

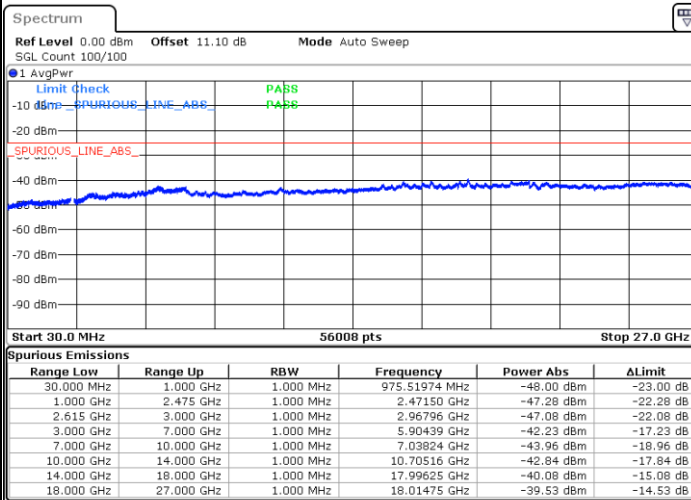


LTE Band 7CA / 20MHz+20MHz

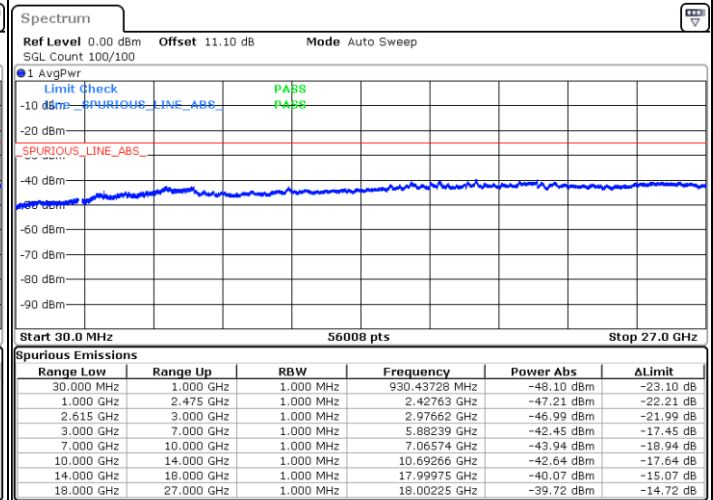
64QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



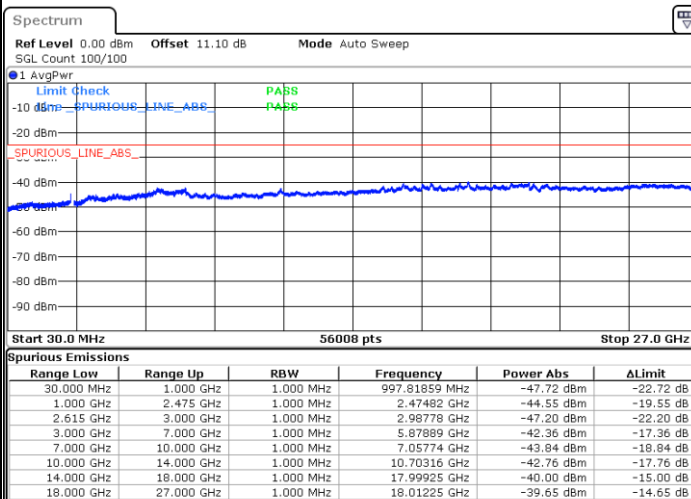
Date: 23.MAR.2020 15:52:04



Date: 23.MAR.2020 15:47:04

Lowest Channel / FullIRB

N/A



Date: 23.MAR.2020 15:53:05

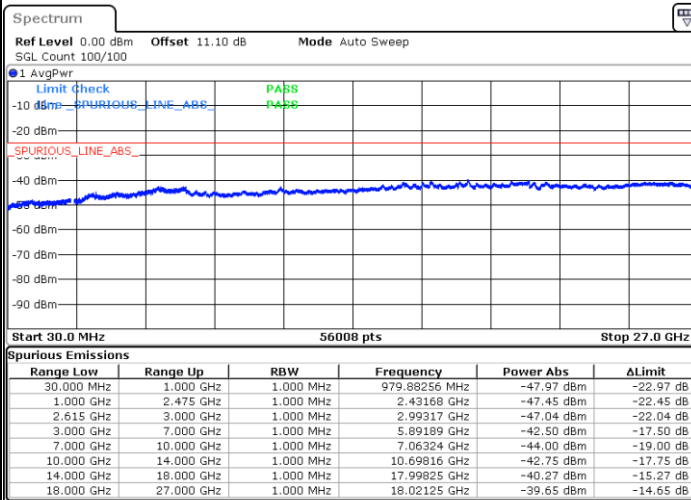


LTE Band 7CA / 20MHz+20MHz

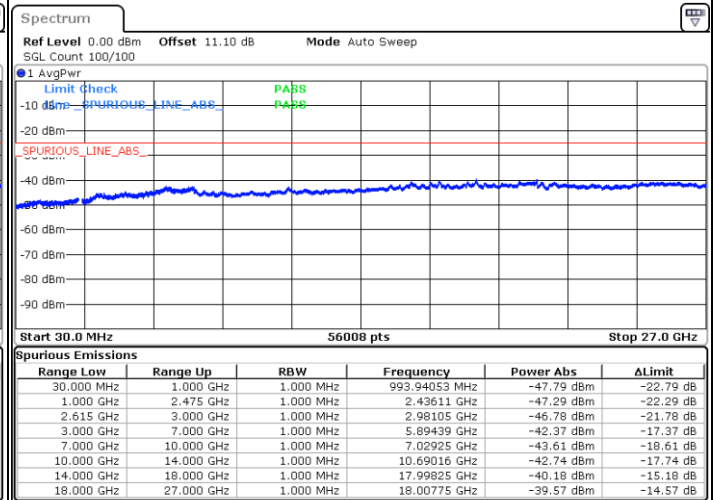
64QAM

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



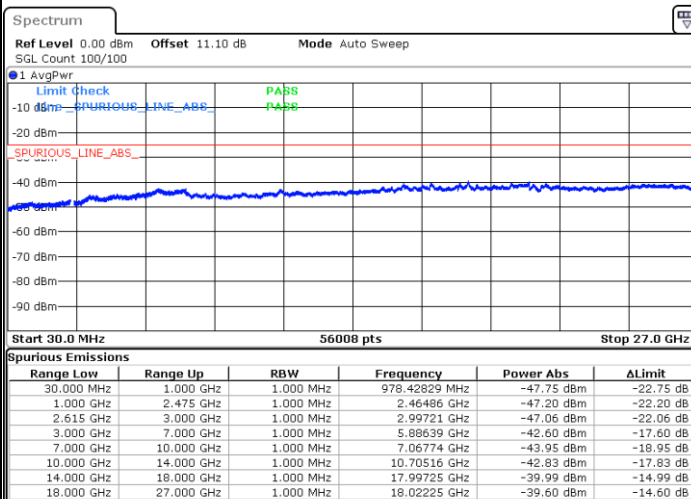
Date: 23.MAR.2020 16:06:59



Date: 23.MAR.2020 16:12:00

Middle Channel / FullIRB

N/A



Date: 23.MAR.2020 16:05:59

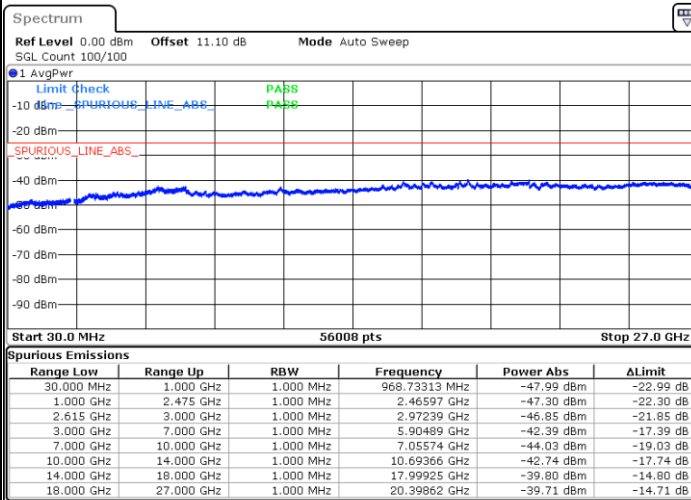


LTE Band 7CA / 20MHz+20MHz

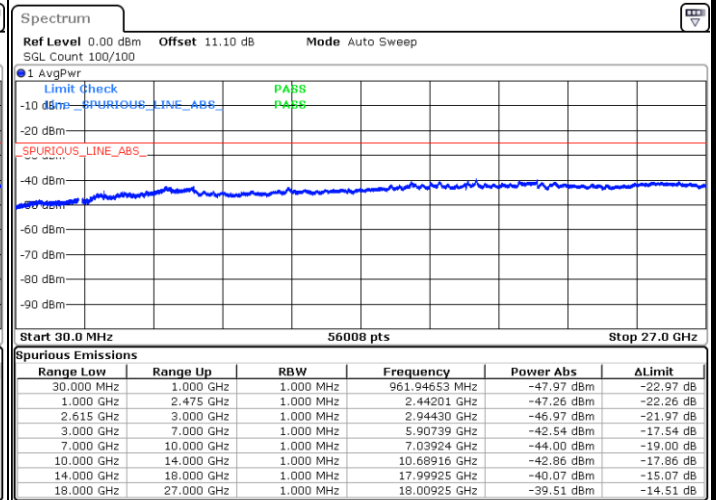
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



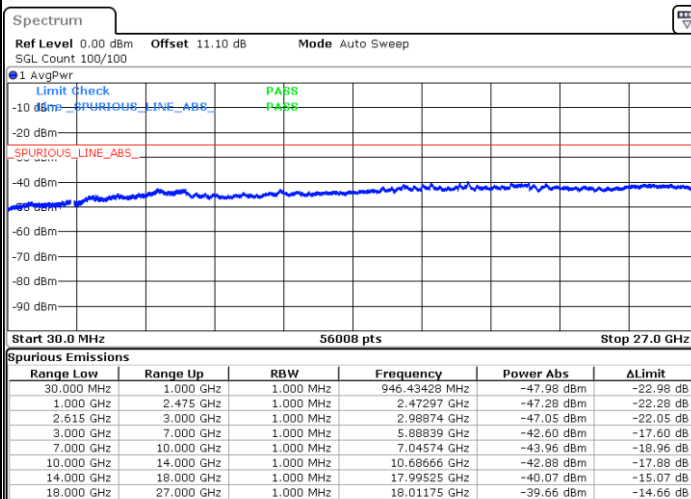
Date: 23.MAR.2020 16:42:31



Date: 23.MAR.2020 16:41:31

Highest Channel / FullIRB

N/A



Date: 23.MAR.2020 16:47:33



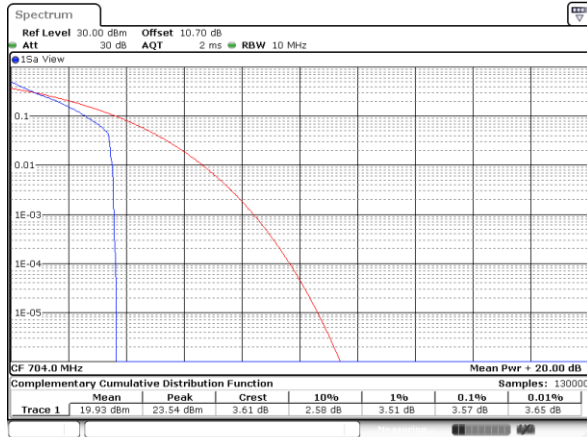
LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.43	4.03	5.45	PASS
Middle CH	3.65	4.52	4.09	5.42	
Highest CH	3.65	4.49	4.09	5.42	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.09	6.38	-	-	PASS
Middle CH	6.12	6.46	-	-	
Highest CH	6.09	6.41	-	-	

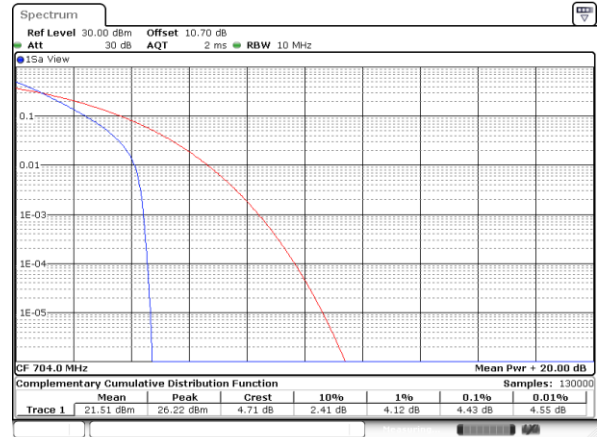
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



