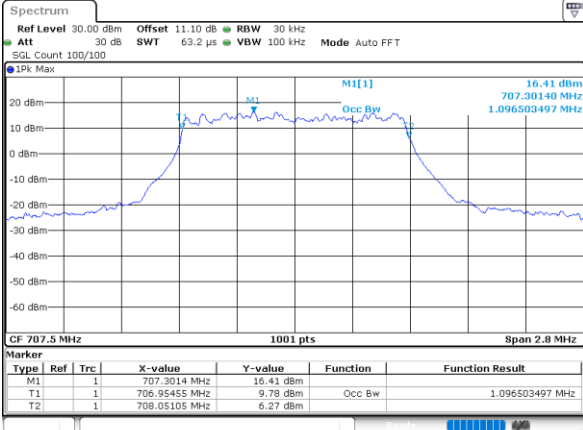




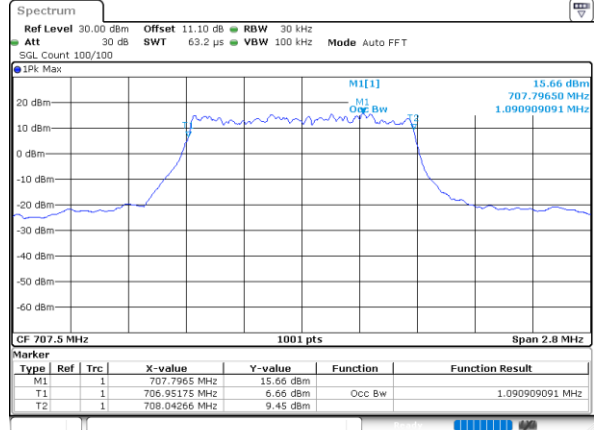
LTE Band 12

Middle Channel / 1.4MHz / QPSK



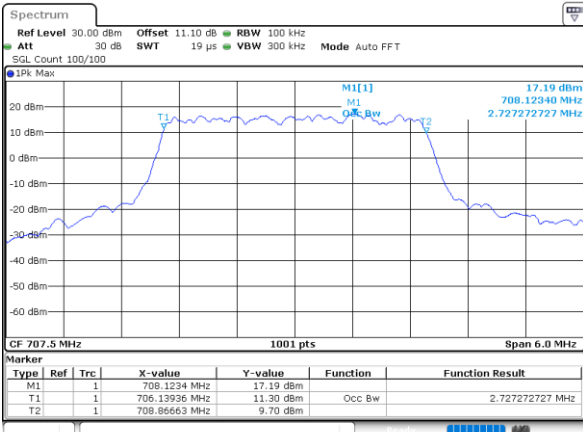
Date: 26.NOV.2021 20:37:00

Middle Channel / 1.4MHz / 16QAM



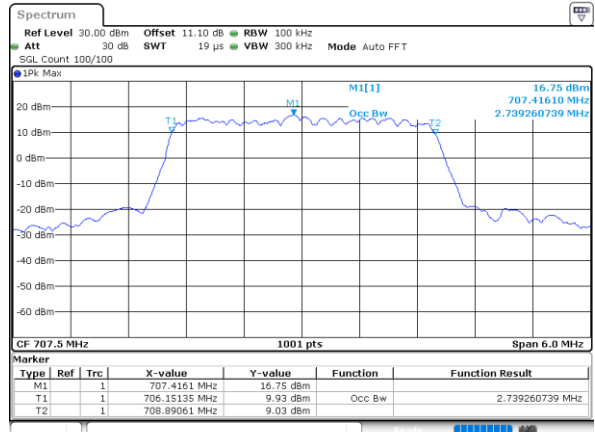
Date: 26.NOV.2021 20:16:39

Middle Channel / 3MHz / QPSK



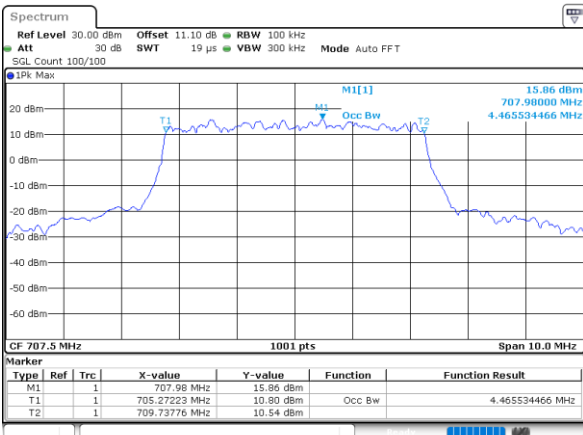
Date: 26.NOV.2021 20:58:14

Middle Channel / 3MHz / 16QAM



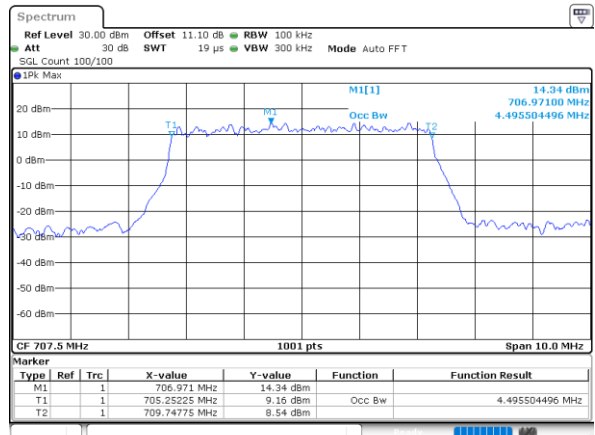
Date: 26.NOV.2021 20:57:53

Middle Channel / 5MHz / QPSK



Date: 26.NOV.2021 21:16:19

Middle Channel / 5MHz / 16QAM

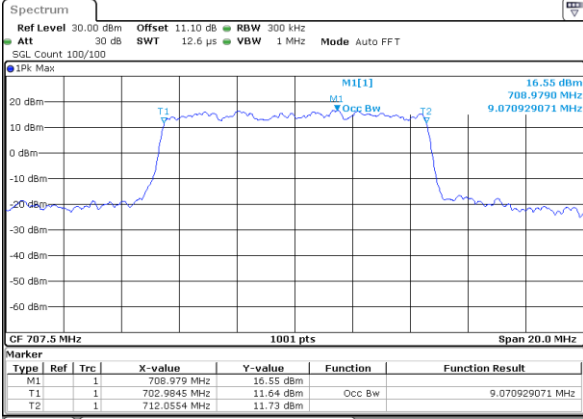


Date: 26.NOV.2021 21:15:58



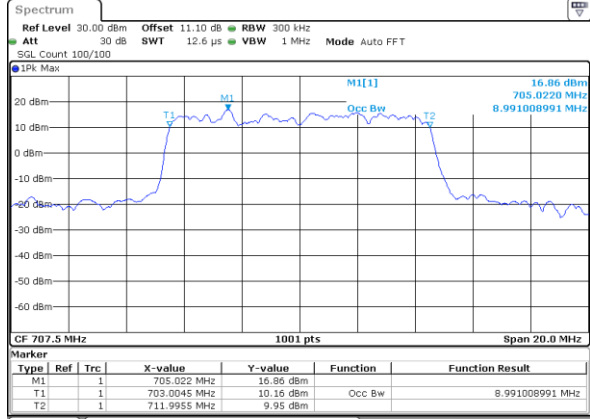
LTE Band 12

Middle Channel / 10MHz / QPSK



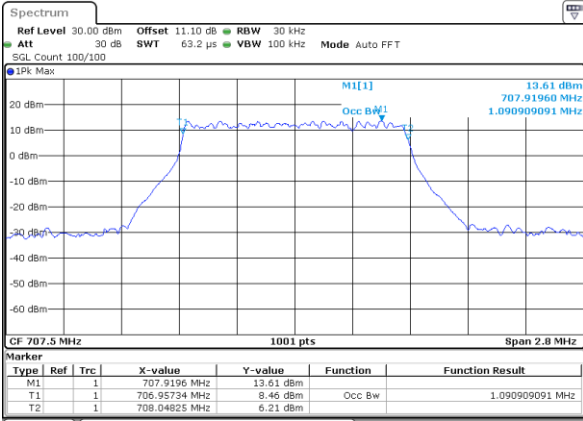
Date: 26.NOV.2021 21:26:44

Middle Channel / 10MHz / 16QAM



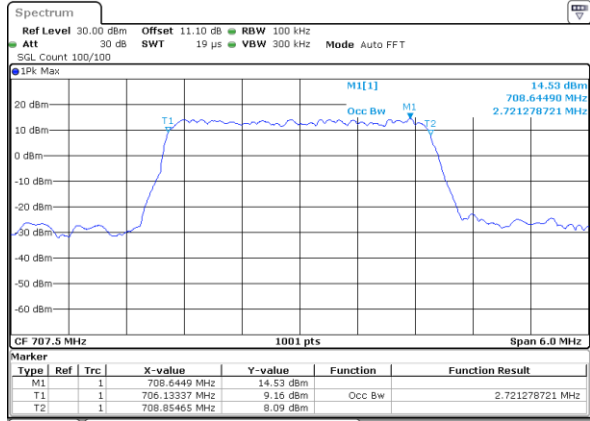
Date: 26.NOV.2021 21:26:23

Middle Channel / 1.4MHz / 64QAM



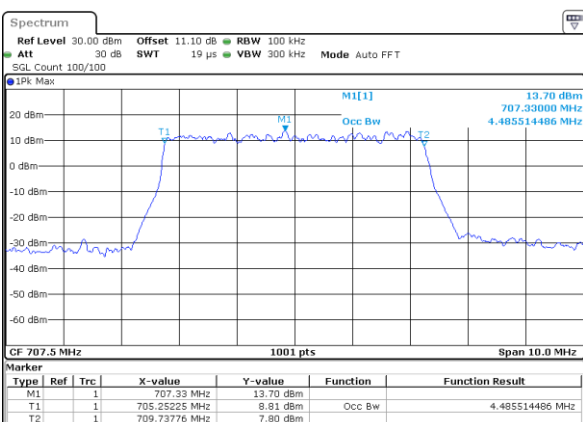
Date: 26.NOV.2021 20:51:35

Middle Channel / 3MHz / 64QAM



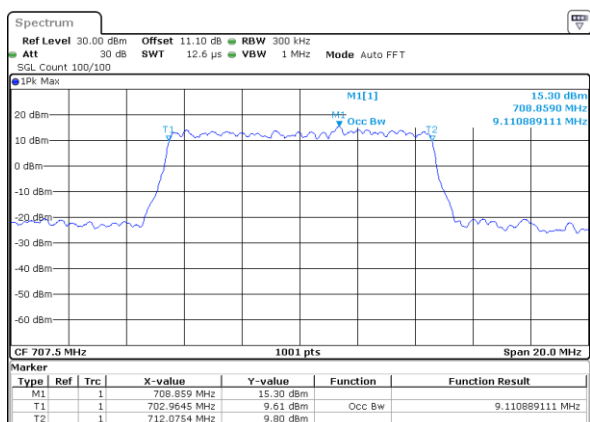
Date: 26.NOV.2021 21:05:49

Middle Channel / 5MHz / 64QAM



Date: 26.NOV.2021 21:09:39

Middle Channel / 10MHz / 64QAM

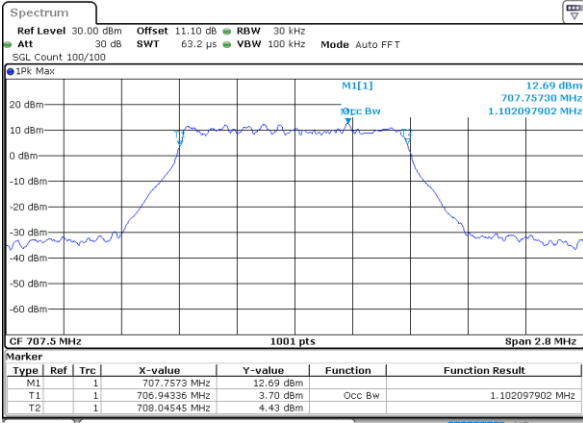


Date: 26.NOV.2021 21:13:41:7



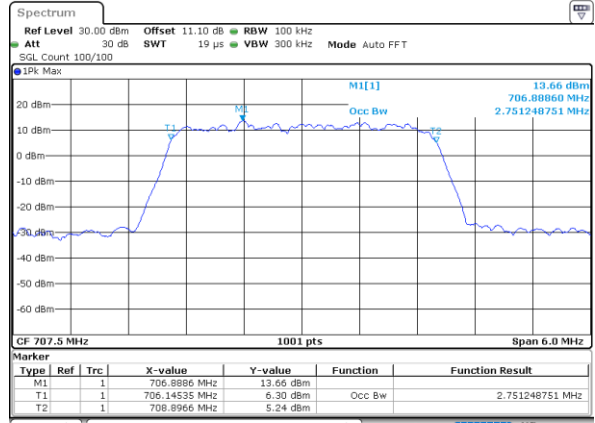
