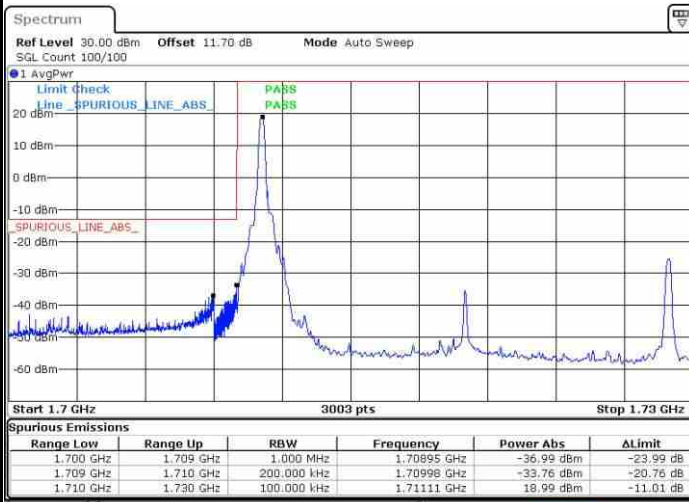




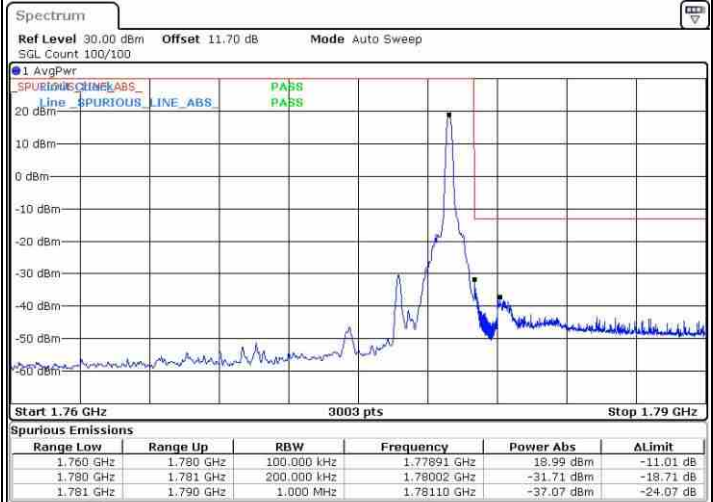
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



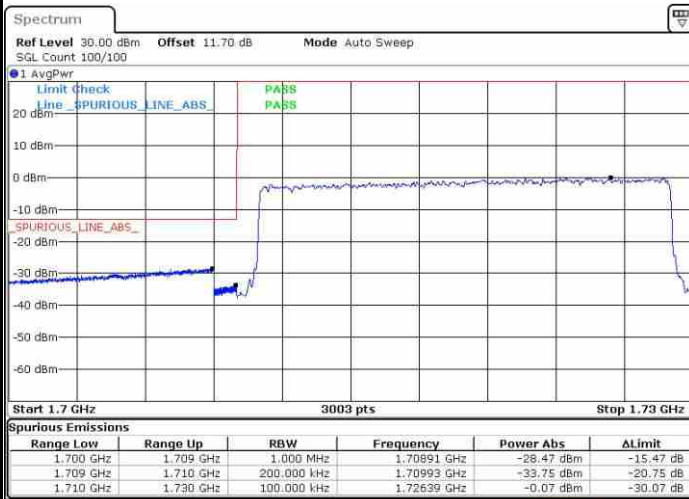
Date: 26 FEB 2019 20:39:12

Highest Band Edge / 1 RB



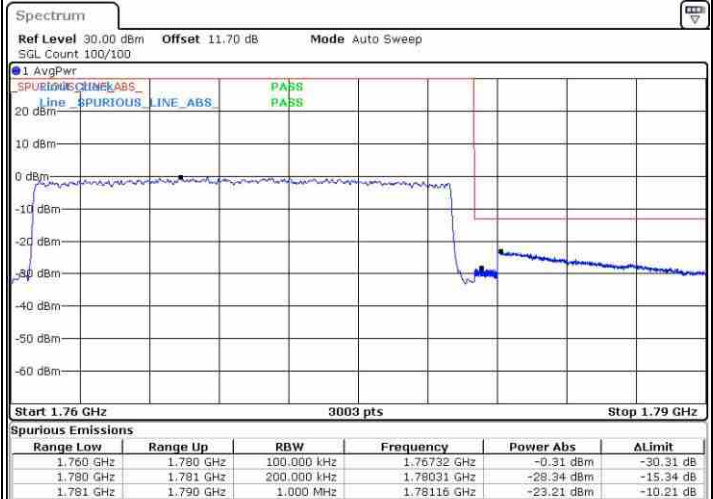
Date: 26 FEB 2019 20:44:21

Lowest Band Edge / Full RB

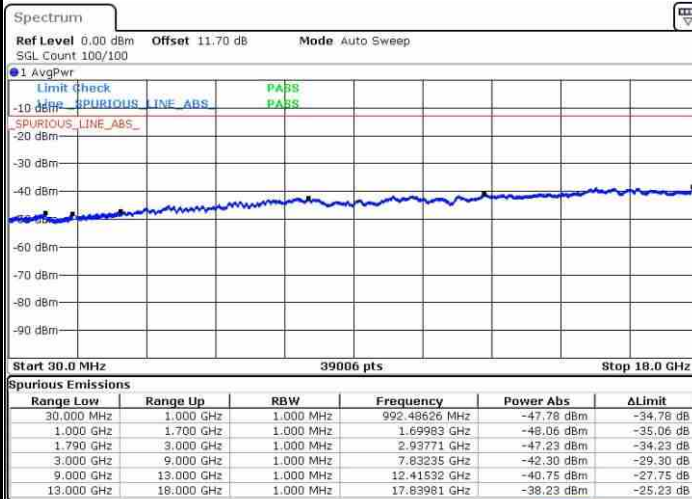


Date: 26 FEB 2019 20:40:22

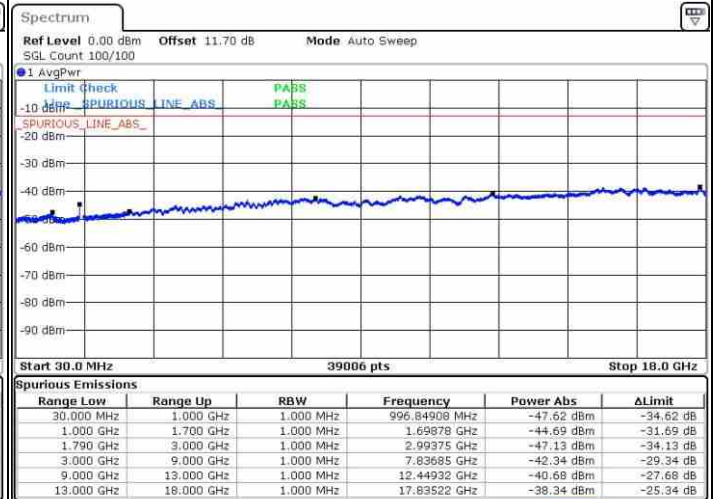
Highest Band Edge / Full RB



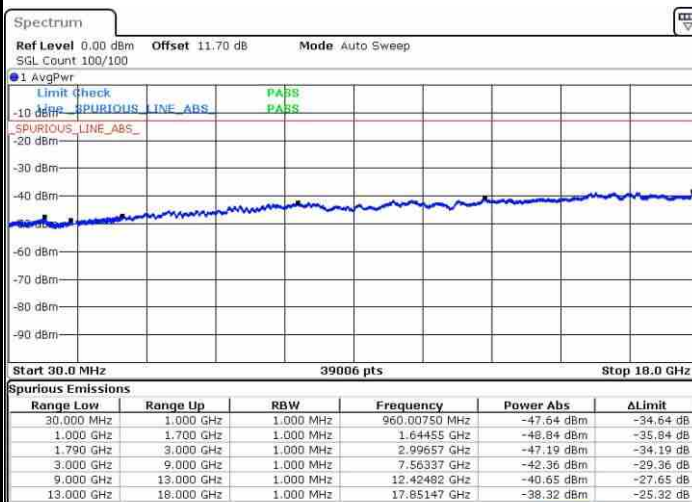
Date: 26 FEB 2019 20:45:31

**Conducted Spurious Emission****LTE Band 66 / 1.4MHz****Lowest Channel / QPSK**

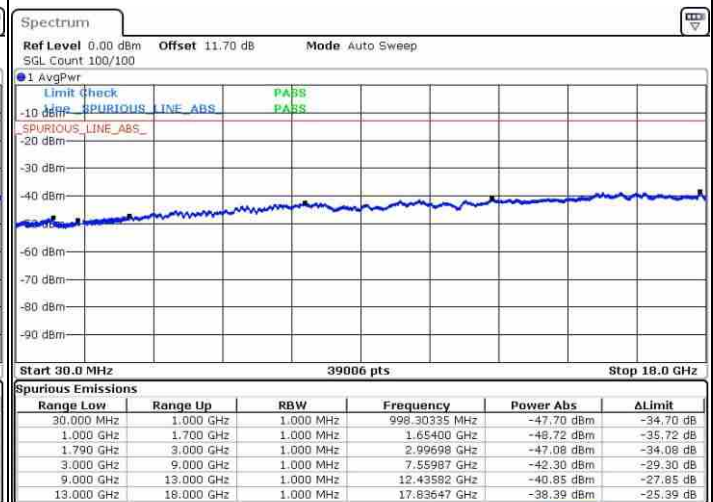
Date: 26 FEB 2019 18:13:12

Lowest Channel / 16QAM

Date: 26 FEB 2019 18:14:13

Middle Channel / QPSK

Date: 26 FEB 2019 18:16:00

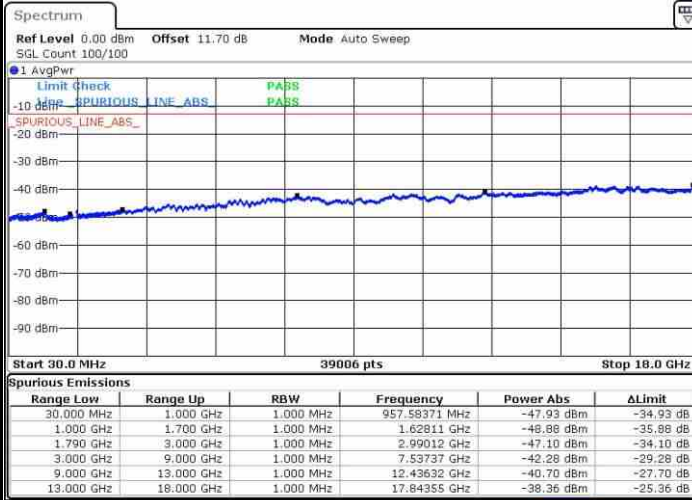
Middle Channel / 16QAM

Date: 26 FEB 2019 18:17:01



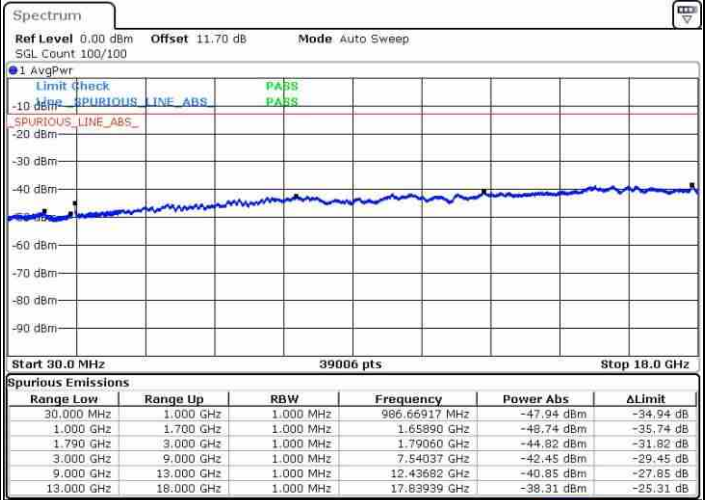
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 26 FEB 2019 18:23:29

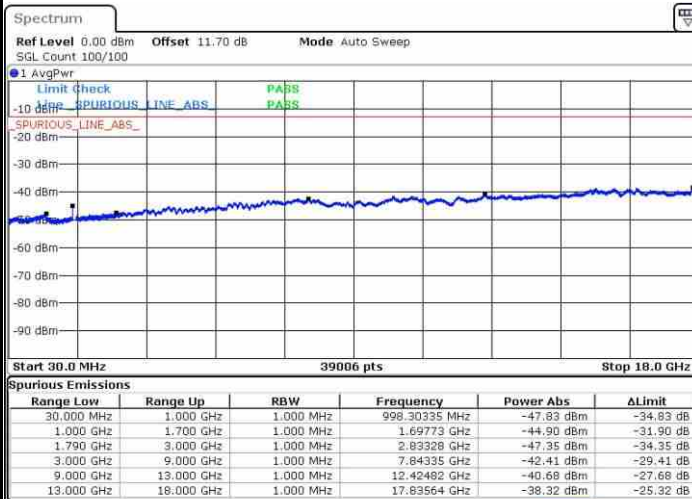
Highest Channel / 16QAM



Date: 26 FEB 2019 18:24:30

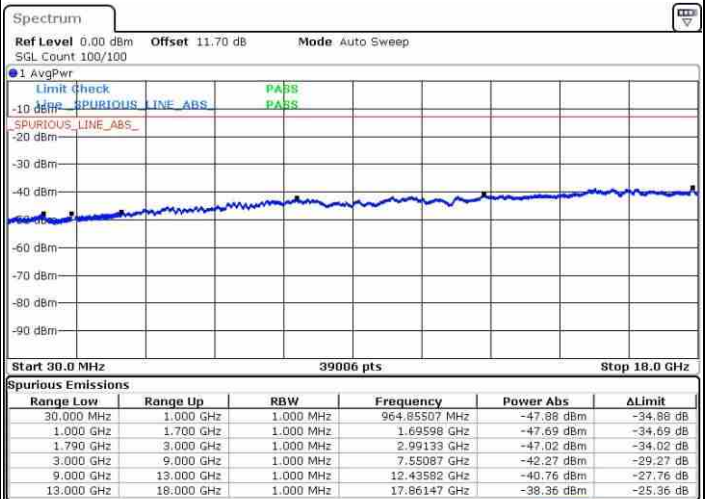
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 26 FEB 2019 18:39:51

