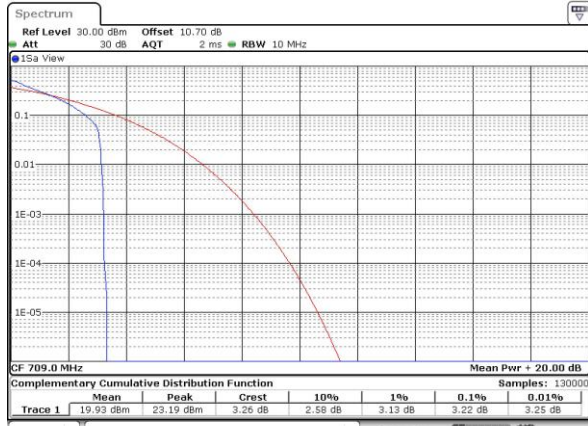


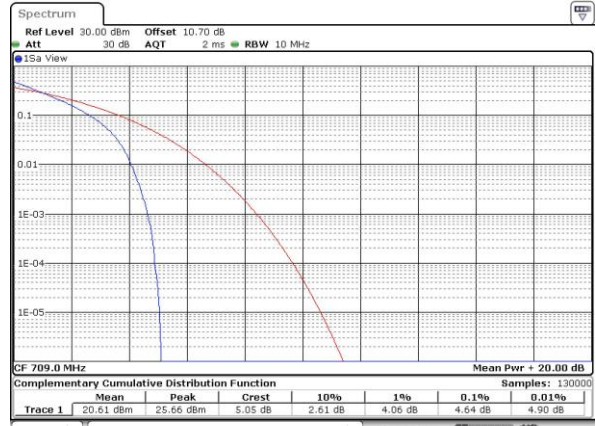


LTE Band 17 / 10MHz / QPSK

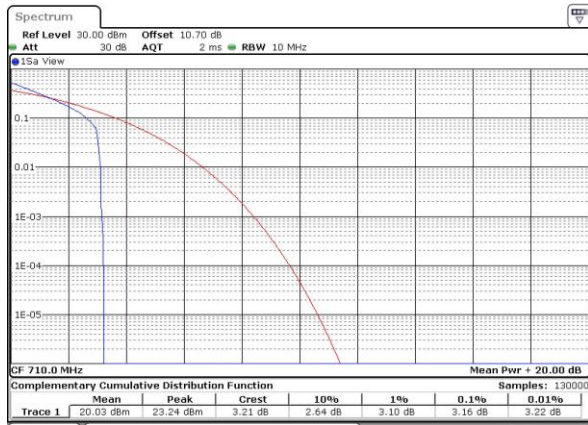
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel/ 1RB



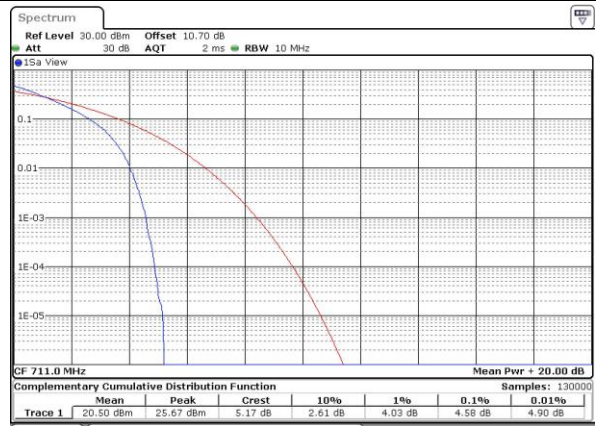
Middle Channel / Full RB

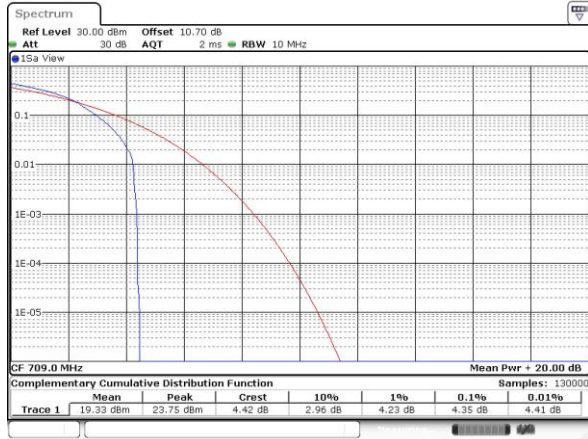


Highest Channel/ 1RB

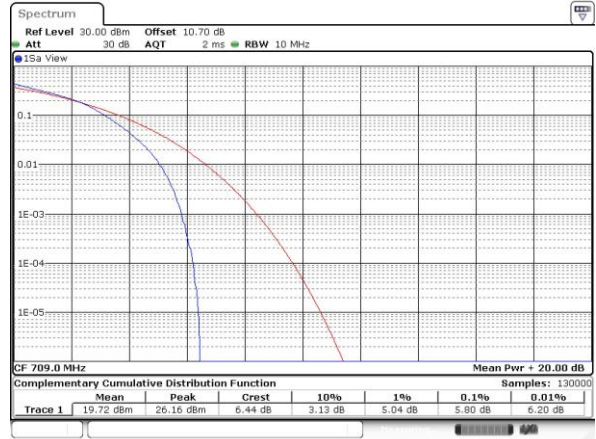


Highest Channel / Full RB

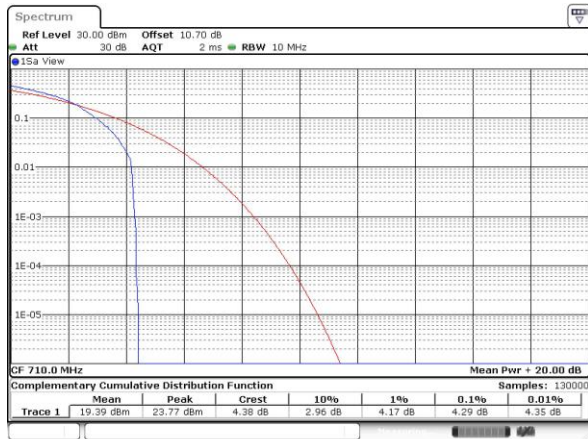


LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB


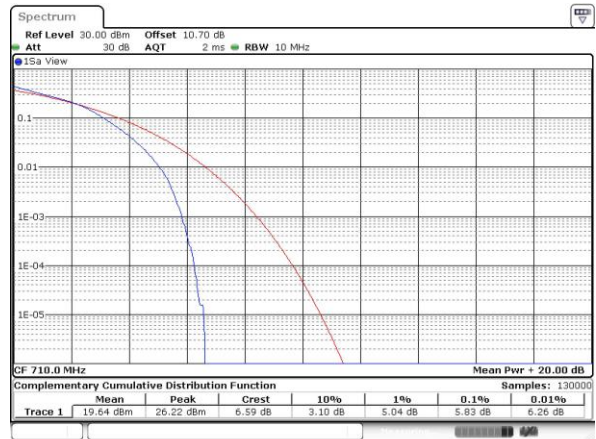
Date: 16 MAY 2019 07:42:56

Lowest Channel / Full RB


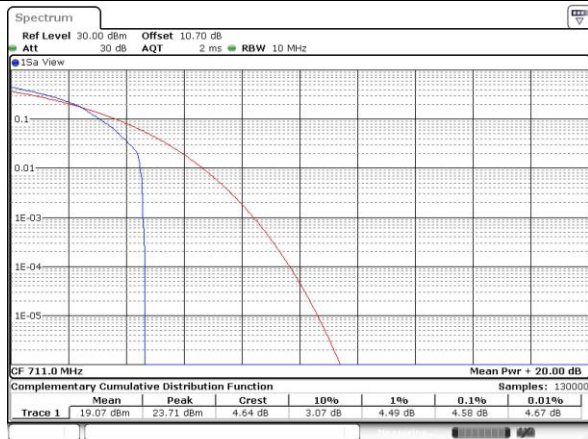
Date: 16 MAY 2019 07:43:08

Middle Channel/ 1RB


Date: 16 MAY 2019 07:43:18

Middle Channel / Full RB


Date: 16 MAY 2019 07:43:29

Highest Channel/ 1RB


Date: 16 MAY 2019 07:43:40

Highest Channel / Full RB


Date: 16 MAY 2019 07:43:52



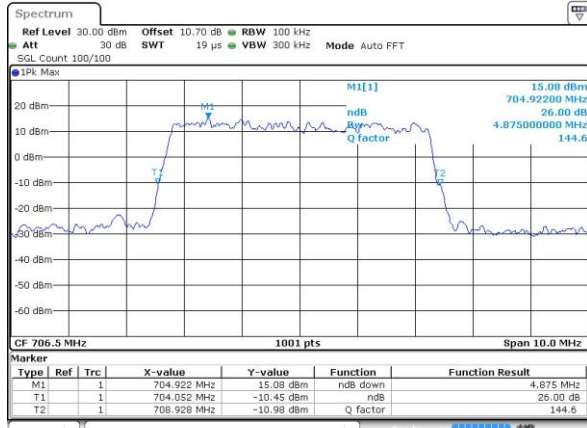
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.88	4.92	9.75	9.67	-	-	-	-
Middle CH	-	-	-	-	4.90	4.95	9.77	9.67	-	-	-	-
Highest CH	-	-	-	-	4.91	4.92	9.71	9.79	-	-	-	-