LTE Band 12

Middle Channel / 1.4MHz / 256QAM



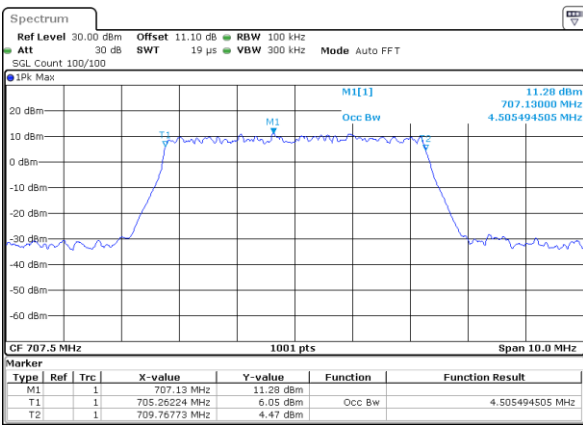
Date: 26.NOV.2021 21:41:07

Middle Channel / 3MHz / 256QAM



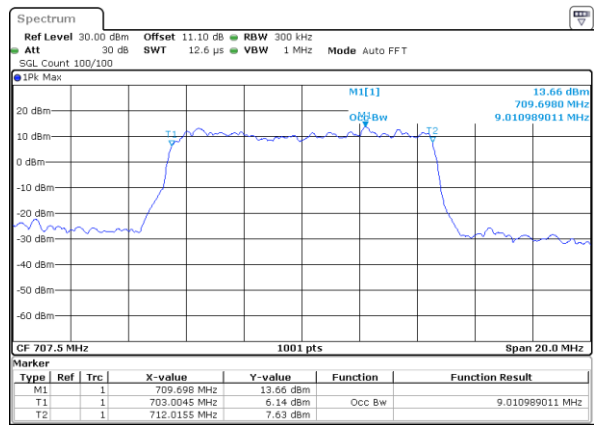
Date: 26.NOV.2021 21:48:37

Middle Channel / 5MHz / 256QAM



Date: 26.NOV.2021 21:53:26

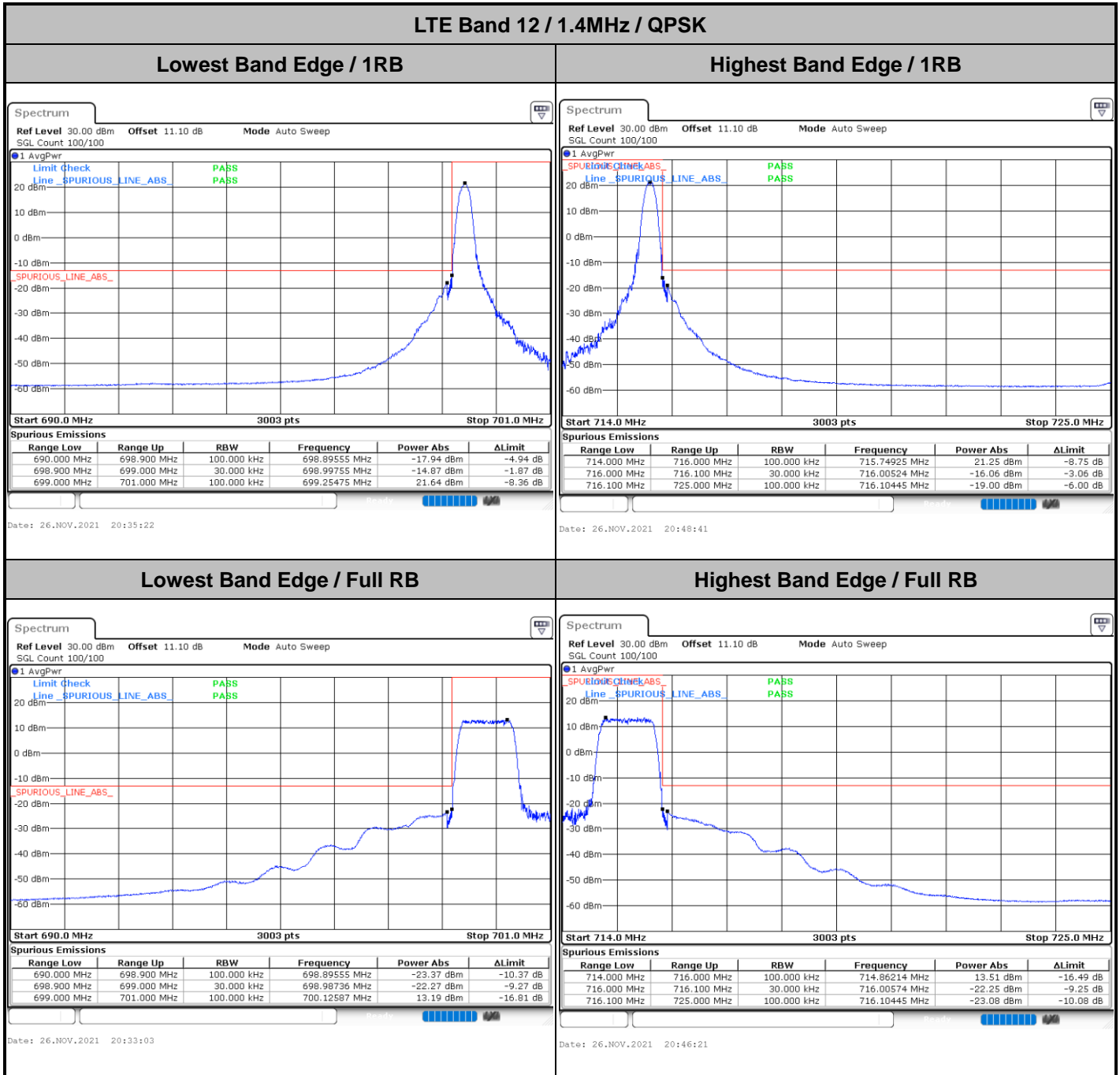
Middle Channel / 10MHz / 256QAM



Date: 26.NOV.2021 21:58:17



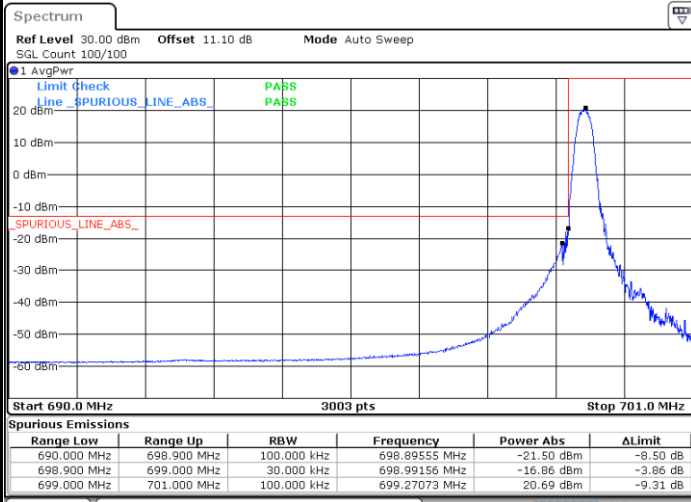
Conducted Band Edge





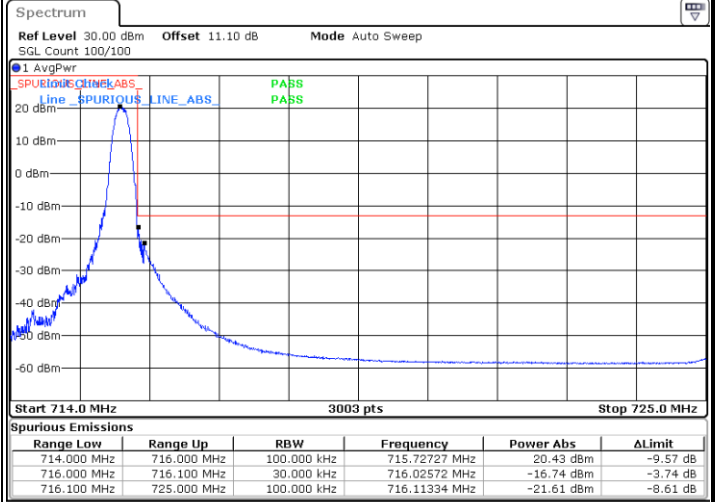
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



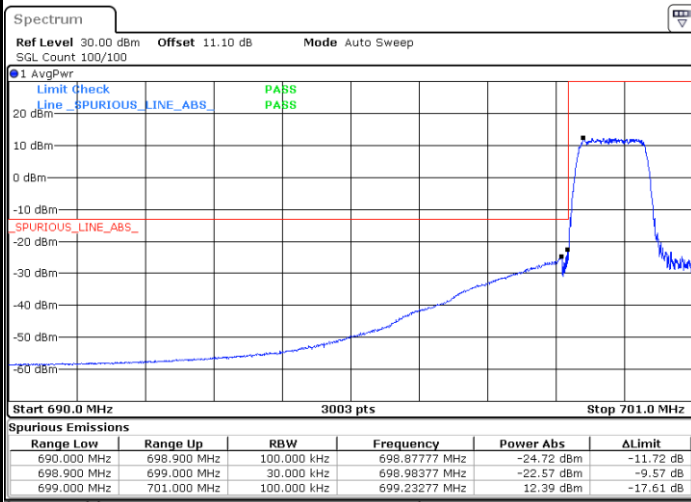
Date: 26.NOV.2021 20:34:37

Highest Band Edge / 1 RB



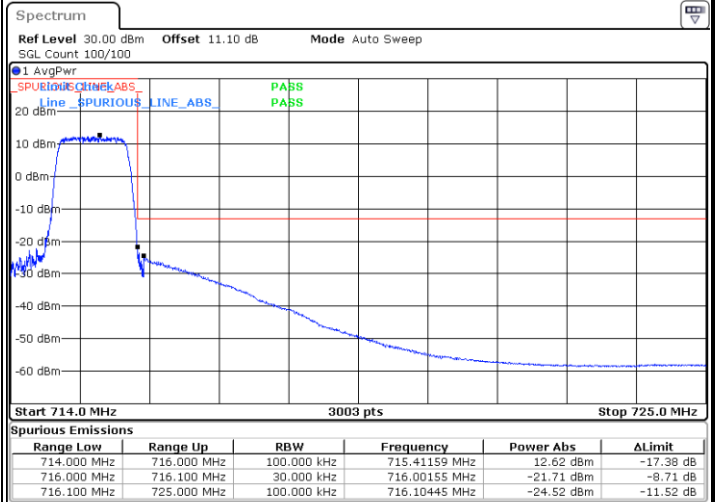
Date: 26.NOV.2021 20:47:54

Lowest Band Edge / Full RB



Date: 26.NOV.2021 20:33:50

Highest Band Edge / Full RB

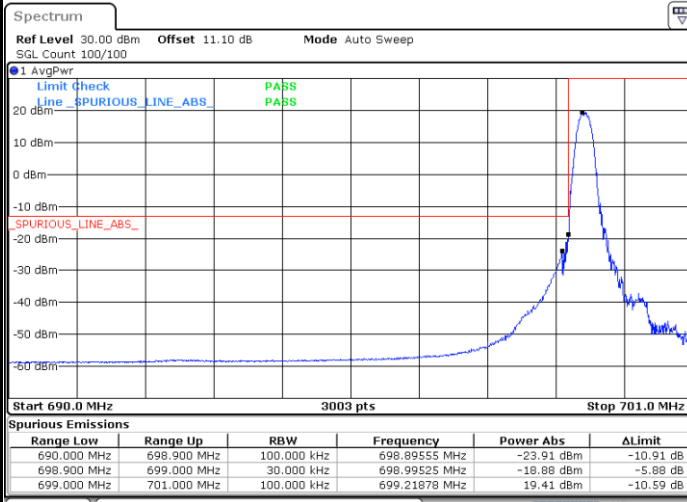


Date: 26.NOV.2021 20:47:08



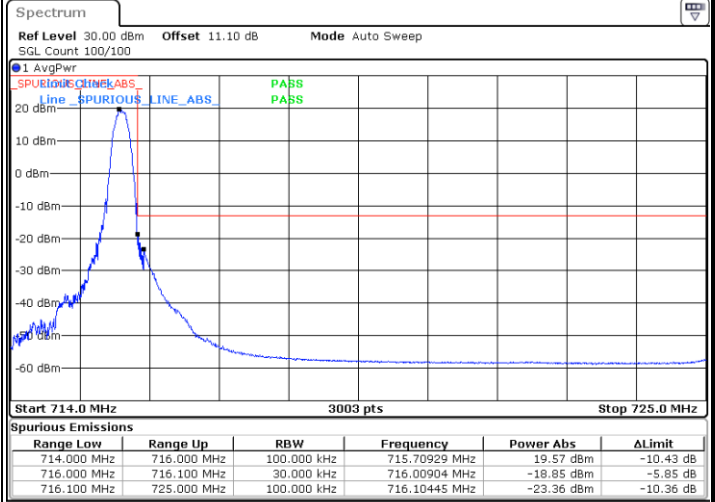
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



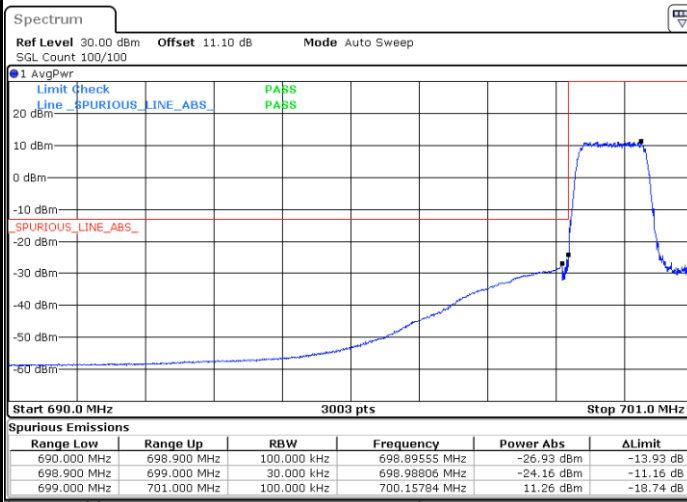
Date: 26.NOV.2021 20:51:13

Highest Band Edge / 1 RB



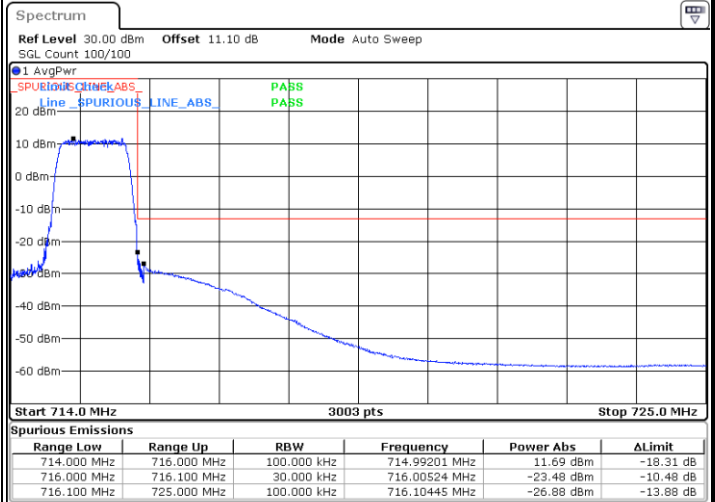
Date: 26.NOV.2021 20:53:28

Lowest Band Edge / Full RB



Date: 26.NOV.2021 20:50:24

Highest Band Edge / Full RB



Date: 26.NOV.2021 20:52:41



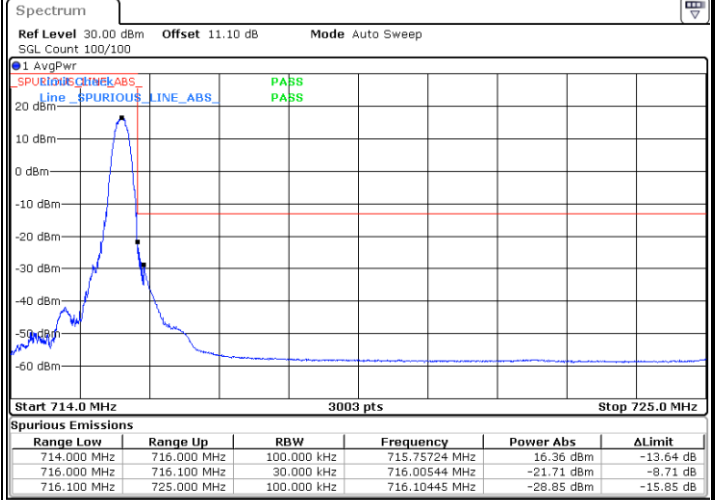
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



