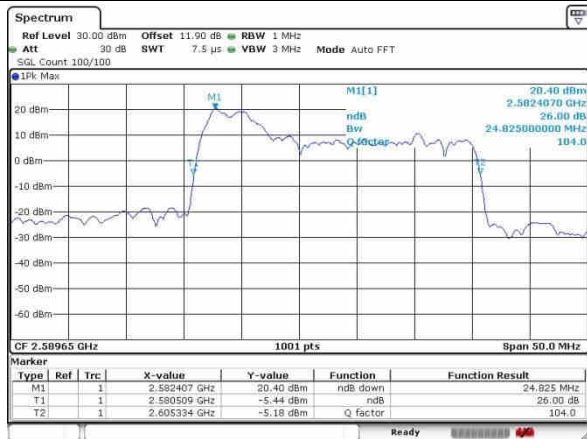
Date: 29 SEP 2017 19:42:27

Lowest Channel / 10MHz+20MHz



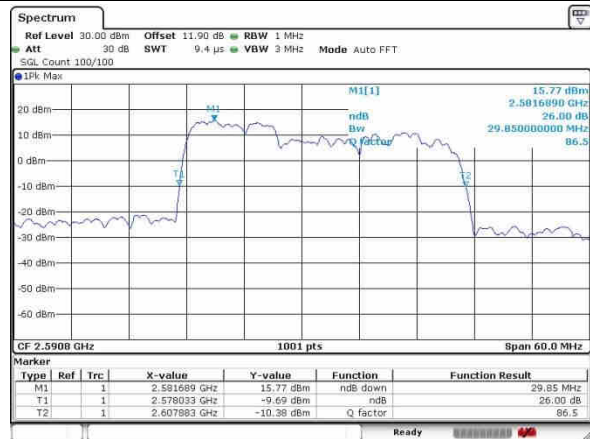
Date: 29 SEP 2017 21:12:23

Middle Channel / 5MHz+20MHz



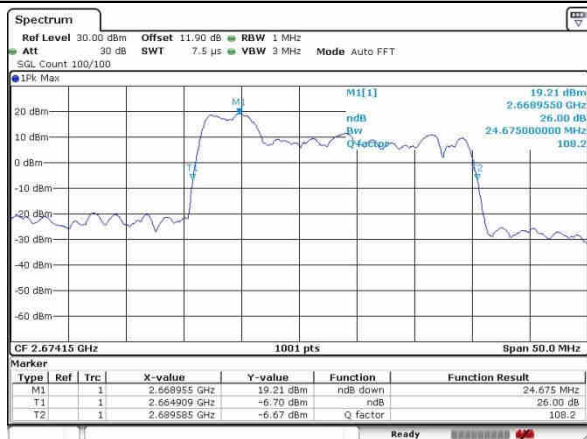
Date: 29 SEP 2017 19:49:20

Middle Channel / 10MHz+20MHz



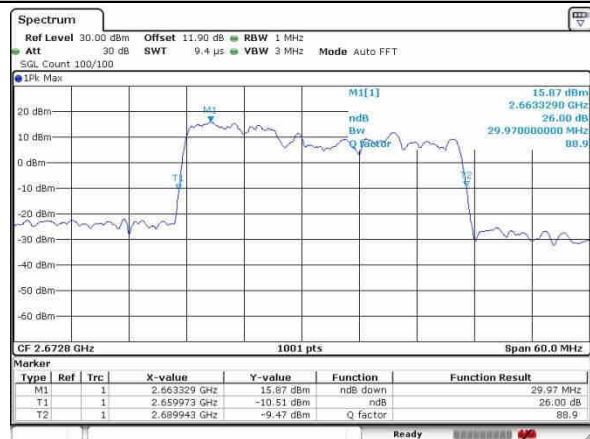
Date: 29 SEP 2017 21:15:00

Highest Channel / 5MHz+20MHz



Date: 29 SEP 2017 20:11:03

Highest Channel / 10MHz+20MHz



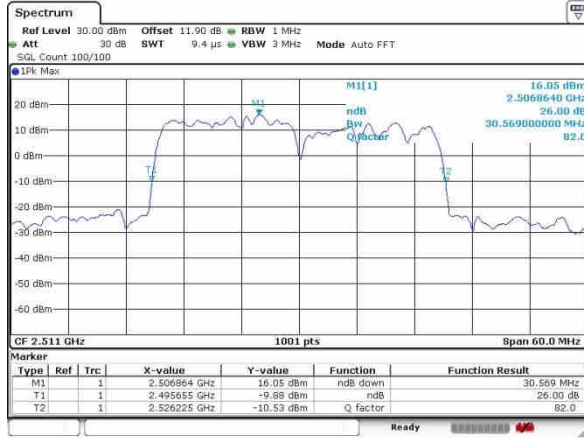
Date: 29 SEP 2017 21:18:13



LTE Band 41

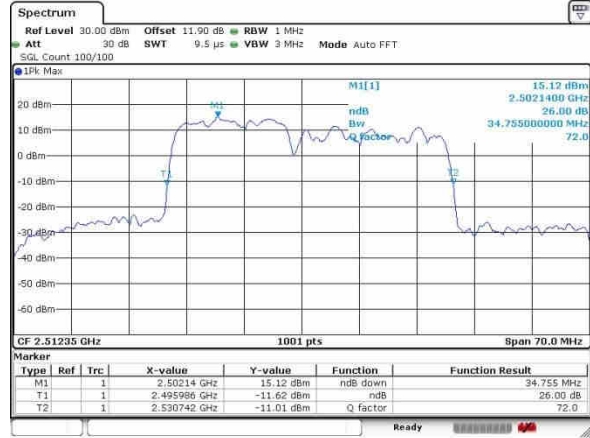
64QAM

