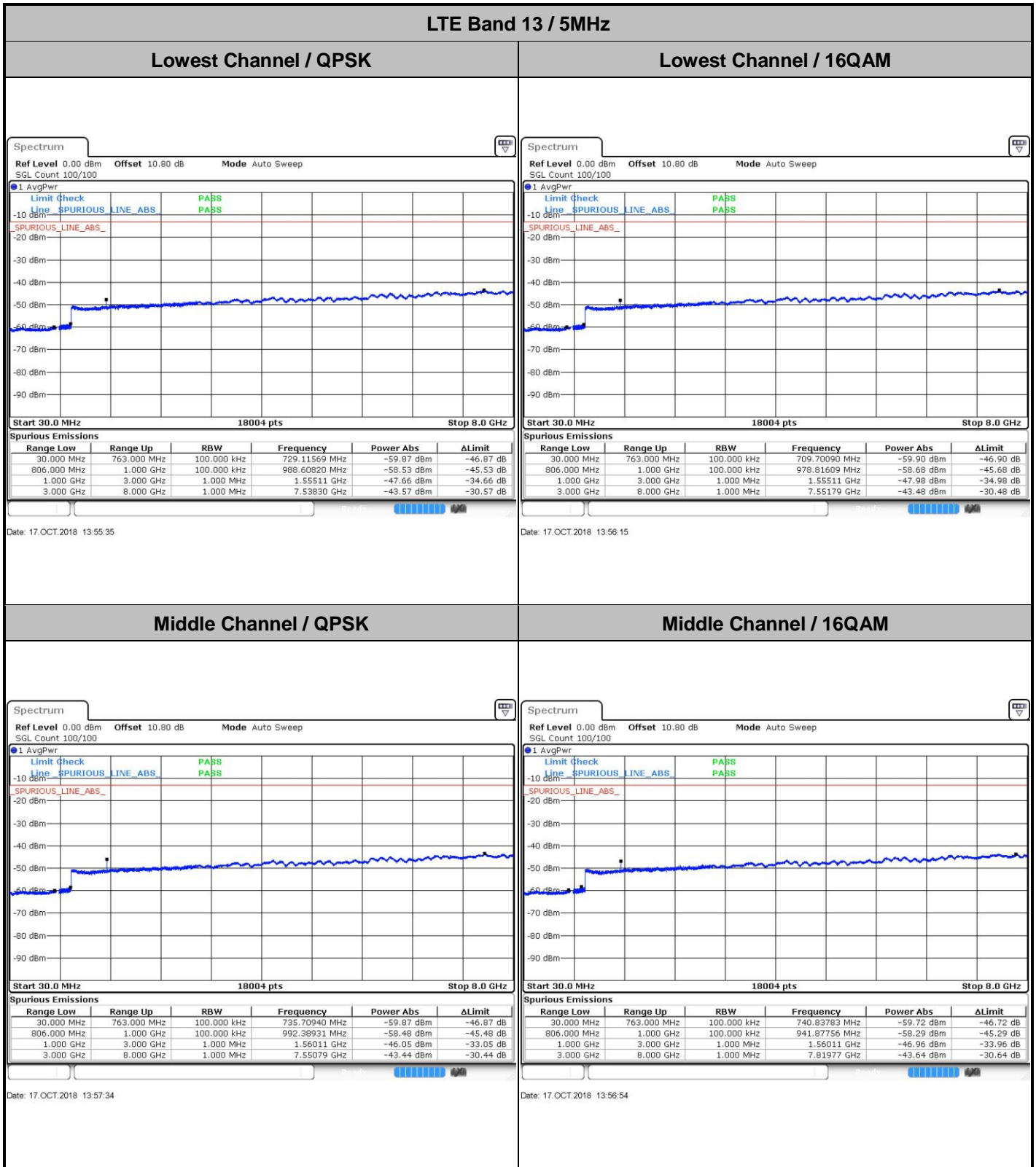




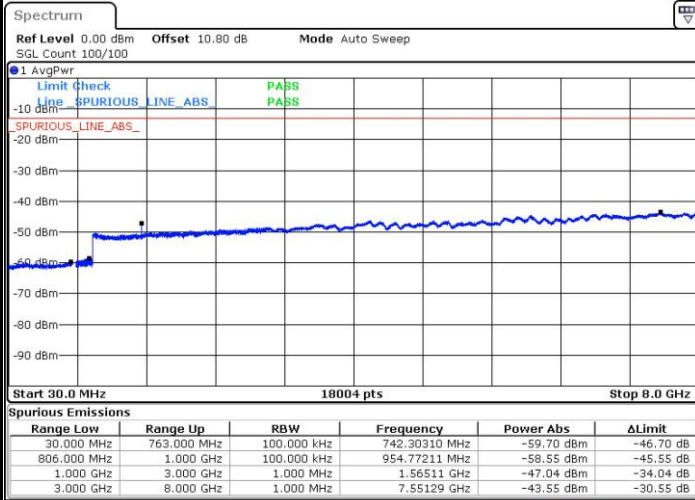
Conducted Spurious Emission





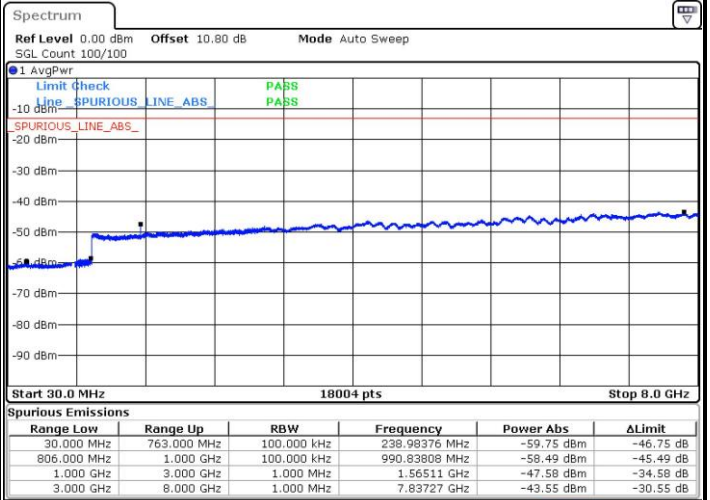
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 17.OCT.2018 14:14:58

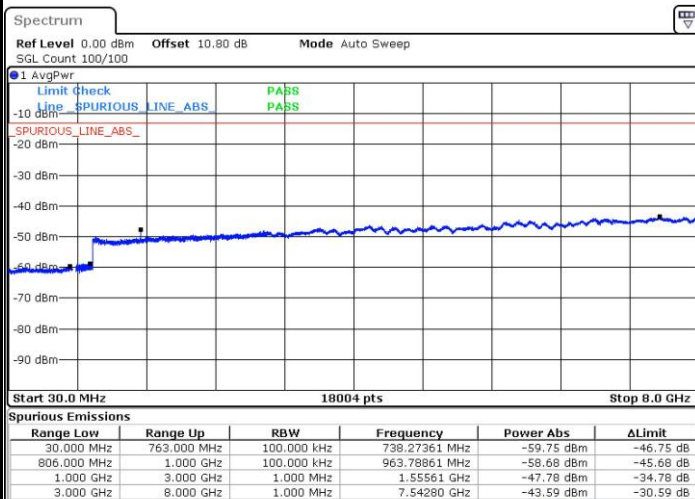
Highest Channel / 16QAM



Date: 17.OCT.2018 14:15:38

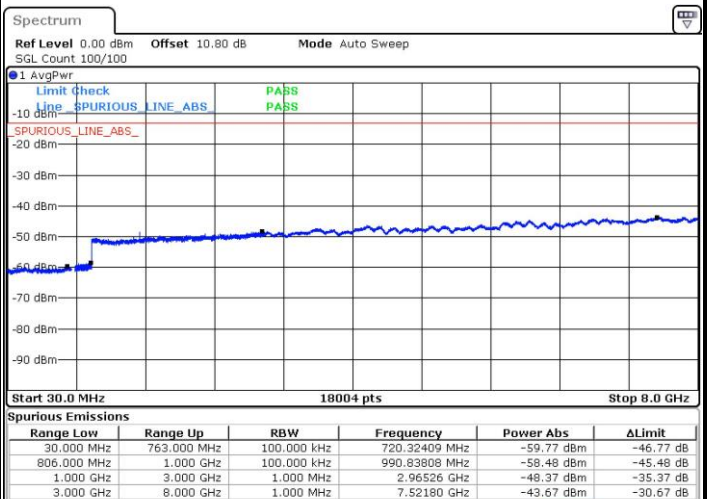
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 17.OCT.2018 14:37:35

Middle Channel / 16QAM



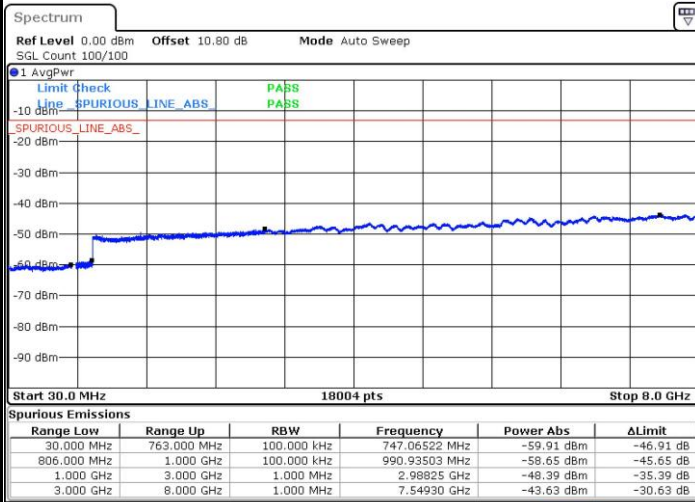
Date: 17.OCT.2018 14:36:55



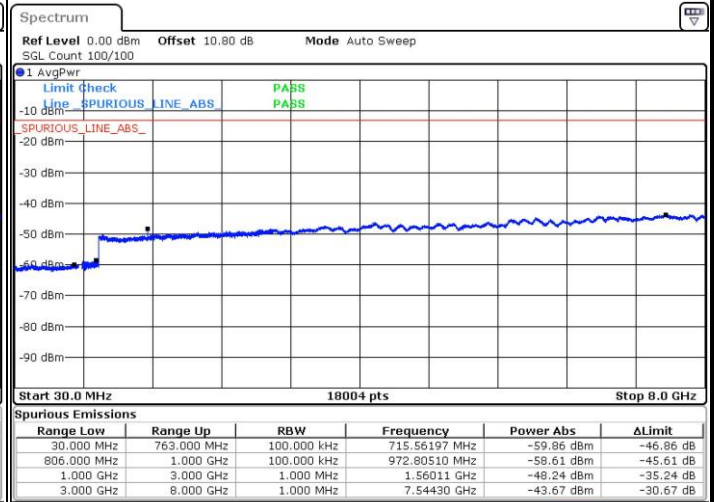
LTE Band 13 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