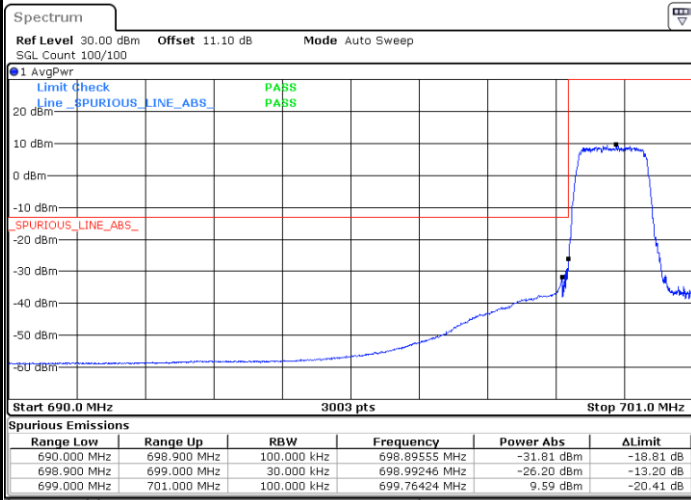
Date: 26.NOV.2021 21:39:28

Highest Band Edge / 1 RB



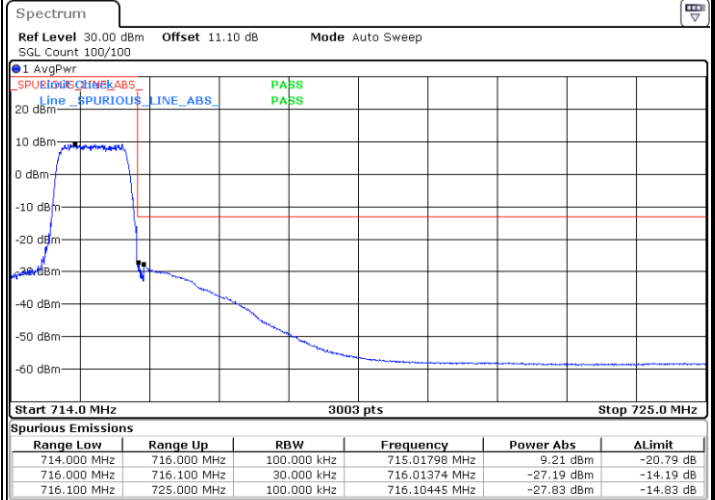
Date: 26.NOV.2021 21:45:49

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:40:18

Highest Band Edge / Full RB

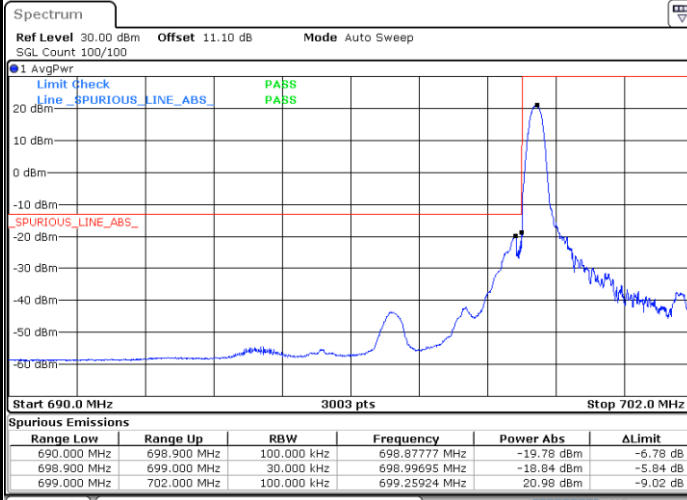


Date: 26.NOV.2021 21:44:32

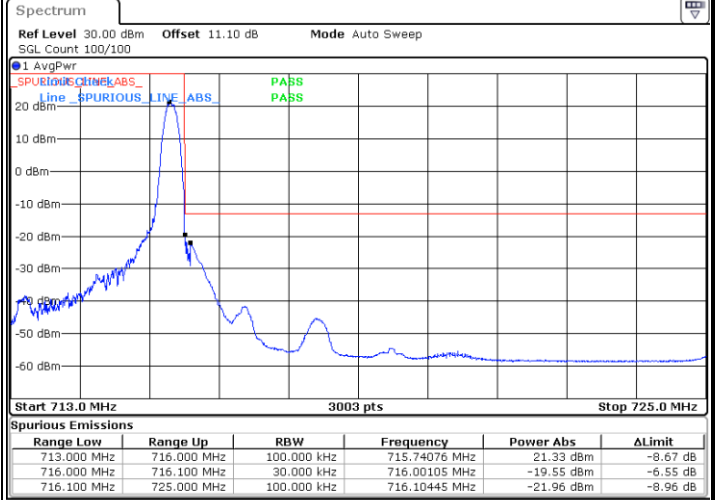


LTE Band 12 / 3MHz / QPSK

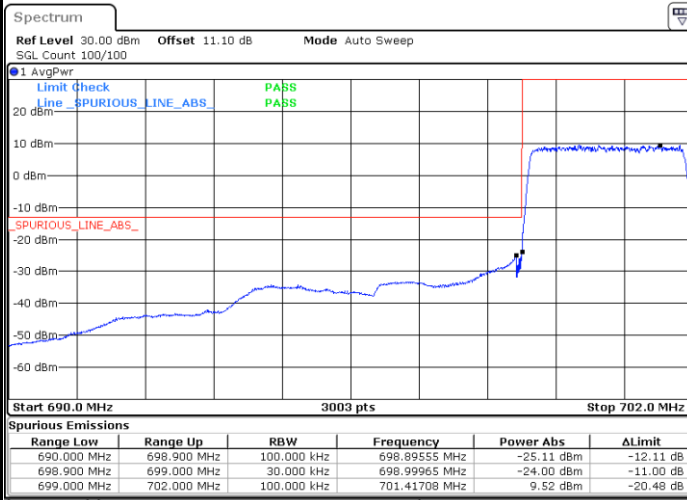
Lowest Band Edge / 1RB



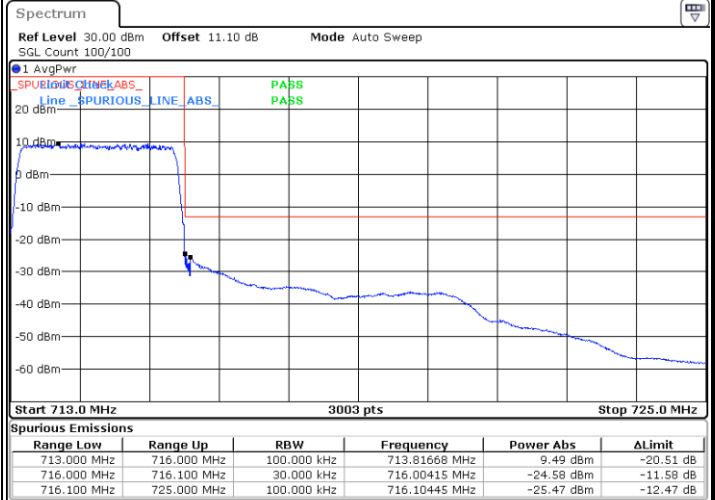
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



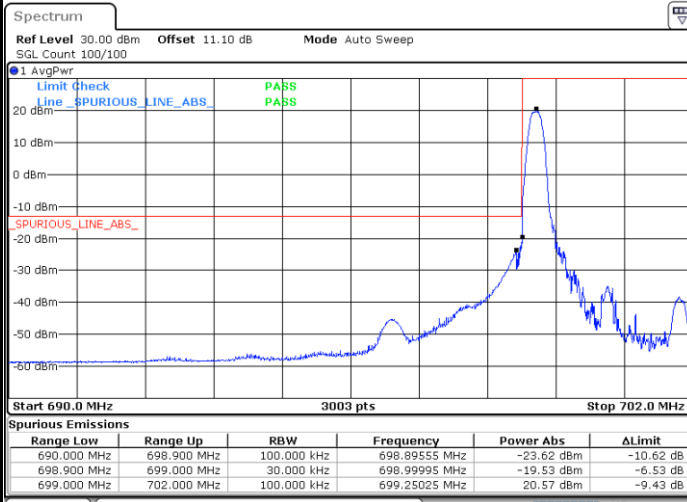
Highest Band Edge / Full RB





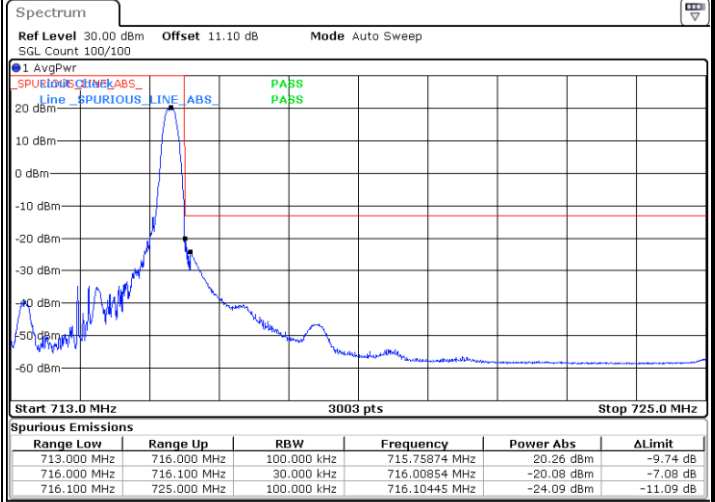
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



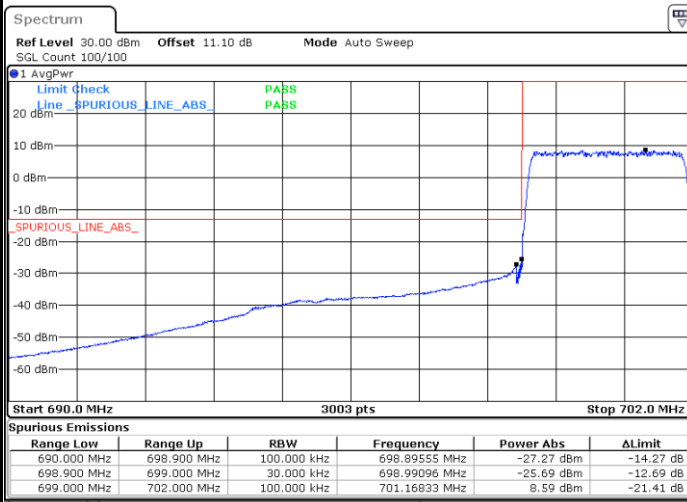
Date: 26.NOV.2021 20:55:49

Highest Band Edge / 1 RB



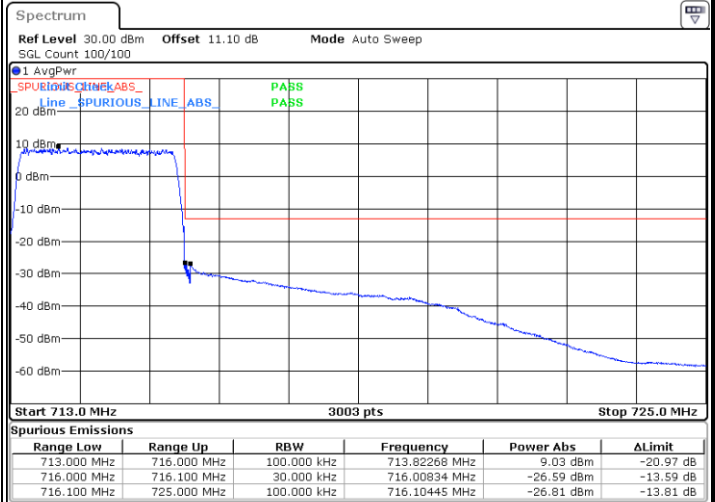
Date: 26.NOV.2021 21:02:11

Lowest Band Edge / Full RB



Date: 26.NOV.2021 20:55:02

Highest Band Edge / Full RB



Date: 26.NOV.2021 21:01:24



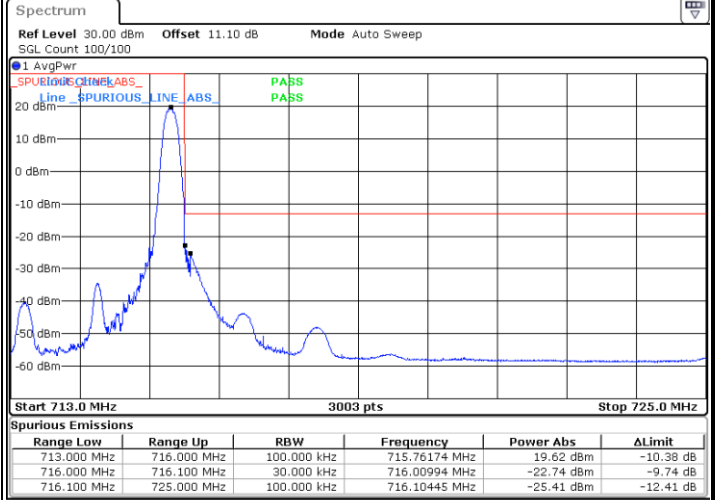
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



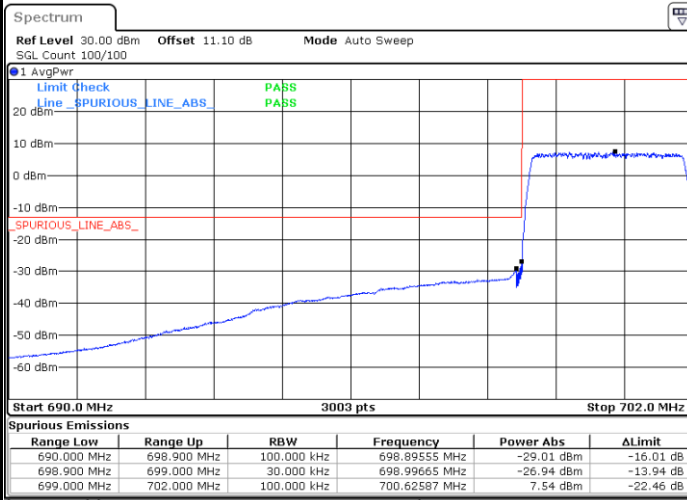
Date: 26.NOV.2021 21:05:28

Highest Band Edge / 1 RB



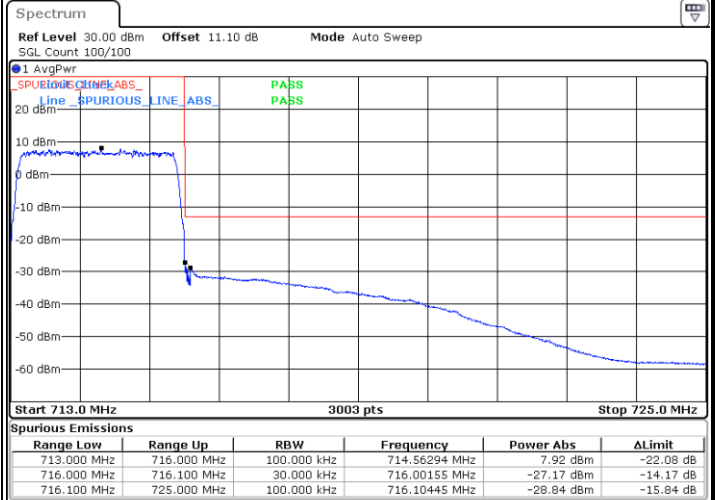
Date: 26.NOV.2021 21:07:42

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:04:41

Highest Band Edge / Full RB

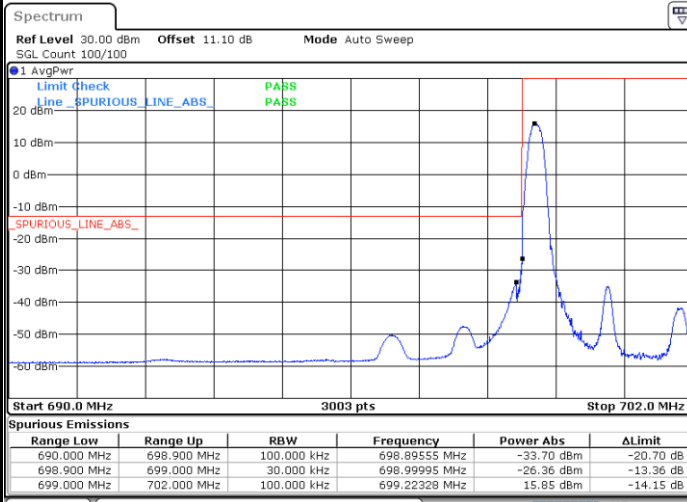


Date: 26.NOV.2021 21:06:55



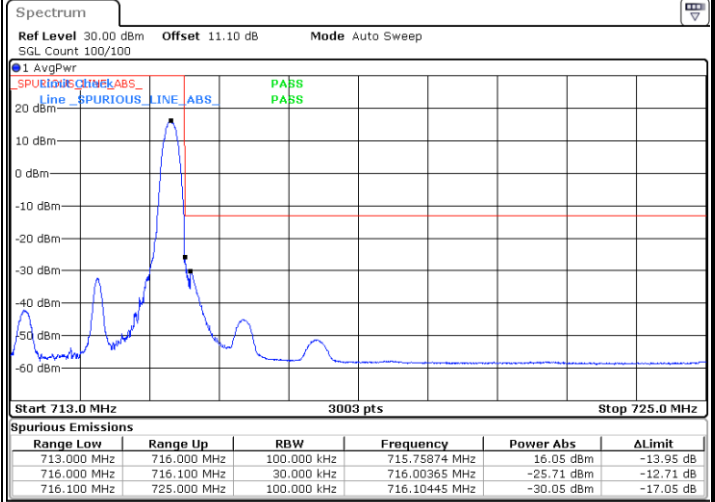
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



