

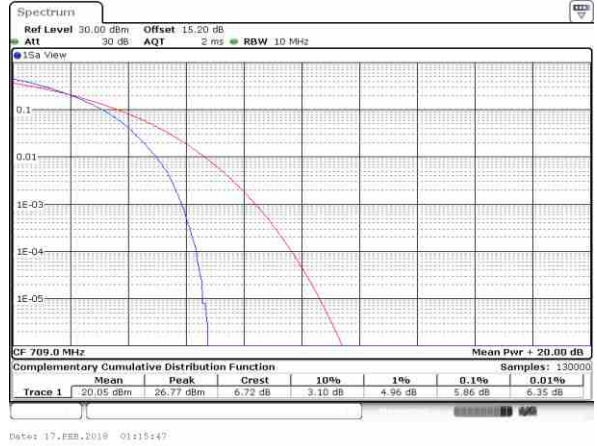


LTE Band 17 / 10MHz / 64QAM

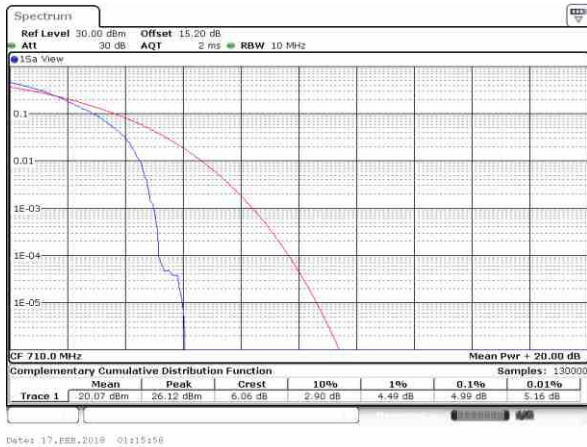
Lowest Channel / 1RB



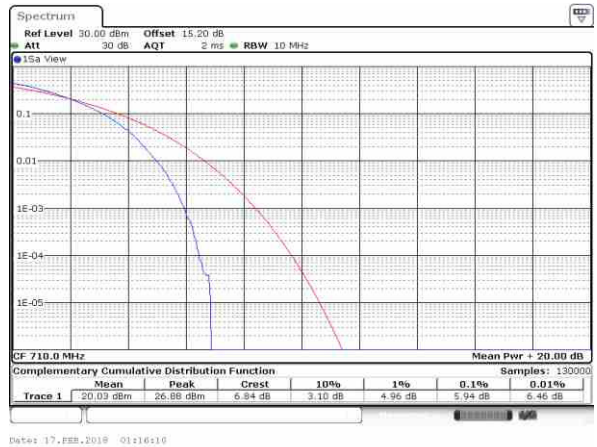
Lowest Channel / Full RB



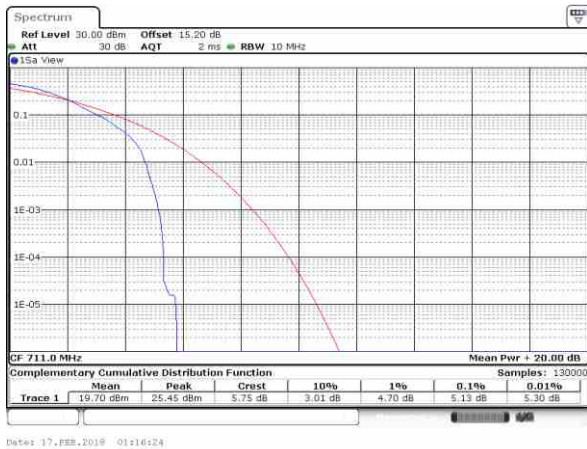
Middle Channel / 1RB



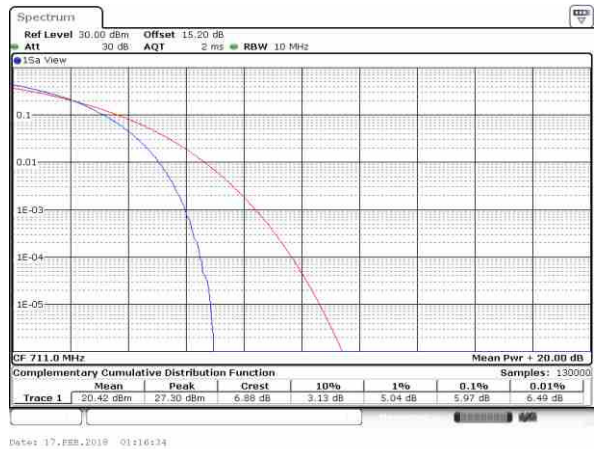
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





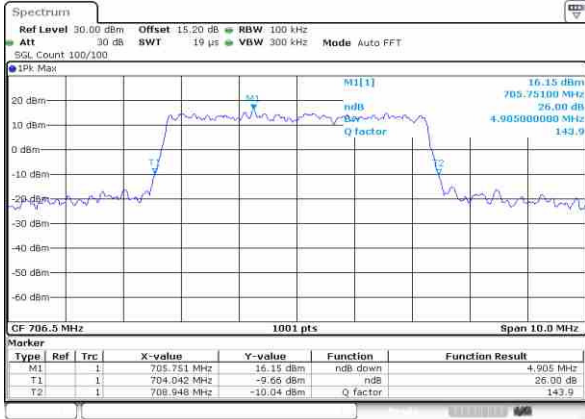
26dB Bandwidth

Mode	LTE Band 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	-	-	-	-	4.91	4.89	9.95	10.11	-	-	-	-
Middle CH	-	-	-	-	4.98	4.93	9.87	9.93	-	-	-	-
Highest CH	-	-	-	-	4.96	4.91	9.75	10.01	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.94	-	9.99	-	-	-	-	-
Middle CH	-	-	-	-	4.91	-	9.87	-	-	-	-	-
Highest CH	-	-	-	-	4.89	-	9.79	-	-	-	-	-



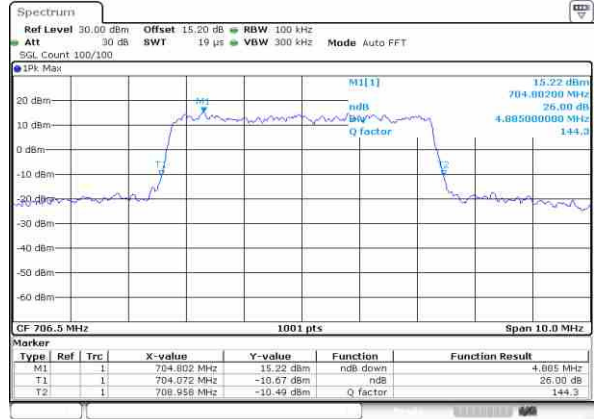
LTE Band 17

Lowest Channel / 5MHz / QPSK



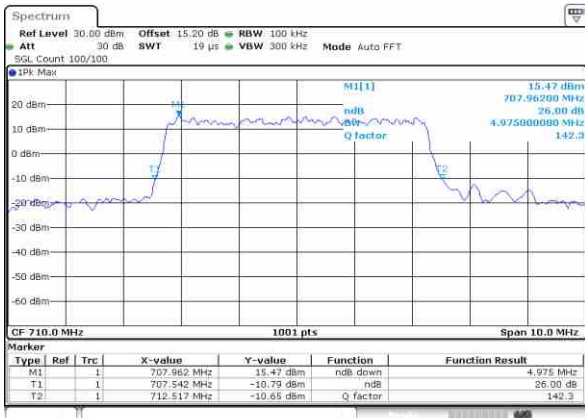
Date: 17.FEB.2018 00:16:20

Lowest Channel / 5MHz / 16QAM



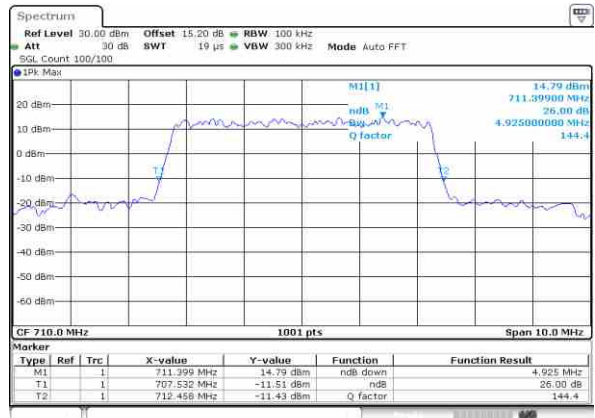
Date: 17.FEB.2018 00:21:31

Middle Channel / 5MHz / QPSK



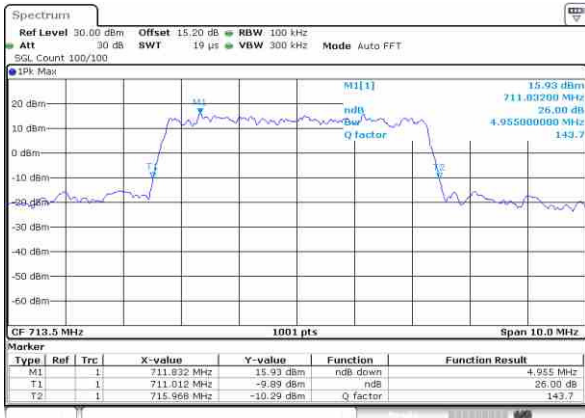
Date: 17.FEB.2018 00:23:16

Middle Channel / 5MHz / 16QAM



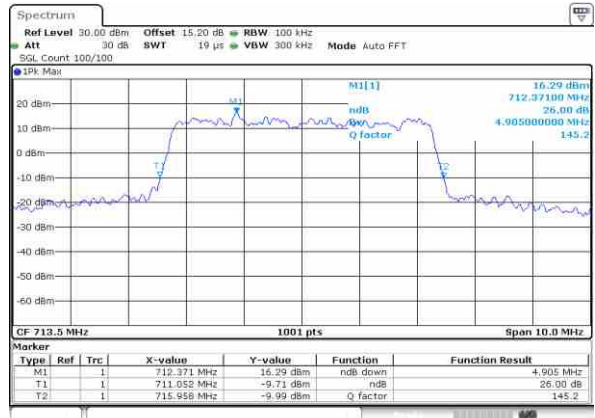
Date: 17.FEB.2018 00:23:47

Highest Channel / 5MHz / QPSK



Date: 17.FEB.2018 00:26:17

Highest Channel / 5MHz / 16QAM

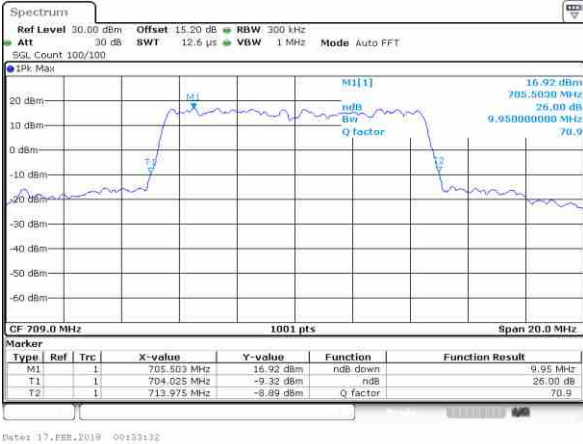


Date: 17.FEB.2018 00:26:28

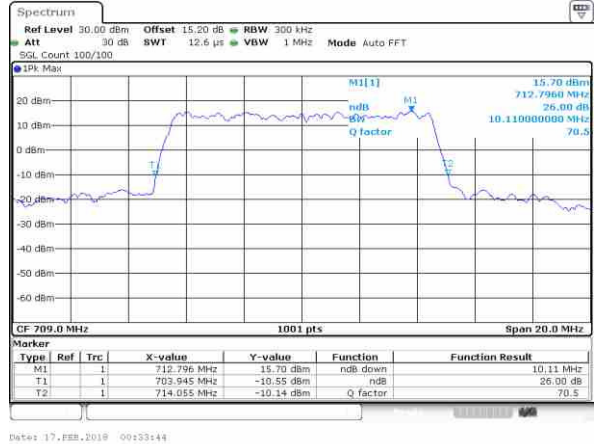


LTE Band 17

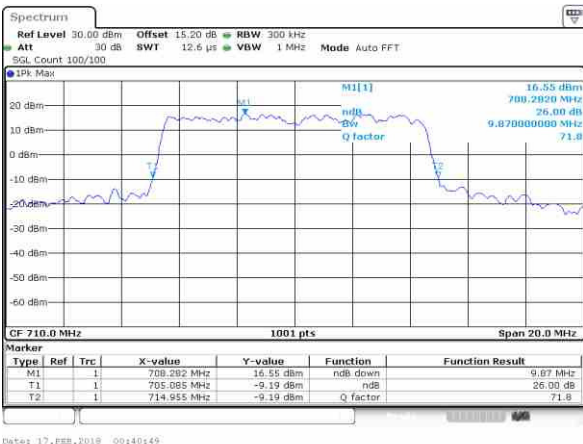
Lowest Channel / 10MHz / QPSK



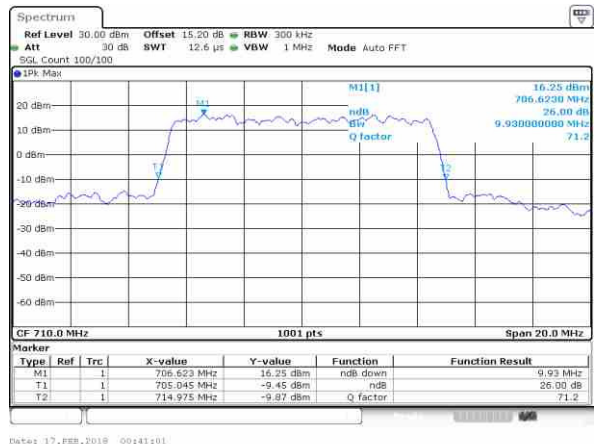
Lowest Channel / 10MHz / 16QAM



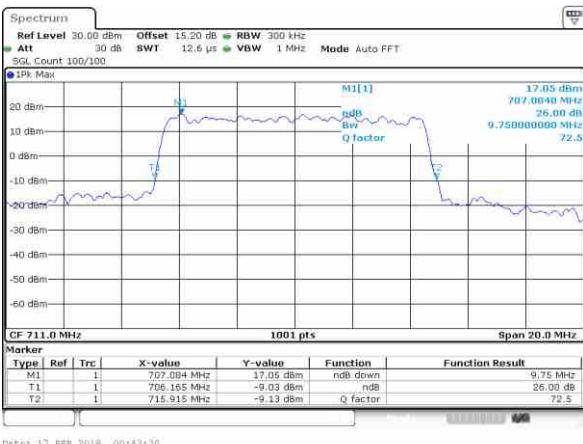
Middle Channel / 10MHz / QPSK



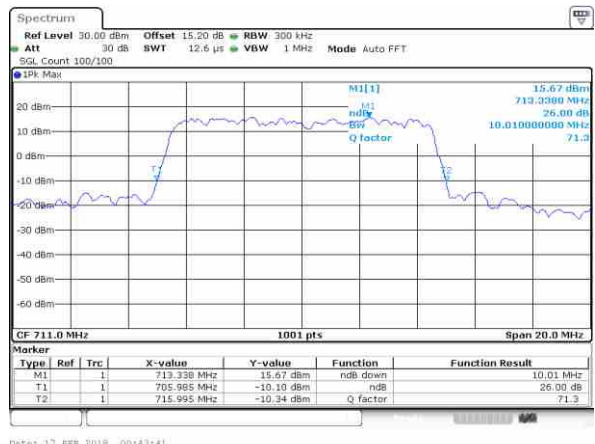
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