Lowest Channel / 15MHz+15MHz



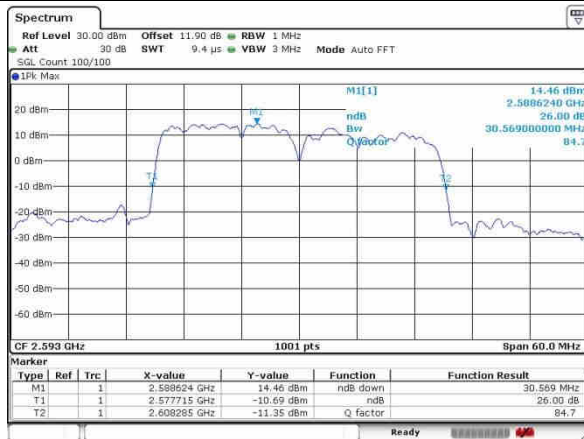
Date: 29 SEP 2017 23:48:42

Lowest Channel / 15MHz+20MHz



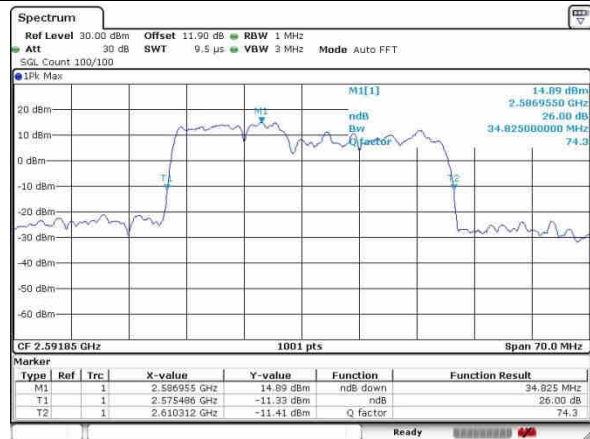
Date: 30 SEP 2017 01:12:38

Middle Channel / 15MHz+15MHz



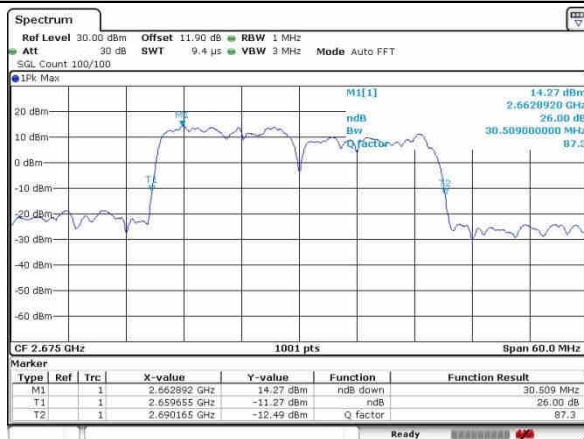
Date: 30 SEP 2017 00:12:03

Middle Channel / 15MHz+20MHz



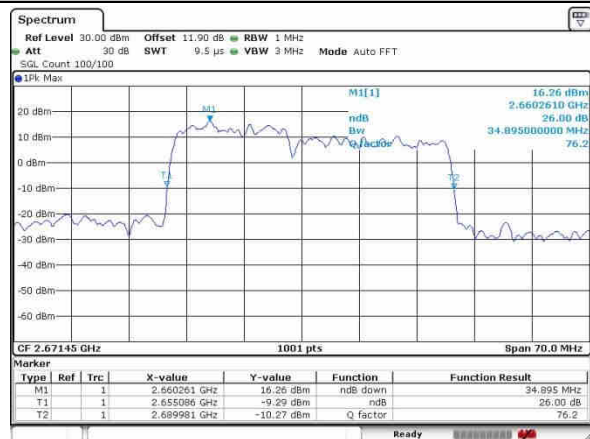
Date: 30 SEP 2017 01:14:48

Highest Channel / 15MHz+15MHz



Date: 30 SEP 2017 00:31:41

Highest Channel / 15MHz+20MHz



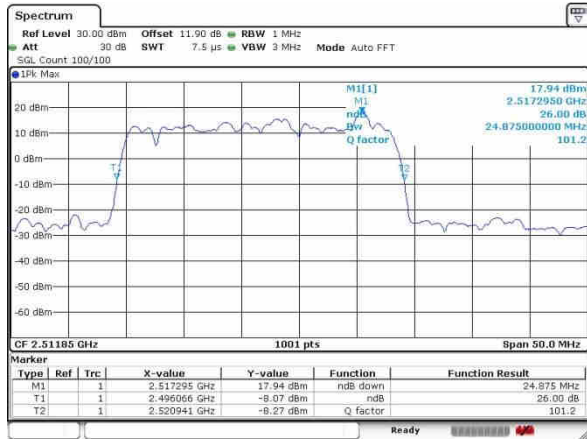
Date: 30 SEP 2017 01:17:30



LTE Band 41

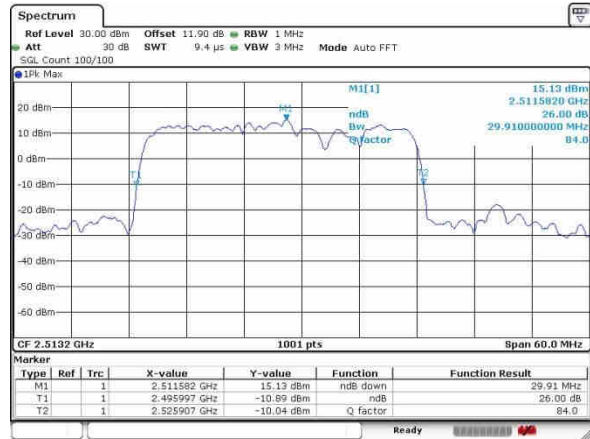