Lowest Channel / 16QAM

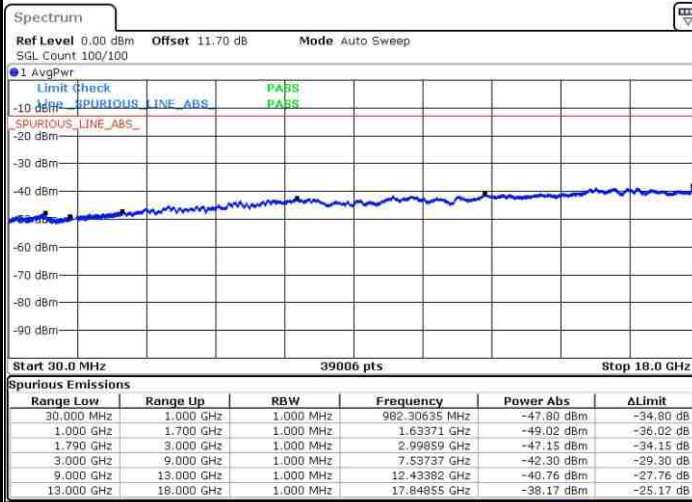


Date: 26 FEB 2019 18:40:52



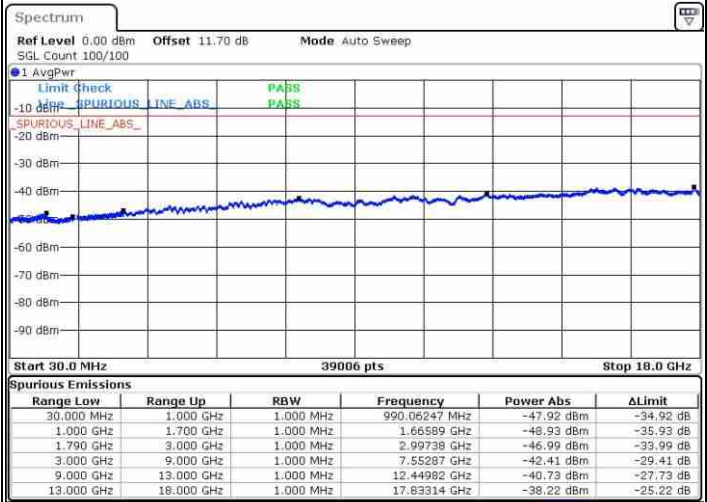
LTE Band 66 / 3MHz

Middle Channel / QPSK



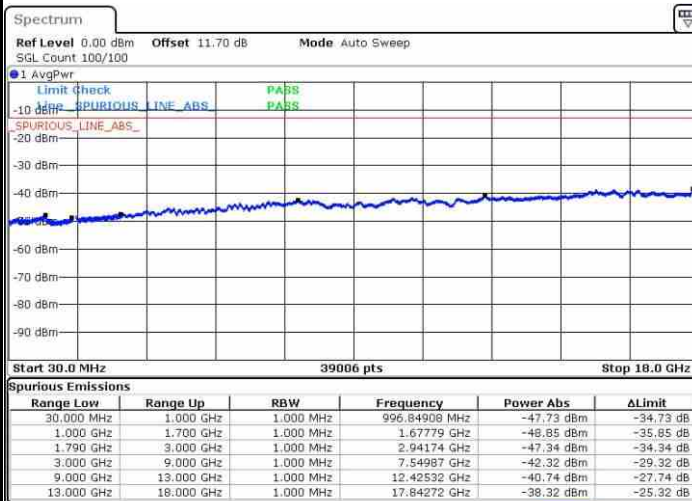
Date: 26 FEB 2019 18:42:39

Middle Channel / 16QAM



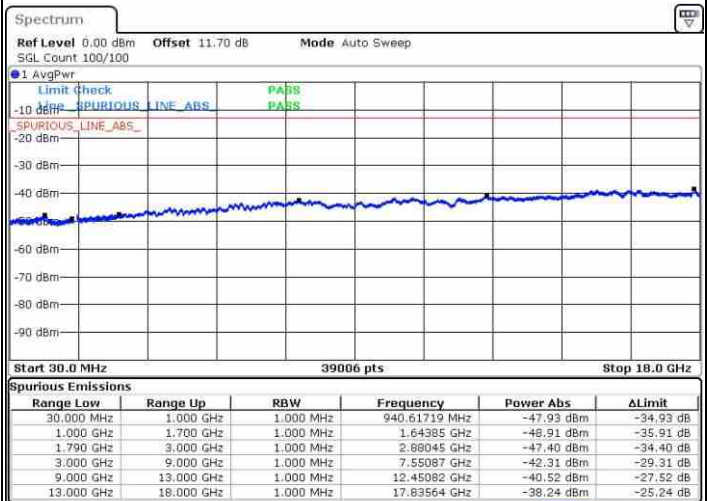
Date: 26 FEB 2019 18:43:40

Highest Channel / QPSK



Date: 26 FEB 2019 18:50:07

Highest Channel / 16QAM

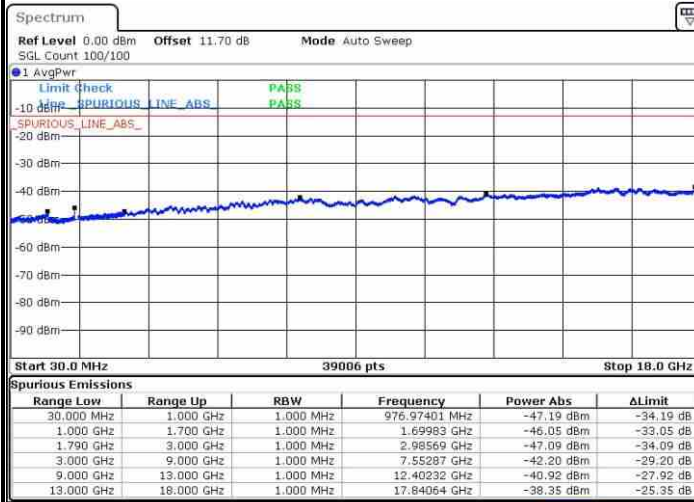


Date: 26 FEB 2019 18:51:08



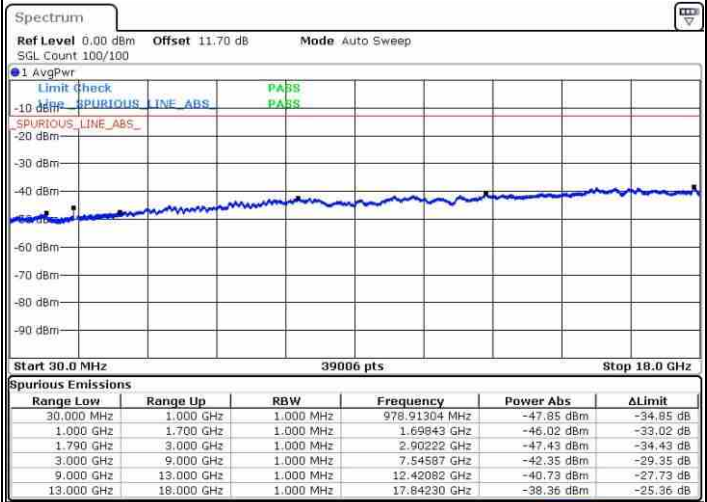
LTE Band 66 / 5MHz

Lowest Channel / QPSK



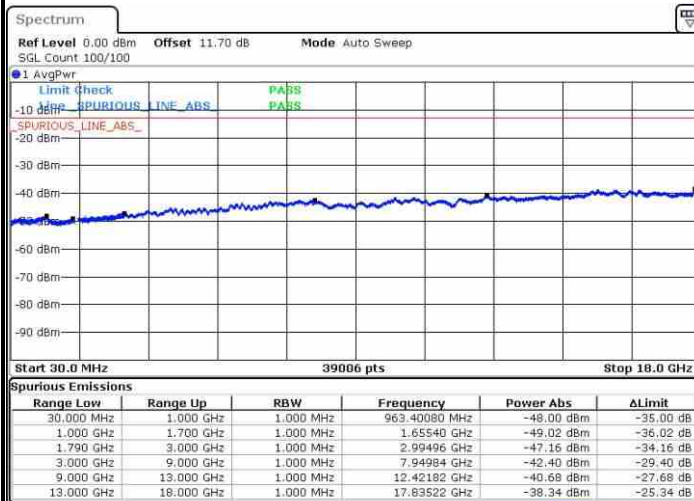
Date: 26 FEB 2019 18:57:35

Lowest Channel / 16QAM



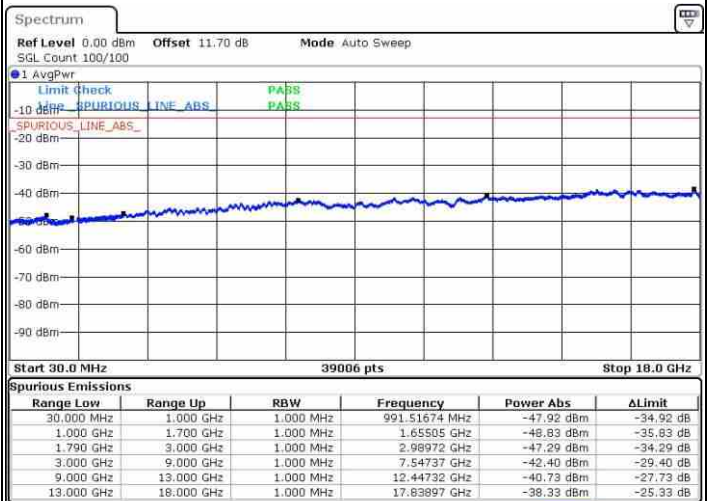
Date: 26 FEB 2019 18:58:37

Middle Channel / QPSK



Date: 26 FEB 2019 19:00:23

Middle Channel / 16QAM

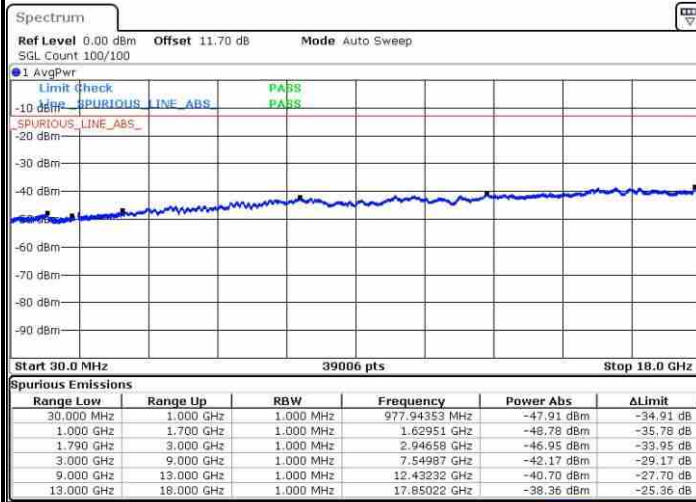


Date: 26 FEB 2019 19:01:24



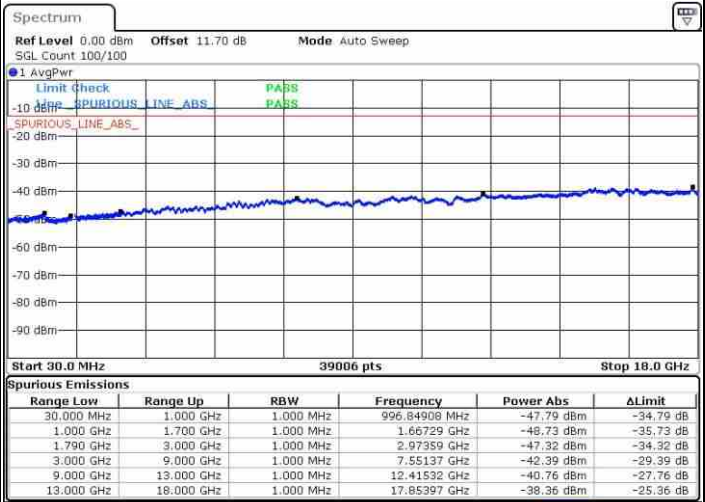
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 26 FEB 2019 19:07:52

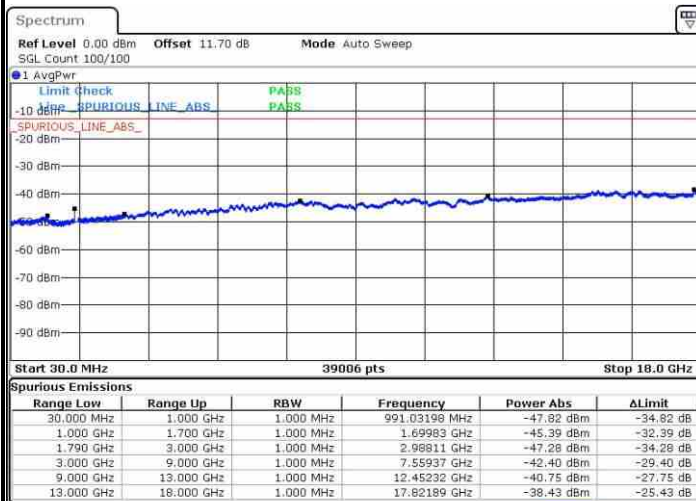
Highest Channel / 16QAM



Date: 26 FEB 2019 19:08:53

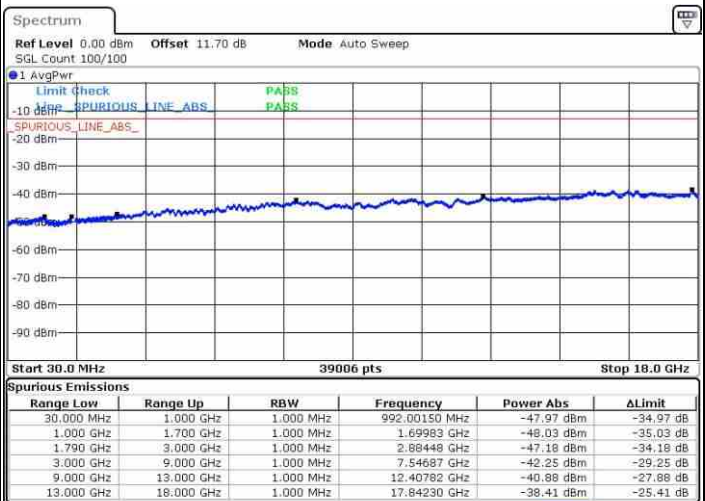
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 26 FEB 2019 19:15:21

Lowest Channel / 16QAM

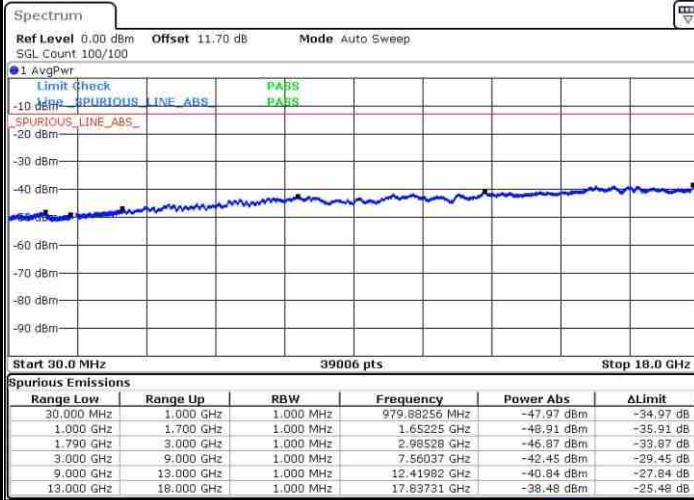


Date: 26 FEB 2019 19:16:22



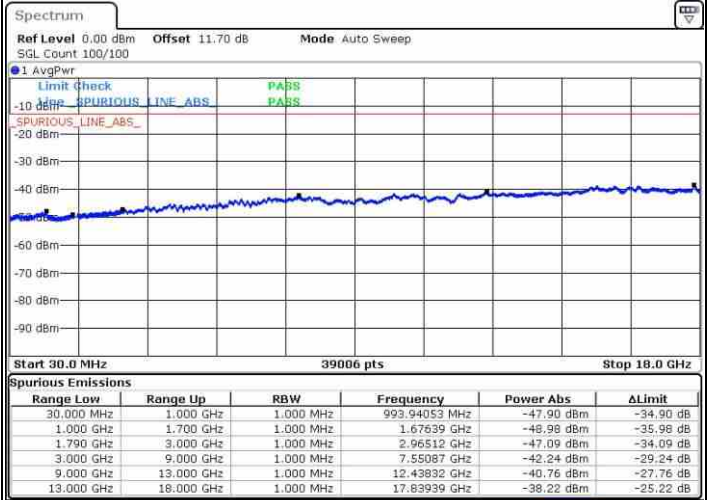
LTE Band 66 / 10MHz

Middle Channel / QPSK



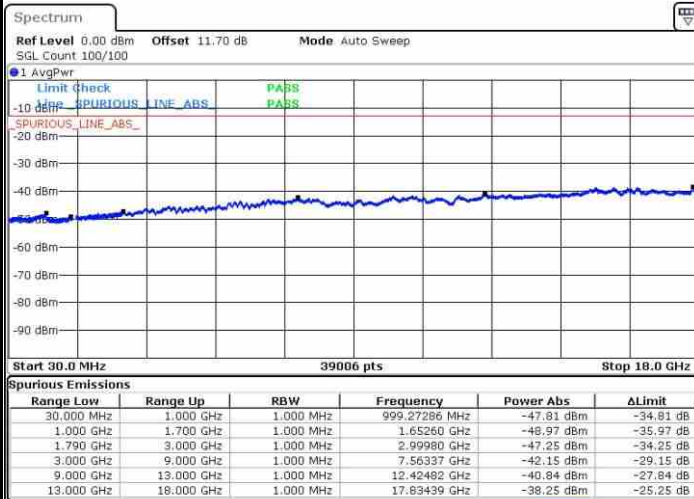
Date: 26 FEB 2019 19:18:09

Middle Channel / 16QAM



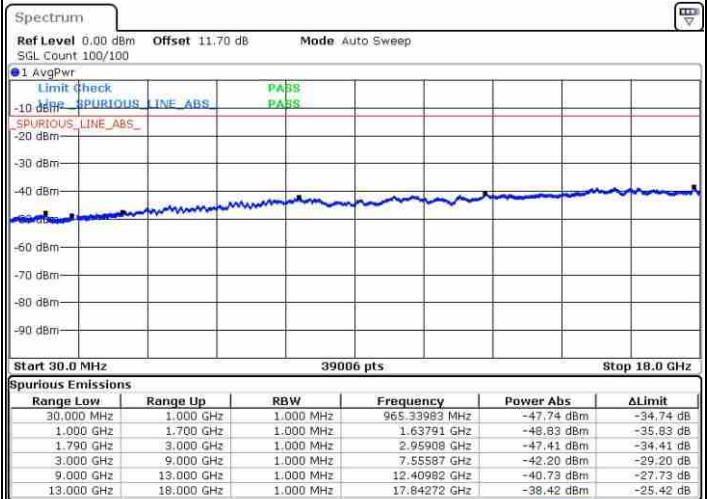
Date: 26 FEB 2019 19:19:10

Highest Channel / QPSK



Date: 26 FEB 2019 19:25:38

Highest Channel / 16QAM

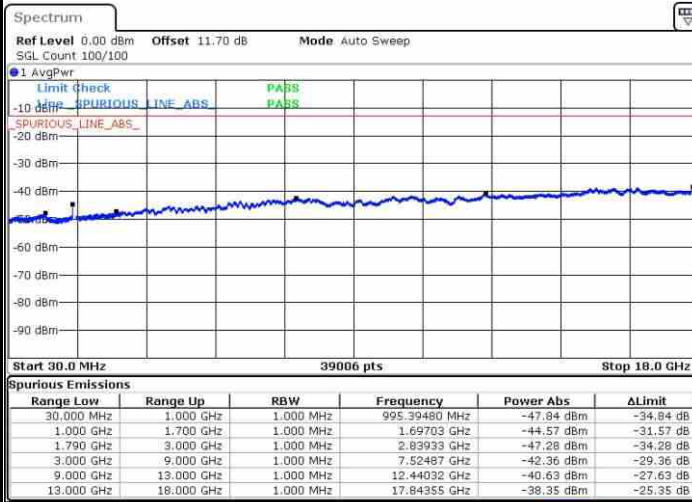


Date: 26 FEB 2019 19:26:39



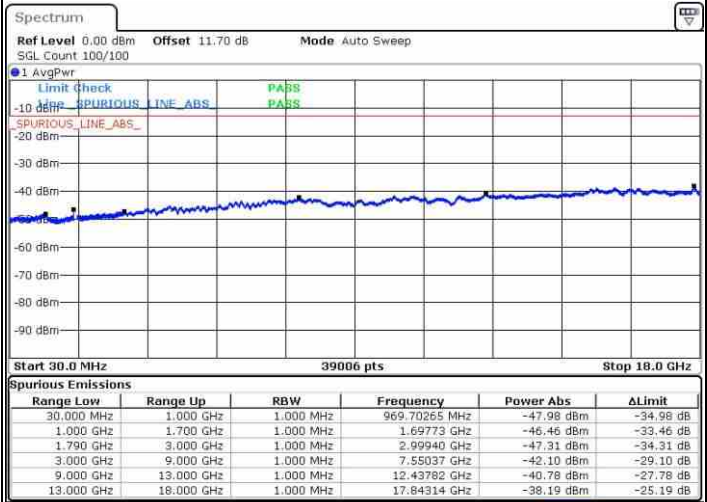
LTE Band 66 / 15MHz

Lowest Channel / QPSK



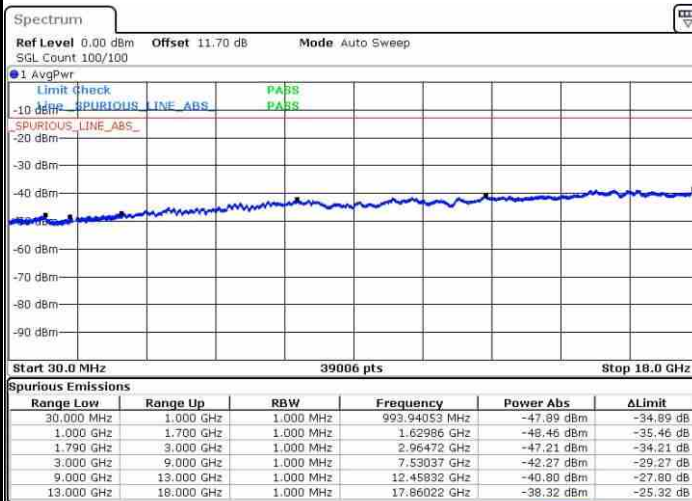
Date: 26 FEB 2019 19:33:07

Lowest Channel / 16QAM



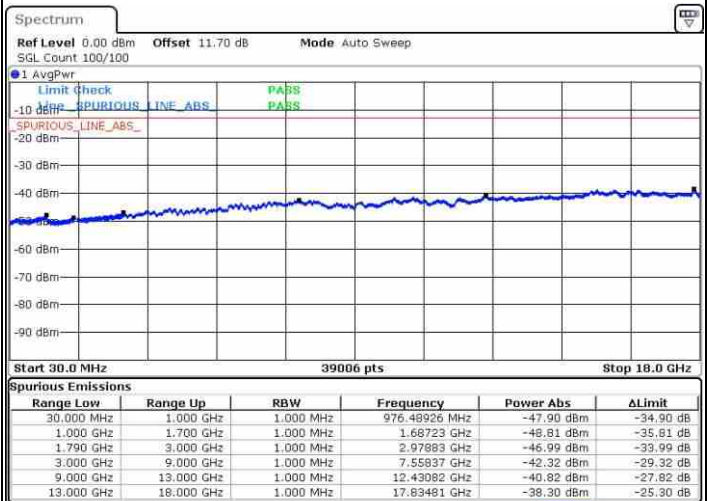
Date: 26 FEB 2019 19:34:08

Middle Channel / QPSK



Date: 26 FEB 2019 19:35:55

Middle Channel / 16QAM

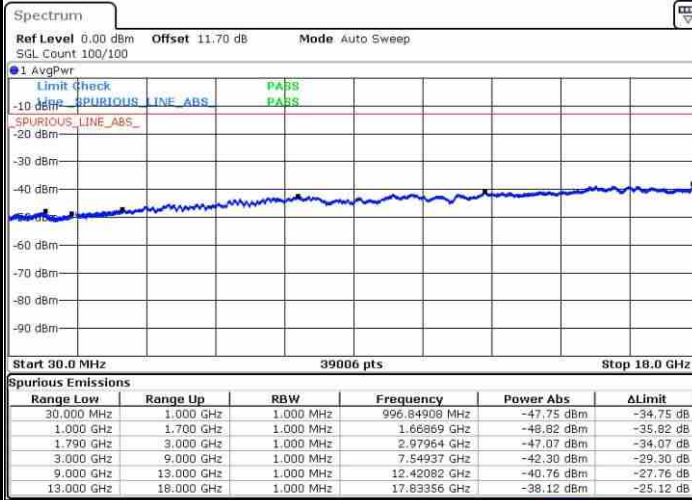


Date: 26 FEB 2019 19:36:56



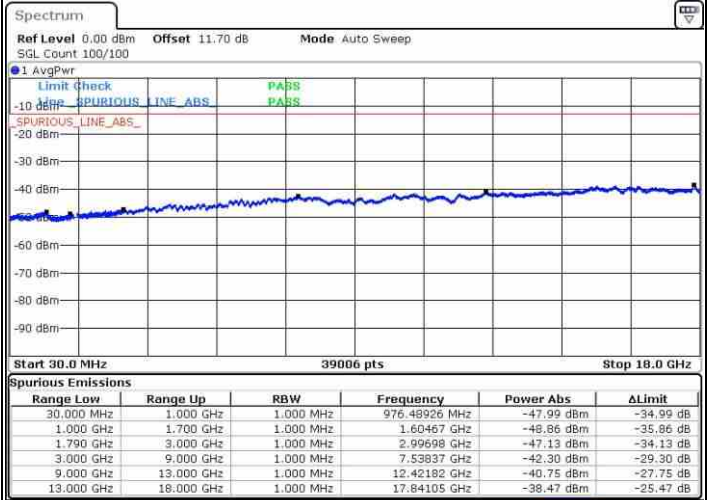
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 26 FEB 2019 19:43:23