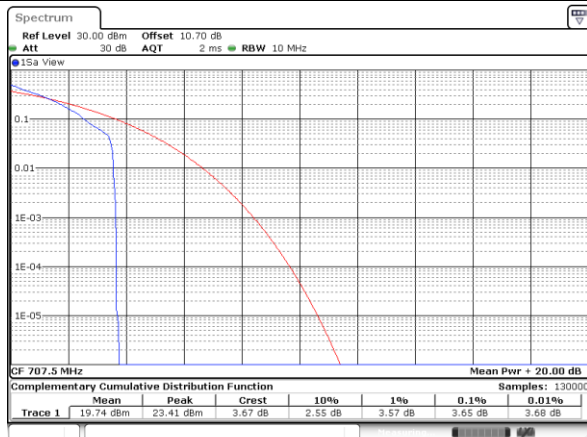
Date: 13.FEB.2020 01:47:04

Lowest Channel / Full RB



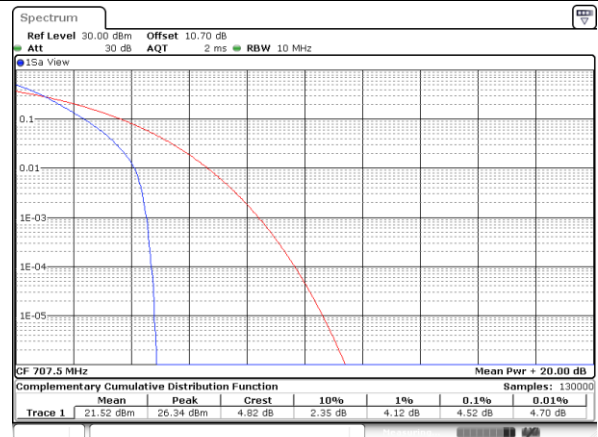
Date: 13.FEB.2020 01:46:28

Middle Channel / 1RB



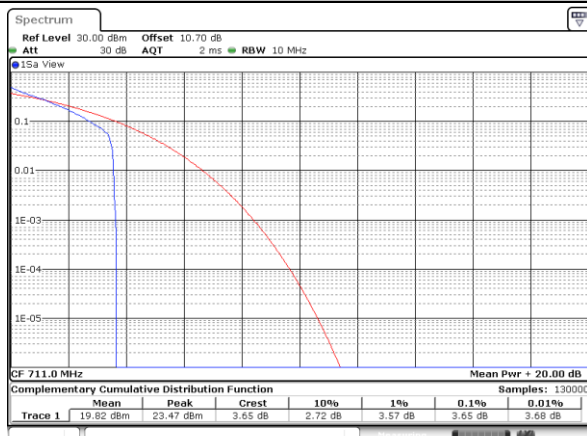
Date: 13.FEB.2020 01:47:21

Middle Channel / Full RB



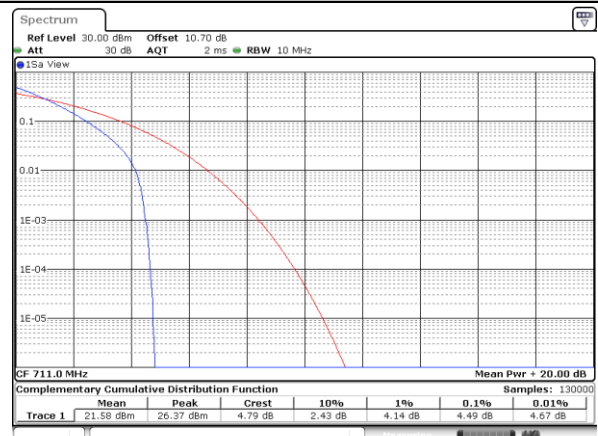
Date: 13.FEB.2020 01:47:41

Highest Channel / 1RB



Date: 13.FEB.2020 01:48:39

Highest Channel / Full RB



Date: 13.FEB.2020 01:48:08

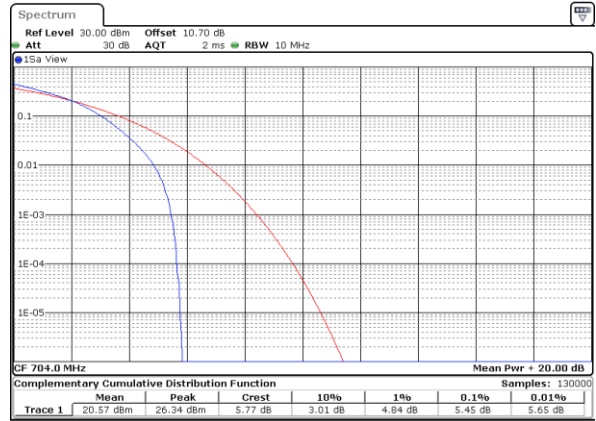
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 13.FEB.2020 01:40:34

Lowest Channel / Full RB



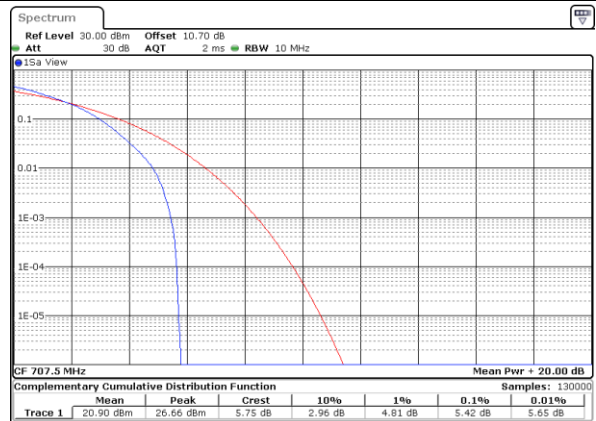
Date: 13.FEB.2020 01:40:10

Middle Channel / 1RB



Date: 13.FEB.2020 01:40:59

Middle Channel / Full RB



Date: 13.FEB.2020 01:40:04

Highest Channel / 1RB



Date: 13.FEB.2020 01:46:10

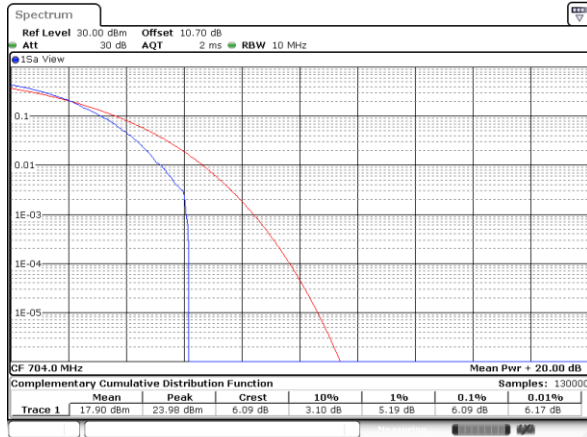
Highest Channel / Full RB



Date: 13.FEB.2020 01:44:23

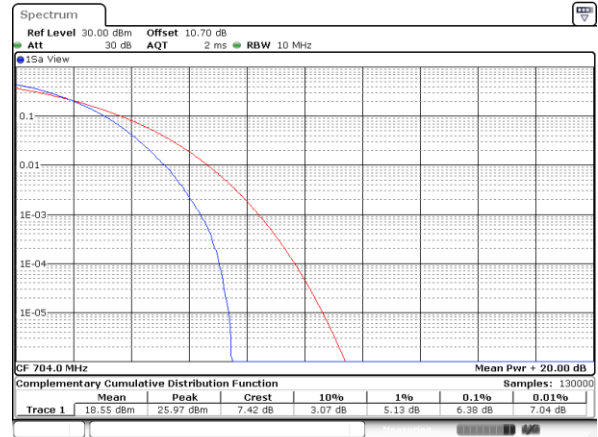
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 13.FEB.2020 01:38:34

Lowest Channel / Full RB



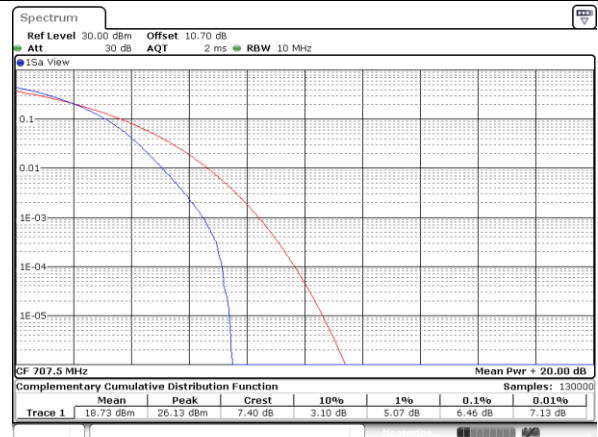
Date: 13.FEB.2020 01:38:03

Middle Channel / 1RB



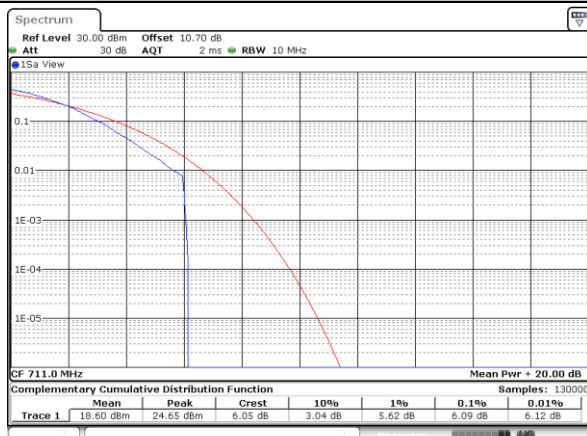
Date: 13.FEB.2020 01:38:50

Middle Channel / Full RB



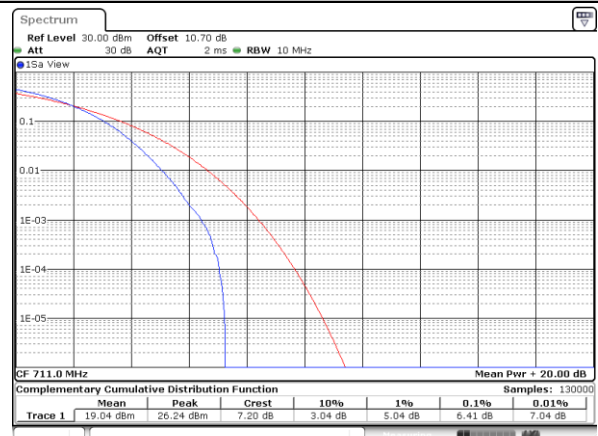
Date: 13.FEB.2020 01:39:04

Highest Channel / 1RB



Date: 13.FEB.2020 01:39:51

Highest Channel / Full RB



Date: 13.FEB.2020 01:39:19

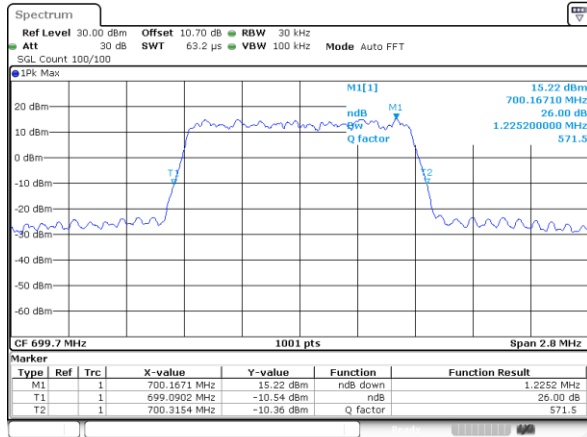
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.23	1.22	3.05	3.03	4.87	4.87	9.91	9.93	-	-	-	-
Middle CH	1.23	1.24	3.06	3.02	4.99	4.88	9.75	9.71	-	-	-	-
Highest CH	1.23	1.23	3.07	3.00	4.97	4.85	9.75	9.77	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.03	-	4.95	-	9.87	-	-	-	-	-
Middle CH	1.23	-	3.02	-	4.88	-	9.81	-	-	-	-	-
Highest CH	1.21	-	3.02	-	4.83	-	9.63	-	-	-	-	-



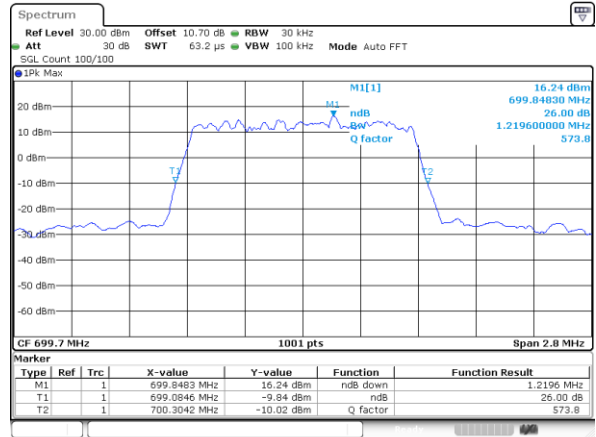
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