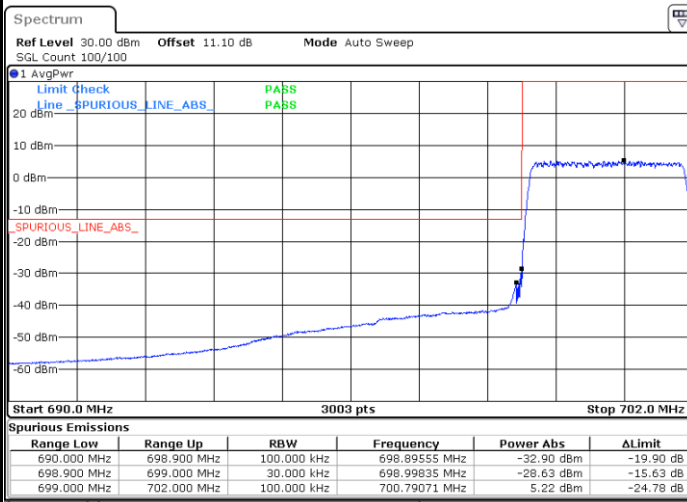
Date: 26.NOV.2021 21:47:09

Highest Band Edge / 1 RB



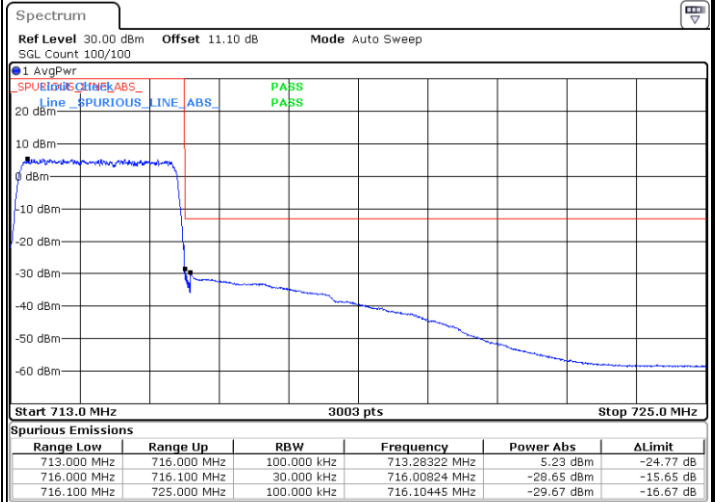
Date: 26.NOV.2021 21:50:56

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:47:57

Highest Band Edge / Full RB

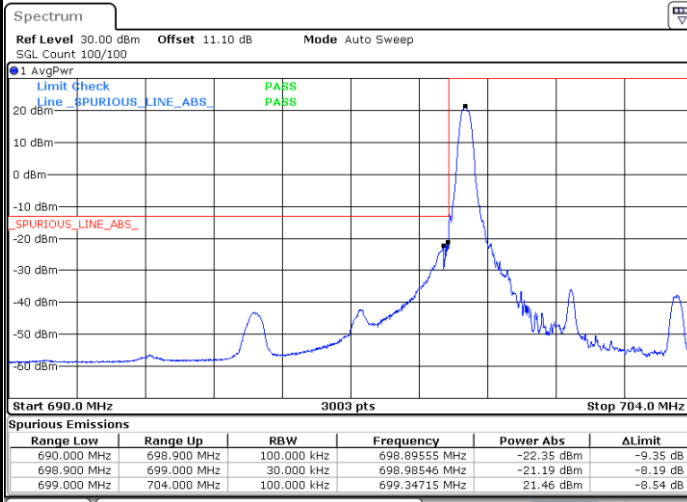


Date: 26.NOV.2021 21:50:06



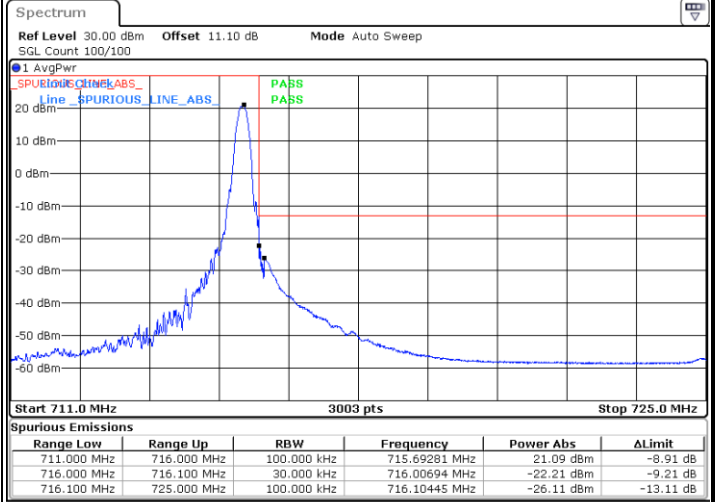
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



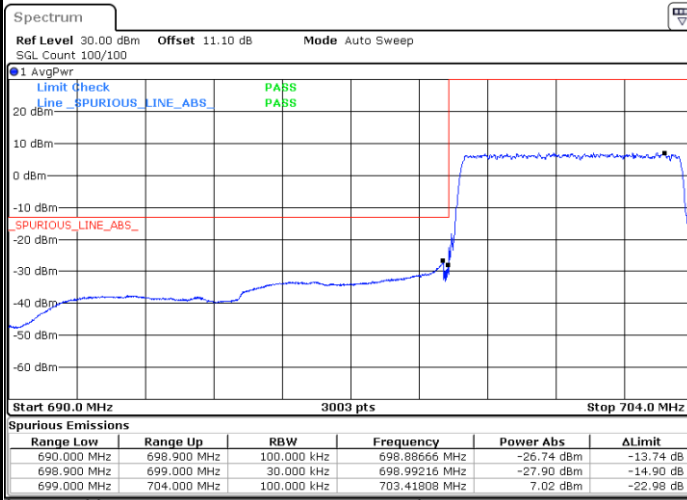
Date: 26.NOV.2021 21:14:40

Highest Band Edge / 1 RB



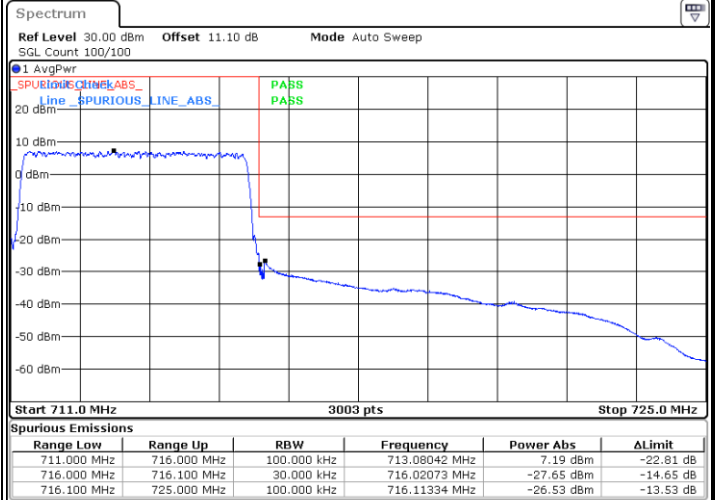
Date: 26.NOV.2021 21:20:15

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:12:19

Highest Band Edge / Full RB

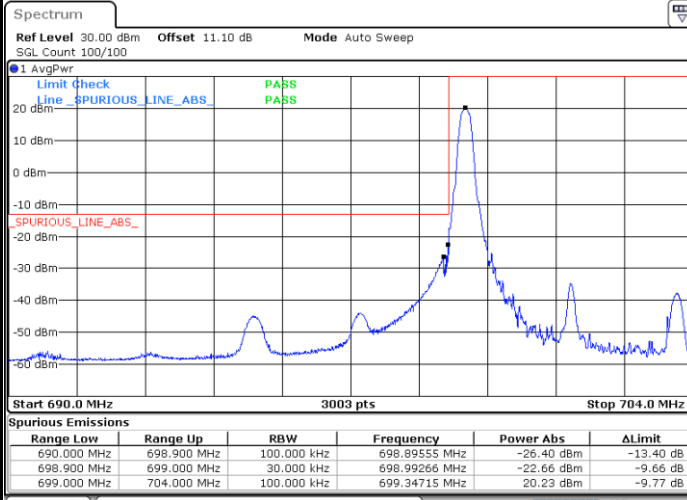


Date: 26.NOV.2021 21:18:41



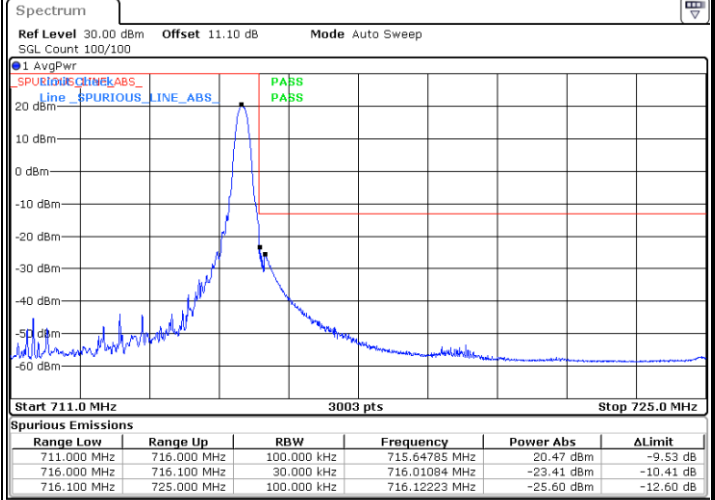
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