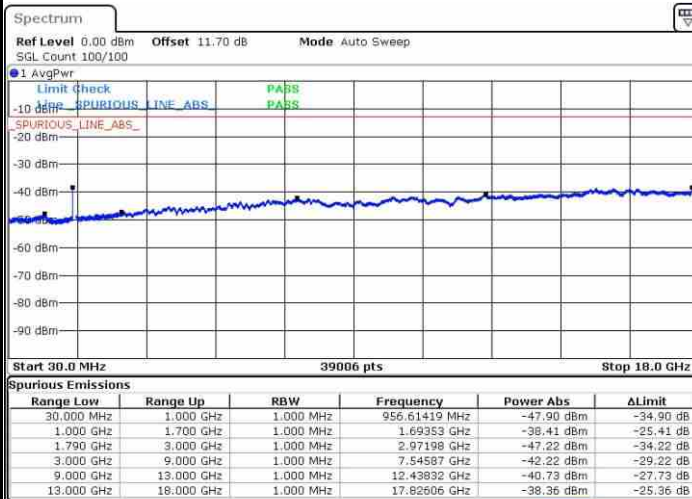
Highest Channel / 16QAM



Date: 26 FEB 2019 19:44:24

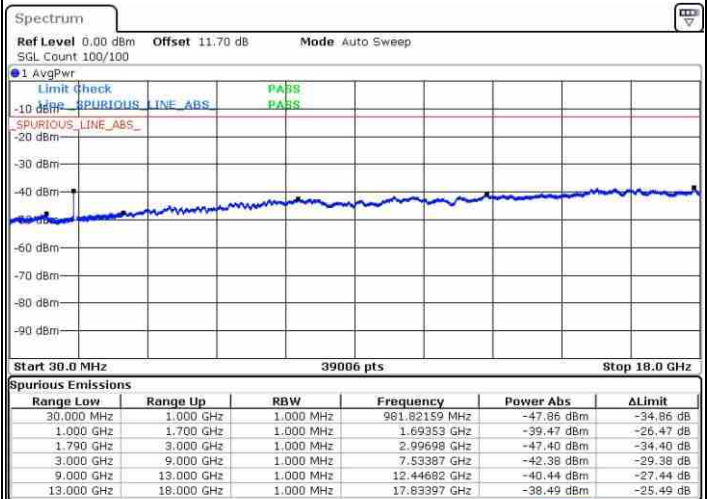
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 26 FEB 2019 19:50:51

Lowest Channel / 16QAM

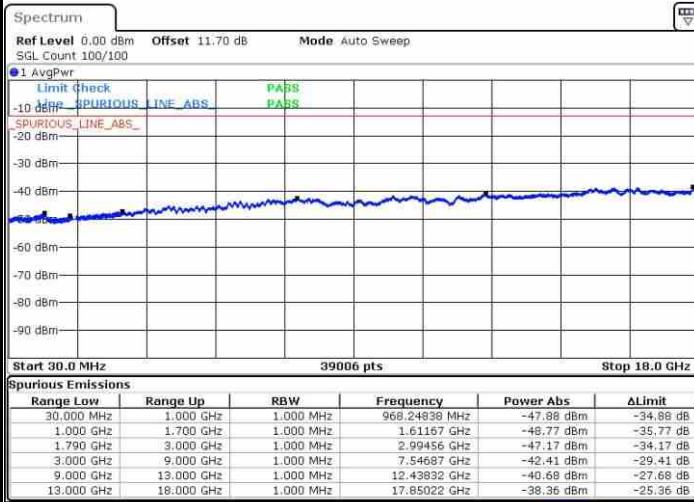


Date: 26 FEB 2019 19:51:52



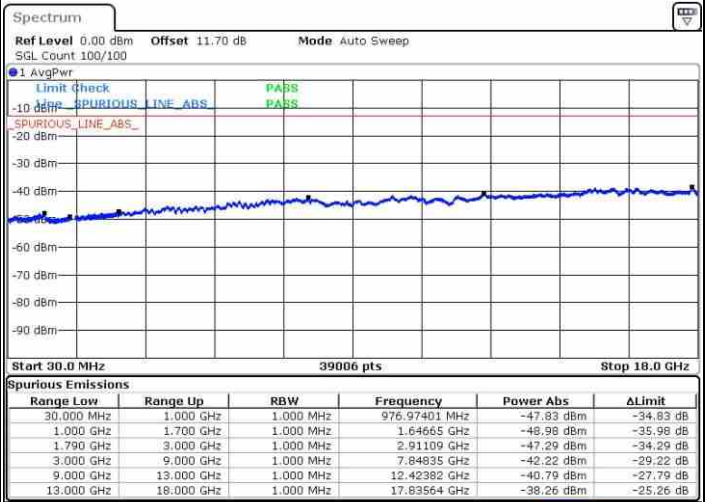
LTE Band 66 / 20MHz

Middle Channel / QPSK



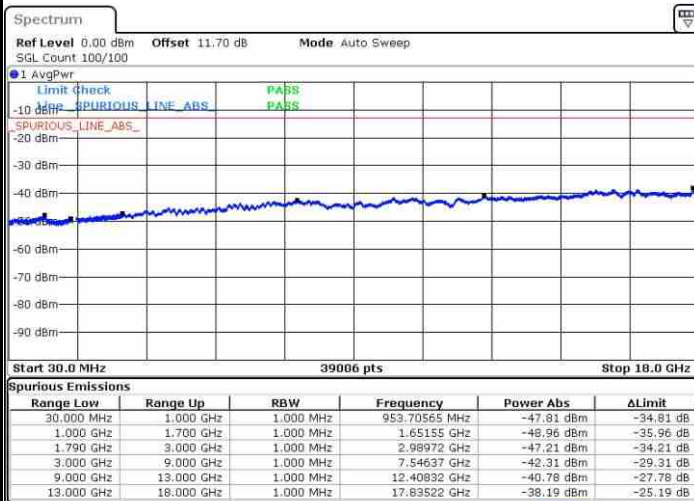
Date: 26 FEB 2019 19:53:39

Middle Channel / 16QAM



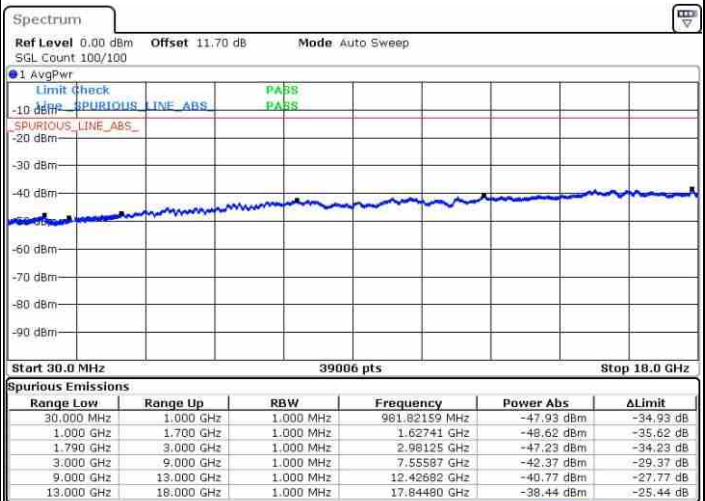
Date: 26 FEB 2019 19:54:41

Highest Channel / QPSK



Date: 26 FEB 2019 20:01:08

Highest Channel / 16QAM

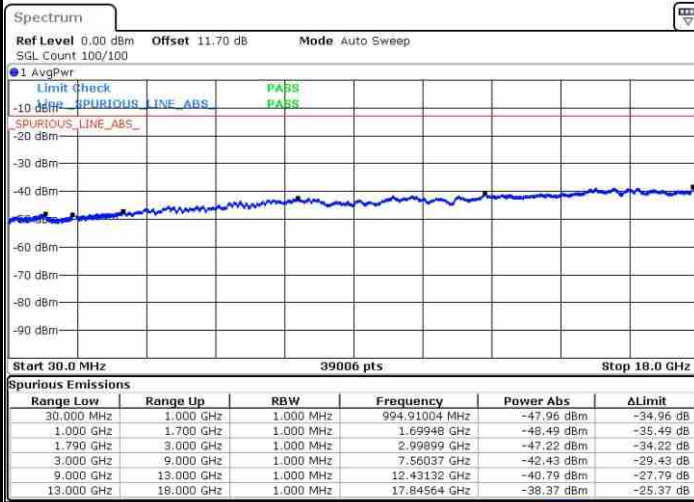


Date: 26 FEB 2019 20:02:09



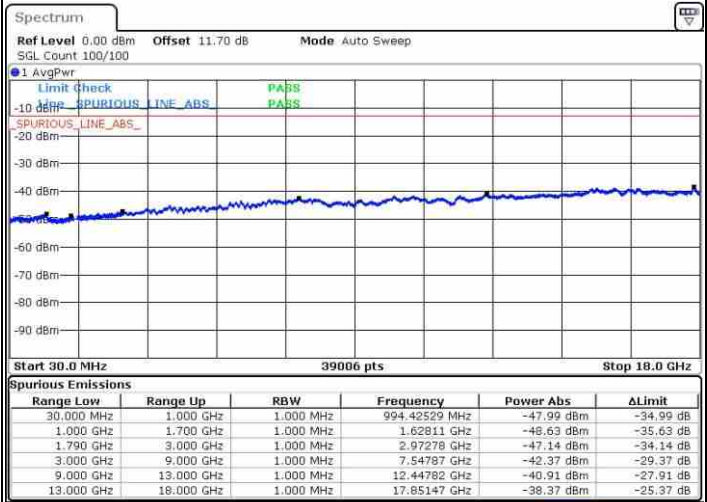
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



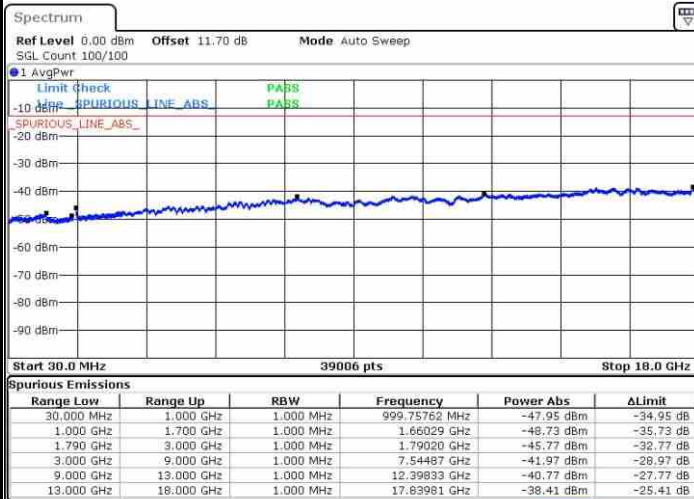
Date: 26 FEB 2019 18:28:15

Middle Channel / 64QAM



Date: 26 FEB 2019 18:29:39

Highest Channel / 64QAM

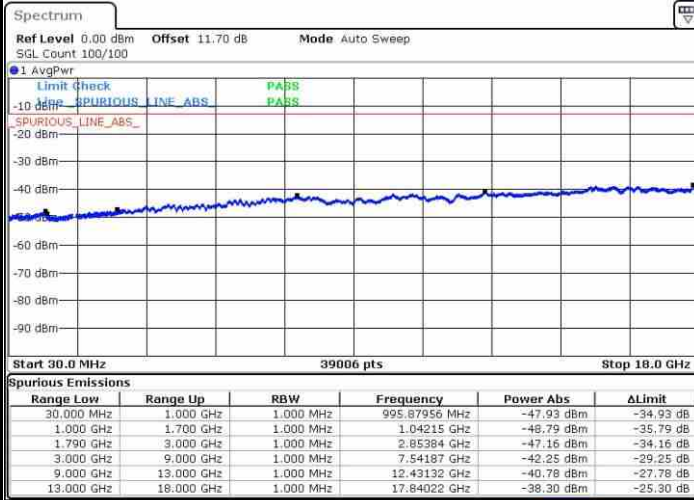


Date: 26 FEB 2019 18:33:23



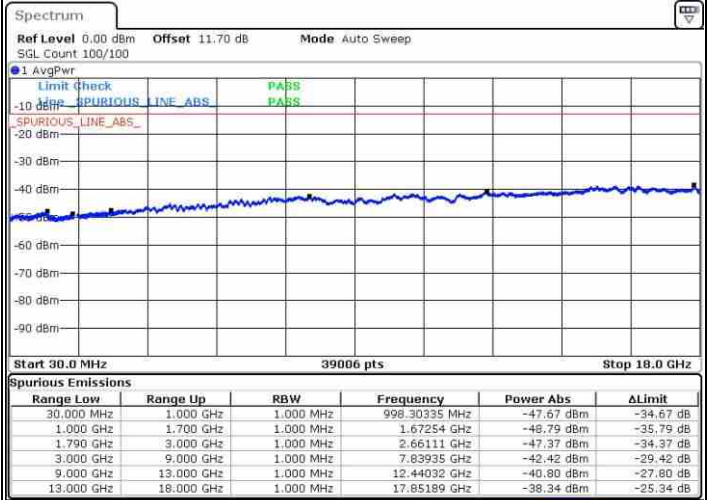
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



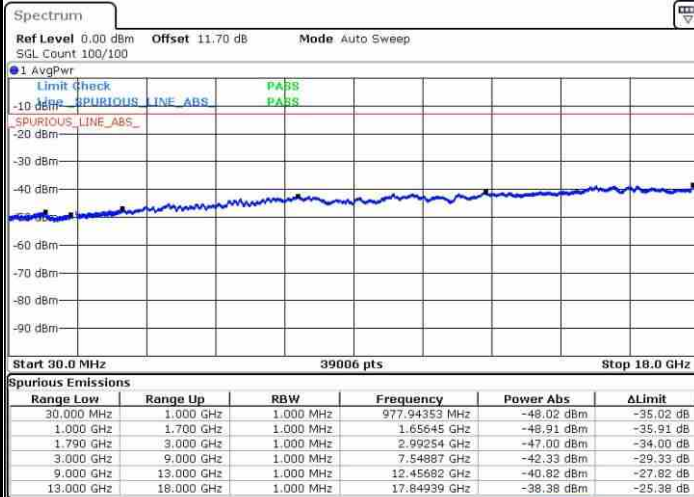
Date: 26 FEB 2019 20:05:53

Middle Channel / 64QAM



Date: 26 FEB 2019 20:07:17

Highest Channel / 64QAM

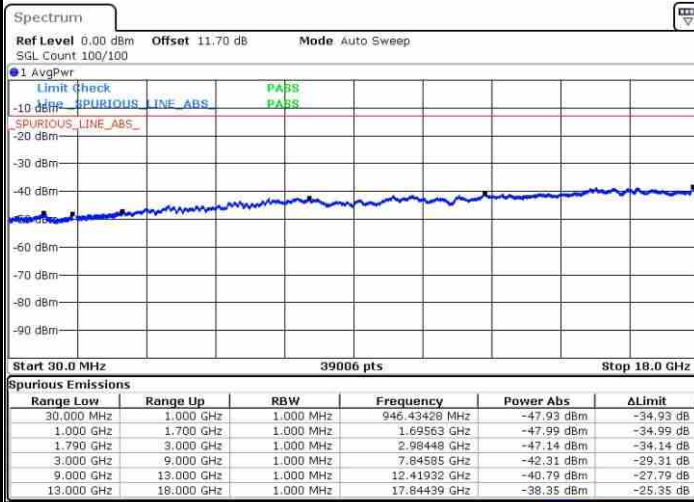


Date: 26 FEB 2019 20:11:01



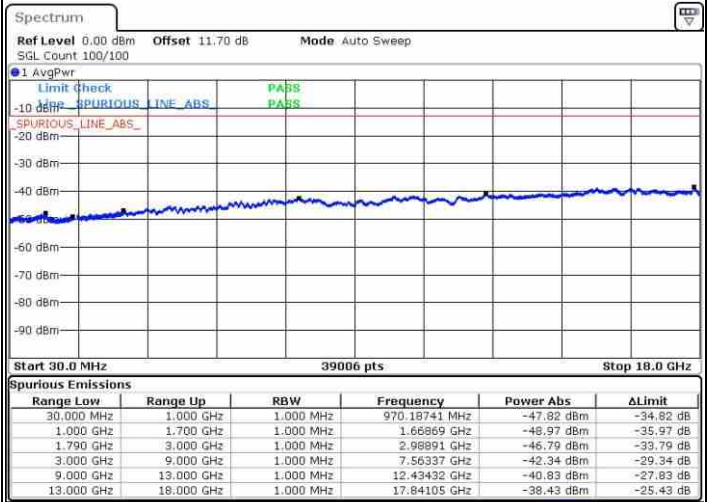
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



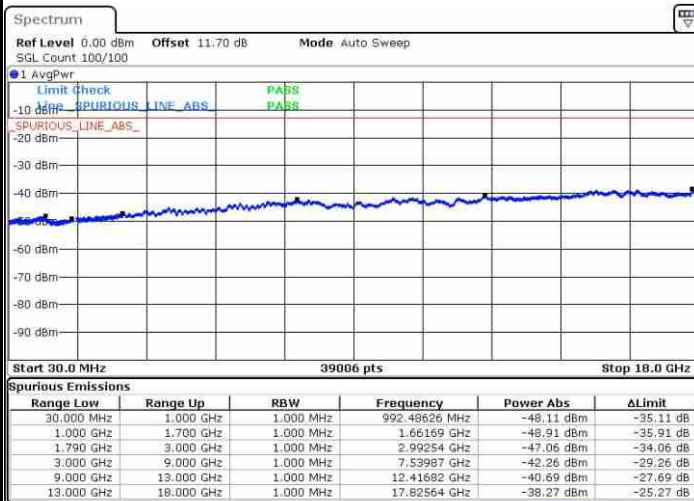
Date: 26 FEB 2019 20:14:45

Middle Channel / 64QAM



Date: 26 FEB 2019 20:16:09

Highest Channel / 64QAM

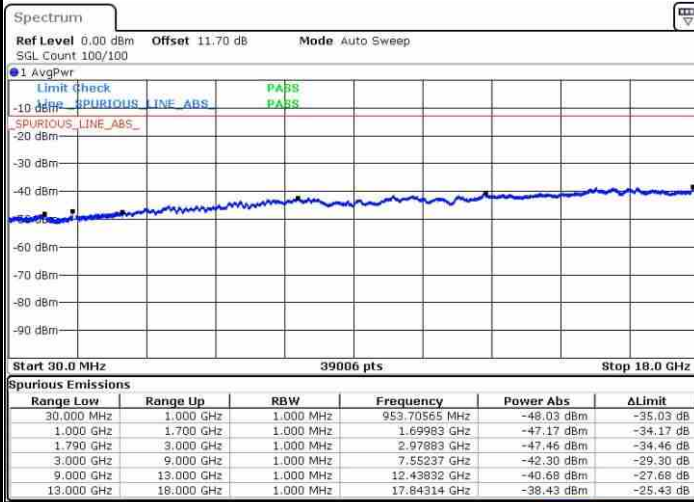


Date: 26 FEB 2019 20:19:54



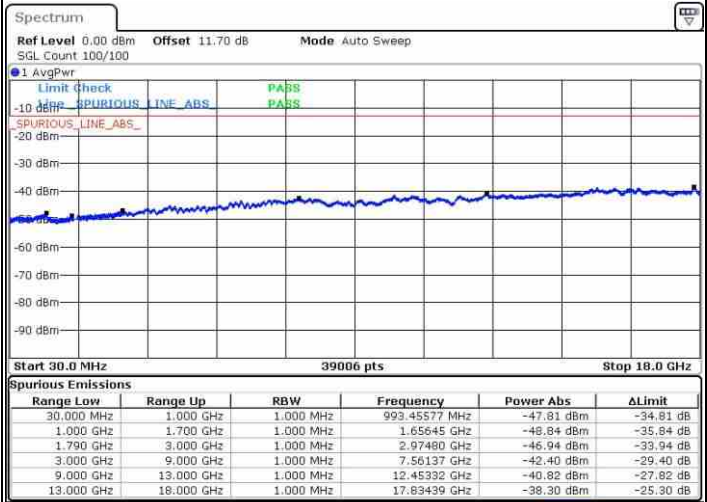
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



