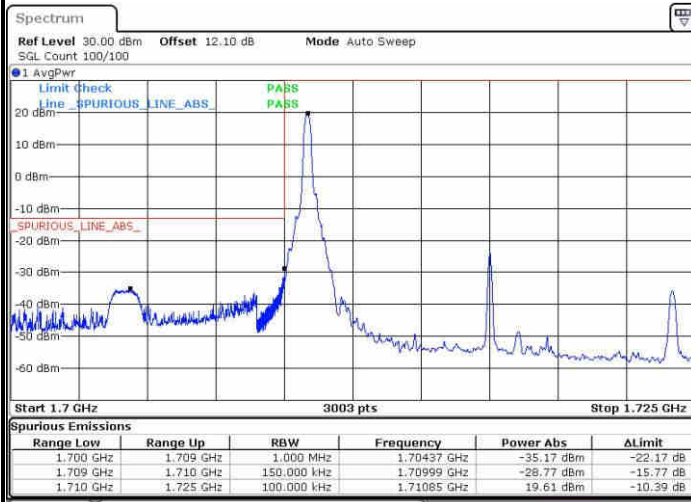


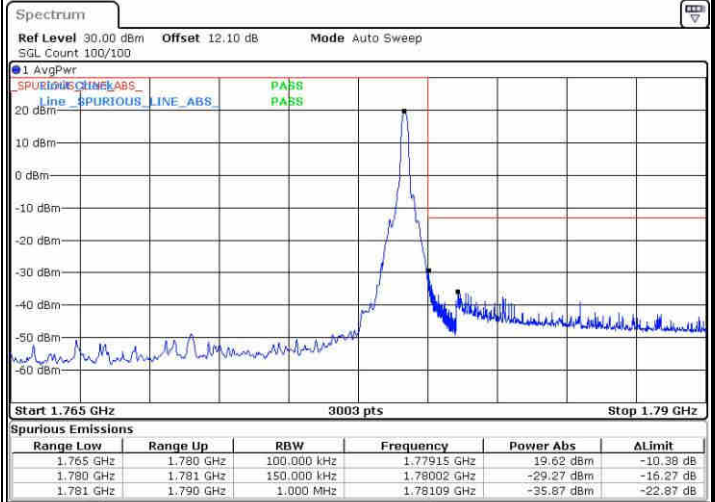


LTE Band 66 / 15MHz / 16QAM

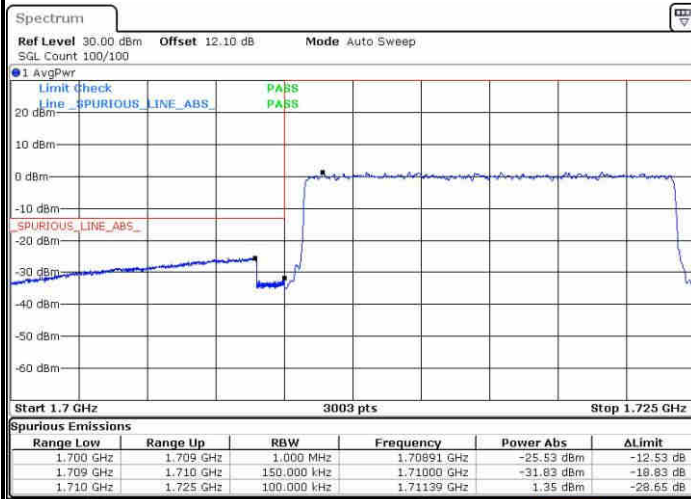
Lowest Band Edge / 1 RB



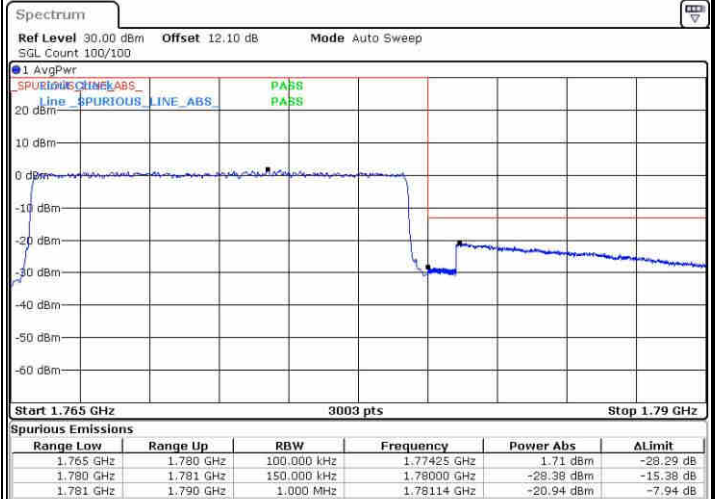
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



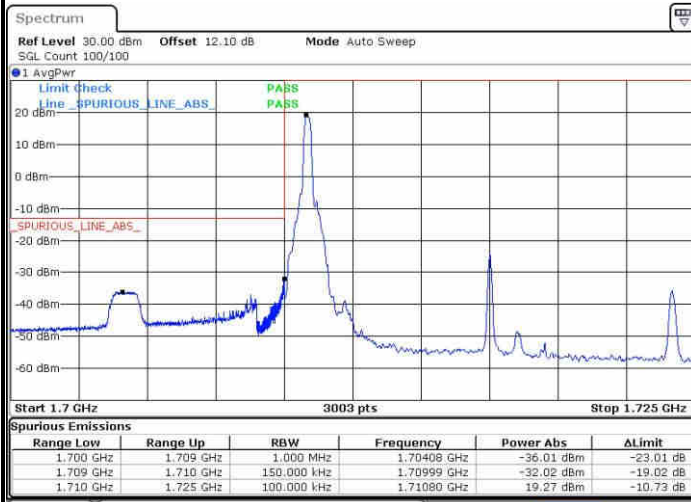
Highest Band Edge / Full RB



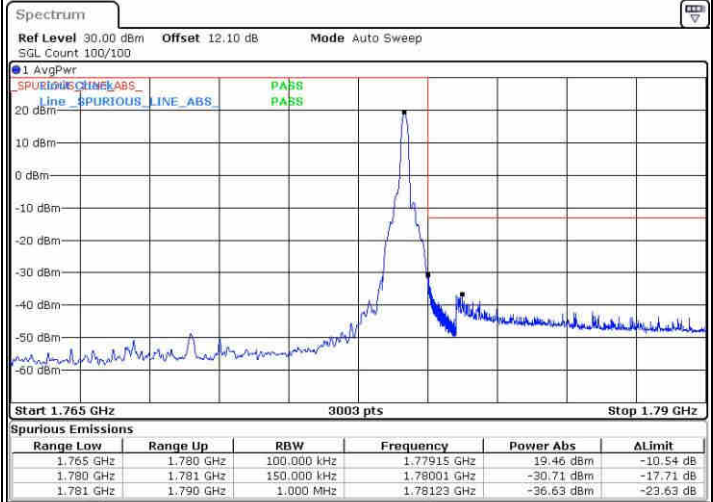


LTE Band 66 / 15MHz / 64QAM

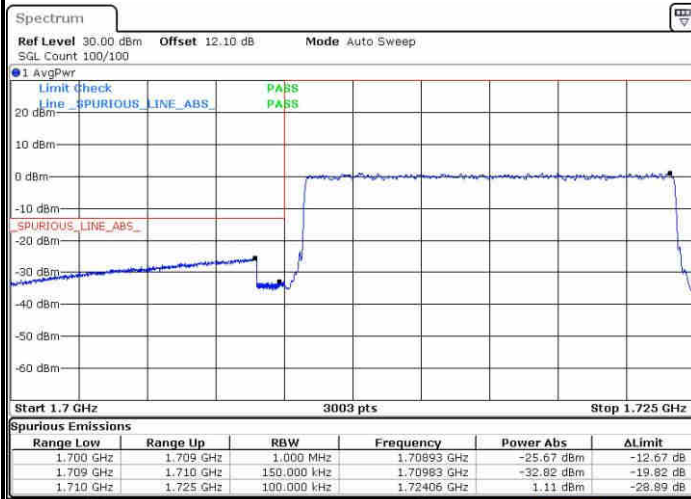
Lowest Band Edge / 1 RB



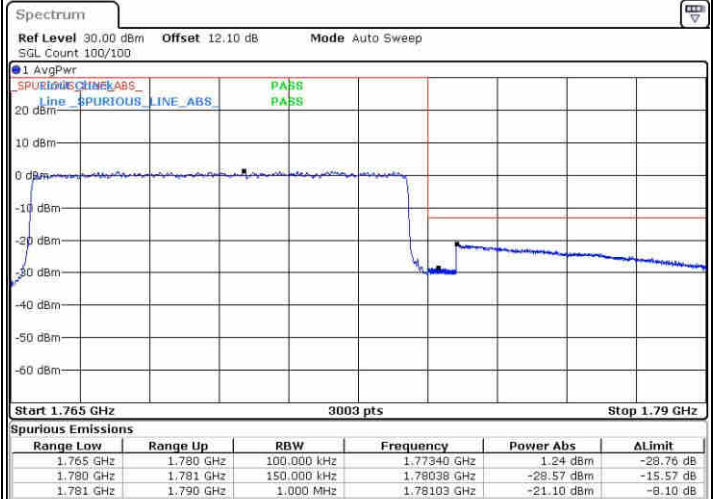
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



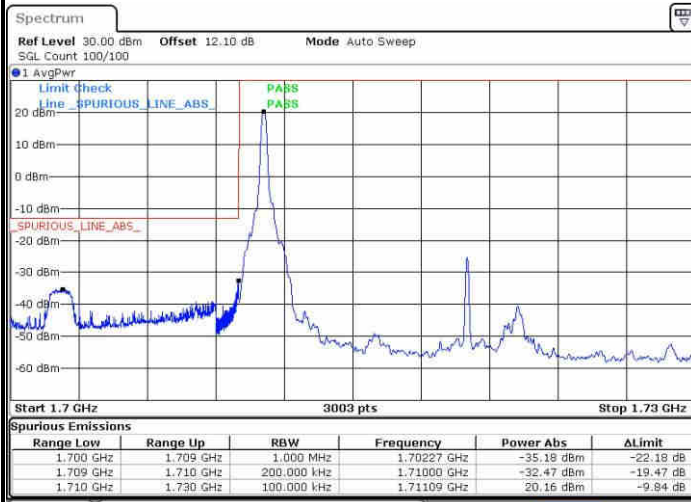
Highest Band Edge / Full RB



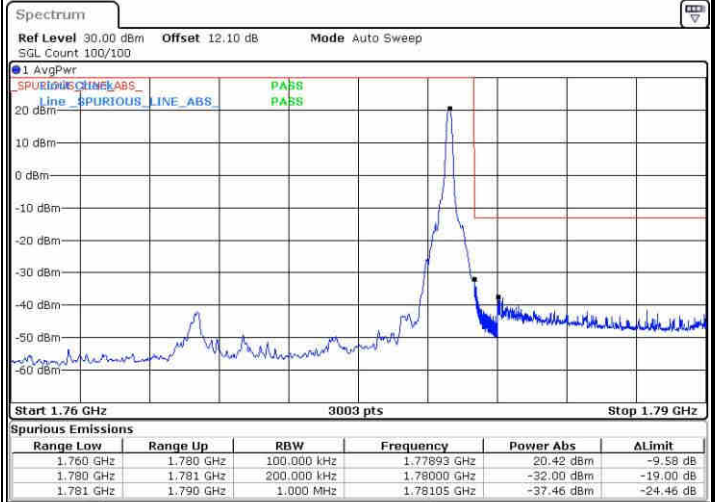


LTE Band 66 / 20MHz / QPSK

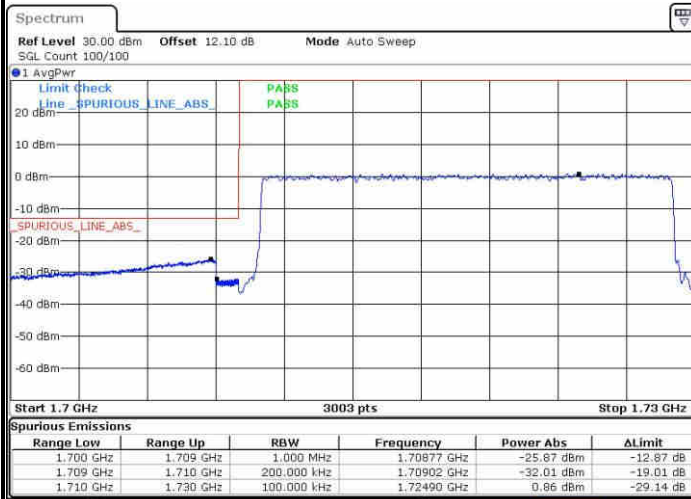
Lowest Band Edge / 1 RB



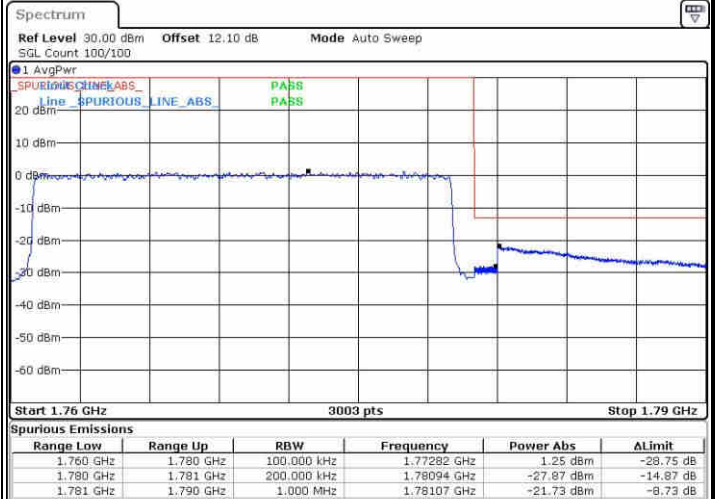
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



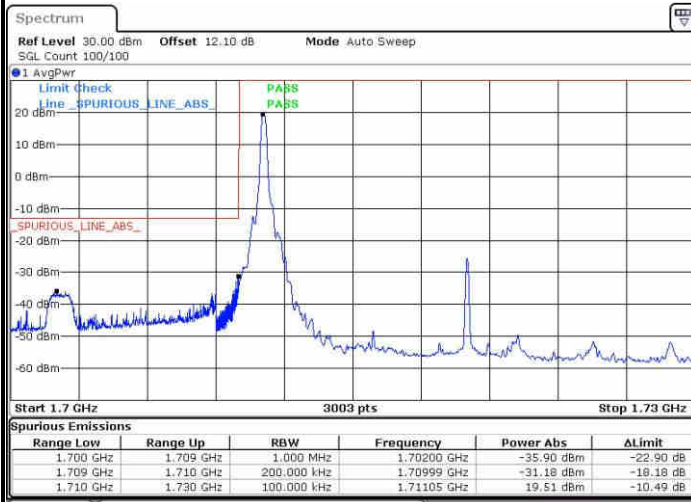
Highest Band Edge / Full RB



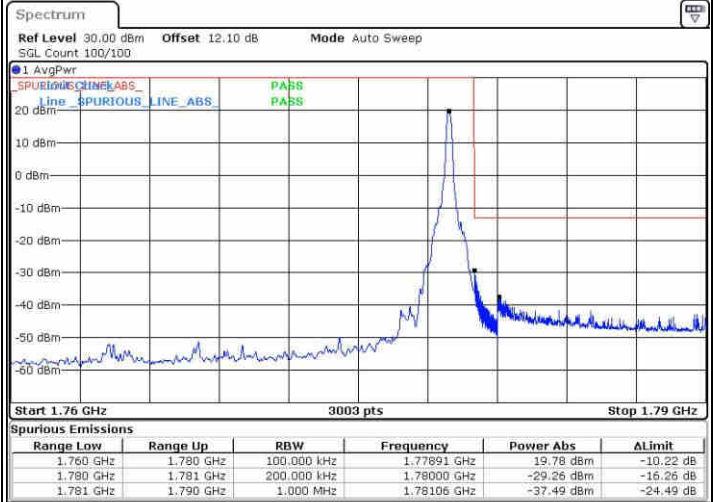


LTE Band 66 / 20MHz / 16QAM

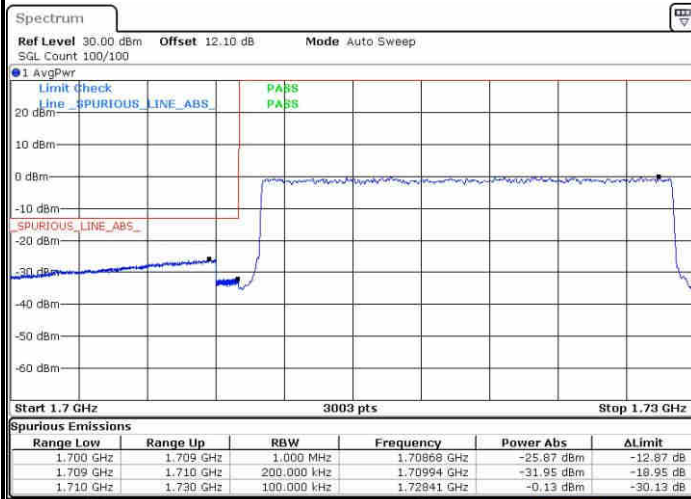
Lowest Band Edge / 1 RB



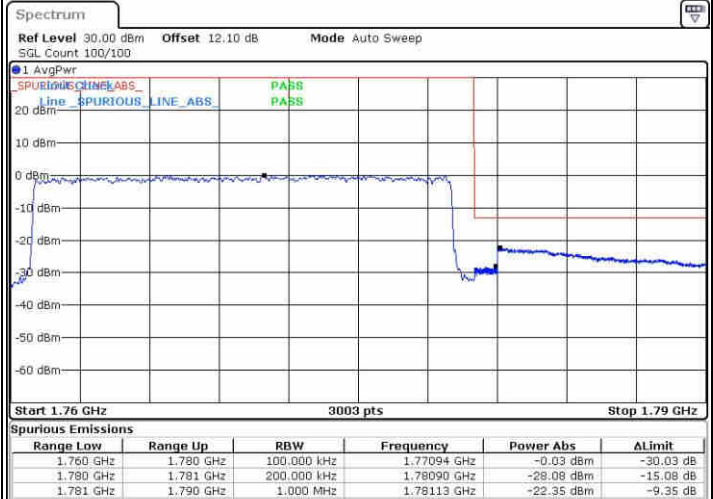
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