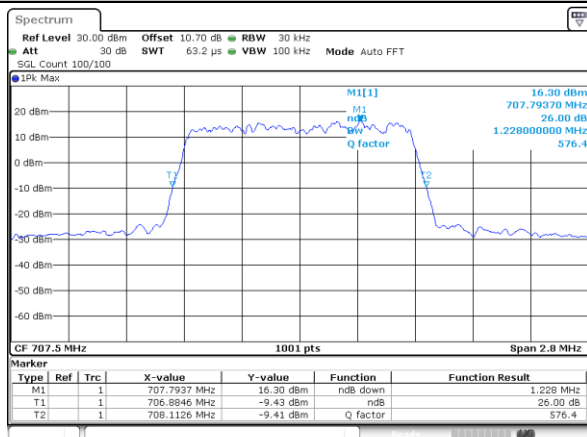
Date: 12.FEB.2020 18:13:27

Lowest Channel / 1.4MHz / 16QAM



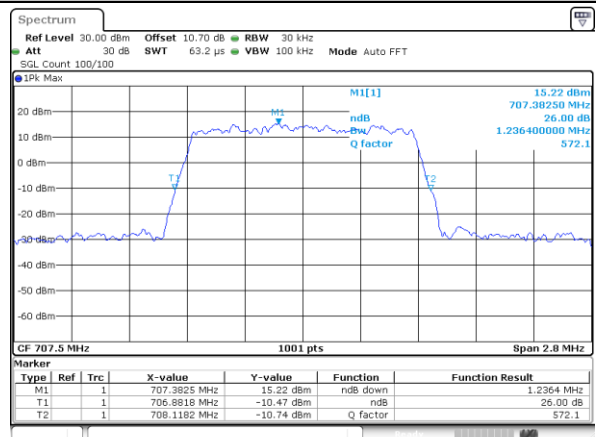
Date: 12.FEB.2020 18:13:13

Middle Channel / 1.4MHz / QPSK



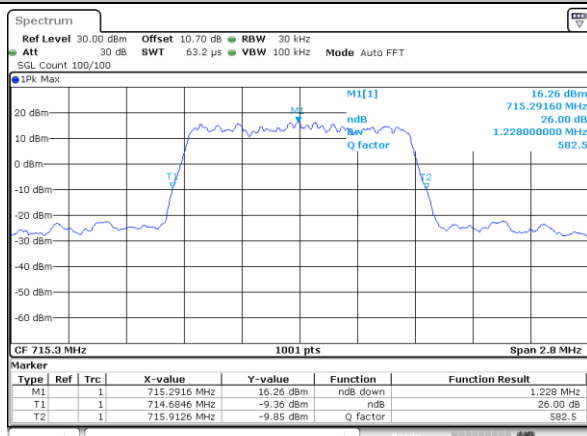
Date: 12.FEB.2020 18:20:42

Middle Channel / 1.4MHz / 16QAM



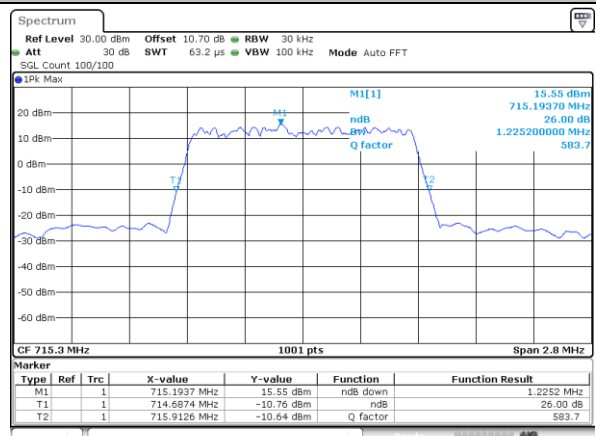
Date: 12.FEB.2020 18:20:55

Highest Channel / 1.4MHz / QPSK



Date: 12.FEB.2020 18:23:39

Highest Channel / 1.4MHz / 16QAM

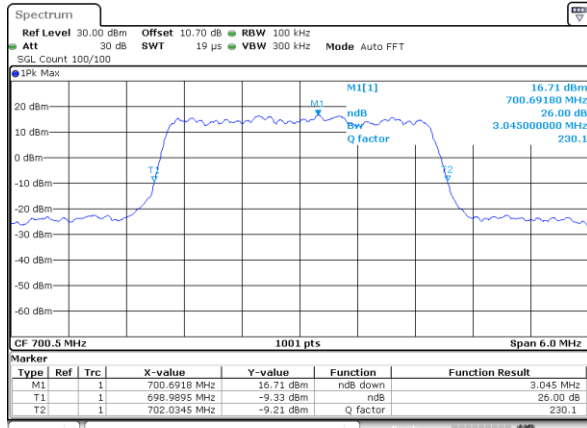


Date: 12.FEB.2020 18:23:25

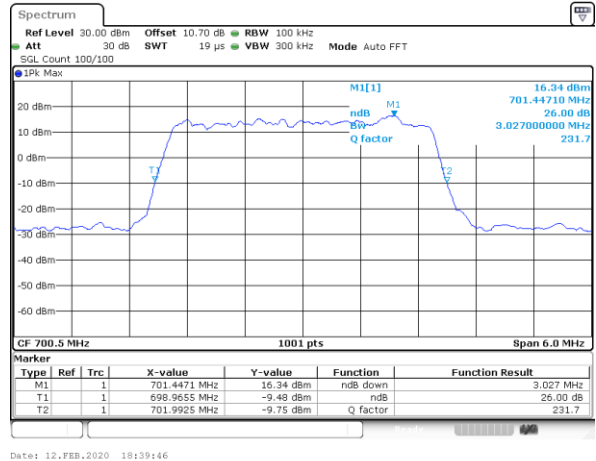


LTE Band 12

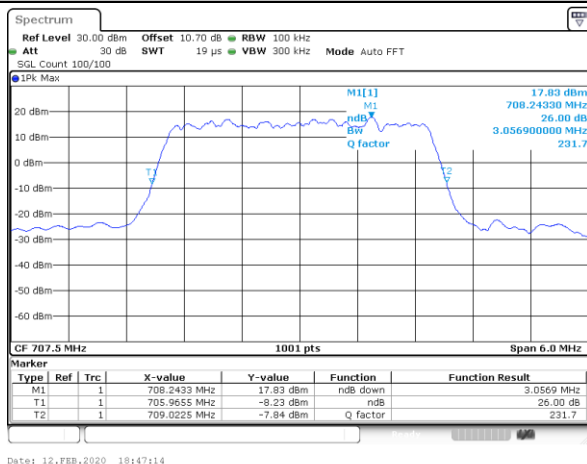
Lowest Channel / 3MHz / QPSK



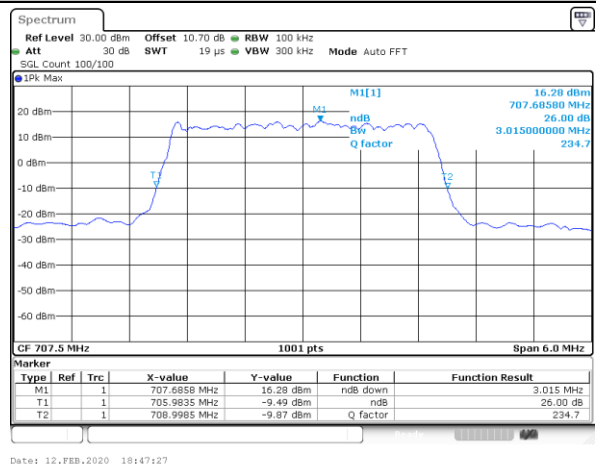
Lowest Channel / 3MHz / 16QAM



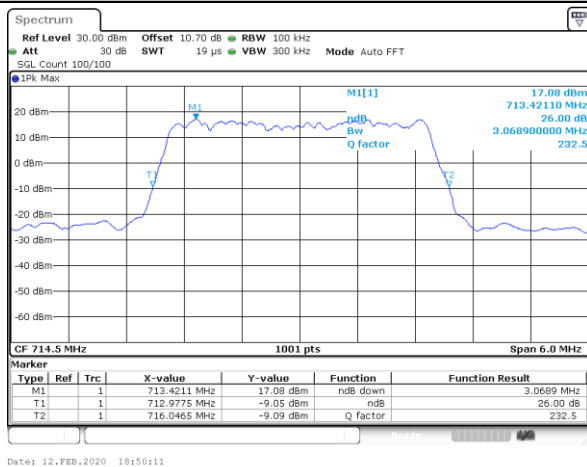
Middle Channel / 3MHz / QPSK



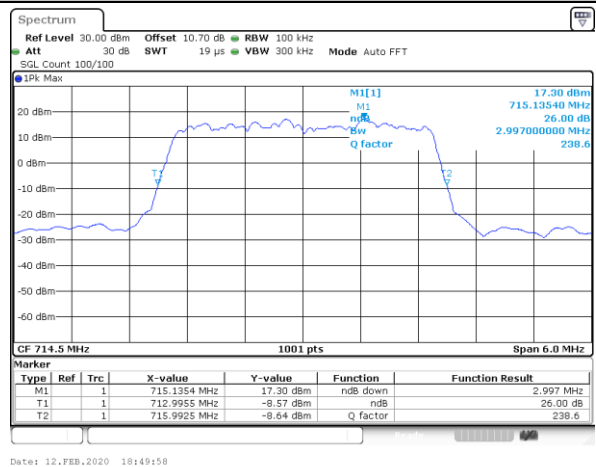
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



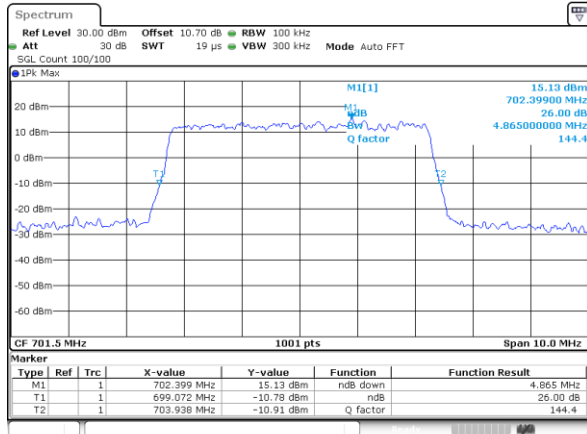
Highest Channel / 3MHz / 16QAM



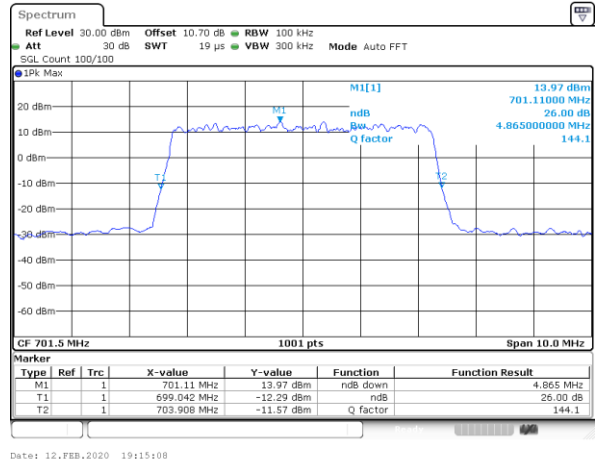


LTE Band 12

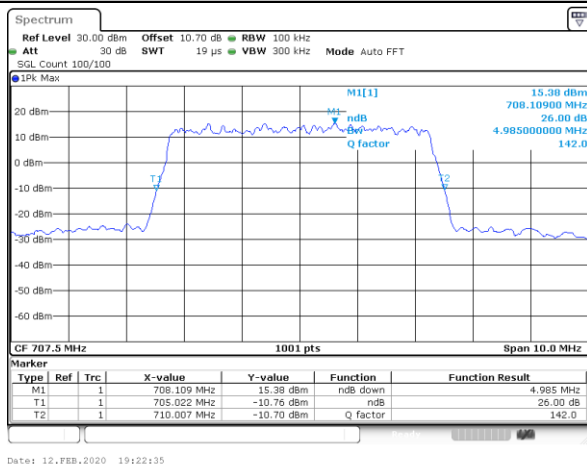
Lowest Channel / 5MHz / QPSK



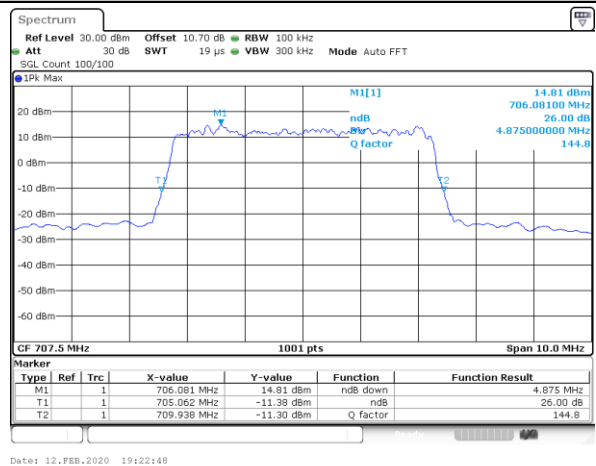
Lowest Channel / 5MHz / 16QAM



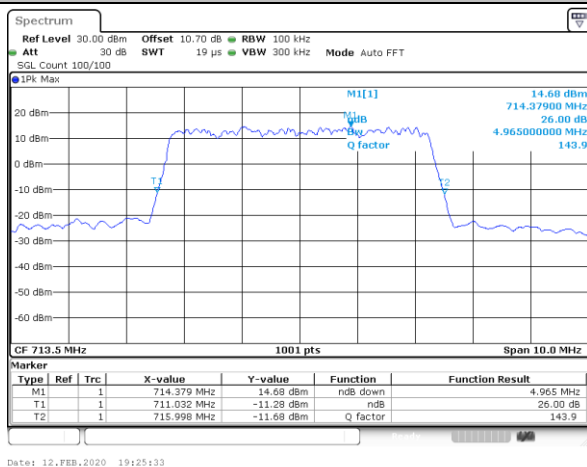
Middle Channel / 5MHz / QPSK



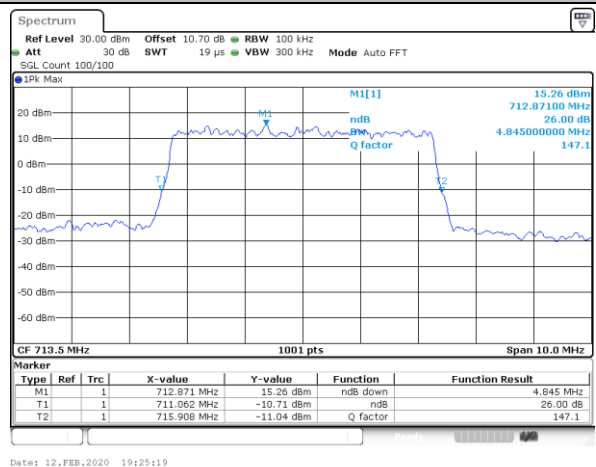
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