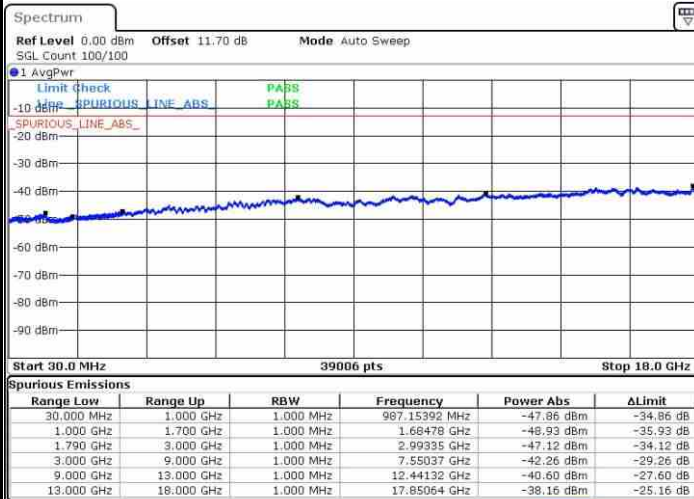
Date: 26 FEB 2019 20:23:38

Middle Channel / 64QAM



Date: 26 FEB 2019 20:25:02

Highest Channel / 64QAM

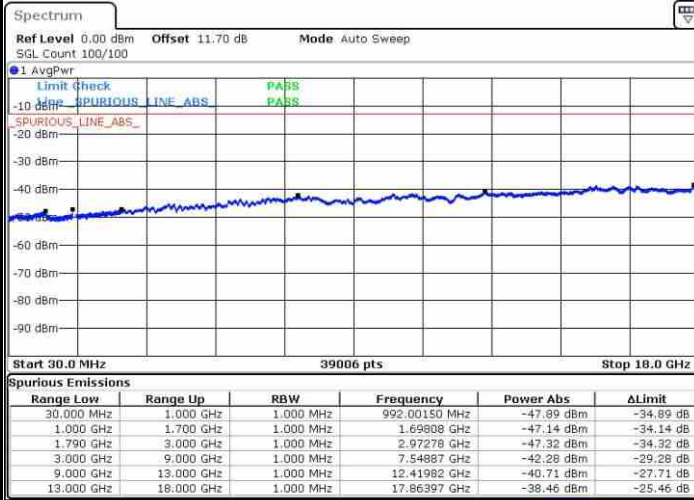


Date: 26 FEB 2019 20:28:46



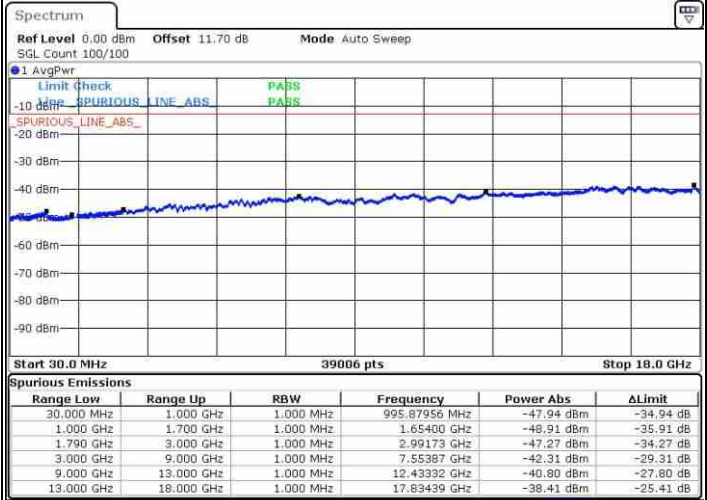
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



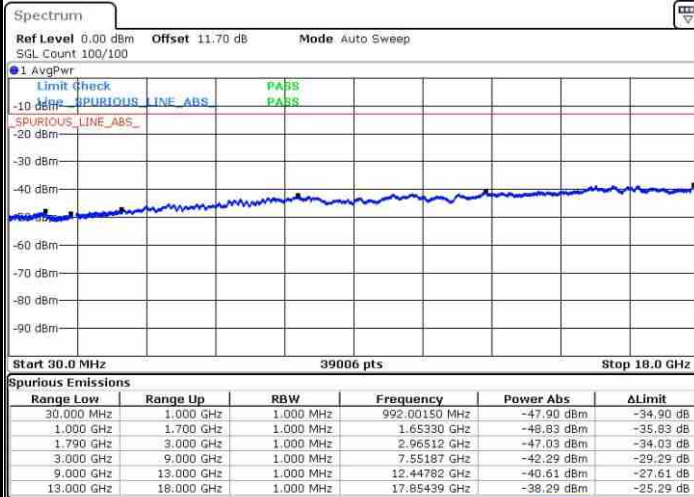
Date: 26 FEB 2019 20:32:31

Middle Channel / 64QAM



Date: 26 FEB 2019 20:33:55

Highest Channel / 64QAM

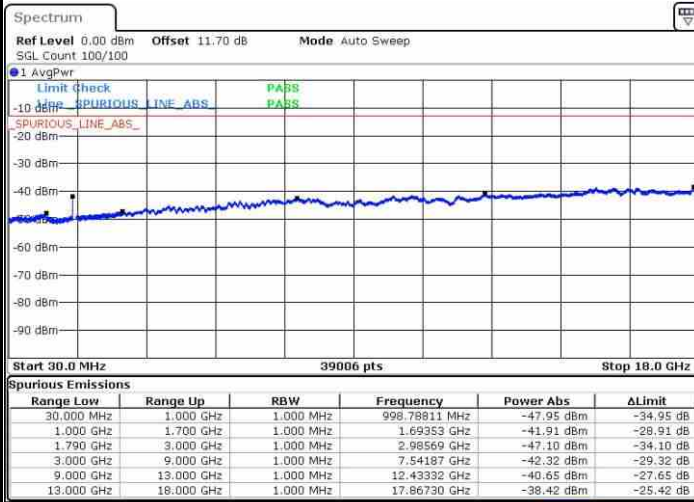


Date: 26 FEB 2019 20:37:39



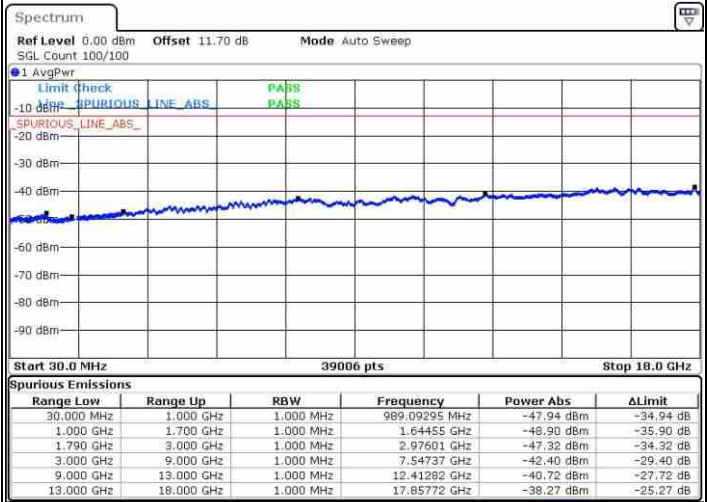
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



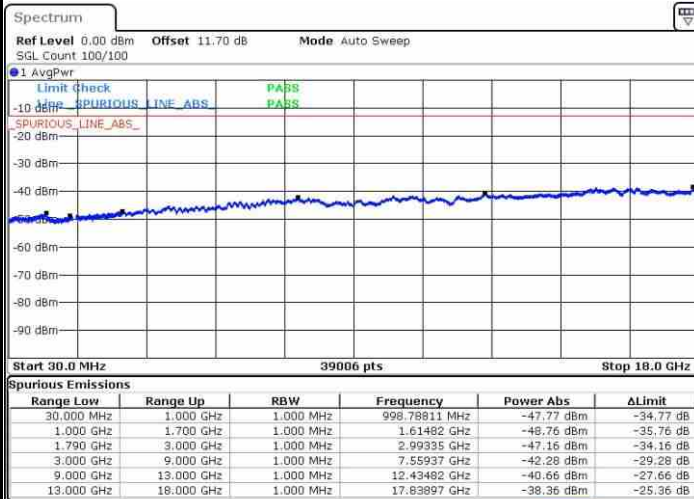
Date: 26 FEB 2019 20:41:23

Middle Channel / 64QAM



Date: 26 FEB 2019 20:42:47

Highest Channel / 64QAM



Date: 26 FEB 2019 20:46:31

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0079	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: 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	9.95	16.00	20.42
Middle CH	9.93	16.03	20.38
Highest CH	9.97	15.97	20.42
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	16.09	20.90	20.26
Middle CH	16.09	21.06	20.42
Highest CH	16.12	20.94	20.42

Mode	LTE Band 66 : 26dB BW(MHz)		
16QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.93	15.88	20.22
Middle CH	9.95	16.00	20.18
Highest CH	9.89	15.94	20.14
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	16.06	20.82	20.50
Middle CH	16.06	20.90	20.42
Highest CH	16.18	20.82	20.34

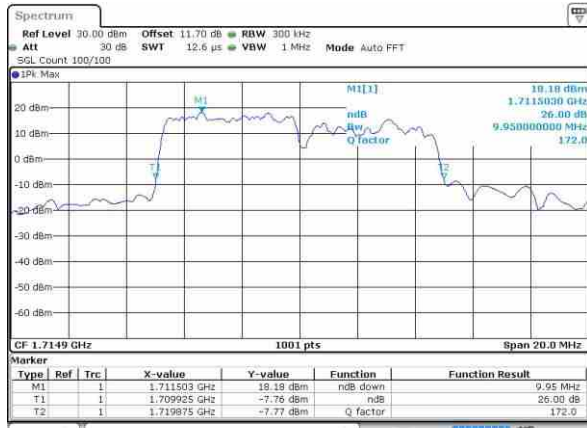
Mode	LTE Band 66 : 26dB BW(MHz)		
64QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.91	16.00	20.34
Middle CH	9.93	16.00	20.26
Highest CH	9.91	16.06	20.18
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	16.06	20.90	20.34
Middle CH	16.09	21.14	20.50
Highest CH	16.24	20.86	20.38



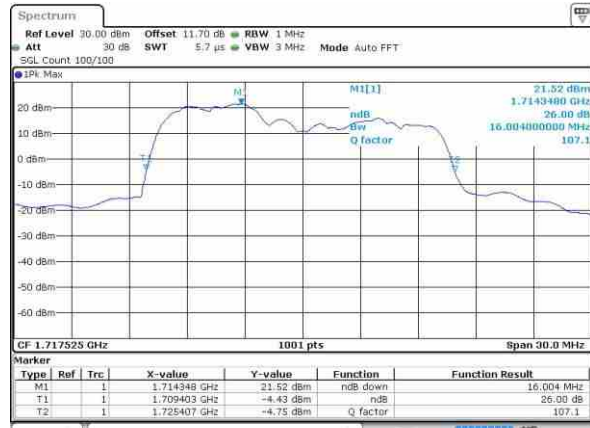
LTE Band 66

QPSK

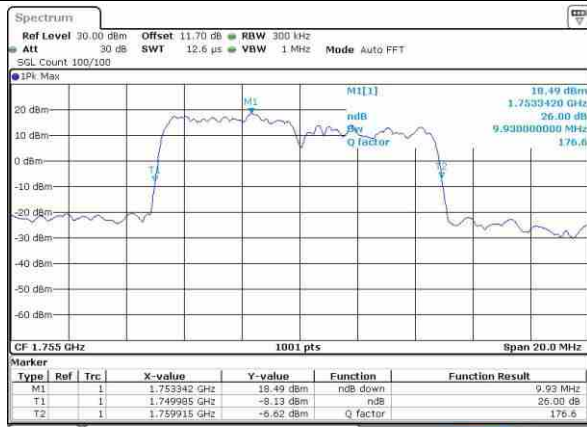
Lowest Channel / 5MHz+5MHz



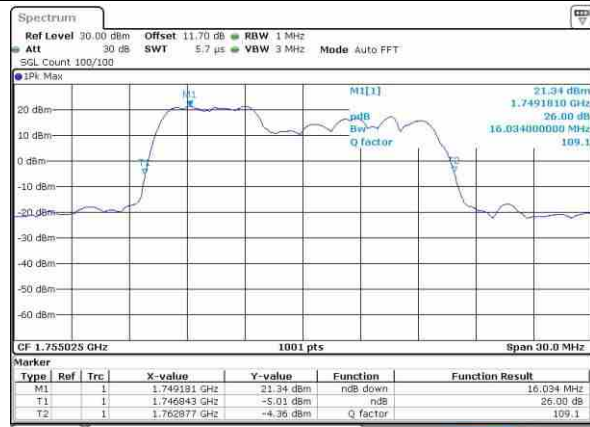
Lowest Channel / 5MHz+10MHz



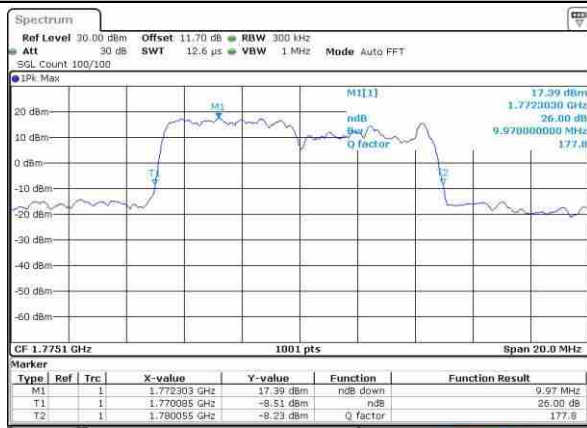
Middle Channel / 5MHz+5MHz



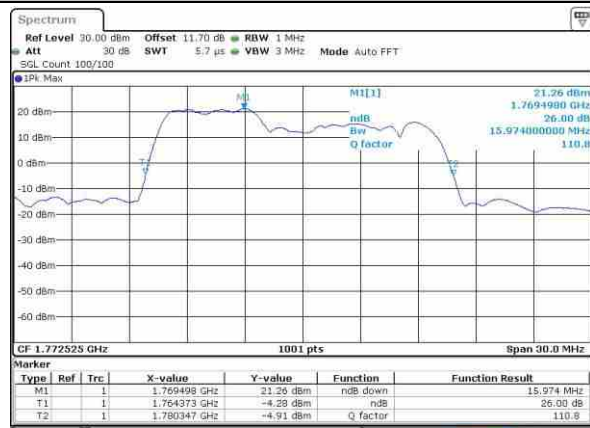
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