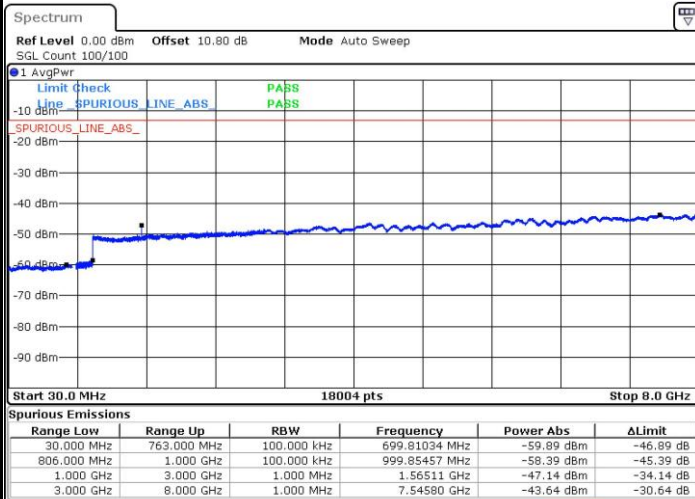


Date: 17.OCT.2018 14:20:01



Date: 17.OCT.2018 14:20:41

Highest Channel / 64QAM

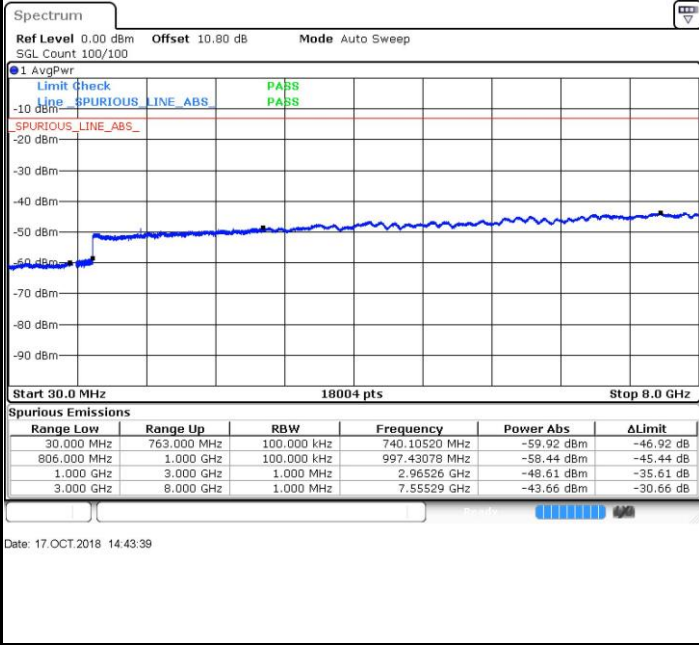


Date: 17.OCT.2018 14:25:28



LTE Band 13 / 10MHz

Middle Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0102	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0101	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0121	
-30	Normal Voltage	0.0111	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

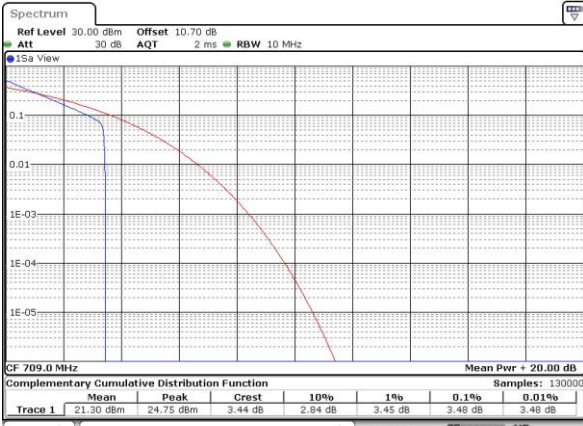
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.58	4.14	5.83	PASS
Middle CH	3.42	4.58	4.14	5.8	
Highest CH	3.48	4.43	4.26	5.74	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.13	6.38	-	-	PASS
Middle CH	5.16	6.38	-	-	
Highest CH	5.30	6.38	-	-	



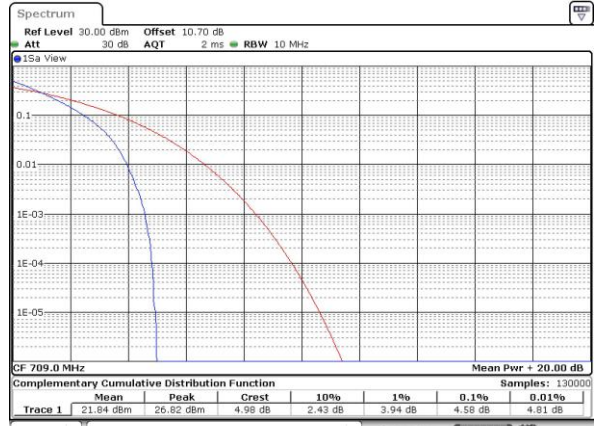
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



Date: 17.OCT.2018 13:41:48

Lowest Channel / Full RB



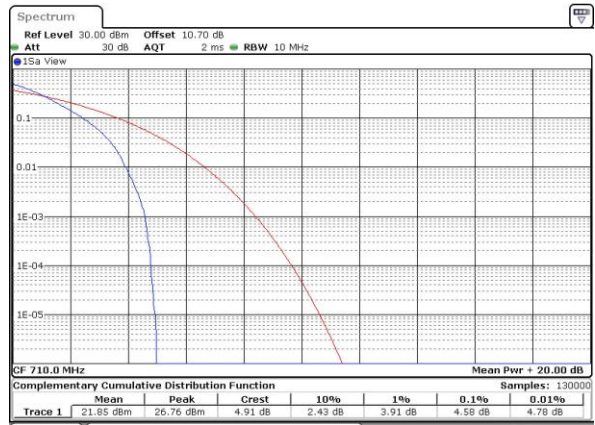
Date: 17.OCT.2018 13:41:56

Middle Channel / 1RB



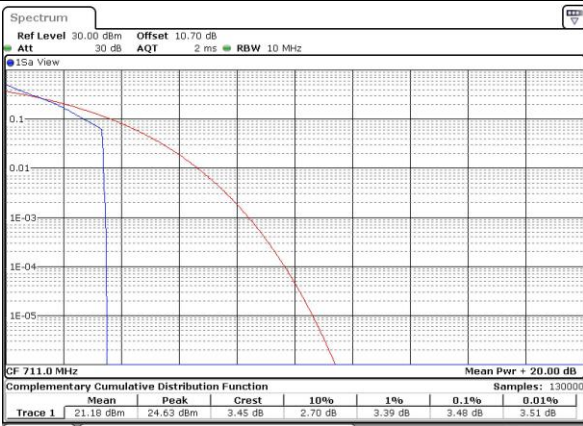
Date: 17.OCT.2018 13:42:07

Middle Channel / Full RB



Date: 17.OCT.2018 13:42:17

Highest Channel / 1RB



Date: 17.OCT.2018 13:42:29

Highest Channel / Full RB

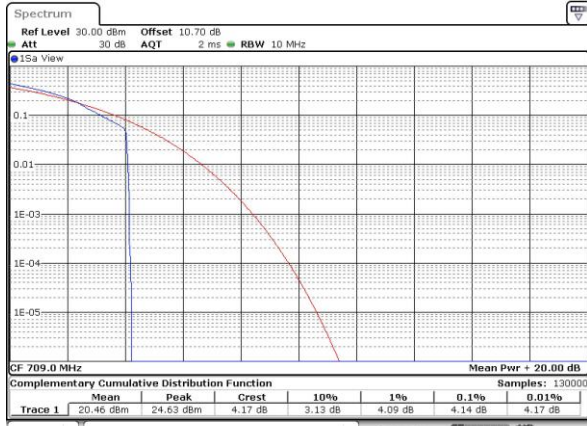


Date: 17.OCT.2018 13:42:49



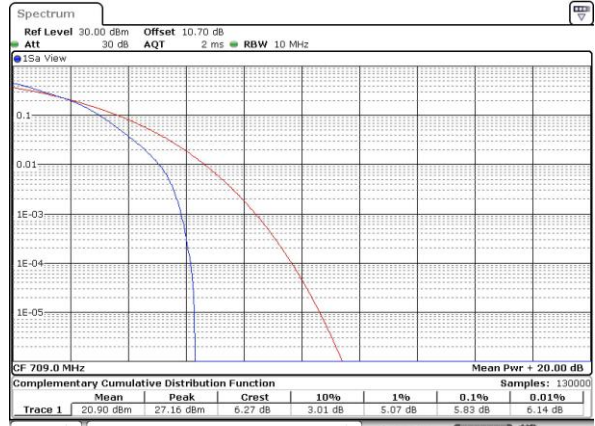
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