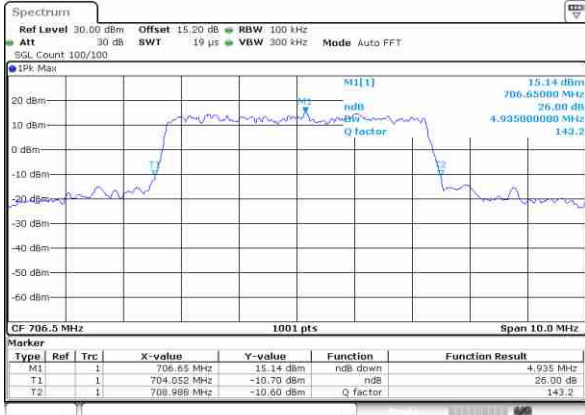
Highest Channel / 10MHz / 16QAM





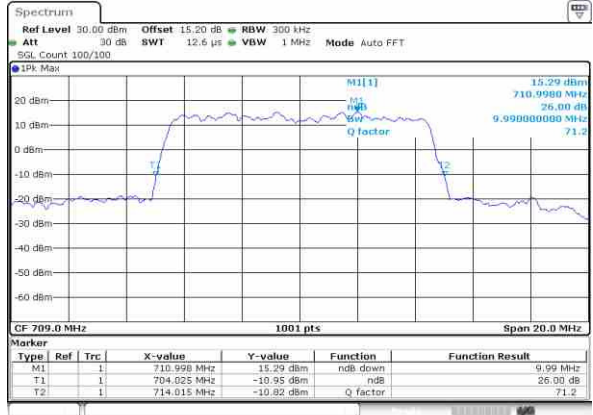
LTE Band 17

Lowest Channel / 5MHz / 64QAM



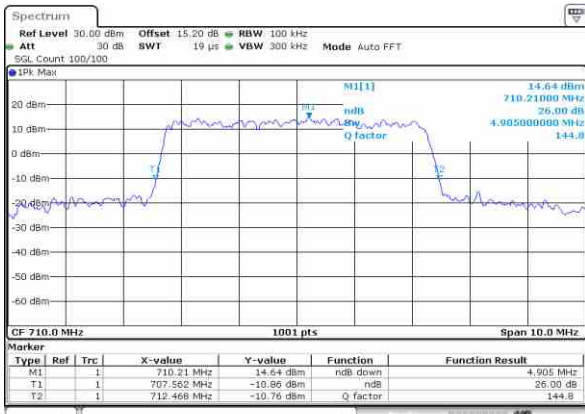
Date: 17.FEB.2019 00:58:59

Lowest Channel / 10MHz / 64QAM



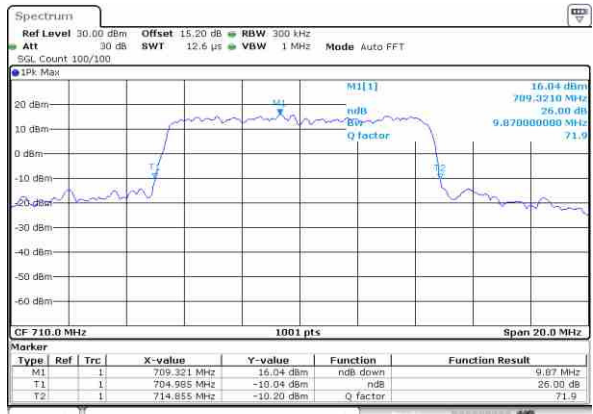
Date: 17.FEB.2019 01:07:32

Middle Channel / 5MHz / 64QAM



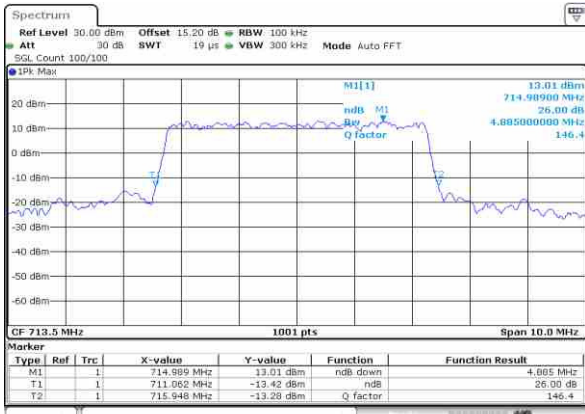
Date: 17.FEB.2019 01:02:33

Middle Channel / 10MHz / 64QAM



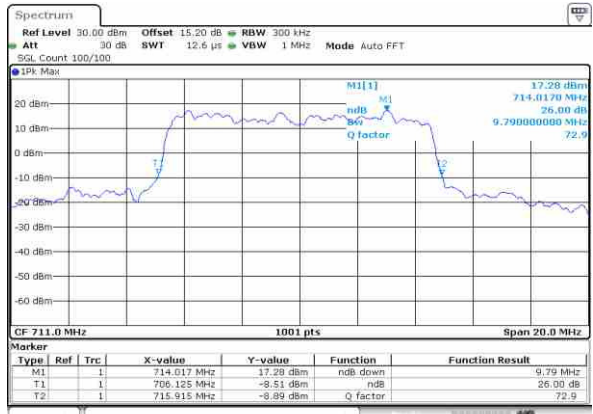
Date: 17.FEB.2019 01:10:01

Highest Channel / 5MHz / 64QAM



Date: 17.FEB.2019 01:03:53

Highest Channel / 10MHz / 64QAM



Date: 17.FEB.2019 01:11:21



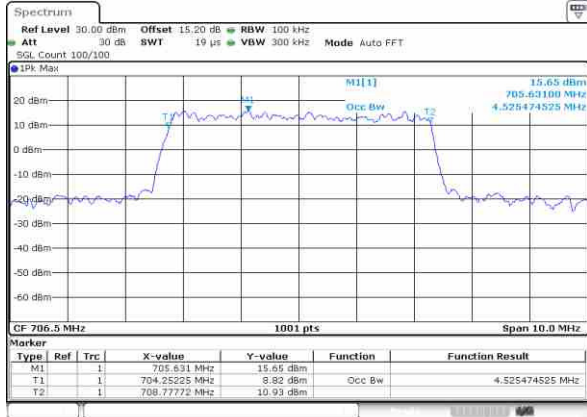
Occupied Bandwidth

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	-	-	-	-	4.53	4.49	9.03	9.01	-	-	-	-
Middle CH	-	-	-	-	4.50	4.50	9.07	9.05	-	-	-	-
Highest CH	-	-	-	-	4.48	4.50	9.07	9.05	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	9.03	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	9.09	-	-	-	-	-
Highest CH	-	-	-	-	4.53	-	9.07	-	-	-	-	-



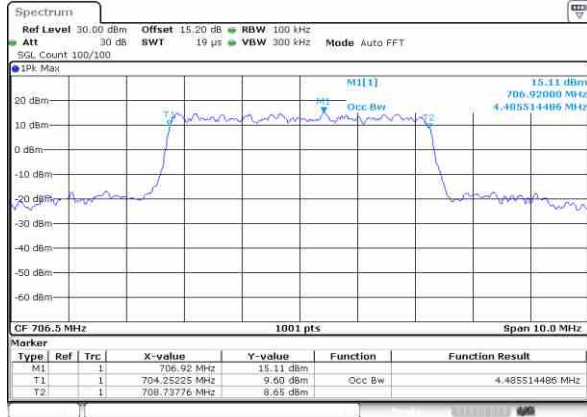
LTE Band 17

Lowest Channel / 5MHz / QPSK



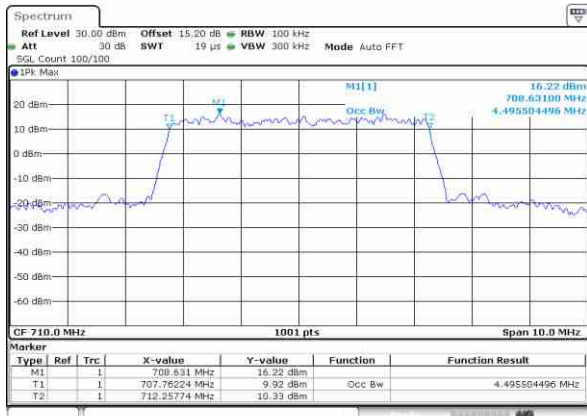
Date: 17.FEB.2018 00:15:57

Lowest Channel / 5MHz / 16QAM



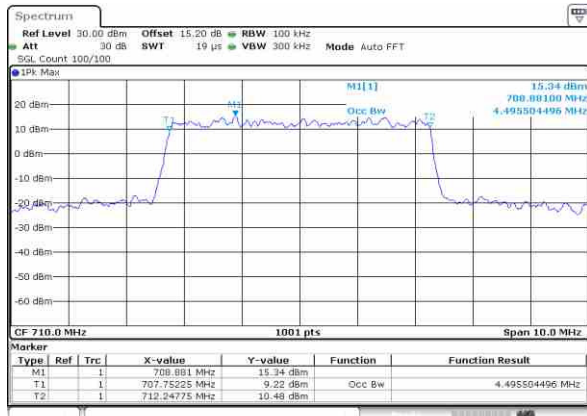
Date: 17.FEB.2018 00:16:08

Middle Channel / 5MHz / QPSK



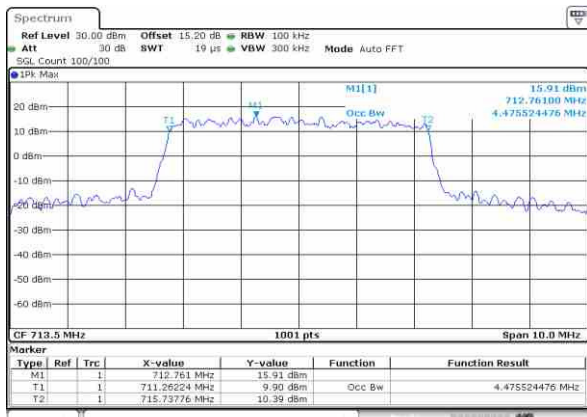
Date: 17.FEB.2018 00:23:13

Middle Channel / 5MHz / 16QAM



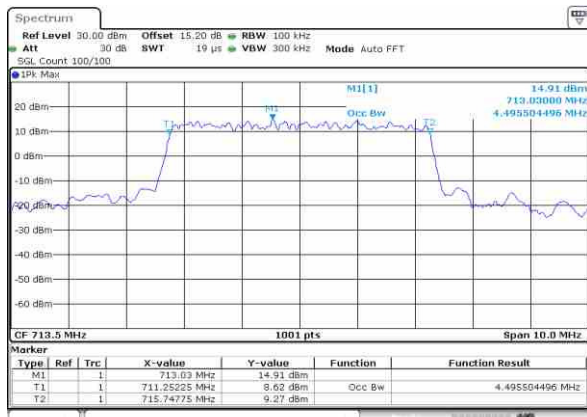
Date: 17.FEB.2018 00:23:25

Highest Channel / 5MHz / QPSK



Date: 17.FEB.2018 00:25:54

Highest Channel / 5MHz / 16QAM

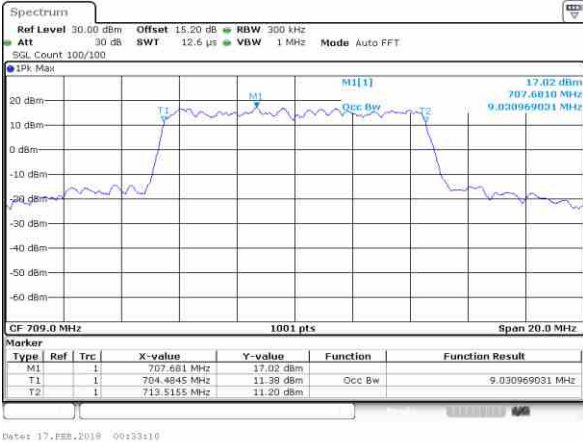


Date: 17.FEB.2018 00:26:05



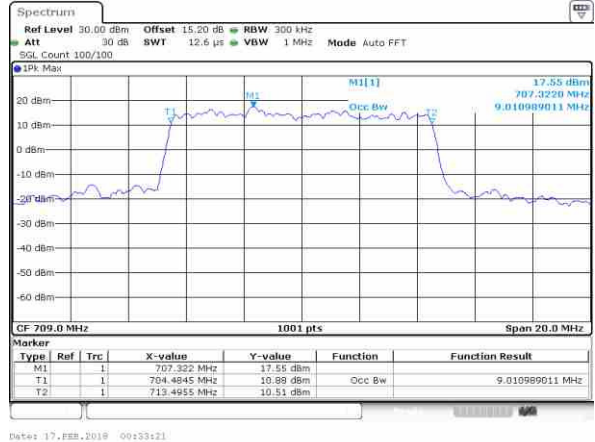
LTE Band 17

Lowest Channel / 10MHz / QPSK



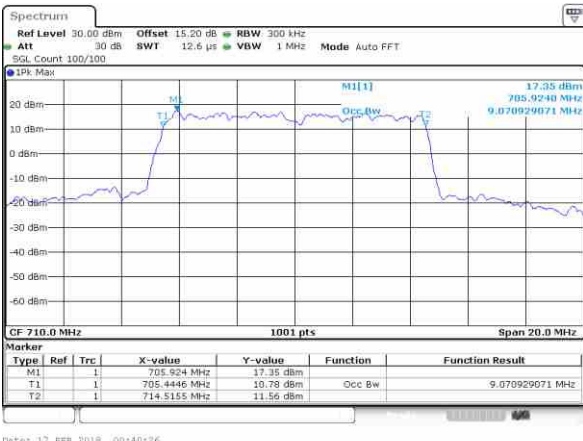
Date: 17.FEB.2018 00:53:10

Lowest Channel / 10MHz / 16QAM



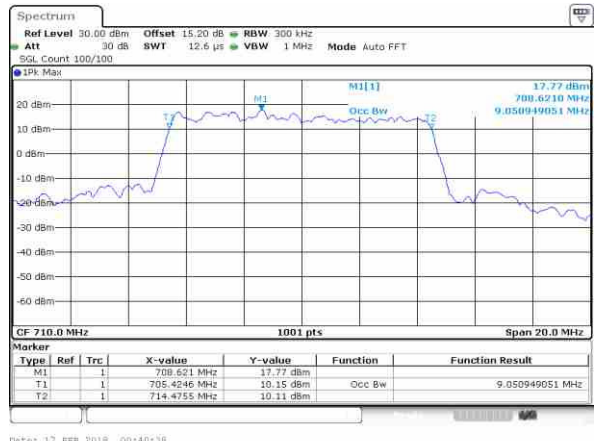
Date: 17.FEB.2018 00:53:21

Middle Channel / 10MHz / QPSK



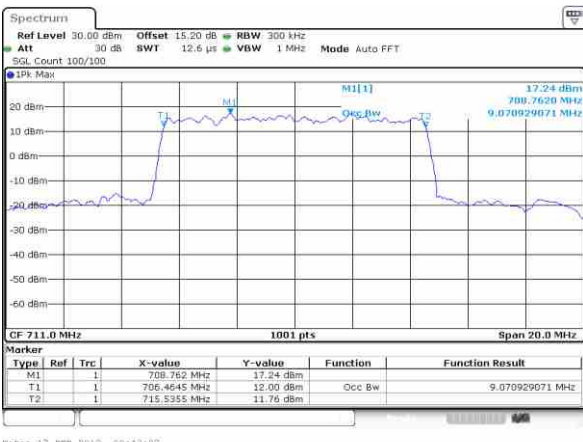
Date: 17.FEB.2018 00:40:26

Middle Channel / 10MHz / 16QAM



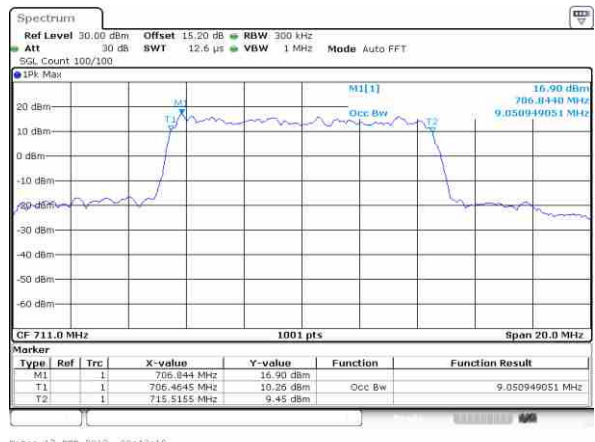
Date: 17.FEB.2018 00:40:36

Highest Channel / 10MHz / QPSK



Date: 17.FEB.2018 00:43:07

Highest Channel / 10MHz / 16QAM

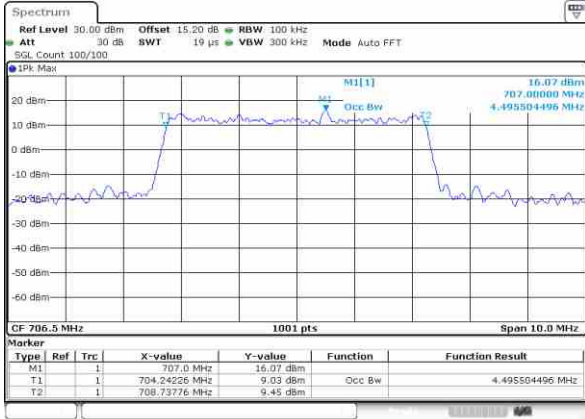


Date: 17.FEB.2018 00:43:19

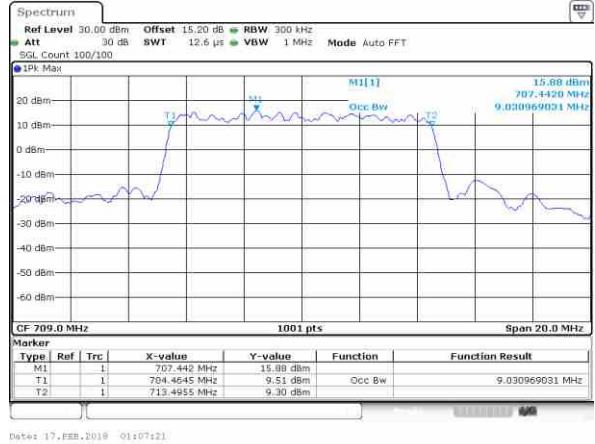


LTE Band 17

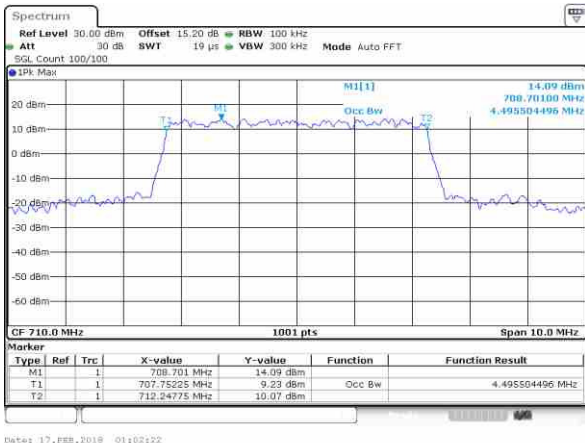
Lowest Channel / 5MHz / 64QAM



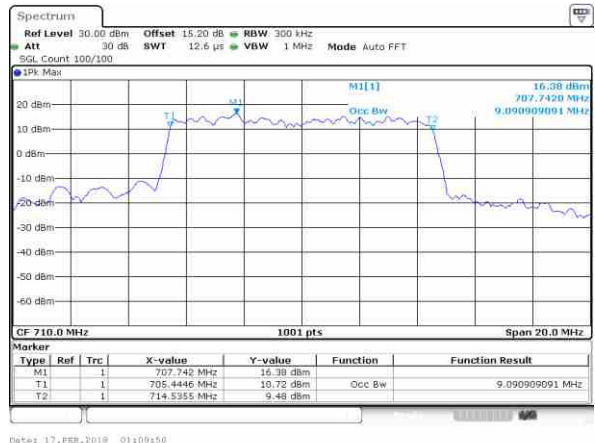
Lowest Channel / 10MHz / 64QAM



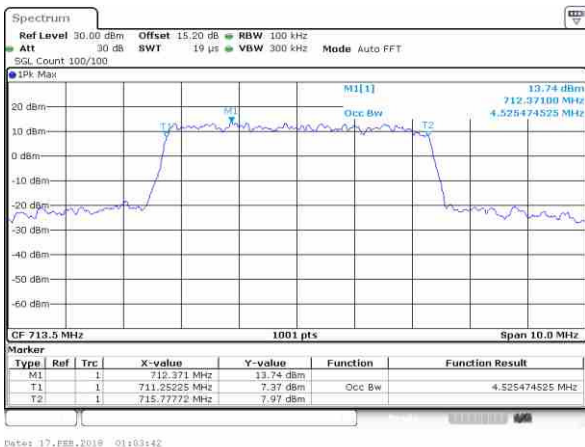
Middle Channel / 5MHz / 64QAM



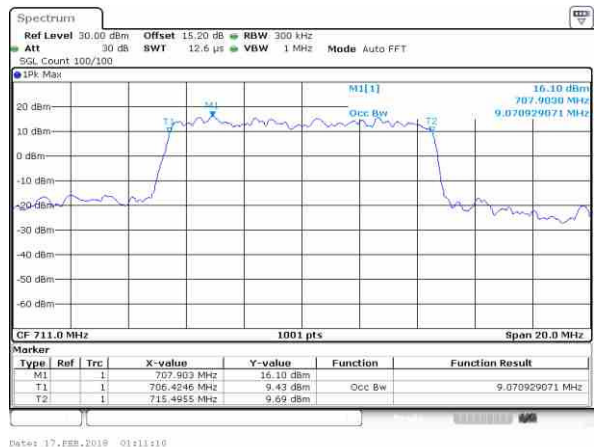
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