64QAM

Lowest Channel / 20MHz+5MHz



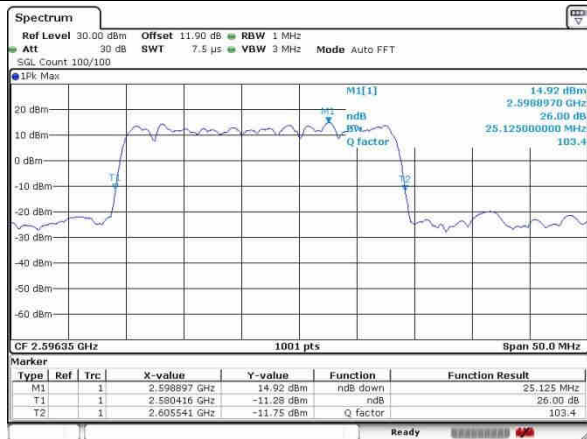
Date: 29 SEP 2017 20:32:41

Lowest Channel / 20MHz+10MHz



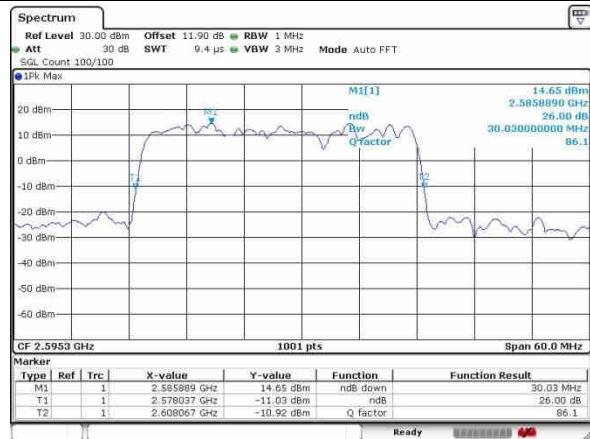
Date: 29 SEP 2017 22:53:14

Middle Channel / 20MHz+5MHz



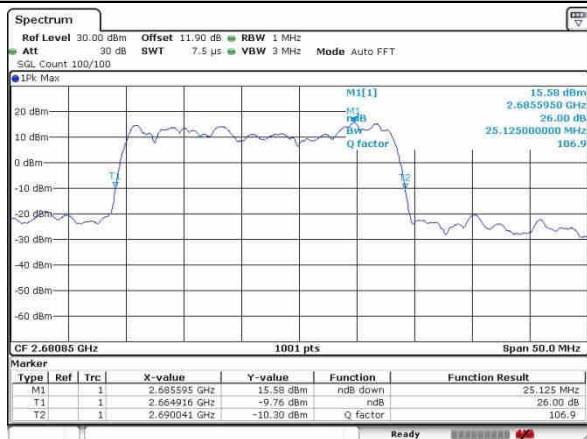
Date: 29 SEP 2017 20:43:01

Middle Channel / 20MHz+10MHz



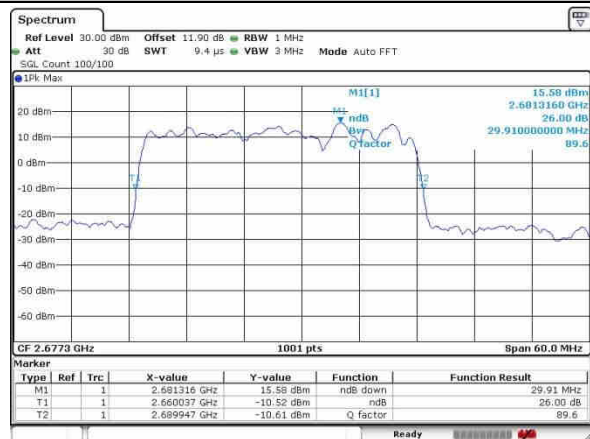
Date: 29 SEP 2017 22:55:43

Highest Channel / 20MHz+5MHz



Date: 29 SEP 2017 20:45:56

Highest Channel / 20MHz+10MHz



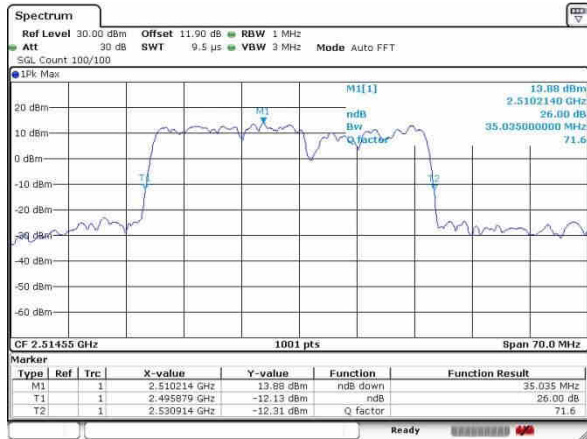
Date: 29 SEP 2017 23:03:36



LTE Band 41