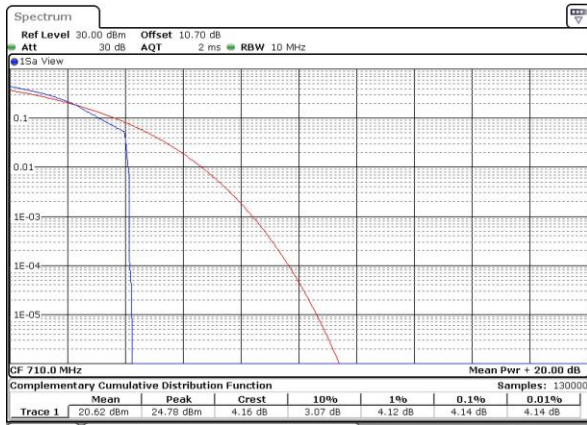
Date: 17.OCT.2018 13:39:05

Lowest Channel / Full RB



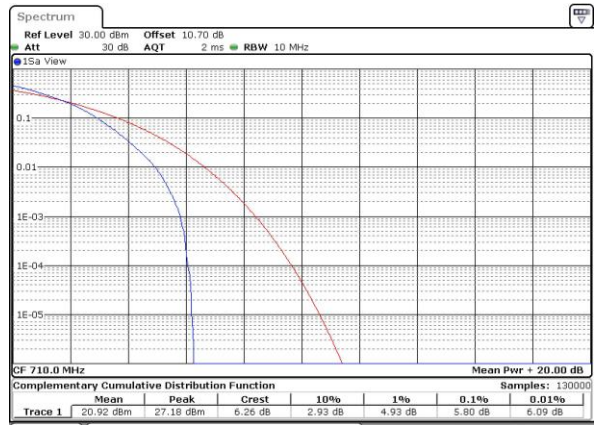
Date: 17.OCT.2018 13:40:09

Middle Channel / 1RB



Date: 17.OCT.2018 13:40:20

Middle Channel / Full RB



Date: 17.OCT.2018 13:40:44

Highest Channel / 1RB



Date: 17.OCT.2018 13:41:15

Highest Channel / Full RB

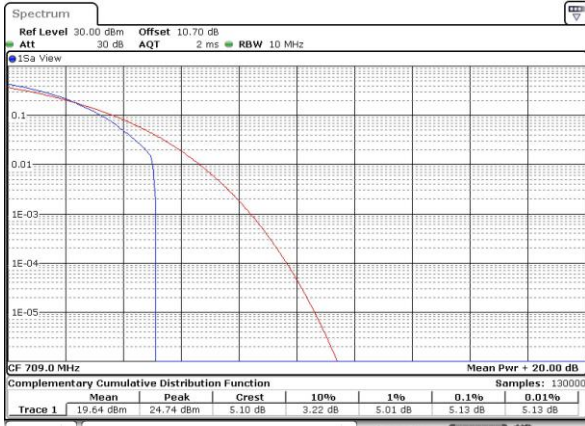


Date: 17.OCT.2018 13:41:26



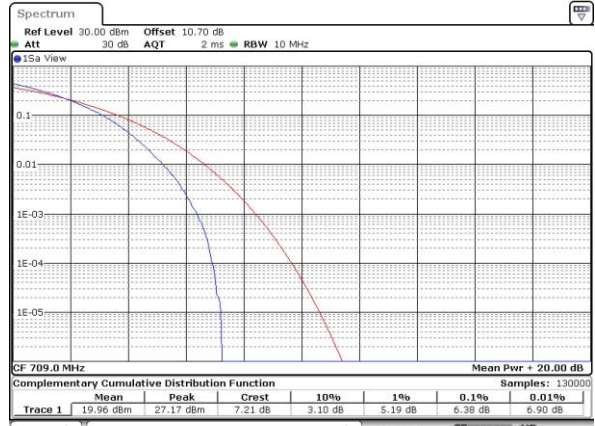
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 17.OCT.2018 13.43.09

Lowest Channel / Full RB



Date: 17.OCT.2018 13.43.26

Middle Channel / 1RB



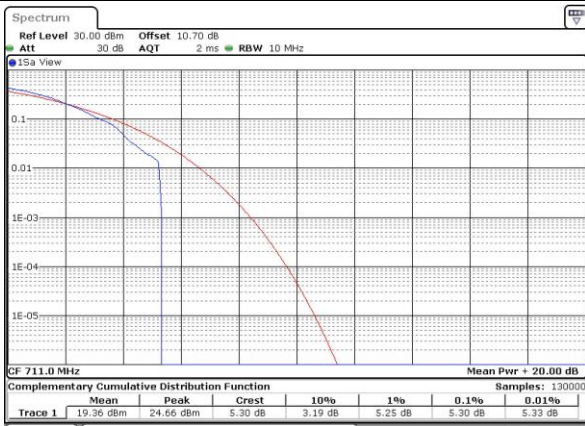
Date: 17.OCT.2018 13.43.37

Middle Channel / Full RB



Date: 17.OCT.2018 13.43.48

Highest Channel / 1RB



Date: 17.OCT.2018 13.44.27

Highest Channel / Full RB



Date: 17.OCT.2018 13.44.51



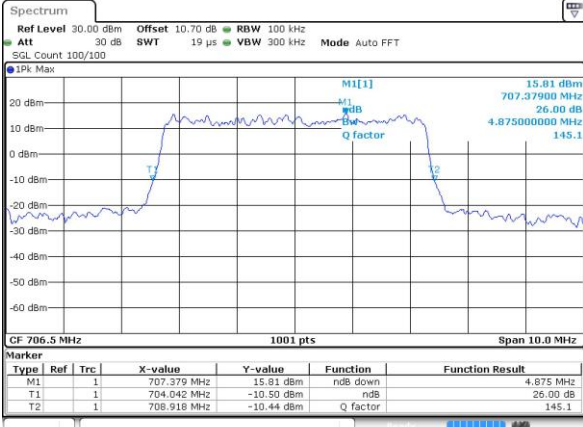
26dB Bandwidth

Mode BW Mod.	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.88	4.90	9.83	9.77	-	-	-	-
Middle CH	-	-	-	-	4.91	4.92	9.71	9.63	-	-	-	-
Highest CH	-	-	-	-	4.88	4.83	9.75	9.91	-	-	-	-
Mode BW Mod.	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	9.85	-	-	-	-	-
Middle CH	-	-	-	-	4.83	-	9.87	-	-	-	-	-
Highest CH	-	-	-	-	4.94	-	9.83	-	-	-	-	-