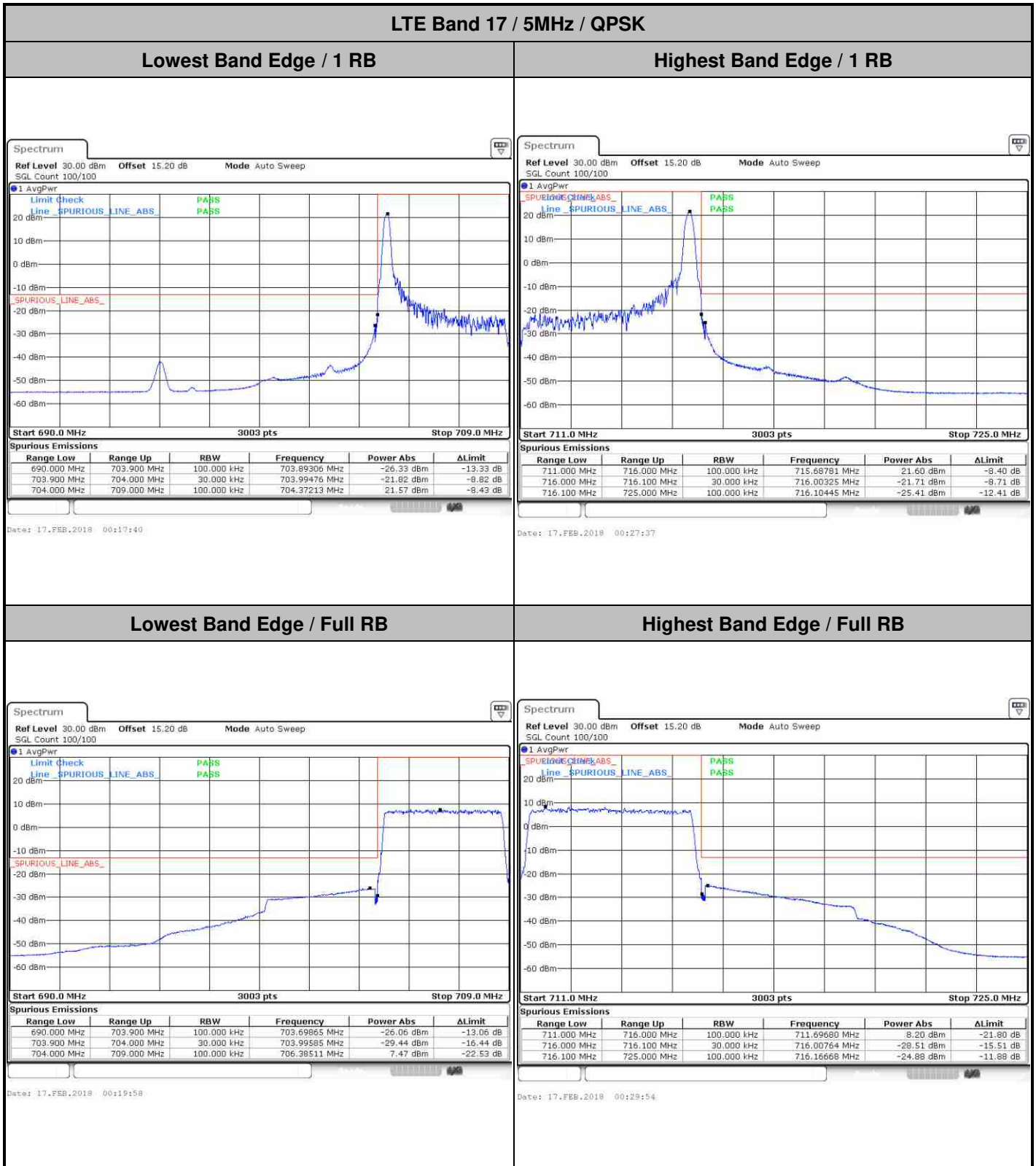


Highest Channel / 10MHz / 64QAM





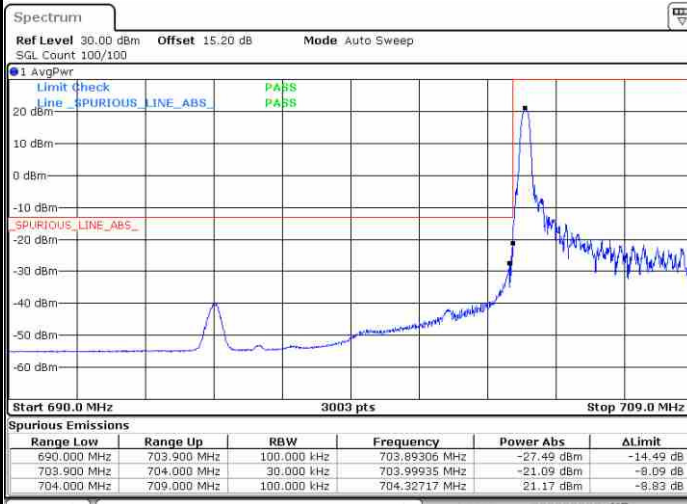
Conducted Band Edge





LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



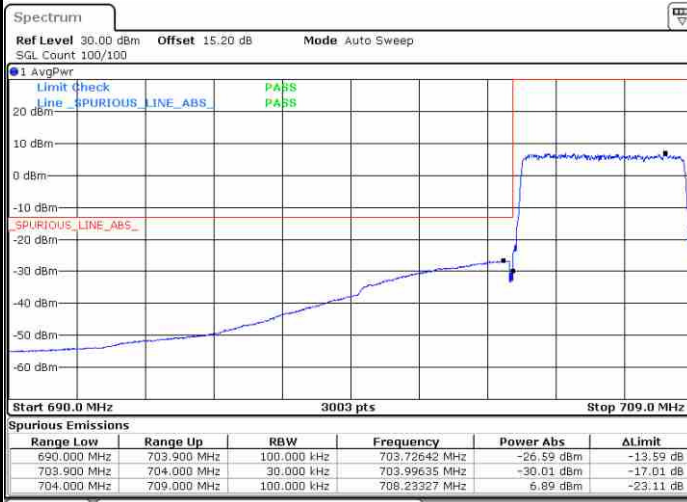
Date: 17.FEB.2018 00:18:49

Highest Band Edge / 1 RB



Date: 17.FEB.2018 00:28:46

Lowest Band Edge / Full RB



Date: 17.FEB.2018 00:21:06

Highest Band Edge / Full RB

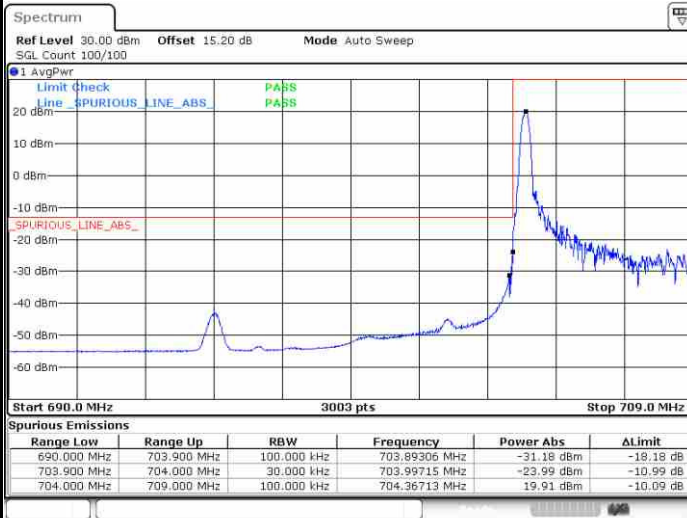


Date: 17.FEB.2018 00:31:03

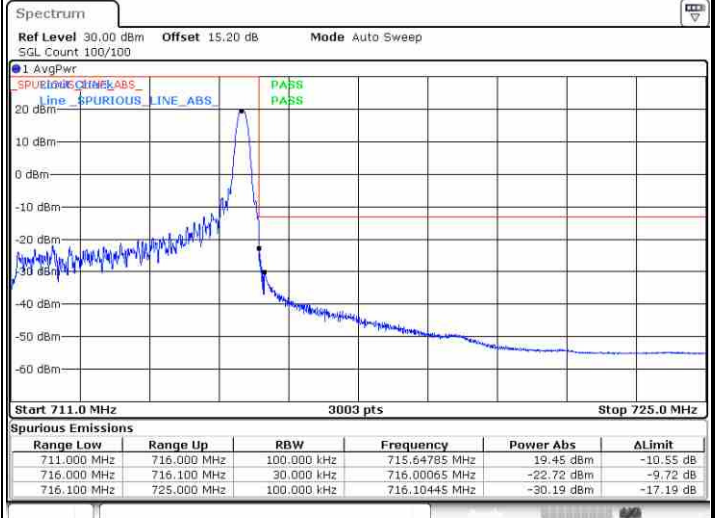


LTE Band 17 / 5MHz / 64QAM

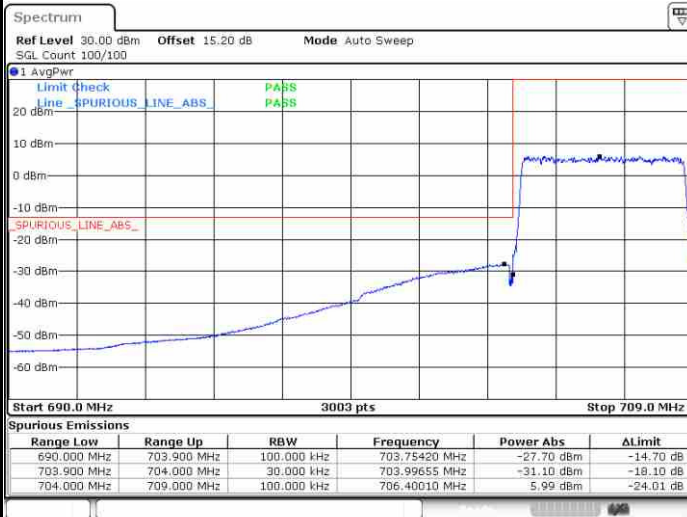
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



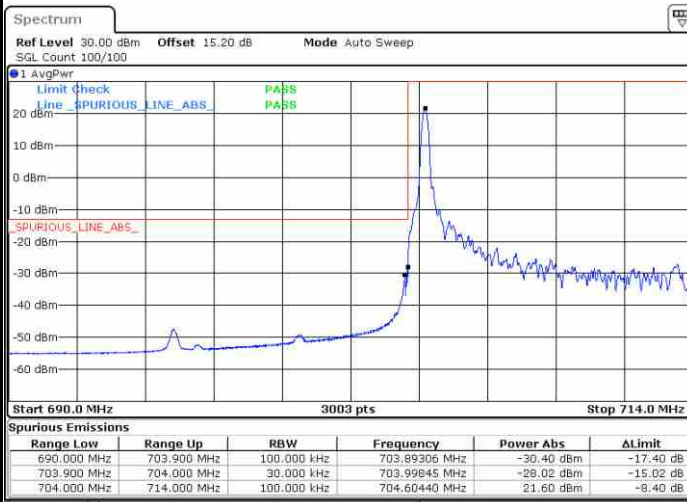
Highest Band Edge / Full RB





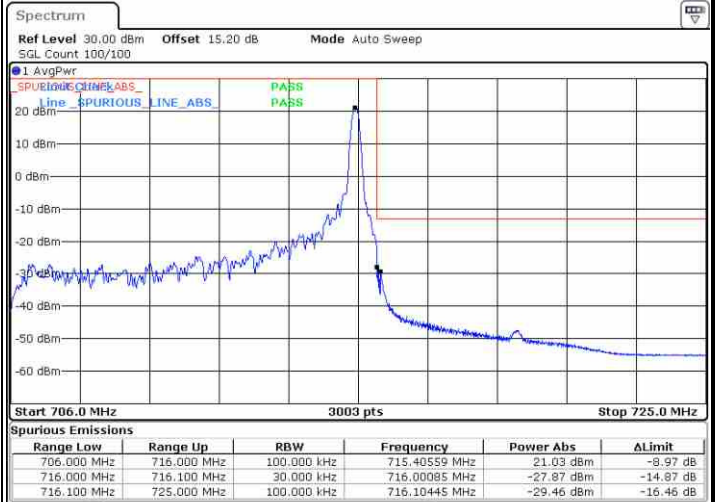
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



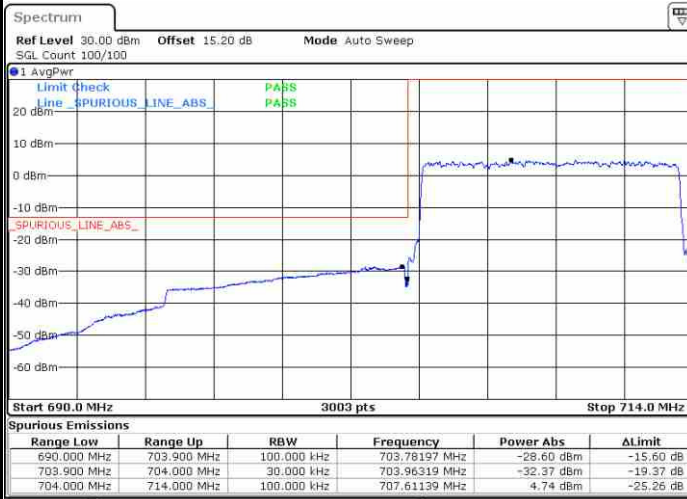
Date: 17.FEB.2018 00:34:53

Highest Band Edge / 1 RB



Date: 17.FEB.2018 00:44:50

Lowest Band Edge / Full RB



Date: 17.FEB.2018 00:37:11

Highest Band Edge / Full RB

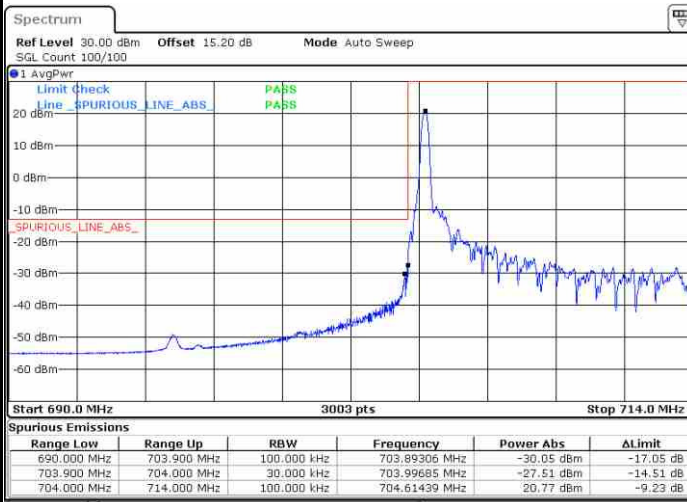


Date: 17.FEB.2018 00:47:08



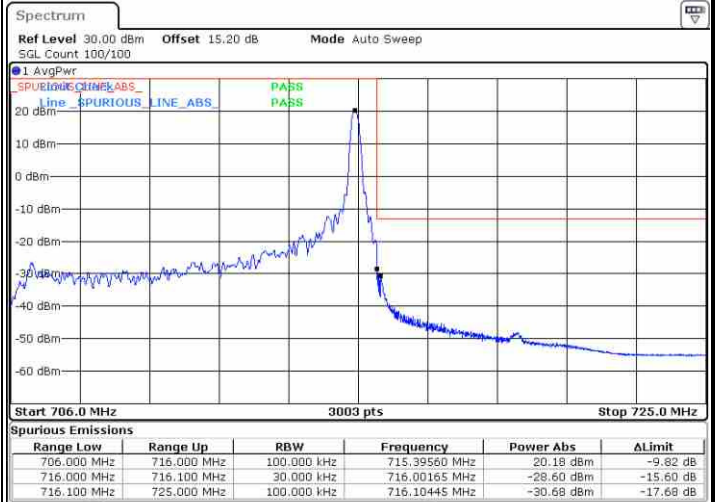
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