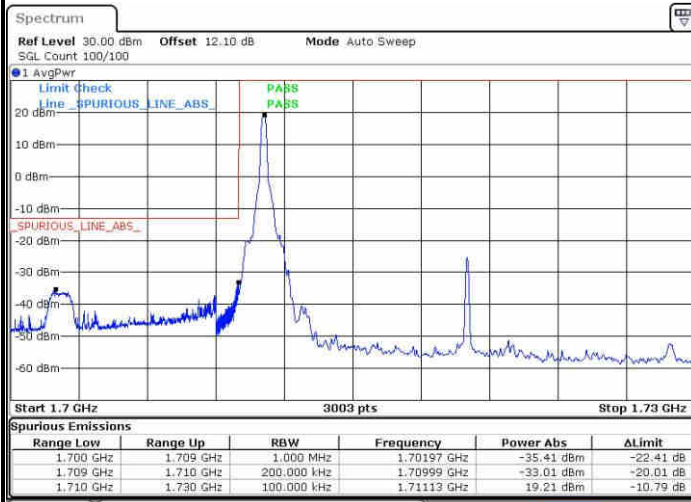
Highest Band Edge / Full RB



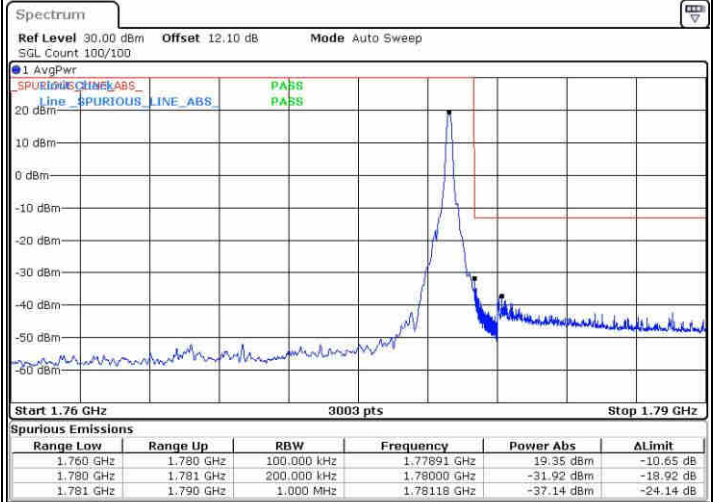


LTE Band 66 / 20MHz / 64QAM

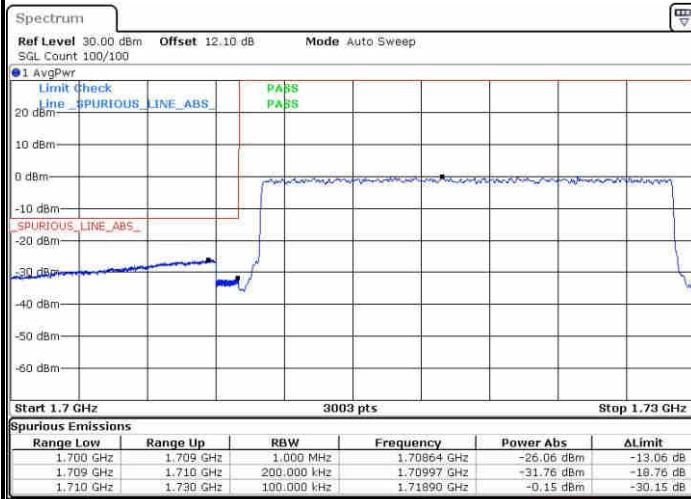
Lowest Band Edge / 1 RB



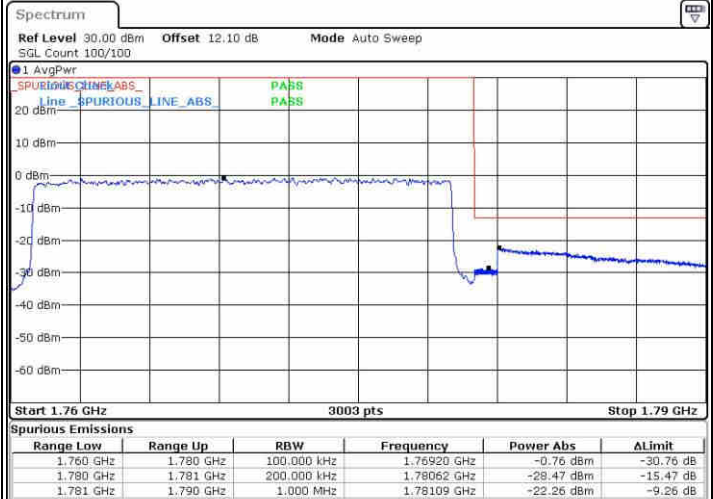
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

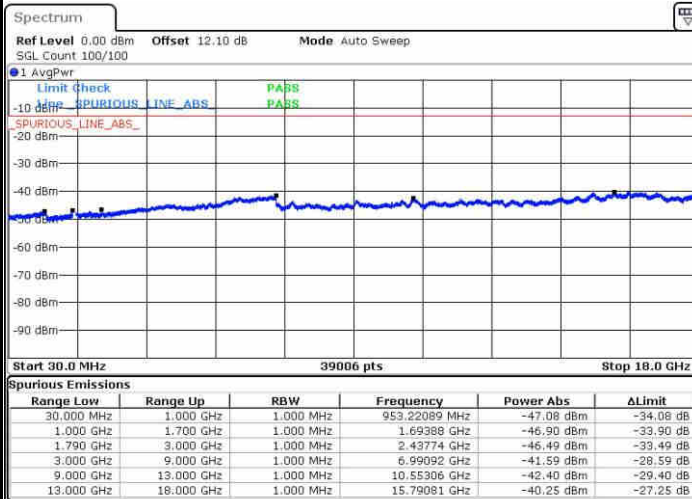




Conducted Spurious Emission

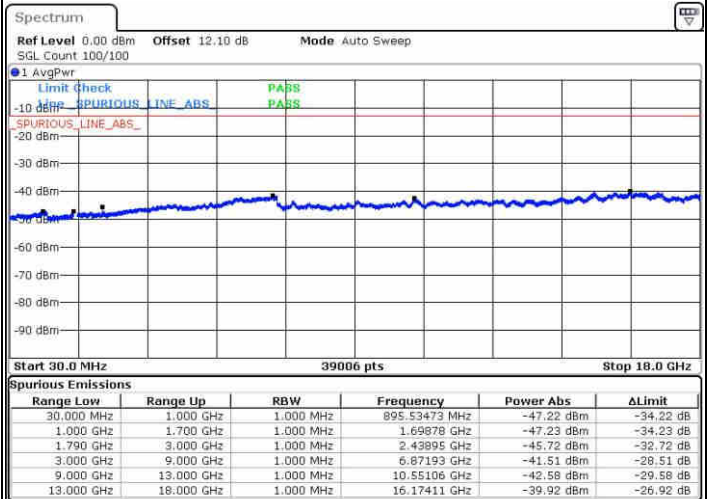
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



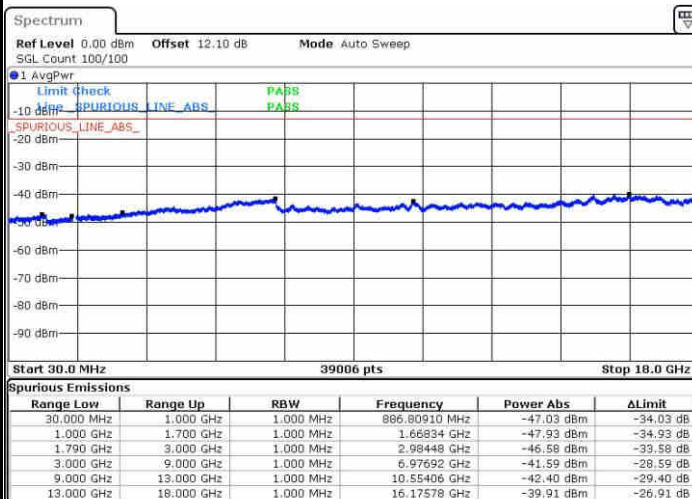
Date: 19 APR 2019 02:26:02

Lowest Channel / 16QAM



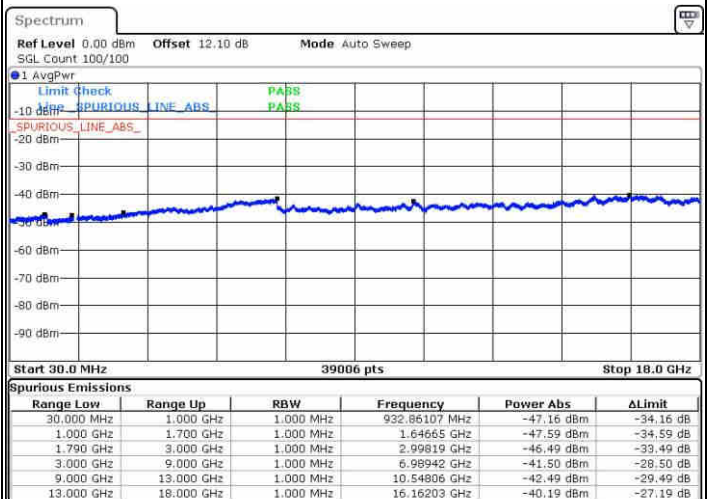
Date: 19 APR 2019 02:26:52

Middle Channel / QPSK



Date: 19 APR 2019 02:45:22

Middle Channel / 16QAM

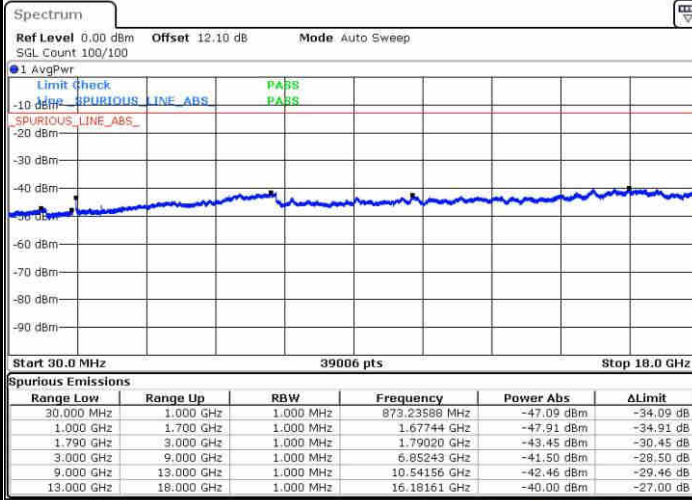


Date: 19 APR 2019 02:46:12



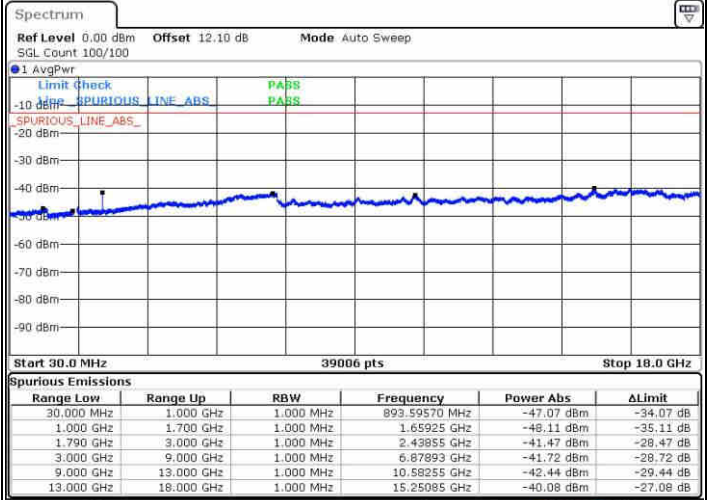
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 19 APR 2019 02:52:31

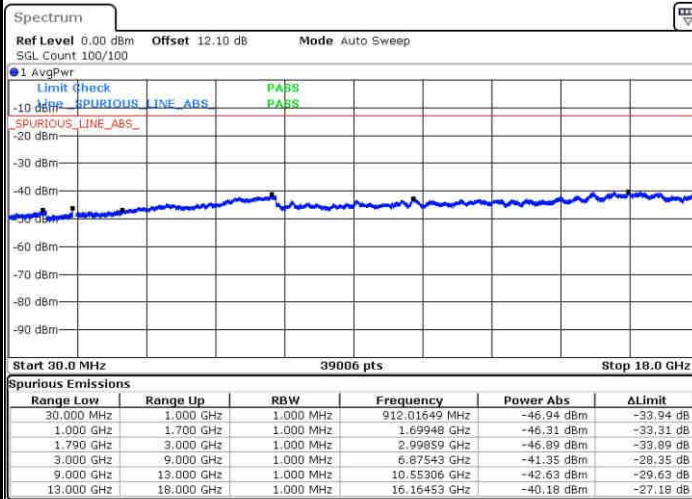
Highest Channel / 16QAM



Date: 19 APR 2019 02:53:21

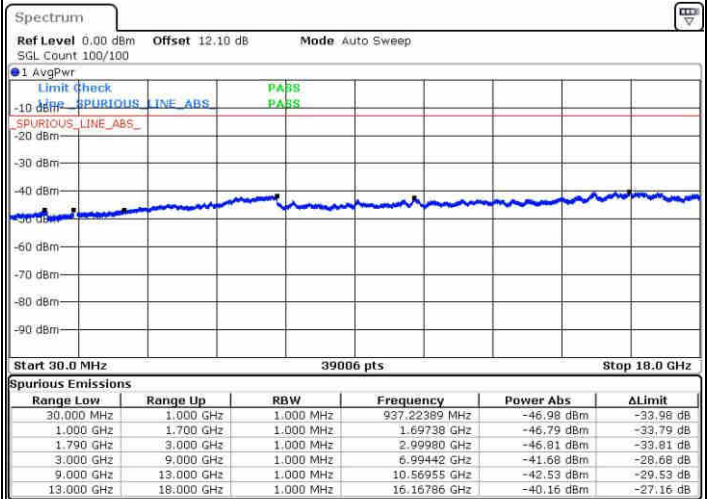
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 18 APR 2019 23:49:35

