



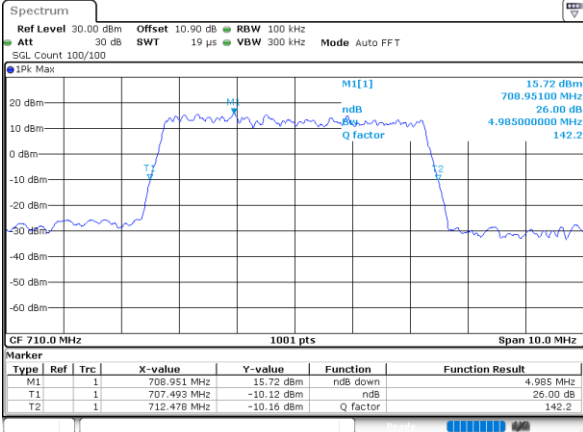
26dB Bandwidth

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
Middle CH	-	-	-	-	4.99	4.88	9.81	9.87	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.92	4.90	9.77	9.71	-	-	-	-



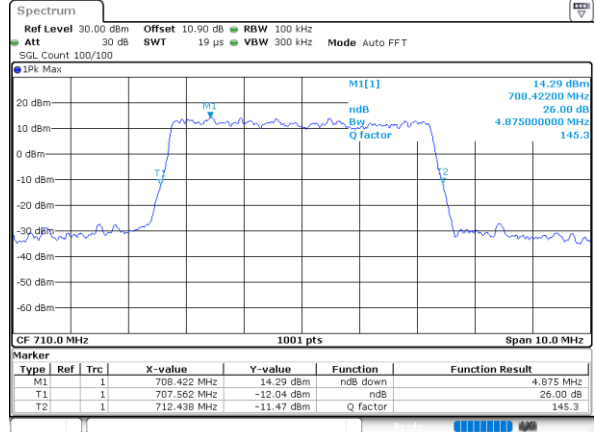
LTE Band 17

Middle Channel / 5MHz / QPSK



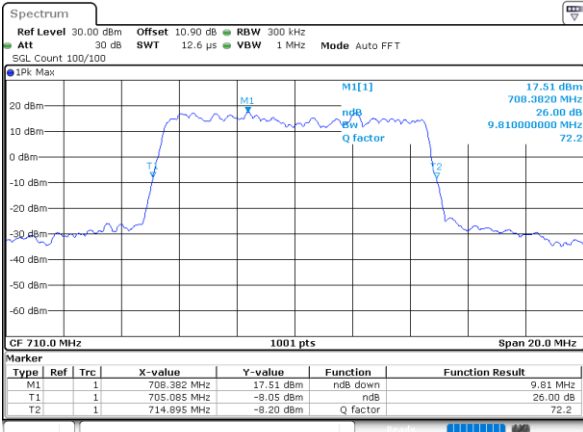
Date: 17_SEP.2022 15:49:25

Middle Channel / 5MHz / 16QAM



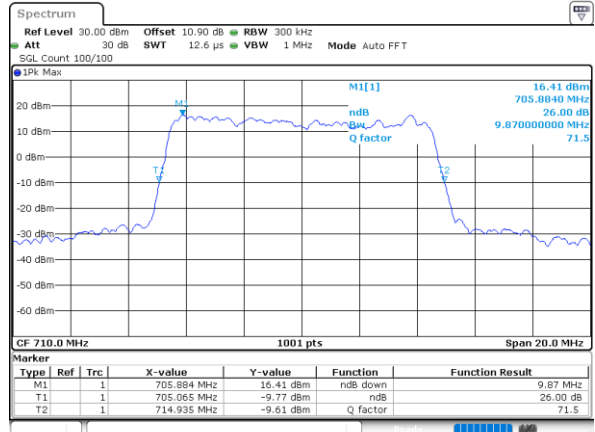
Date: 17_SEP.2022 15:49:54

Middle Channel / 10MHz / QPSK



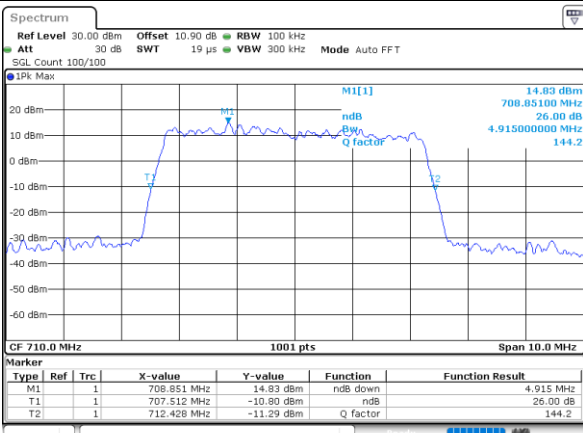
Date: 17_SEP.2022 16:02:49

Middle Channel / 10MHz / 16QAM