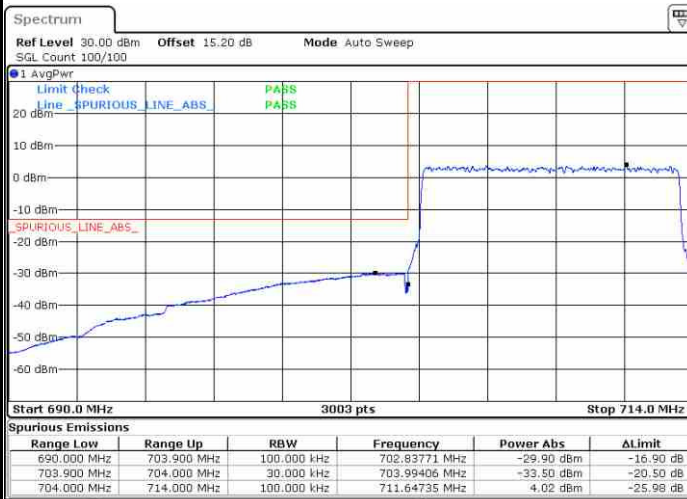
Date: 17.FEB.2018 00:36:02

Highest Band Edge / 1 RB



Date: 17.FEB.2018 00:45:59

Lowest Band Edge / Full RB



Date: 17.FEB.2018 00:38:20

Highest Band Edge / Full RB

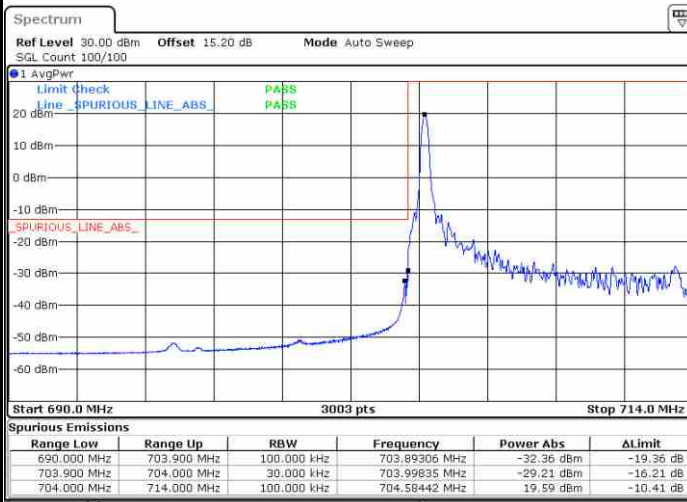


Date: 17.FEB.2018 00:48:17



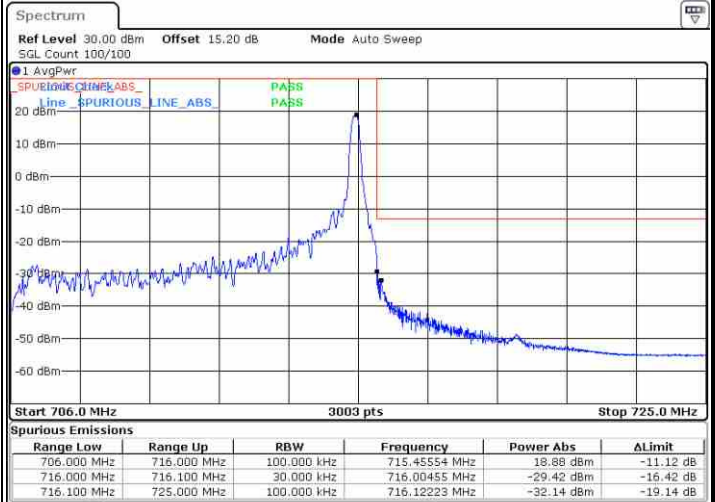
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



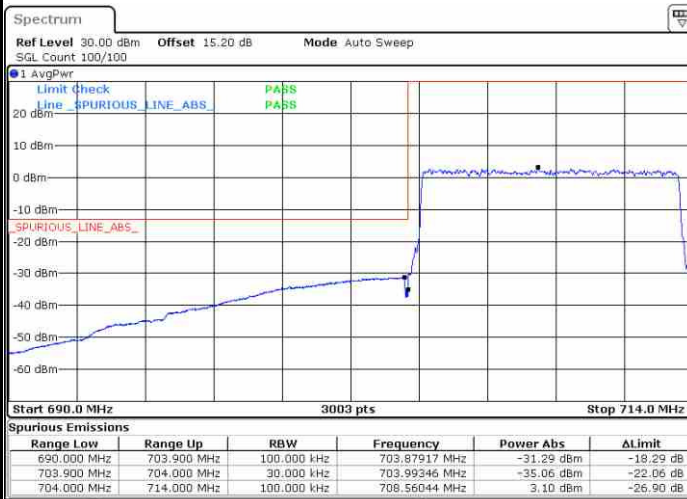
Date: 17.FEB.2018 17:03:49

Highest Band Edge / 1 RB



Date: 17.FEB.2018 01:12:30

Lowest Band Edge / Full RB



Date: 17.FEB.2018 01:08:41

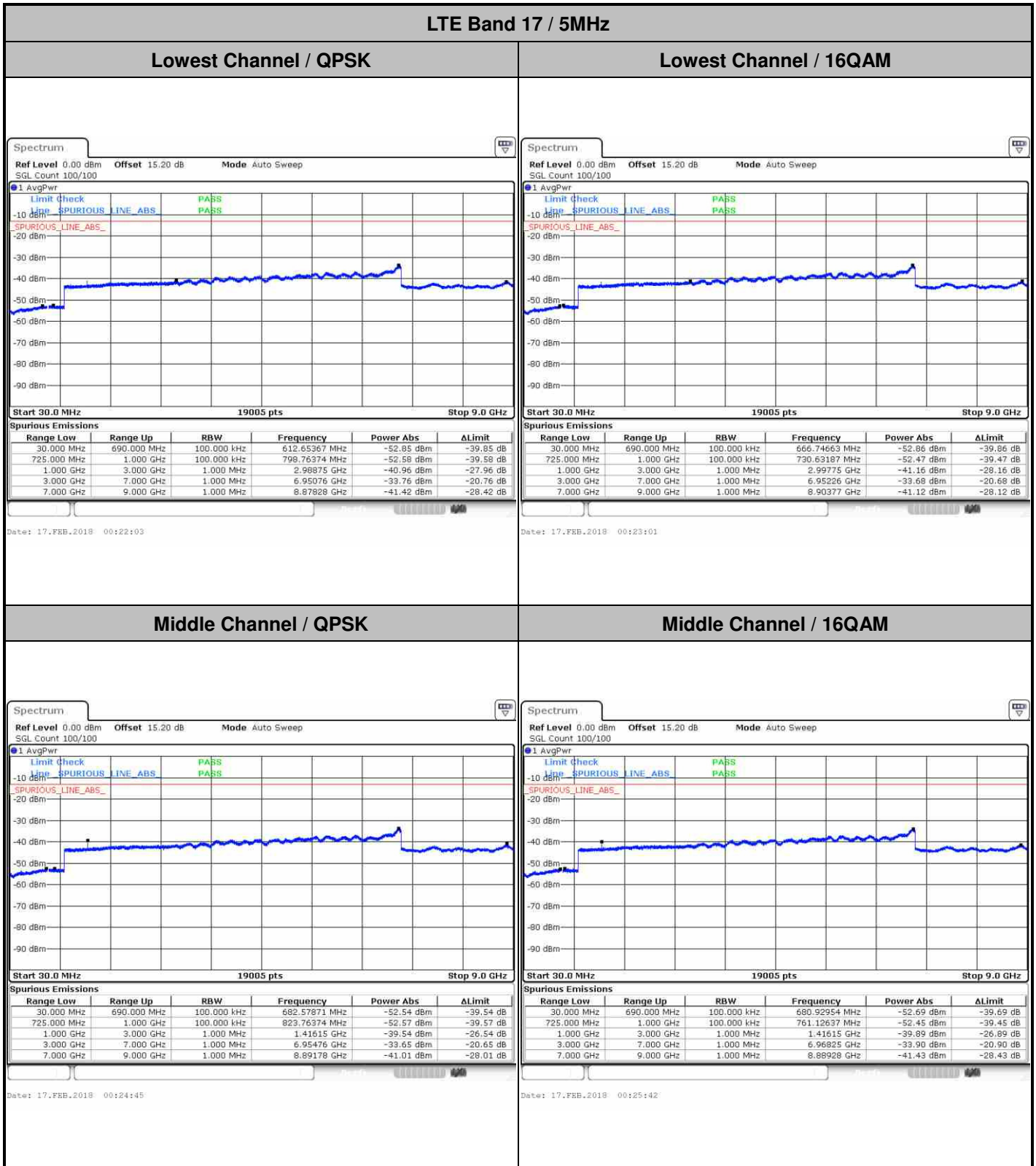
Highest Band Edge / Full RB



Date: 17.FEB.2018 01:13:39



Conducted Spurious Emission





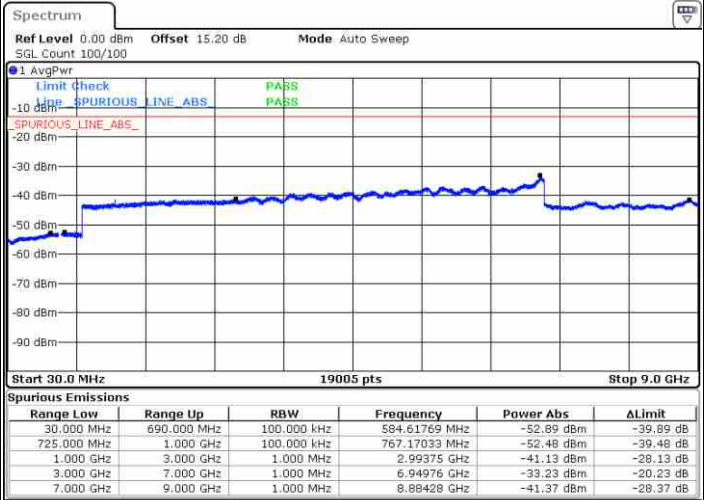
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 17.FEB.2018 00:32:00

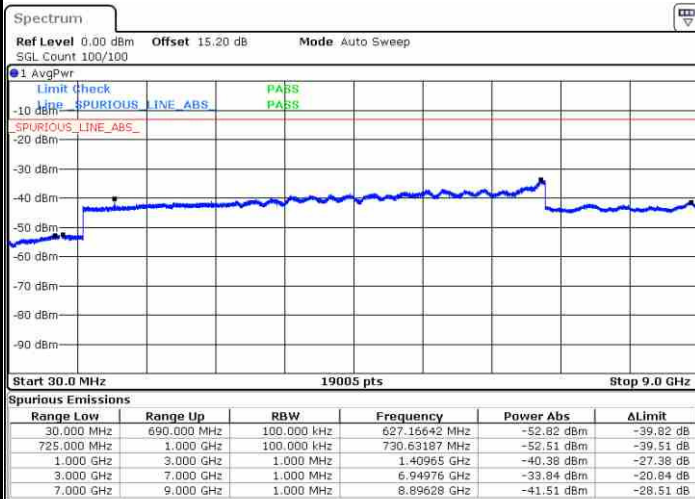
Highest Channel / 16QAM



Date: 17.FEB.2018 00:32:58

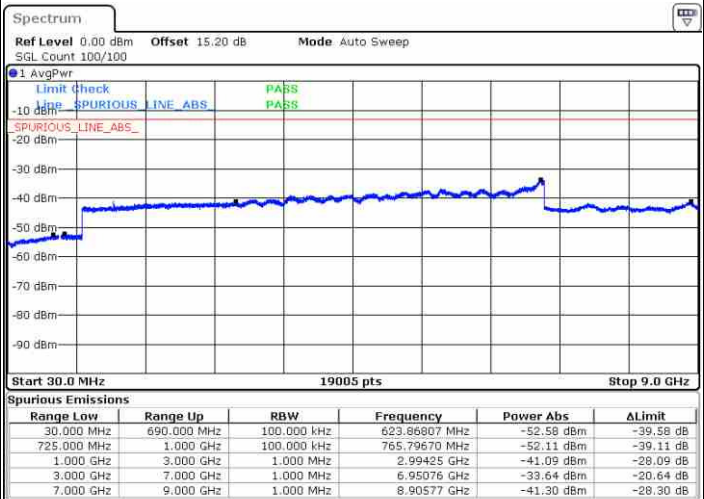
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 17.FEB.2018 00:39:17

Lowest Channel / 16QAM



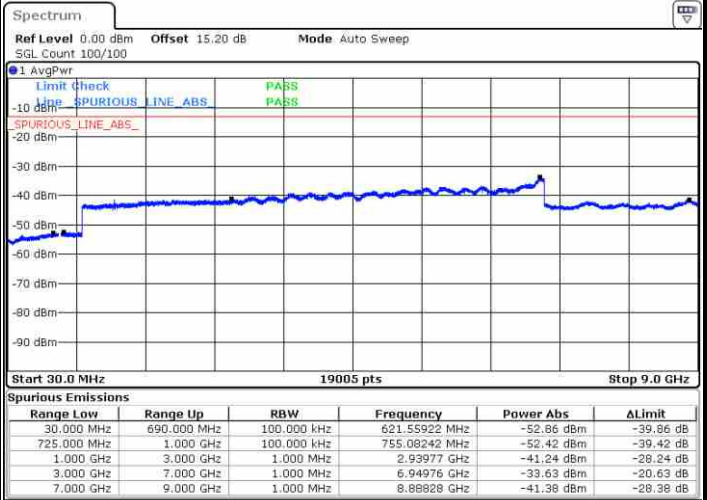
Date: 17.FEB.2018 00:40:14



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

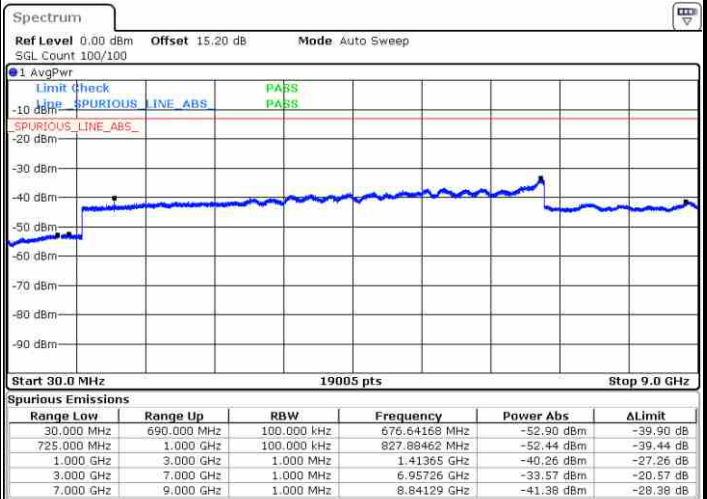
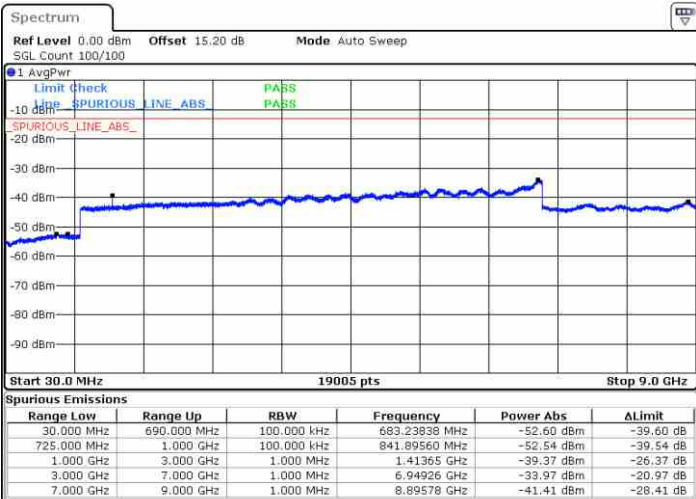


Date: 17.FEB.2018 00:41:58

Date: 17.FEB.2018 00:42:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.FEB.2018 00:49:14

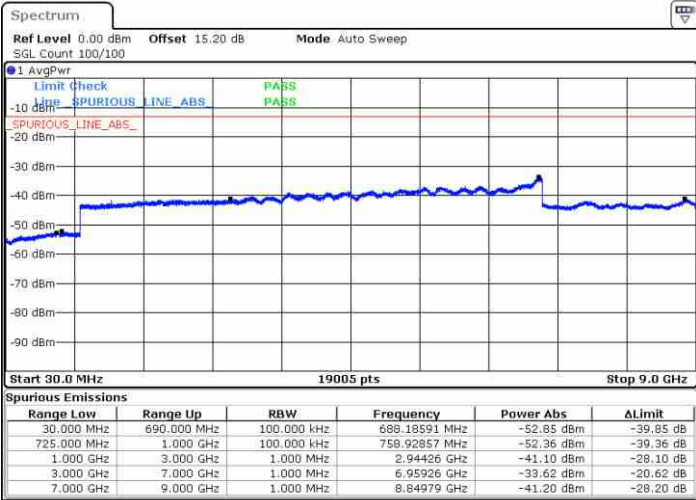
Date: 17.FEB.2018 00:50:11



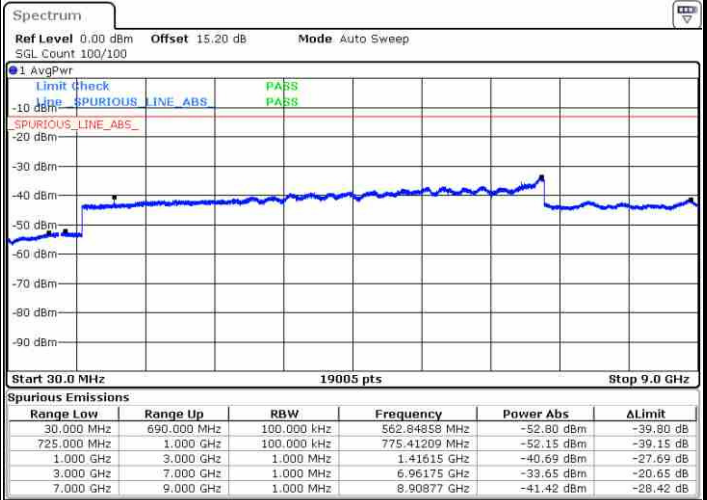
LTE Band 17 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Date: 17.FEB.2018 01:02:10



Date: 17.FEB.2018 01:03:30

Highest Channel / 64QAM



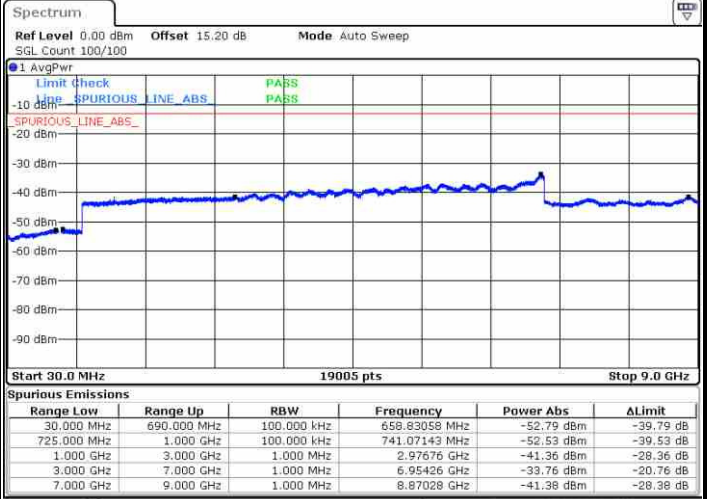
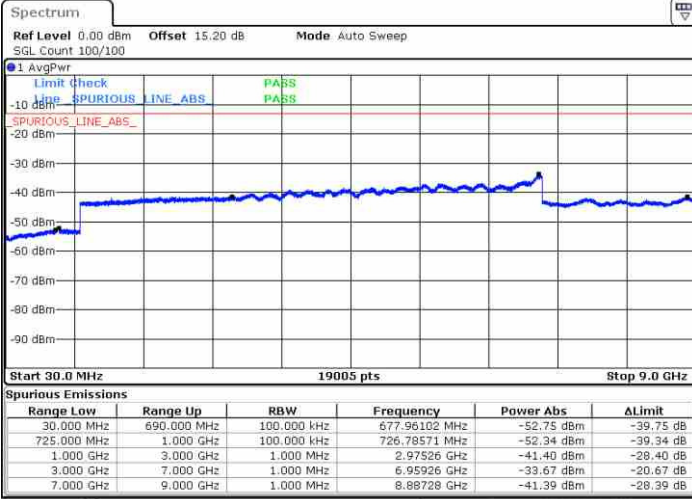
Date: 17.FEB.2018 01:07:08



LTE Band 17 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM





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	0.0004	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.82 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.