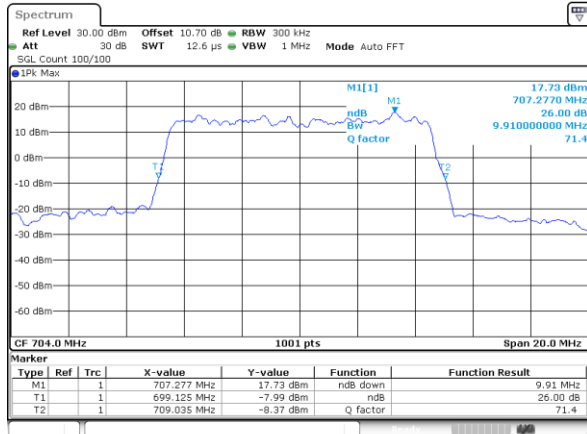
Highest Channel / 5MHz / 16QAM





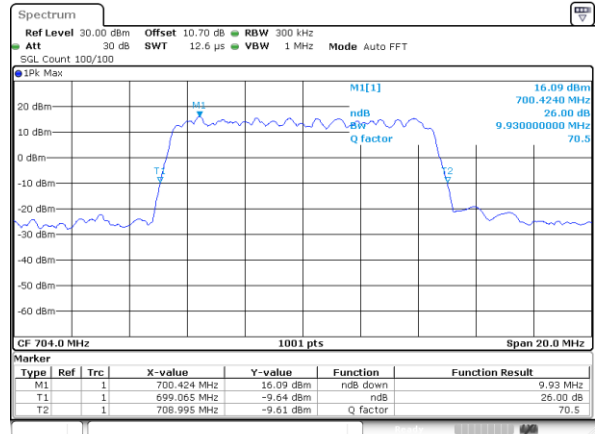
LTE Band 12

Lowest Channel / 10MHz / QPSK



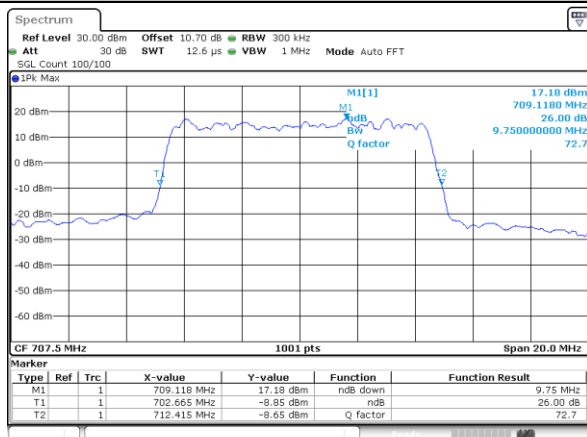
Date: 12.FEB.2020 19:33:02

Lowest Channel / 10MHz / 16QAM



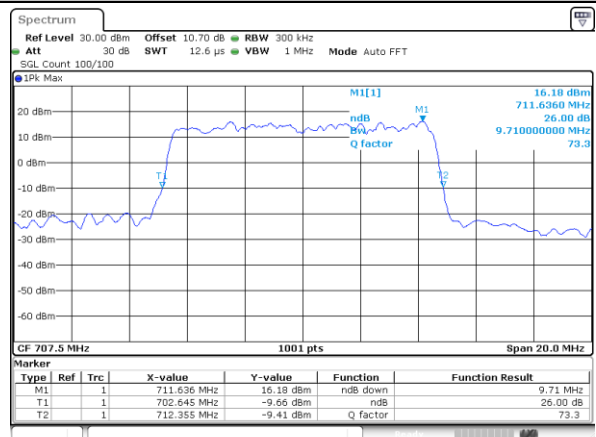
Date: 12.FEB.2020 19:32:48

Middle Channel / 10MHz / QPSK



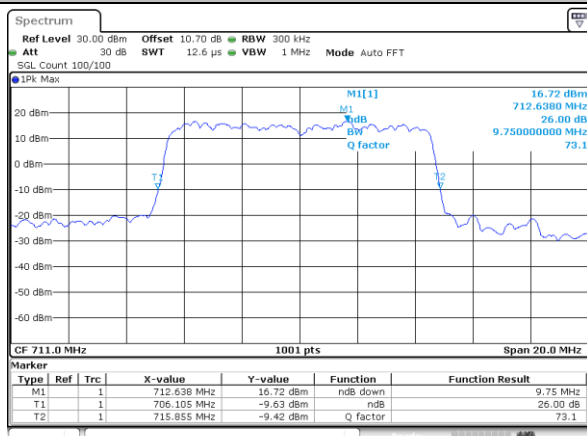
Date: 12.FEB.2020 19:40:16

Middle Channel / 10MHz / 16QAM



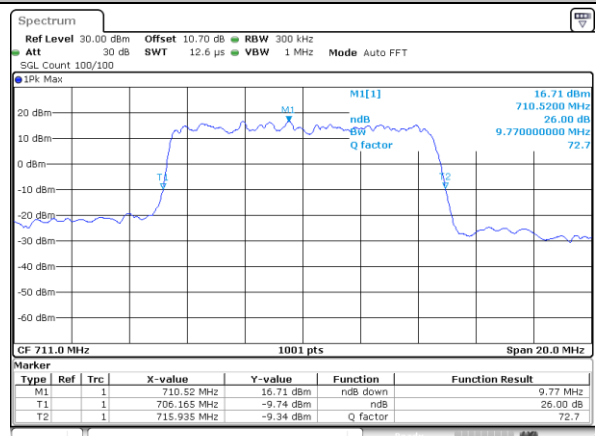
Date: 12.FEB.2020 19:40:29

Highest Channel / 10MHz / QPSK



Date: 12.FEB.2020 19:43:13

Highest Channel / 10MHz / 16QAM

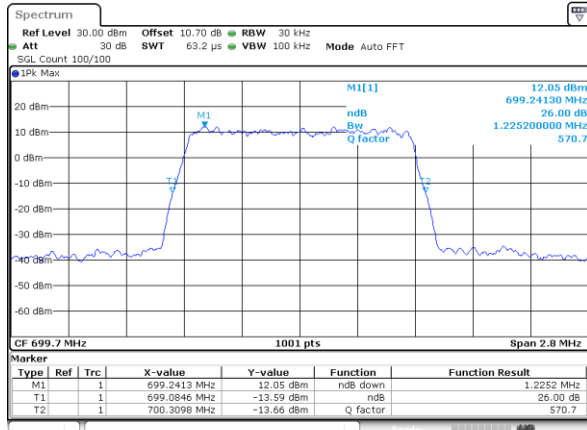


Date: 12.FEB.2020 19:42:59



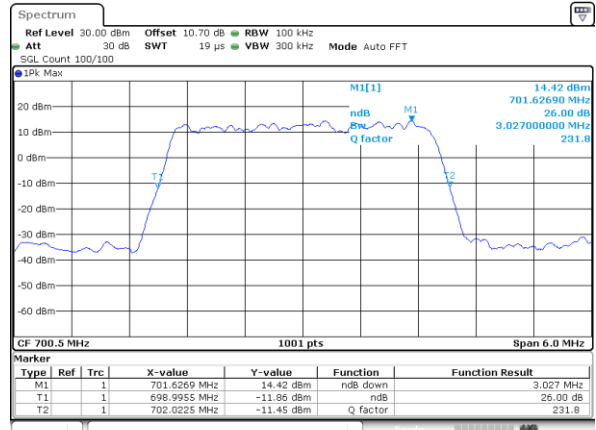
LTE Band 12

Lowest Channel / 1.4MHz / 64QAM



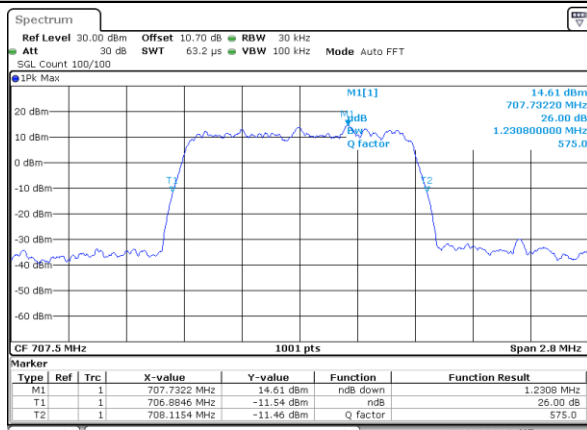
Date: 12.FEB.2020 18:30:42

Lowest Channel / 3MHz / 64QAM



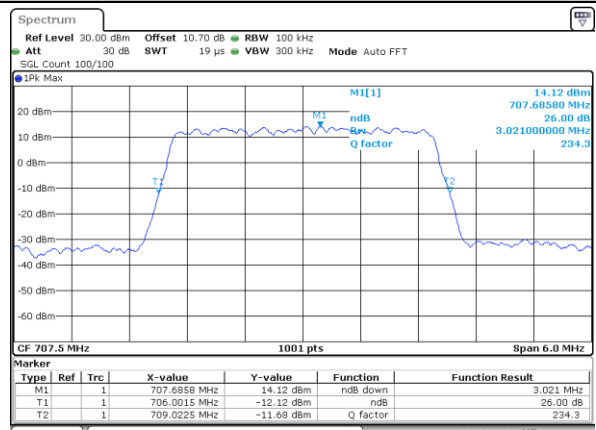
Date: 12.FEB.2020 18:57:13

Middle Channel / 1.4MHz / 64QAM



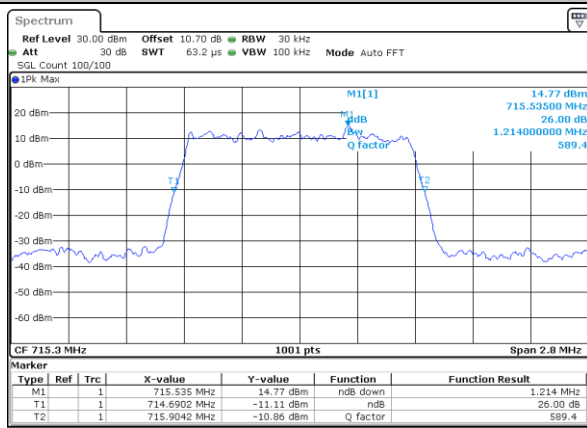
Date: 12.FEB.2020 18:34:25

Middle Channel / 3MHz / 64QAM



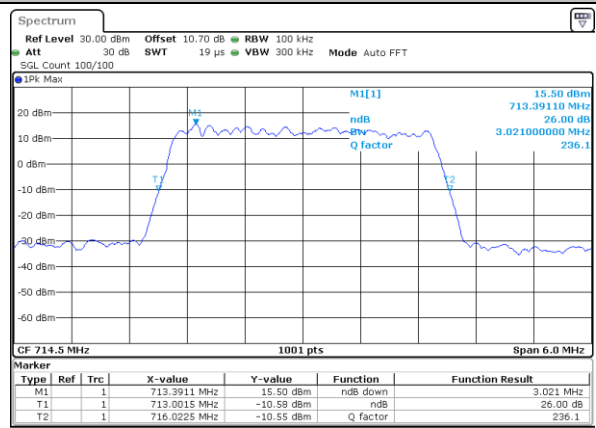
Date: 12.FEB.2020 19:00:57

Highest Channel / 1.4MHz / 64QAM



Date: 12.FEB.2020 18:35:47

Highest Channel / 3MHz / 64QAM

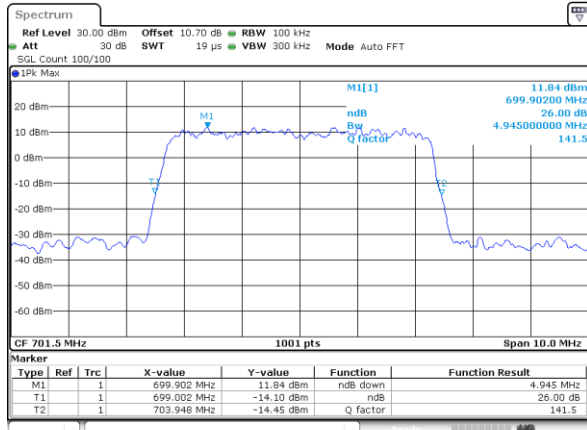


Date: 12.FEB.2020 19:02:19

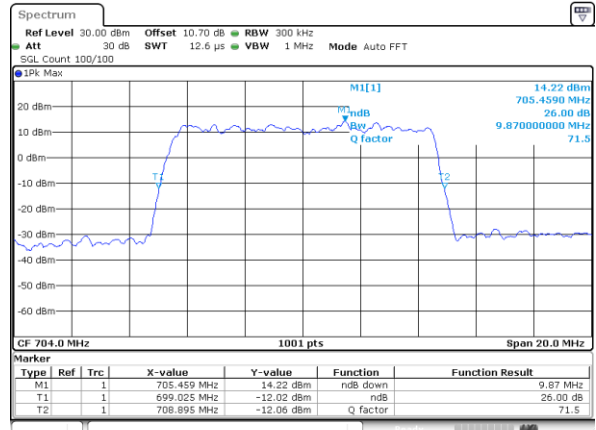


LTE Band 12

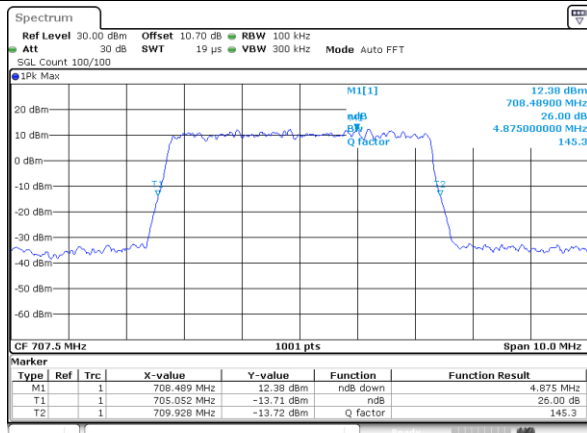
Lowest Channel / 5MHz / 64QAM



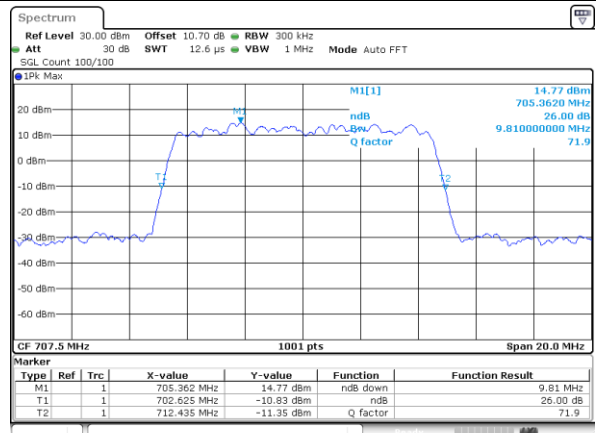
Lowest Channel / 10MHz / 64QAM



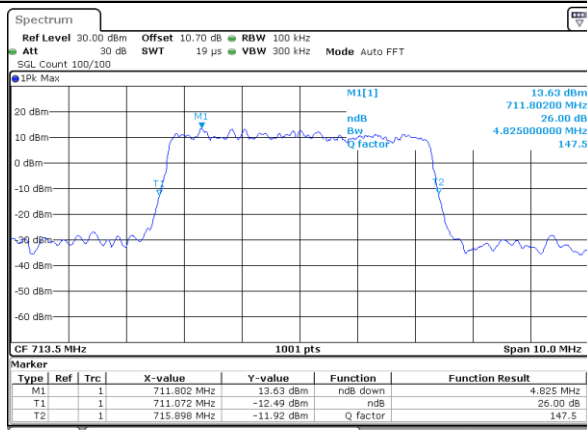
Middle Channel / 5MHz / 64QAM



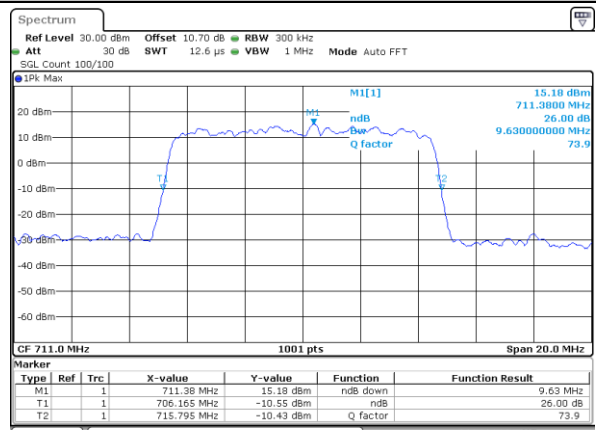
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM