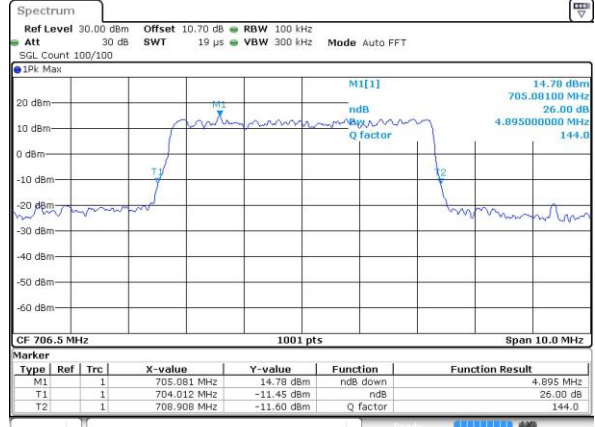
LTE Band 17

Lowest Channel / 5MHz / QPSK



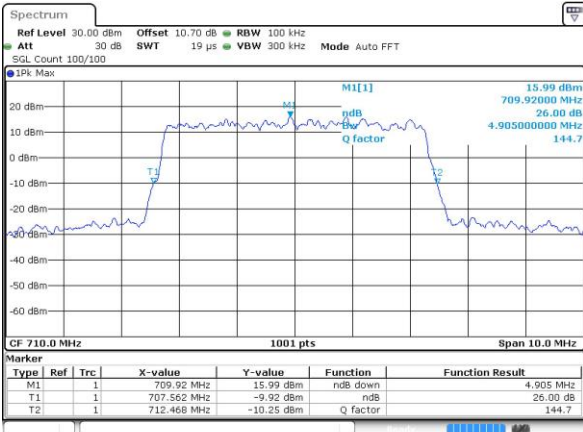
Date: 17.OCT.2018 11:38:59

Lowest Channel / 5MHz / 16QAM



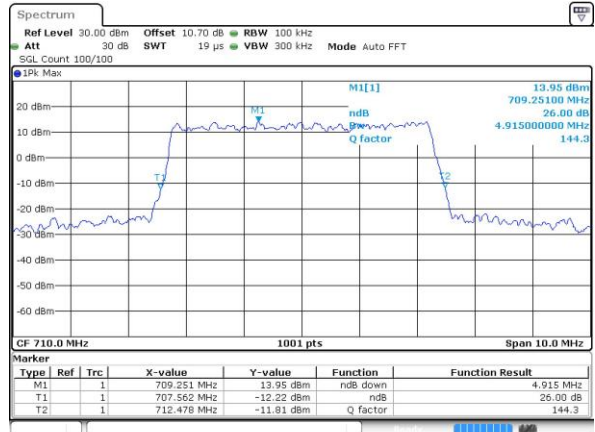
Date: 17.OCT.2018 11:37:10

Middle Channel / 5MHz / QPSK



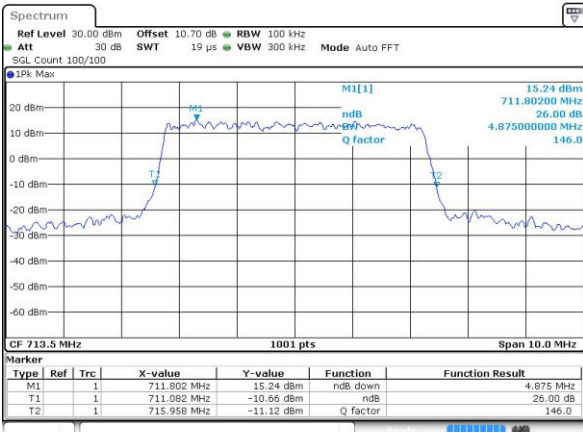
Date: 17.OCT.2018 11:44:05

Middle Channel / 5MHz / 16QAM



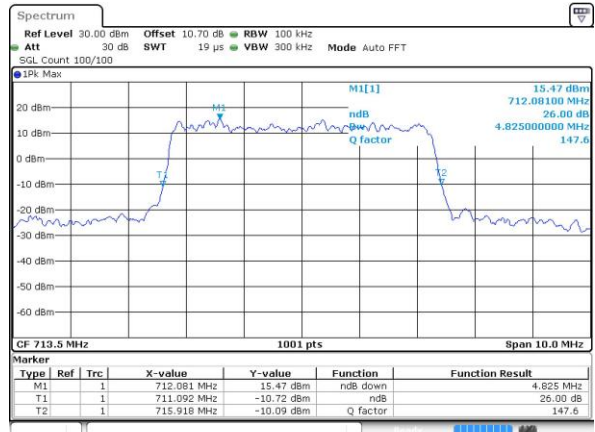
Date: 17.OCT.2018 11:44:16

Highest Channel / 5MHz / QPSK



Date: 17.OCT.2018 11:48:31

Highest Channel / 5MHz / 16QAM

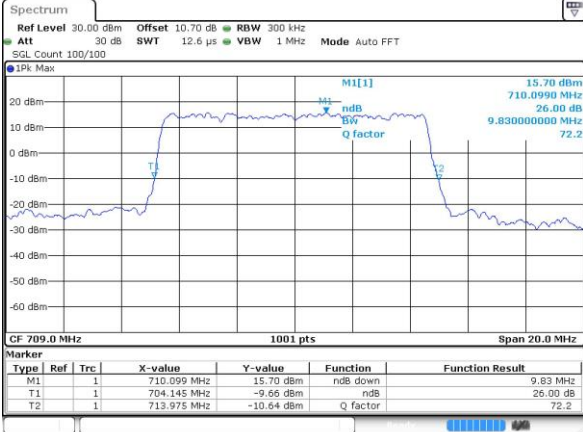


Date: 17.OCT.2018 11:48:42



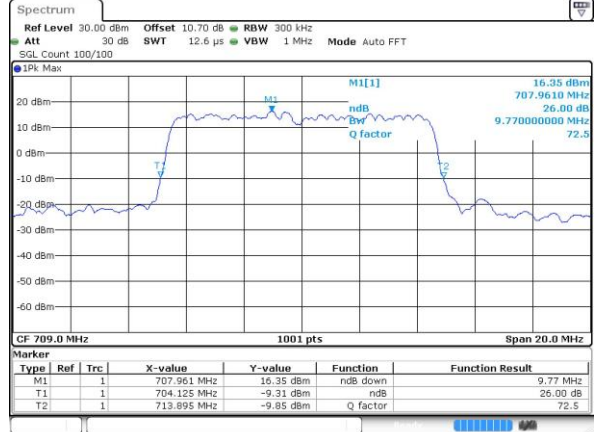
LTE Band 17

Lowest Channel / 10MHz / QPSK



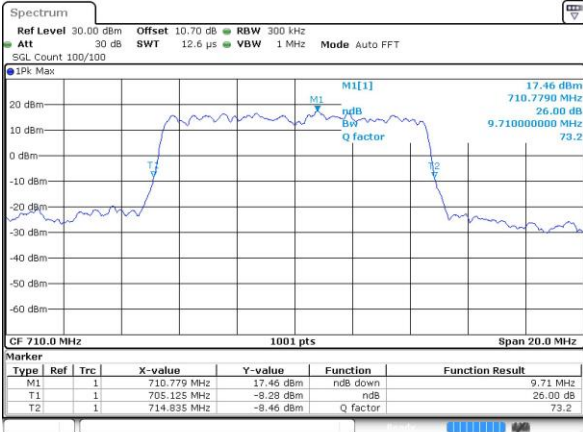
Date: 17.OCT.2018 11:53:38

Lowest Channel / 10MHz / 16QAM



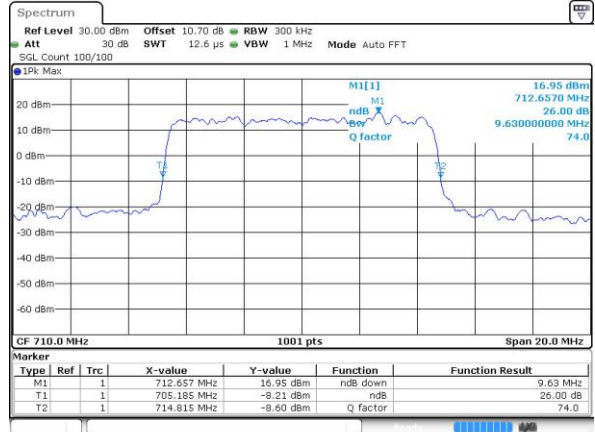
Date: 17.OCT.2018 11:53:49

Middle Channel / 10MHz / QPSK



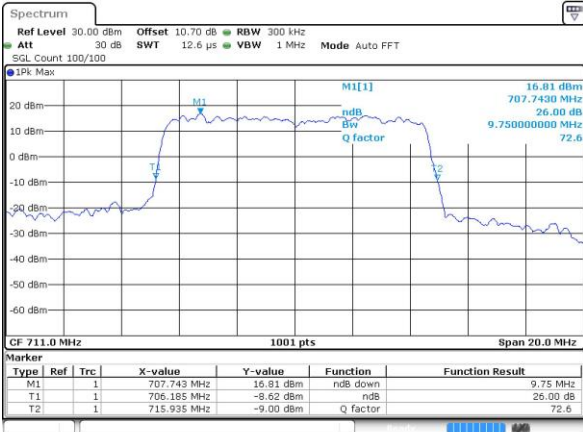
Date: 17.OCT.2018 12:00:44

Middle Channel / 10MHz / 16QAM



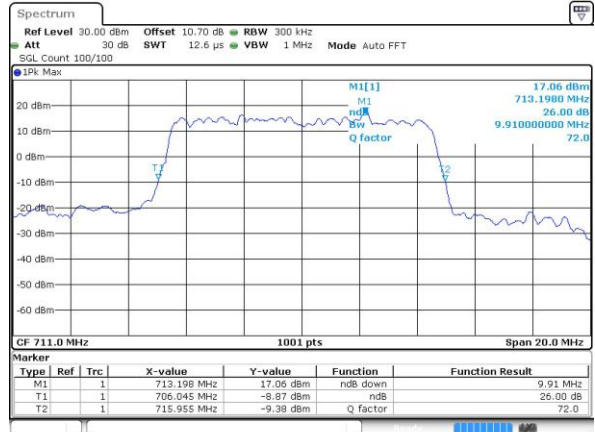
Date: 17.OCT.2018 12:00:55

Highest Channel / 10MHz / QPSK



Date: 17.OCT.2018 12:03:10