<For Down Antenna>

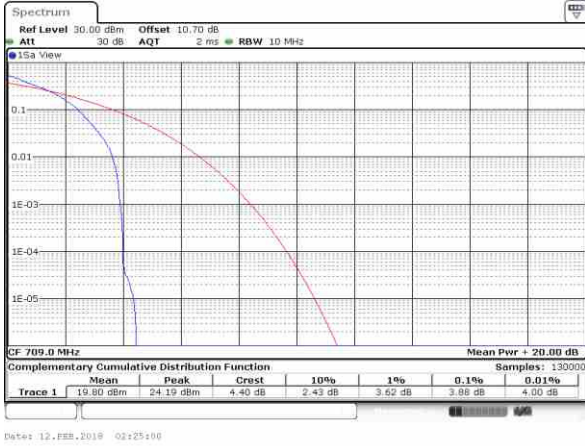
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.88	4.41	4.78	5.45	PASS
Middle CH	3.77	4.38	4.46	5.65	
Highest CH	4	4.38	4.9	5.36	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.25	5.97	-	-	PASS
Middle CH	4.96	5.65	-	-	
Highest CH	4.96	5.86	-	-	

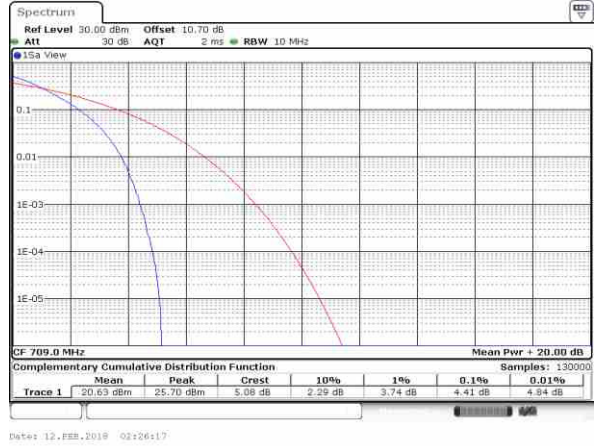


LTE Band 17 / 10MHz / QPSK

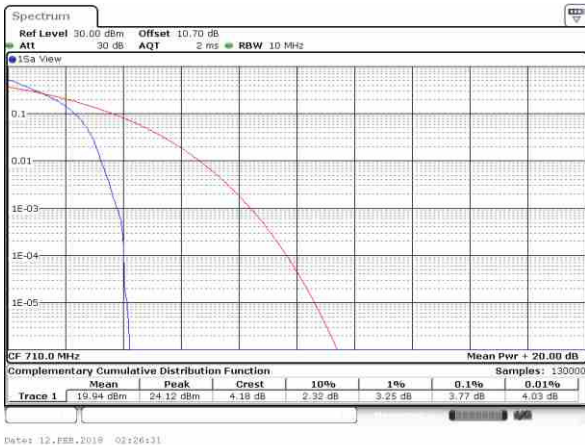
Lowest Channel / 1RB



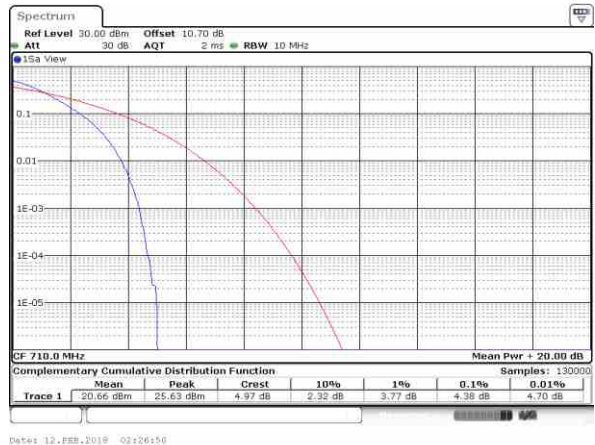
Lowest Channel / Full RB



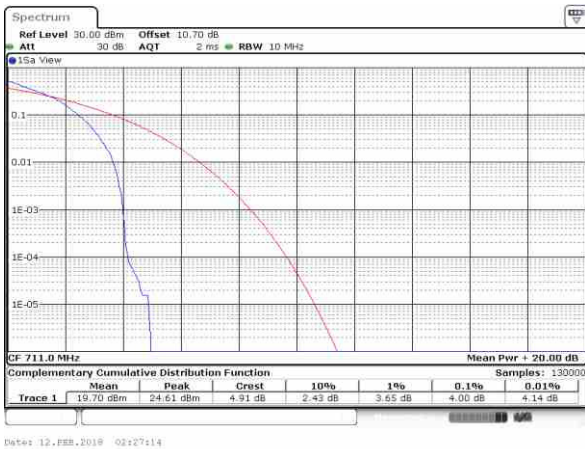
Middle Channel / 1RB



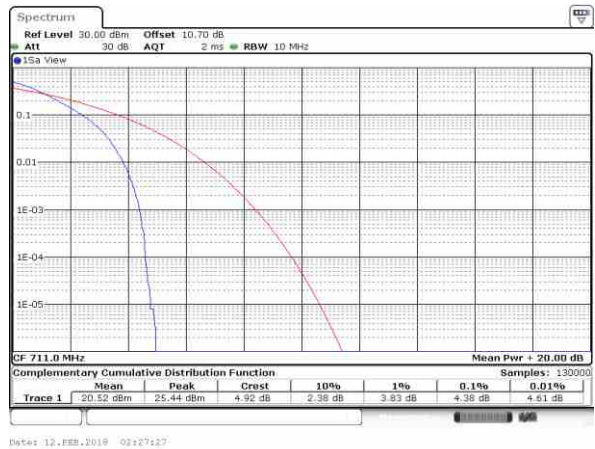
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



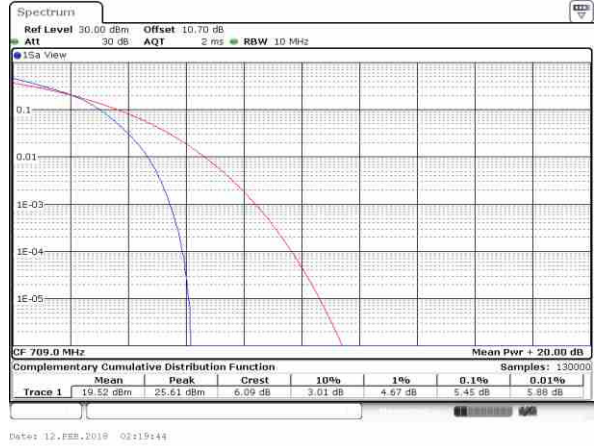


LTE Band 17 / 10MHz / 16QAM

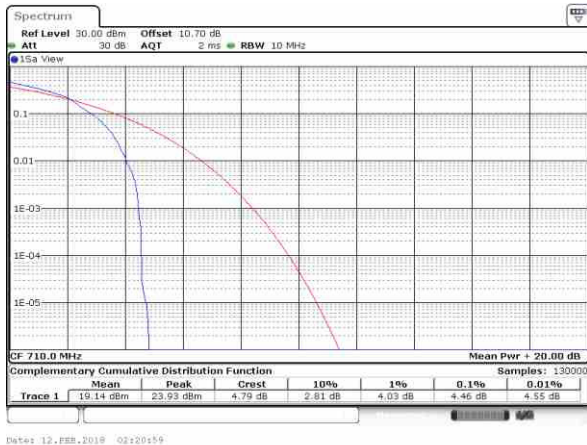
Lowest Channel / 1RB



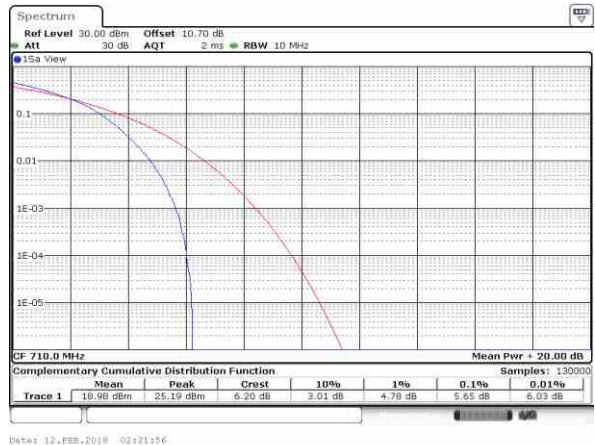
Lowest Channel / Full RB



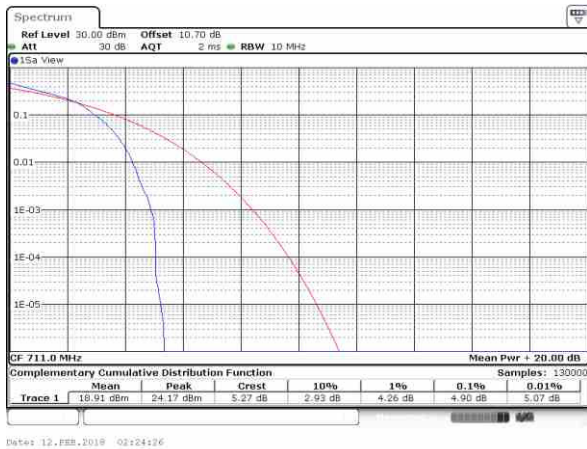
Middle Channel / 1RB



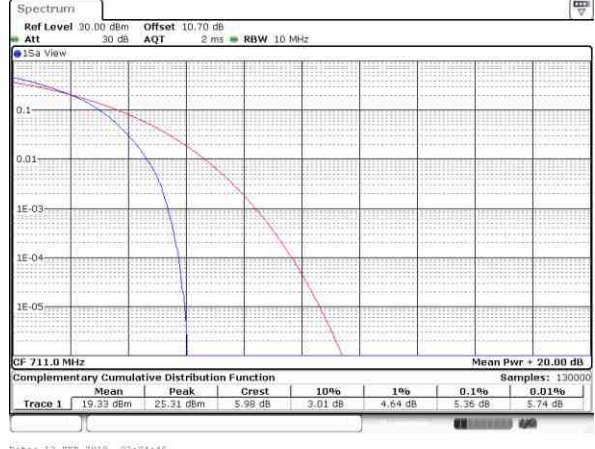
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



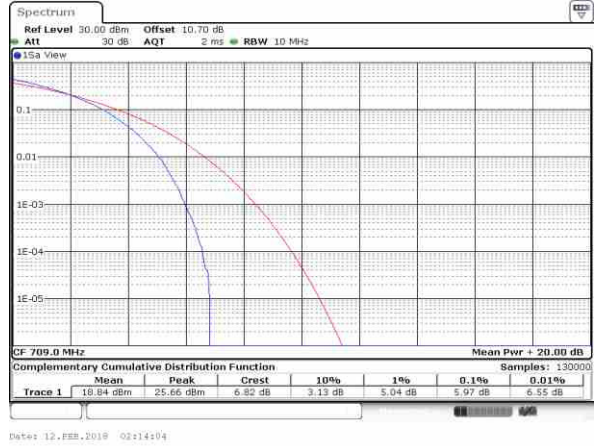


LTE Band 17 / 10MHz / 64QAM

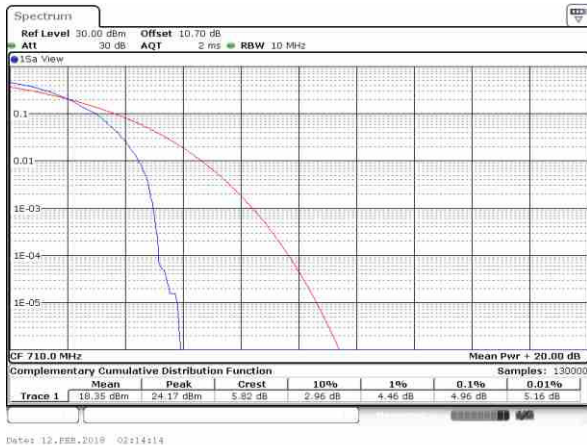
Lowest Channel / 1RB



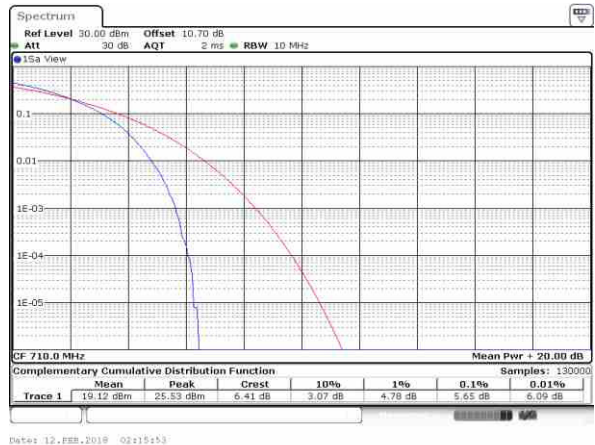
Lowest Channel / Full RB



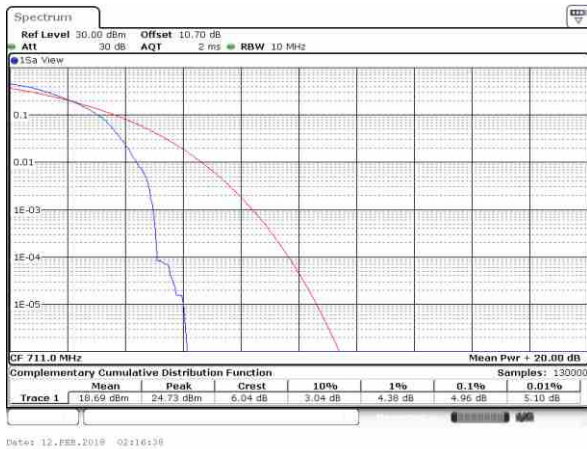
Middle Channel / 1RB



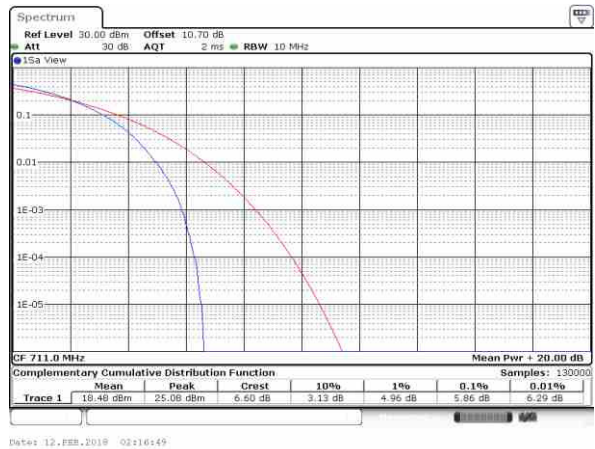
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





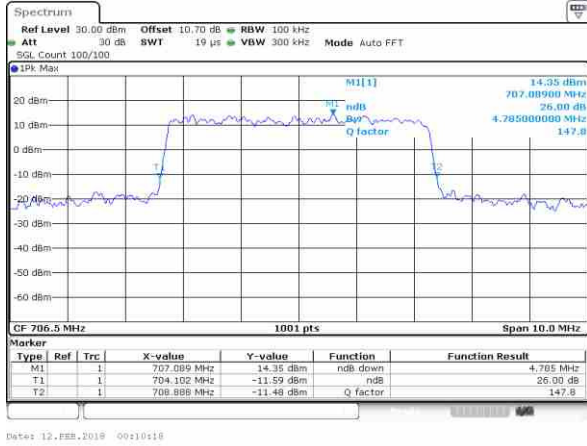
26dB Bandwidth

Mode	LTE Band 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	-	-	-	-	4.79	4.90	9.77	9.73	-	-	-	-
Middle CH	-	-	-	-	4.98	4.94	9.97	9.93	-	-	-	-
Highest CH	-	-	-	-	4.85	4.86	9.73	9.95	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.96	-	9.81	-	-	-	-	-
Middle CH	-	-	-	-	4.91	-	9.81	-	-	-	-	-
Highest CH	-	-	-	-	4.89	-	9.89	-	-	-	-	-