Lowest Channel / 16QAM

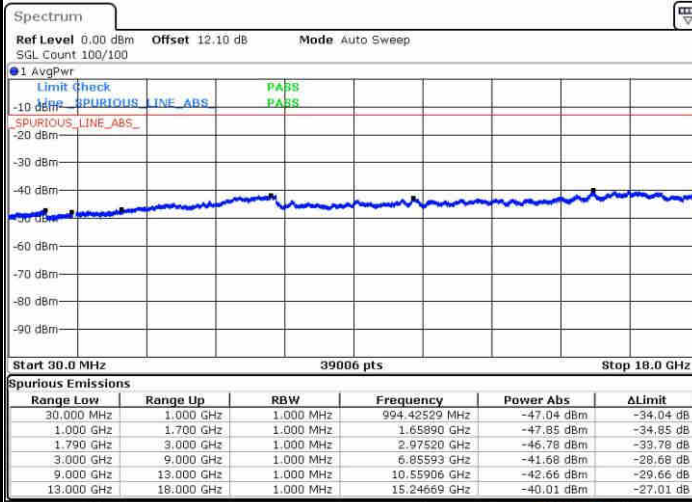


Date: 18 APR 2019 23:50:26



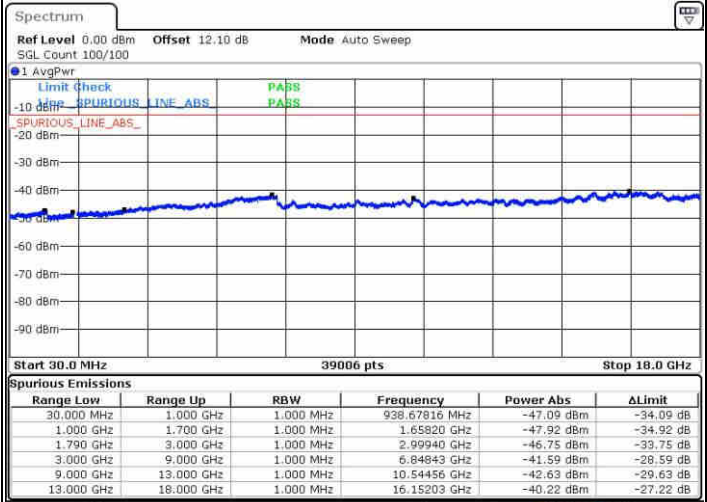
LTE Band 66 / 3MHz

Middle Channel / QPSK



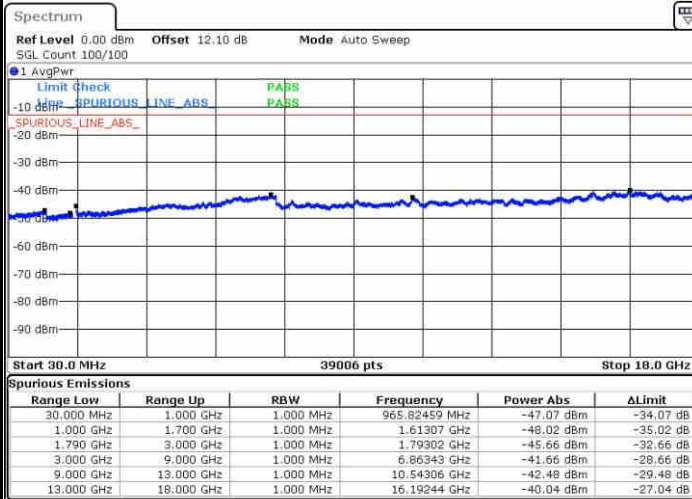
Date: 18 APR 2019 23:52:06

Middle Channel / 16QAM



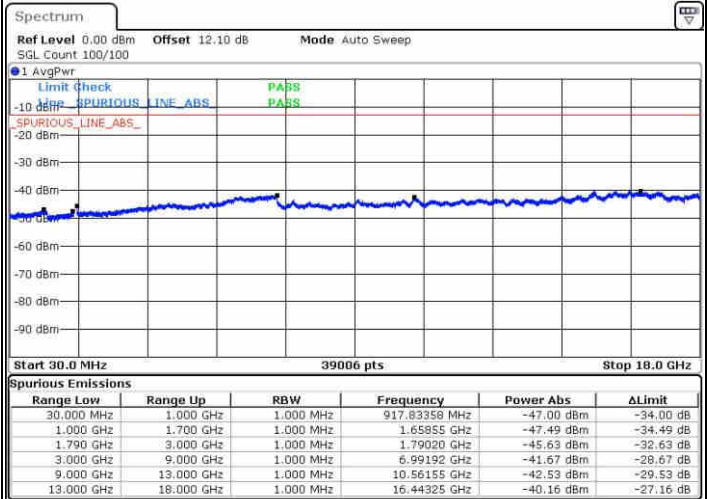
Date: 18 APR 2019 23:52:57

Highest Channel / QPSK



Date: 18 APR 2019 23:59:16

Highest Channel / 16QAM

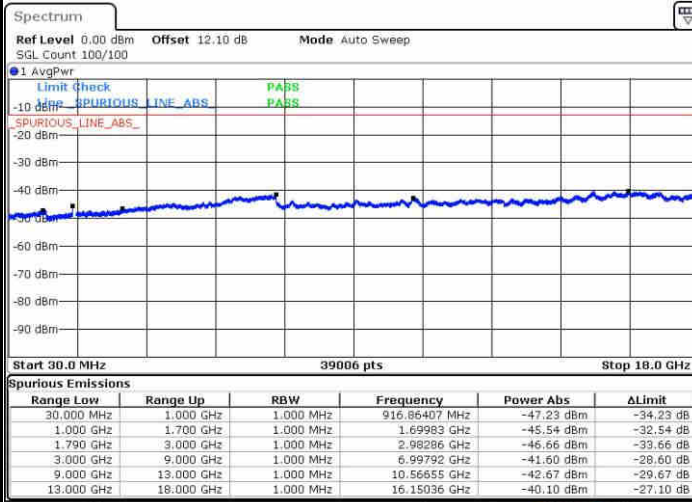


Date: 19 APR 2019 00:00:07



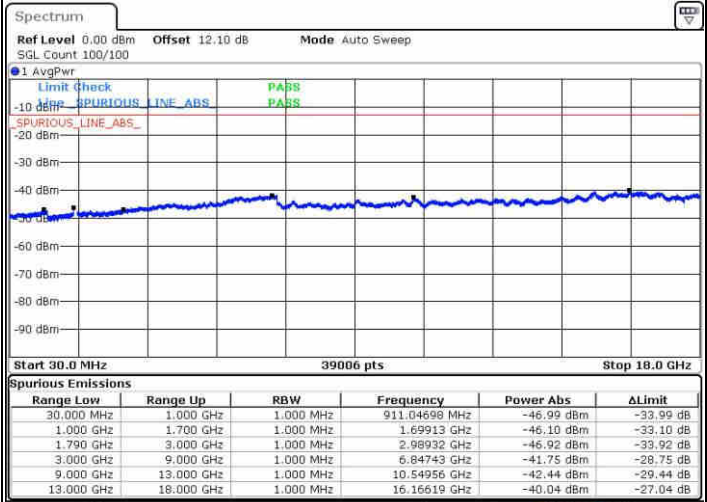
LTE Band 66 / 5MHz

Lowest Channel / QPSK



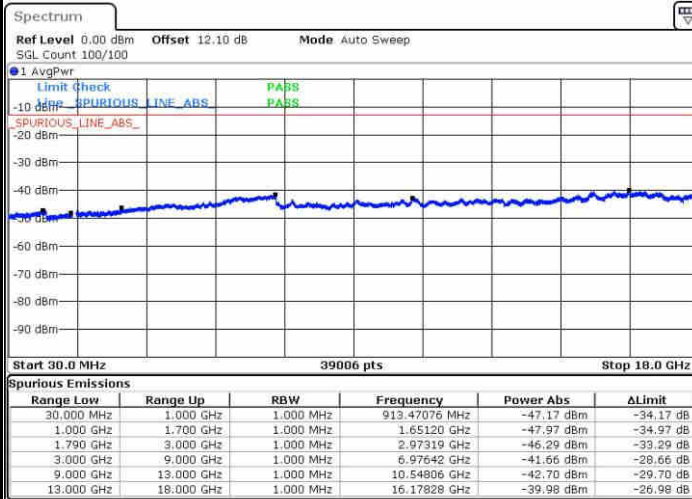
Date: 19 APR 2019 00:06:27

Lowest Channel / 16QAM



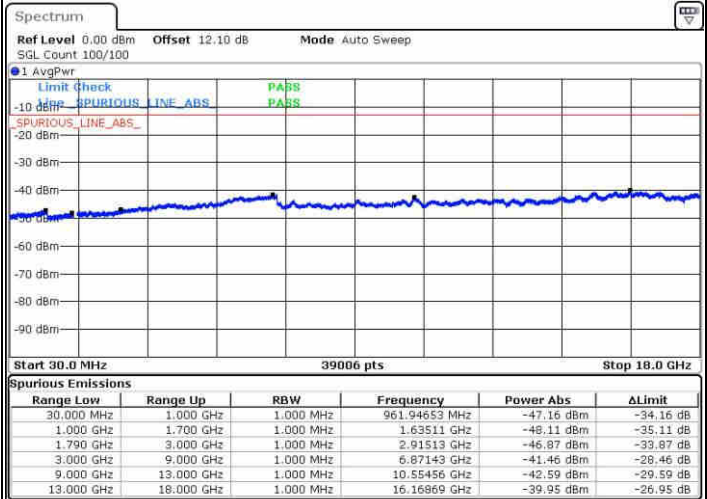
Date: 19 APR 2019 00:07:18

Middle Channel / QPSK



Date: 19 APR 2019 00:08:59

Middle Channel / 16QAM

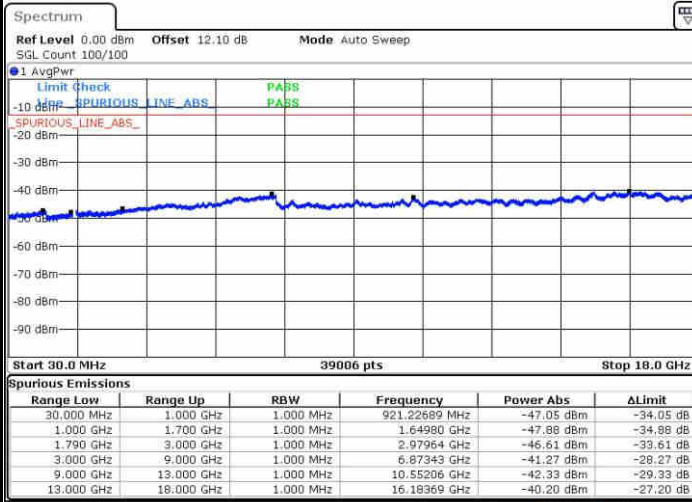


Date: 19 APR 2019 00:09:50



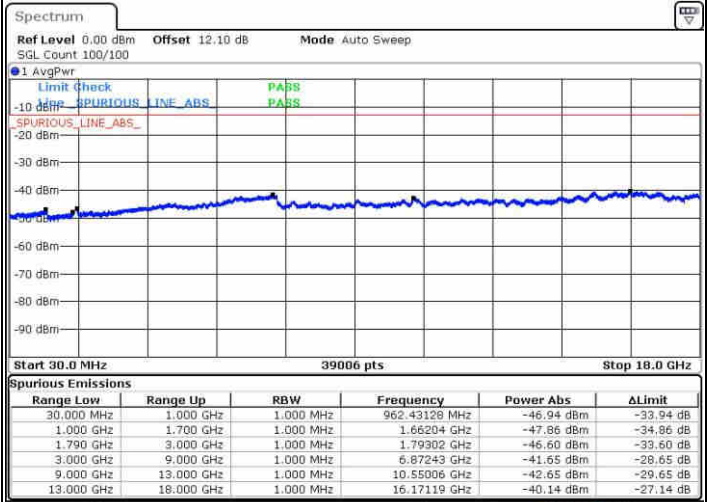
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 19 APR 2019 00:16:09

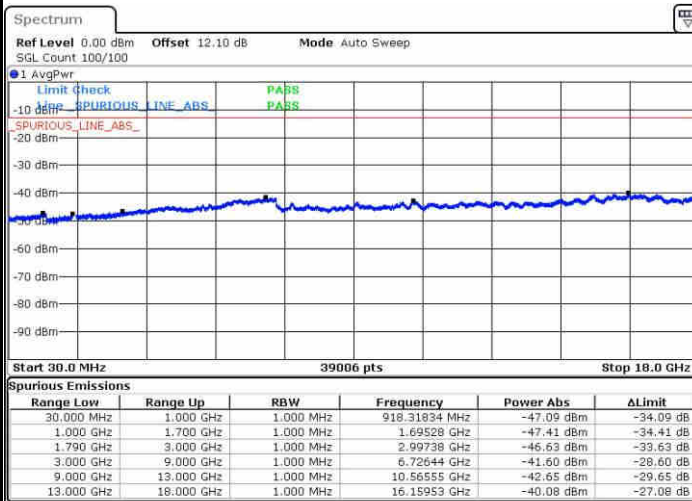
Highest Channel / 16QAM



Date: 19 APR 2019 00:17:00

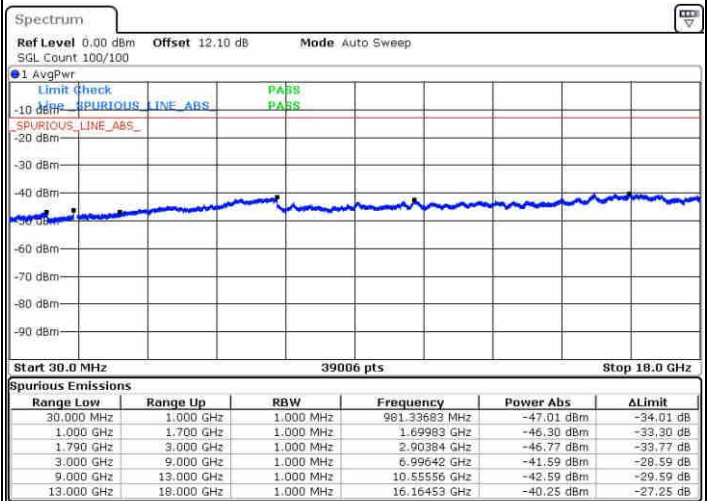
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 19 APR 2019 00:23:20

Lowest Channel / 16QAM

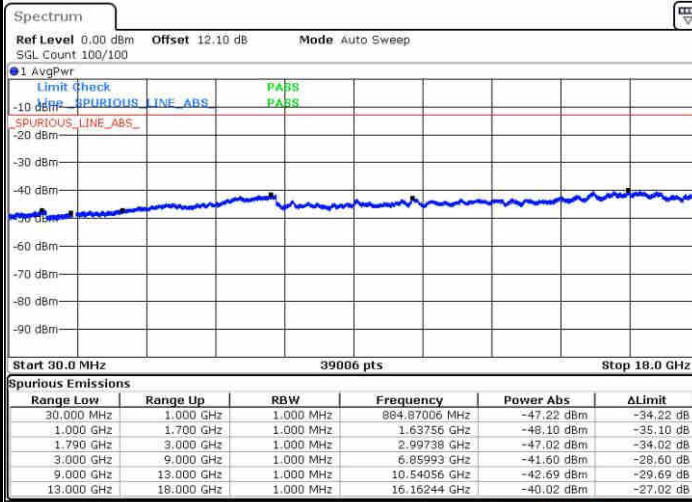


Date: 19 APR 2019 00:24:11



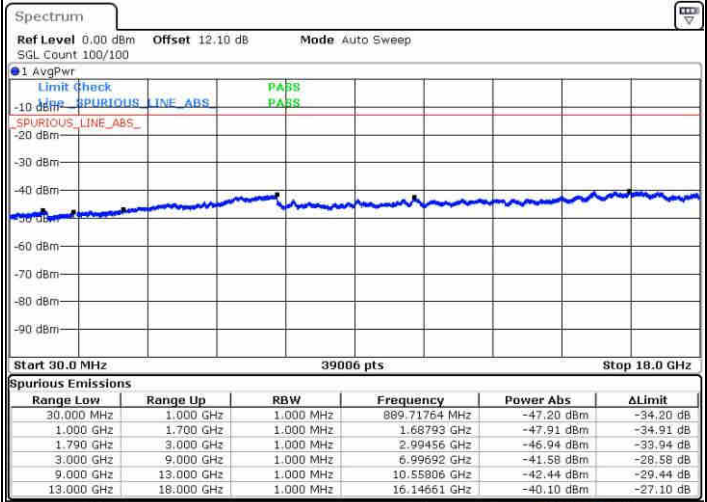
LTE Band 66 / 10MHz

Middle Channel / QPSK



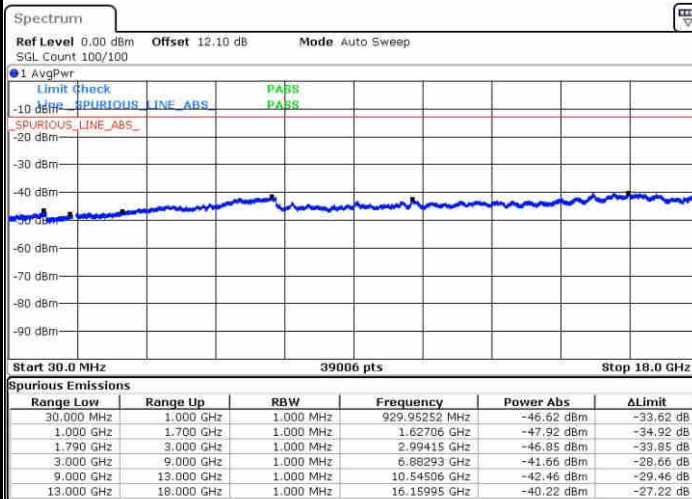
Date: 19 APR 2019 00:25:51

Middle Channel / 16QAM



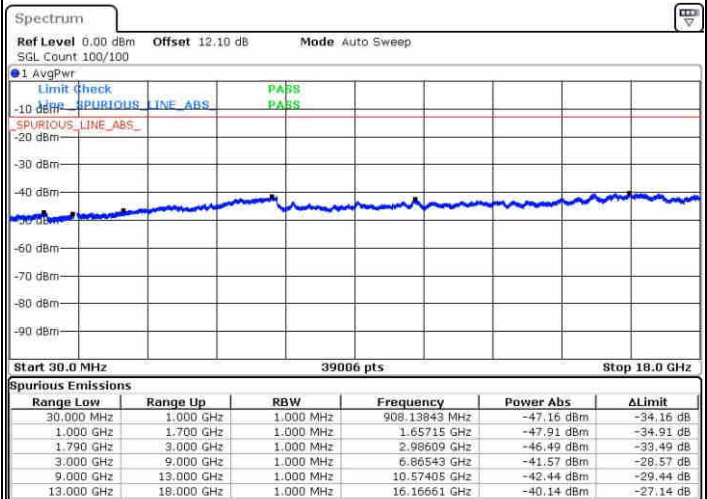
Date: 19 APR 2019 00:26:43

Highest Channel / QPSK



Date: 19 APR 2019 00:33:02

Highest Channel / 16QAM

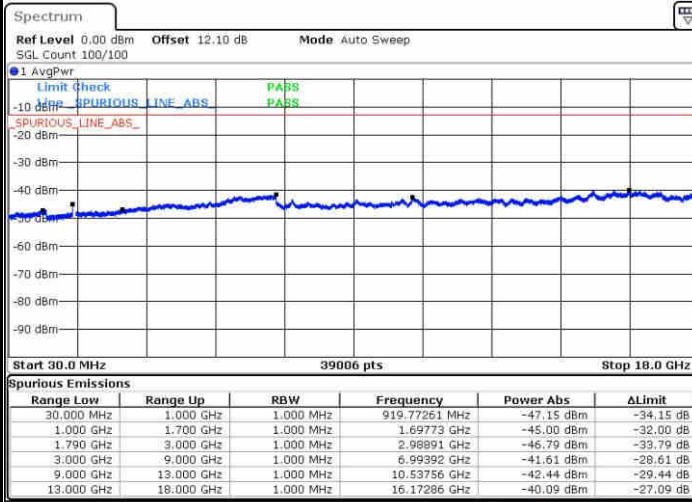


Date: 19 APR 2019 00:33:53



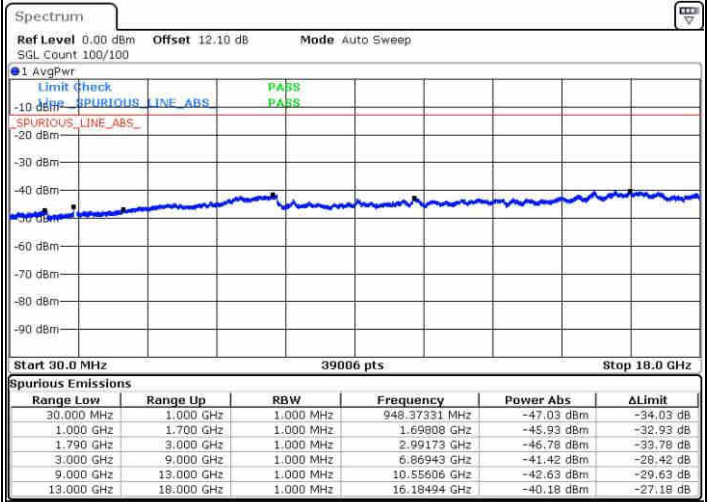
LTE Band 66 / 15MHz

Lowest Channel / QPSK



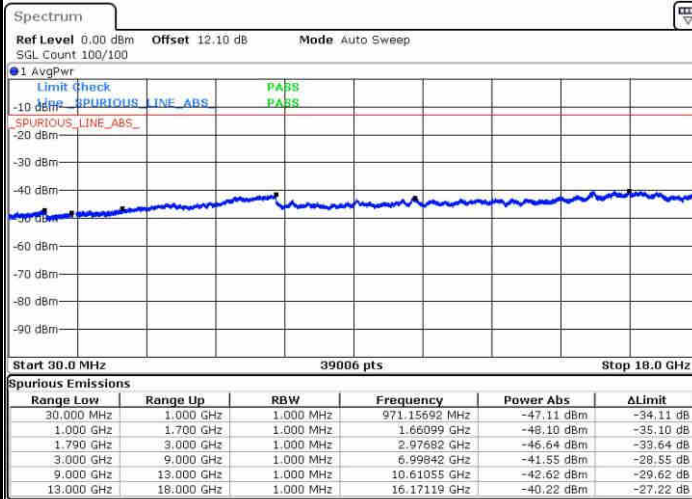
Date: 19 APR 2019 00:40:13

Lowest Channel / 16QAM



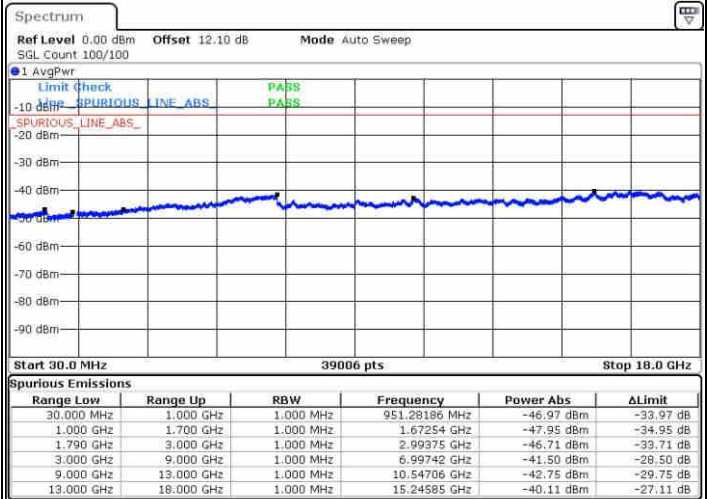
Date: 19 APR 2019 00:41:04

Middle Channel / QPSK



Date: 19 APR 2019 00:42:44

Middle Channel / 16QAM

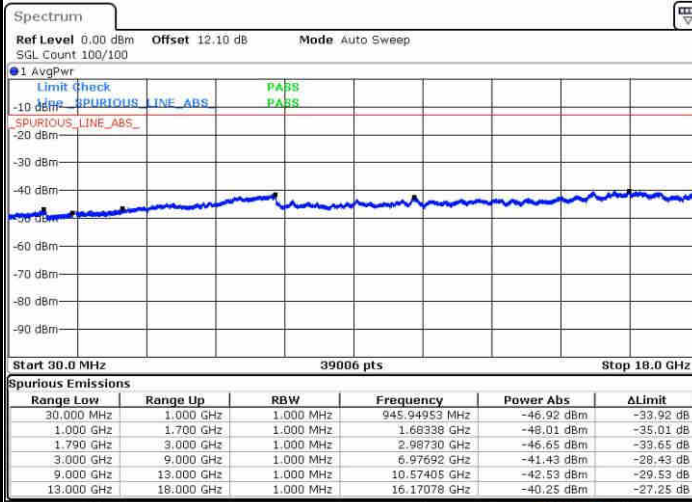


Date: 19 APR 2019 00:43:35



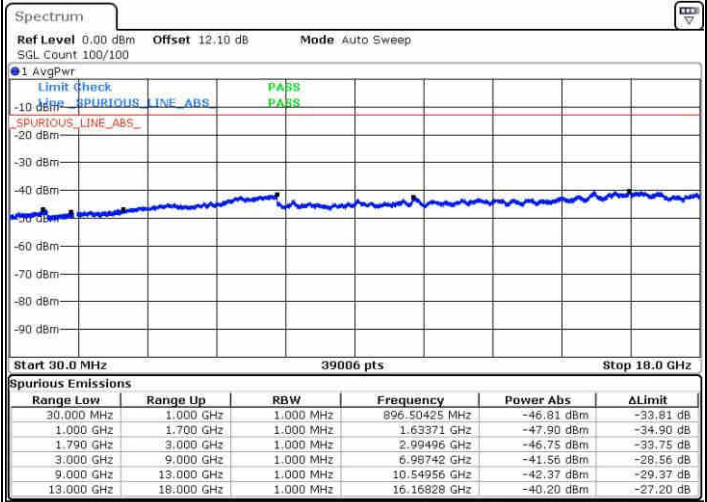
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 19 APR 2019 00:49:55