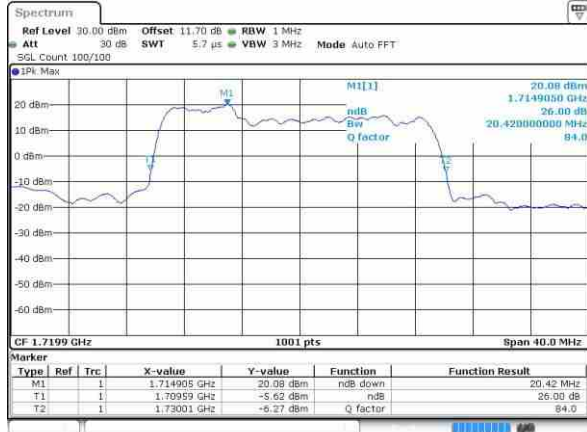




LTE Band 66

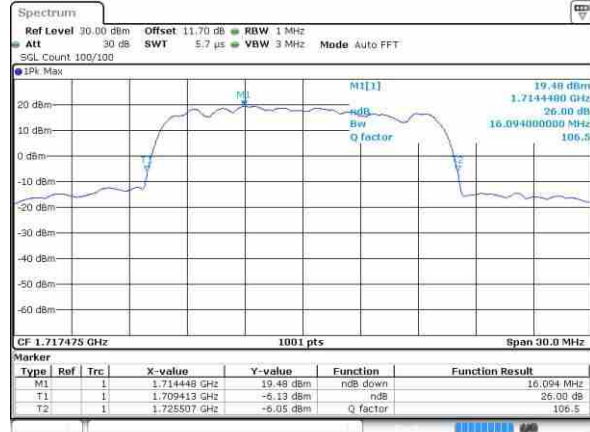
QPSK

Lowest Channel / 5MHz+15MHz



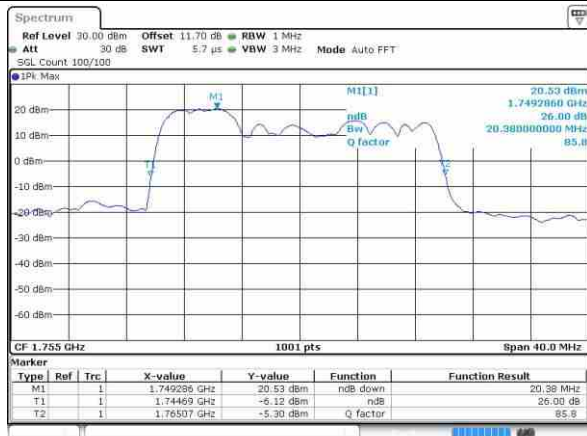
Date: 5 MAR 2019 15:53:03

Lowest Channel / 10MHz+5MHz



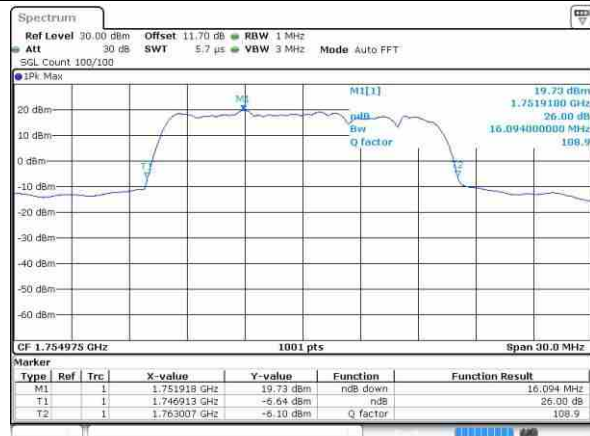
Date: 4 MAR 2019 20:22:58

Middle Channel / 5MHz+15MHz



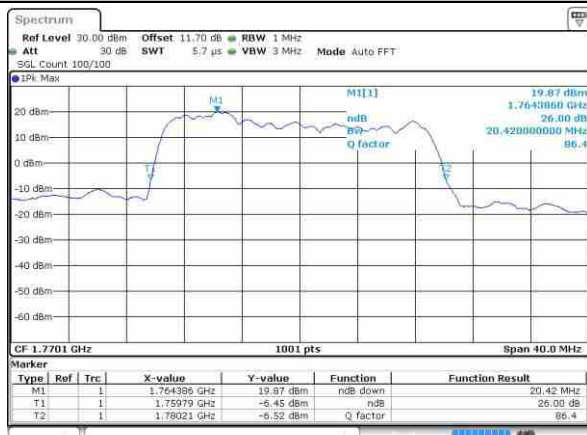
Date: 5 MAR 2019 16:23:40

Middle Channel / 10MHz+5MHz



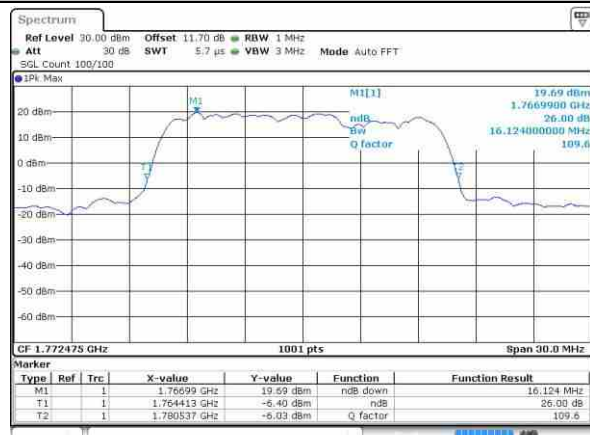
Date: 4 MAR 2019 21:00:40

Highest Channel / 5MHz+15MHz



Date: 5 MAR 2019 16:38:35

Highest Channel / 10MHz+5MHz



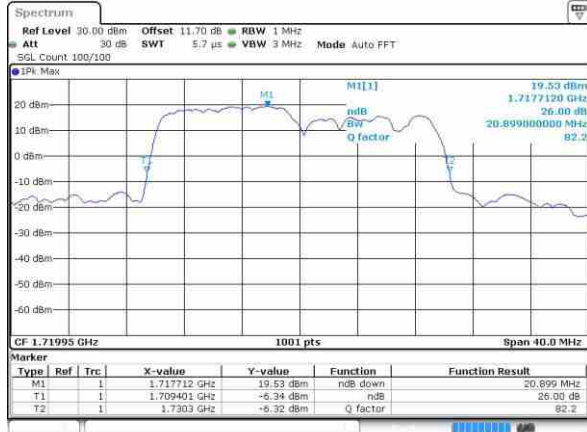
Date: 4 MAR 2019 21:43:38



LTE Band 66

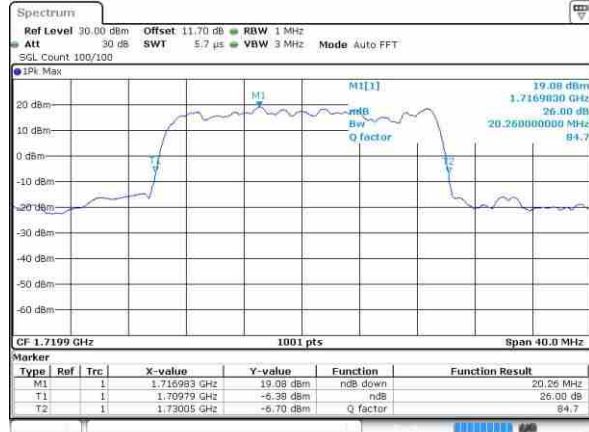
QPSK

Lowest Channel / 10MHz+10MHz



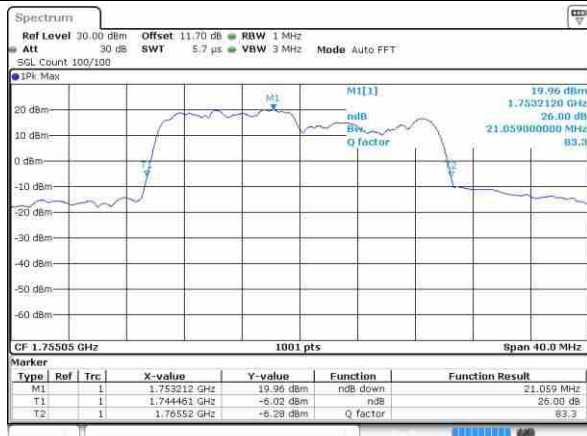
Date: 4 MAR 2019 22:16:55

Lowest Channel / 15MHz+5MHz



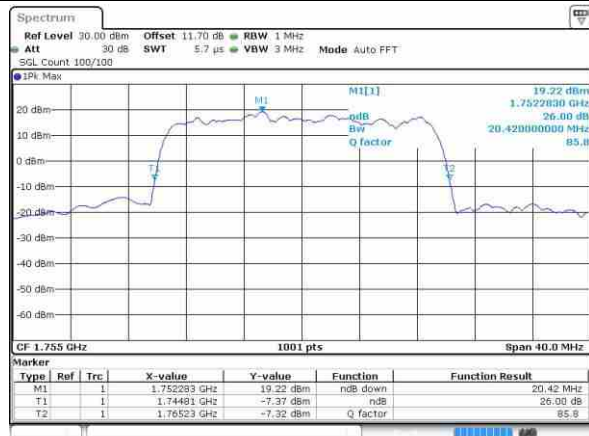
Date: 5 MAR 2019 14:06:11

Middle Channel / 10MHz+10MHz



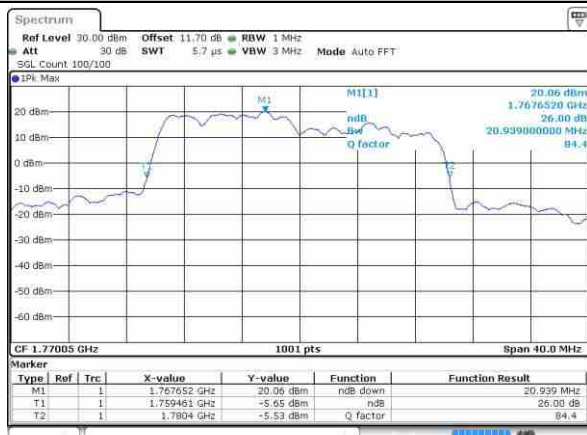
Date: 4 MAR 2019 22:48:44

Middle Channel / 15MHz+5MHz



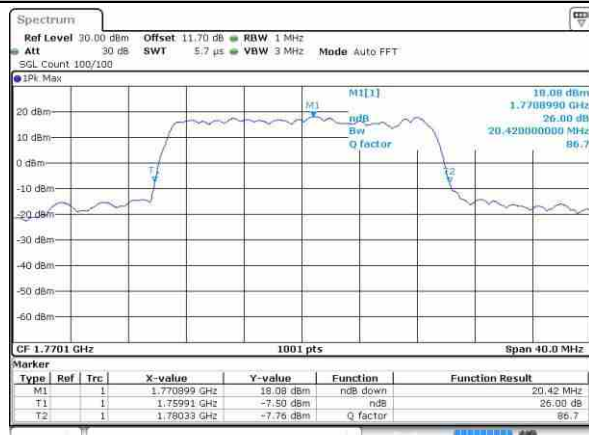
Date: 5 MAR 2019 14:56:04

Highest Channel / 10MHz+10MHz



Date: 4 MAR 2019 22:58:33

Highest Channel / 15MHz+5MHz



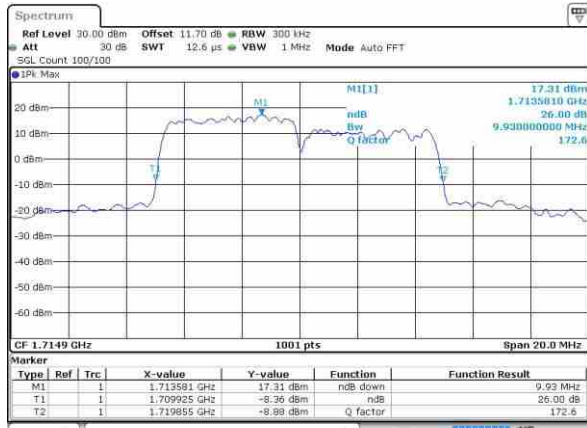
Date: 5 MAR 2019 15:05:45



LTE Band 66

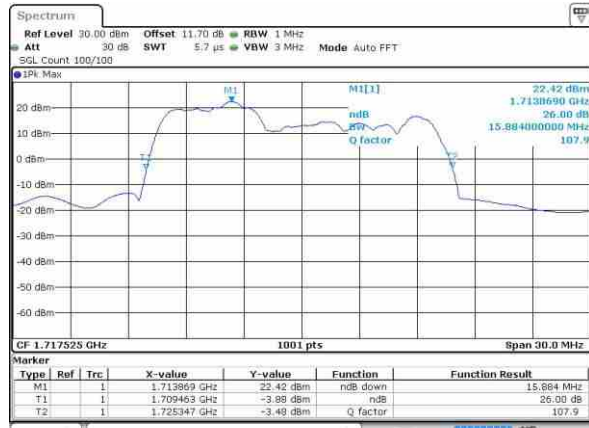
16QAM

Lowest Channel / 5MHz+5MHz



Date: 19 MAR 2019 22:42:53

Lowest Channel / 5MHz+10MHz



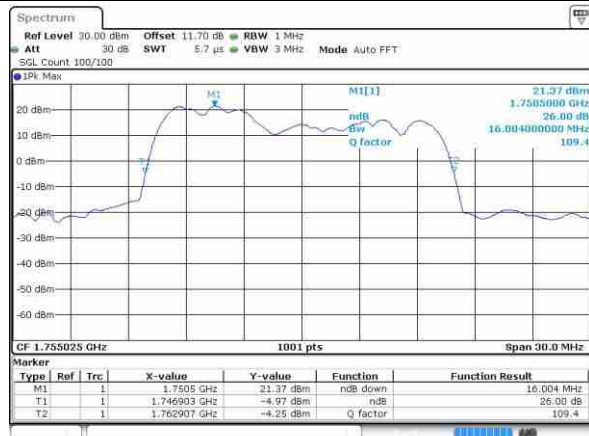
Date: 4 MAR 2019 17:39:26

Middle Channel / 5MHz+5MHz



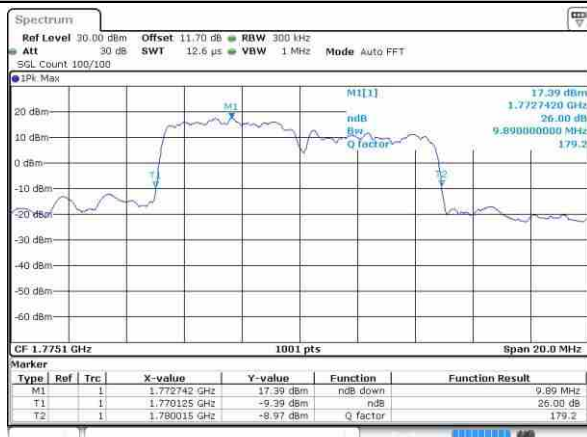
Date: 19 MAR 2019 22:48:23

Middle Channel / 5MHz+10MHz



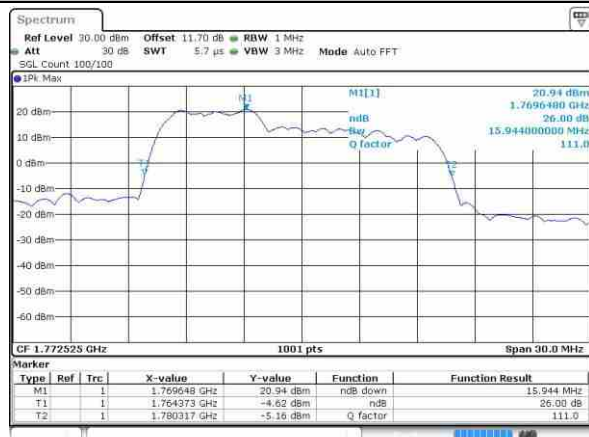
Date: 4 MAR 2019 19:30:18

Highest Channel / 5MHz+5MHz



Date: 19 MAR 2019 22:53:48

Highest Channel / 5MHz+10MHz



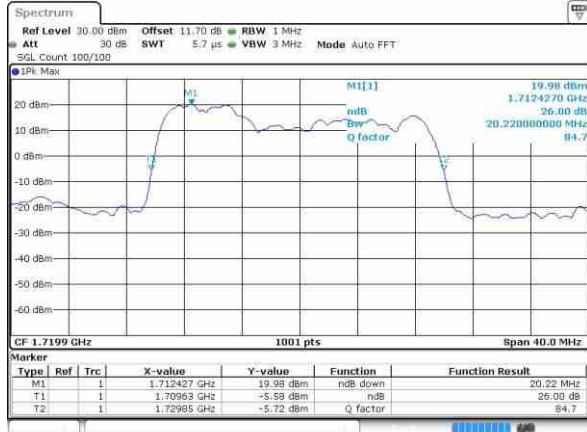
Date: 4 MAR 2019 19:43:24



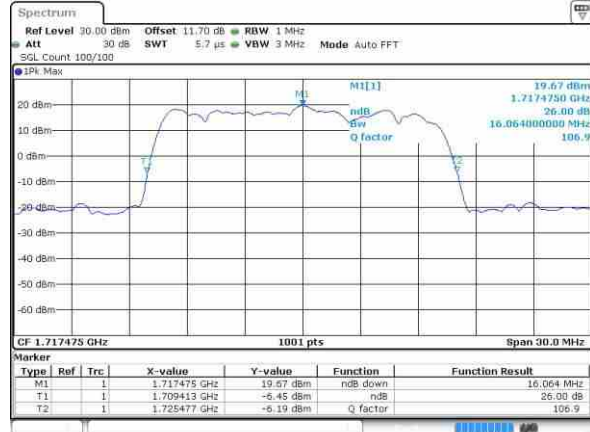
LTE Band 66

16QAM

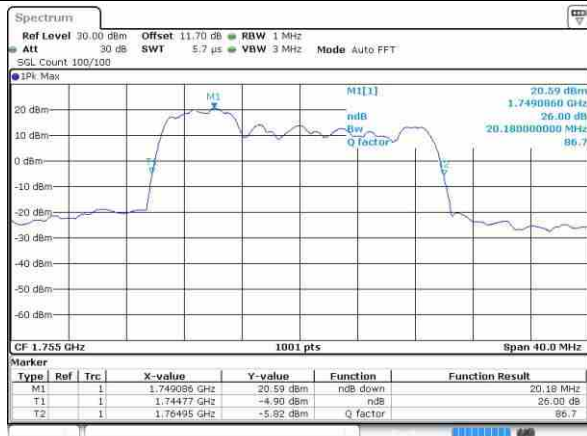
Lowest Channel / 5MHz+15MHz



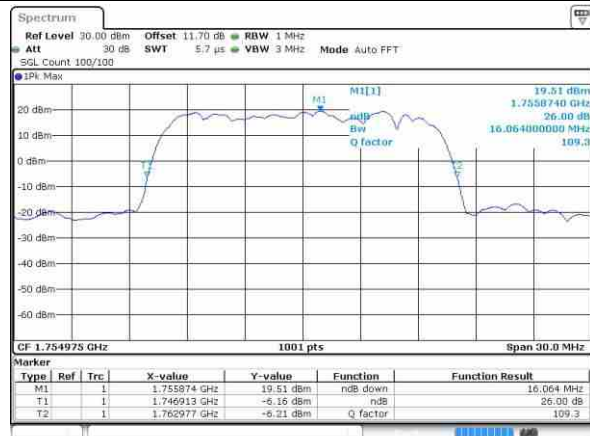
Lowest Channel / 10MHz+5MHz



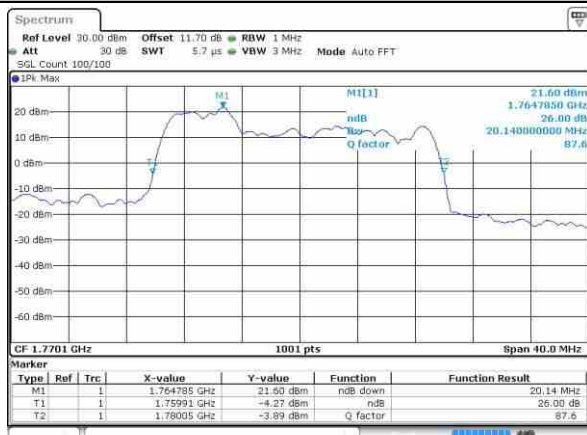
Middle Channel / 5MHz+15MHz



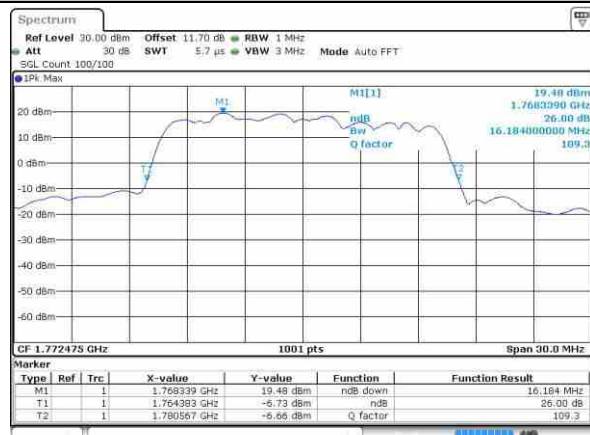
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