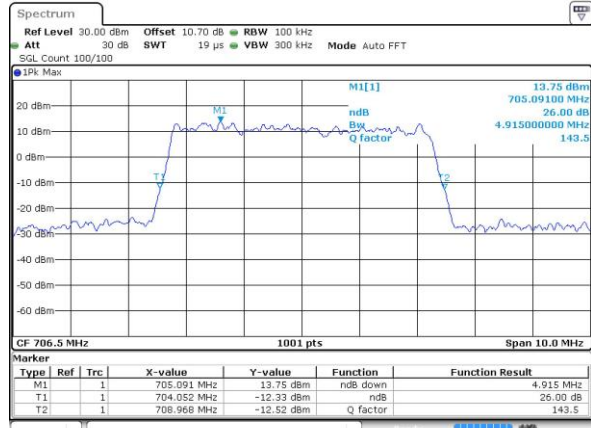
LTE Band 17

Lowest Channel / 5MHz / QPSK



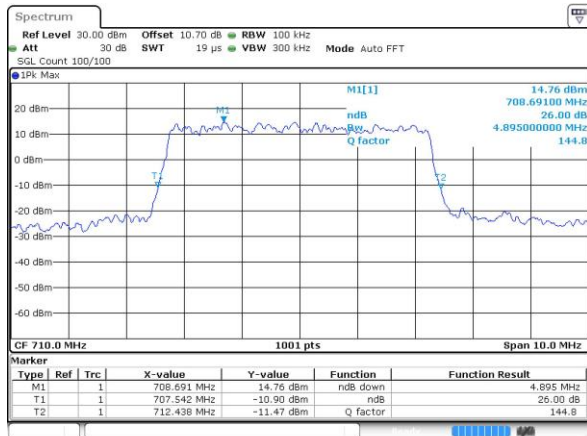
Date: 16 MAY 2019 07:17:47

Lowest Channel / 5MHz / 16QAM



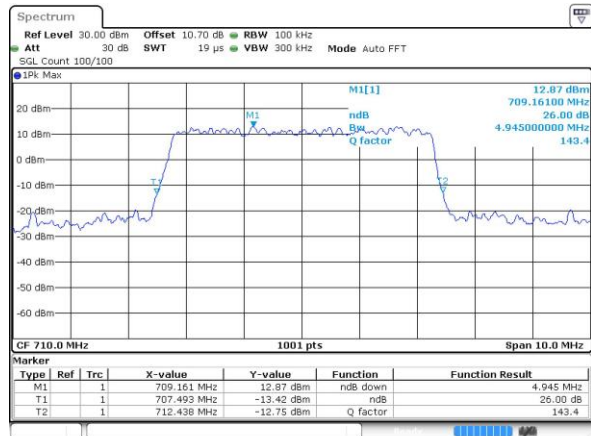
Date: 16 MAY 2019 07:17:59

Middle Channel / 5MHz / QPSK



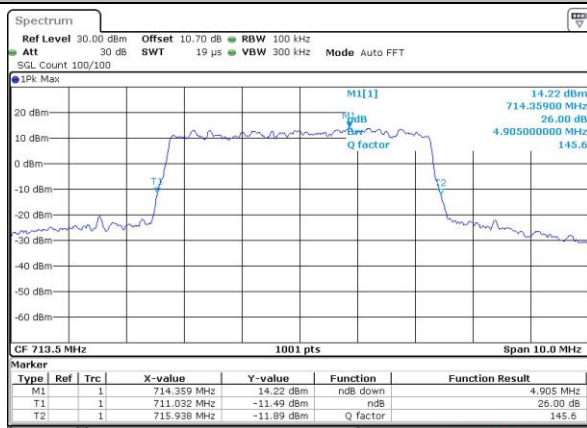
Date: 16 MAY 2019 07:23:07

Middle Channel / 5MHz / 16QAM



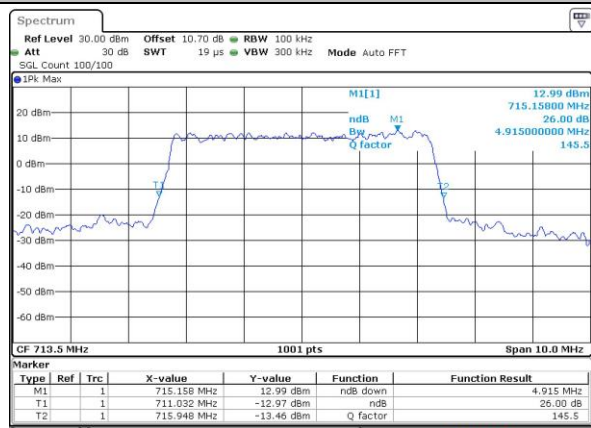
Date: 16 MAY 2019 07:23:18

Highest Channel / 5MHz / QPSK



Date: 16 MAY 2019 07:25:27

Highest Channel / 5MHz / 16QAM

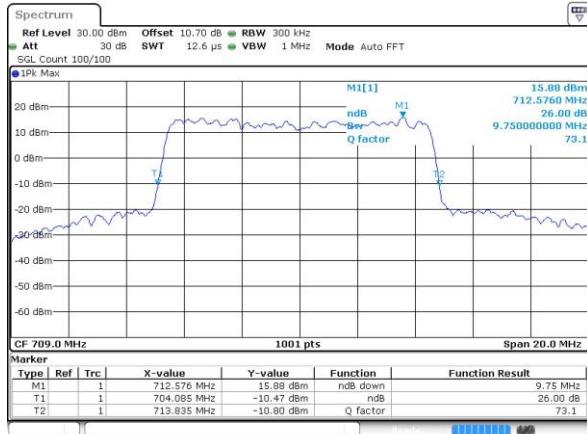


Date: 16 MAY 2019 07:25:39



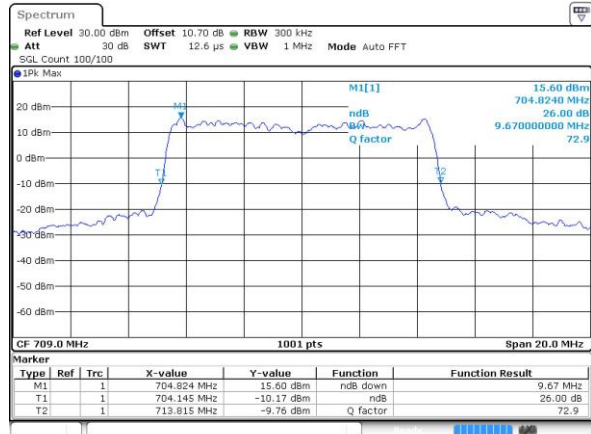
LTE Band 17

Lowest Channel / 10MHz / QPSK



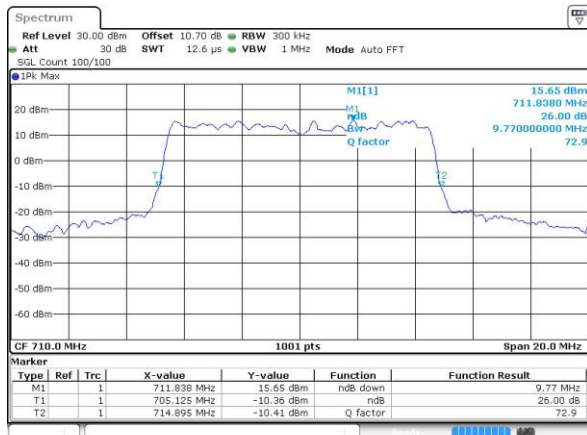
Date: 16 MAY 2019 07:30:35

Lowest Channel / 10MHz / 16QAM



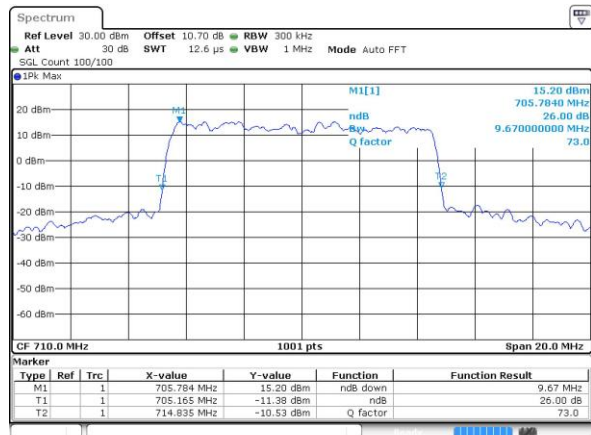
Date: 16 MAY 2019 07:30:47

Middle Channel / 10MHz / QPSK



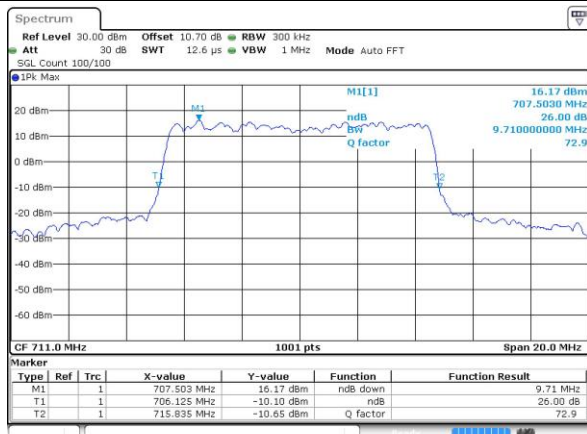
Date: 16 MAY 2019 07:35:56

Middle Channel / 10MHz / 16QAM



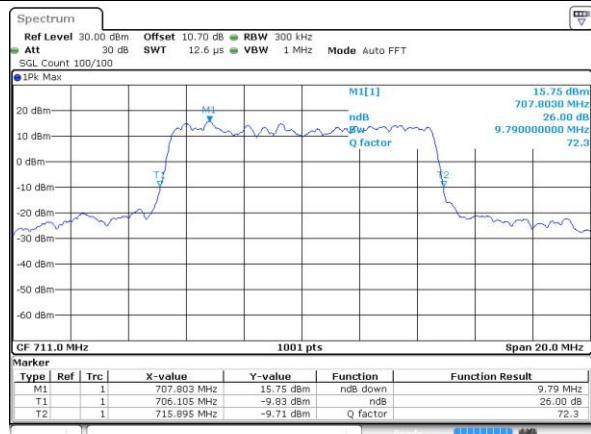
Date: 16 MAY 2019 07:36:07

Highest Channel / 10MHz / QPSK



Date: 16 MAY 2019 07:38:16

Highest Channel / 10MHz / 16QAM



Date: 16 MAY 2019 07:38:28



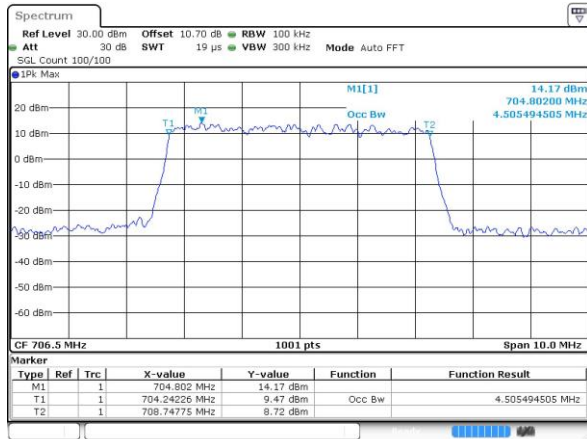
Occupied Bandwidth

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.51	9.05	9.05	-	-	-	-
Middle CH	-	-	-	-	4.52	4.51	9.09	9.07	-	-	-	-
Highest CH	-	-	-	-	4.48	4.5	9.11	9.03	-	-	-	-