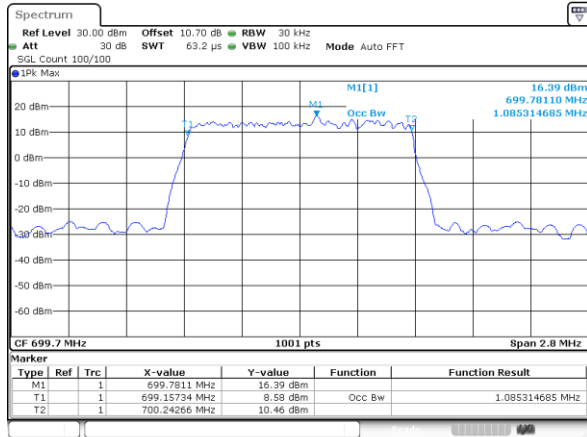
**Occupied Bandwidth**

Mode	LTE Band 12 : 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	1.09	1.10	2.73	2.70	4.49	4.49	9.05	9.03	-	-	-	-
Middle CH	1.09	1.09	2.72	2.71	4.50	4.49	9.03	8.99	-	-	-	-
Highest CH	1.09	1.09	2.72	2.71	4.48	4.48	9.01	8.99	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.73	-	4.50	-	8.97	-	-	-	-	-
Middle CH	1.09	-	2.72	-	4.49	-	9.03	-	-	-	-	-
Highest CH	1.10	-	2.73	-	4.49	-	8.99	-	-	-	-	-

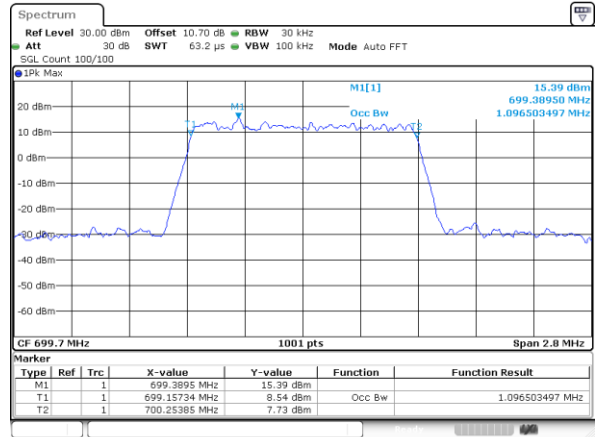


LTE Band 12

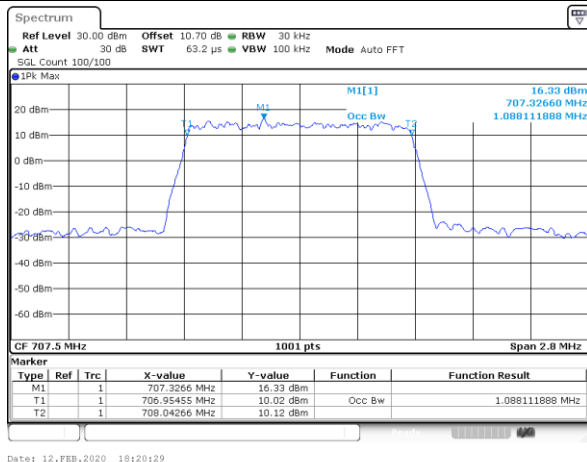
Lowest Channel / 1.4MHz / QPSK



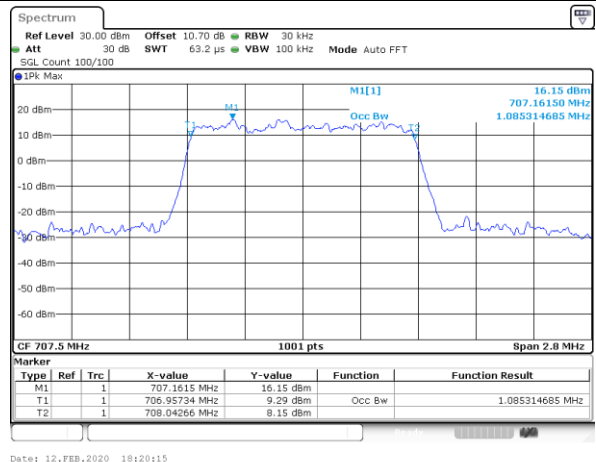
Lowest Channel / 1.4MHz / 16QAM



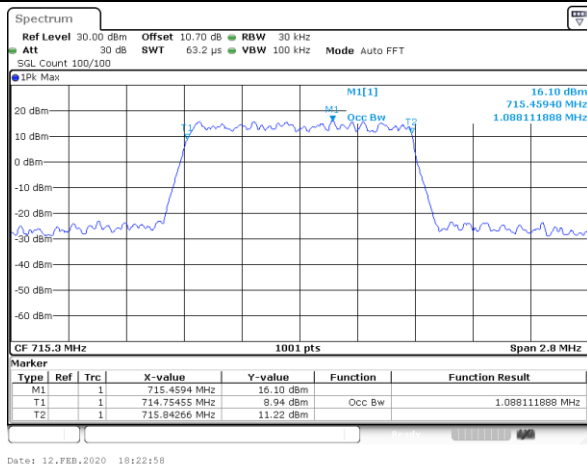
Middle Channel / 1.4MHz / QPSK



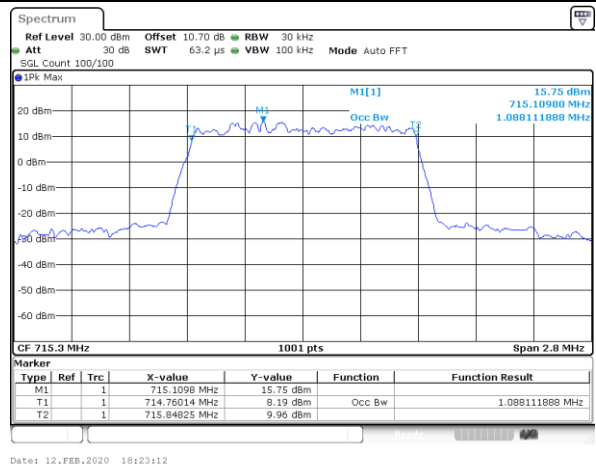
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



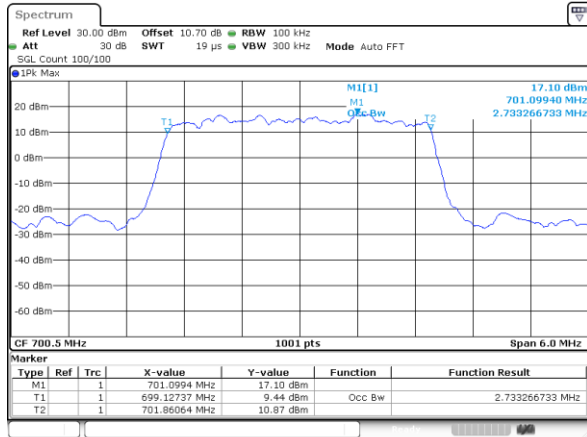
Highest Channel / 1.4MHz / 16QAM



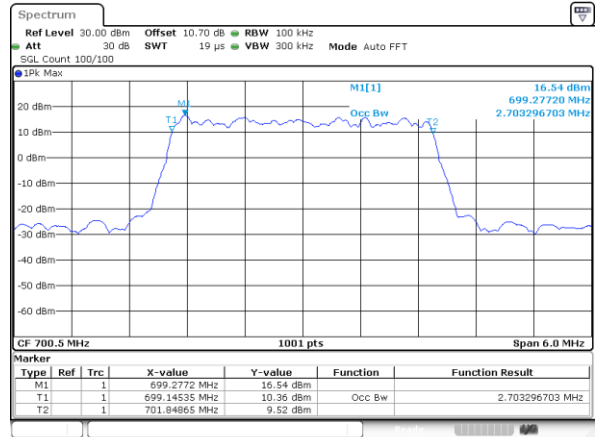


LTE Band 12

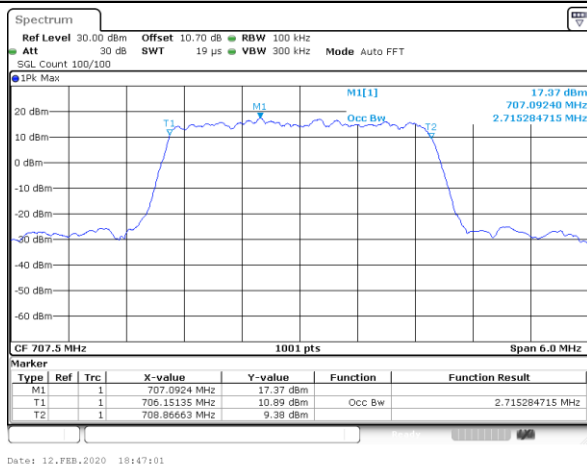
Lowest Channel / 3MHz / QPSK



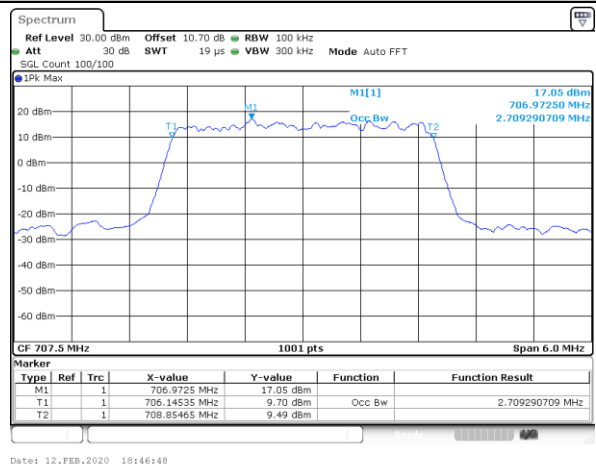
Lowest Channel / 3MHz / 16QAM



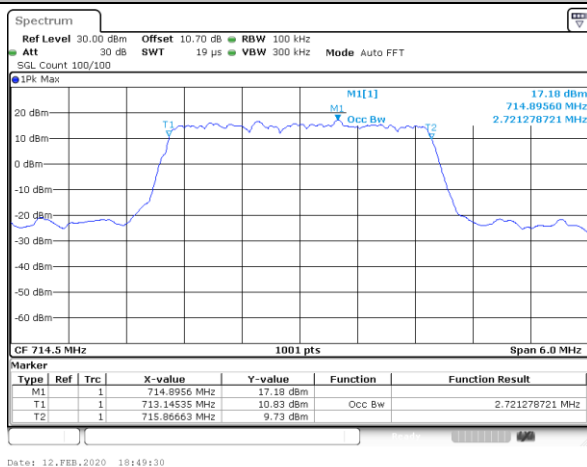
Middle Channel / 3MHz / QPSK



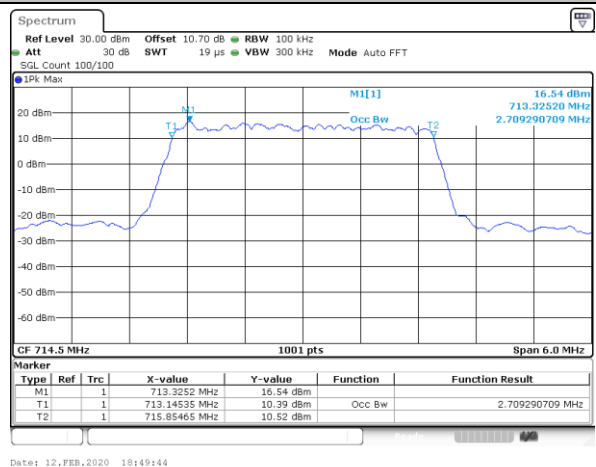
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