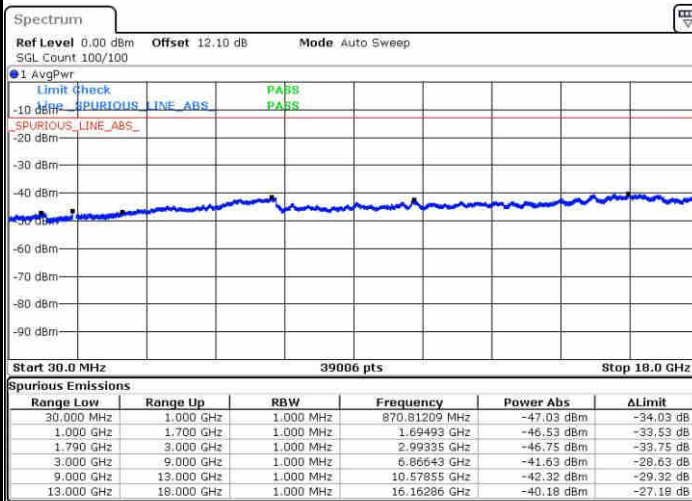
Highest Channel / 16QAM



Date: 19 APR 2019 00:50:46

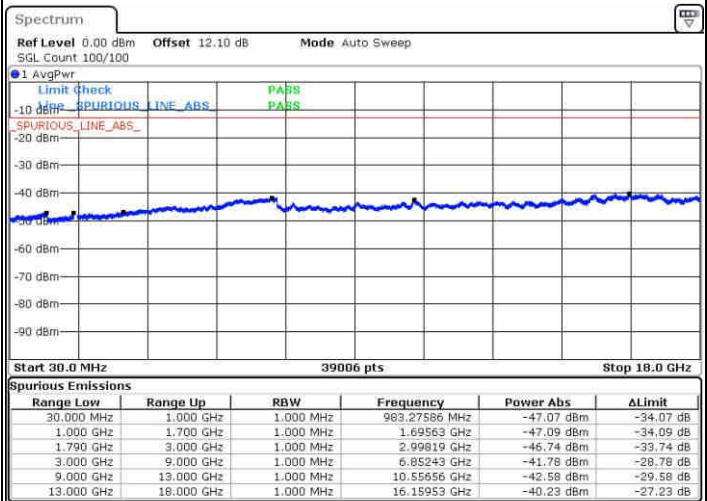
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 19 APR 2019 00:57:05

Lowest Channel / 16QAM

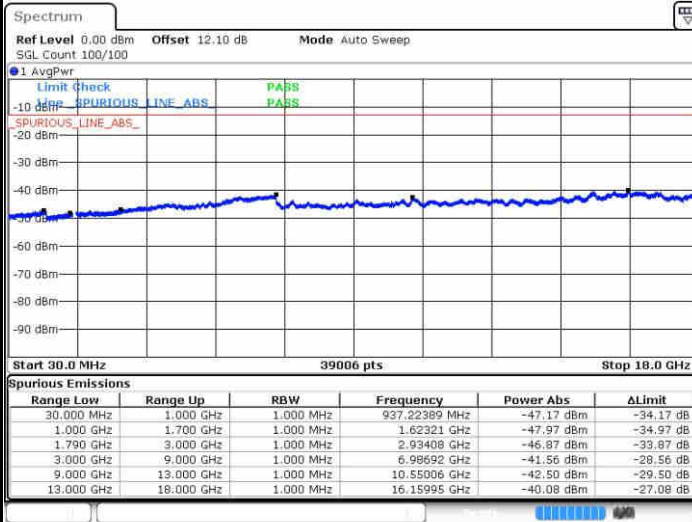


Date: 19 APR 2019 00:57:06



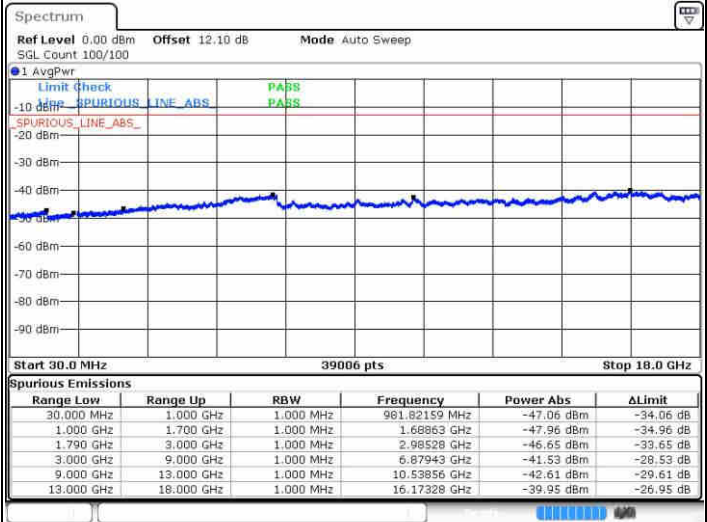
LTE Band 66 / 20MHz

Middle Channel / QPSK



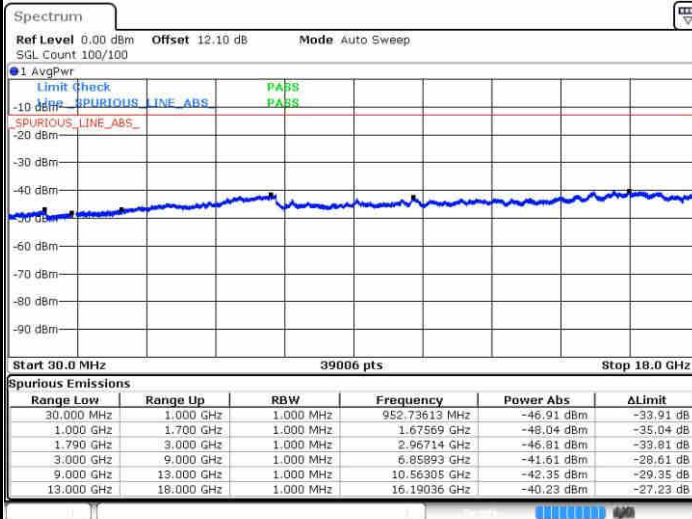
Date: 19 APR 2019 00:59:36

Middle Channel / 16QAM



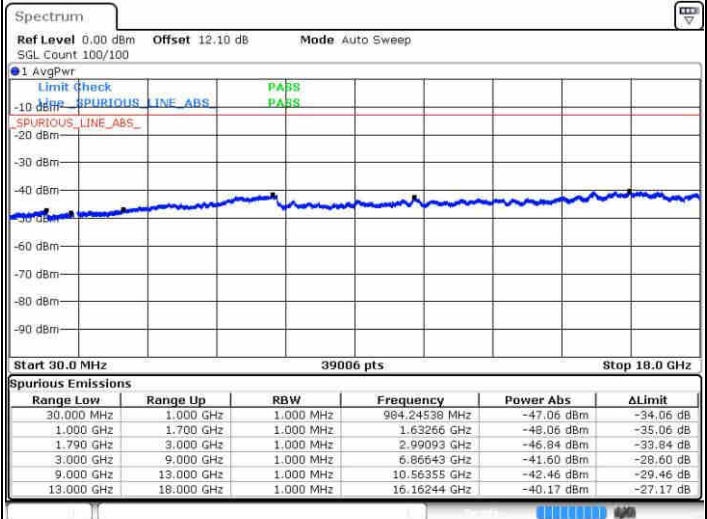
Date: 19 APR 2019 01:00:28

Highest Channel / QPSK



Date: 19 APR 2019 01:06:46

Highest Channel / 16QAM

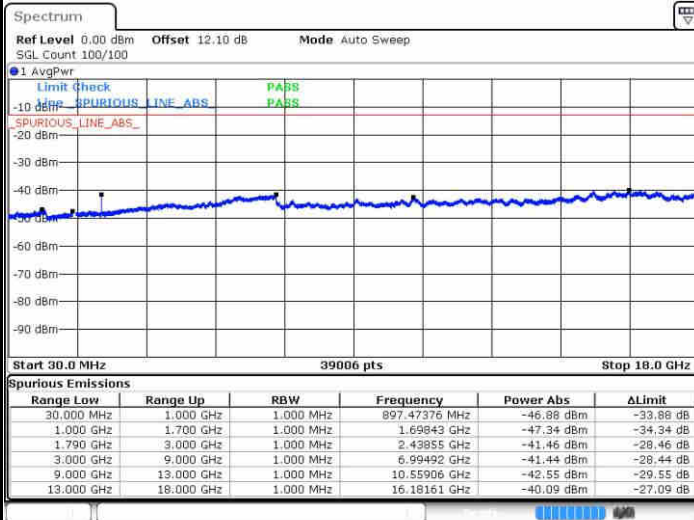


Date: 19 APR 2019 01:07:37



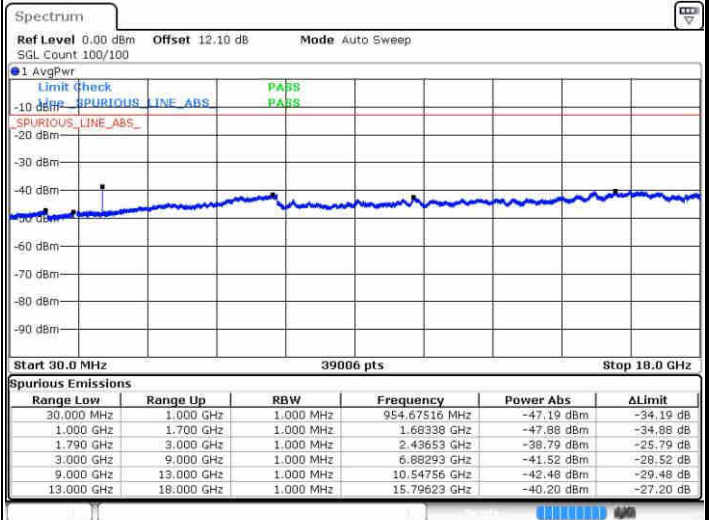
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



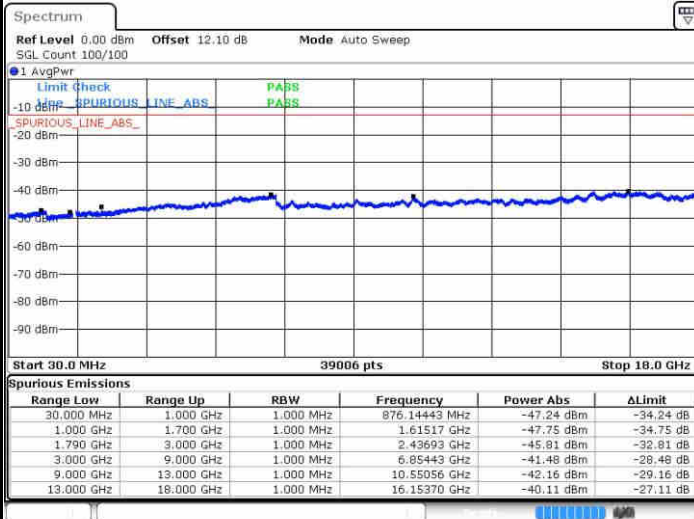
Date: 19 APR 2019 02:56:56

Middle Channel / 64QAM



Date: 19 APR 2019 02:58:11

Highest Channel / 64QAM

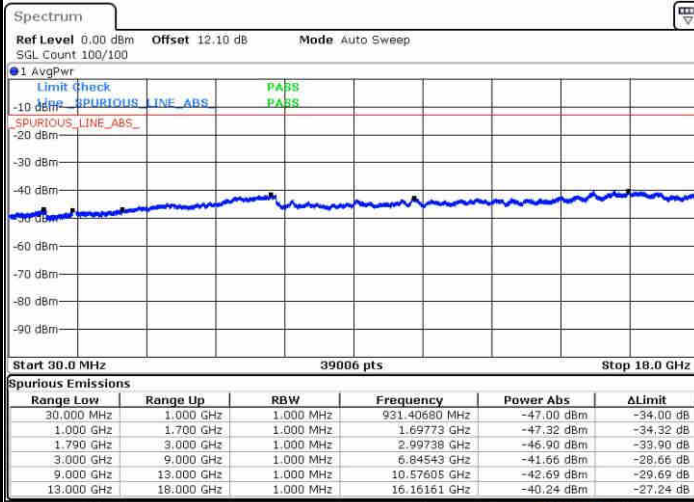


Date: 19 APR 2019 03:01:46



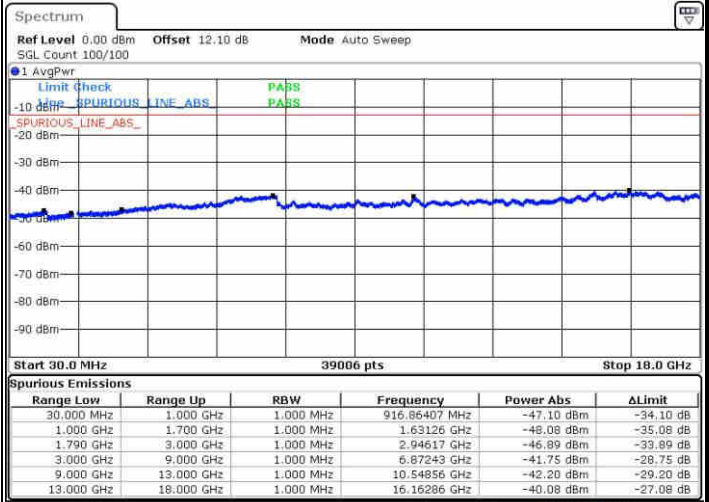
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



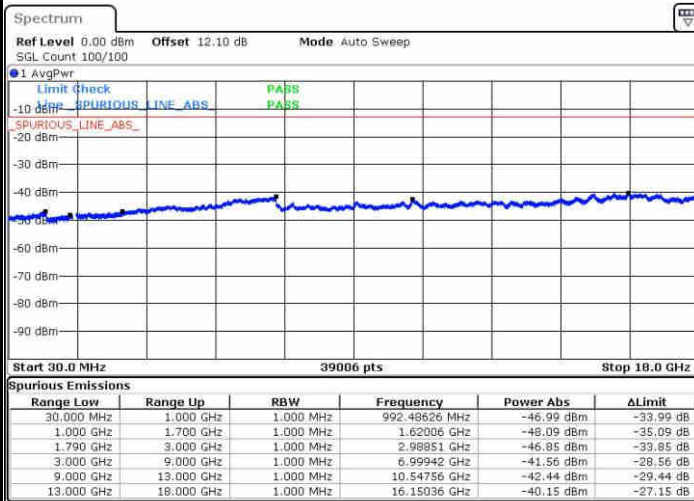
Date: 19 APR 2019 01:11:13

Middle Channel / 64QAM



Date: 19 APR 2019 01:12:29

Highest Channel / 64QAM

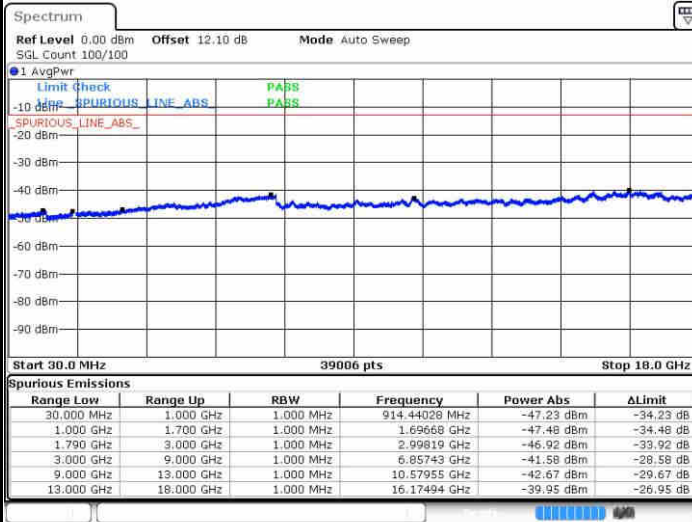


Date: 19 APR 2019 01:16:04



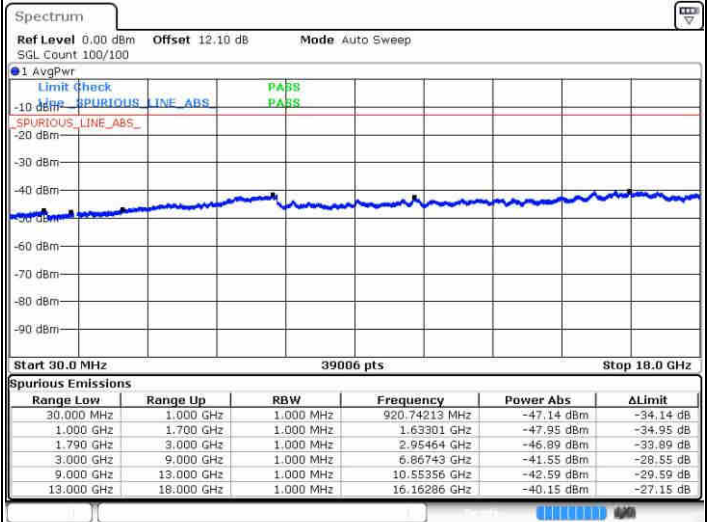
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