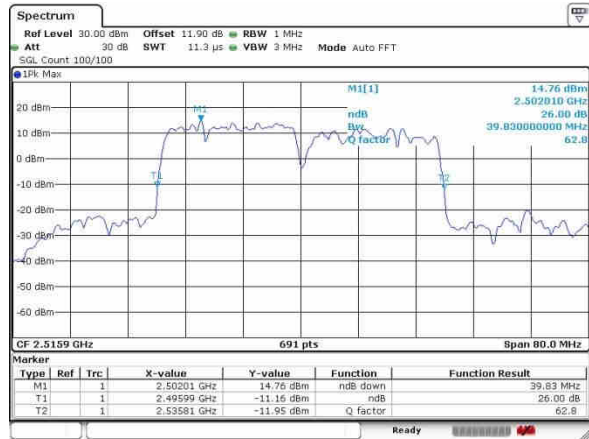
64QAM

Lowest Channel / 20MHz+15MHz



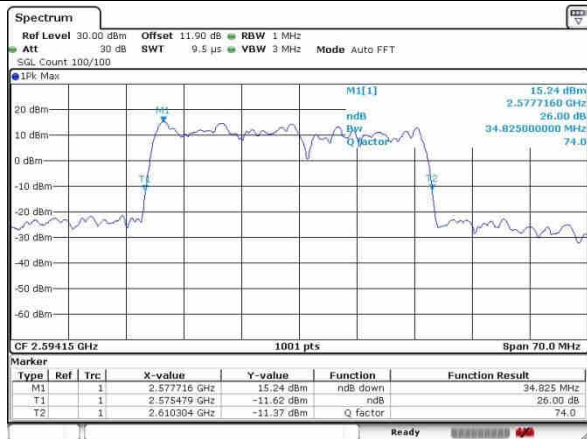
Date: 30 SEP 2017 01:40:03

Lowest Channel / 20MHz+20MHz



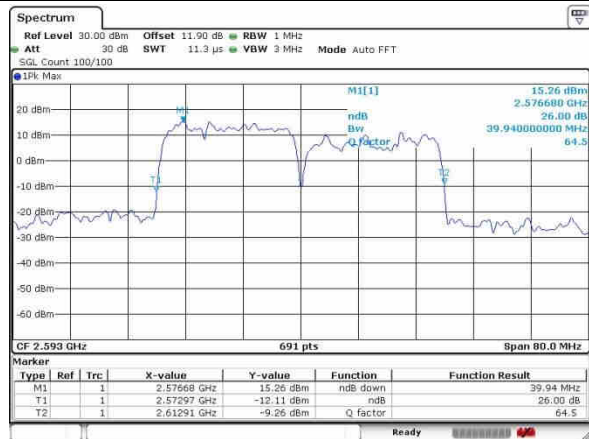
Date: 30 SEP 2017 12:38:40

Middle Channel / 20MHz+15MHz



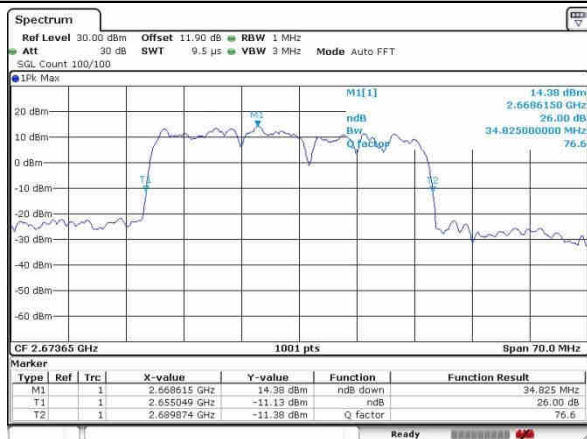
Date: 30 SEP 2017 01:42:01

Middle Channel / 20MHz+20MHz



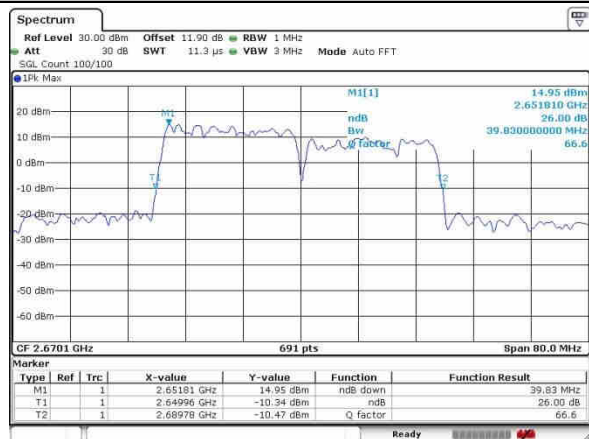
Date: 30 SEP 2017 12:45:37

Highest Channel / 20MHz+15MHz



Date: 30 SEP 2017 01:44:59

Highest Channel / 20MHz+20MHz



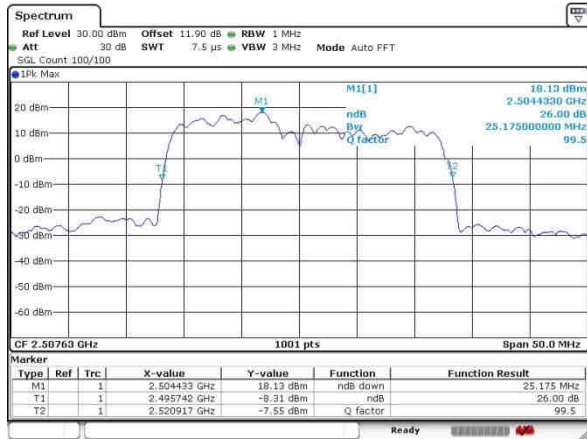