Highest Channel / 10MHz / 16QAM

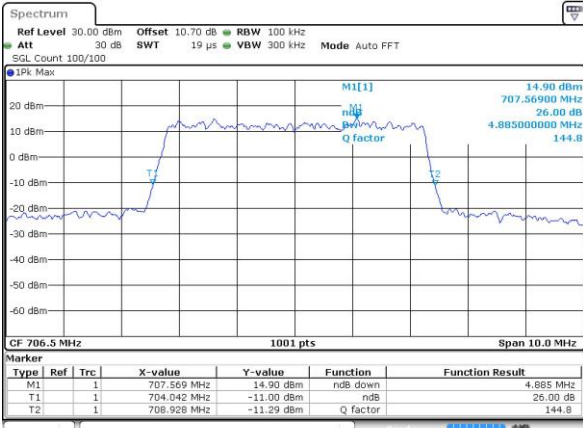


Date: 17.OCT.2018 12:03:21



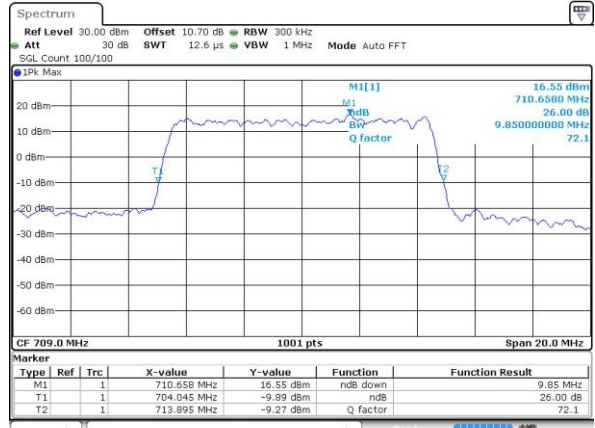
LTE Band 17

Lowest Channel / 5MHz / 64QAM



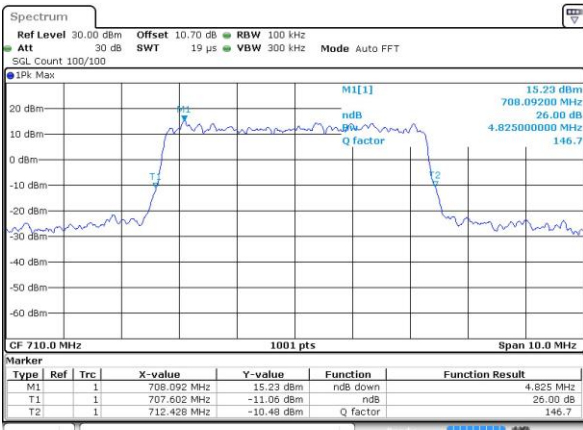
Date: 17.OCT.2018 12:10:05

Lowest Channel / 10MHz / 64QAM



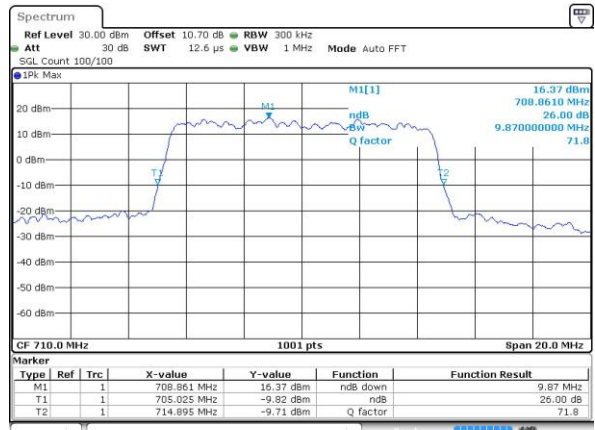
Date: 17.OCT.2018 12:18:24

Middle Channel / 5MHz / 64QAM



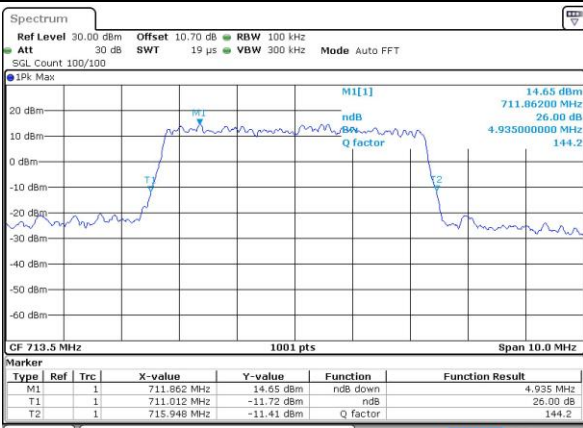
Date: 17.OCT.2018 12:13:38

Middle Channel / 10MHz / 64QAM



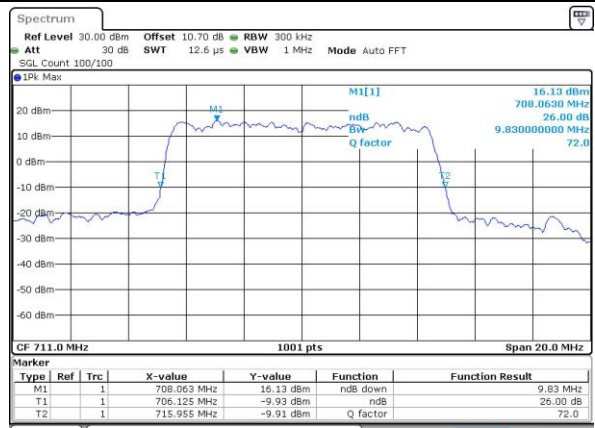
Date: 17.OCT.2018 12:21:57

Highest Channel / 5MHz / 64QAM



Date: 17.OCT.2018 12:14:51

Highest Channel / 10MHz / 64QAM



Date: 17.OCT.2018 12:23:10



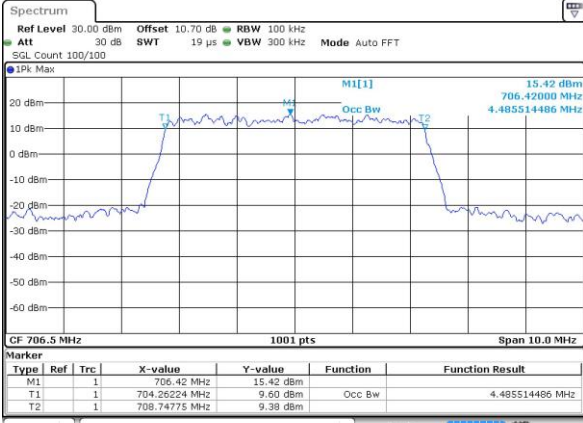
Occupied Bandwidth

Mode BW Mod.	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.51	9.07	9.03	-	-	-	-
Middle CH	-	-	-	-	4.5	4.52	9.01	9.03	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	9.01	8.97	-	-	-	-
Mode BW Mod.	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	9.03	-	-	-	-	-
Middle CH	-	-	-	-	4.48	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	9.03	-	-	-	-	-