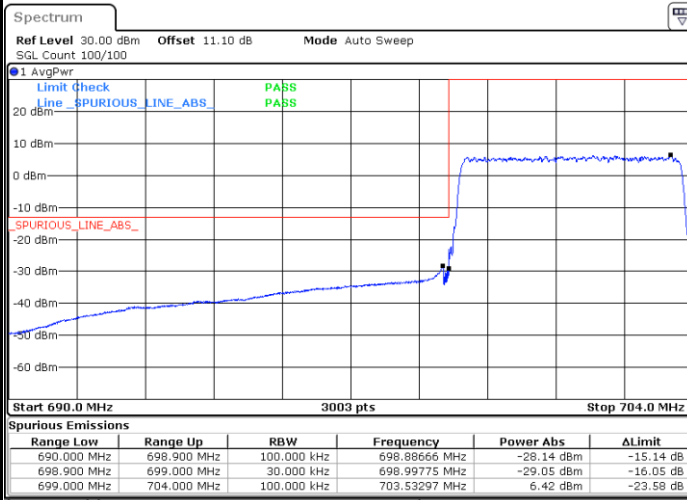
Date: 26.NOV.2021 21:13:53

Highest Band Edge / 1 RB



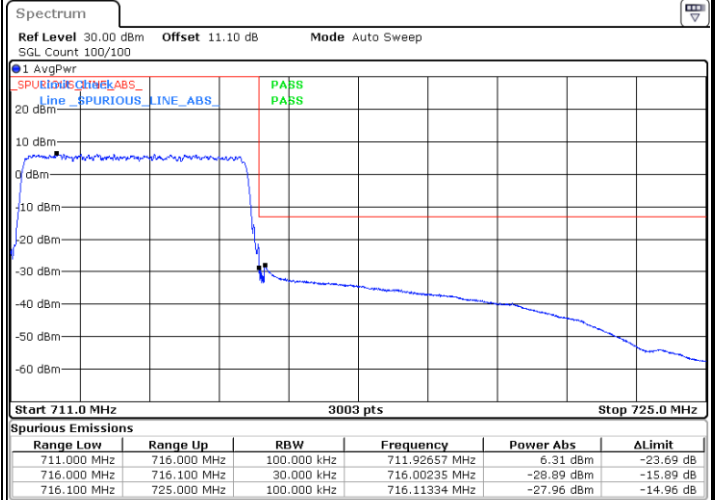
Date: 26.NOV.2021 21:21:02

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:13:06

Highest Band Edge / Full RB

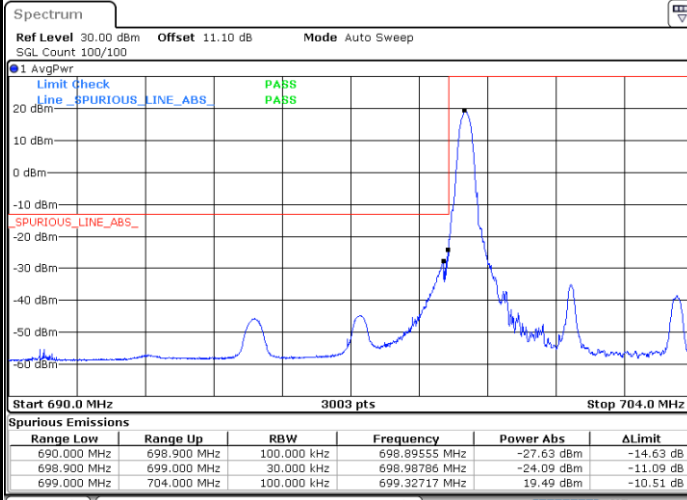


Date: 26.NOV.2021 21:19:28

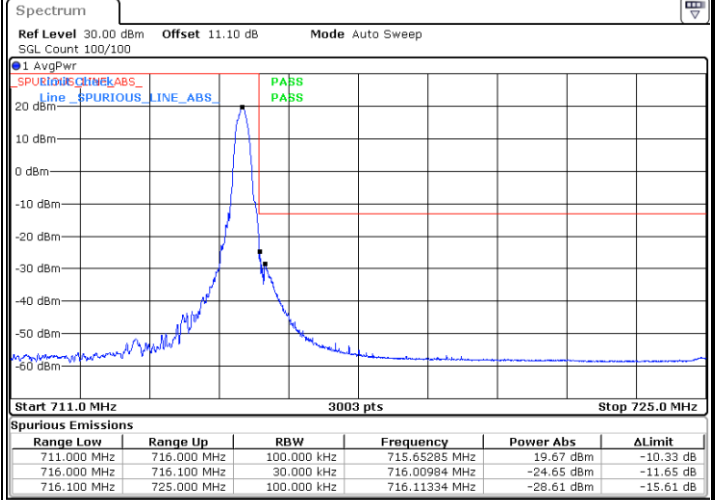


LTE Band 12 / 5MHz / 64QAM

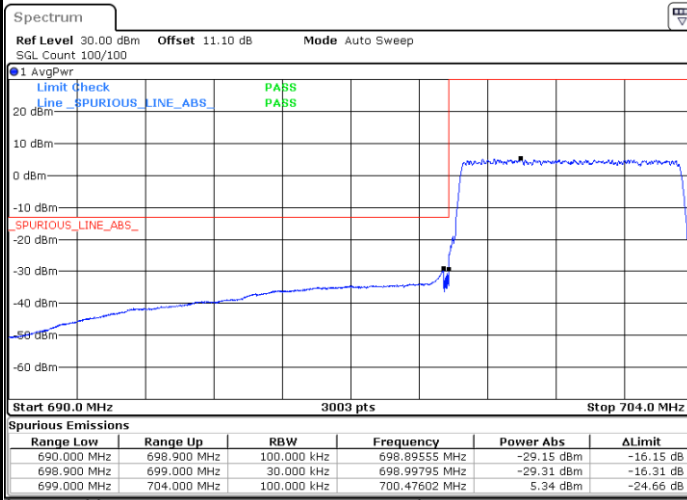
Lowest Band Edge / 1RB



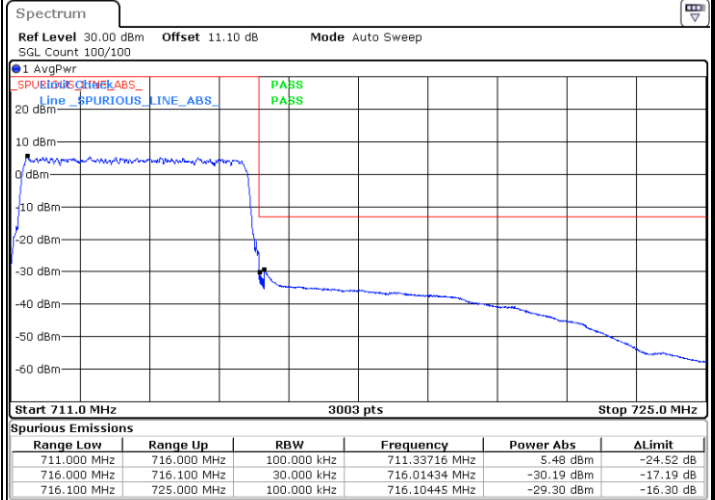
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



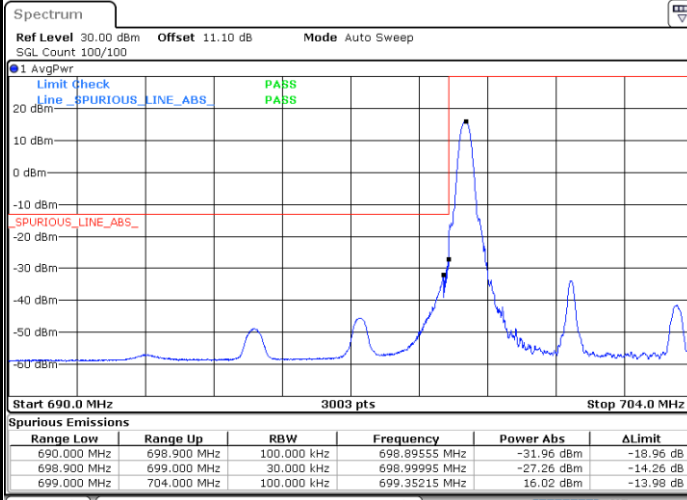
Highest Band Edge / Full RB





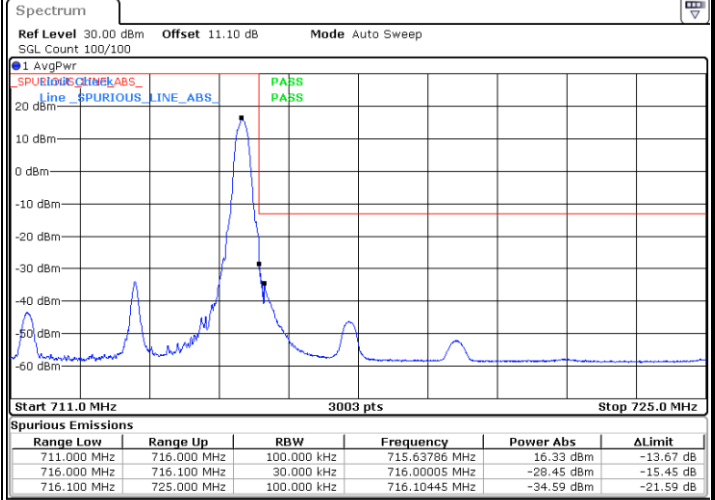
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



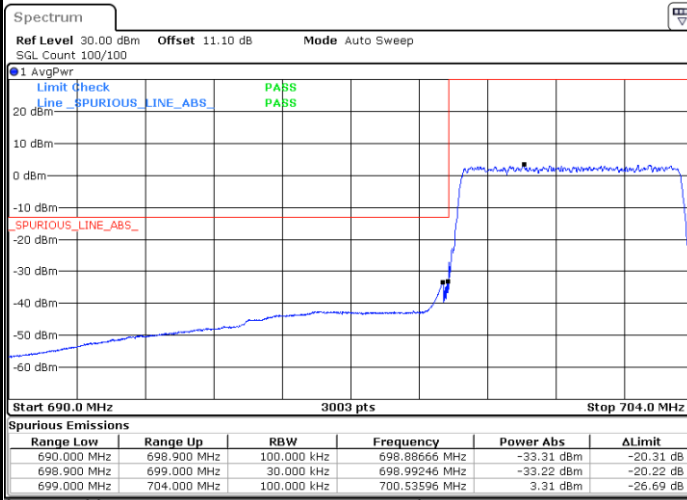
Date: 26.NOV.2021 21:52:01

Highest Band Edge / 1 RB



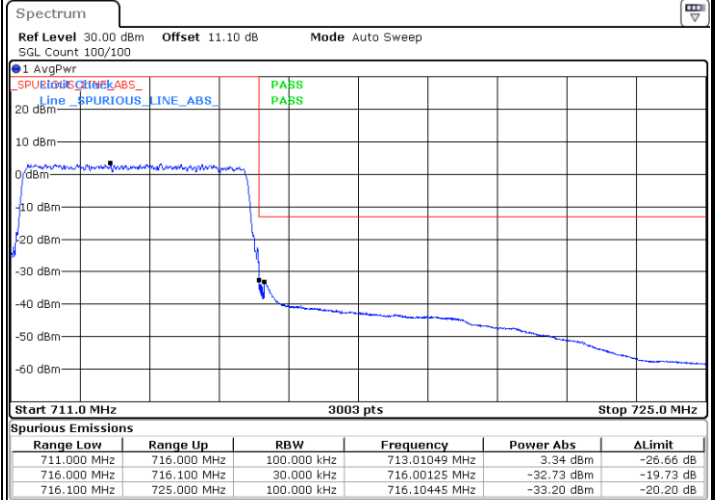
Date: 26.NOV.2021 21:55:29

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:52:50

Highest Band Edge / Full RB

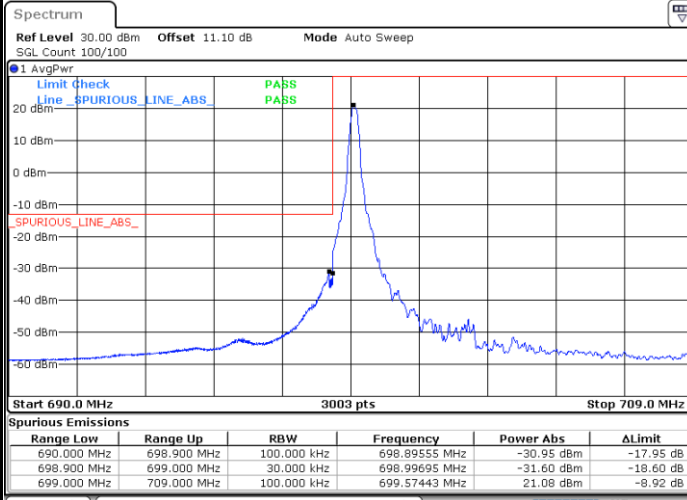


Date: 26.NOV.2021 21:54:41



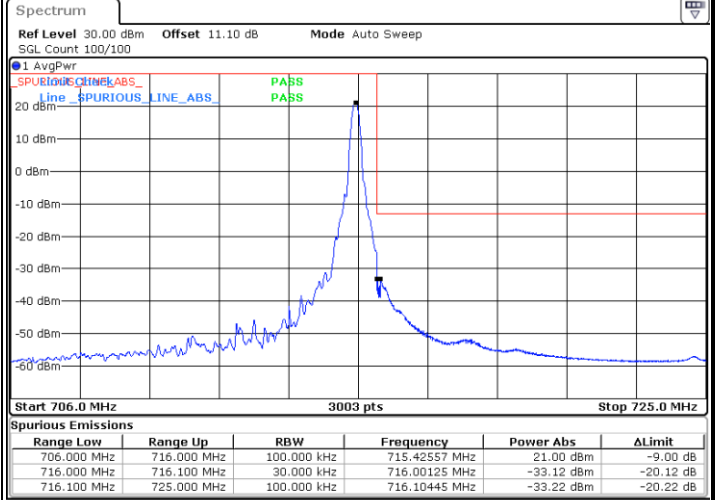
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



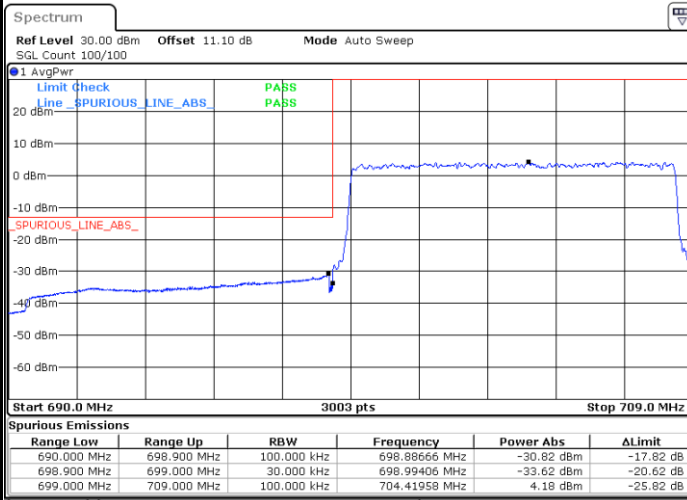
Date: 26.NOV.2021 21:25:05

Highest Band Edge / 1 RB



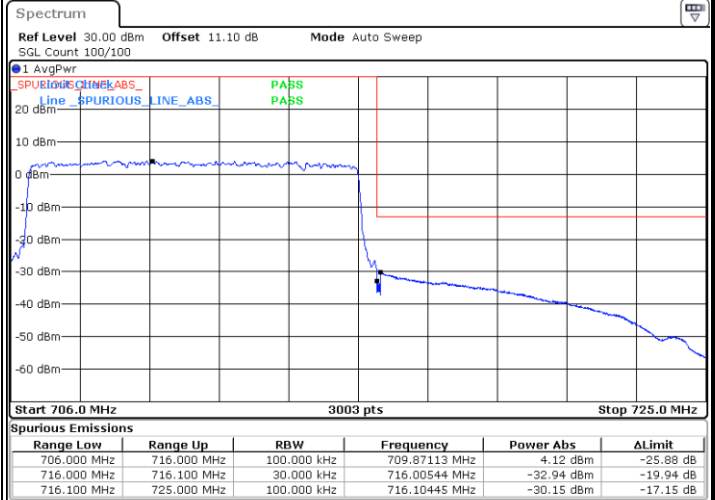
Date: 26.NOV.2021 21:31:26

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:22:44

Highest Band Edge / Full RB

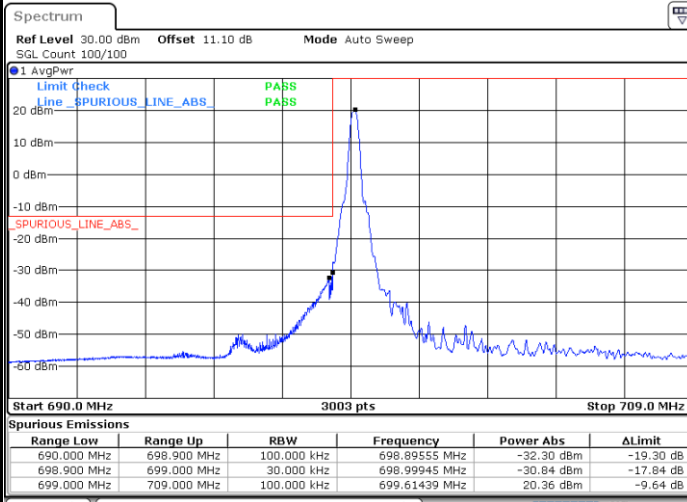


Date: 26.NOV.2021 21:29:07



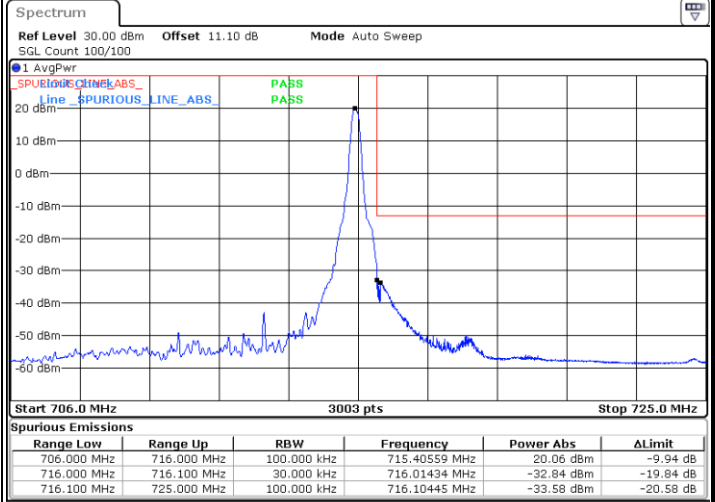
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