Date: 30 SEP 2017 12:47:41



LTE Band 41

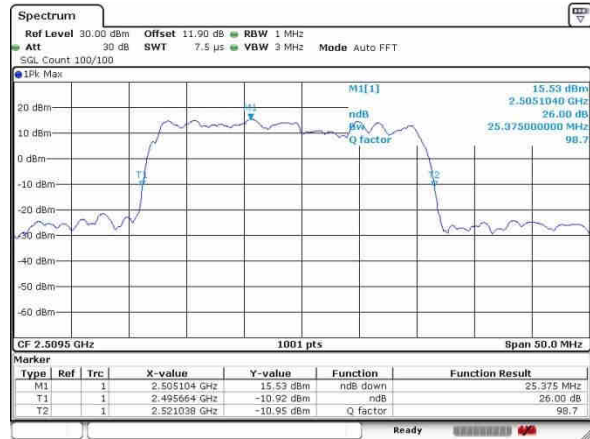
64QAM

Lowest Channel / 10MHz+15MHz



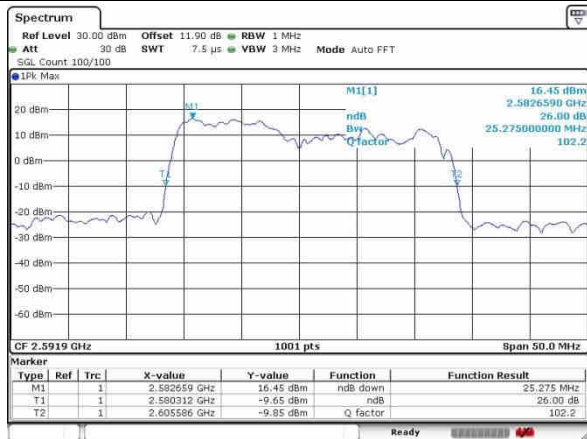
Date: 30.OCT.2017 14:06:36

Lowest Channel / 15MHz+10MHz



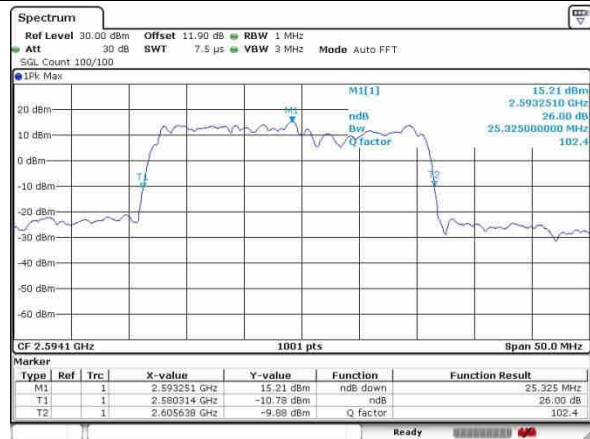
Date: 30.OCT.2017 22:09:14

Middle Channel / 10MHz+15MHz



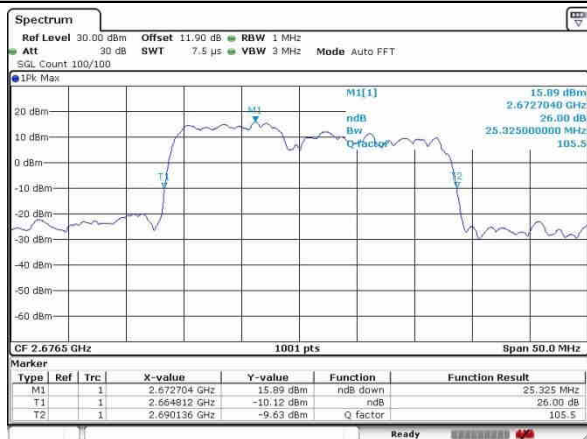
Date: 30.OCT.2017 14:11:57

Middle Channel / 15MHz+10MHz



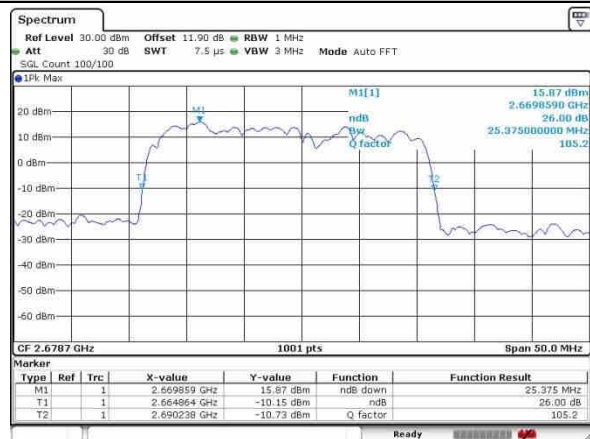
Date: 30.OCT.2017 22:12:33

Highest Channel / 10MHz+15MHz



Date: 30.OCT.2017 14:57:35

Highest Channel / 15MHz+10MHz



Date: 30.OCT.2017 23:40:42