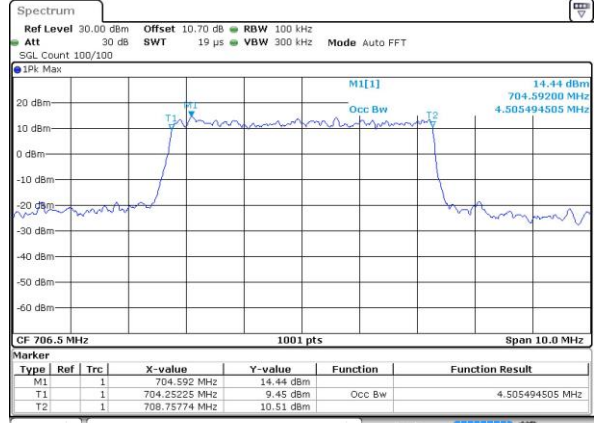
LTE Band 17

Lowest Channel / 5MHz / QPSK



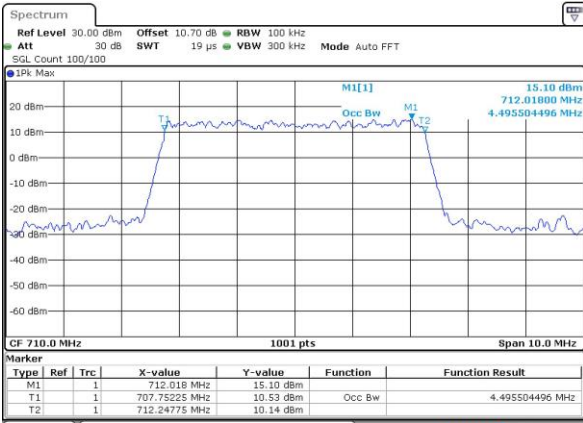
Date: 17.OCT.2018 11:36:36

Lowest Channel / 5MHz / 16QAM



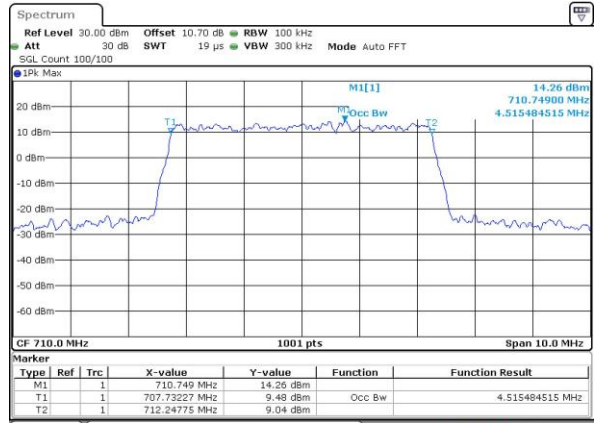
Date: 17.OCT.2018 11:36:48

Middle Channel / 5MHz / QPSK



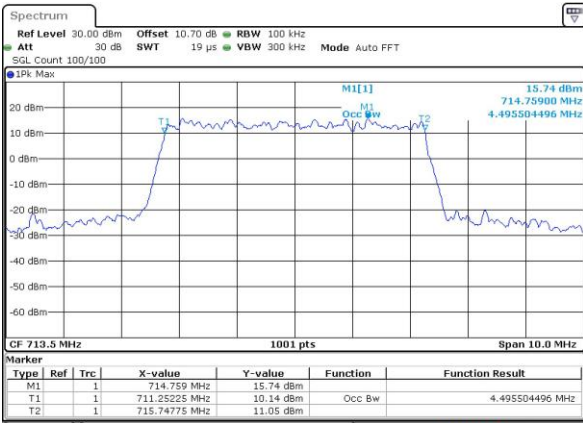
Date: 17.OCT.2018 11:43:42

Middle Channel / 5MHz / 16QAM



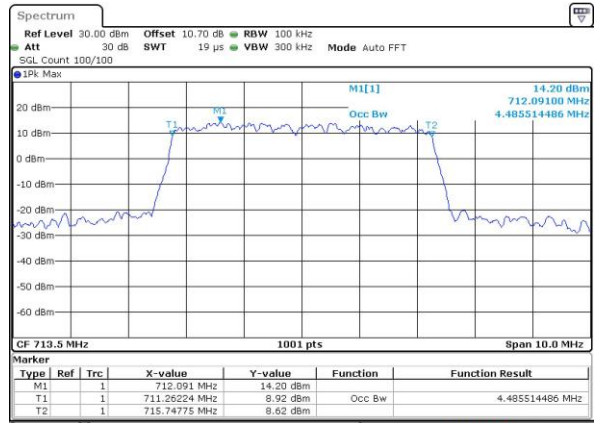
Date: 17.OCT.2018 11:43:54

Highest Channel / 5MHz / QPSK



Date: 17.OCT.2018 11:46:08

Highest Channel / 5MHz / 16QAM

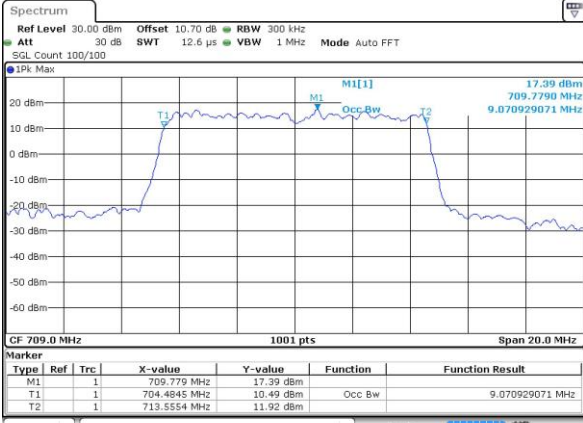


Date: 17.OCT.2018 11:46:20



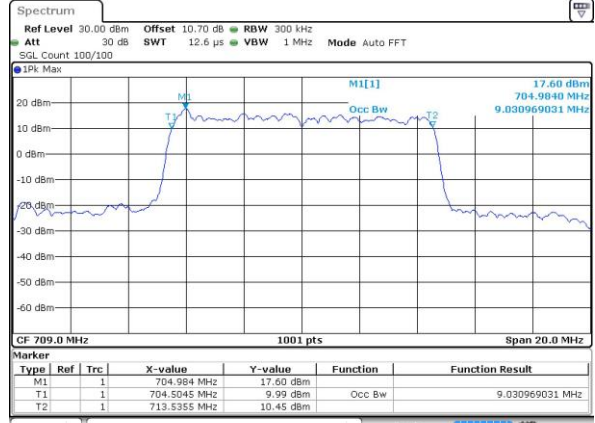
LTE Band 17

Lowest Channel / 10MHz / QPSK



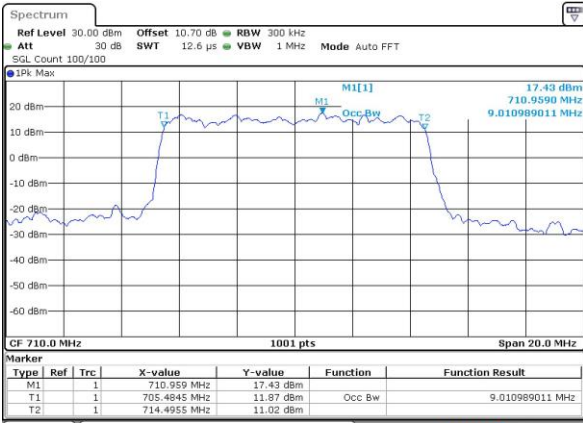
Date: 17.OCT.2018 11:53:15

Lowest Channel / 10MHz / 16QAM



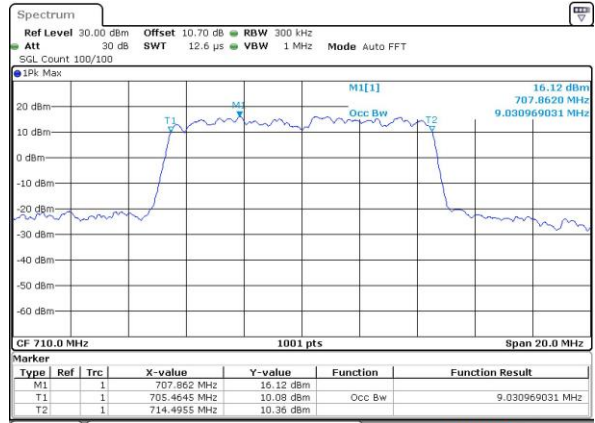
Date: 17.OCT.2018 11:53:26

Middle Channel / 10MHz / QPSK



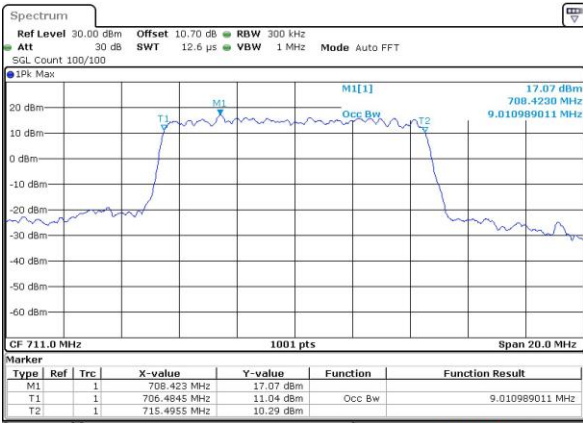
Date: 17.OCT.2018 12:00:21

Middle Channel / 10MHz / 16QAM



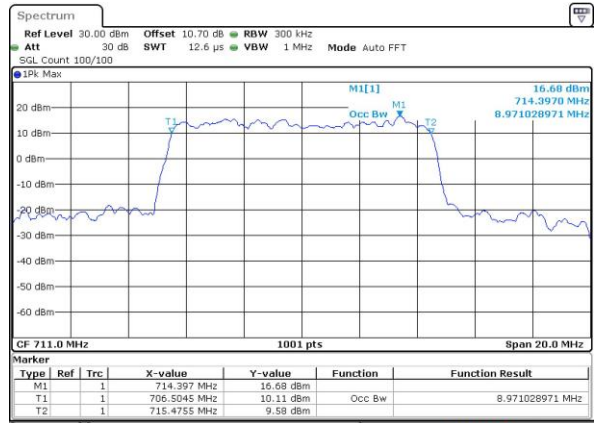
Date: 17.OCT.2018 12:00:33

Highest Channel / 10MHz / QPSK



Date: 17.OCT.2018 12:02:47

Highest Channel / 10MHz / 16QAM

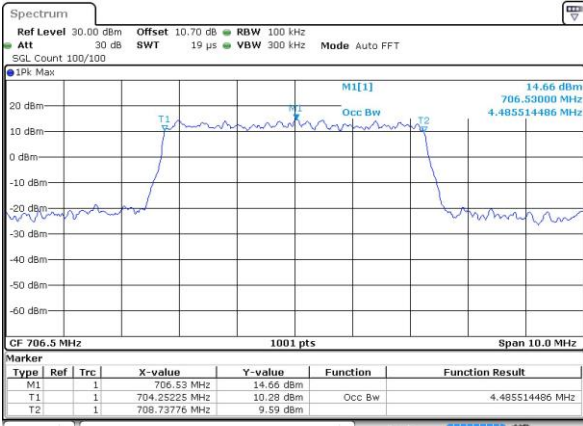