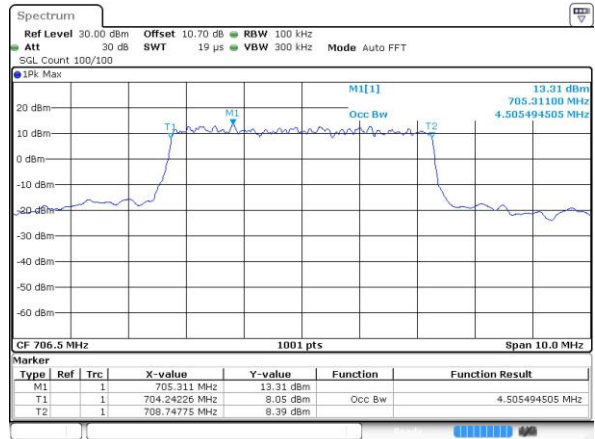
LTE Band 17

Lowest Channel / 5MHz / QPSK



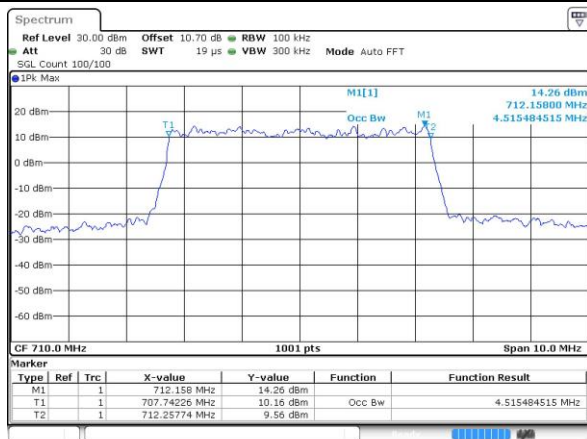
Date: 16 MAY 2019 07:17:22

Lowest Channel / 5MHz / 16QAM



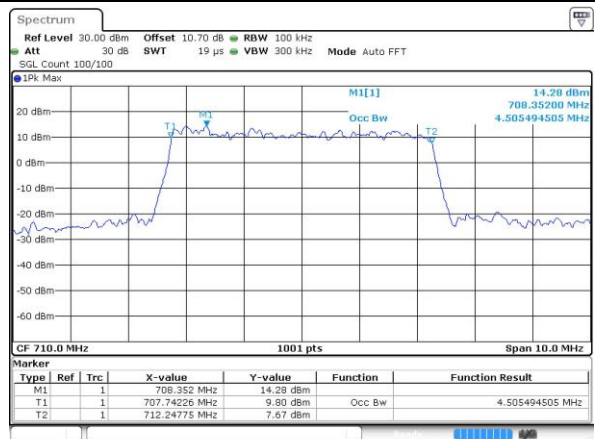
Date: 16 MAY 2019 07:17:35

Middle Channel / 5MHz / QPSK



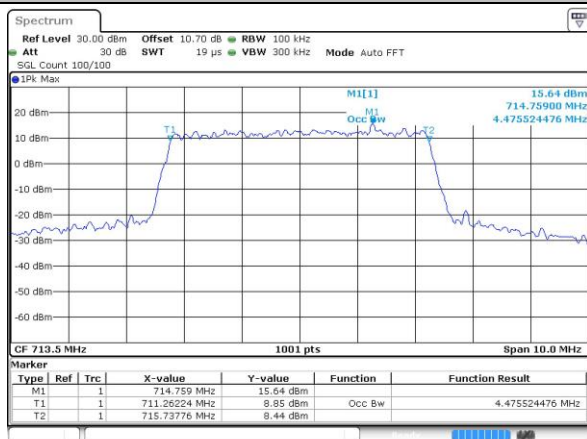
Date: 16 MAY 2019 07:22:43

Middle Channel / 5MHz / 16QAM



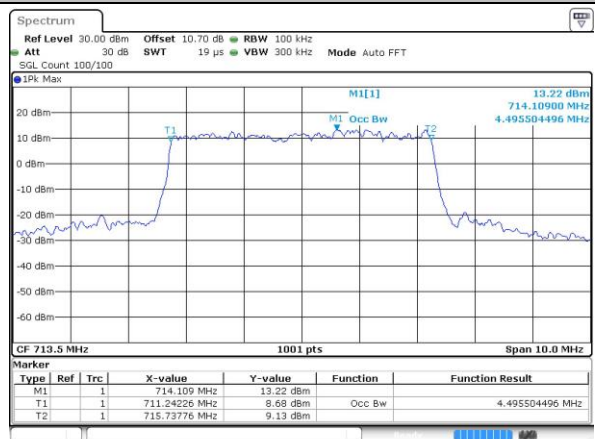
Date: 16 MAY 2019 07:22:55

Highest Channel / 5MHz / QPSK



Date: 16 MAY 2019 07:25:02

Highest Channel / 5MHz / 16QAM

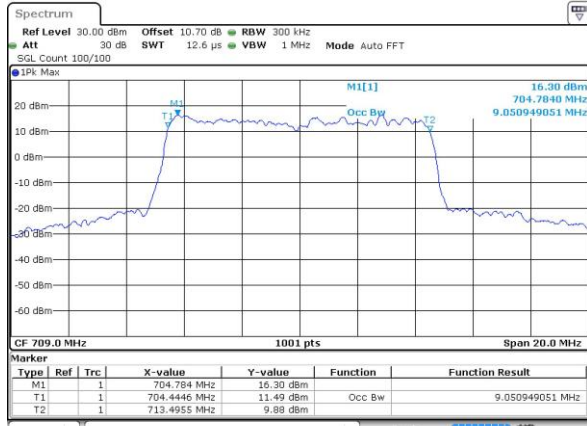


Date: 16 MAY 2019 07:25:14



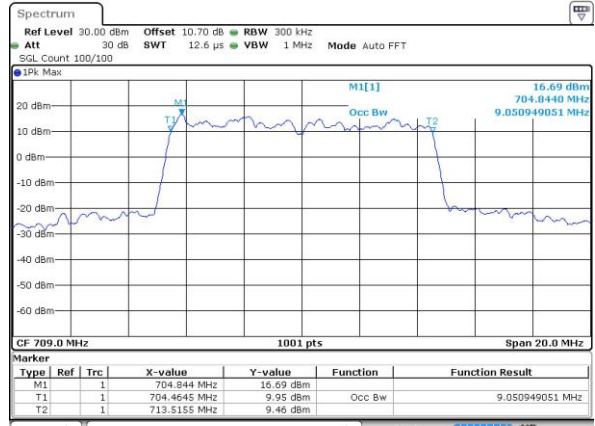
LTE Band 17

Lowest Channel / 10MHz / QPSK



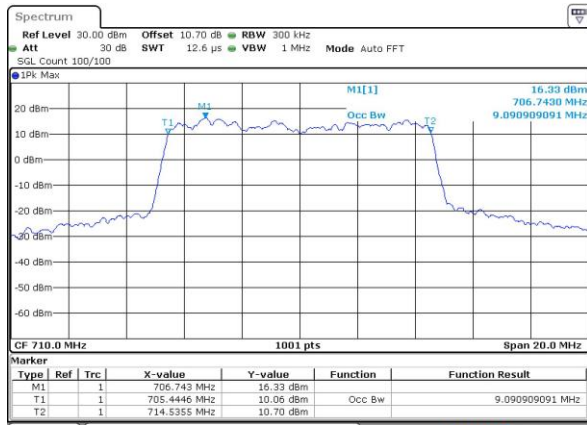
Date: 16 MAY 2019 07:30:10

Lowest Channel / 10MHz / 16QAM



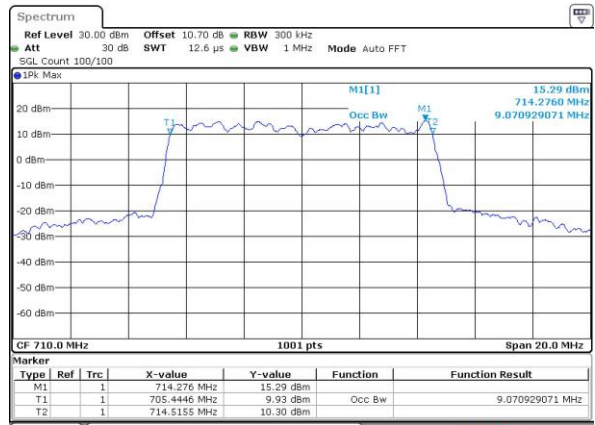
Date: 16 MAY 2019 07:30:22

Middle Channel / 10MHz / QPSK



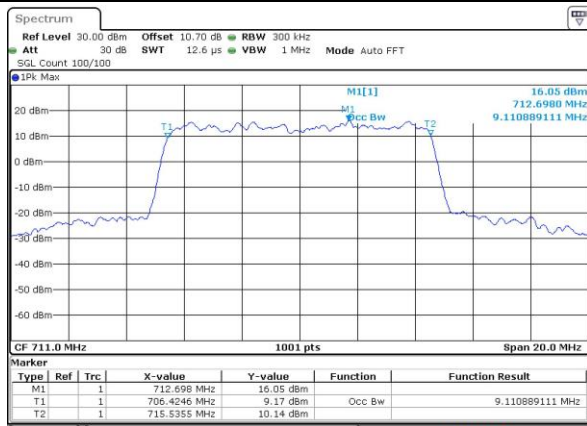
Date: 16 MAY 2019 07:35:32

Middle Channel / 10MHz / 16QAM



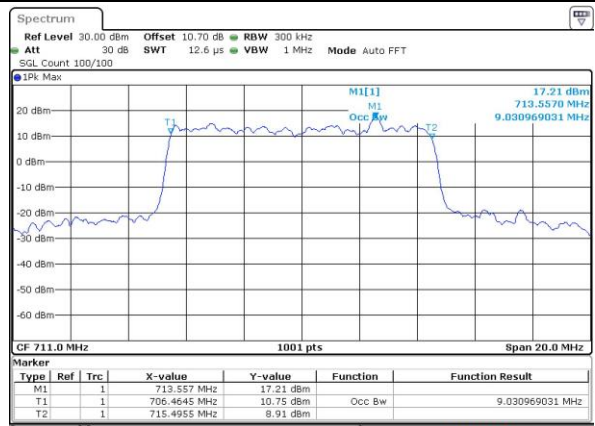
Date: 16 MAY 2019 07:35:44

Highest Channel / 10MHz / QPSK



Date: 16 MAY 2019 07:37:51

Highest Channel / 10MHz / 16QAM



Date: 16 MAY 2019 07:38:03

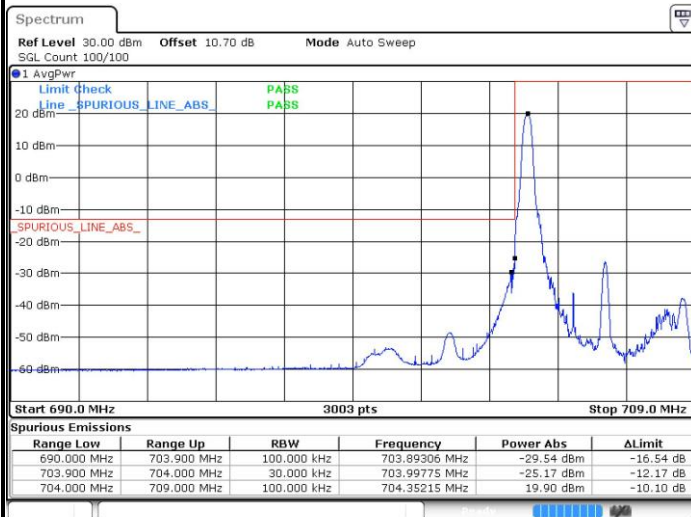


Conducted Band Edge

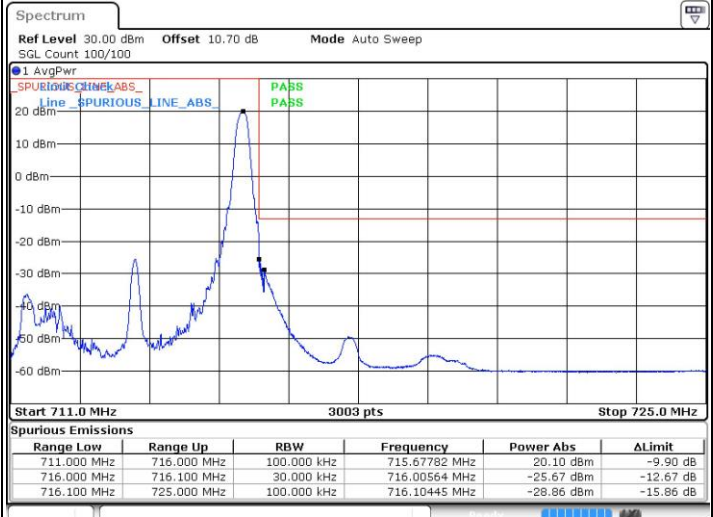


LTE Band 17 / 5MHz / QPSK

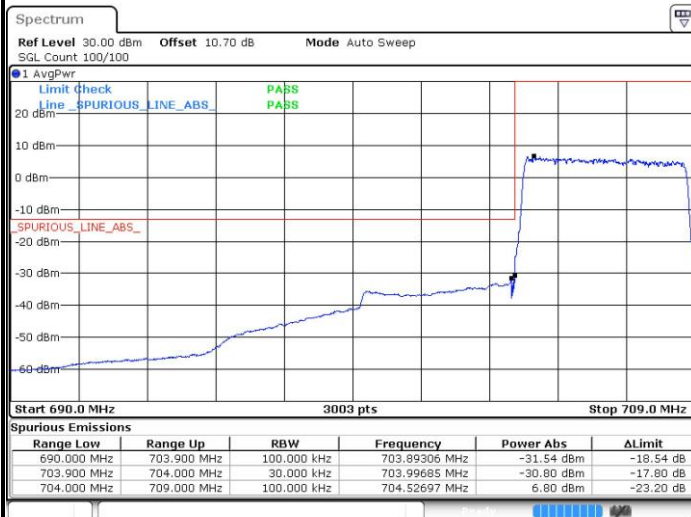
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