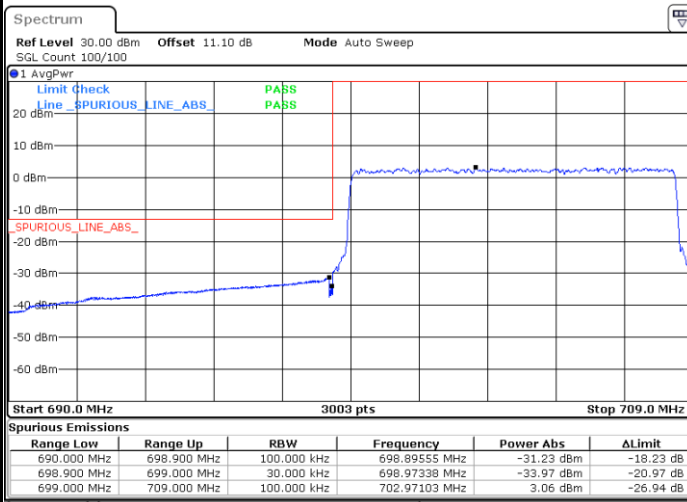
Date: 26.NOV.2021 21:24:18

Highest Band Edge / 1 RB



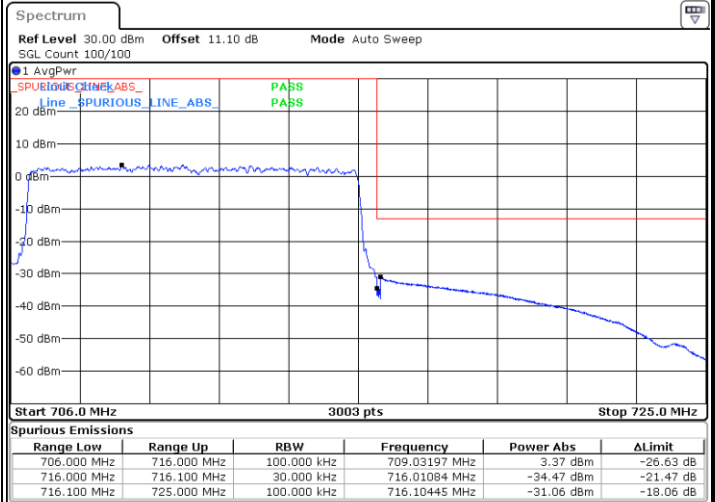
Date: 26.NOV.2021 21:30:39

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:23:31

Highest Band Edge / Full RB

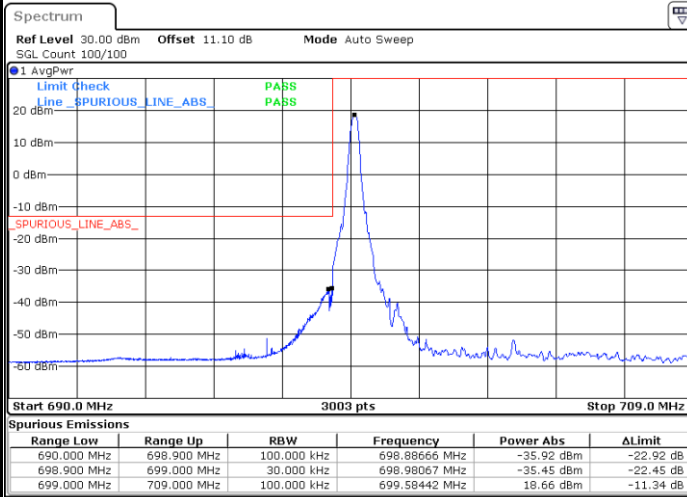


Date: 26.NOV.2021 21:29:52



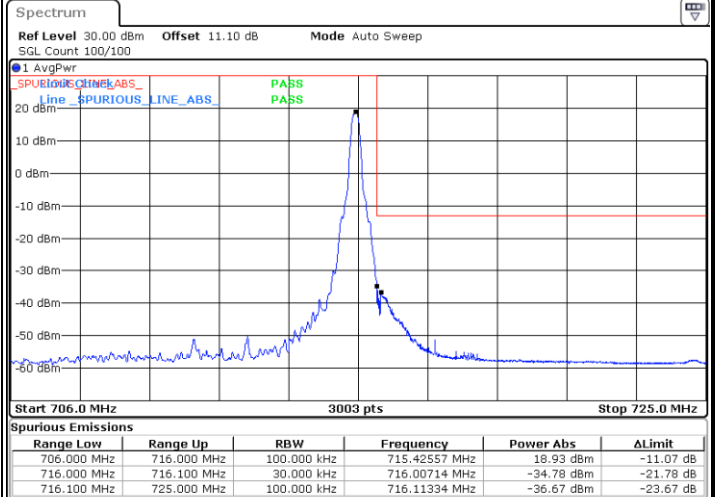
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



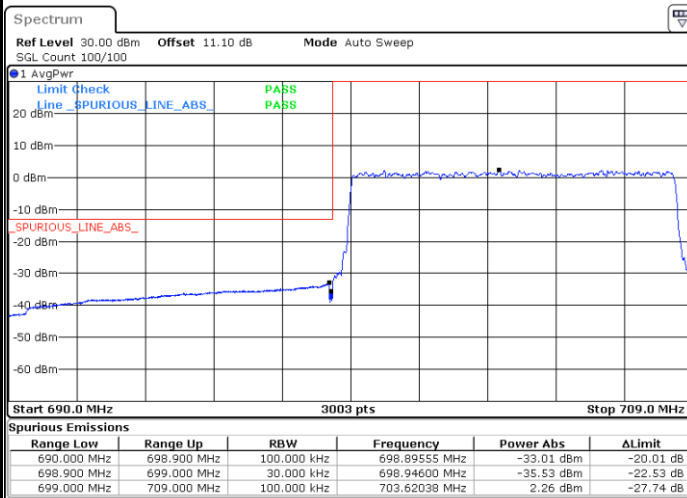
Date: 26.NOV.2021 21:33:55

Highest Band Edge / 1 RB



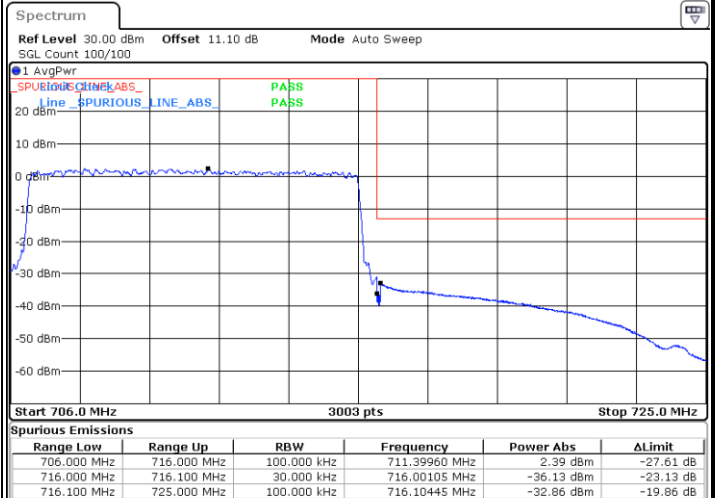
Date: 26.NOV.2021 21:36:10

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:33:08

Highest Band Edge / Full RB

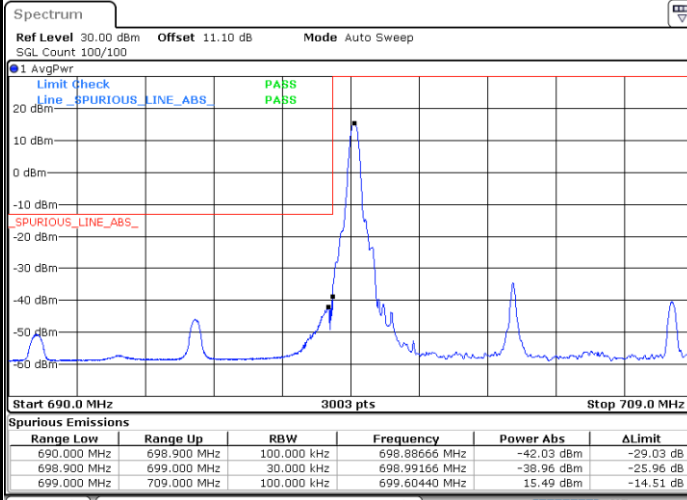


Date: 26.NOV.2021 21:35:23



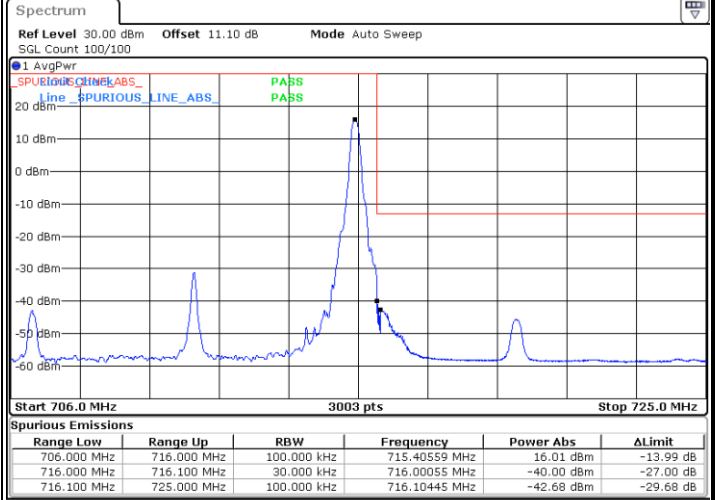
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



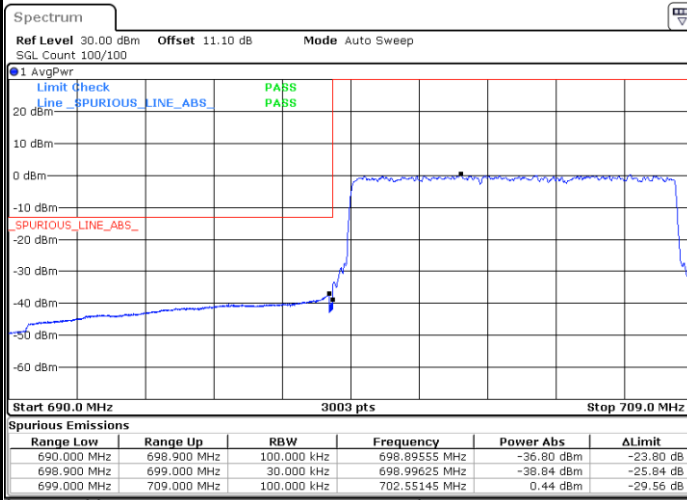
Date: 26.NOV.2021 21:56:48

Highest Band Edge / 1 RB



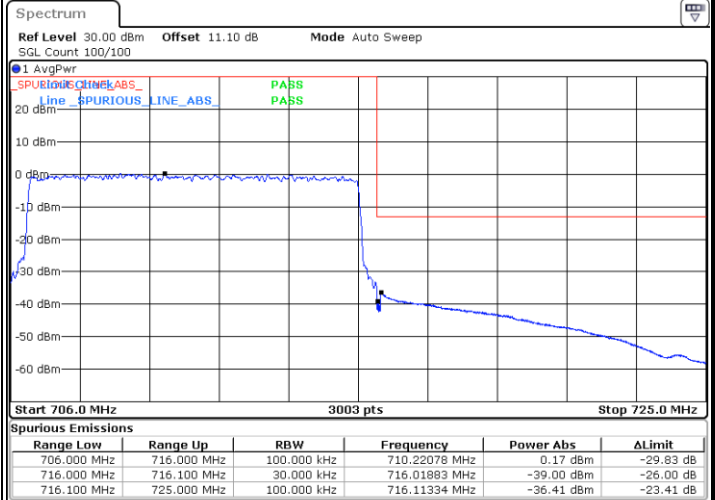
Date: 26.NOV.2021 22:00:49

Lowest Band Edge / Full RB



Date: 26.NOV.2021 21:57:37

Highest Band Edge / Full RB



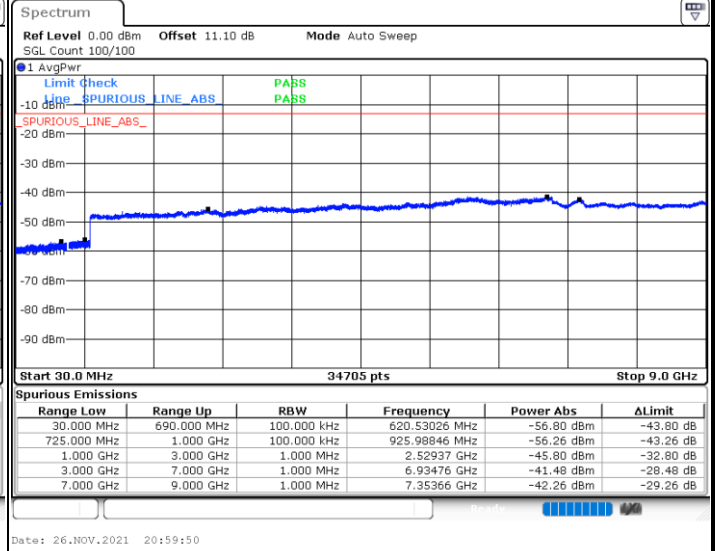
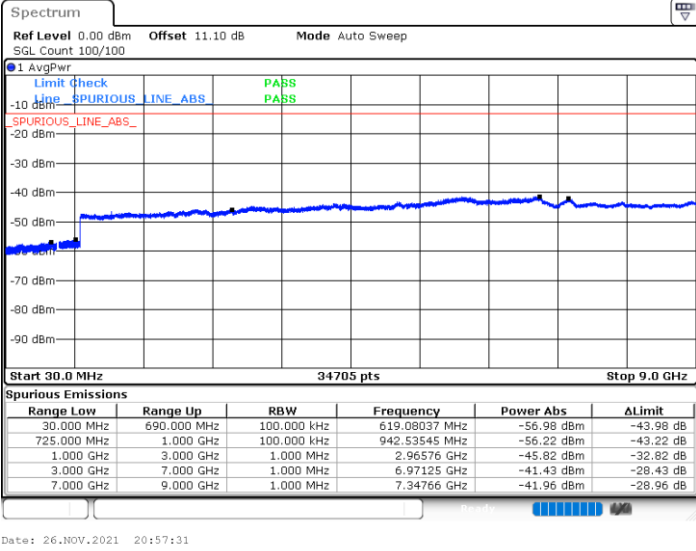
Date: 26.NOV.2021 21:59:36