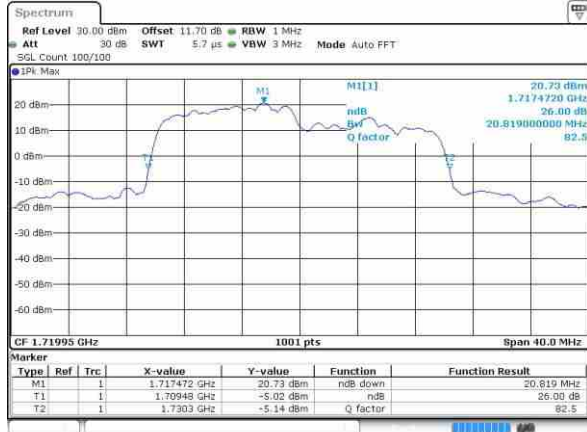




LTE Band 66

16QAM

Lowest Channel / 10MHz+10MHz



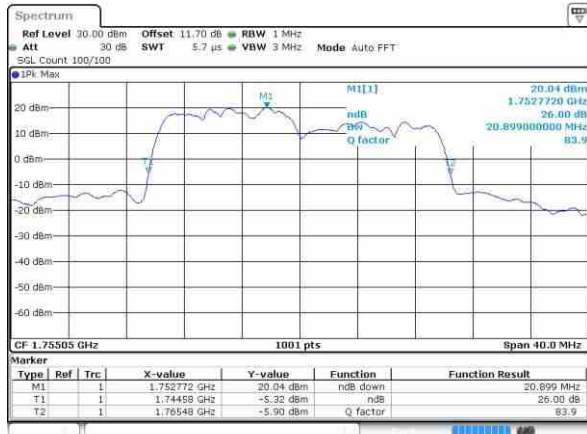
Date: 4 MAR 2019 22:16:28

Lowest Channel / 15MHz+5MHz



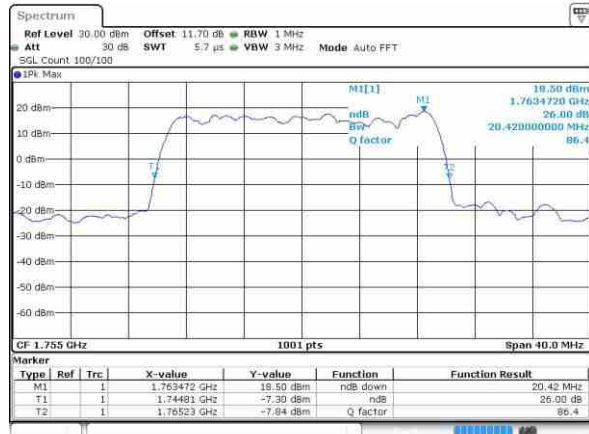
Date: 5 MAR 2019 14:05:45

Middle Channel / 10MHz+10MHz



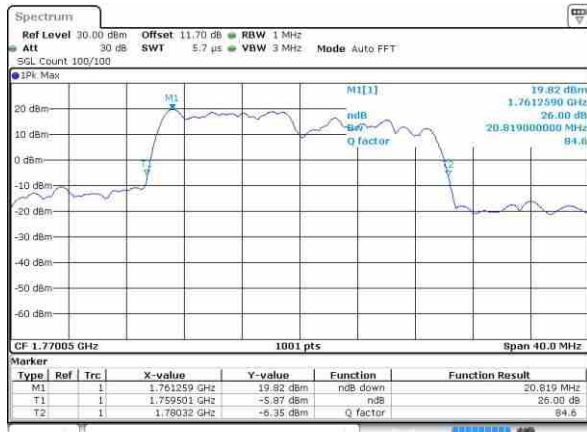
Date: 4 MAR 2019 22:48:21

Middle Channel / 15MHz+5MHz



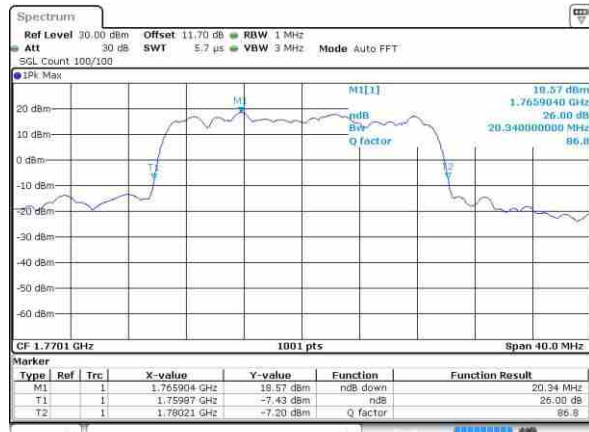
Date: 5 MAR 2019 14:06:17

Highest Channel / 10MHz+10MHz



Date: 4 MAR 2019 22:58:55

Highest Channel / 15MHz+5MHz



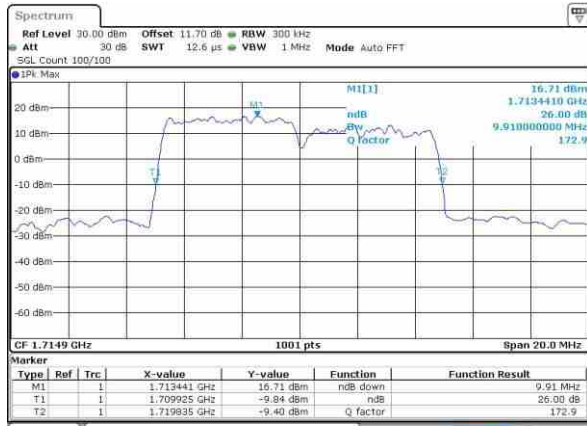
Date: 5 MAR 2019 15:06:42



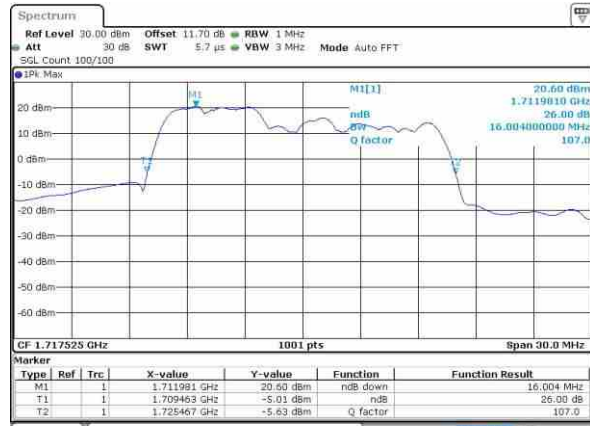
LTE Band 66

64QAM

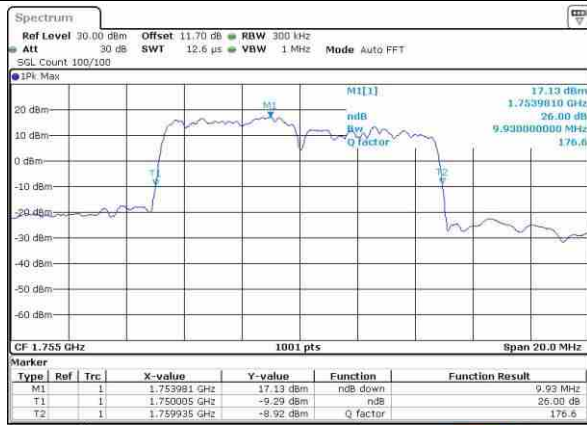
Lowest Channel / 5MHz+5MHz



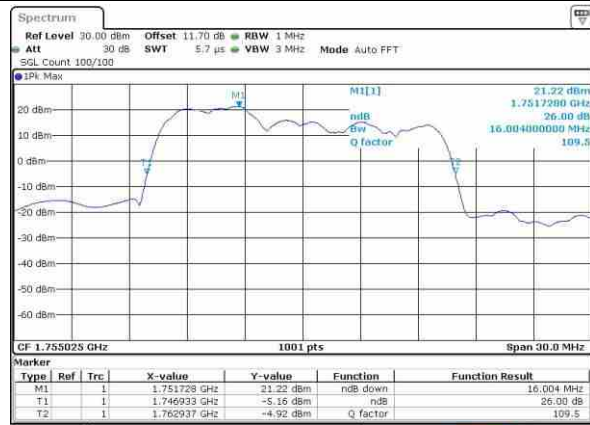
Lowest Channel / 5MHz+10MHz



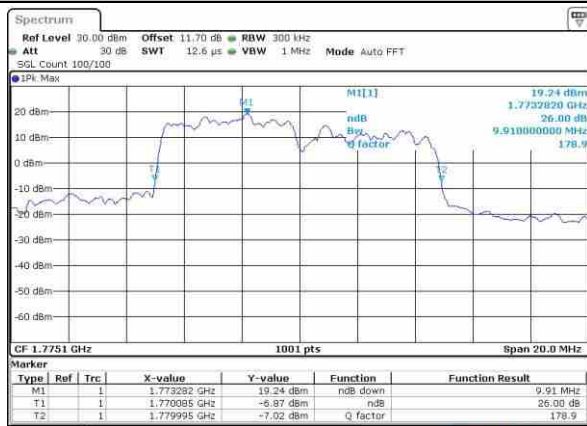
Middle Channel / 5MHz+5MHz



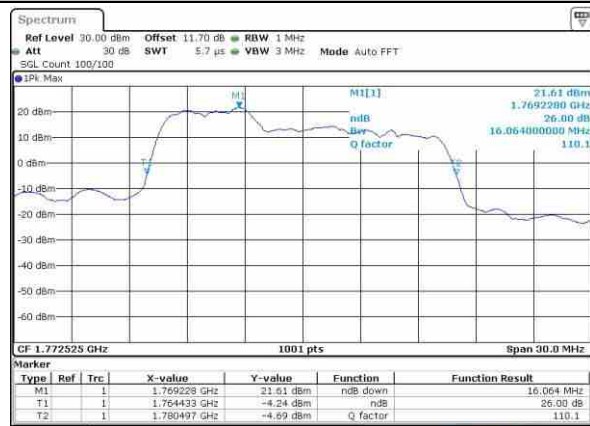
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

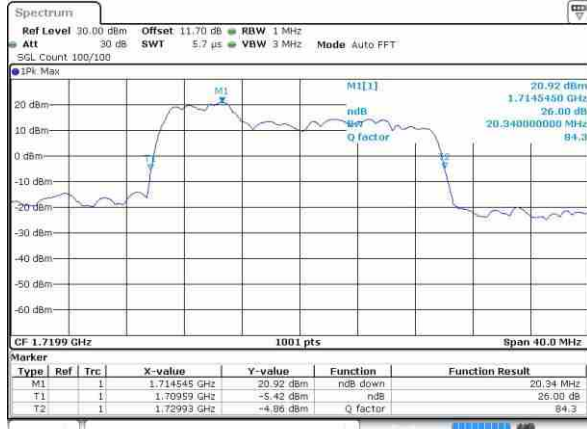




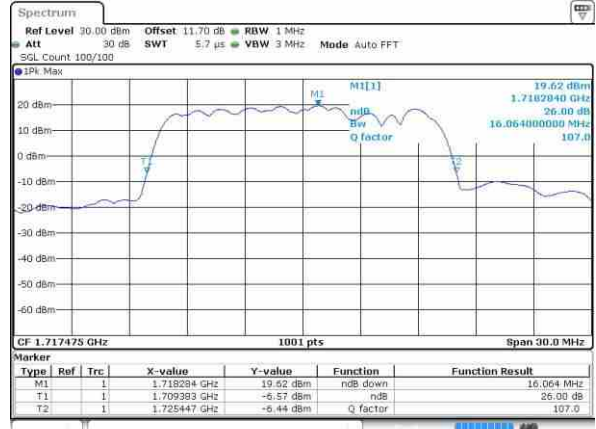
LTE Band 66

64QAM

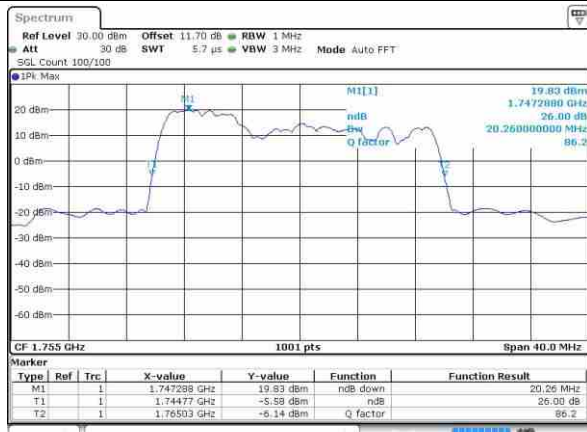
Lowest Channel / 5MHz+15MHz



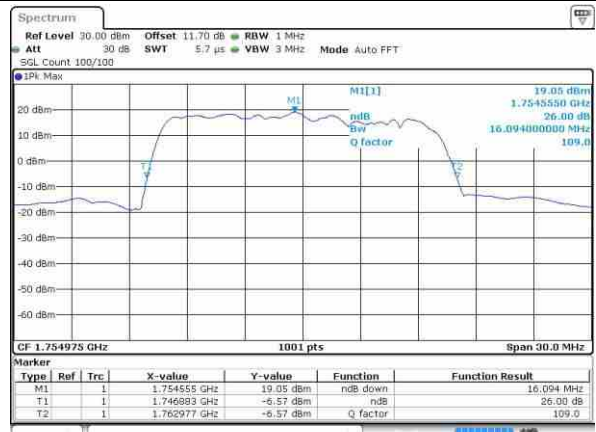
Lowest Channel / 10MHz+5MHz



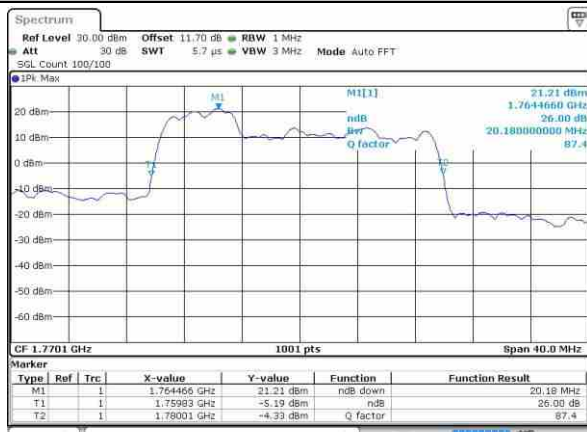
Middle Channel / 5MHz+15MHz



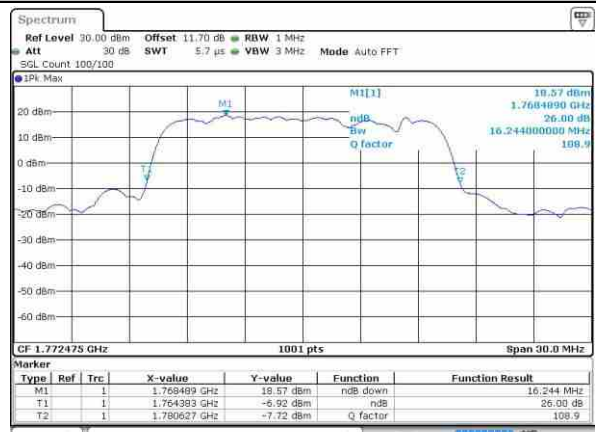
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

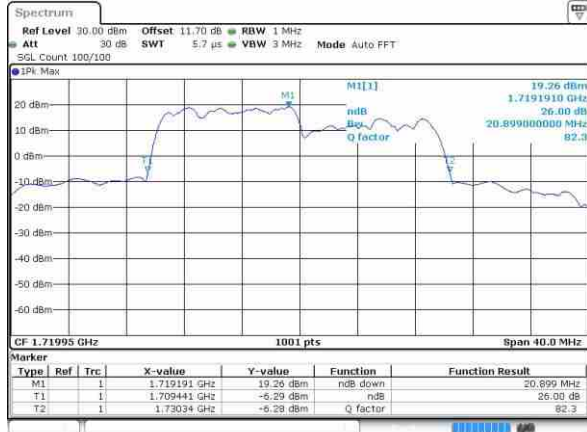




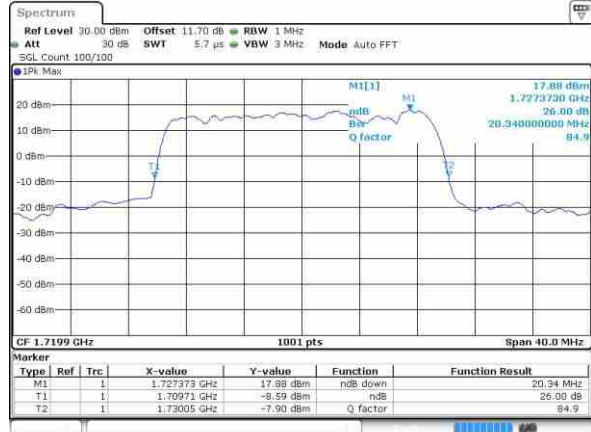
LTE Band 66

64QAM

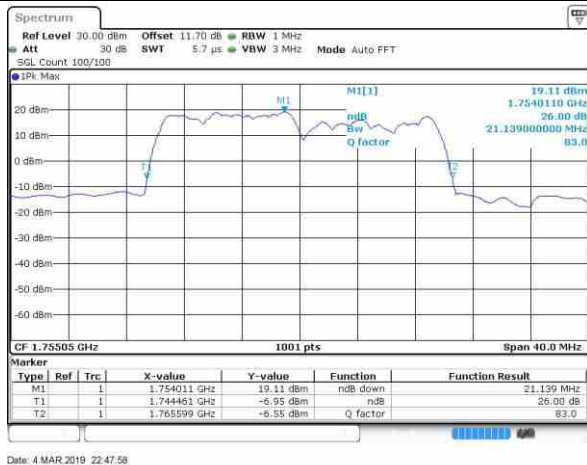
Lowest Channel / 10MHz+10MHz



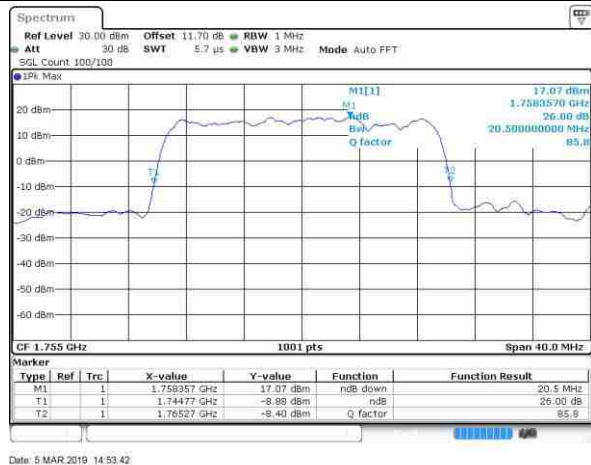
Lowest Channel / 15MHz+5MHz



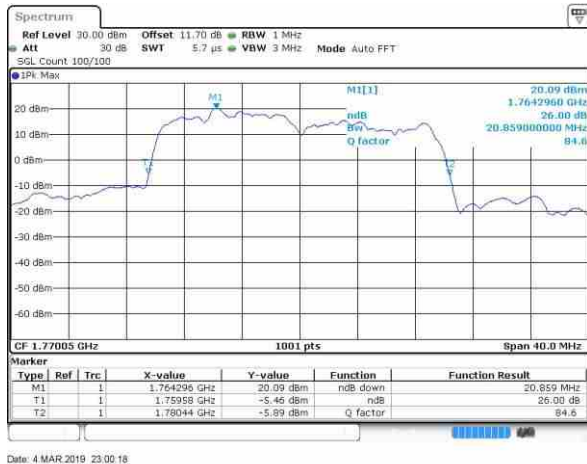
Middle Channel / 10MHz+10MHz



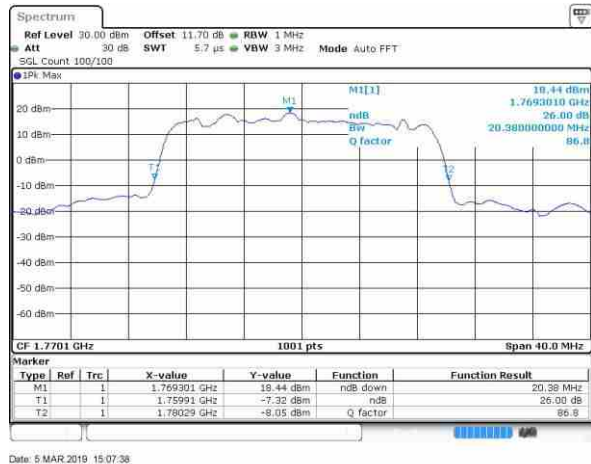
Middle Channel / 15MHz+5MHz



Highest Channel / 10MHz+10MHz



Highest Channel / 15MHz+5MHz



Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)		
QPSK			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.27	14.51	18.66
Middle CH	9.37	14.51	18.74
Highest CH	9.29	14.33	18.58
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.42	19.46	18.70
Middle CH	14.51	19.34	18.78
Highest CH	14.33	19.18	18.62

Mode	LTE Band 66 : 99%OBW(MHz)		
16QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.31	14.51	18.78
Middle CH	9.25	14.33	18.74
Highest CH	9.25	14.30	18.54
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.54	19.18	18.70
Middle CH	14.33	19.30	18.66
Highest CH	14.21	19.10	18.42

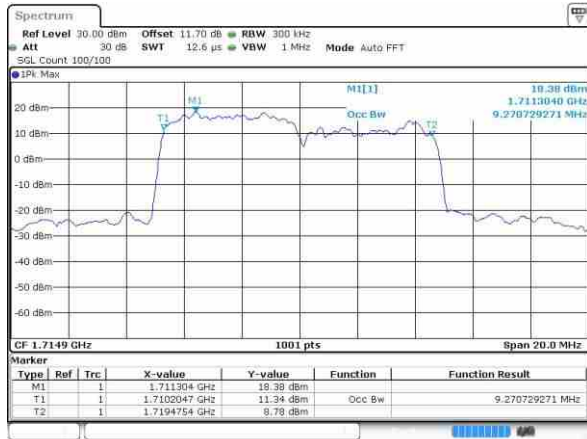
Mode	LTE Band 66 : 99%OBW(MHz)		
64QAM			
BW	5MHz+5MHz	5MHz+10MHz	5MHz+15MHz
Lowest CH	9.31	14.48	18.54
Middle CH	9.39	14.24	18.58
Highest CH	9.31	14.51	18.74
BW	10MHz+5MHz	10MHz+10MHz	15MHz+5MHz
Lowest CH	14.42	19.22	18.54
Middle CH	14.45	19.34	18.70
Highest CH	14.48	19.06	18.66



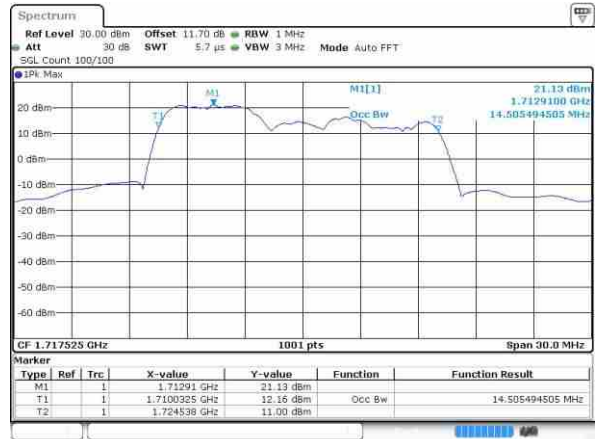
LTE Band 66

QPSK

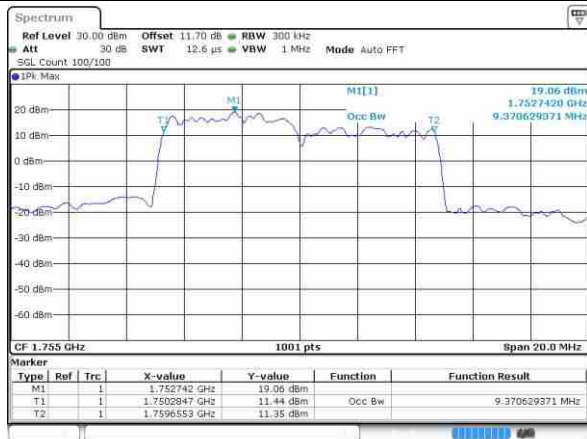
Lowest Channel / 5MHz+5MHz



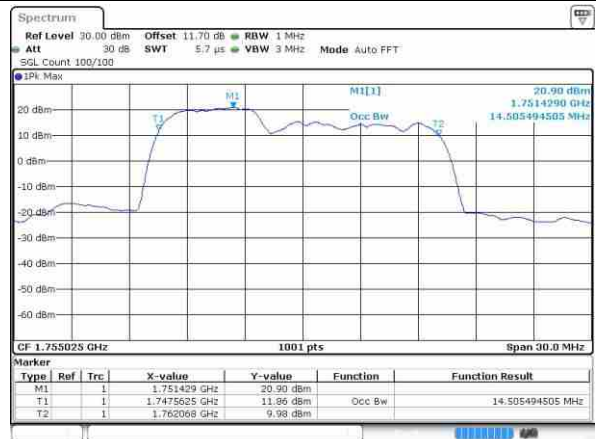
Lowest Channel / 5MHz+10MHz



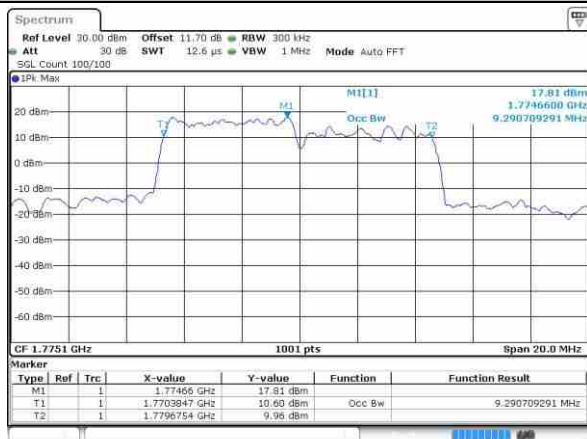
Middle Channel / 5MHz+5MHz



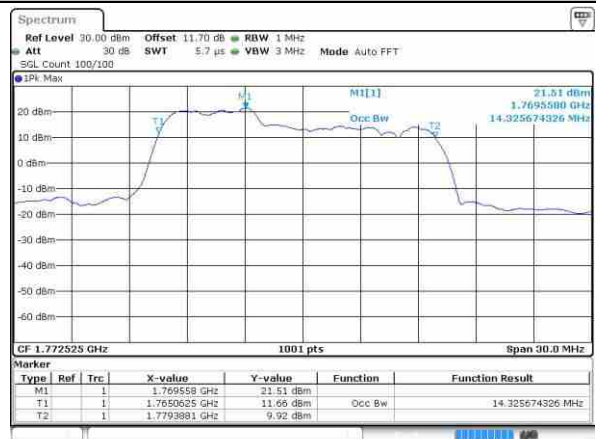
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