**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	23.276	27.992	28.471	32.657	22.977
Middle CH	23.276	27.932	28.471	32.657	23.376
Highest CH	23.326	27.992	28.531	32.867	23.476
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHZ+10MHz
Lowest CH	23.076	27.992	32.657	37.742	23.226
Middle CH	23.326	28.051	32.867	37.626	23.576
Highest CH	23.326	27.992	32.867	37.626	23.526

Mode	LTE Band 41 : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	23.376	27.872	28.651	32.517	23.326
Middle CH	23.076	28.051	28.351	32.727	23.226
Highest CH	23.226	28.111	28.711	32.167	23.226
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHz+10MHz
Lowest CH	23.326	28.231	32.447	37.858	23.276
Middle CH	23.126	27.992	32.447	37.626	23.376
Highest CH	23.476	27.872	33.006	37.395	23.576

Mode	LTE Band 41 : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz	10MHz+15MHz
Lowest CH	23.276	27.992	28.471	32.517	23.326
Middle CH	23.376	27.812	28.351	32.587	23.126
Highest CH	23.476	28.051	28.351	32.657	23.376
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	15MHz+10MHz
Lowest CH	23.276	27.752	32.517	37.51	23.226
Middle CH	23.226	27.872	32.797	37.858	23.276
Highest CH	23.176	27.632	32.657	37.858	23.326