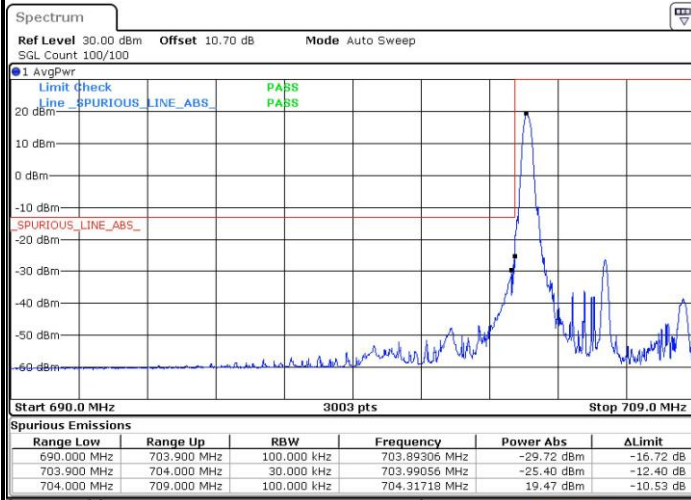
Highest Band Edge / Full RB



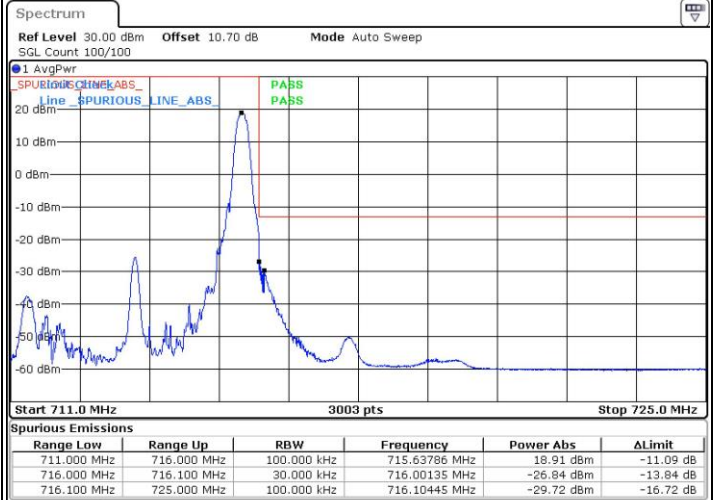


LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



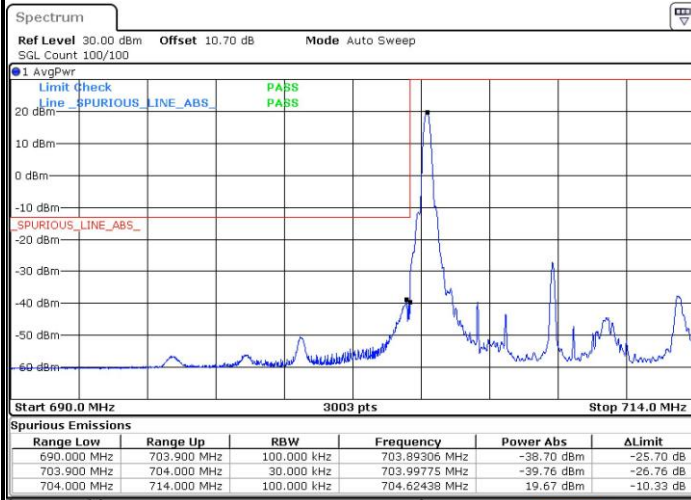
Highest Band Edge / Full RB



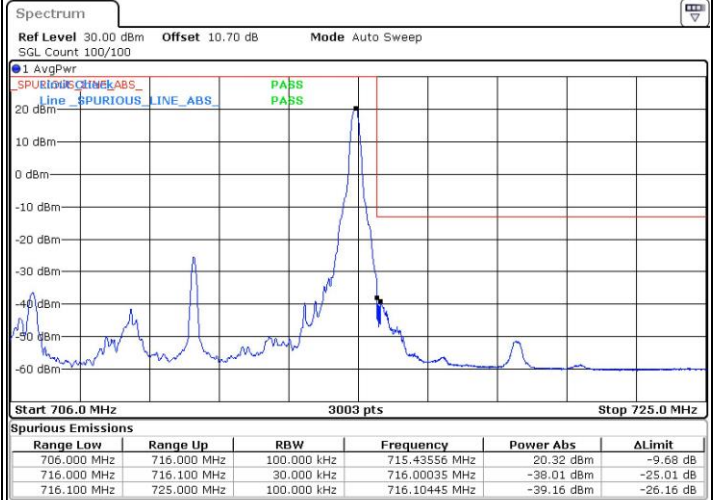


LTE Band 17 / 10MHz / QPSK

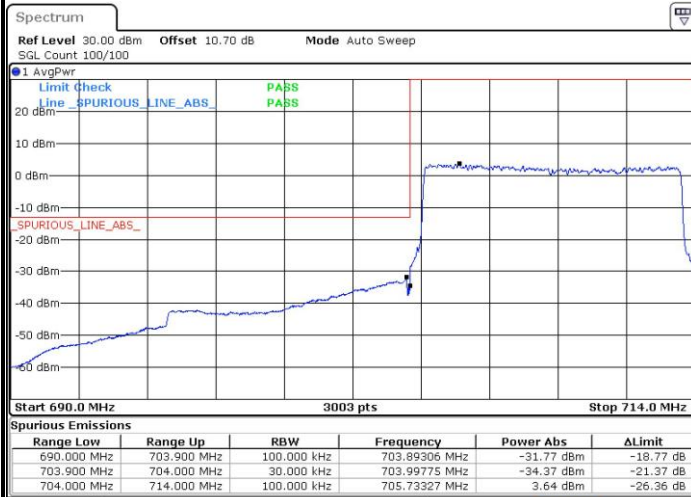
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



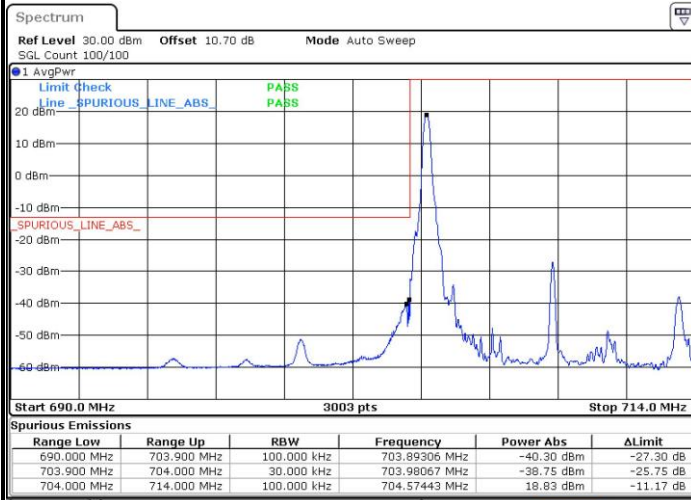
Highest Band Edge / Full RB



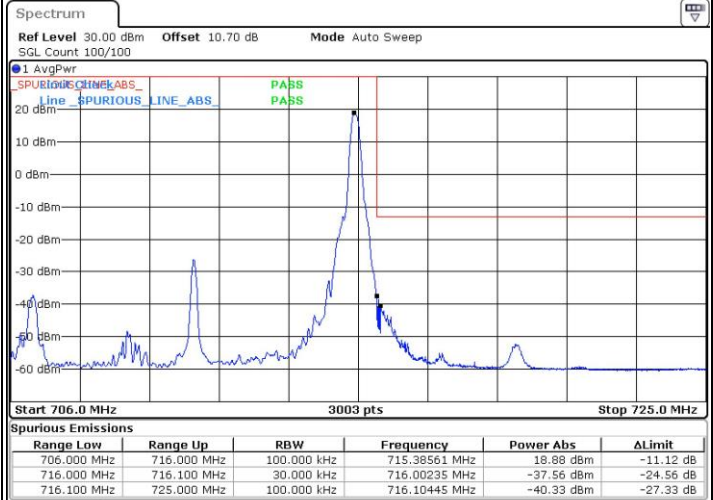


LTE Band 17 / 10MHz / 16QAM

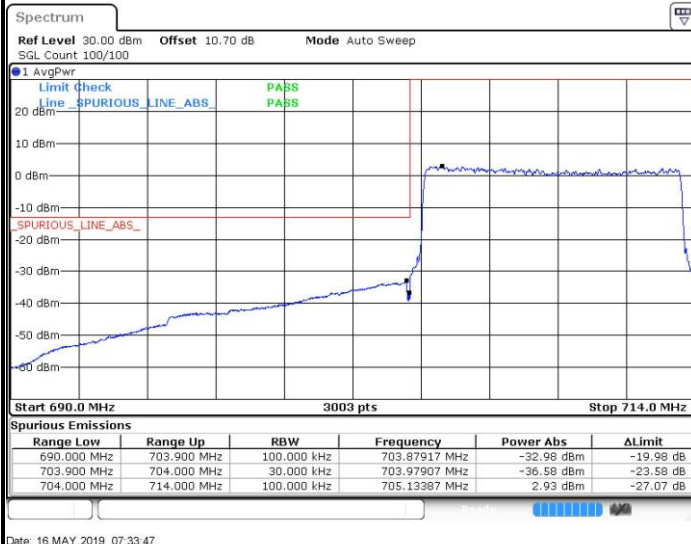
Lowest Band Edge / 1 RB



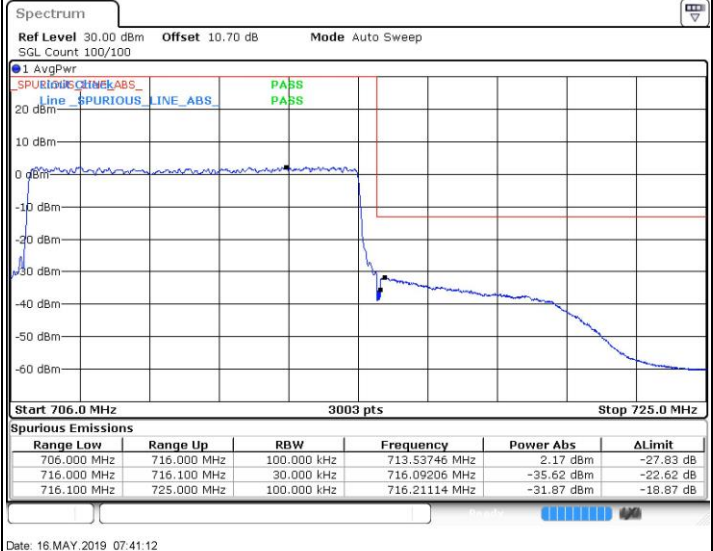
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