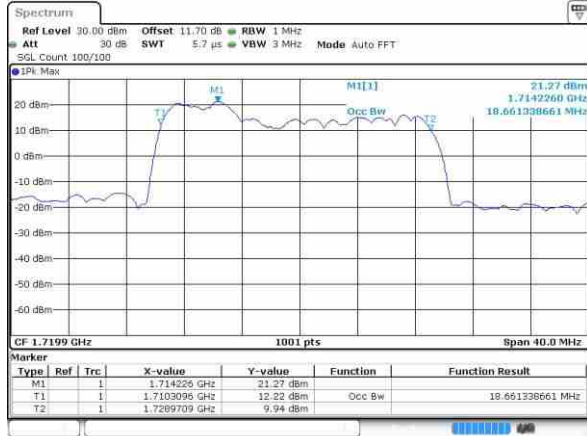




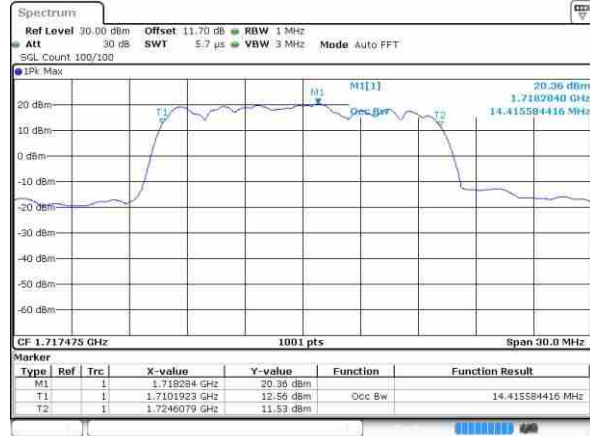
LTE Band 66

QPSK

Lowest Channel / 5MHz+15MHz



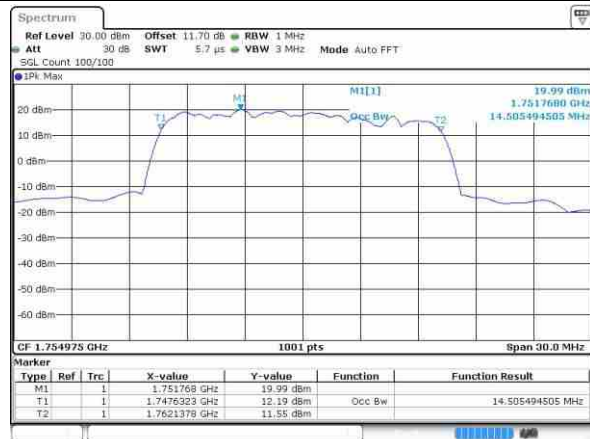
Lowest Channel / 10MHz+5MHz



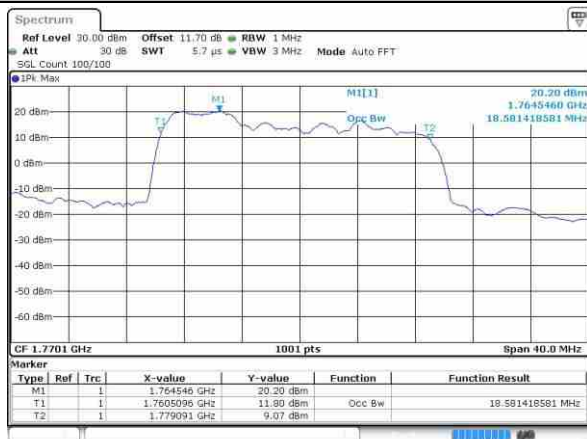
Middle Channel / 5MHz+15MHz



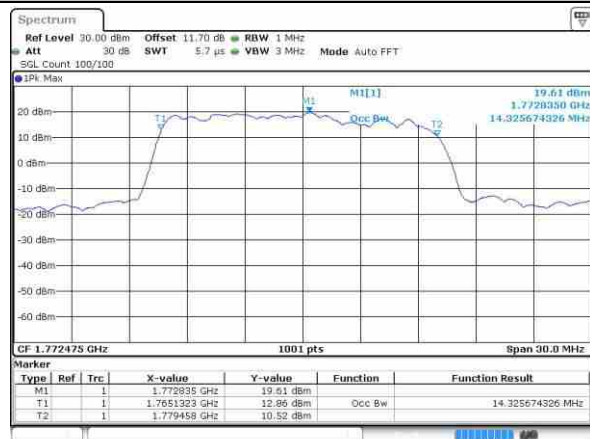
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

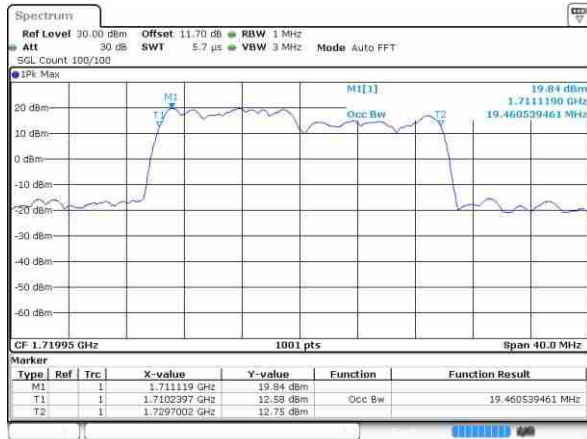




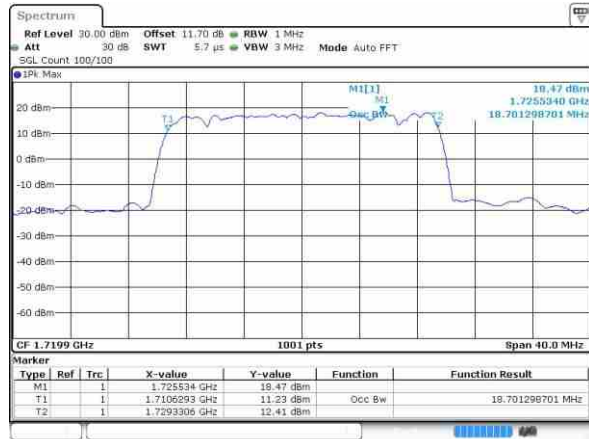
LTE Band 66

QPSK

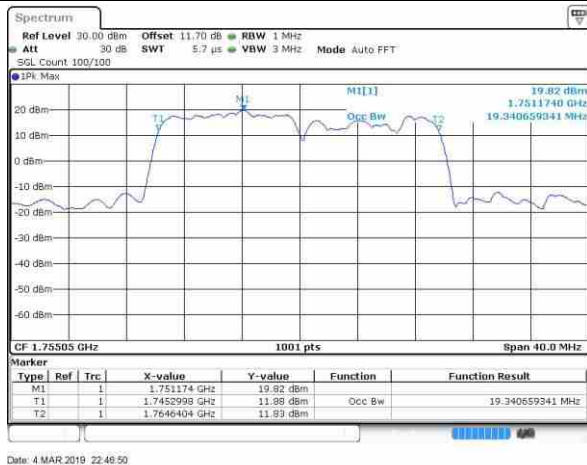
Lowest Channel / 10MHz+10MHz



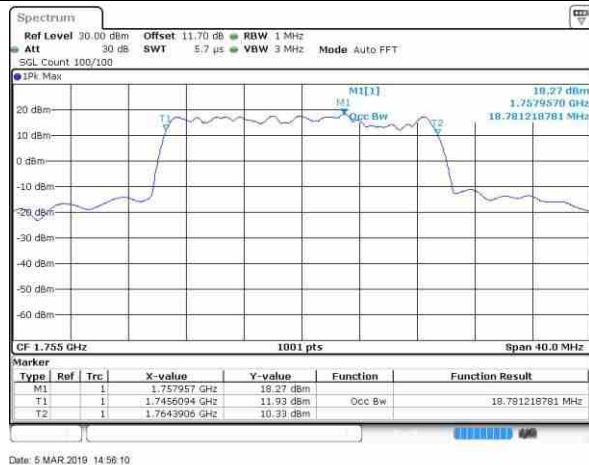
Lowest Channel / 15MHz+5MHz



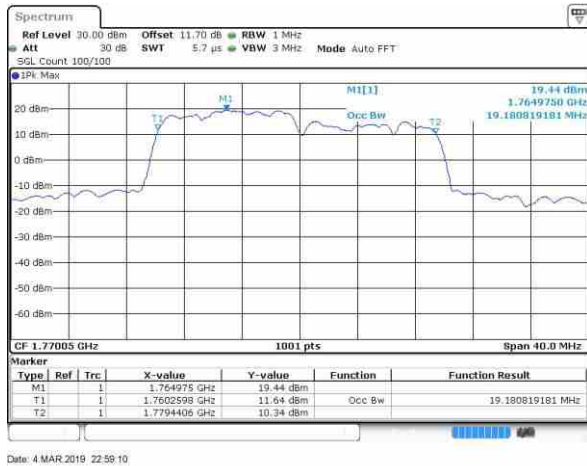
Middle Channel / 10MHz+10MHz



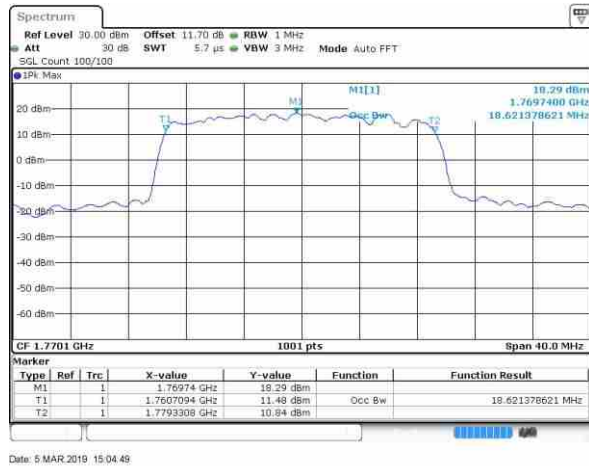
Middle Channel / 15MHz+5MHz



Highest Channel / 10MHz+10MHz



Highest Channel / 15MHz+5MHz

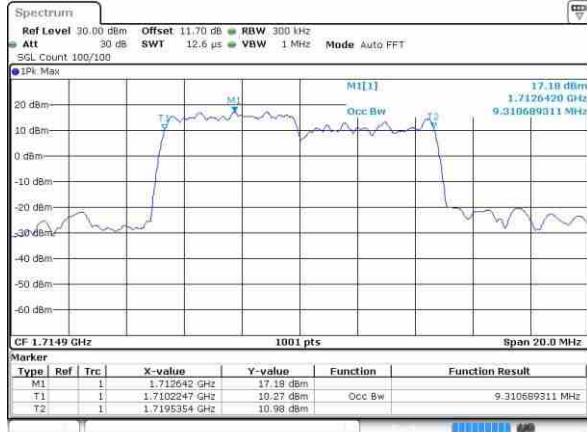




LTE Band 66

16QAM

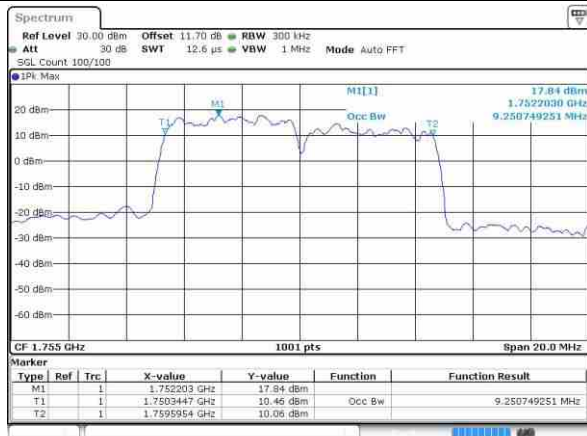
Lowest Channel / 5MHz+5MHz



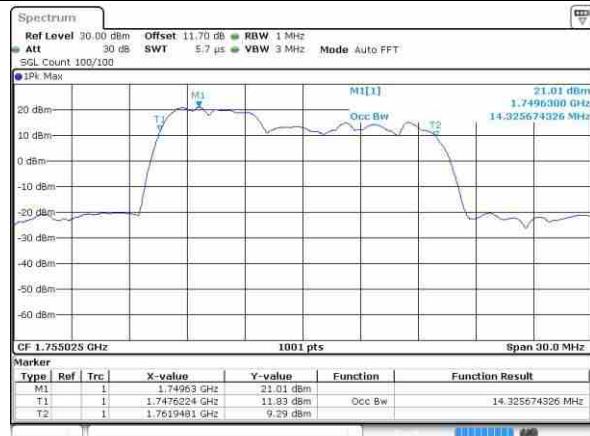
Lowest Channel / 5MHz+10MHz



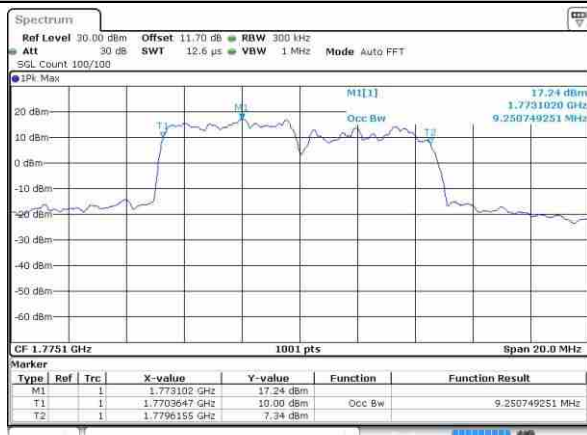
Middle Channel / 5MHz+5MHz



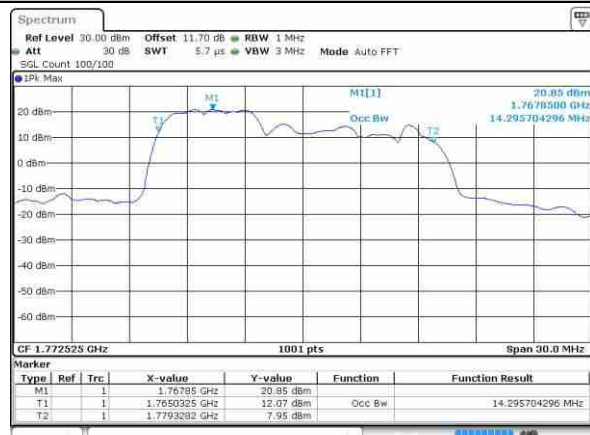
Middle Channel / 5MHz+10MHz



Highest Channel / 5MHz+5MHz



Highest Channel / 5MHz+10MHz

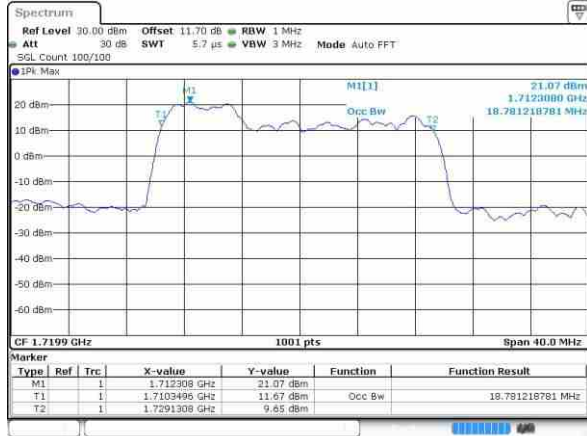




LTE Band 66

16QAM

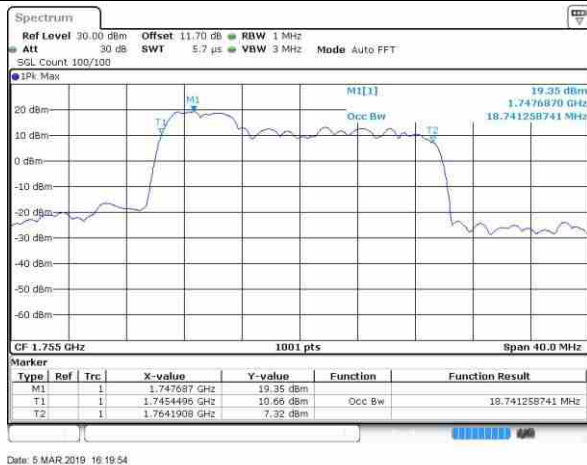
Lowest Channel / 5MHz+15MHz



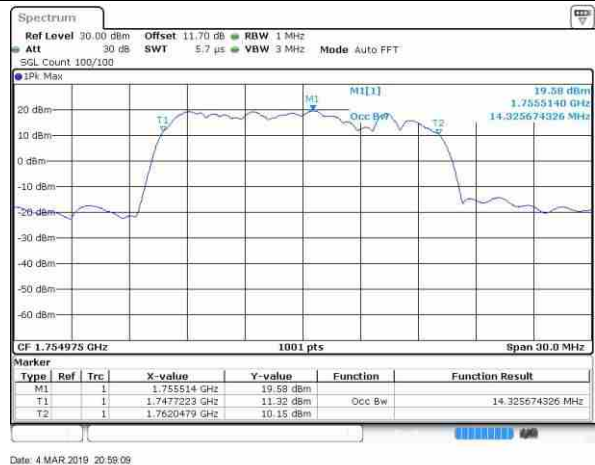
Lowest Channel / 10MHz+5MHz



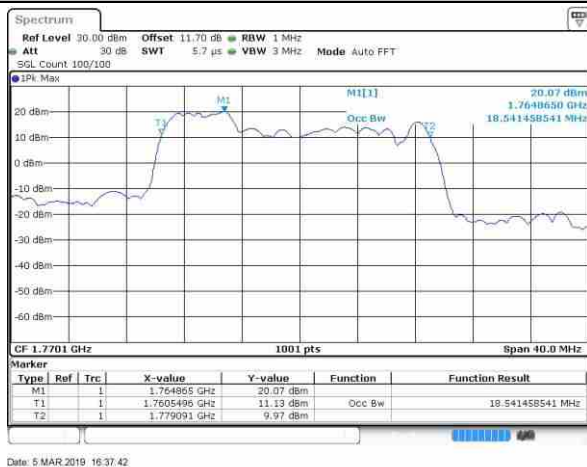
Middle Channel / 5MHz+15MHz



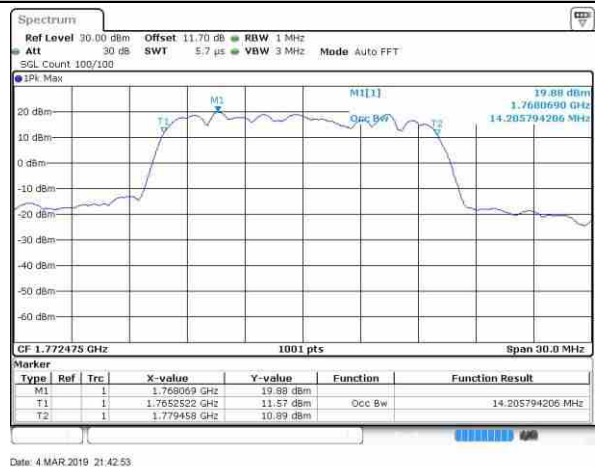
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz