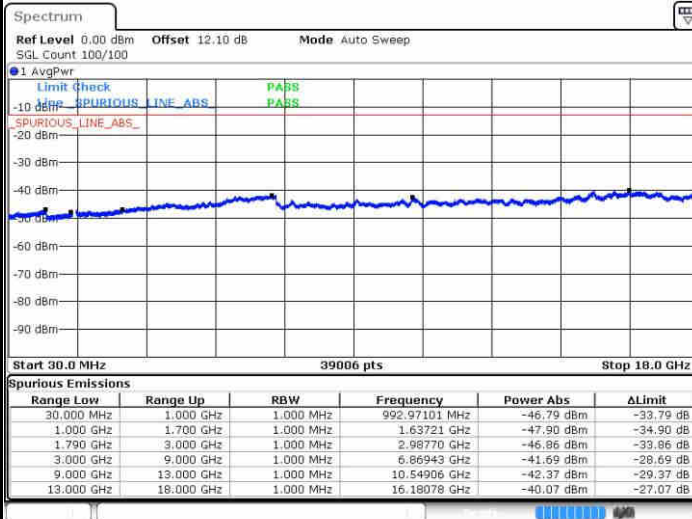
Date: 19 APR 2019 01:19:39

Middle Channel / 64QAM



Date: 19 APR 2019 01:20:54

Highest Channel / 64QAM

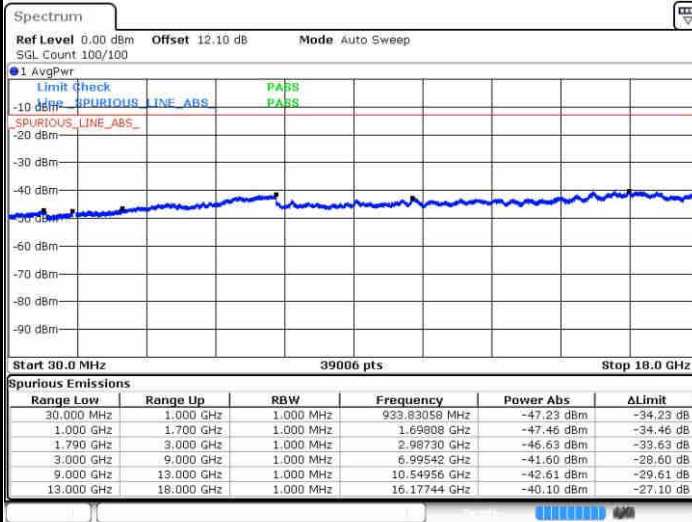


Date: 19 APR 2019 01:24:30



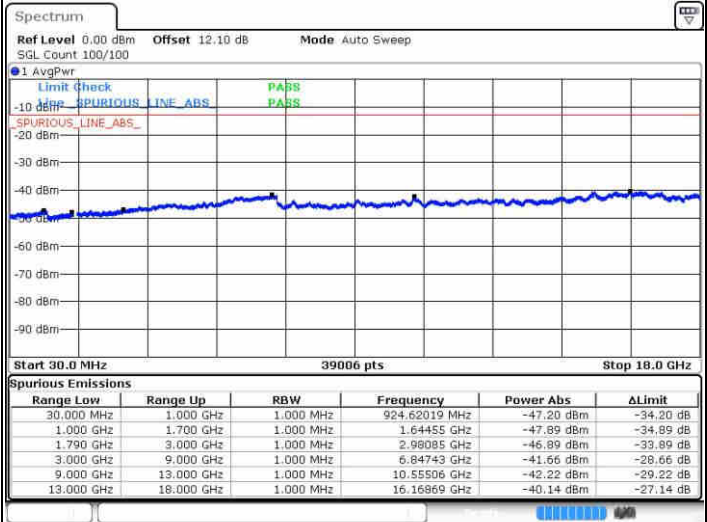
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



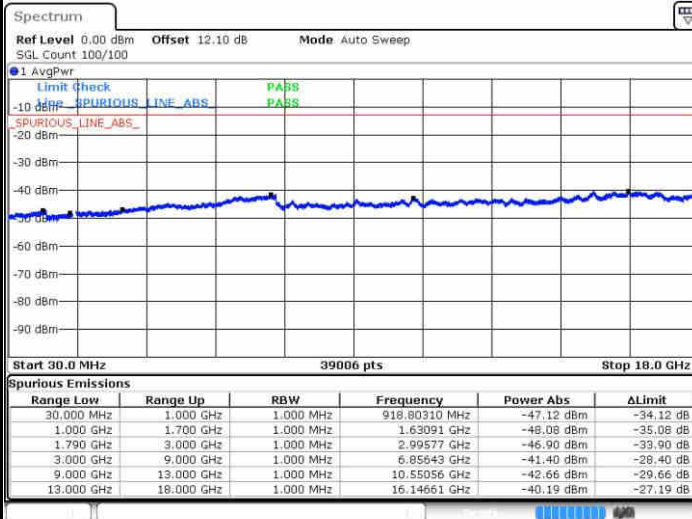
Date: 19 APR 2019 01:28:04

Middle Channel / 64QAM



Date: 19 APR 2019 01:29:20

Highest Channel / 64QAM

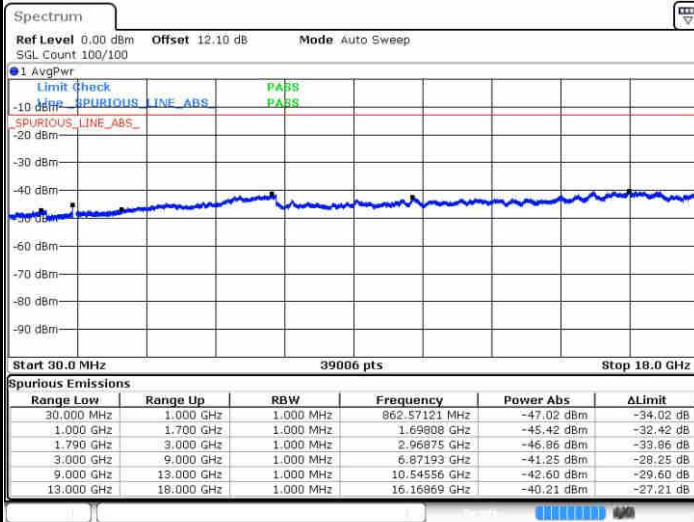


Date: 19 APR 2019 01:32:55



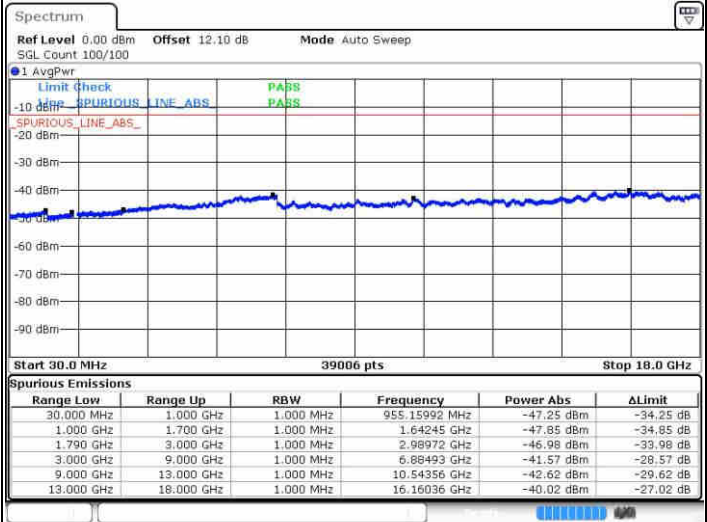
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



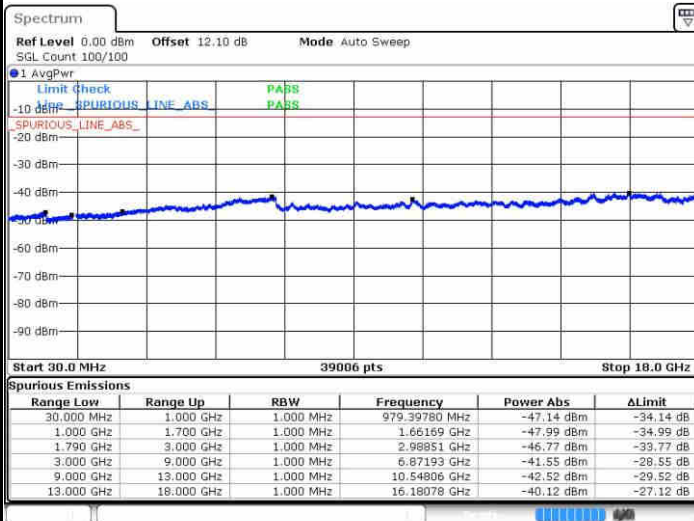
Date: 19 APR 2019 01:36:30

Middle Channel / 64QAM



Date: 19 APR 2019 01:37:45

Highest Channel / 64QAM

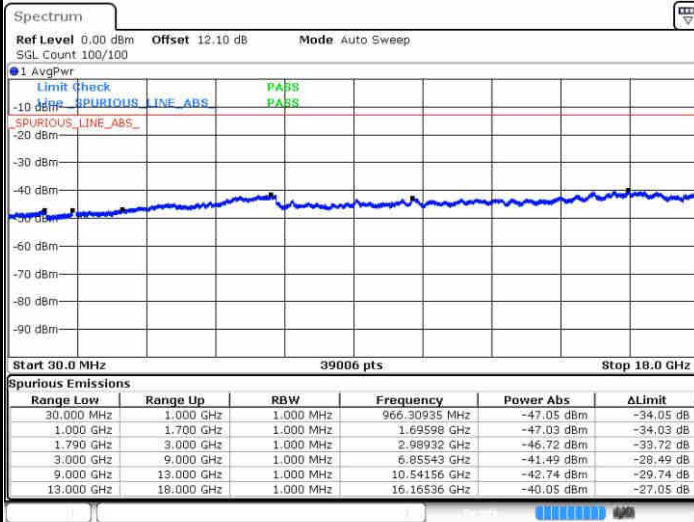


Date: 19 APR 2019 01:41:20



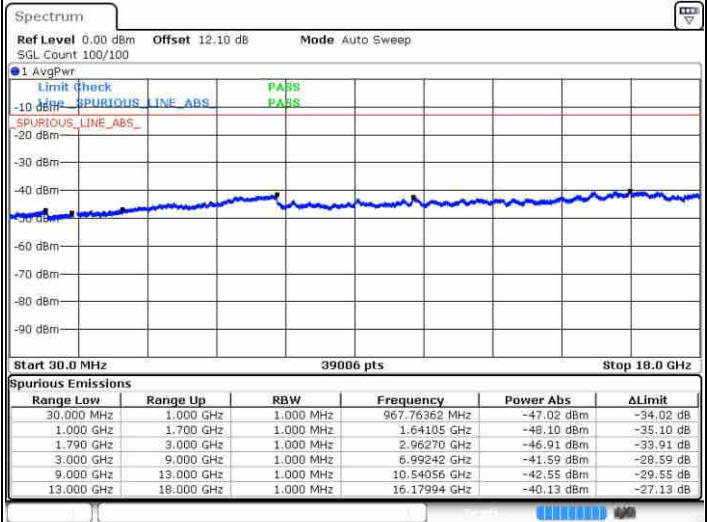
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



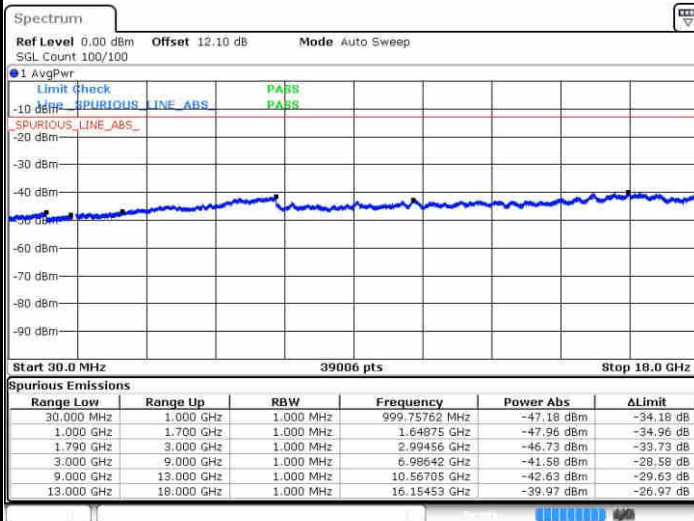
Date: 19 APR 2019 01:44:55

Middle Channel / 64QAM



Date: 19 APR 2019 01:46:11

Highest Channel / 64QAM



Date: 19 APR 2019 03:03:47

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	0.0007	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

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 66B_CA

26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)		
QPSK			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.93	14.60	18.94
Middle CH	9.93	14.62	18.90
Highest CH	9.93	14.65	18.94
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.65	19.62	19.06
Middle CH	14.65	19.58	19.10
Highest CH	14.62	19.90	19.02

Mode	LTE Band 66 : 26dB BW(MHz)		
16QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.89	14.48	18.86
Middle CH	9.93	14.65	18.94
Highest CH	9.97	14.54	18.94
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.80	19.70	19.02
Middle CH	14.69	19.78	19.06
Highest CH	14.71	19.74	19.22

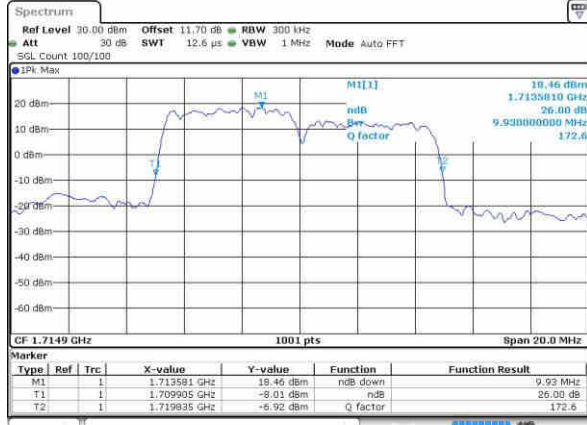
Mode	LTE Band 66 : 26dB BW(MHz)		
64QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.99	14.56	18.98
Middle CH	9.93	14.60	18.86
Highest CH	9.93	14.51	18.82
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.60	19.58	19.10
Middle CH	14.84	19.70	19.02
Highest CH	14.71	19.54	18.98



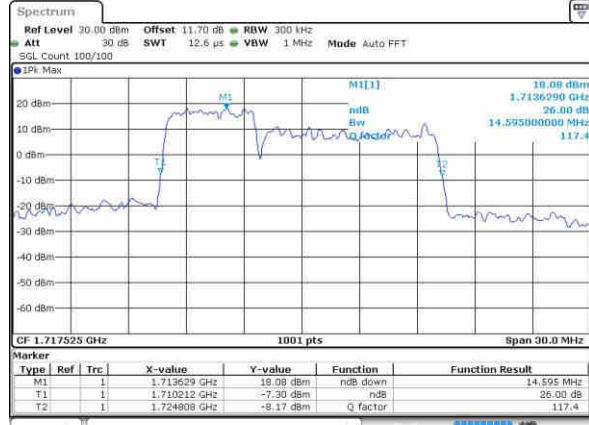
LTE Band 66

QPSK

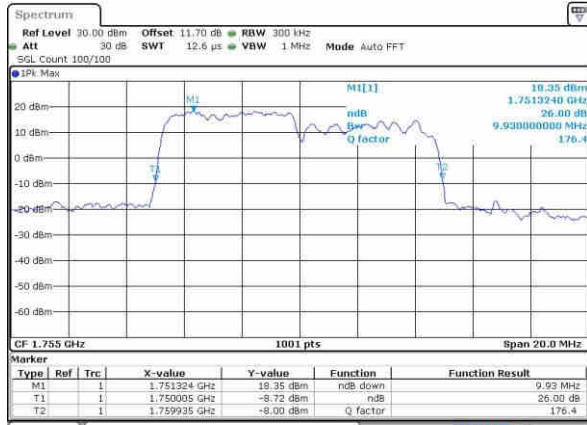
Lowest Channel / 5MHz+5MHz



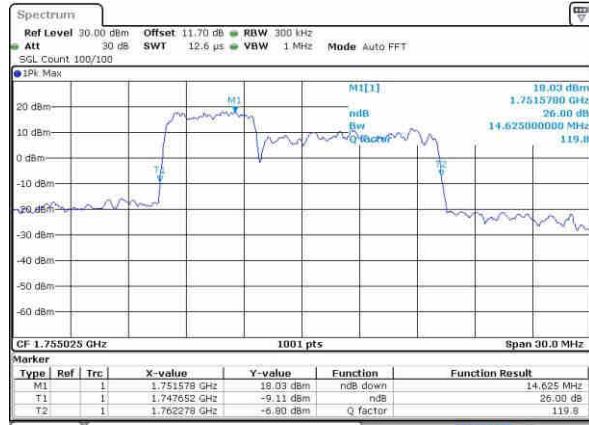
Lowest Channel / 5MHz+10MHz



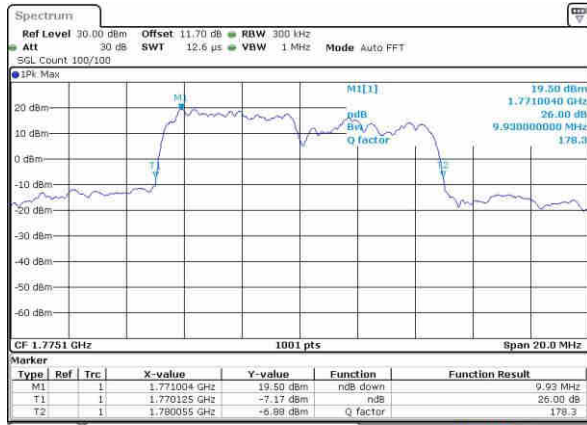
Middle Channel / 5MHz+5MHz



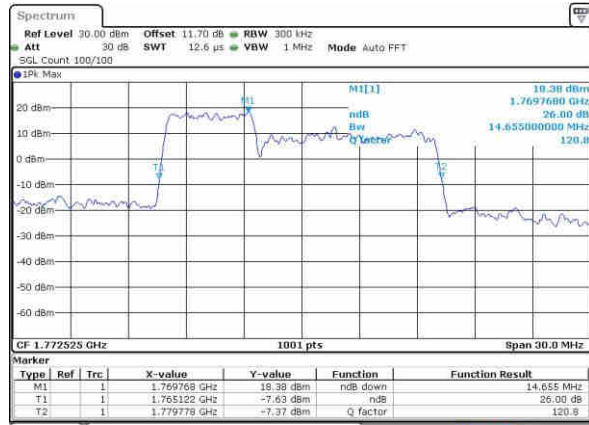
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