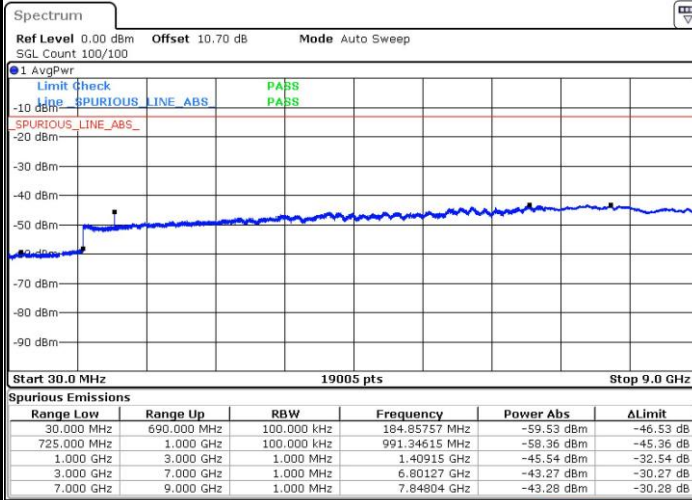


Conducted Spurious Emission



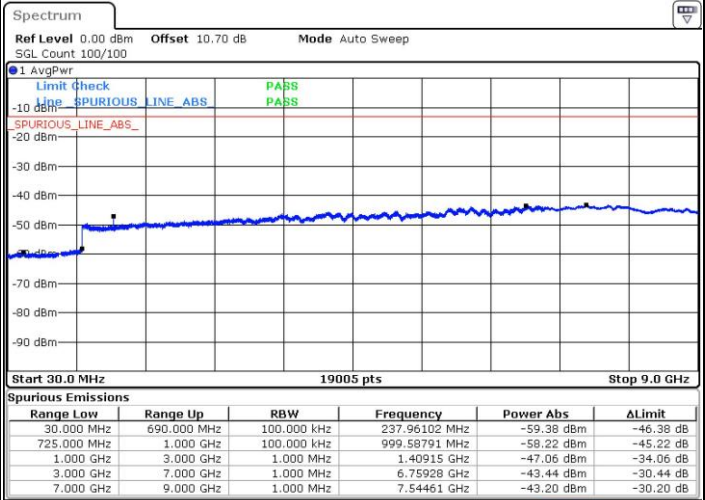
LTE Band 17 / 5MHz

Lowest Channel / QPSK



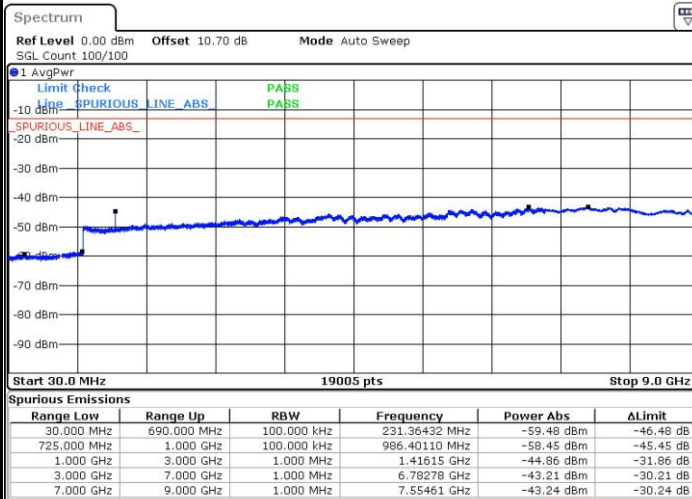
Date: 16 MAY 2019 07:21:45

Lowest Channel / 16QAM



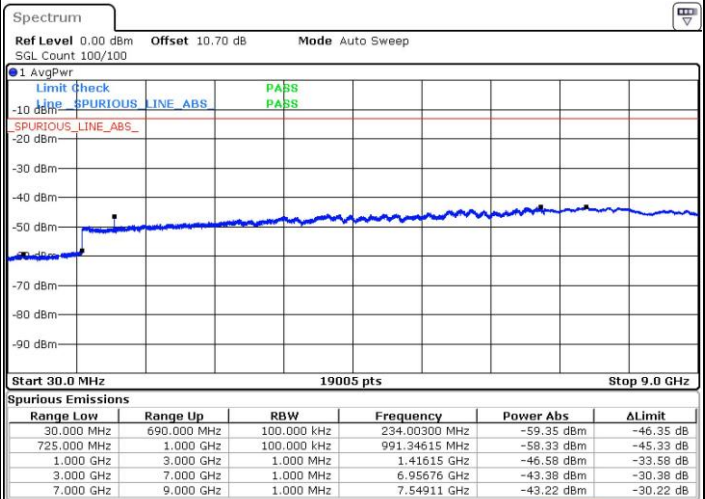
Date: 16 MAY 2019 07:22:31

Middle Channel / QPSK



Date: 16 MAY 2019 07:24:04

Middle Channel / 16QAM

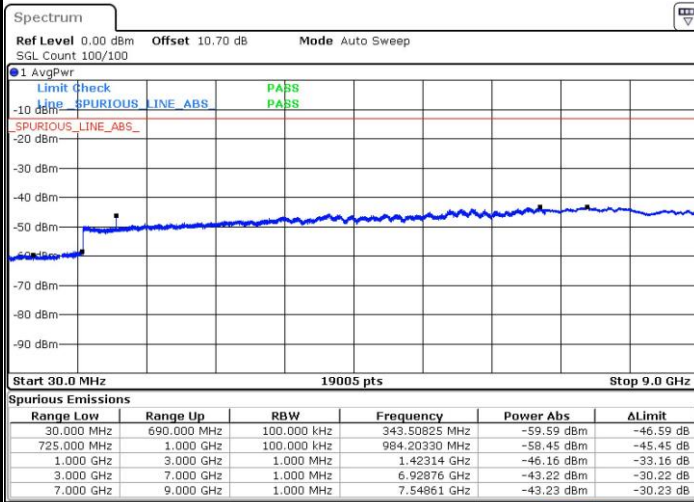


Date: 16 MAY 2019 07:24:50



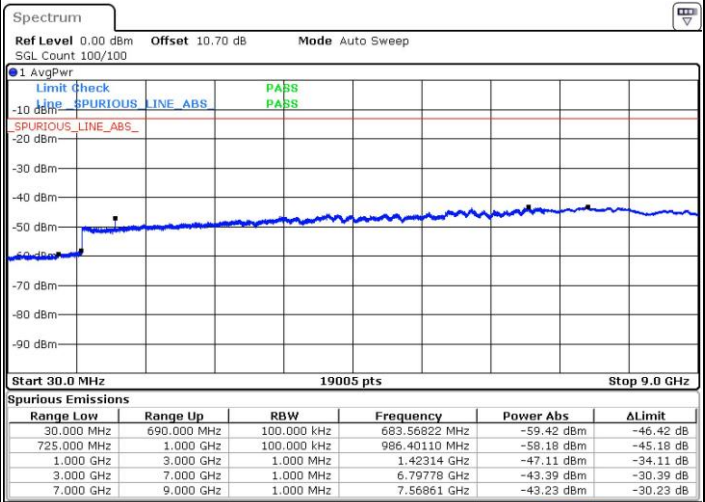
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 16 MAY 2019 07:29:10

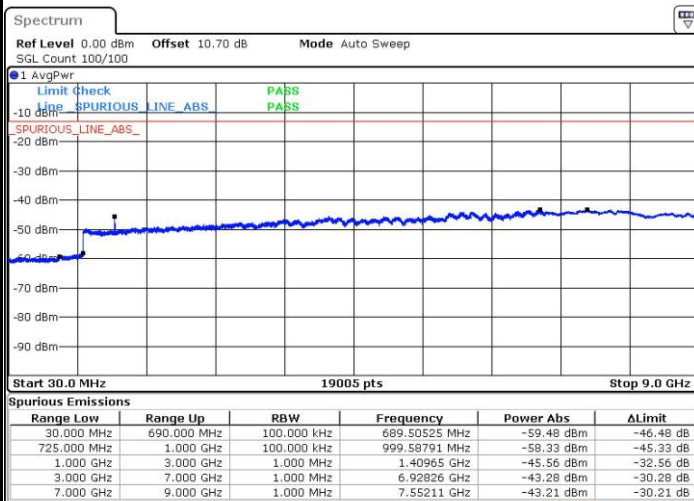
Highest Channel / 16QAM



Date: 16 MAY 2019 07:29:56

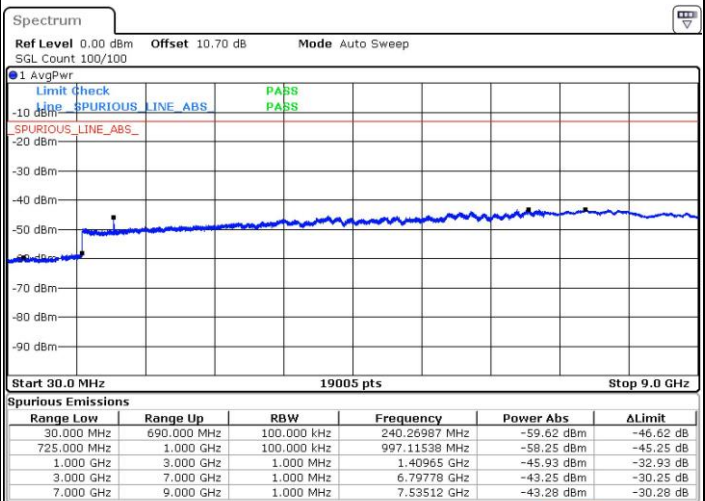
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 16 MAY 2019 07:34:34