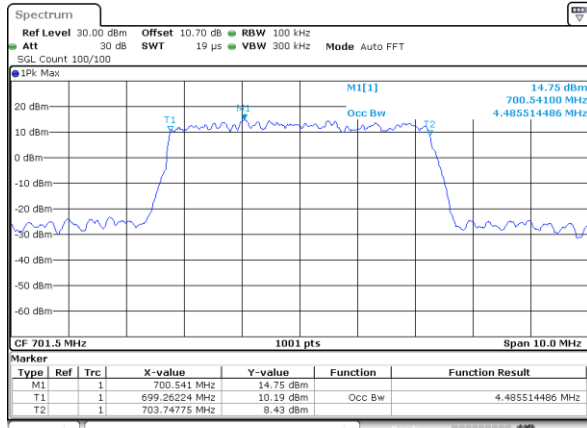
Highest Channel / 3MHz / 16QAM





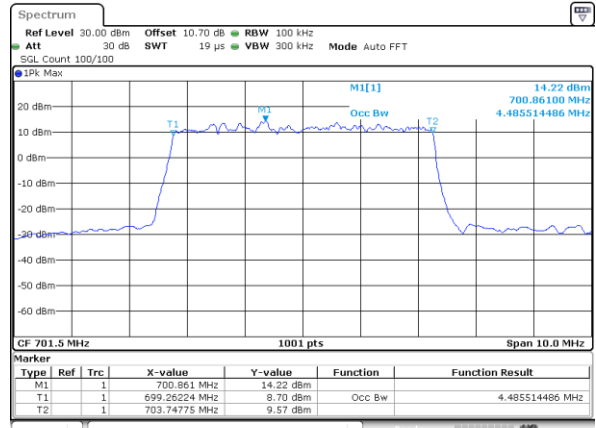
LTE Band 12

Lowest Channel / 5MHz / QPSK



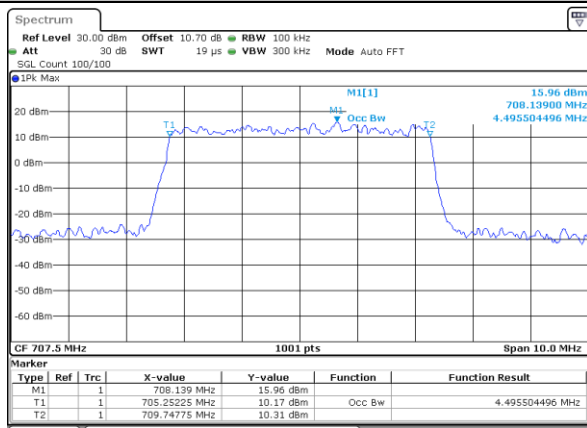
Date: 12.FEB.2020 19:14:40

Lowest Channel / 5MHz / 16QAM



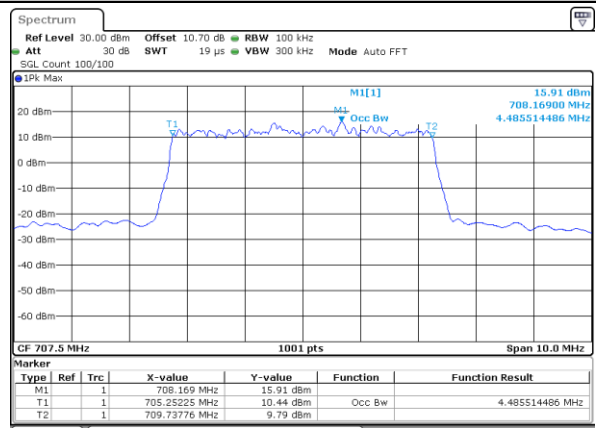
Date: 12.FEB.2020 19:14:54

Middle Channel / 5MHz / QPSK



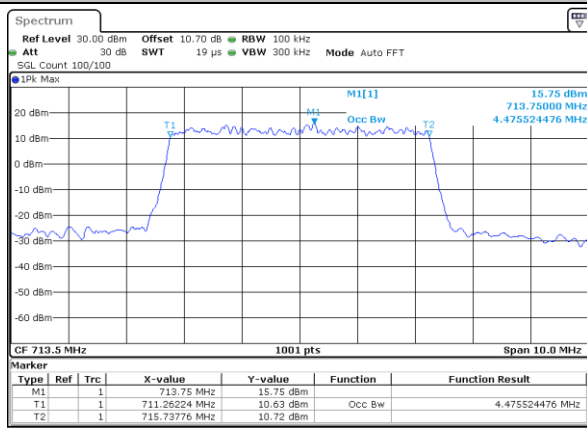
Date: 12.FEB.2020 19:22:22

Middle Channel / 5MHz / 16QAM



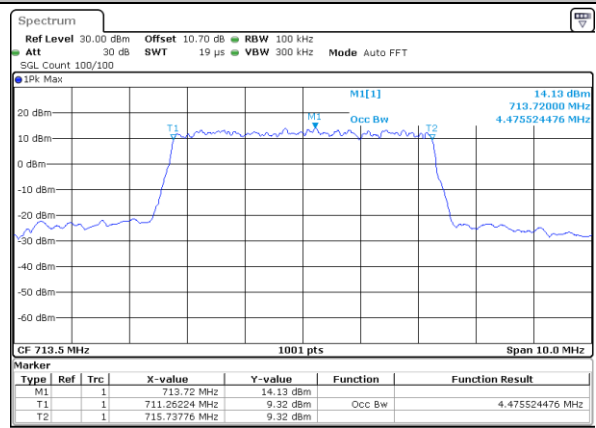
Date: 12.FEB.2020 19:22:09

Highest Channel / 5MHz / QPSK



Date: 12.FEB.2020 19:24:51

Highest Channel / 5MHz / 16QAM

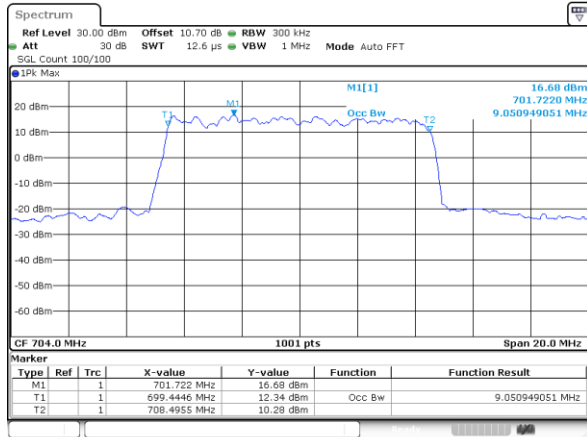


Date: 12.FEB.2020 19:25:05

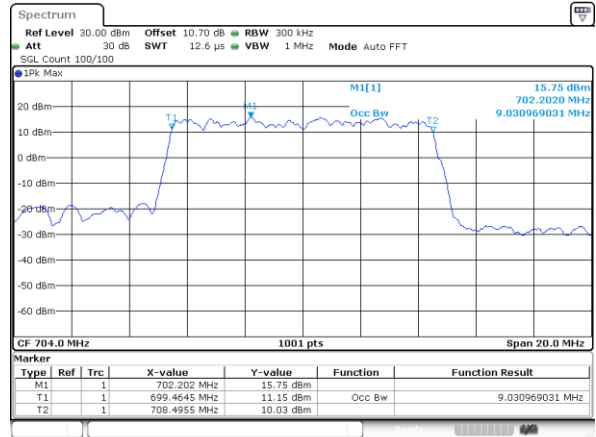


LTE Band 12

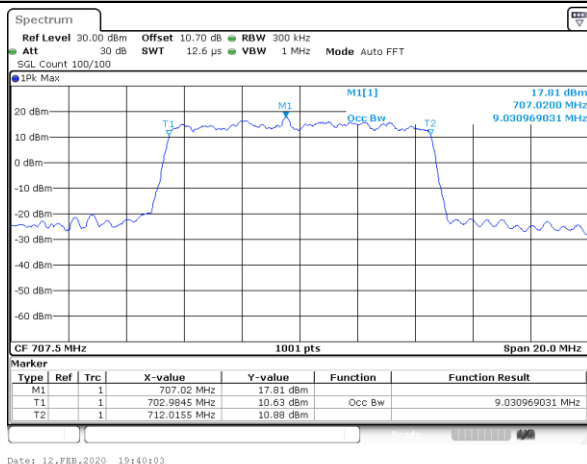
Lowest Channel / 10MHz / QPSK



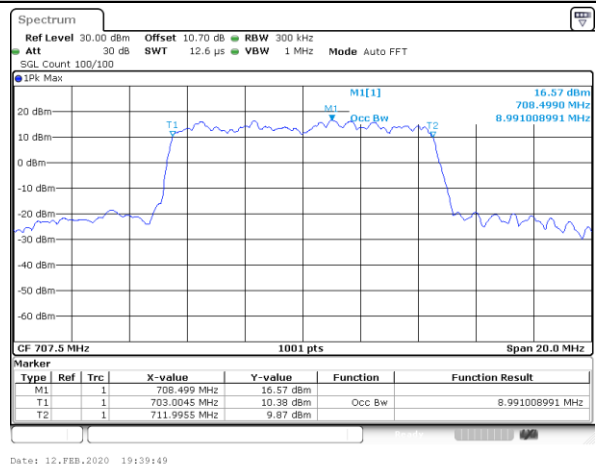
Lowest Channel / 10MHz / 16QAM



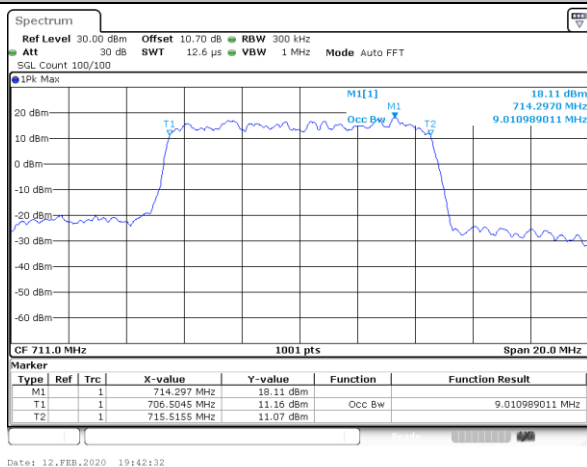
Middle Channel / 10MHz / QPSK



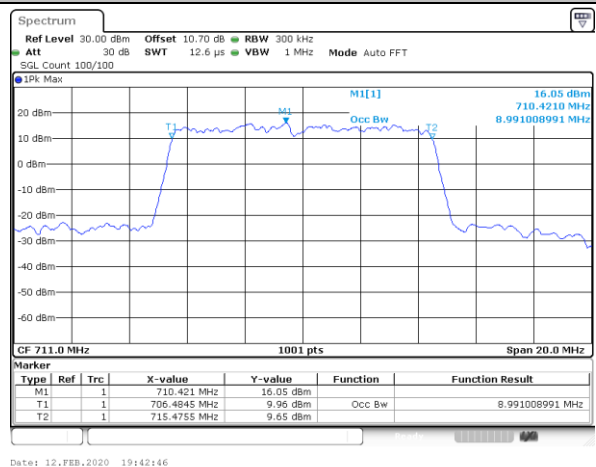
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



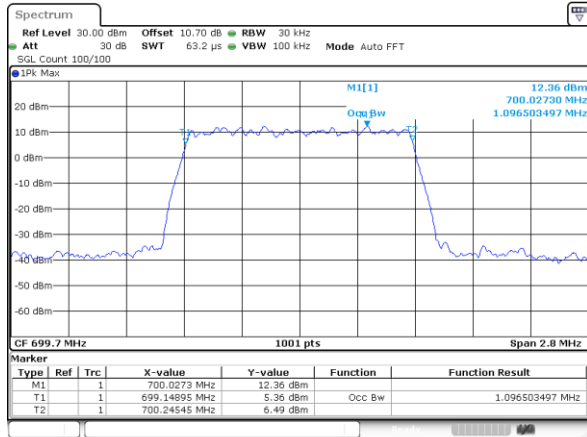
Highest Channel / 10MHz / 16QAM



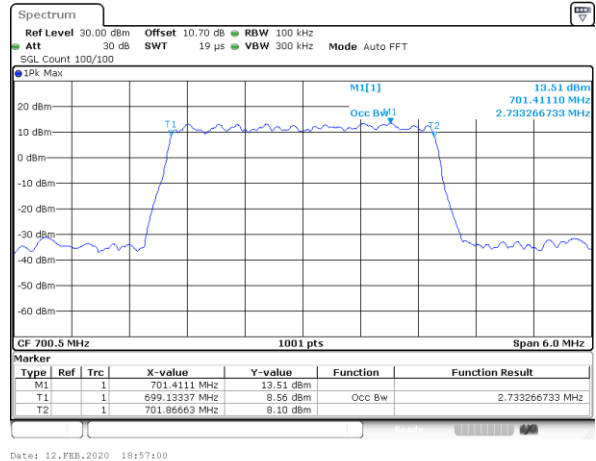


LTE Band 12

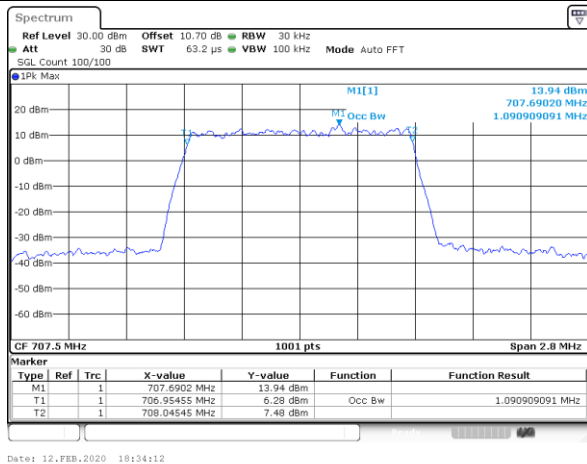
Lowest Channel / 1.4MHz / 64QAM



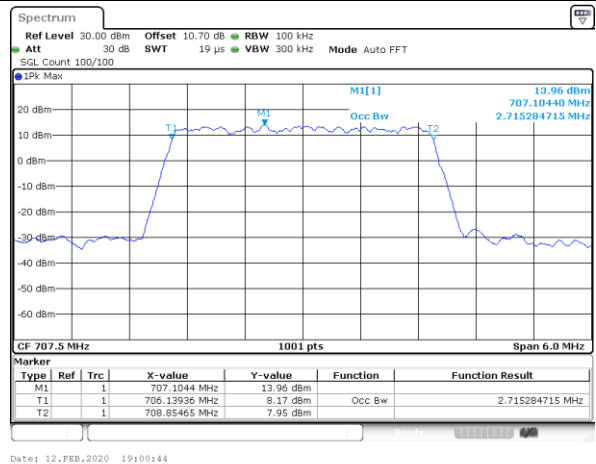
Lowest Channel / 3MHz / 64QAM



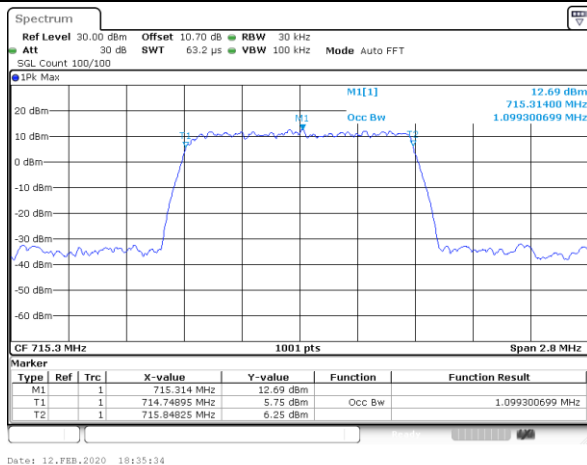
Middle Channel / 1.4MHz / 64QAM



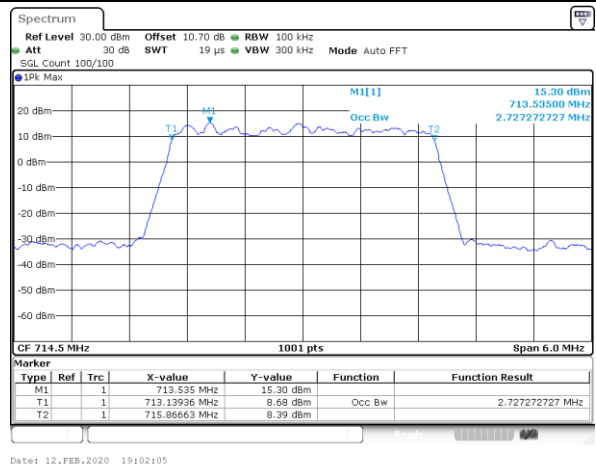
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