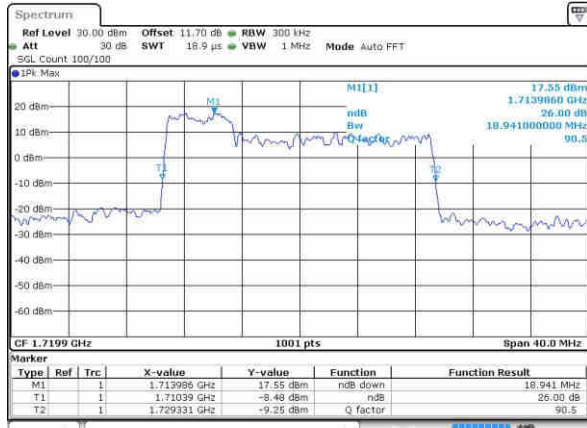




LTE Band 66

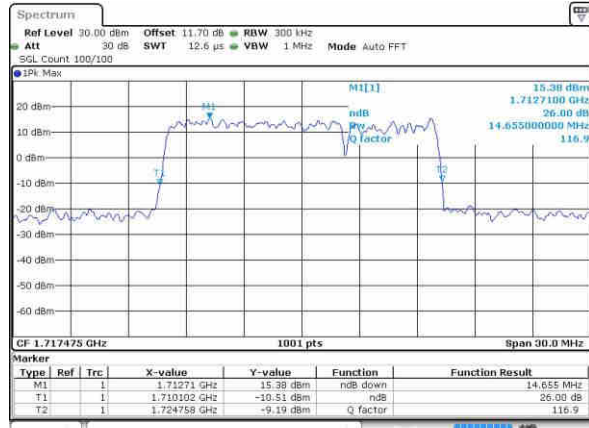
QPSK

Lowest Channel / 5MHz+15MHz



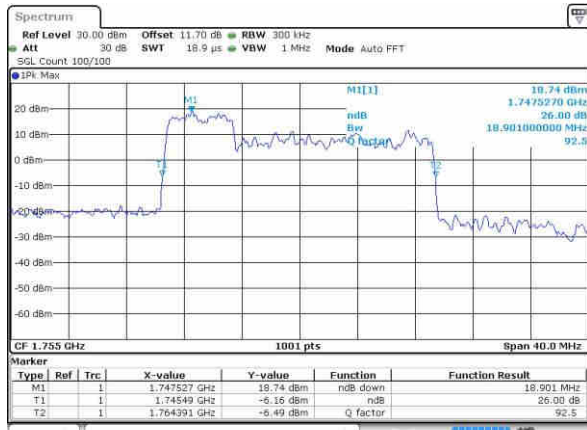
Date: 25 APR 2019 02:18:28

Lowest Channel / 10MHz+5MHz



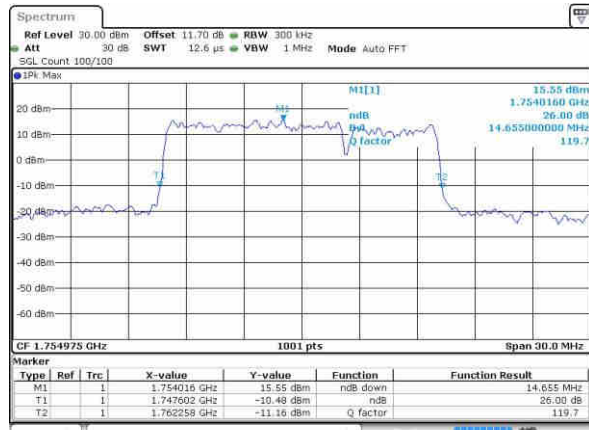
Date: 24 APR 2019 06:28:27

Middle Channel / 5MHz+15MHz



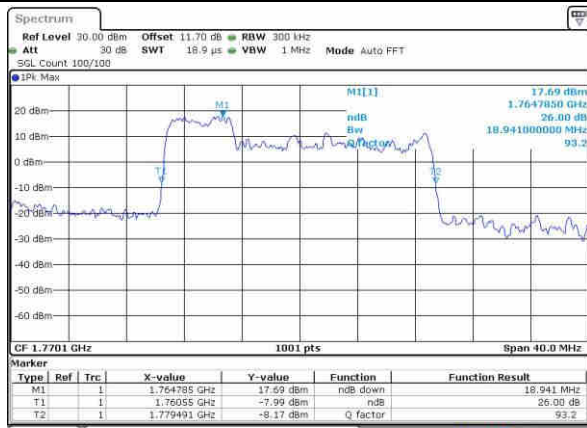
Date: 25 APR 2019 04:03:52

Middle Channel / 10MHz+5MHz



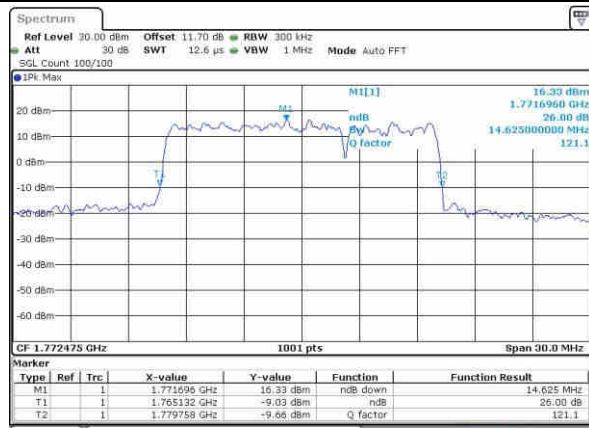
Date: 24 APR 2019 06:54:19

Highest Channel / 5MHz+15MHz



Date: 25 APR 2019 03:39:15

Highest Channel / 10MHz+5MHz



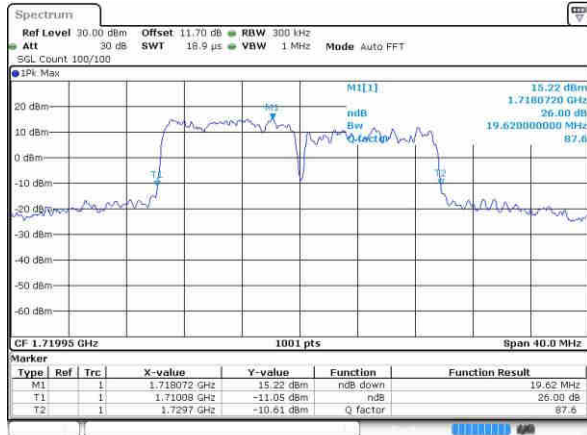
Date: 24 APR 2019 07:09:24



LTE Band 66

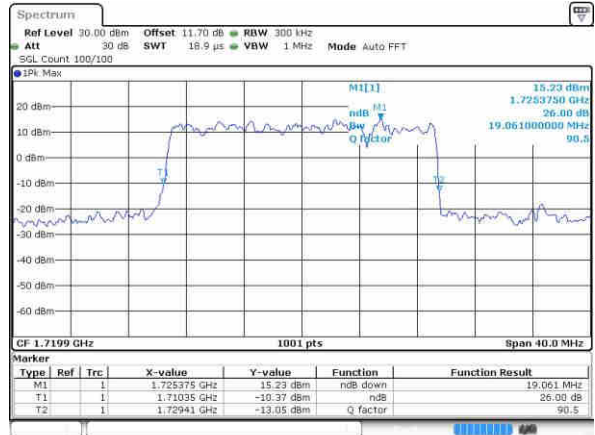
QPSK

Lowest Channel / 10MHz+10MHz



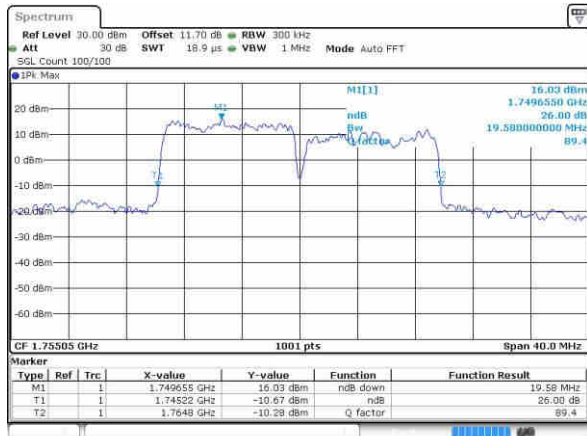
Date: 24 APR 2019 07:53:51

Lowest Channel / 15MHz+5MHz



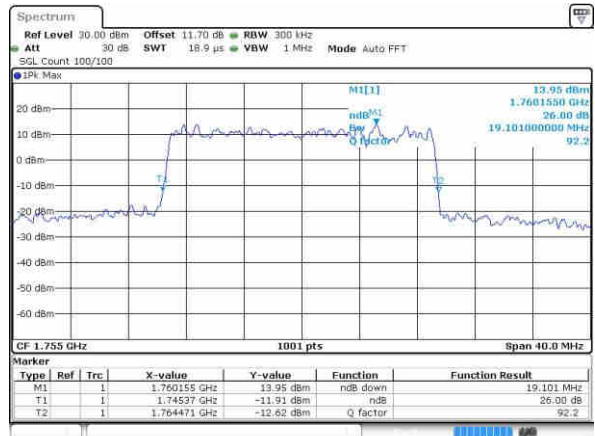
Date: 25 APR 2019 03:10:15

Middle Channel / 10MHz+10MHz



Date: 24 APR 2019 08:21:01

Middle Channel / 15MHz+5MHz



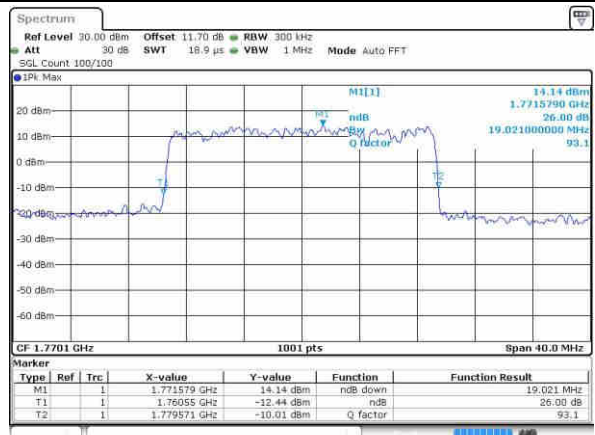
Date: 25 APR 2019 04:47:33

Highest Channel / 10MHz+10MHz



Date: 25 APR 2019 02:51:18

Highest Channel / 15MHz+5MHz



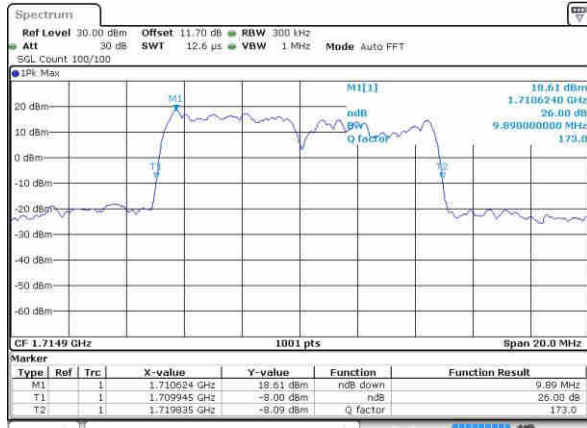
Date: 25 APR 2019 04:28:32



LTE Band 66

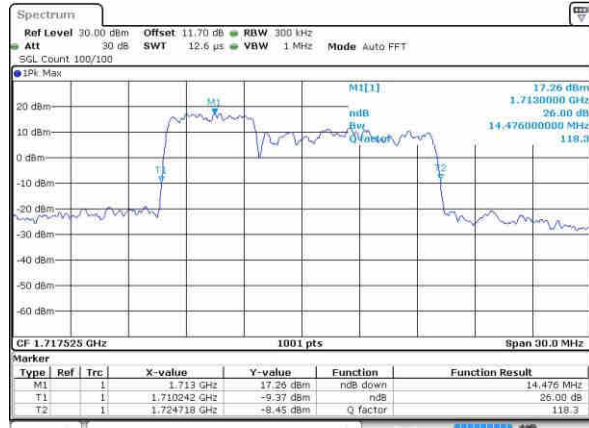
16QAM

Lowest Channel / 5MHz+5MHz



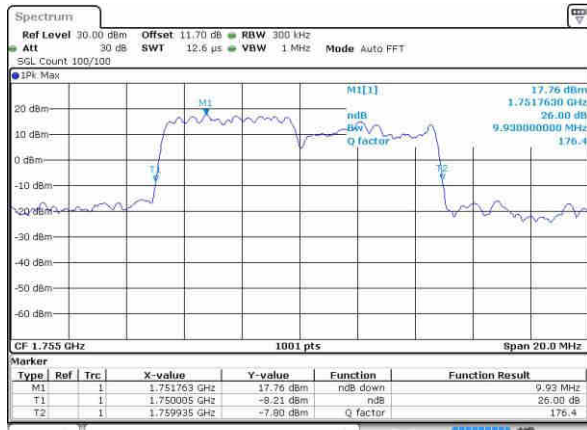
Date: 24 APR 2019 03:47:27

Lowest Channel / 5MHz+10MHz



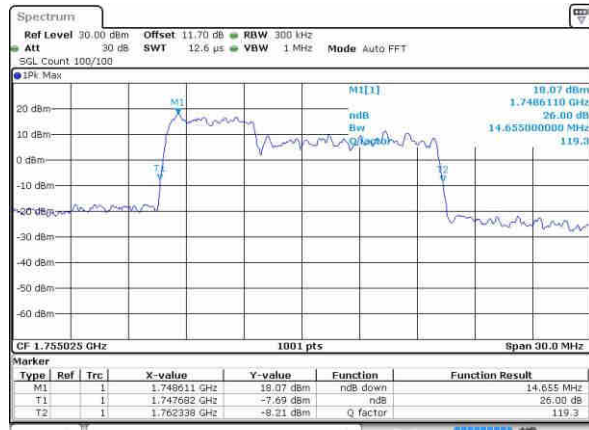
Date: 24 APR 2019 05:18:32

Middle Channel / 5MHz+5MHz



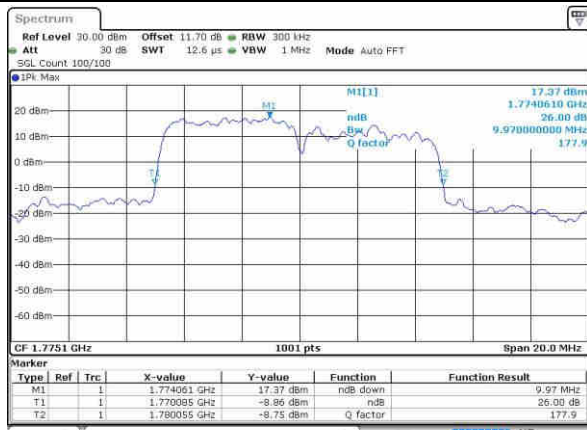
Date: 24 APR 2019 04:17:58

Middle Channel / 5MHz+10MHz



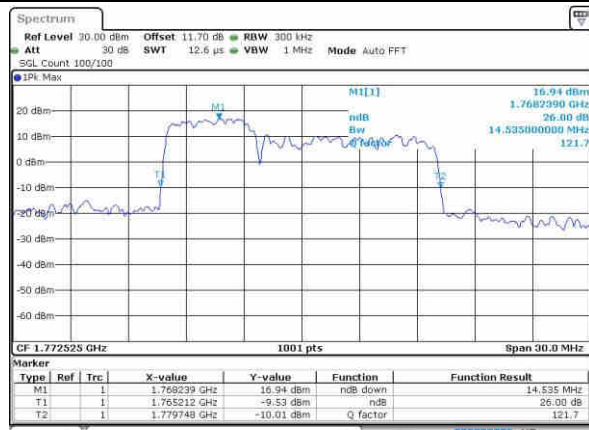
Date: 24 APR 2019 05:44:22

Highest Channel / 5MHz+5MHz



Date: 24 APR 2019 04:33:33

Highest Channel / 5MHz+10MHz



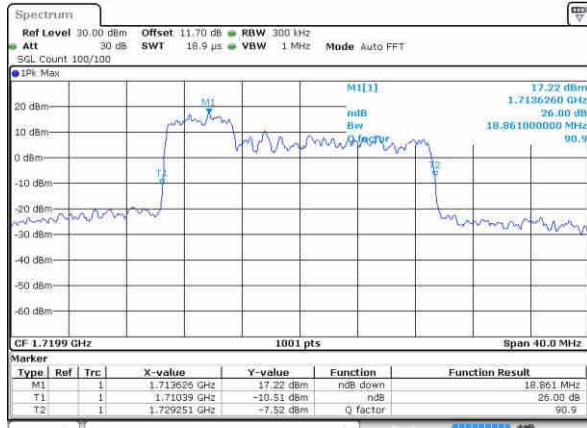
Date: 24 APR 2019 05:58:25



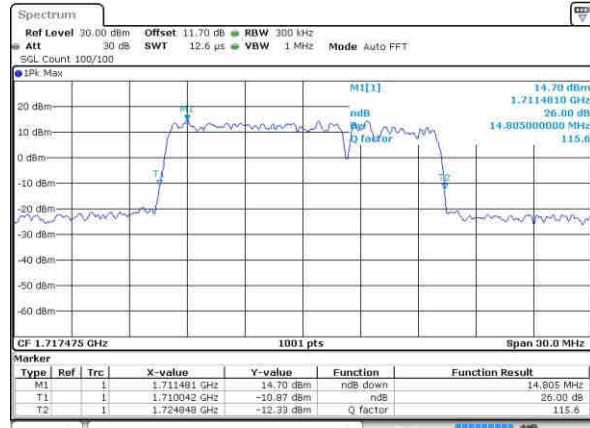
LTE Band 66

16QAM

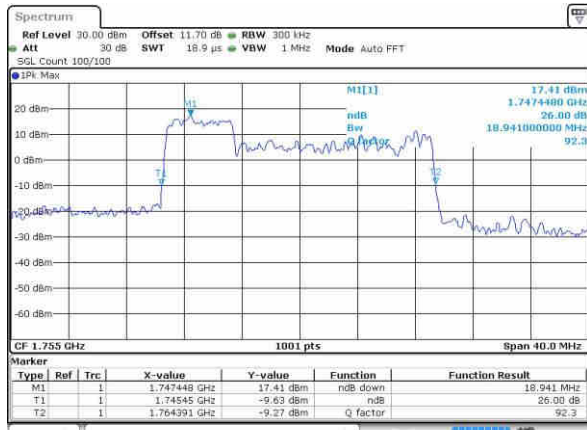
Lowest Channel / 5MHz+15MHz



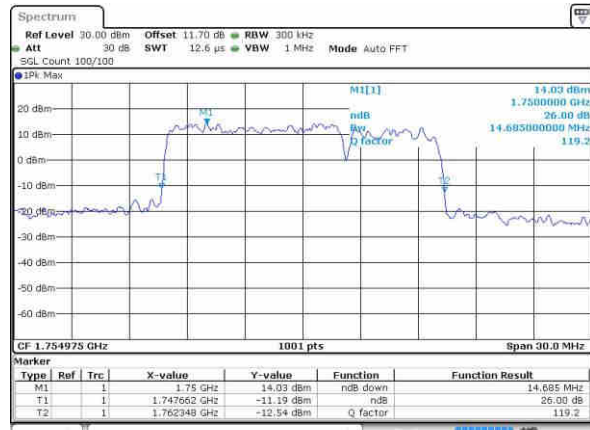
Lowest Channel / 10MHz+5MHz



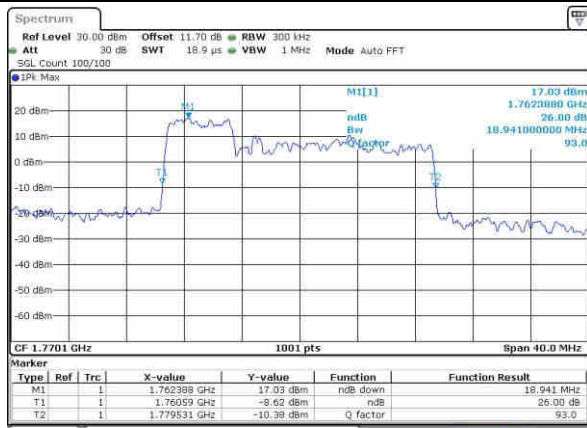
Middle Channel / 5MHz+15MHz



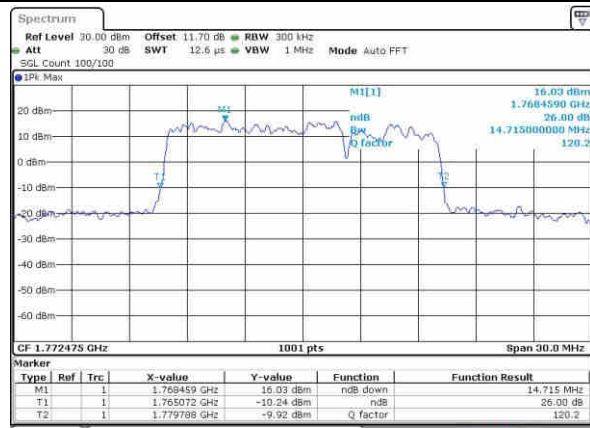
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