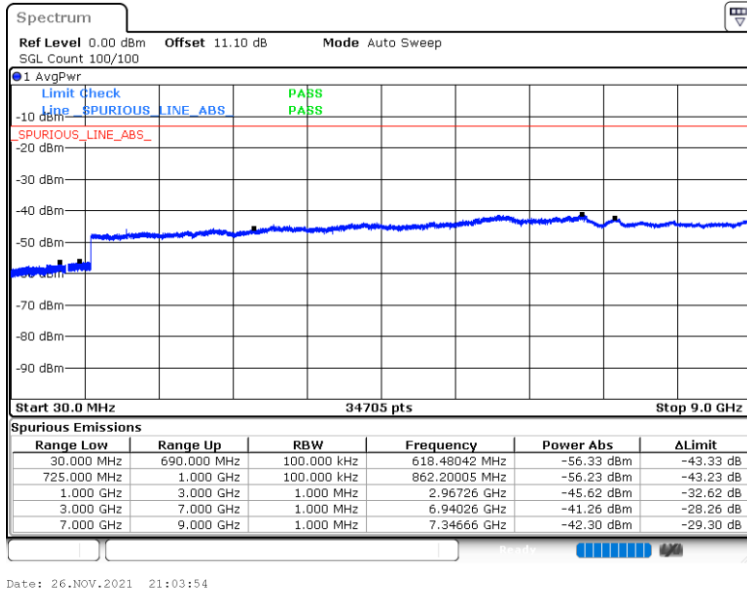
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

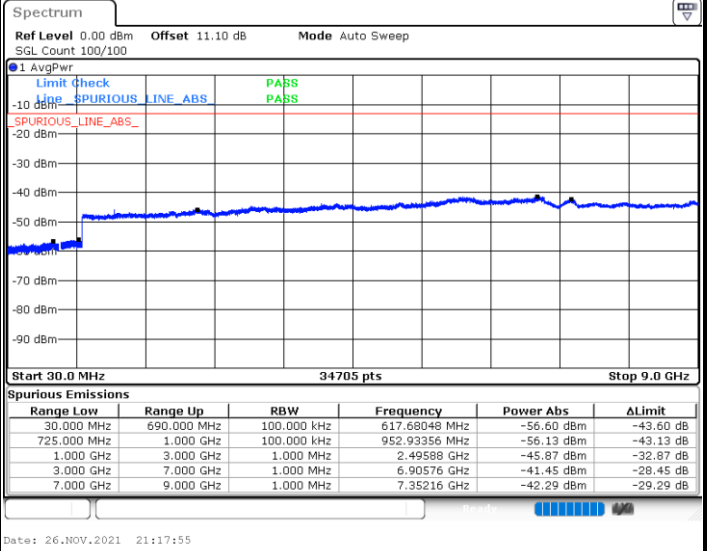
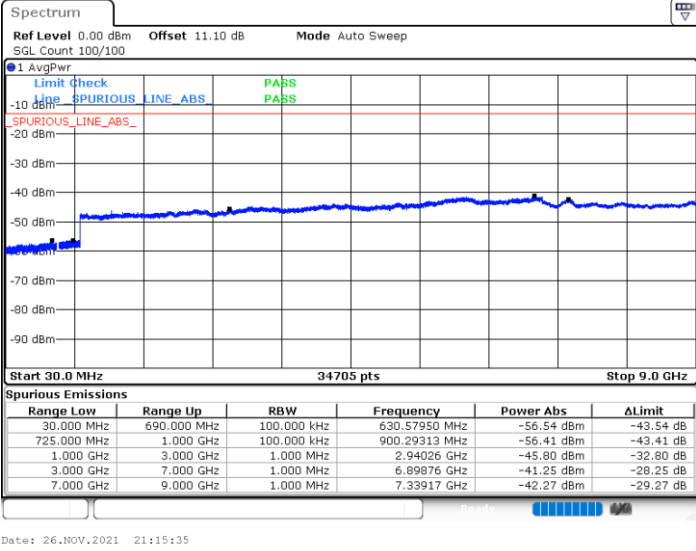




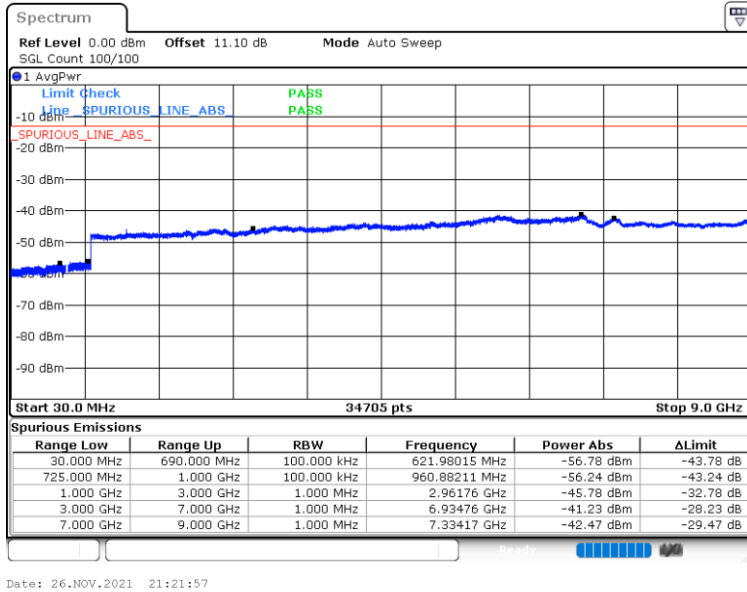
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

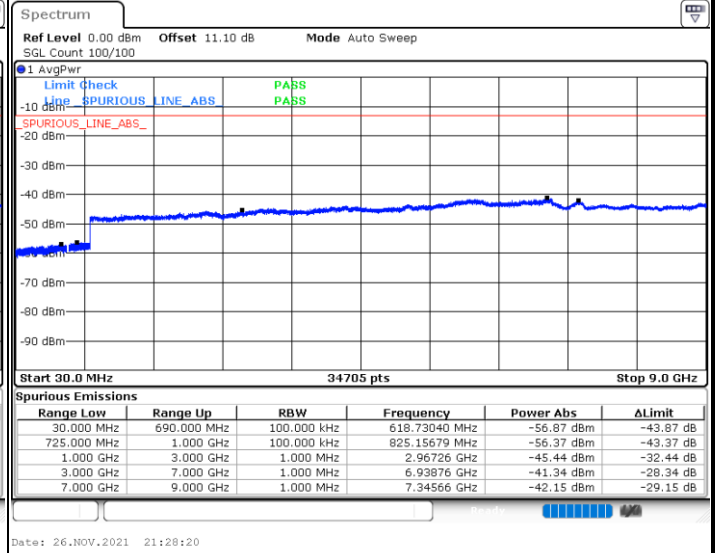
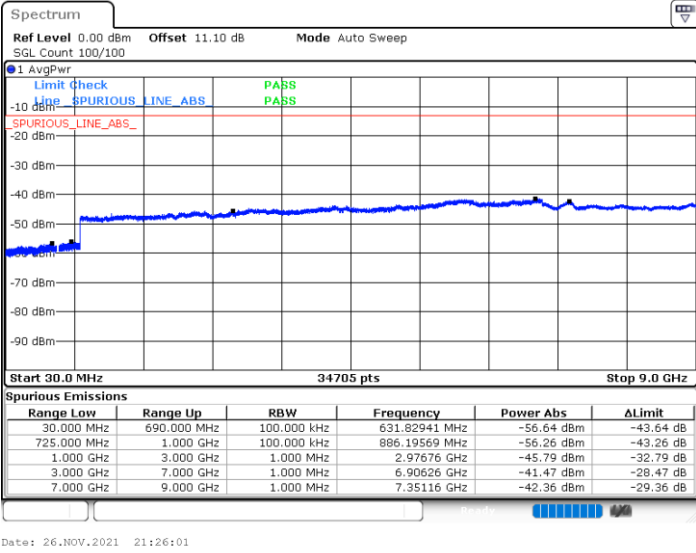




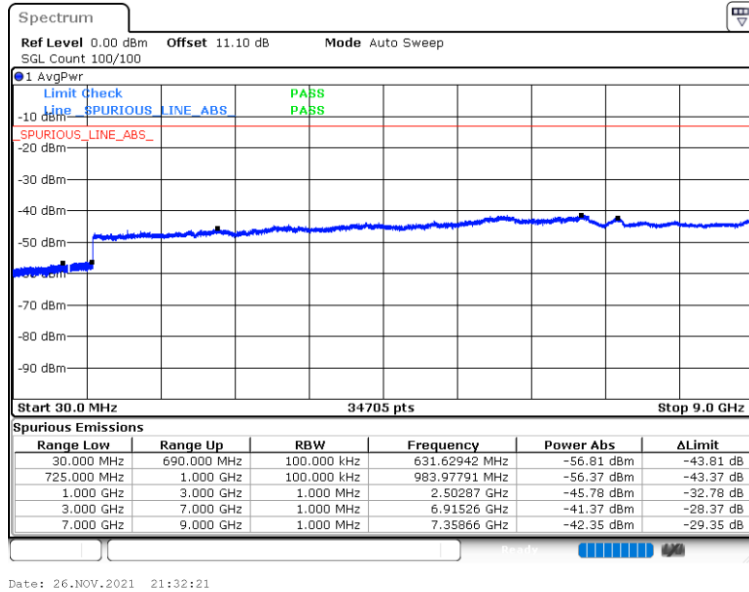
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0153	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0136	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0116	
20	Maximum Voltage	0.0191	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0120	

Note:

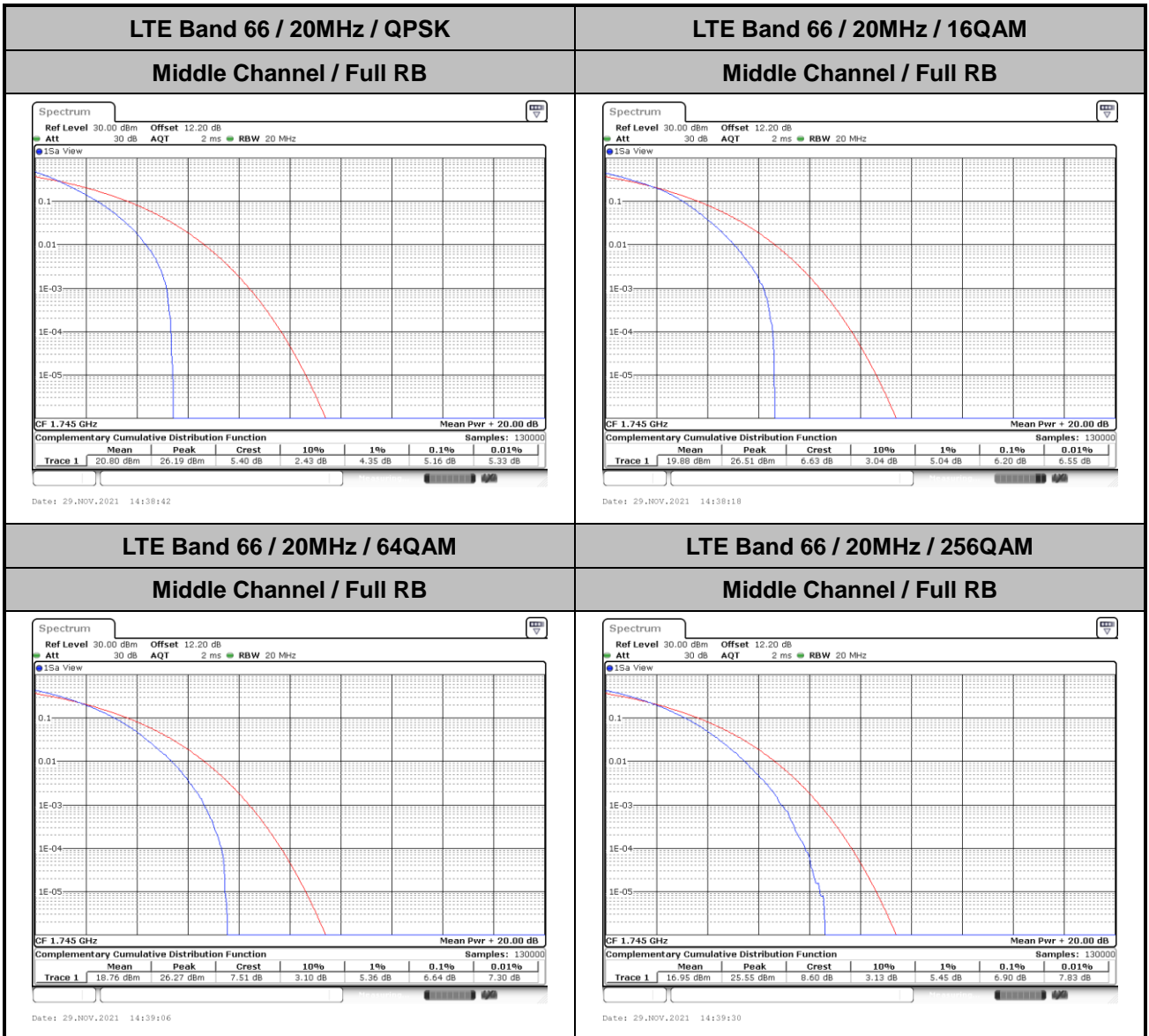
- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.20	6.64	6.90	PASS





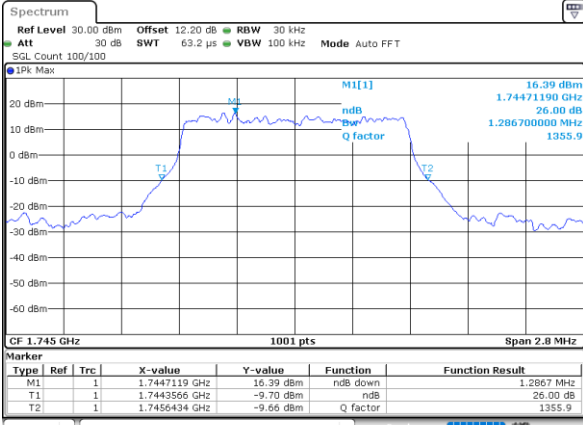
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.29	1.33	3.10	3.07	4.90	4.94	9.97	9.99	14.27	14.66	19.34	19.30
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.31	1.34	3.07	2.98	5.10	5.06	10.15	9.73	14.39	14.81	19.54	18.86