Lowest Channel / 16QAM

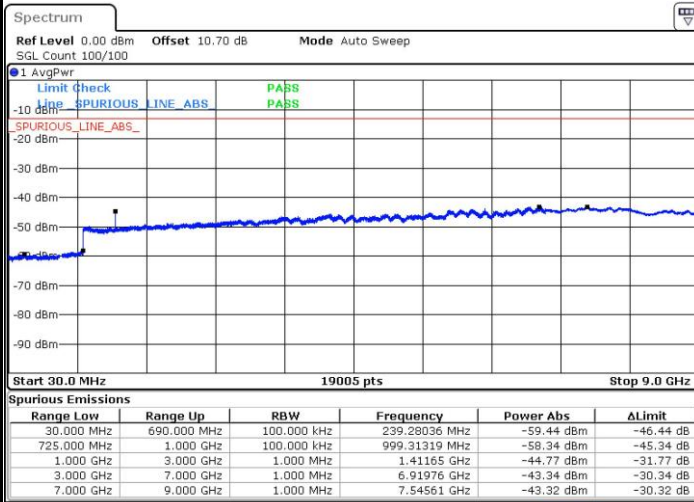


Date: 16 MAY 2019 07:35:20



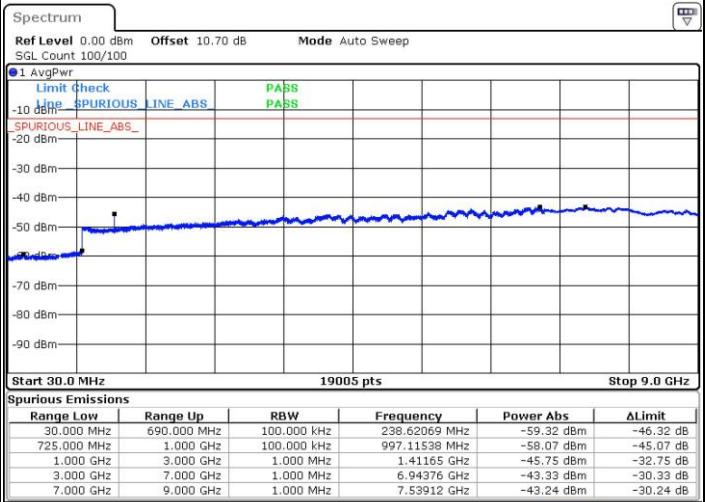
LTE Band 17 / 10MHz

Middle Channel / QPSK



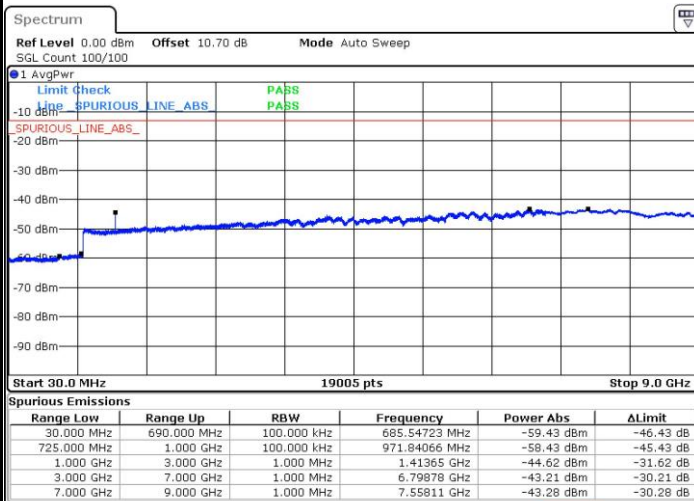
Date: 16 MAY 2019 07:36:53

Middle Channel / 16QAM



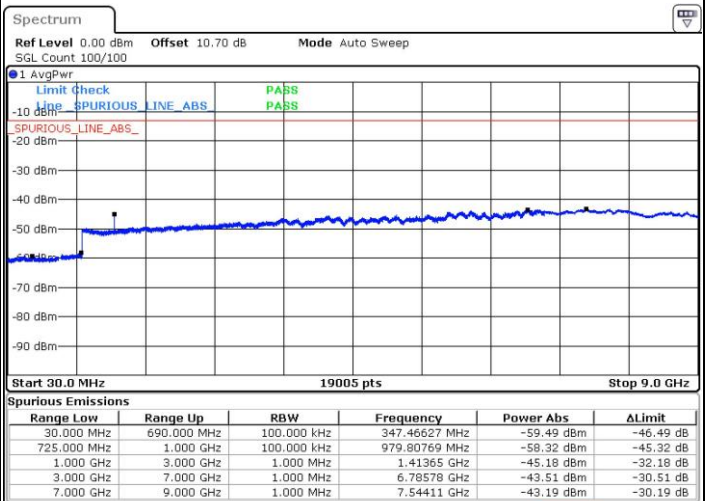
Date: 16 MAY 2019 07:37:39

Highest Channel / QPSK



Date: 16 MAY 2019 07:41:59

Highest Channel / 16QAM



Date: 16 MAY 2019 07:42:45

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0113	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0094	
-20	Normal Voltage	0.0099	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0097	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0097	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

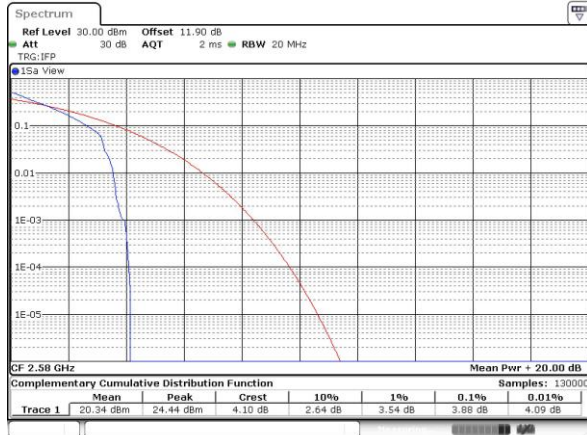
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.88	4.52	5.51	6	PASS
Middle CH	3.62	4.52	5.28	5.8	
Highest CH	3.42	4.49	4.81	5.77	