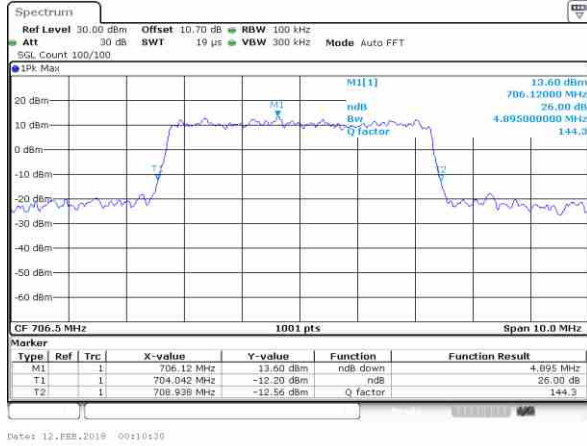
LTE Band 17

Lowest Channel / 5MHz / QPSK



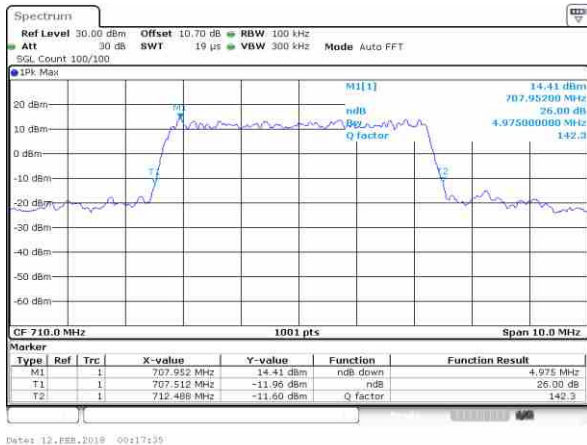
Date: 12.FEB.2018 00:10:18

Lowest Channel / 5MHz / 16QAM



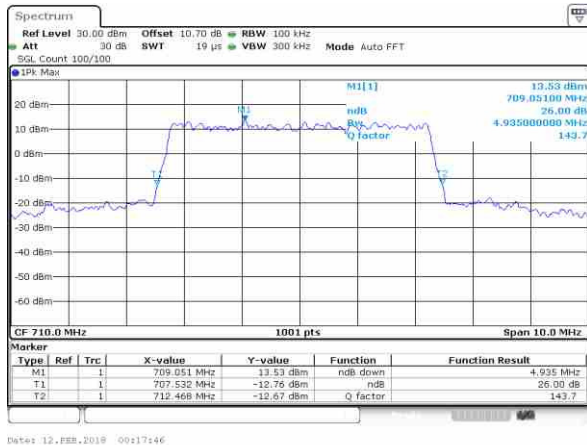
Date: 12.FEB.2018 00:10:30

Middle Channel / 5MHz / QPSK



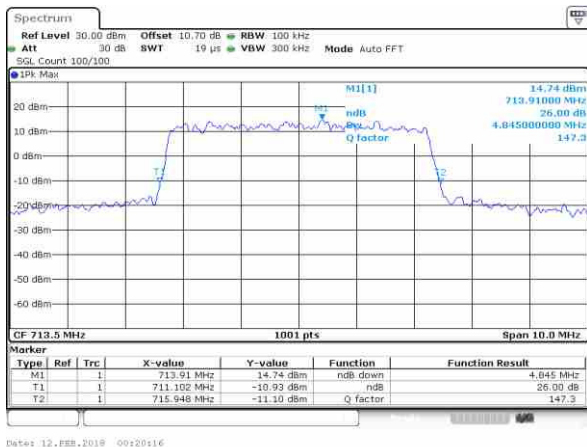
Date: 12.FEB.2018 00:17:35

Middle Channel / 5MHz / 16QAM



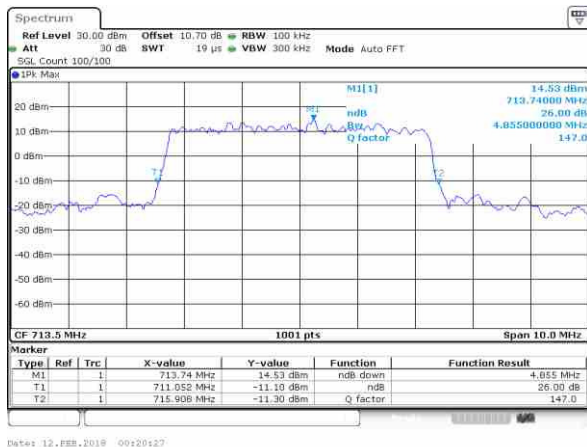
Date: 12.FEB.2018 00:17:46

Highest Channel / 5MHz / QPSK



Date: 12.FEB.2018 00:20:16

Highest Channel / 5MHz / 16QAM

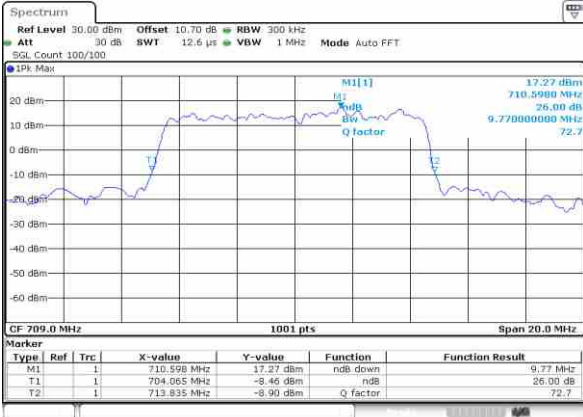


Date: 12.FEB.2018 00:20:27



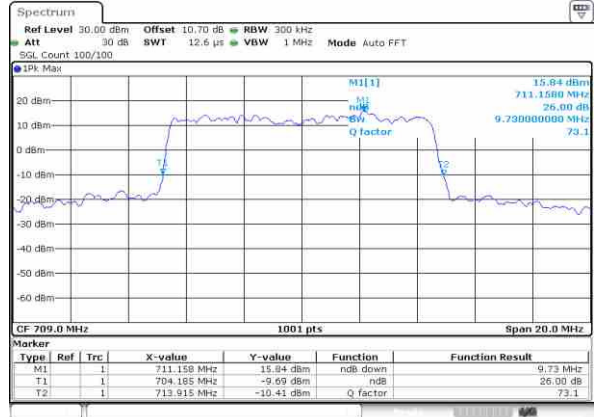
LTE Band 17

Lowest Channel / 10MHz / QPSK



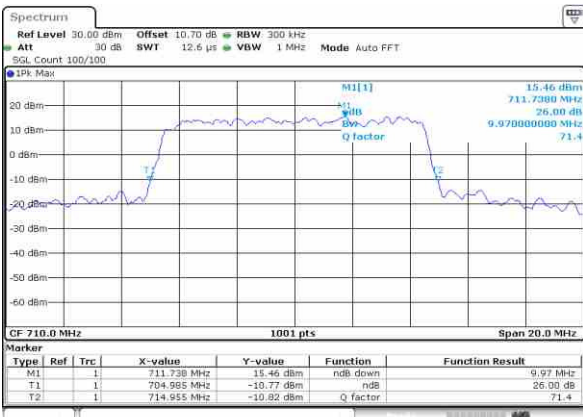
Date: 12.FEB.2019 00:27:33

Lowest Channel / 10MHz / 16QAM



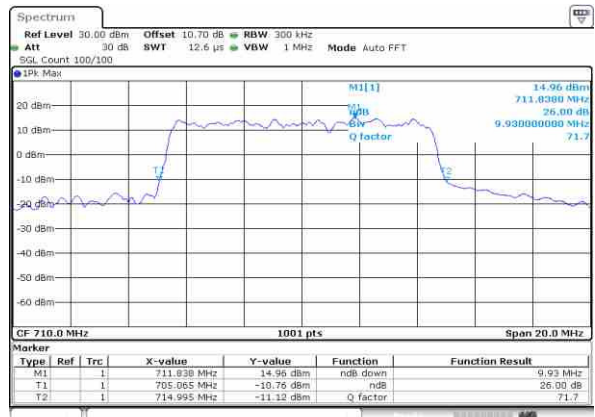
Date: 12.FEB.2019 00:27:44

Middle Channel / 10MHz / QPSK



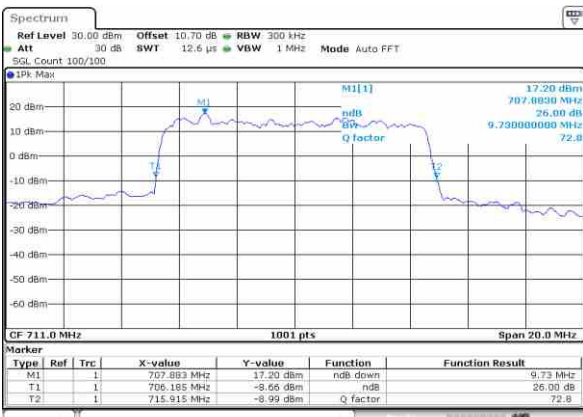
Date: 12.FEB.2019 00:34:50

Middle Channel / 10MHz / 16QAM



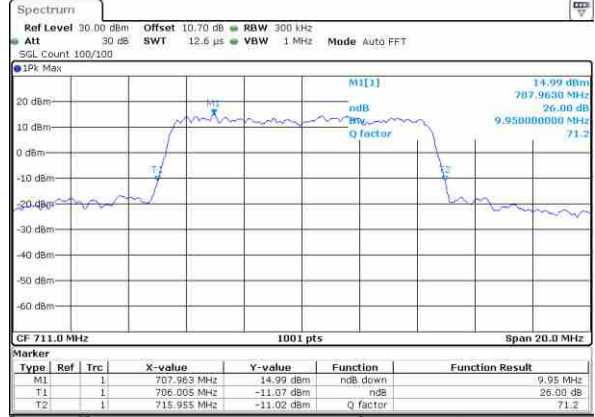
Date: 12.FEB.2019 00:35:02

Highest Channel / 10MHz / QPSK



Date: 12.FEB.2019 00:37:31

Highest Channel / 10MHz / 16QAM

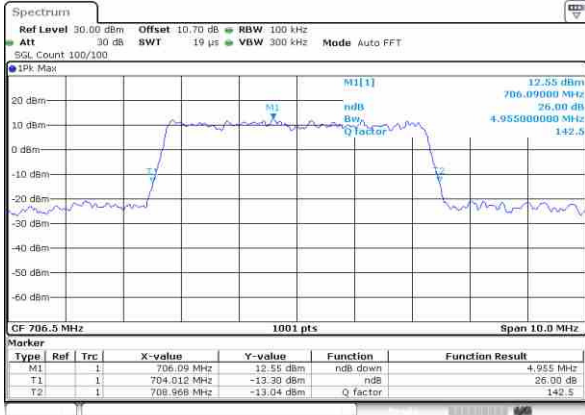


Date: 12.FEB.2019 00:37:43



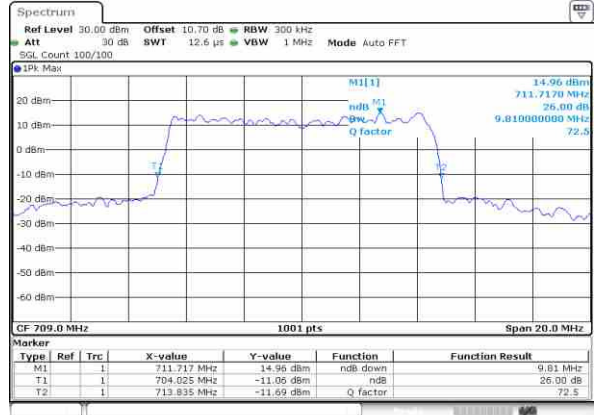
LTE Band 17

Lowest Channel / 5MHz / 64QAM



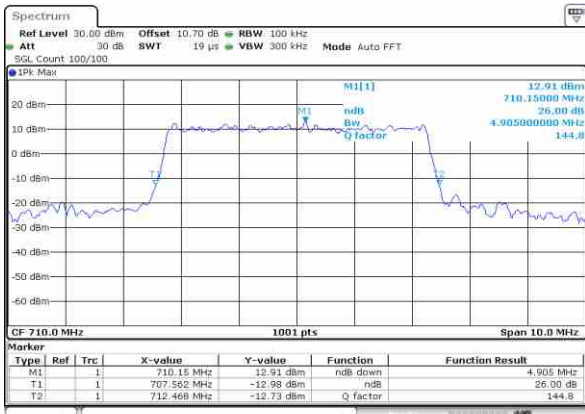
Date: 12.FEB.2019 00:44:17

Lowest Channel / 10MHz / 64QAM



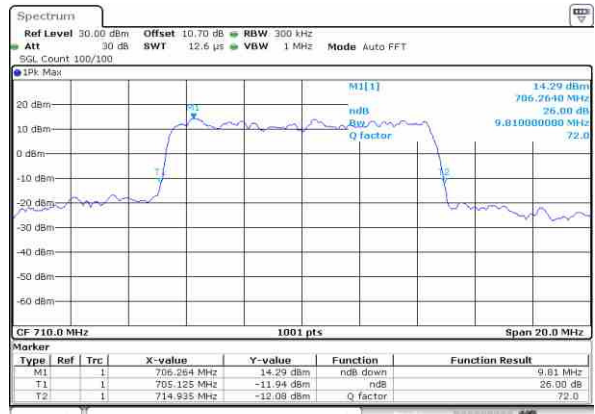
Date: 12.FEB.2019 00:53:14

Middle Channel / 5MHz / 64QAM



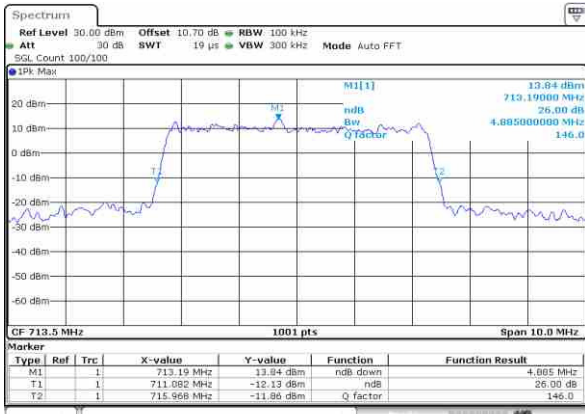
Date: 12.FEB.2019 00:48:16

Middle Channel / 10MHz / 64QAM



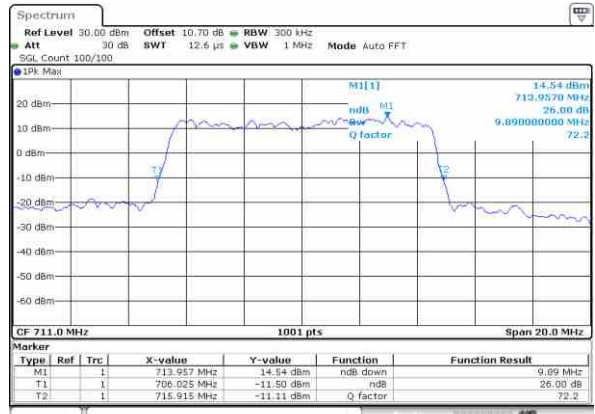
Date: 12.FEB.2019 00:56:53

Highest Channel / 5MHz / 64QAM



Date: 12.FEB.2019 00:49:36

Highest Channel / 10MHz / 64QAM



Date: 12.FEB.2019 00:58:13



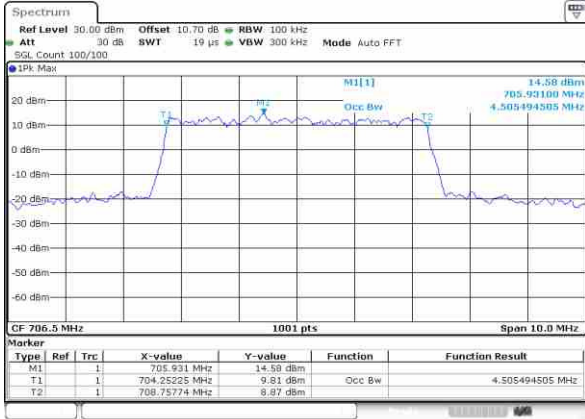
Occupied Bandwidth

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	4.49	9.05	9.03	-	-	-	-
Middle CH	-	-	-	-	4.53	4.51	9.11	9.09	-	-	-	-
Highest CH	-	-	-	-	4.48	4.51	9.07	9.09	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	9.05	-	-	-	-	-
Middle CH	-	-	-	-	4.47	-	9.05	-	-	-	-	-
Highest CH	-	-	-	-	4.48	-	8.99	-	-	-	-	-