Date: 17.OCT.2018 12:02:58



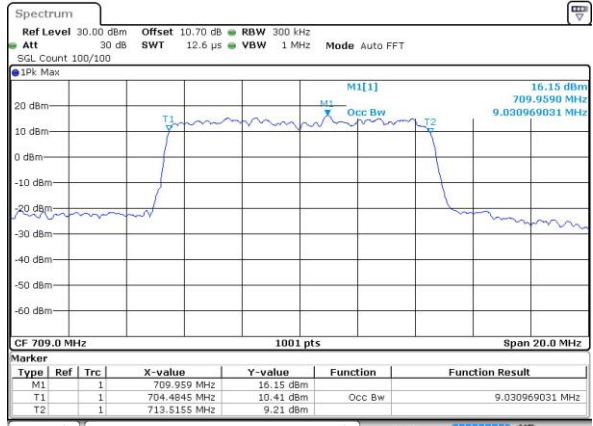
LTE Band 17

Lowest Channel / 5MHz / 64QAM



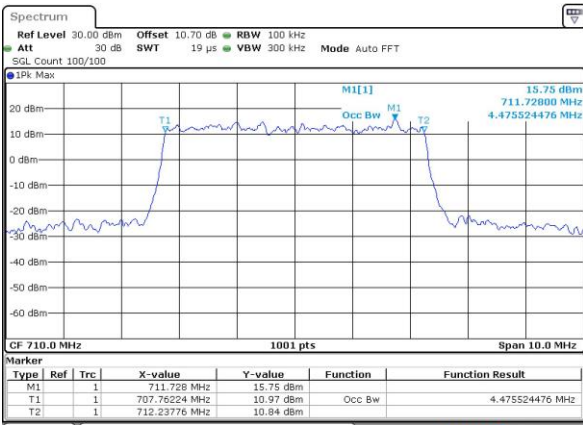
Date: 17.OCT.2018 12:09:53

Lowest Channel / 10MHz / 64QAM



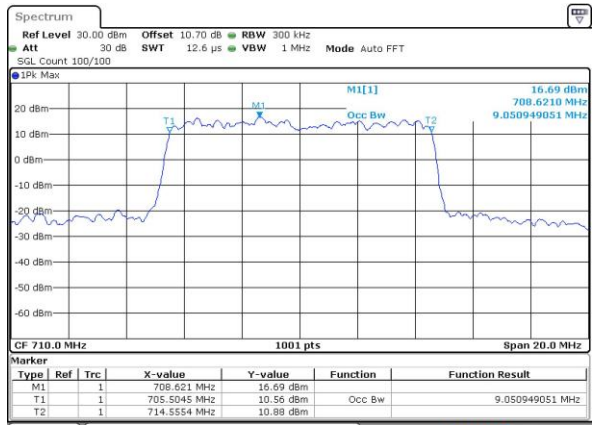
Date: 17.OCT.2018 12:18:13

Middle Channel / 5MHz / 64QAM



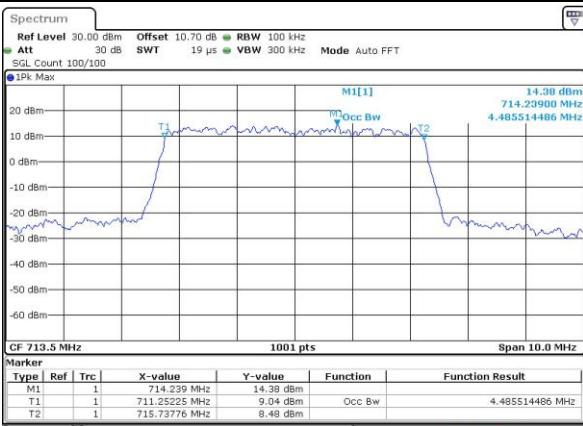
Date: 17.OCT.2018 12:13:28

Middle Channel / 10MHz / 64QAM



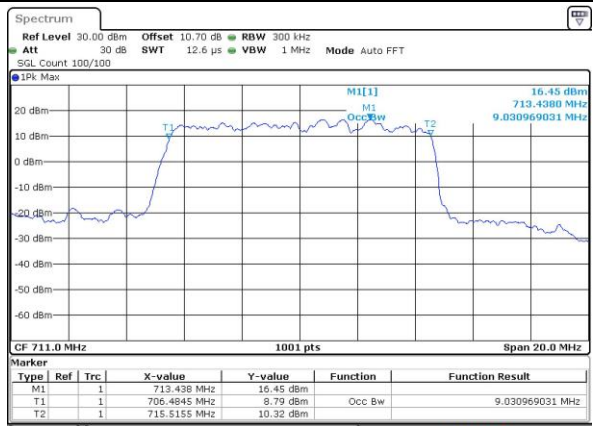
Date: 17.OCT.2018 12:21:46

Highest Channel / 5MHz / 64QAM



Date: 17.OCT.2018 12:14:39

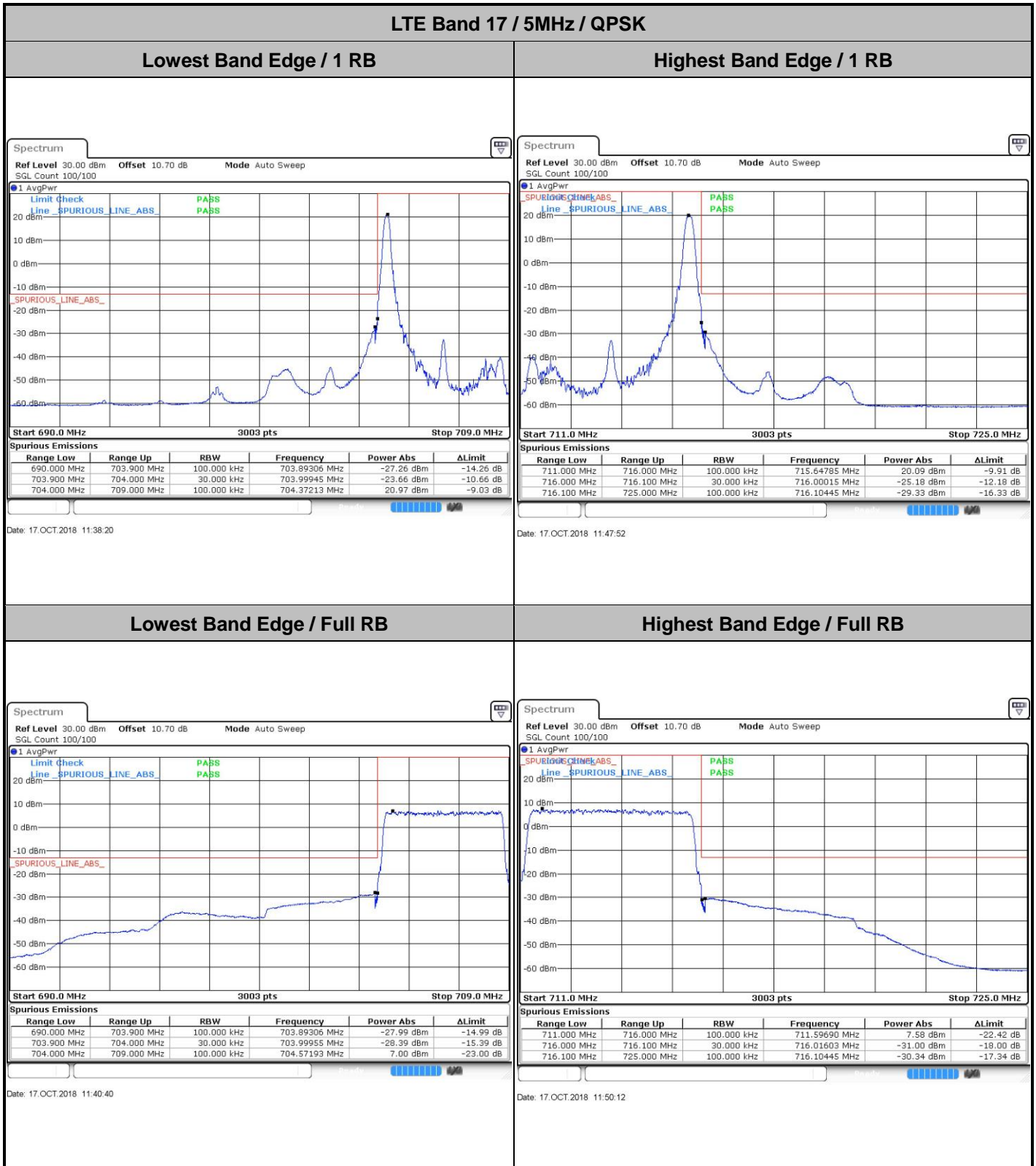
Highest Channel / 10MHz / 64QAM



Date: 17.OCT.2018 12:22:59



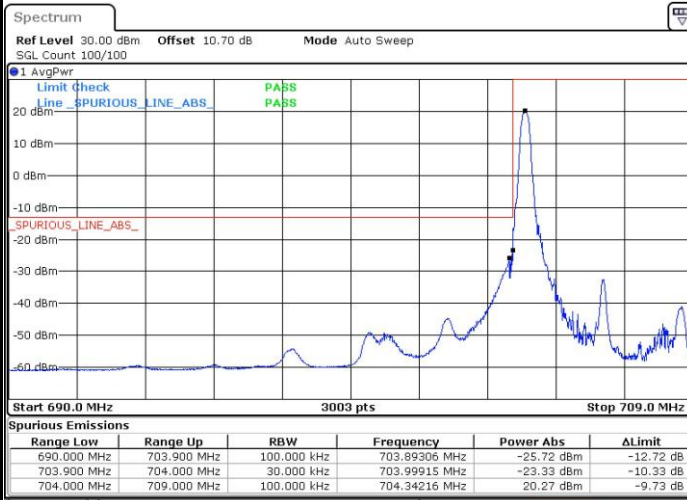
Conducted Band Edge





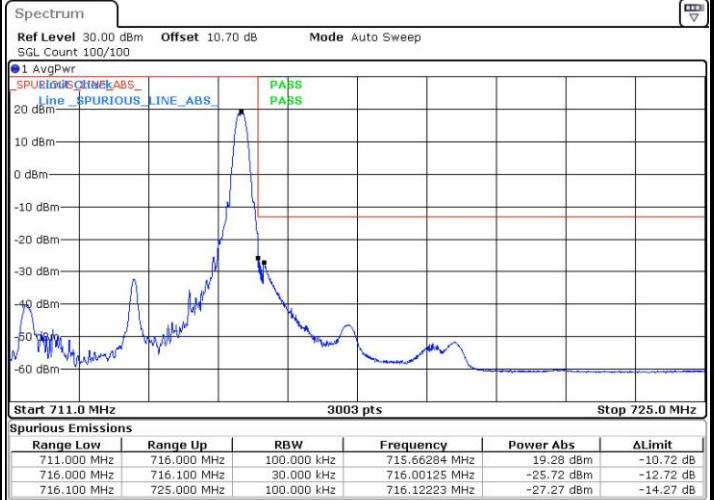
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



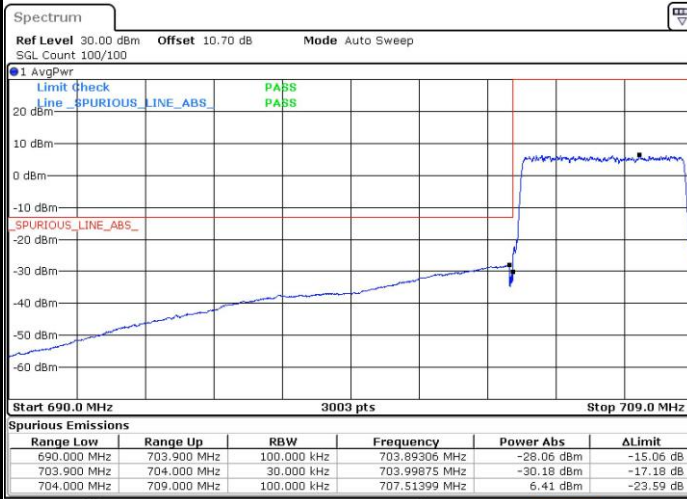
Date: 17.OCT.2018 11:39:30

Highest Band Edge / 1 RB



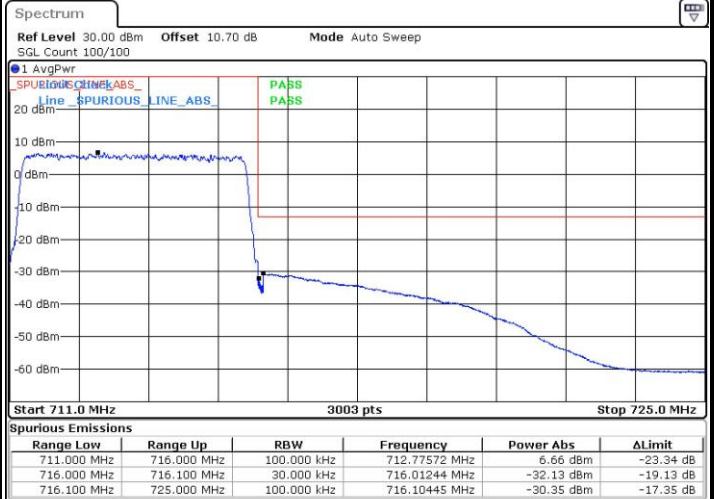
Date: 17.OCT.2018 11:49:02

Lowest Band Edge / Full RB



Date: 17.OCT.2018 11:41:50

Highest Band Edge / Full RB

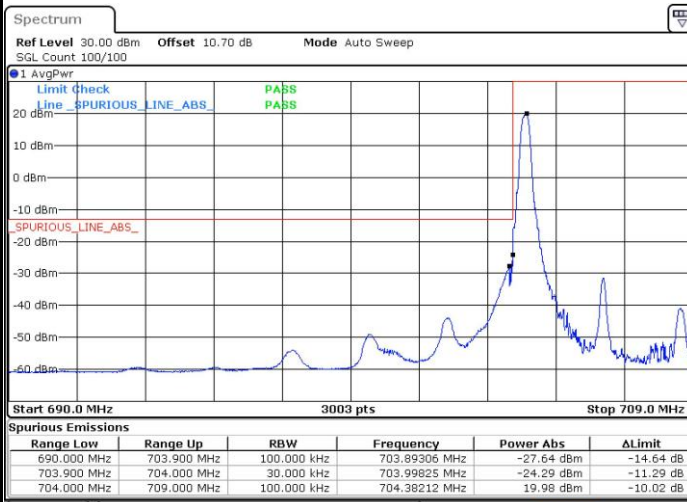


Date: 17.OCT.2018 11:51:22



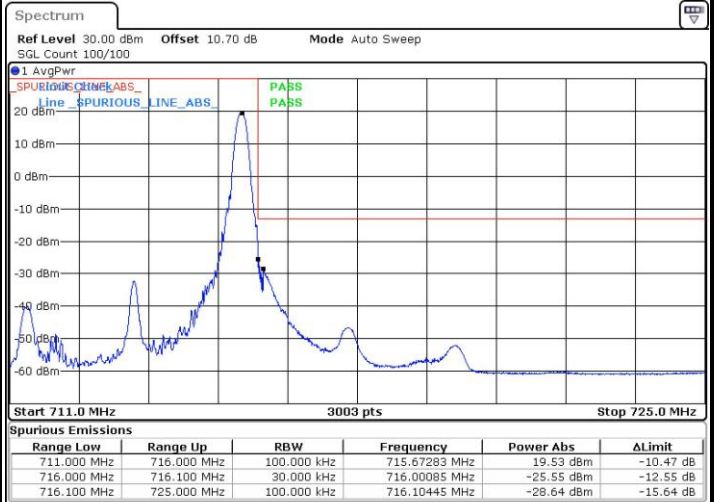
LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