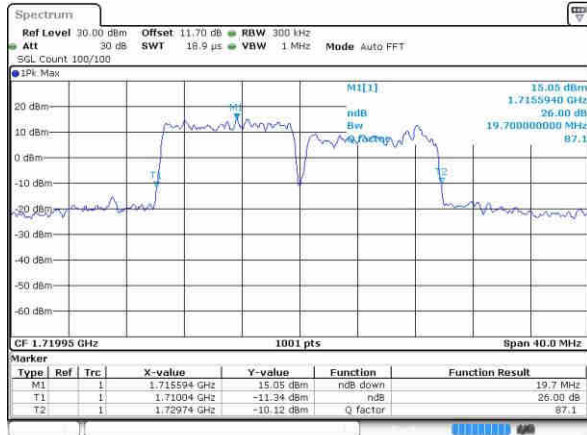




LTE Band 66

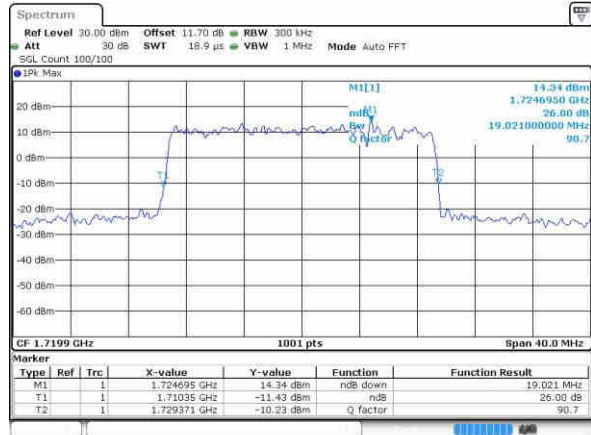
16QAM

Lowest Channel / 10MHz+10MHz



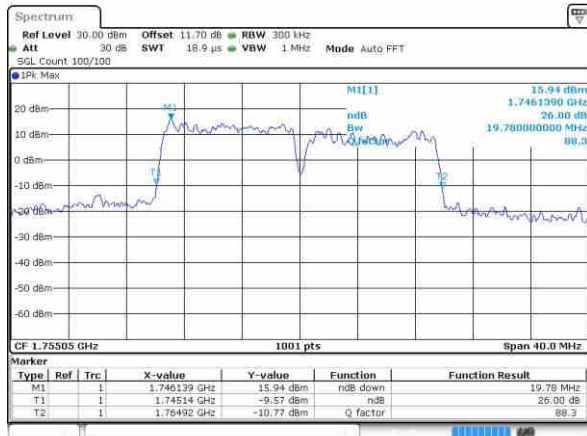
Date: 24 APR 2019 07:33:24

Lowest Channel / 15MHz+5MHz



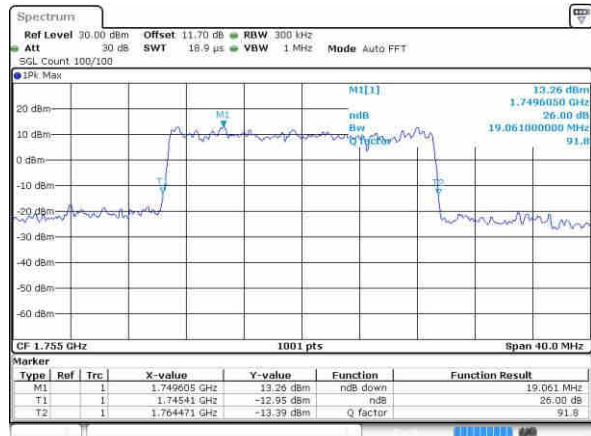
Date: 25 APR 2019 03:09:52

Middle Channel / 10MHz+10MHz



Date: 24 APR 2019 08:20:15

Middle Channel / 15MHz+5MHz



Date: 25 APR 2019 04:48:55

Highest Channel / 10MHz+10MHz



Date: 24 APR 2019 08:25:20

Highest Channel / 15MHz+5MHz



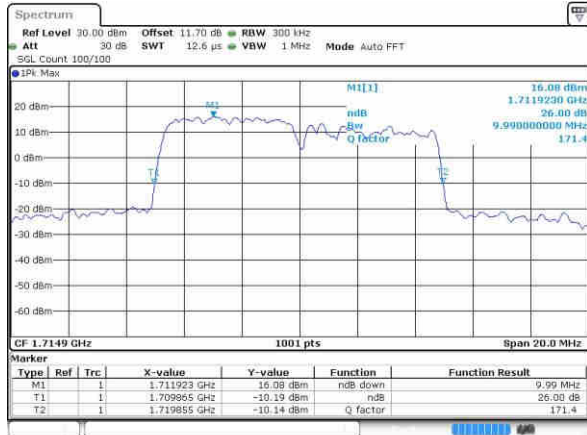
Date: 25 APR 2019 04:28:55



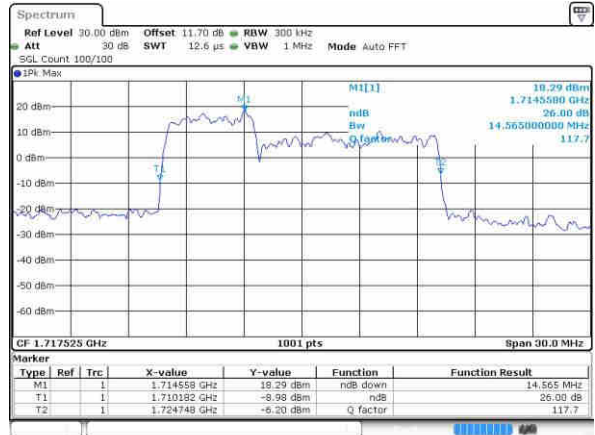
LTE Band 66

64QAM

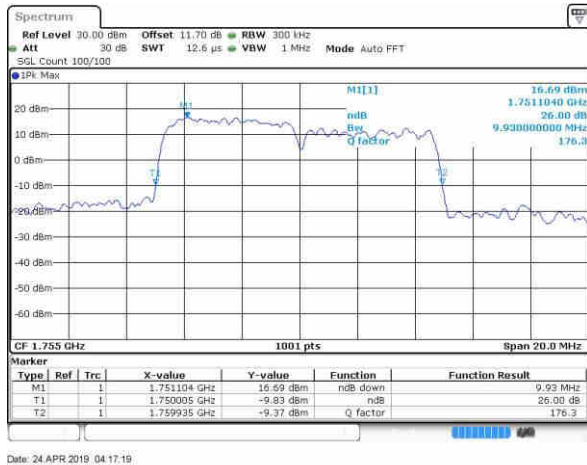
Lowest Channel / 5MHz+5MHz



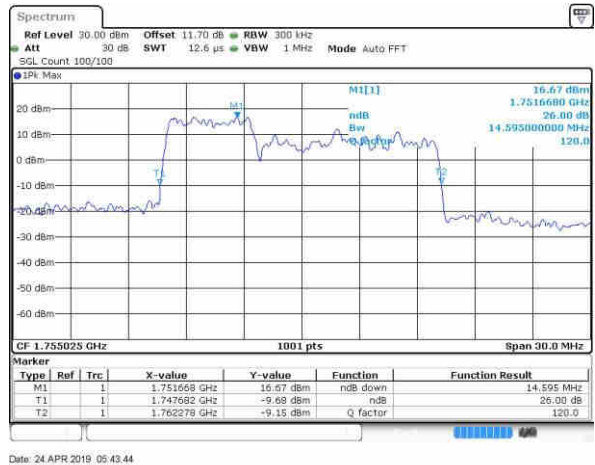
Lowest Channel / 5MHz+10MHz



Middle Channel / 5MHz+5MHz



Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

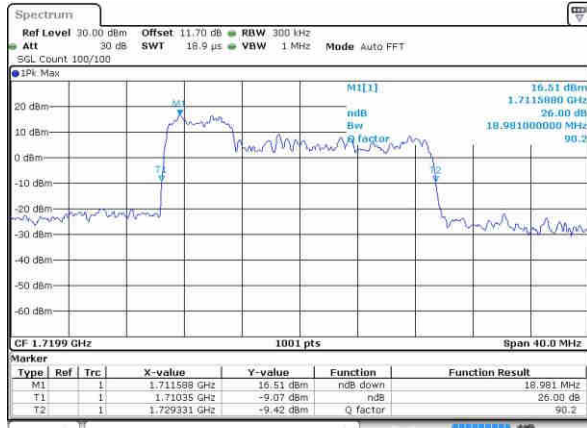




LTE Band 66

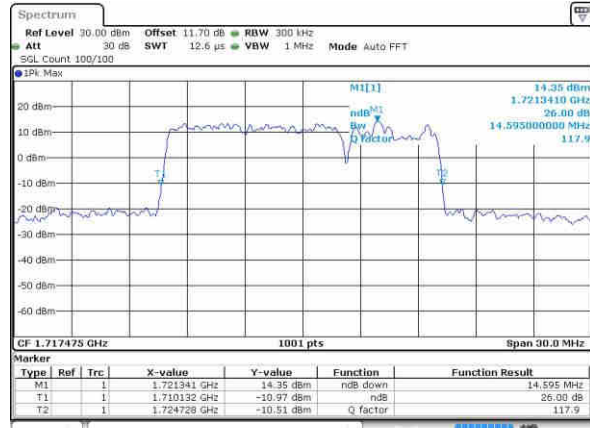
64QAM

Lowest Channel / 5MHz+15MHz



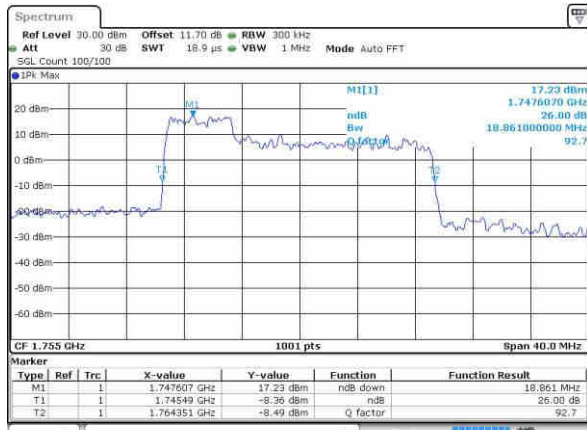
Date: 25 APR 2019 02:17:42

Lowest Channel / 10MHz+5MHz



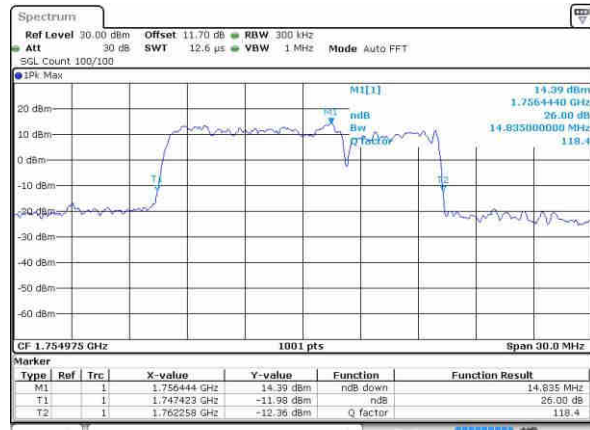
Date: 24 APR 2019 06:27:11

Middle Channel / 5MHz+15MHz



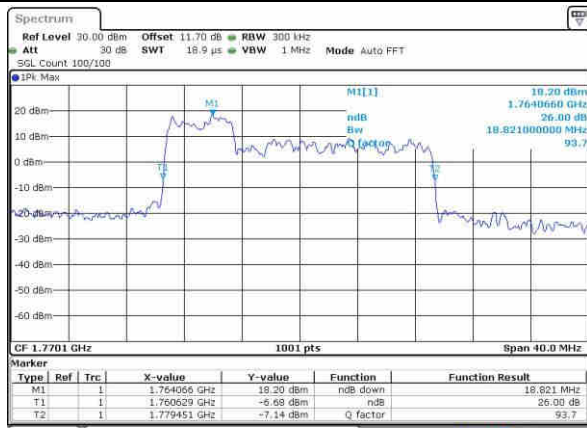
Date: 25 APR 2019 04:03:05

Middle Channel / 10MHz+5MHz



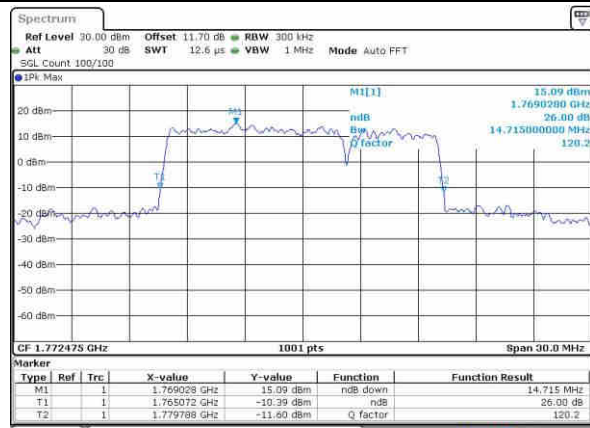
Date: 24 APR 2019 06:53:03

Highest Channel / 5MHz+15MHz



Date: 25 APR 2019 03:40:02

Highest Channel / 10MHz+5MHz



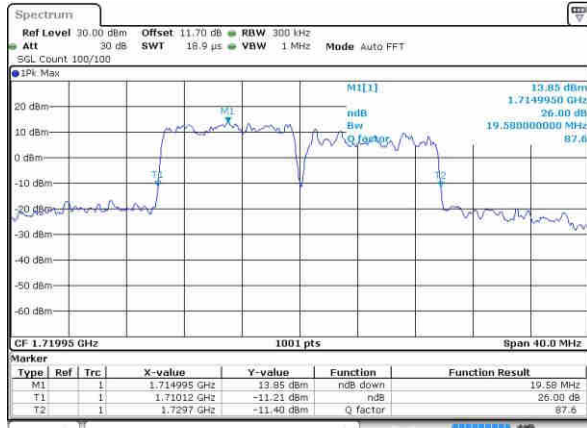
Date: 24 APR 2019 07:10:40



LTE Band 66

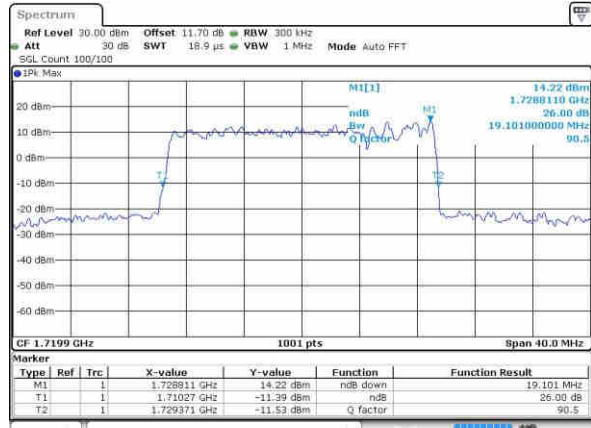
64QAM

Lowest Channel / 10MHz+10MHz



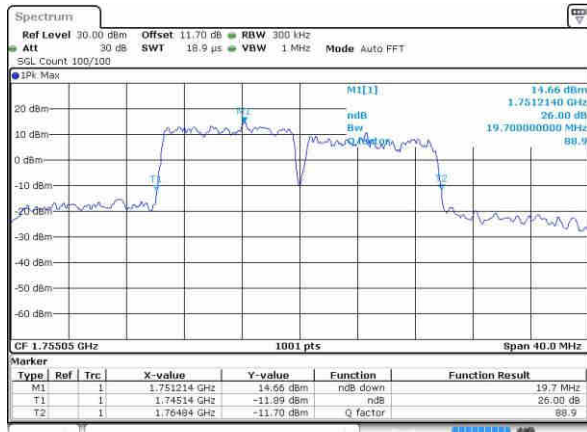
Date: 24 APR 2019 07:32:45

Lowest Channel / 15MHz+5MHz



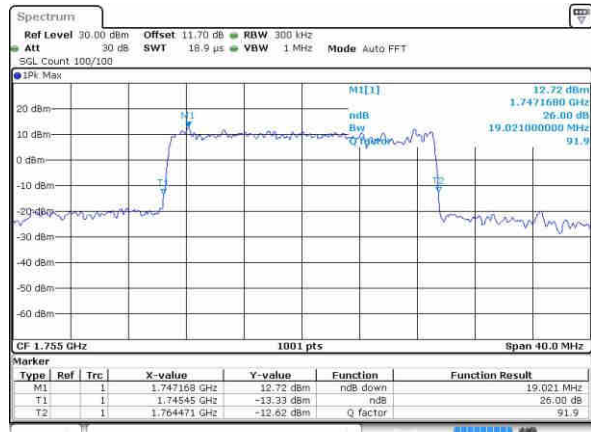
Date: 25 APR 2019 03:09:28

Middle Channel / 10MHz+10MHz



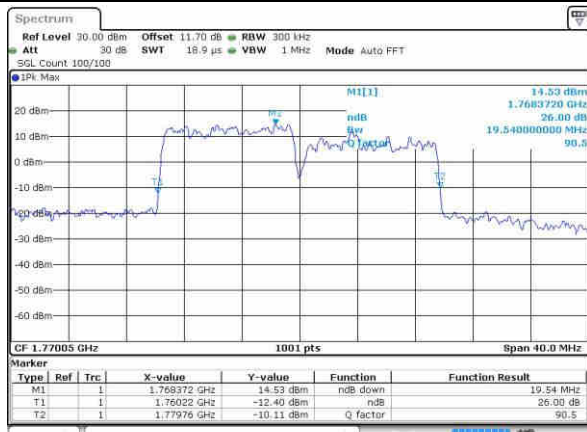
Date: 24 APR 2019 08:19:18

Middle Channel / 15MHz+5MHz



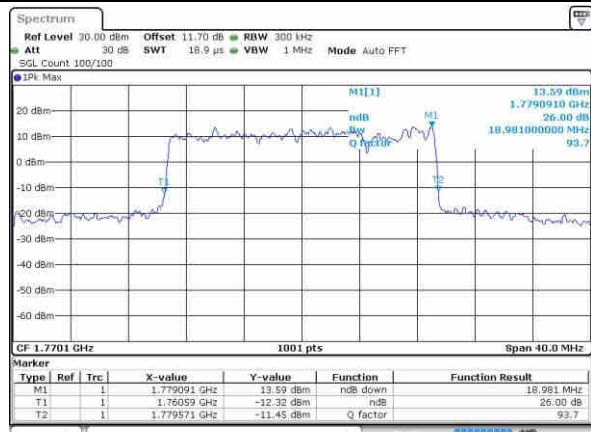
Date: 25 APR 2019 04:46:16

Highest Channel / 10MHz+10MHz



Date: 25 APR 2019 02:52:01

Highest Channel / 15MHz+5MHz



Date: 25 APR 2019 04:27:19

Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)		
	QPSK		
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.31	13.94	18.06
Middle CH	9.29	13.73	18.34
Highest CH	9.31	13.85	18.18
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.82	18.78	18.18
Middle CH	13.88	18.90	18.22
Highest CH	13.85	18.70	18.22