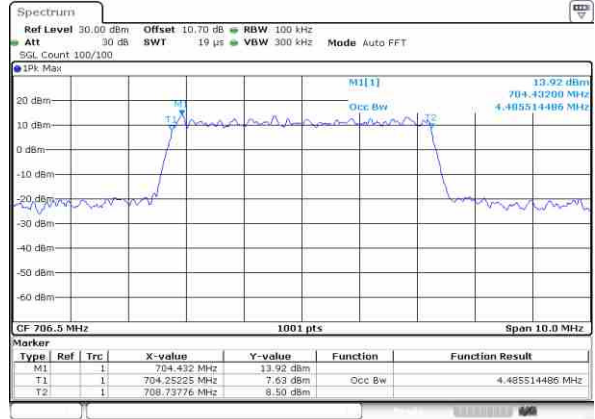
LTE Band 17

Lowest Channel / 5MHz / QPSK



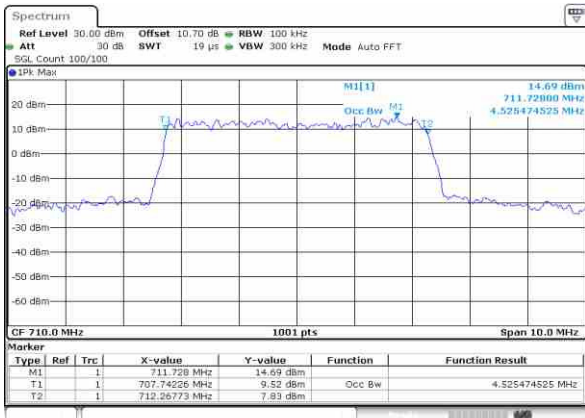
Date: 12.FEB.2018 00:09:59

Lowest Channel / 5MHz / 16QAM



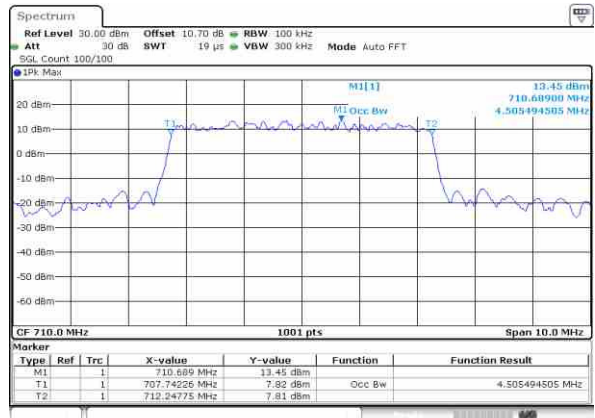
Date: 12.FEB.2018 00:10:07

Middle Channel / 5MHz / QPSK



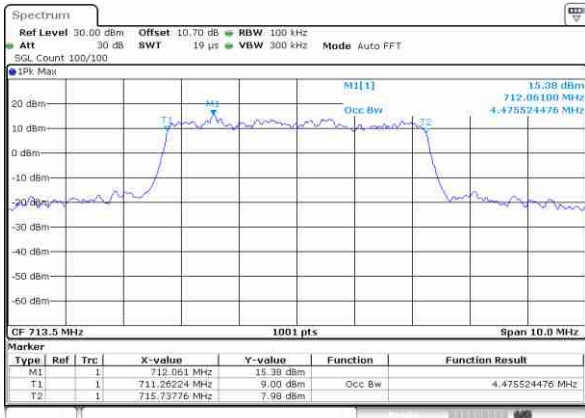
Date: 12.FEB.2018 00:17:12

Middle Channel / 5MHz / 16QAM



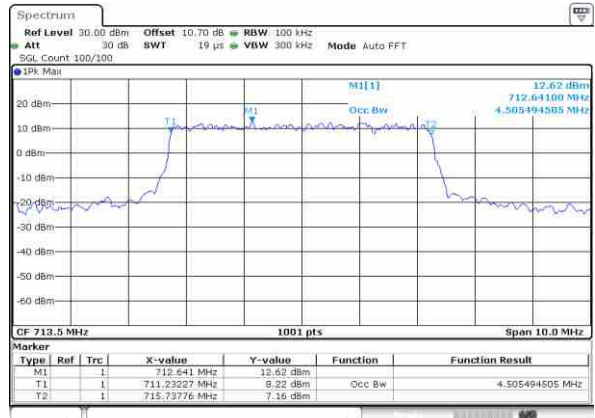
Date: 12.FEB.2018 00:17:24

Highest Channel / 5MHz / QPSK



Date: 12.FEB.2018 00:19:53

Highest Channel / 5MHz / 16QAM

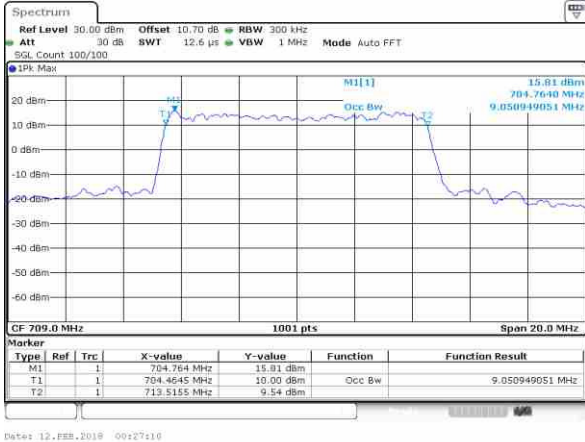


Date: 12.FEB.2018 00:20:05

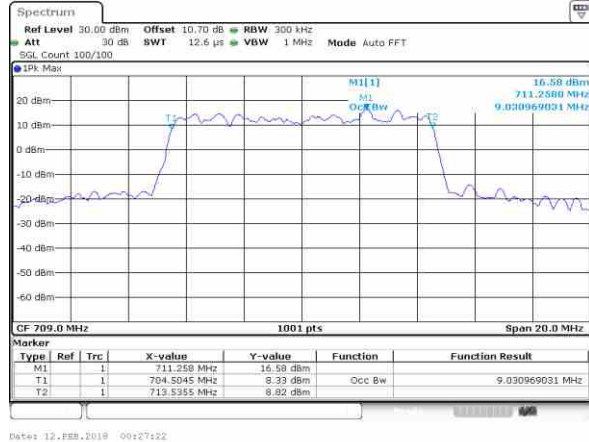


LTE Band 17

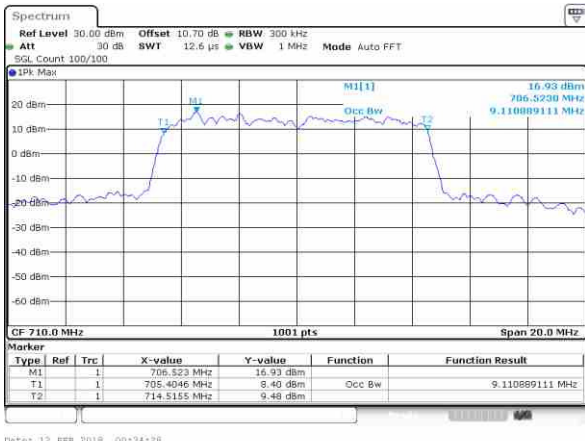
Lowest Channel / 10MHz / QPSK



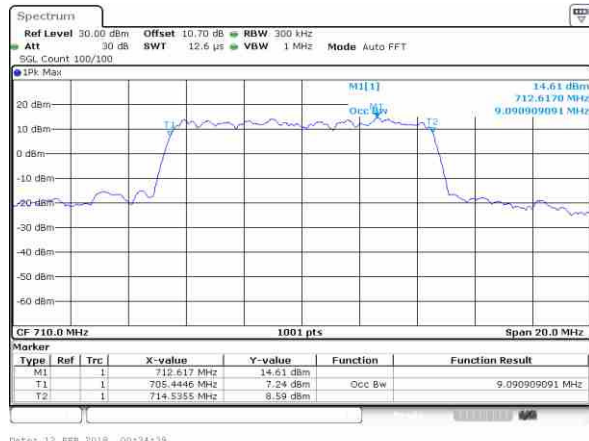
Lowest Channel / 10MHz / 16QAM



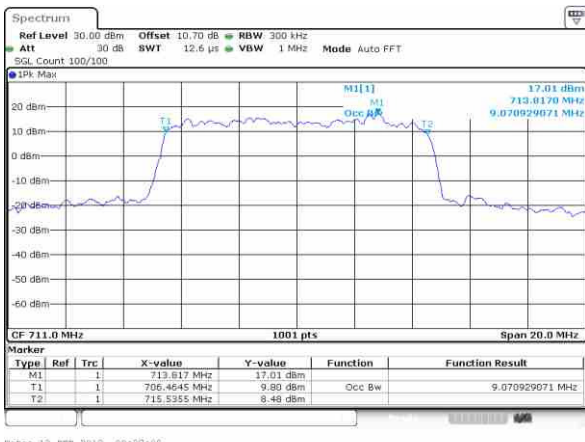
Middle Channel / 10MHz / QPSK



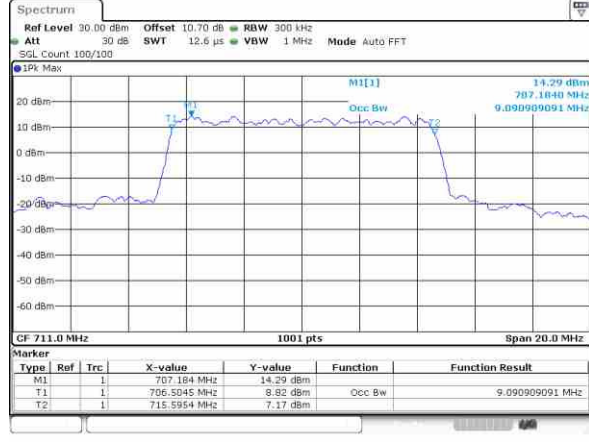
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



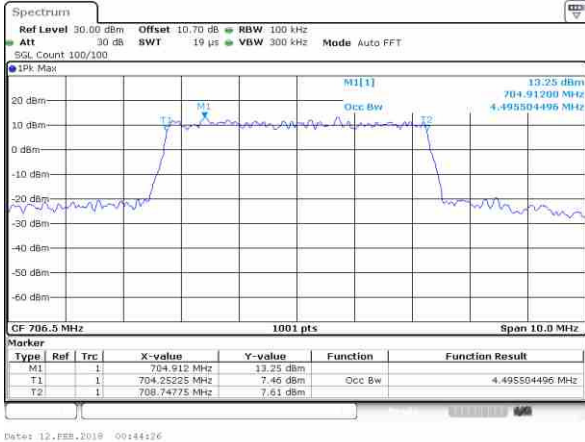
Highest Channel / 10MHz / 16QAM





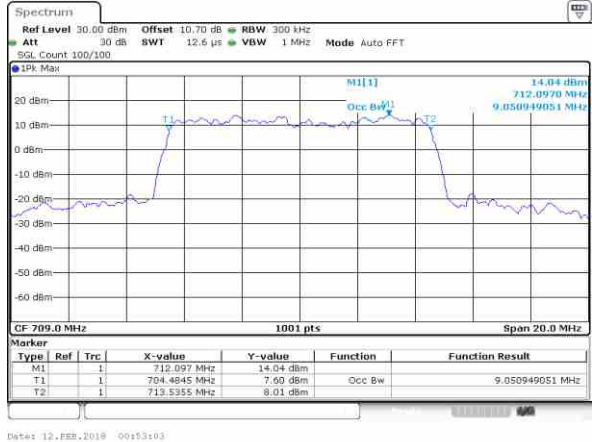
LTE Band 17

Lowest Channel / 5MHz / 64QAM



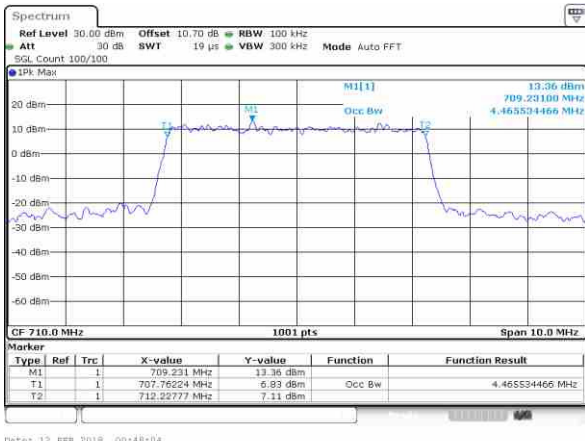
Date: 12.FEB.2019 00:44:26

Lowest Channel / 10MHz / 64QAM



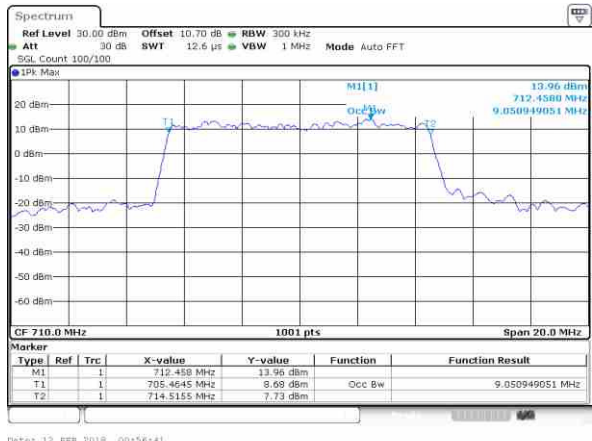
Date: 12.FEB.2019 00:53:03

Middle Channel / 5MHz / 64QAM



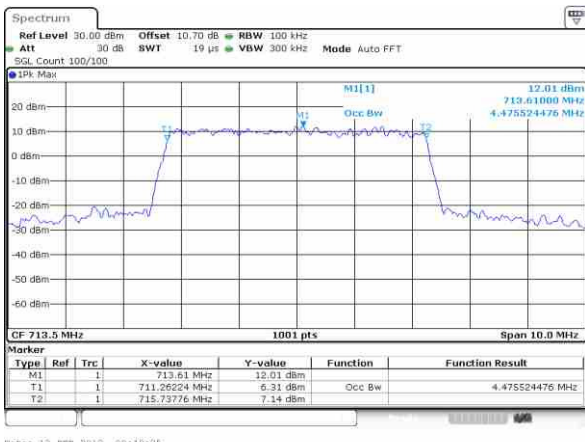
Date: 12.FEB.2019 00:48:04

Middle Channel / 10MHz / 64QAM



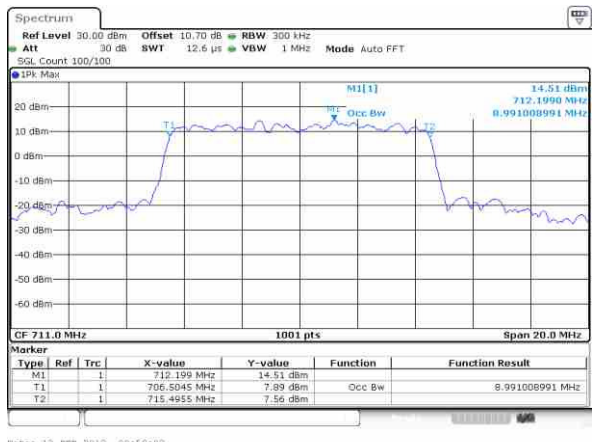
Date: 12.FEB.2019 00:56:41

Highest Channel / 5MHz / 64QAM



Date: 12.FEB.2019 00:49:25

Highest Channel / 10MHz / 64QAM



Date: 12.FEB.2019 00:58:02

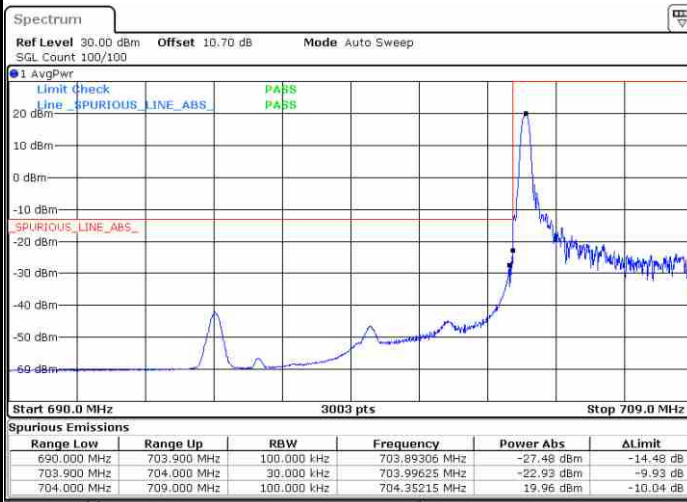


Conducted Band Edge



LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



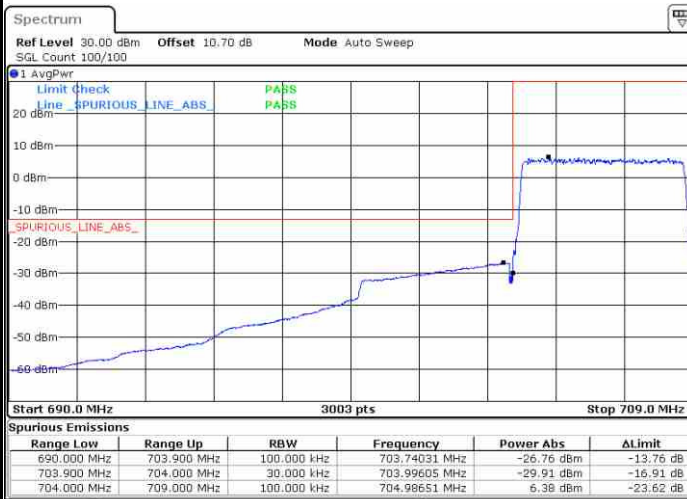
Date: 12.FEB.2018 00:11:39

Highest Band Edge / 1 RB



Date: 12.FEB.2018 00:21:37

Lowest Band Edge / Full RB



Date: 12.FEB.2018 00:13:57

Highest Band Edge / Full RB

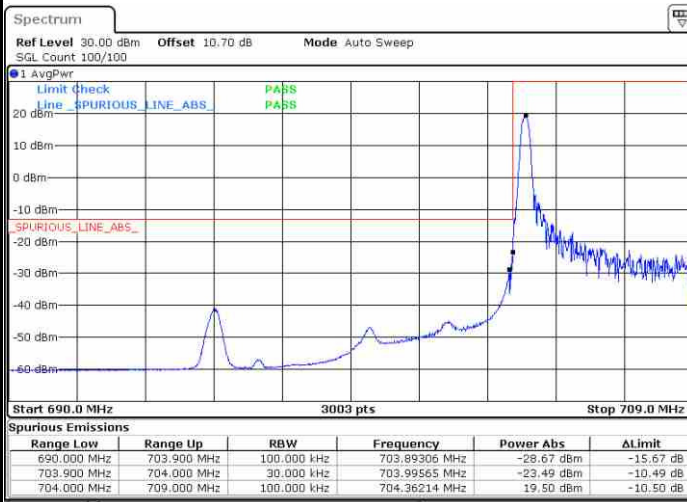


Date: 12.FEB.2018 00:23:54



LTE Band 17 / 5MHz / 16QAM

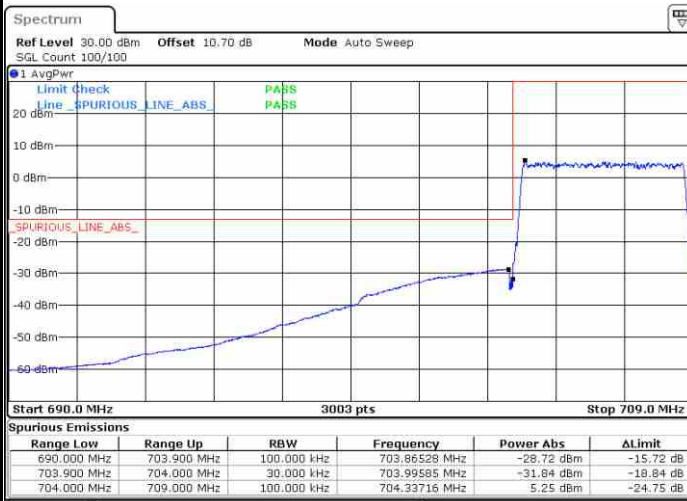
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