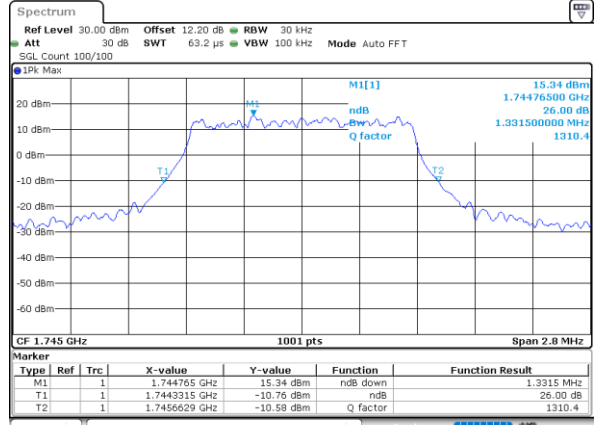
LTE Band 66

Middle Channel / 1.4MHz / QPSK



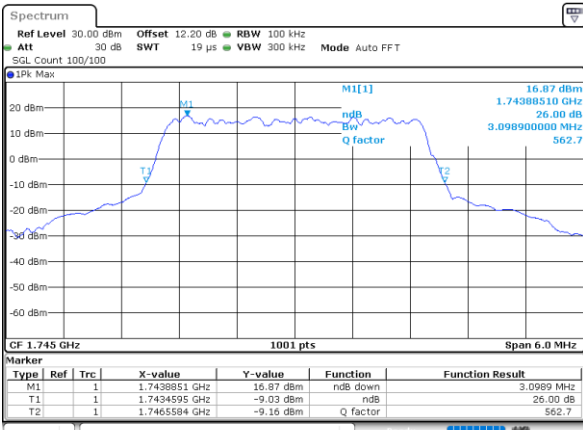
Date: 29.NOV.2021 12:43:25

Middle Channel / 1.4MHz / 16QAM



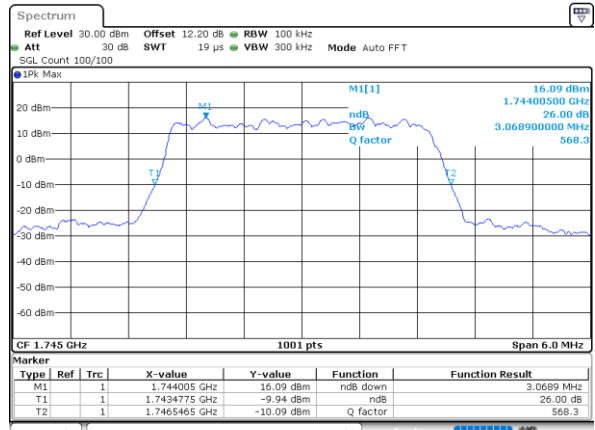
Date: 29.NOV.2021 12:43:47

Middle Channel / 3MHz / QPSK



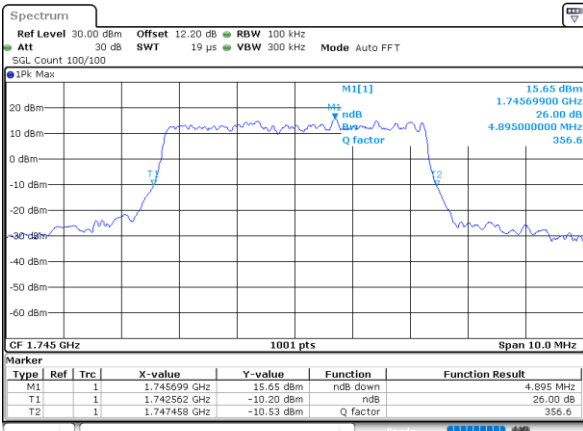
Date: 29.NOV.2021 13:07:11

Middle Channel / 3MHz / 16QAM



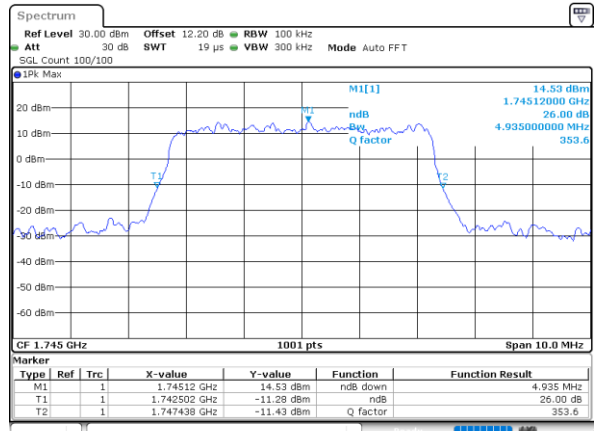
Date: 29.NOV.2021 13:07:33

Middle Channel / 5MHz / QPSK



Date: 29.NOV.2021 13:27:13

Middle Channel / 5MHz / 16QAM

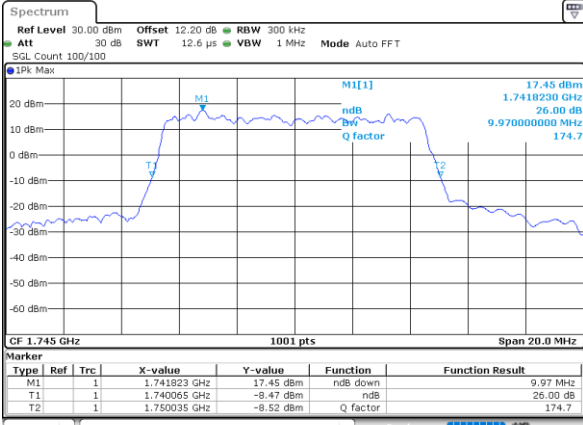


Date: 29.NOV.2021 13:27:34



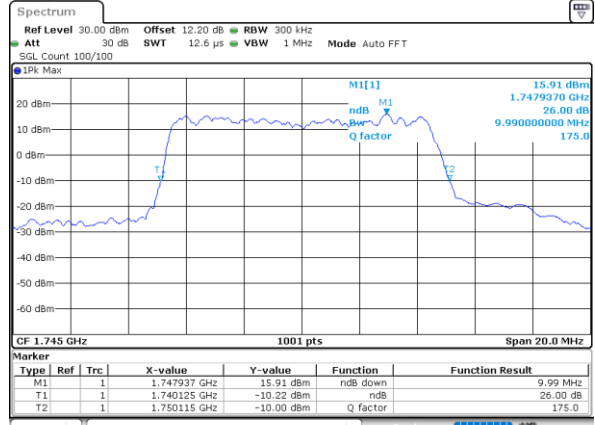
LTE Band 66

Middle Channel / 10MHz / QPSK



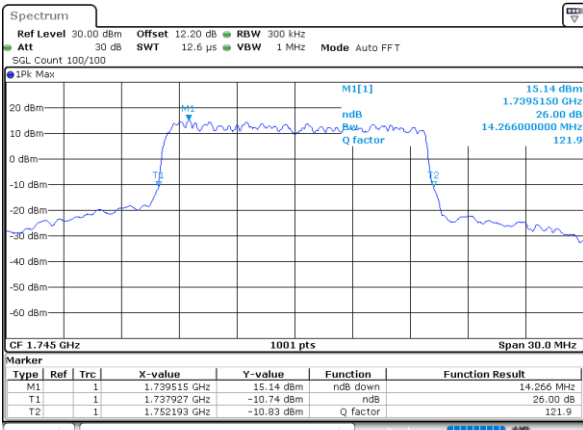
Date: 29.NOV.2021 13:46:13

Middle Channel / 10MHz / 16QAM



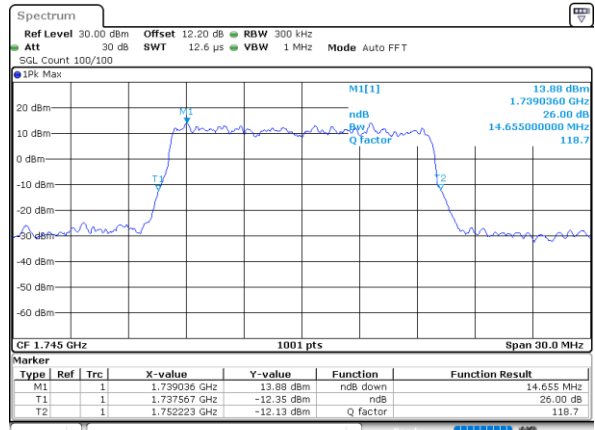
Date: 29.NOV.2021 13:46:52

Middle Channel / 15MHz / QPSK



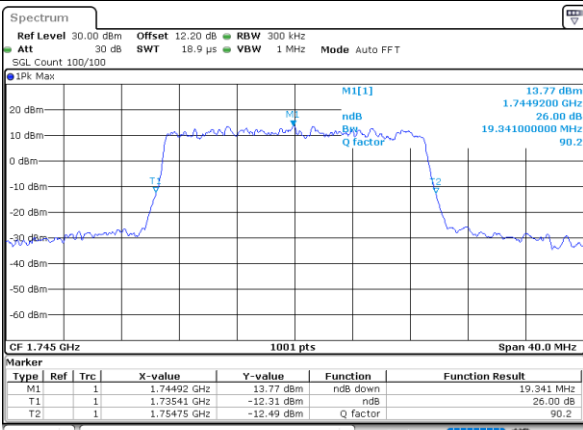
Date: 29.NOV.2021 14:07:50

Middle Channel / 15MHz / 16QAM



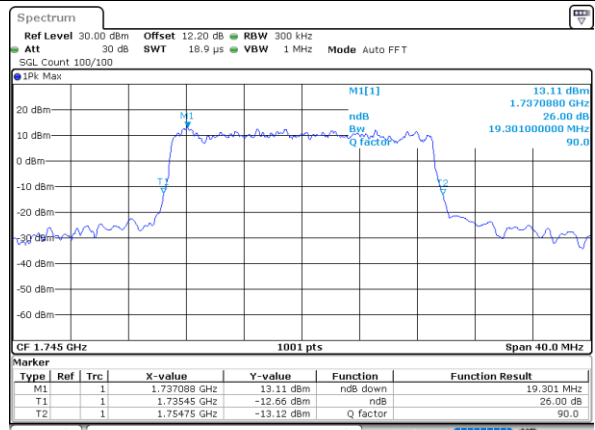
Date: 29.NOV.2021 14:08:12

Middle Channel / 20MHz / QPSK



Date: 29.NOV.2021 14:27:22

Middle Channel / 20MHz / 16QAM

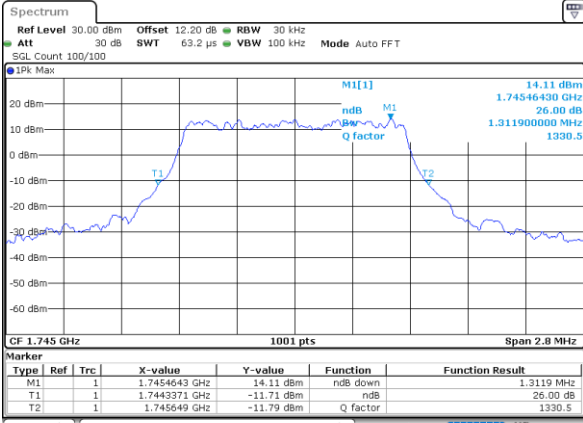


Date: 29.NOV.2021 14:27:44



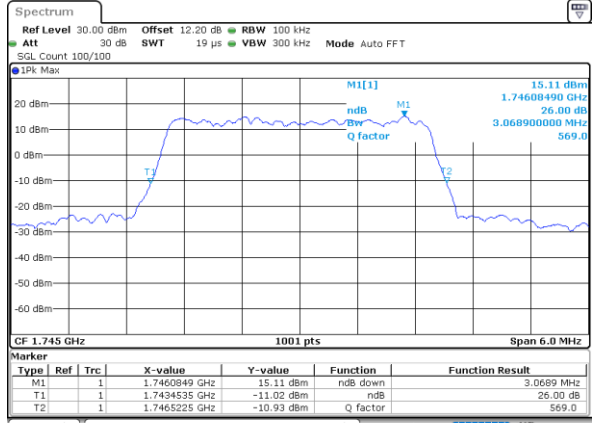
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



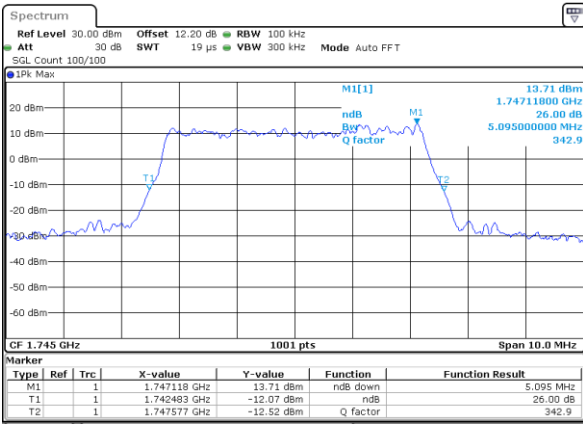
Date: 29.NOV.2021 12:44:52

Middle Channel / 3MHz / 64QAM



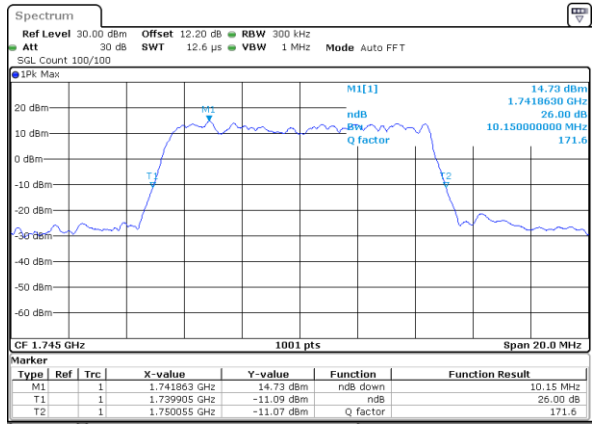
Date: 29.NOV.2021 13:08:38

Middle Channel / 5MHz / 64QAM



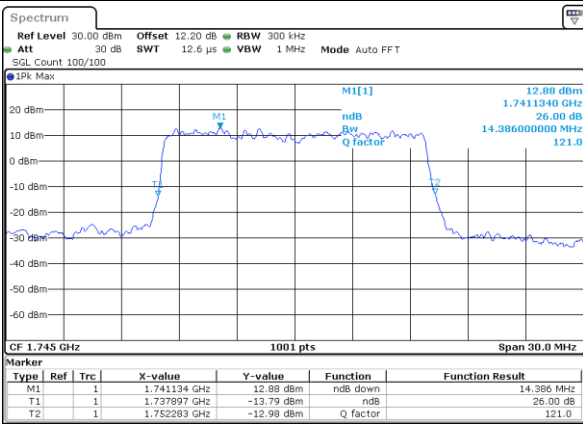
Date: 29.NOV.2021 13:28:39

Middle Channel / 10MHz / 64QAM



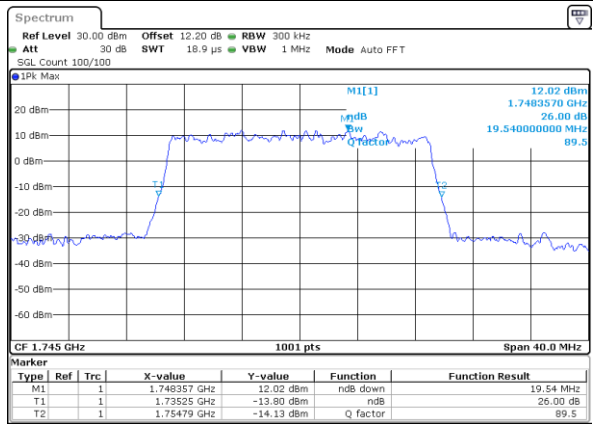
Date: 29.NOV.2021 13:47:57

Middle Channel / 15MHz / 64QAM



Date: 29.NOV.2021 14:09:17

Middle Channel / 20MHz / 64QAM



Date: 29.NOV.2021 14:28:49