Mode	LTE Band 66 : 99%OBW(MHz)		
	16QAM		
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.31	13.76	18.26
Middle CH	9.29	13.88	18.22
Highest CH	9.29	13.88	18.26
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.85	18.94	18.18
Middle CH	13.97	18.74	18.18
Highest CH	13.91	18.66	18.14

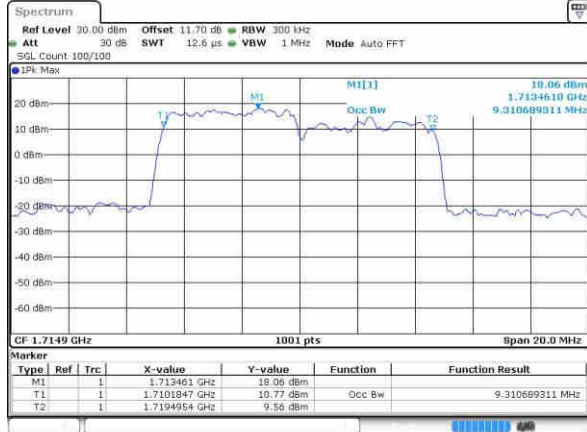
Mode	LTE Band 66 : 99%OBW(MHz)		
	64QAM		
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.35	13.79	18.10
Middle CH	9.31	13.82	18.10
Highest CH	9.27	13.91	18.14
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	13.94	18.70	18.18
Middle CH	13.91	18.78	18.18
Highest CH	13.85	18.62	18.10



LTE Band 66

QPSK

Lowest Channel / 5MHz+5MHz



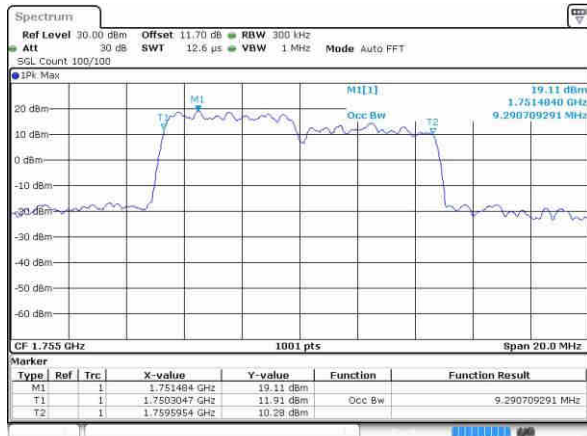
Date: 24 APR 2019 03:44:54

Lowest Channel / 5MHz+10MHz



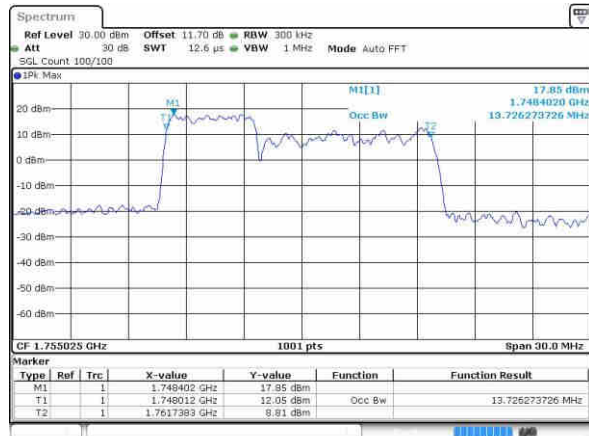
Date: 24 APR 2019 05:15:59

Middle Channel / 5MHz+5MHz



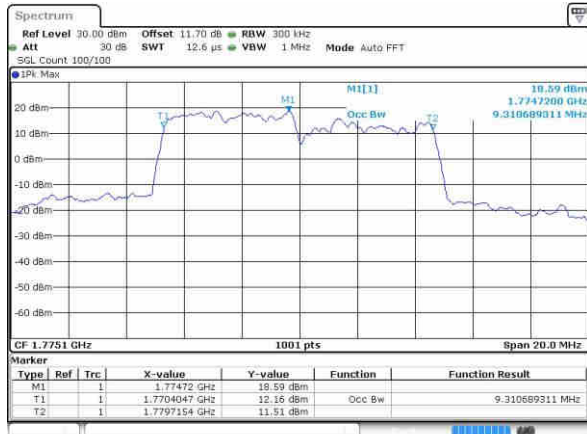
Date: 24 APR 2019 04:15:25

Middle Channel / 5MHz+10MHz



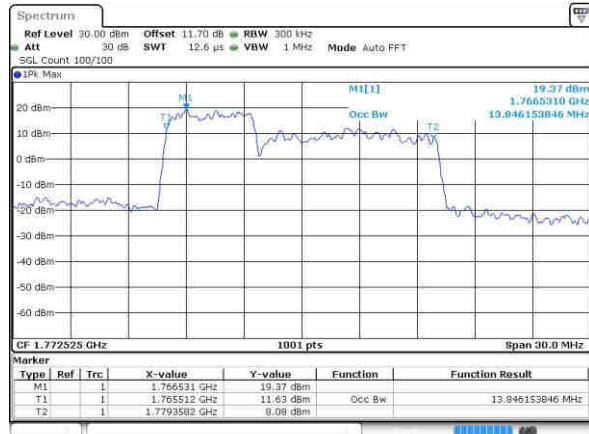
Date: 24 APR 2019 05:41:50

Highest Channel / 5MHz+5MHz



Date: 24 APR 2019 04:32:17

Highest Channel / 5MHz+10MHz



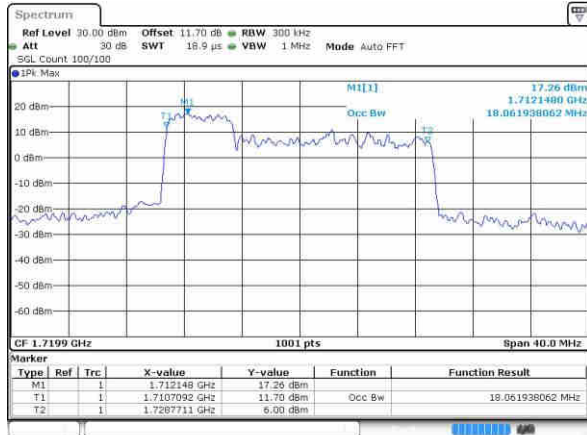
Date: 24 APR 2019 05:58:10



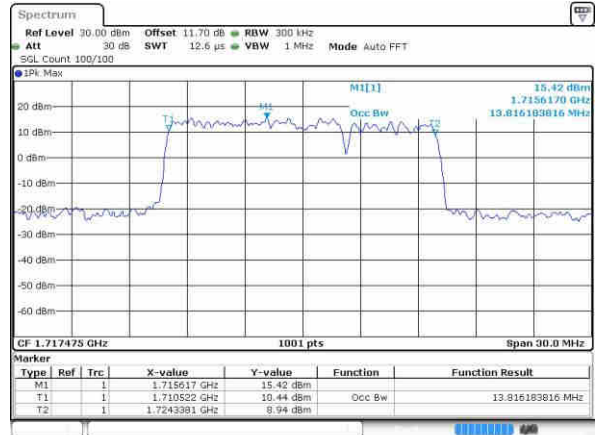
LTE Band 66

QPSK

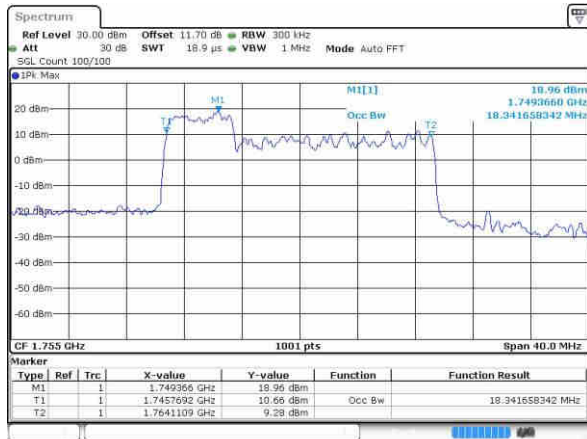
Lowest Channel / 5MHz+15MHz



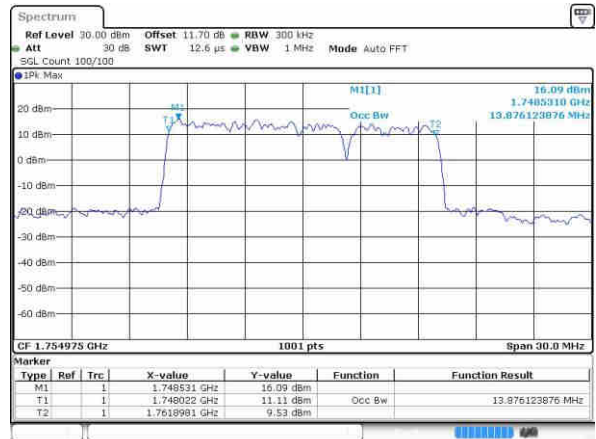
Lowest Channel / 10MHz+5MHz



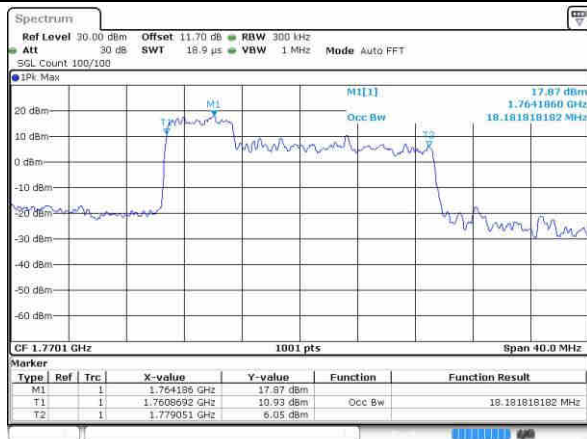
Middle Channel / 5MHz+15MHz



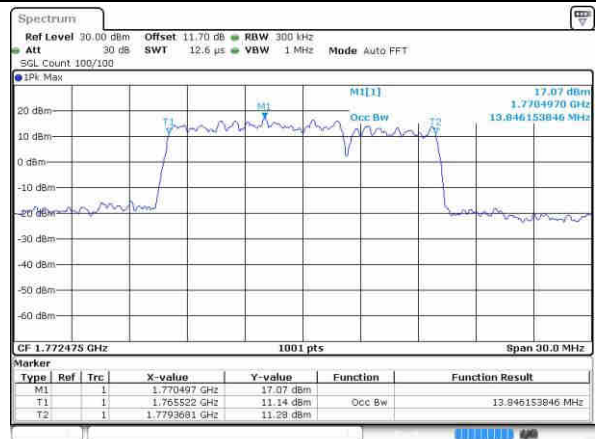
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

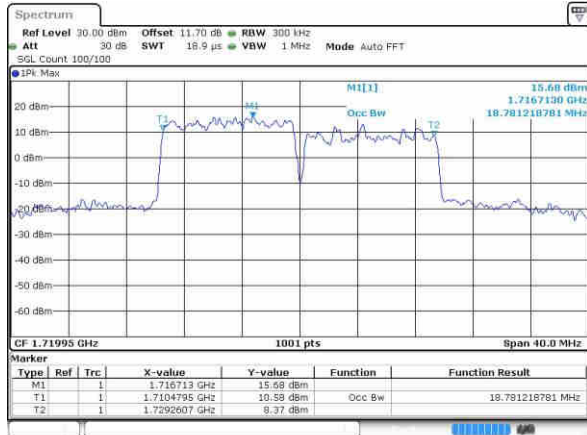




LTE Band 66

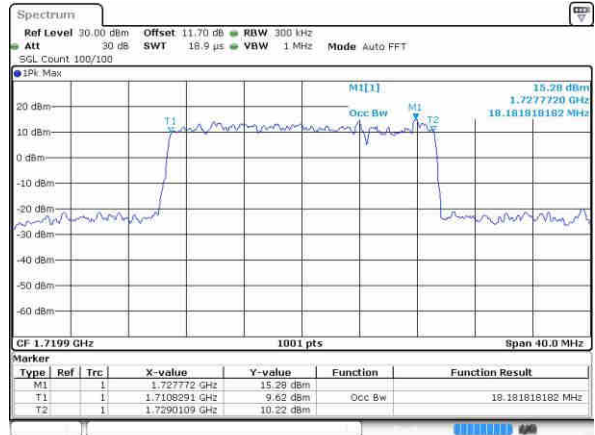
QPSK

Lowest Channel / 10MHz+10MHz



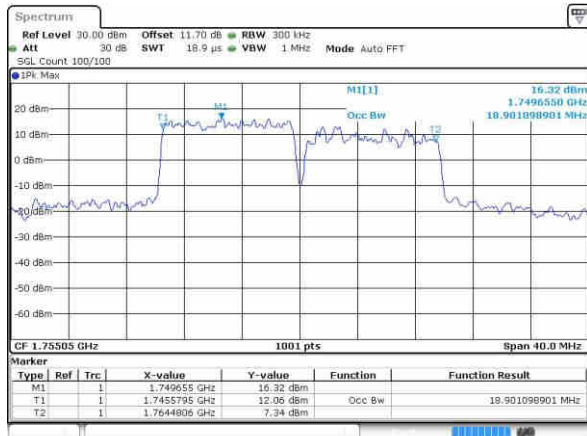
Date: 24 APR 2019 07:30:52

Lowest Channel / 15MHz+5MHz



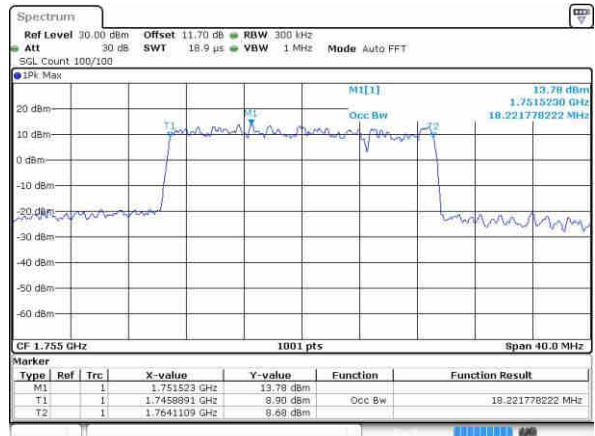
Date: 25 APR 2019 03:08:19

Middle Channel / 10MHz+10MHz



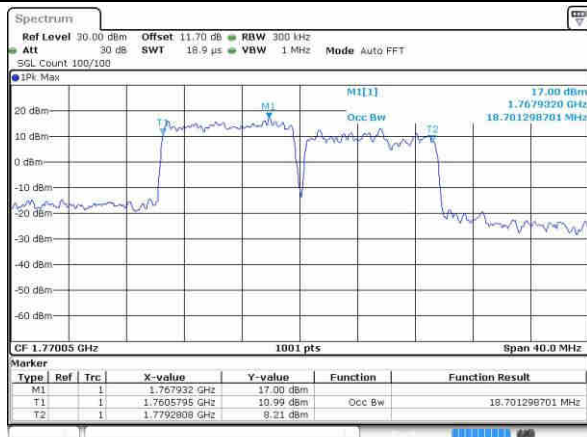
Date: 24 APR 2019 07:58:02

Middle Channel / 15MHz+5MHz



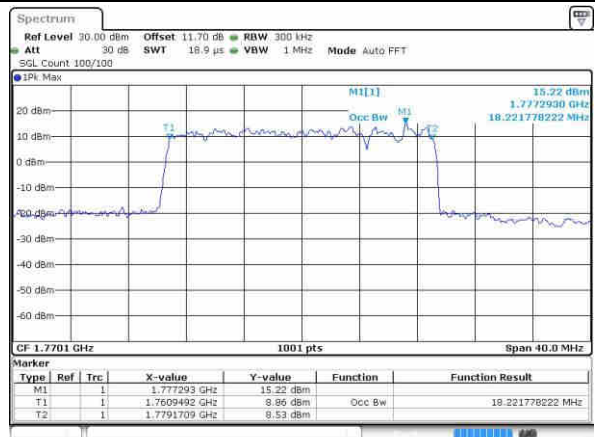
Date: 25 APR 2019 04:44:21

Highest Channel / 10MHz+10MHz



Date: 24 APR 2019 08:24:05

Highest Channel / 15MHz+5MHz



Date: 25 APR 2019 04:28:10