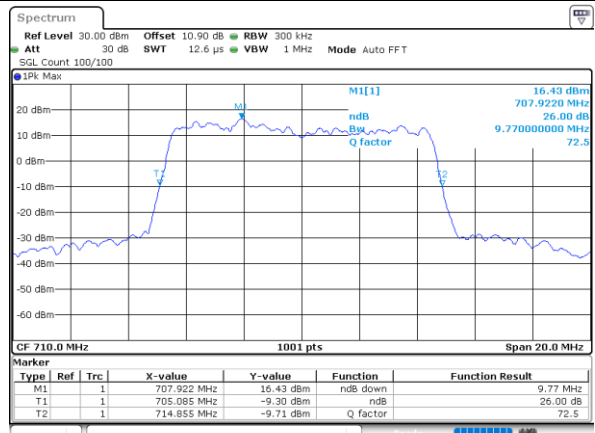
Date: 17_SEP.2022 16:03:18

Middle Channel / 5MHz / 64QAM



Date: 17_SEP.2022 16:12:20

Middle Channel / 10MHz / 64QAM

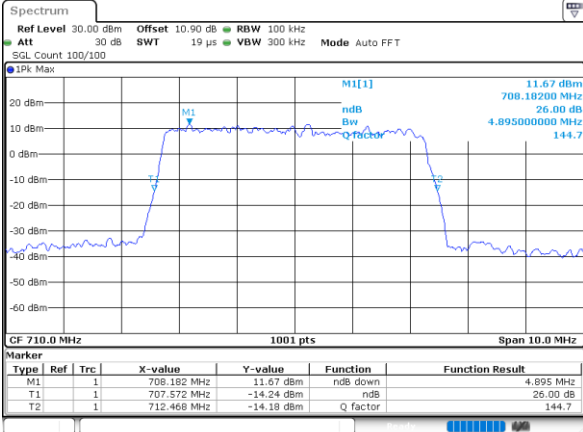


Date: 17_SEP.2022 16:17:08



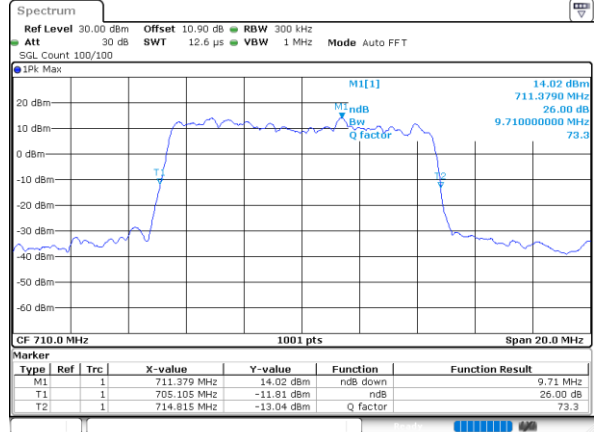
LTE Band 17

Middle Channel / 5MHz / 256QAM



Date: 17_SEP.2022 16:33:49

Middle Channel / 10MHz / 256QAM



Date: 17_SEP.2022 16:38:42



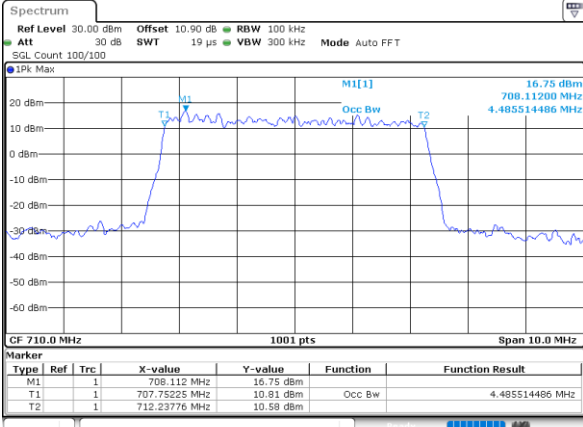
Occupied Bandwidth

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
Middle CH	-	-	-	-	4.49	4.49	9.07	9.03	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.53	4.49	9.07	9.03	-	-	-	-