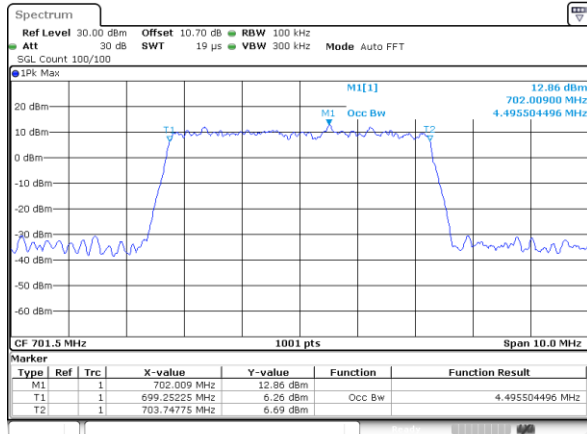
Highest Channel / 3MHz / 64QAM



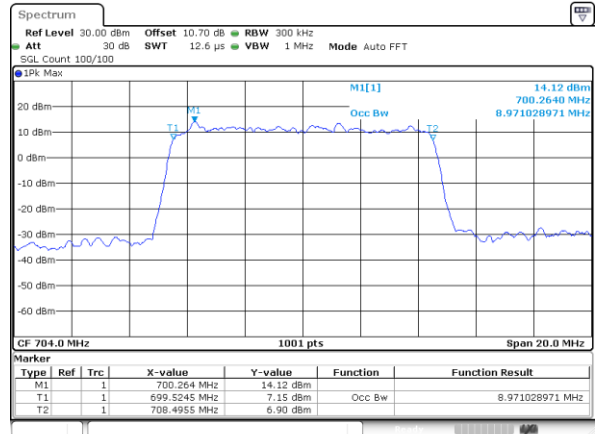


LTE Band 12

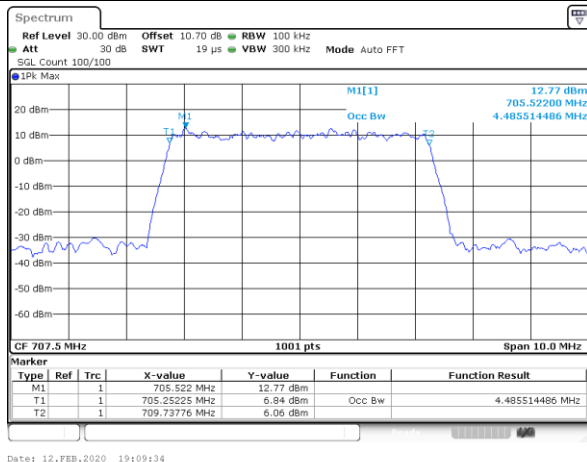
Lowest Channel / 5MHz / 64QAM



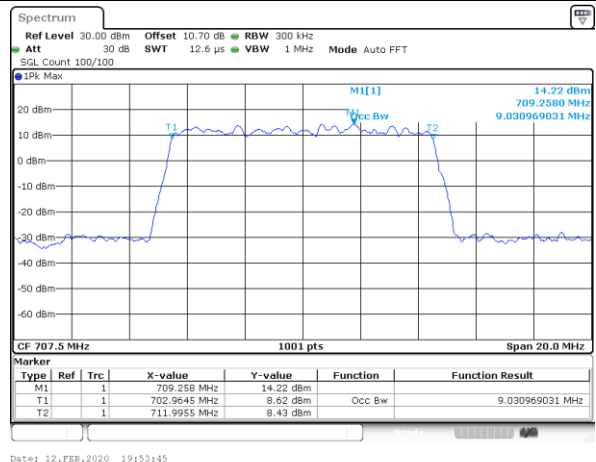
Lowest Channel / 10MHz / 64QAM



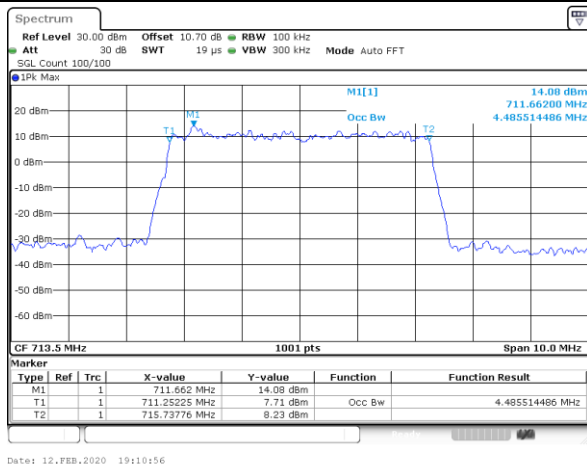
Middle Channel / 5MHz / 64QAM



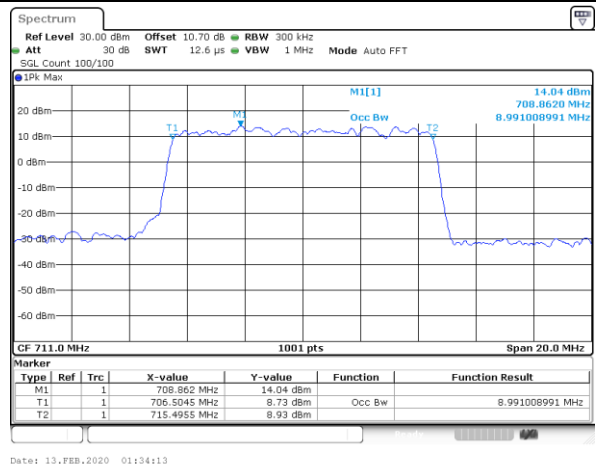
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

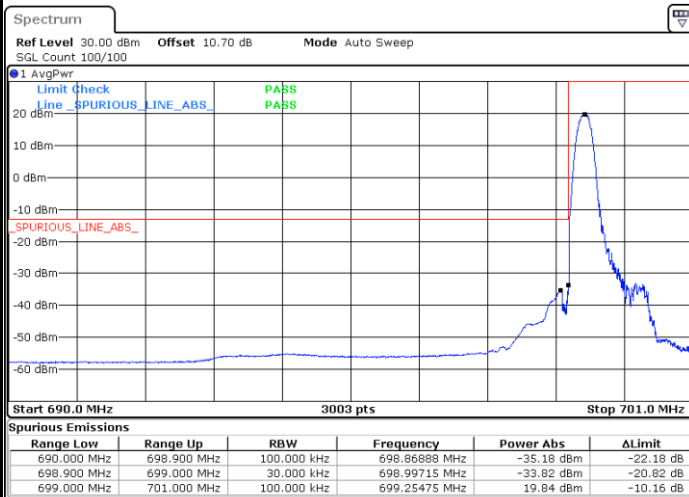




Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

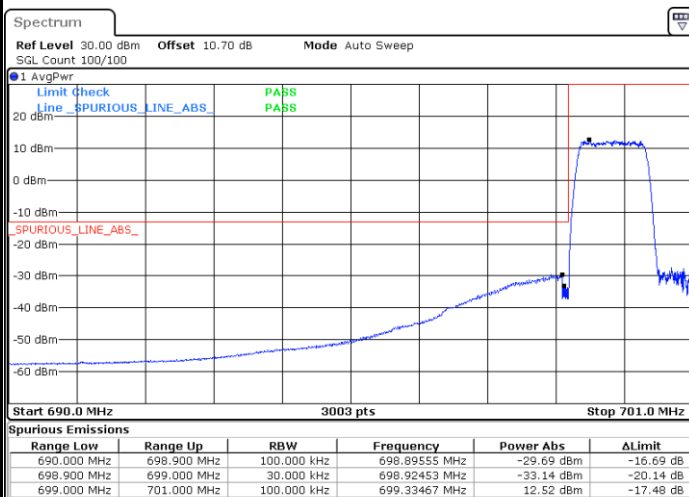
Lowest Band Edge / 1 RB



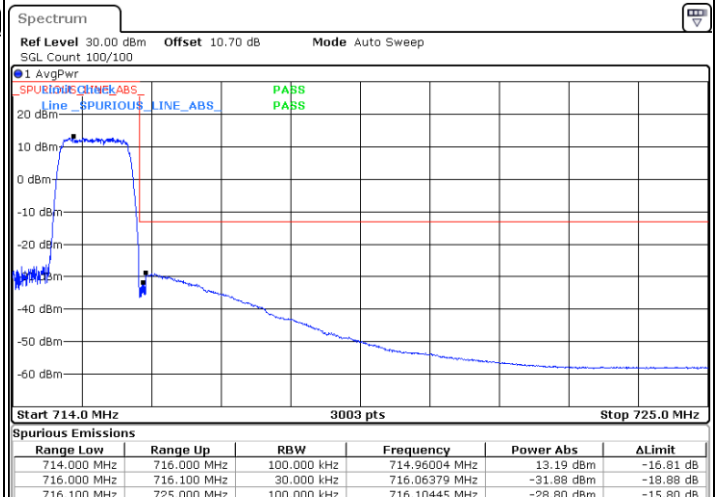
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



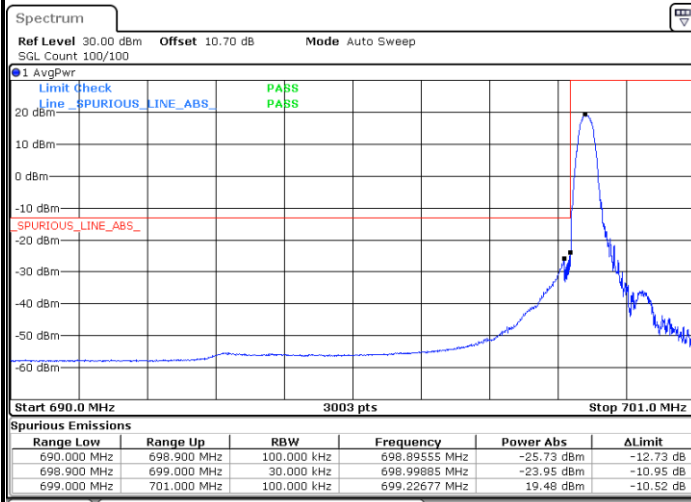
Highest Band Edge / Full RB



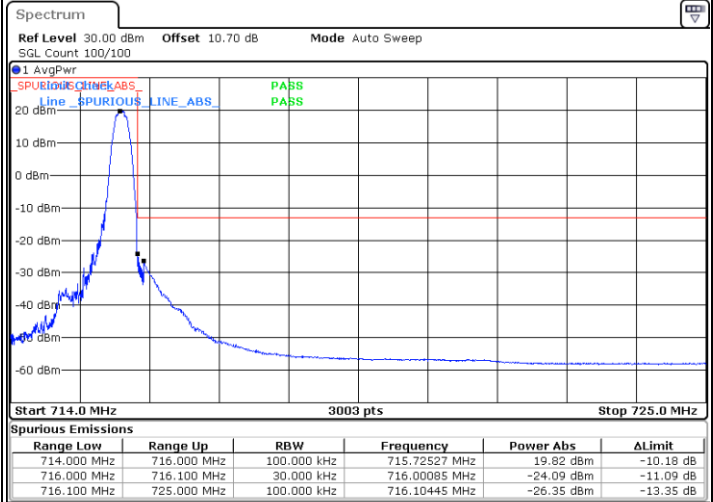


LTE Band 12 / 1.4MHz / 16QAM

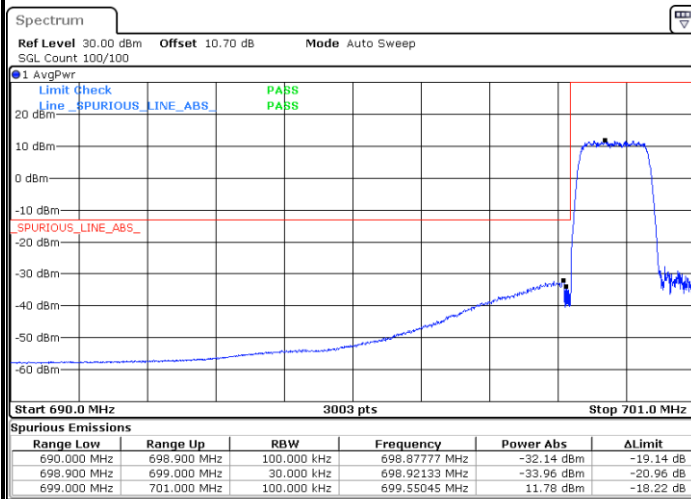
Lowest Band Edge / 1 RB



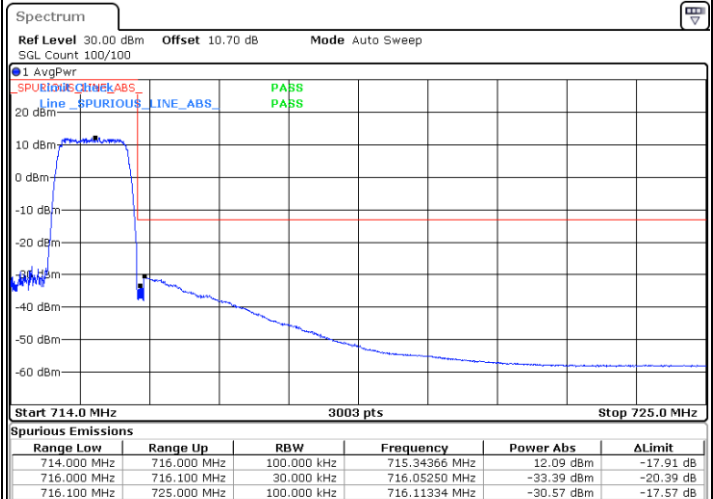
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



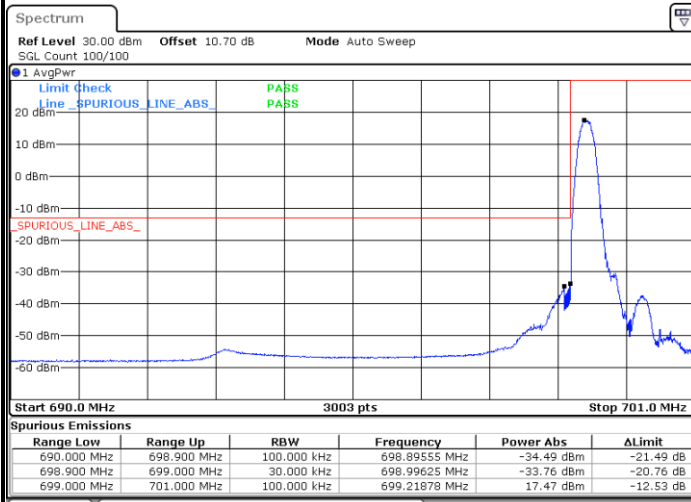
Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 64QAM