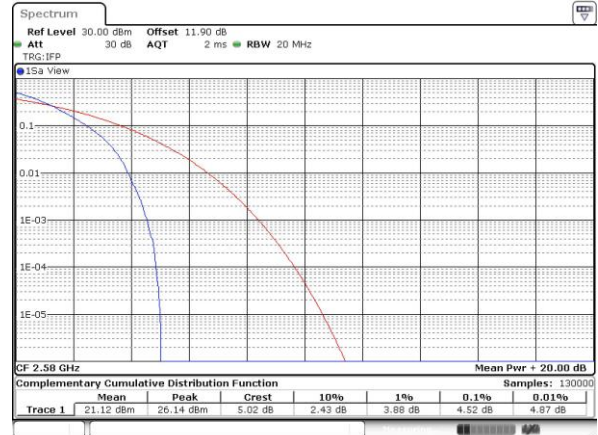


LTE Band 38 / 20MHz / QPSK

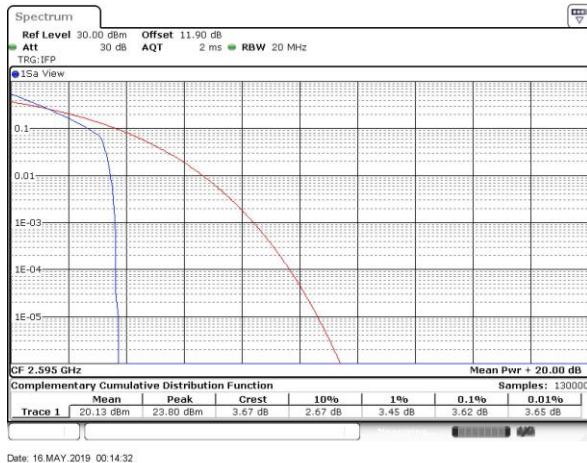
Lowest Channel / 1RB



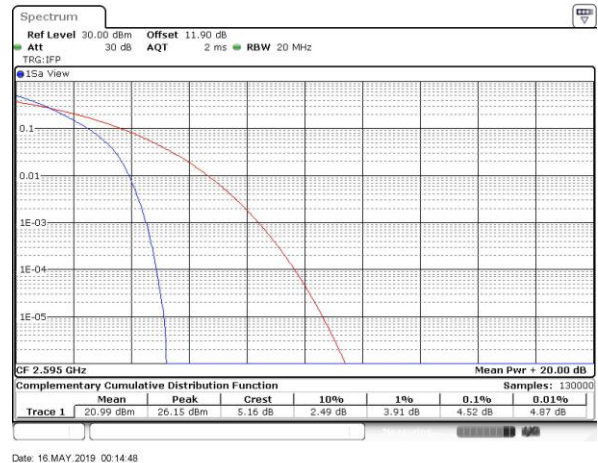
Lowest Channel / Full RB



Middle Channel / 1RB



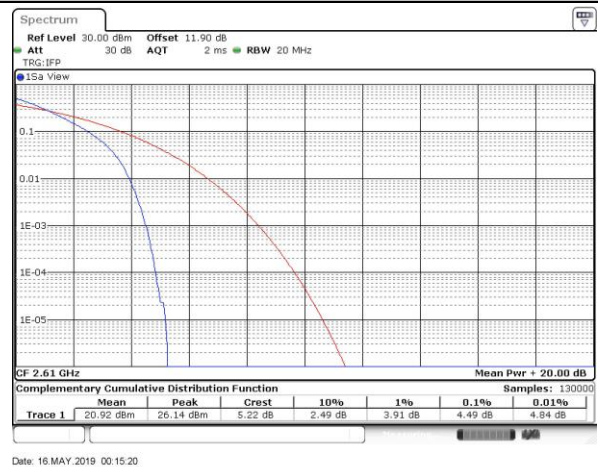
Middle Channel / Full RB



Highest Channel / 1RB



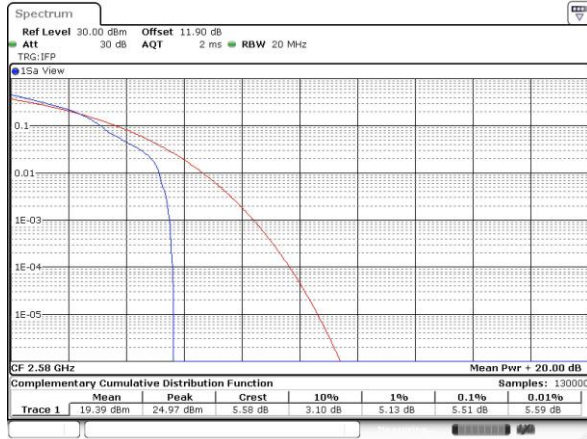
Highest Channel / Full RB



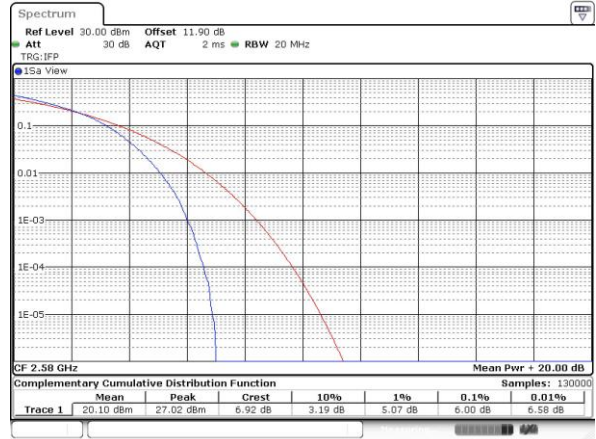


LTE Band 38 / 20MHz / 16QAM

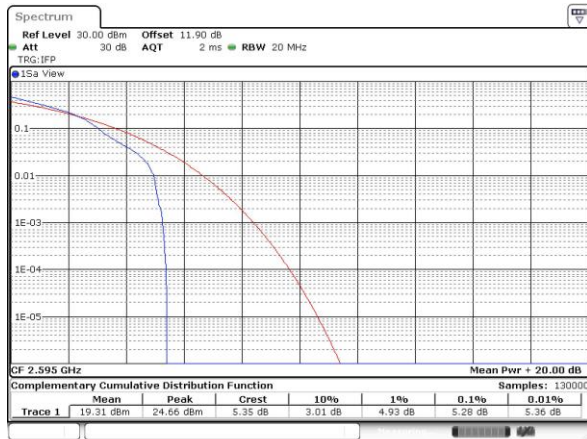
Lowest Channel / 1RB



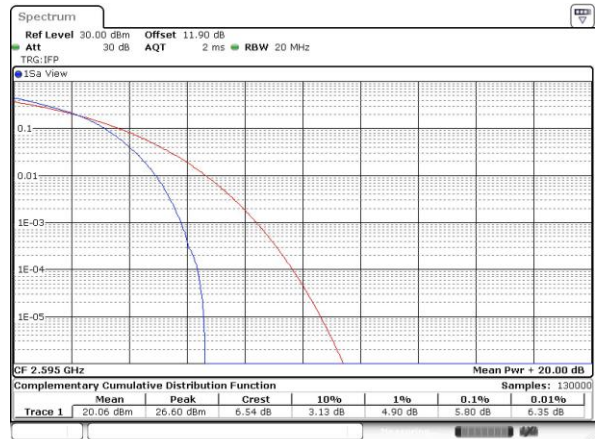
Lowest Channel / Full RB



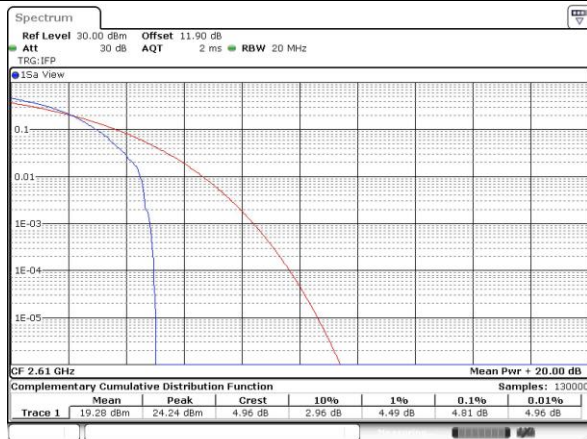
Middle Channel / 1RB



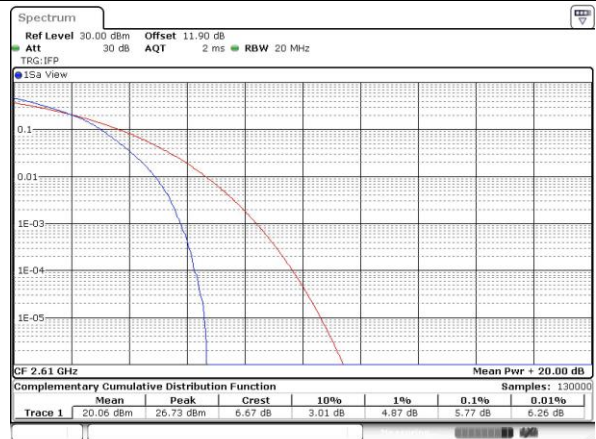
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





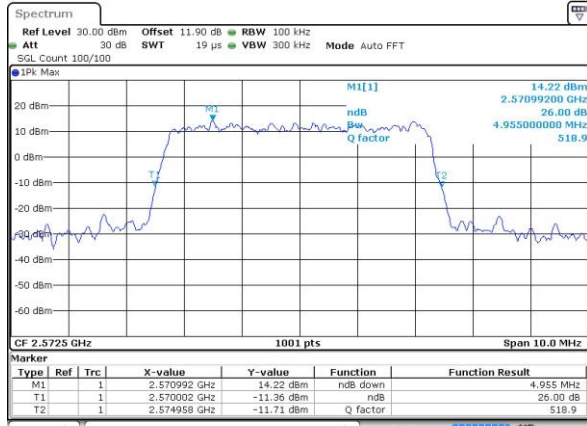