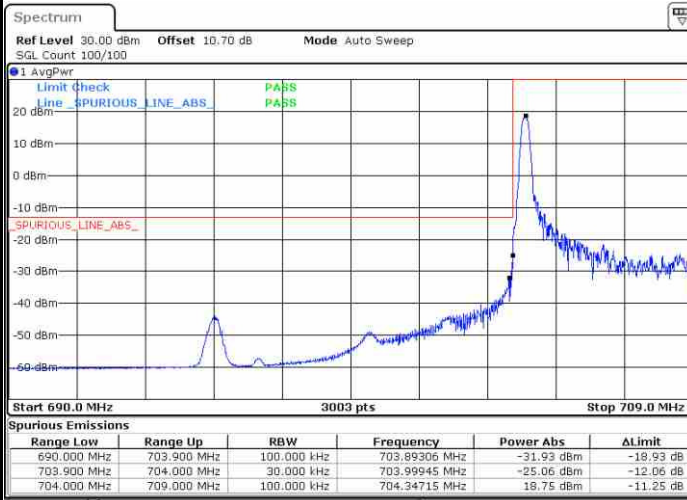
Highest Band Edge / Full RB





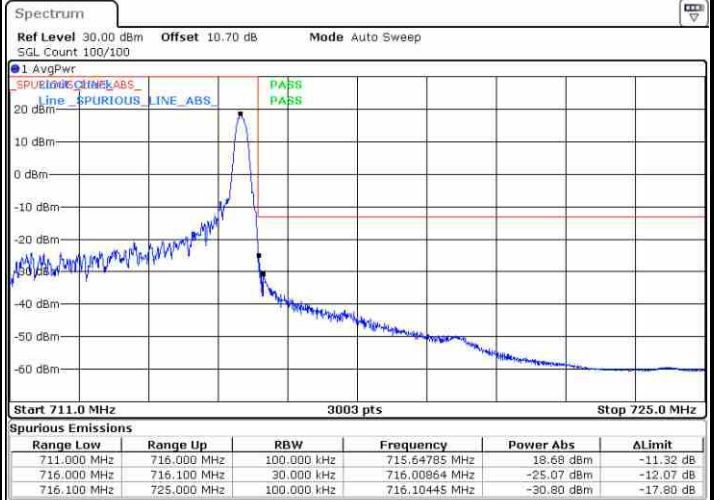
LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



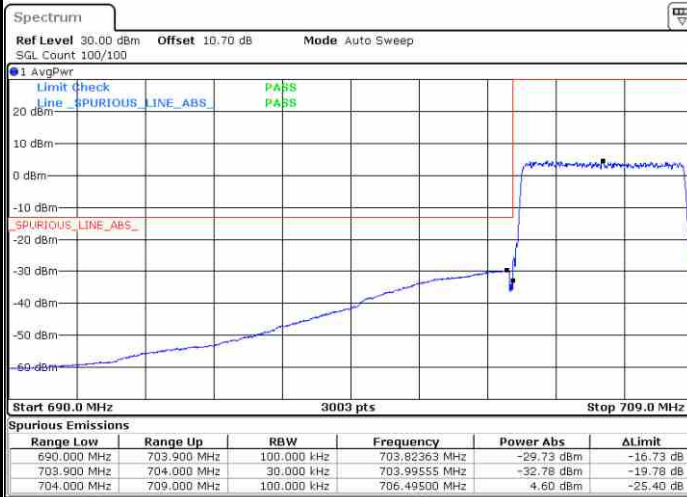
Date: 12.FEB.2018 00:45:47

Highest Band Edge / 1 RB



Date: 12.FEB.2018 00:50:46

Lowest Band Edge / Full RB



Date: 12.FEB.2018 00:46:56

Highest Band Edge / Full RB

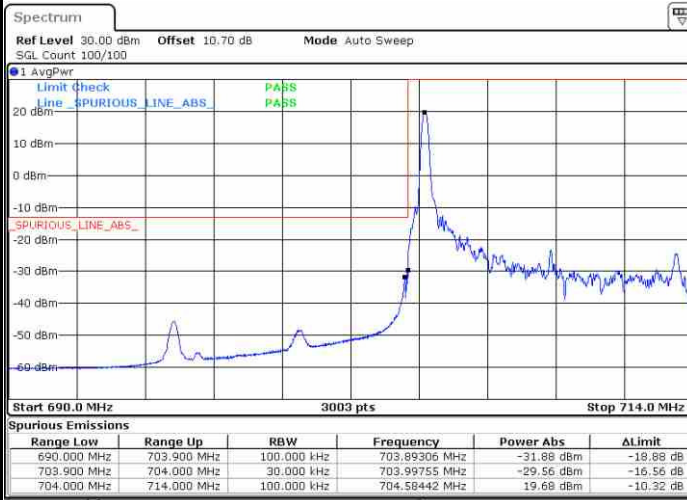


Date: 12.FEB.2018 00:51:54



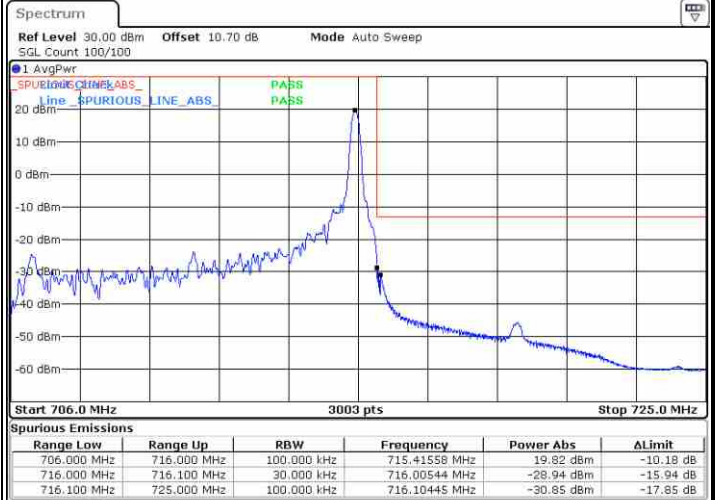
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 12.FEB.2018 00:28:54

Highest Band Edge / 1 RB



Date: 12.FEB.2018 00:38:52

Lowest Band Edge / Full RB



Date: 12.FEB.2018 00:31:12

Highest Band Edge / Full RB

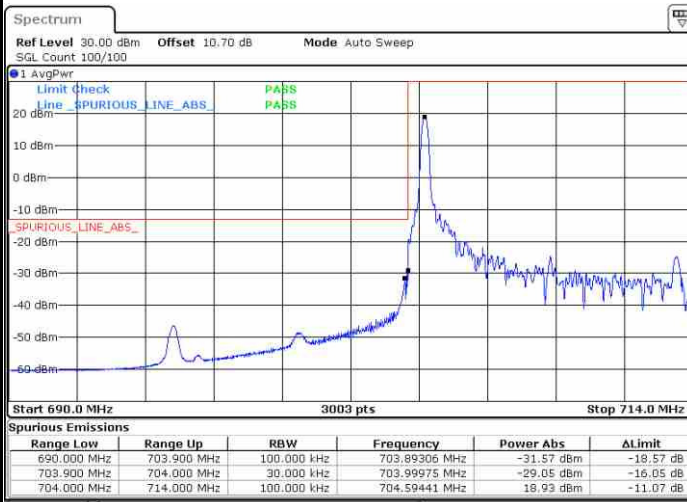


Date: 12.FEB.2018 00:41:10



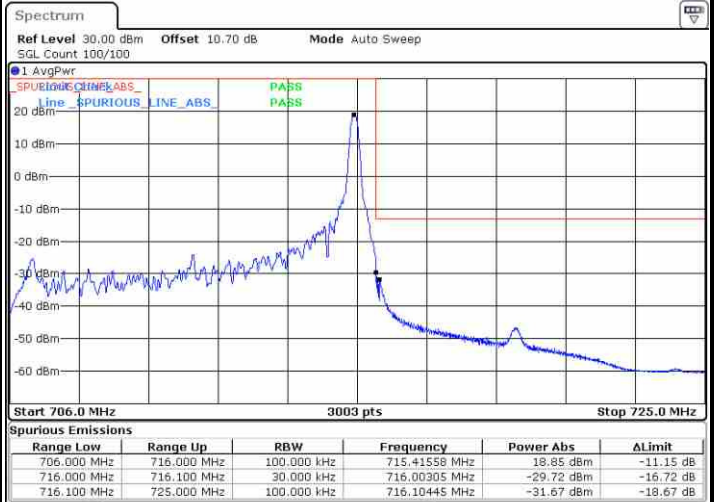
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



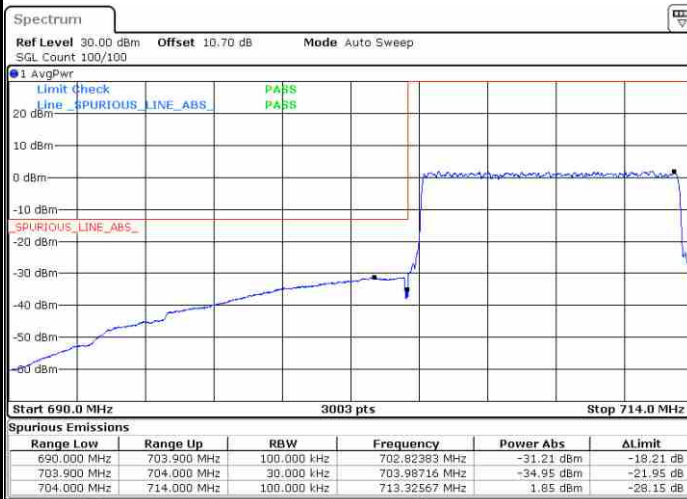
Date: 12.FEB.2018 00:30:03

Highest Band Edge / 1 RB



Date: 12.FEB.2018 00:40:01

Lowest Band Edge / Full RB



Date: 12.FEB.2018 00:32:21

Highest Band Edge / Full RB

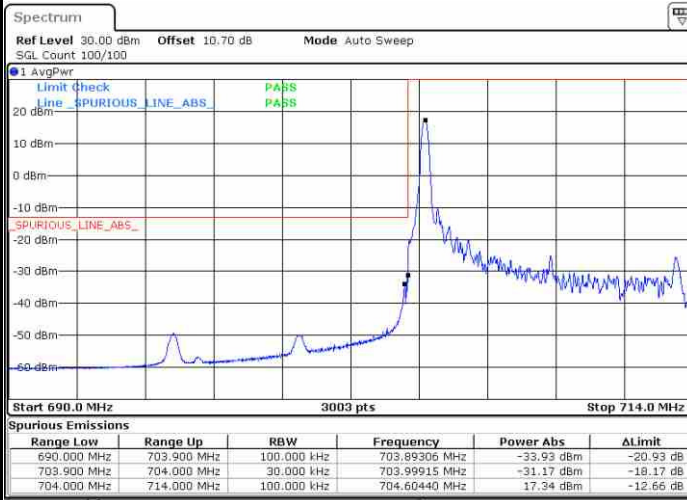


Date: 12.FEB.2018 00:42:19



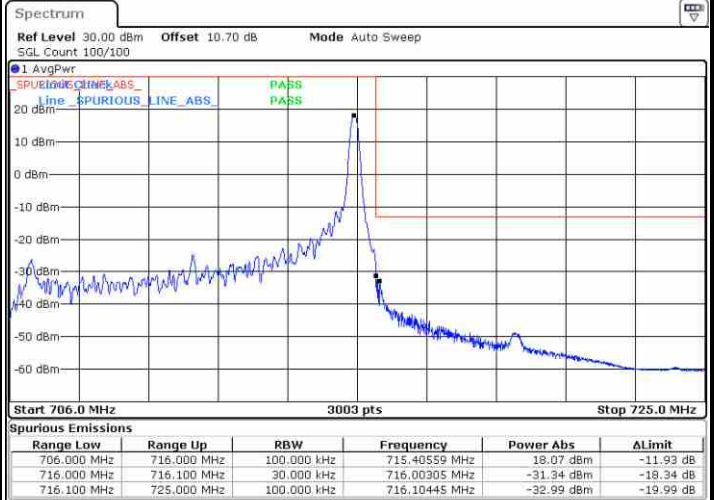
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 12.FEB.2018 00:54:24

Highest Band Edge / 1 RB



Date: 12.FEB.2018 00:59:22

Lowest Band Edge / Full RB



Date: 12.FEB.2018 00:55:33

Highest Band Edge / Full RB



Date: 12.FEB.2018 01:00:32



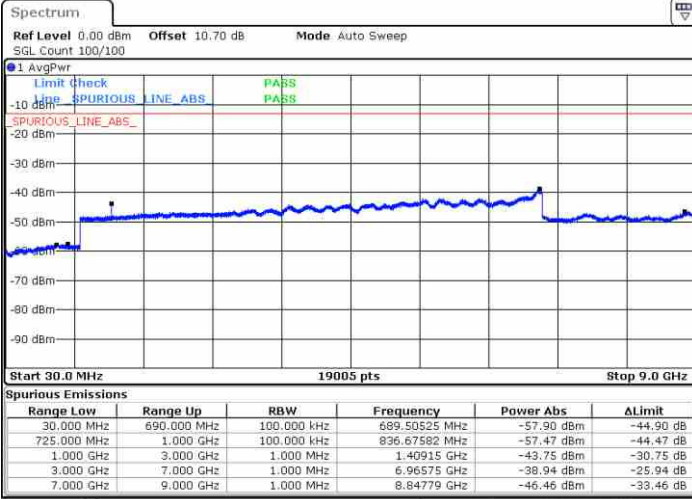
Conducted Spurious Emission



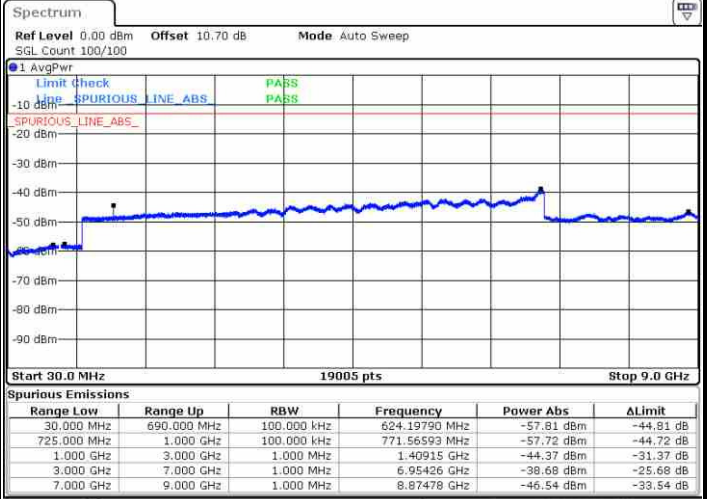
LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



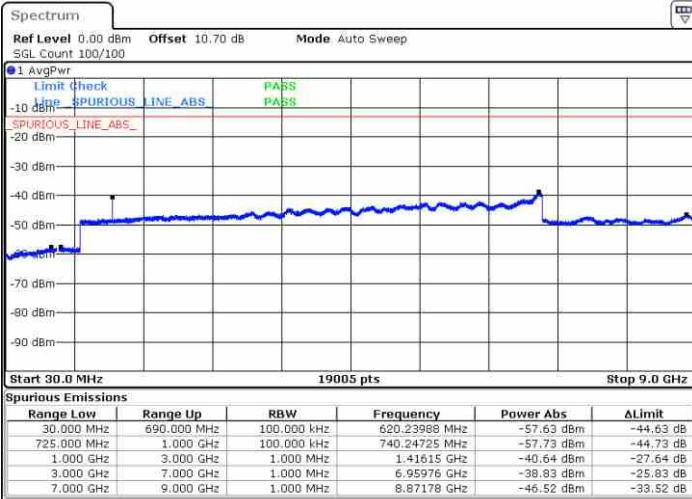
Date: 12.FEB.2018 00:16:02



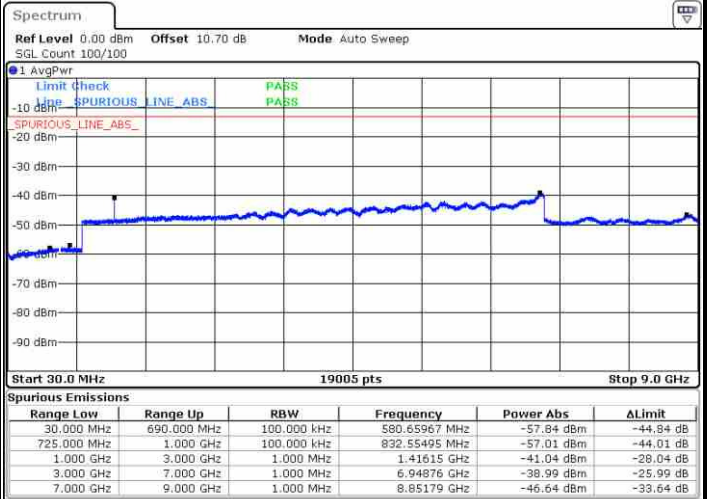
Date: 12.FEB.2018 00:17:00

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 12.FEB.2018 00:18:44



Date: 12.FEB.2018 00:19:41