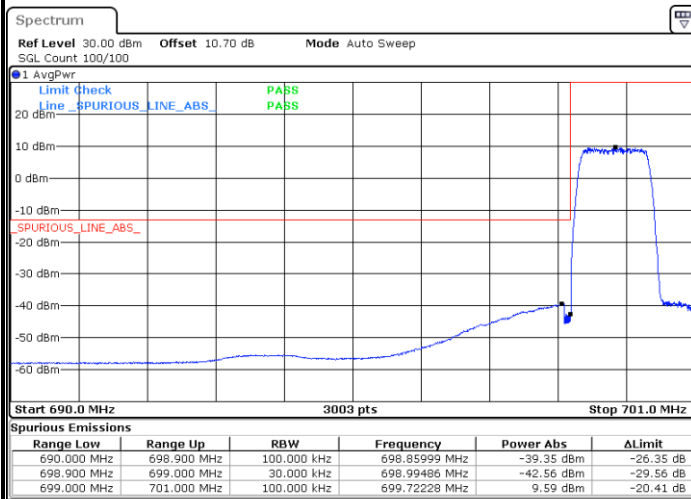
Lowest Band Edge / 1 RB



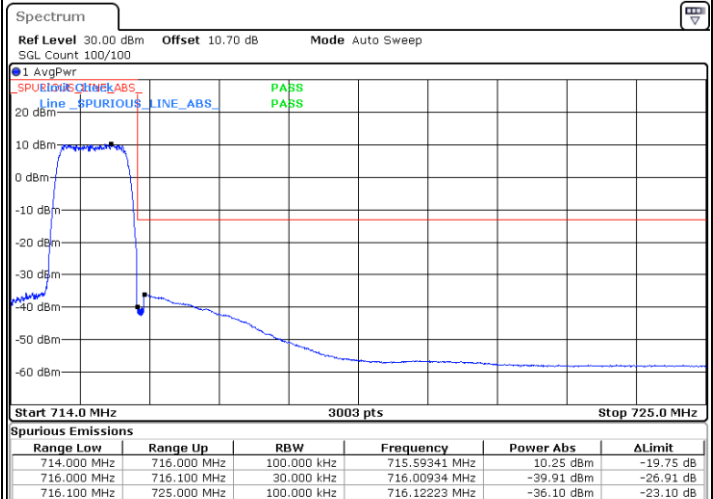
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



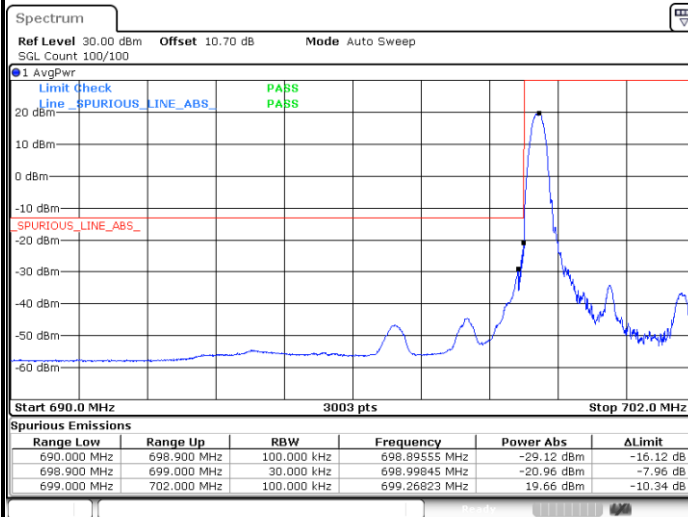
Highest Band Edge / Full RB



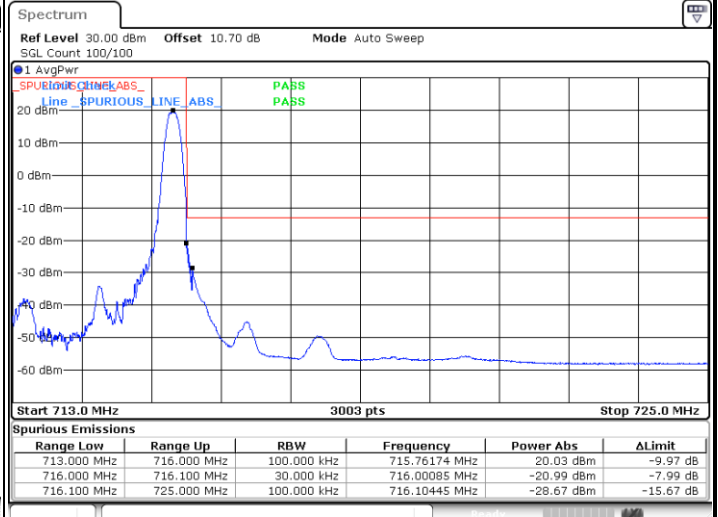


LTE Band 12 / 3MHz / QPSK

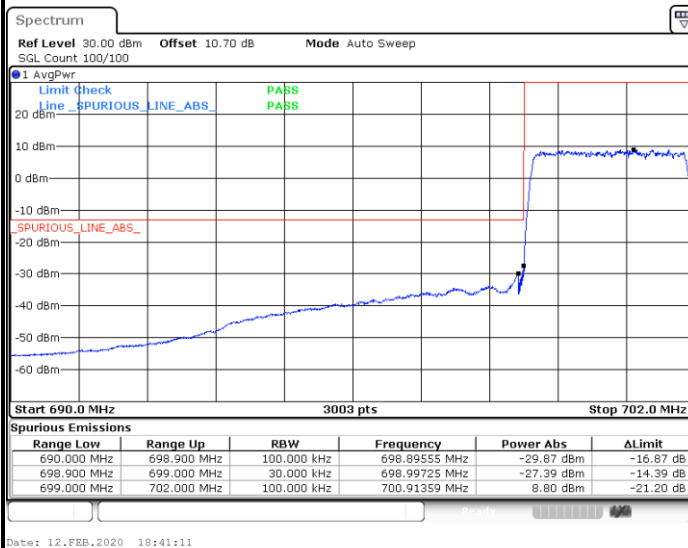
Lowest Band Edge / 1RB



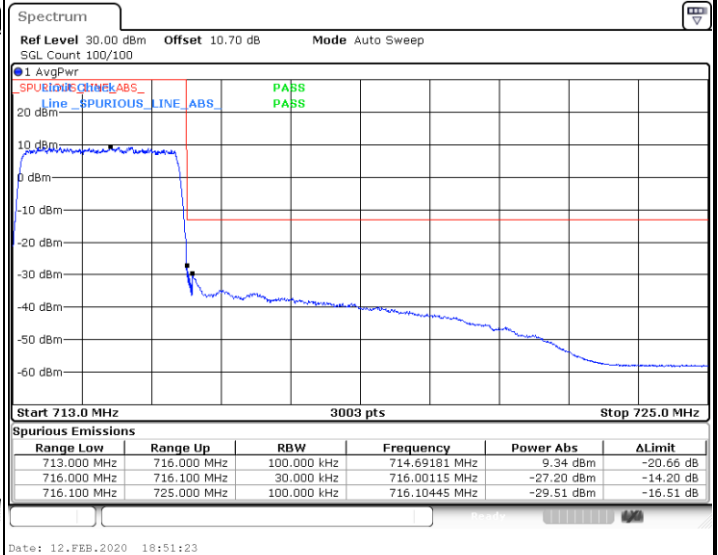
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



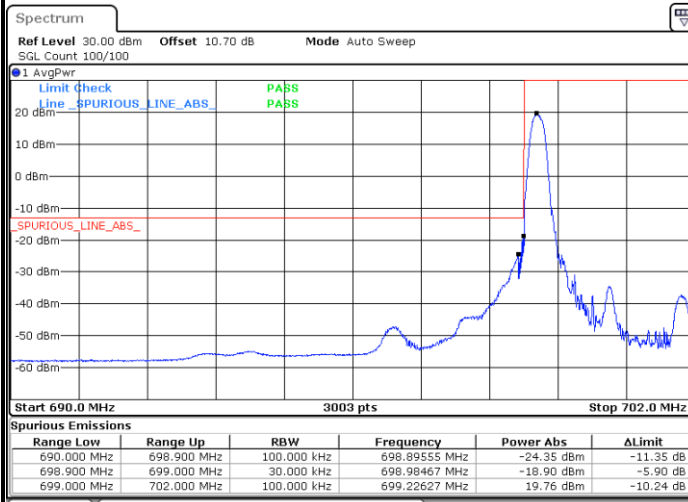
Highest Band Edge / Full RB



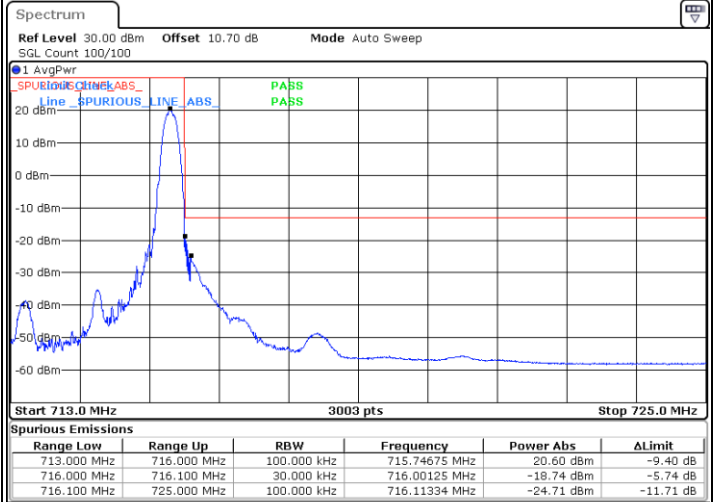


LTE Band 12 / 3MHz / 16QAM

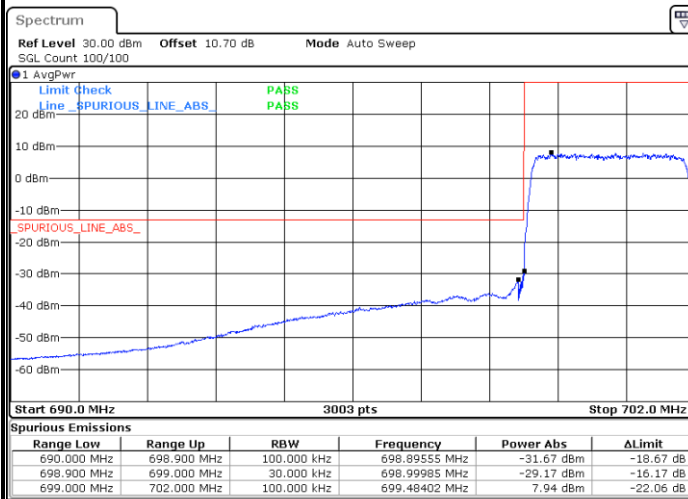
Lowest Band Edge / 1 RB



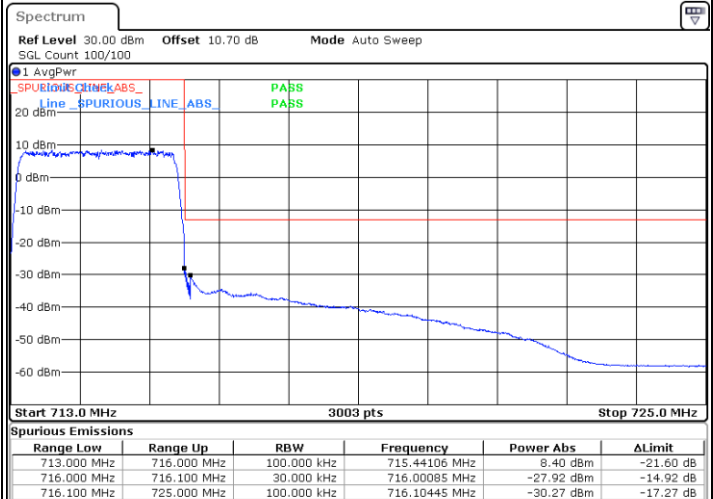
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



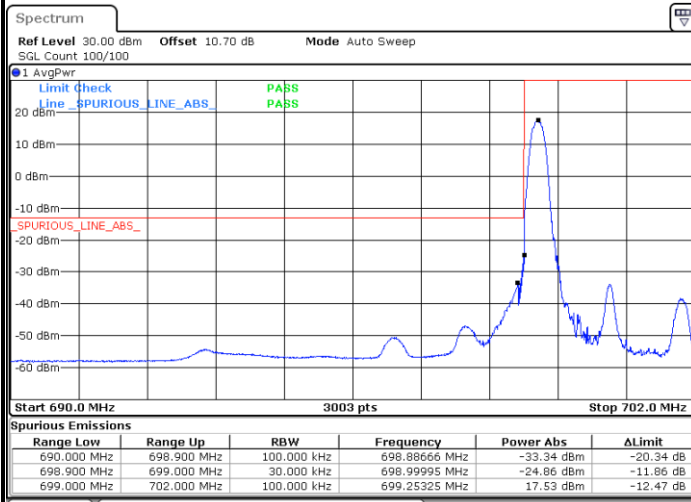
Highest Band Edge / Full RB





LTE Band 12 / 3MHz / 64QAM

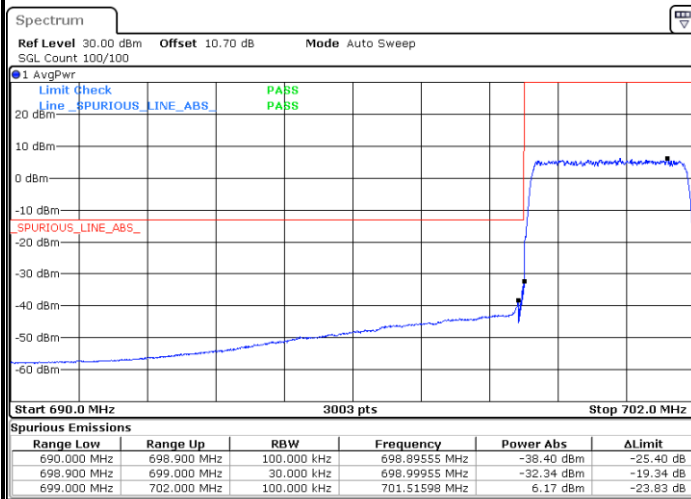
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