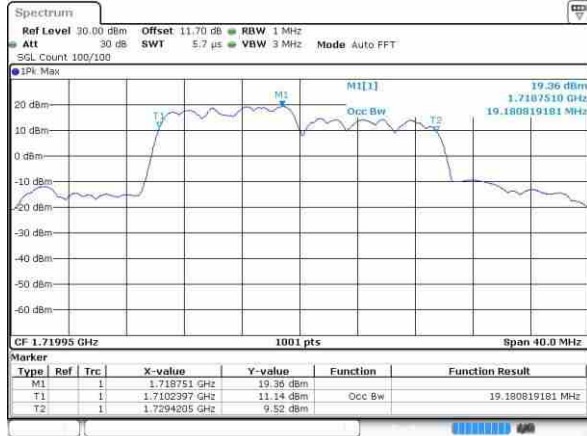




LTE Band 66

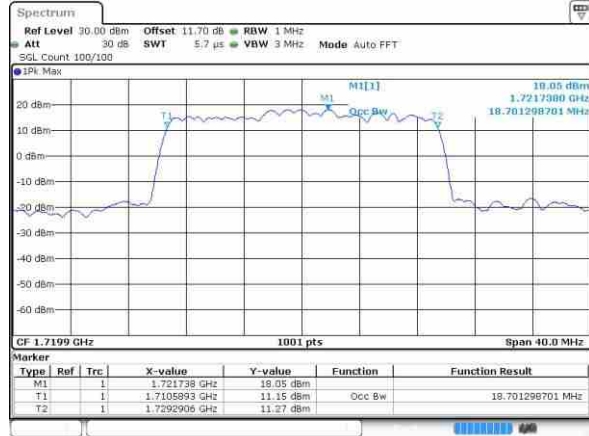
16QAM

Lowest Channel / 10MHz+10MHz



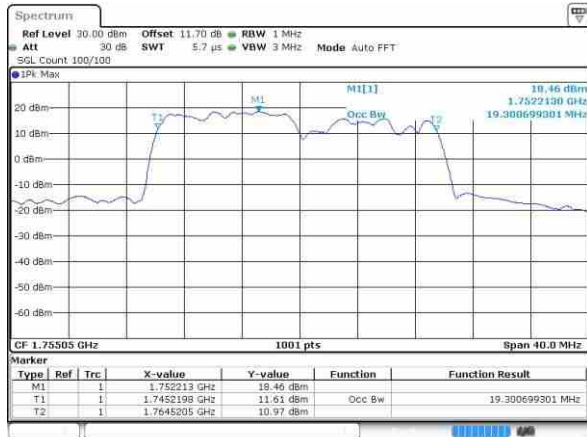
Date: 4 MAR 2019 22:15:09

Lowest Channel / 15MHz+5MHz



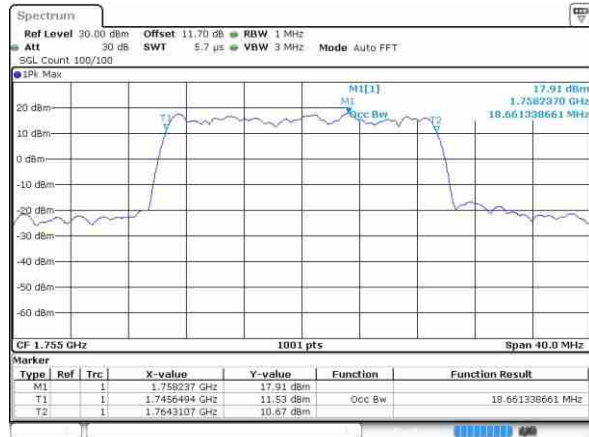
Date: 5 MAR 2019 14:04:26

Middle Channel / 10MHz+10MHz



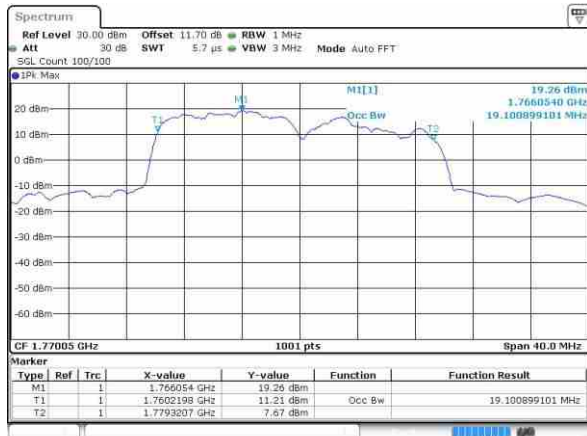
Date: 4 MAR 2019 22:47:13

Middle Channel / 15MHz+5MHz



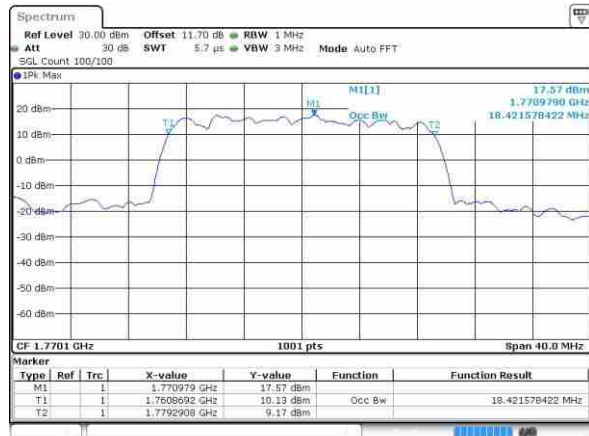
Date: 5 MAR 2019 14:33:13

Highest Channel / 10MHz+10MHz



Date: 4 MAR 2019 22:58:48

Highest Channel / 15MHz+5MHz



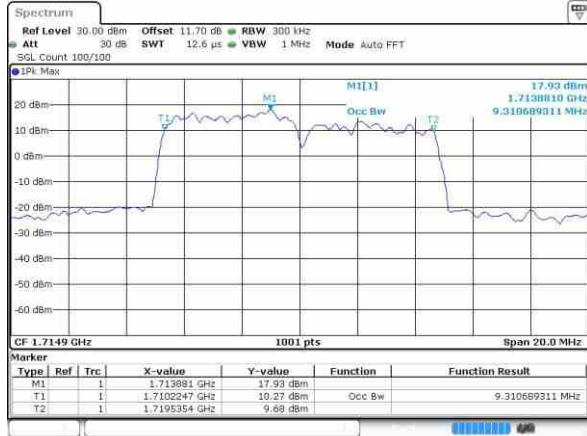
Date: 5 MAR 2019 15:03:53



LTE Band 66

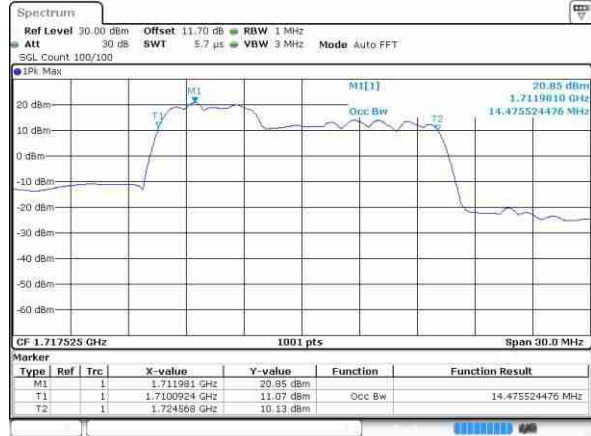
64QAM

Lowest Channel / 5MHz+5MHz



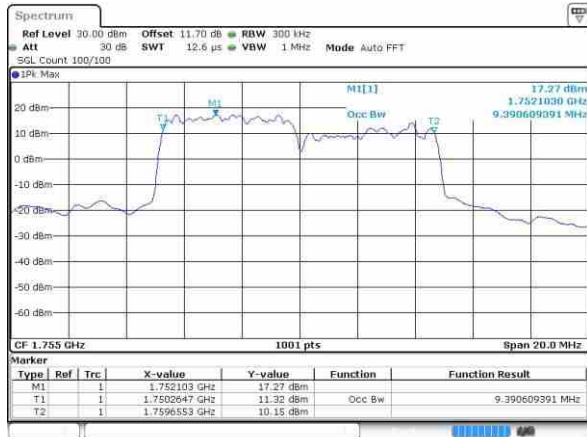
Date: 19 MAR 2019 22:42:07

Lowest Channel / 5MHz+10MHz



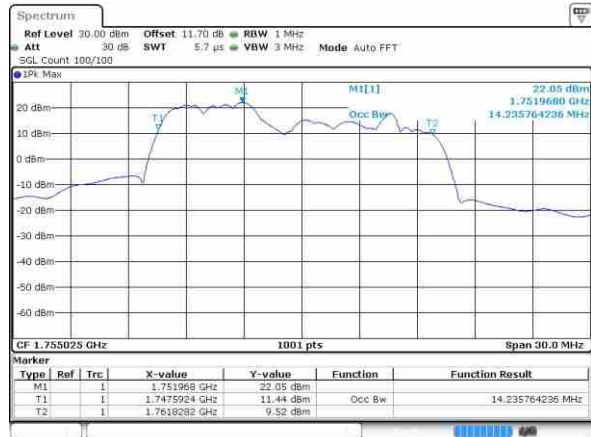
Date: 4 MAR 2019 17:38:34

Middle Channel / 5MHz+5MHz



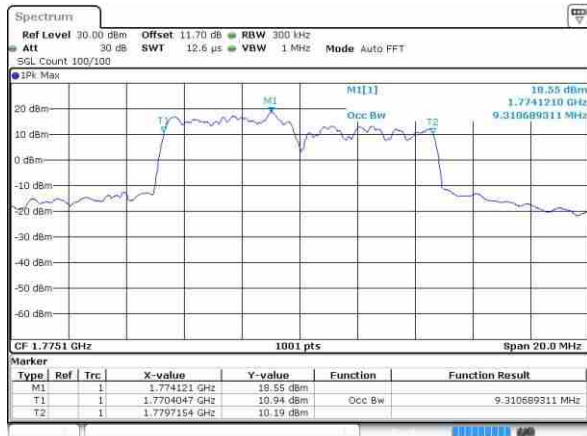
Date: 19 MAR 2019 22:47:38

Middle Channel / 5MHz+10MHz



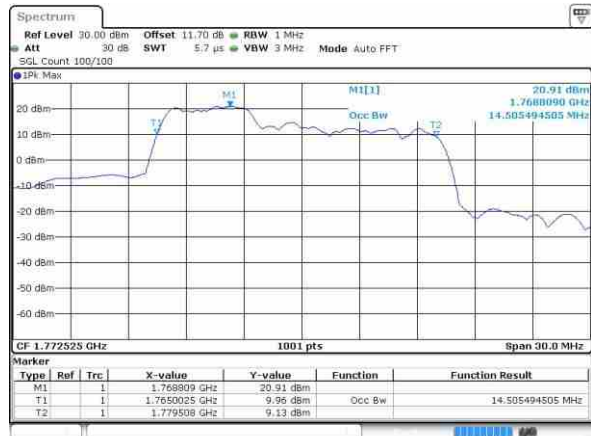
Date: 4 MAR 2019 19:29:25

Highest Channel / 5MHz+5MHz



Date: 19 MAR 2019 22:52:15

Highest Channel / 5MHz+10MHz



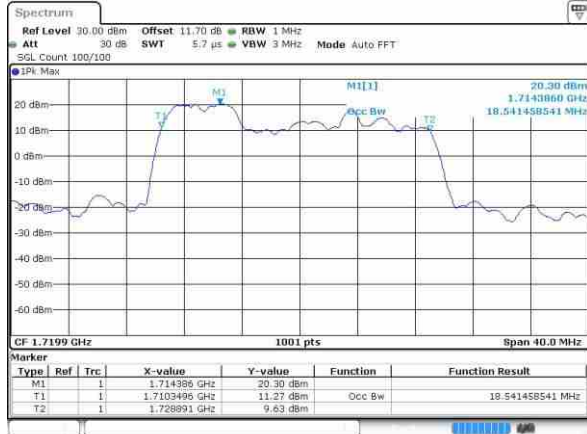
Date: 4 MAR 2019 19:41:39



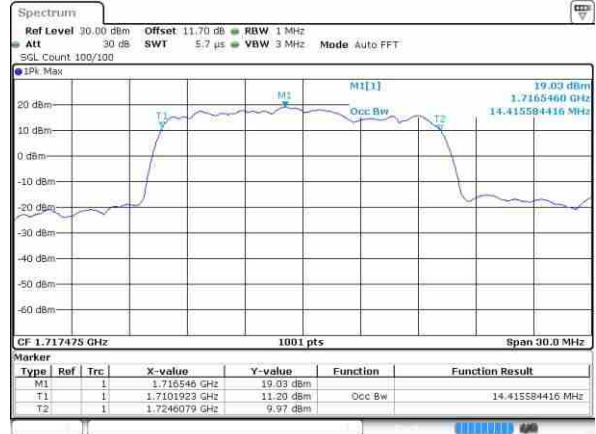
LTE Band 66

64QAM

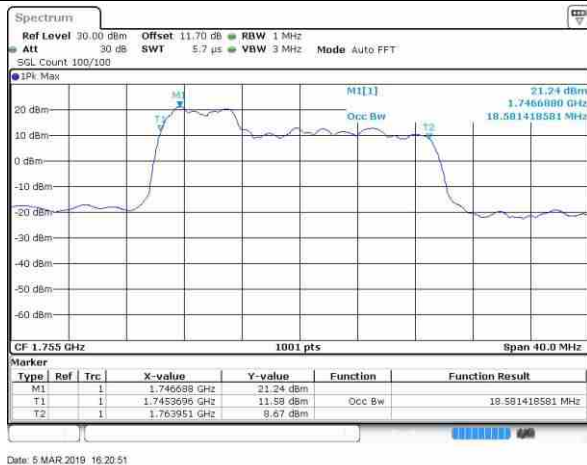
Lowest Channel / 5MHz+15MHz



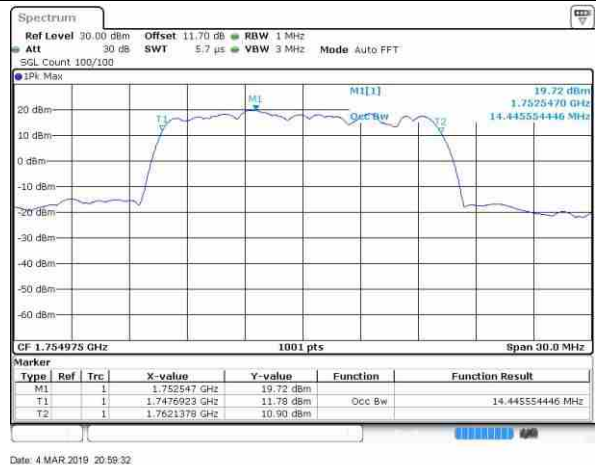
Lowest Channel / 10MHz+5MHz



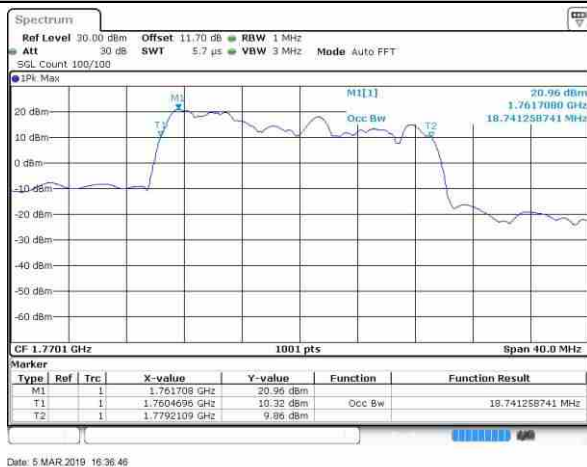
Middle Channel / 5MHz+15MHz



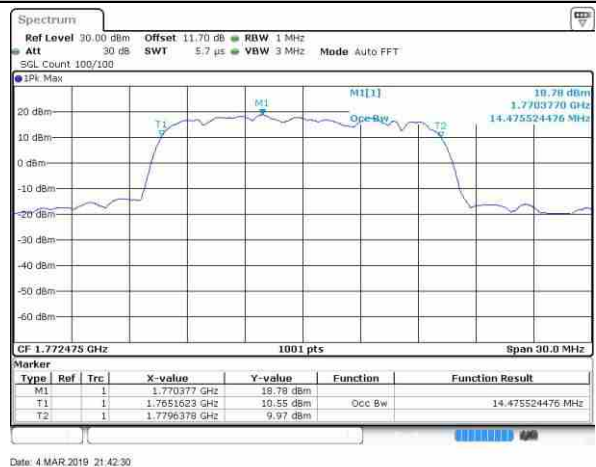
Middle Channel / 10MHz+5MHz



Highest Channel / 5MHz+15MHz



Highest Channel / 10MHz+5MHz





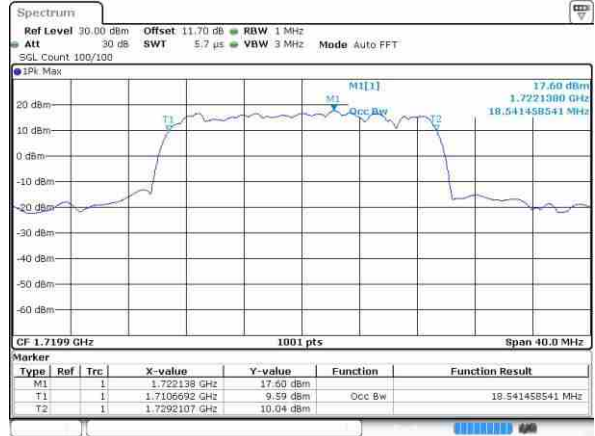
LTE Band 66

64QAM

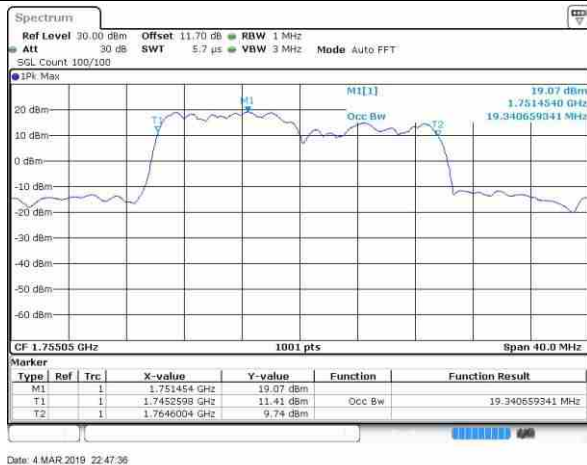
Lowest Channel / 10MHz+10MHz



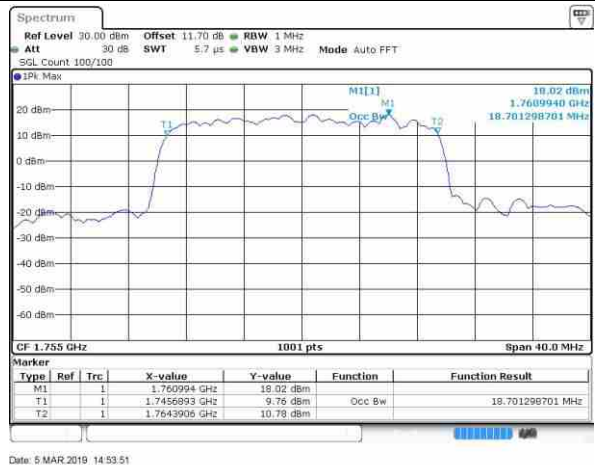
Lowest Channel / 15MHz+5MHz



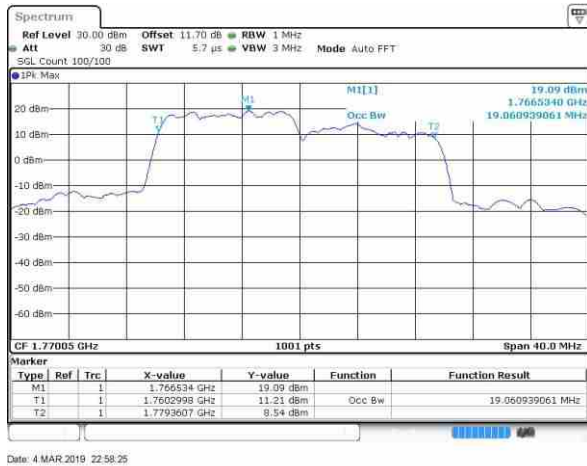
Middle Channel / 10MHz+10MHz



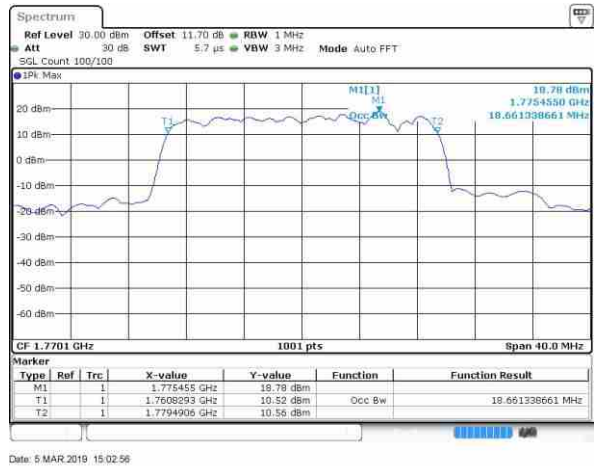
Middle Channel / 15MHz+5MHz



Highest Channel / 10MHz+10MHz



Highest Channel / 15MHz+5MHz





Conducted Band Edge