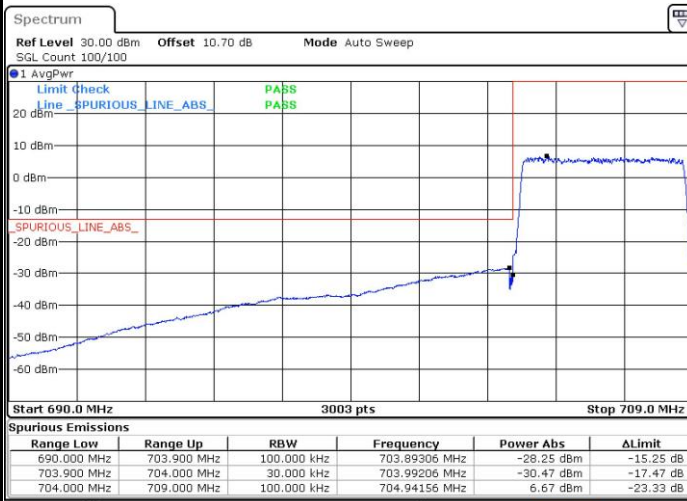
Date: 17.OCT.2018 12:11:14

Highest Band Edge / 1 RB



Date: 17.OCT.2018 12:16:00

Lowest Band Edge / Full RB



Date: 17.OCT.2018 12:12:24

Highest Band Edge / Full RB

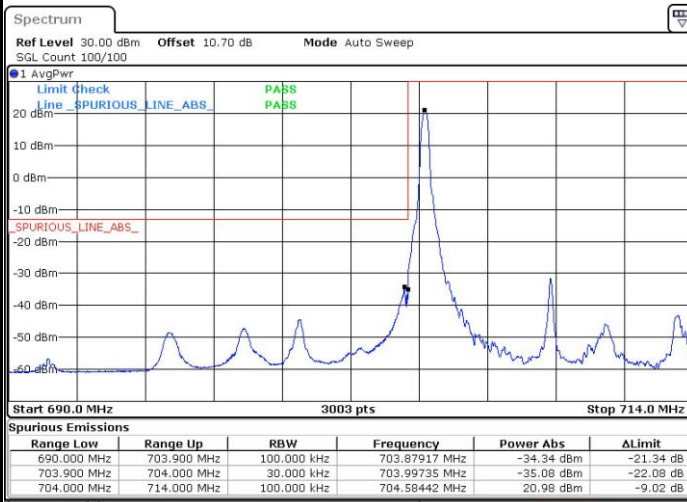


Date: 17.OCT.2018 12:17:10



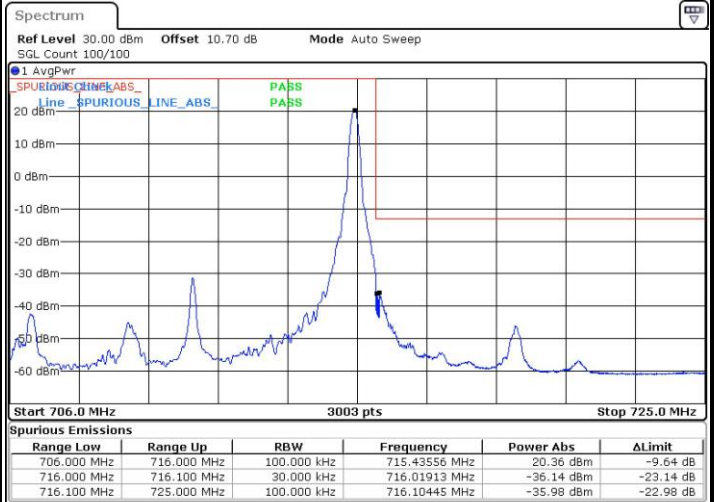
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



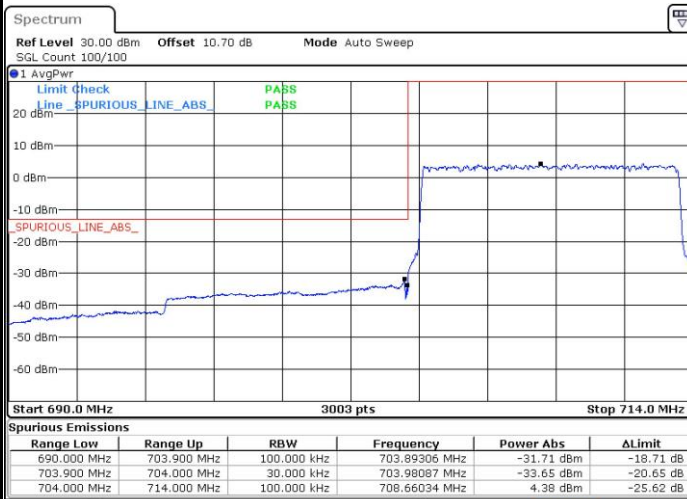
Date: 17.OCT.2018 11:54:59

Highest Band Edge / 1 RB



Date: 17.OCT.2018 12:04:31

Lowest Band Edge / Full RB



Date: 17.OCT.2018 11:57:19

Highest Band Edge / Full RB

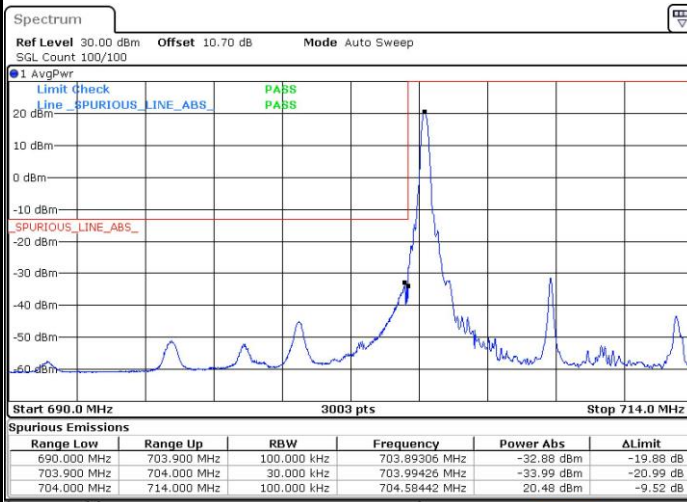


Date: 17.OCT.2018 12:06:51



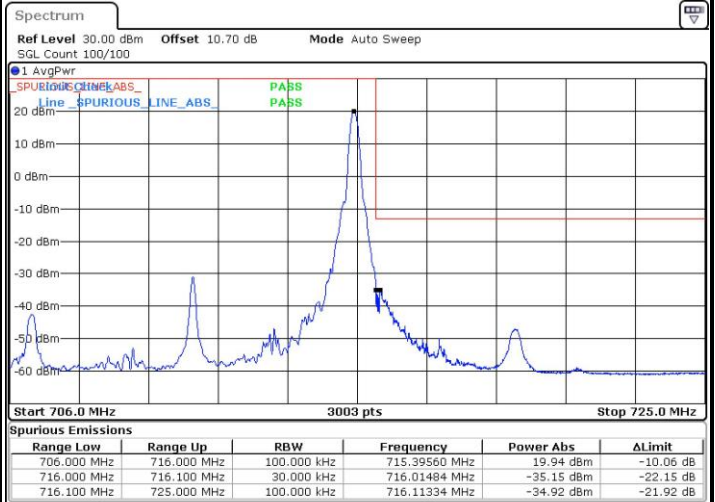
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



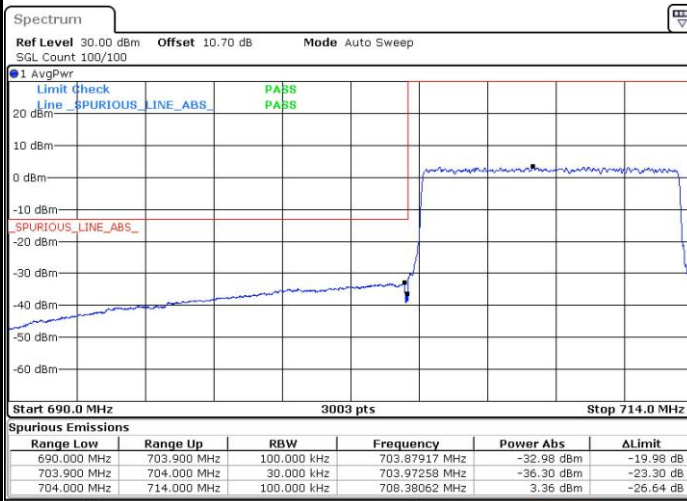
Date: 17.OCT.2018 11:56:09

Highest Band Edge / 1 RB



Date: 17.OCT.2018 12:05:41

Lowest Band Edge / Full RB



Date: 17.OCT.2018 11:58:29

Highest Band Edge / Full RB



Date: 17.OCT.2018 12:08:01