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.96	4.95	9.67	9.75	14.21	14.12	18.82	18.62
Middle CH	-	-	-	-	4.83	4.82	9.73	9.69	14.27	14.27	19.10	18.62
Highest CH	-	-	-	-	4.83	4.83	9.81	9.73	14.51	14.30	18.90	18.62



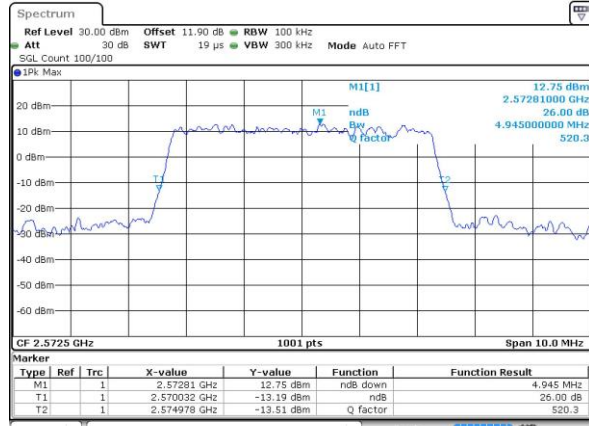
LTE Band 38

Lowest Channel / 5MHz / QPSK



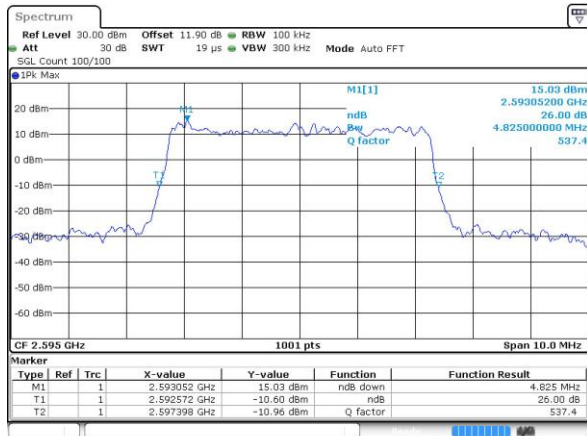
Date: 16 MAY 2019 00:01:56

Lowest Channel / 5MHz / 16QAM



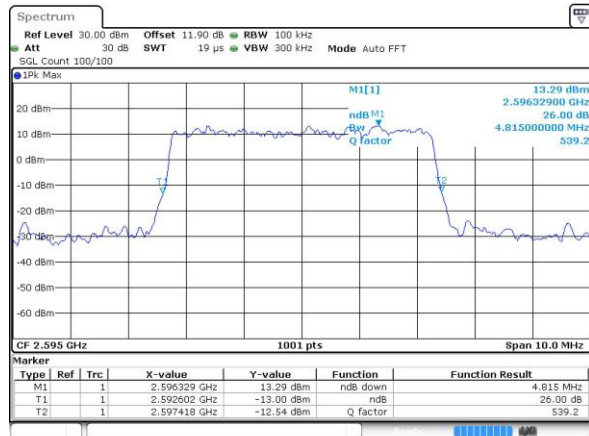
Date: 16 MAY 2019 00:02:08

Middle Channel / 5MHz / QPSK



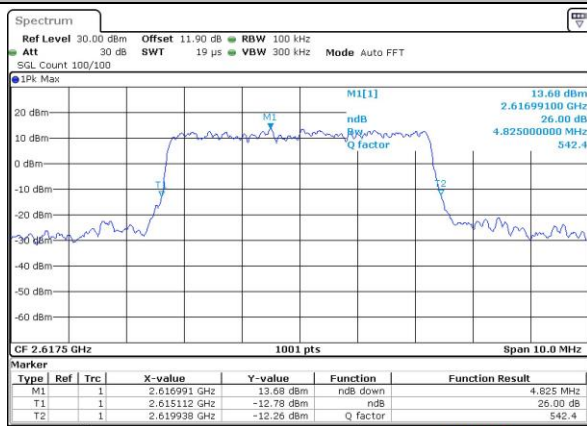
Date: 16 MAY 2019 00:02:43

Middle Channel / 5MHz / 16QAM



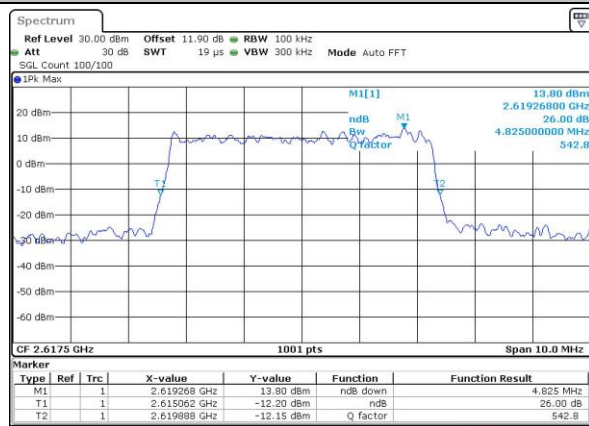
Date: 16 MAY 2019 00:02:55

Highest Channel / 5MHz / QPSK



Date: 16 MAY 2019 00:03:32

Highest Channel / 5MHz / 16QAM



Date: 16 MAY 2019 00:03:44