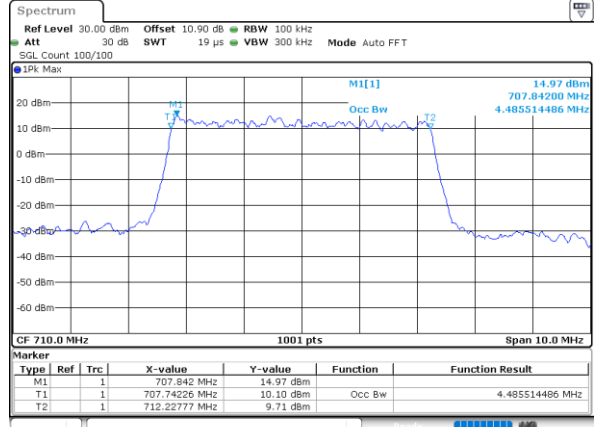
LTE Band 17

Middle Channel / 5MHz / QPSK



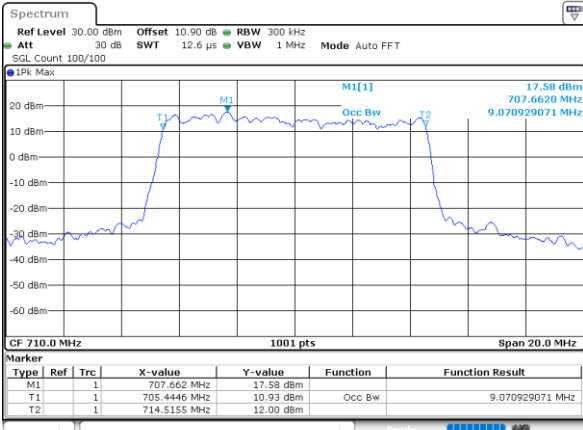
Date: 17_SEP.2022 15:48:27

Middle Channel / 5MHz / 16QAM



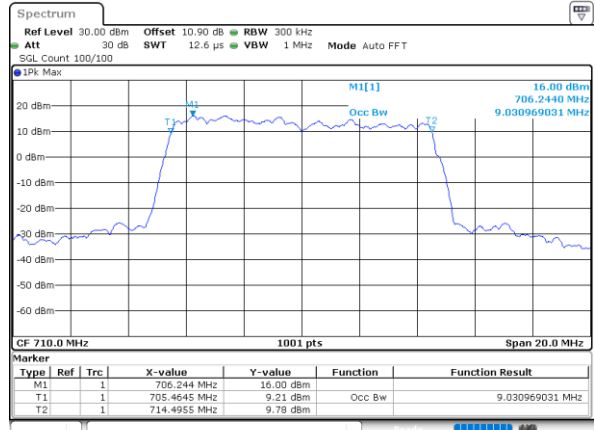
Date: 17_SEP.2022 15:48:56

Middle Channel / 10MHz / QPSK



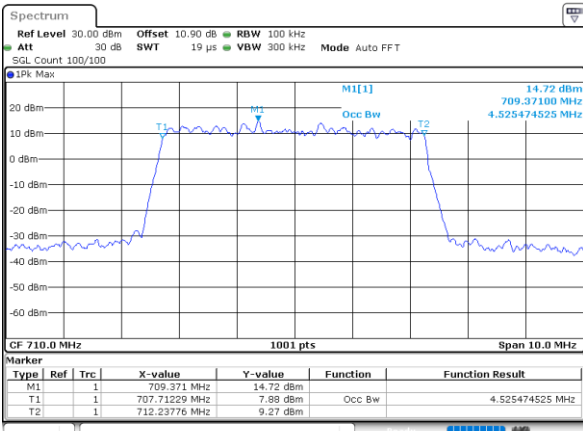
Date: 17_SEP.2022 16:01:51

Middle Channel / 10MHz / 16QAM



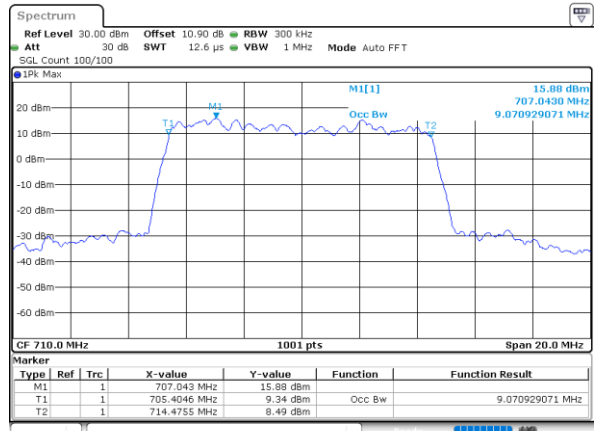
Date: 17_SEP.2022 16:02:20

Middle Channel / 5MHz / 64QAM



Date: 17_SEP.2022 16:12:06

Middle Channel / 10MHz / 64QAM



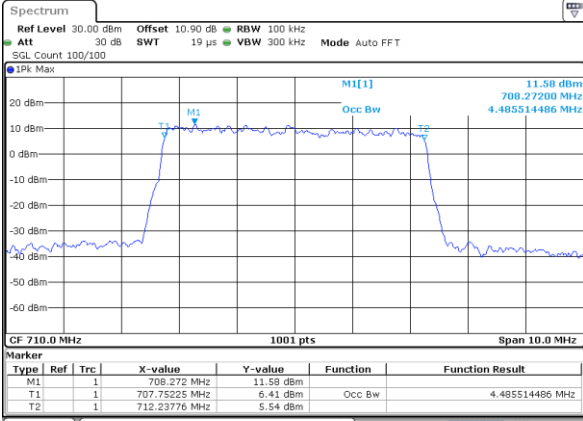
Date: 17_SEP.2022 16:16:54



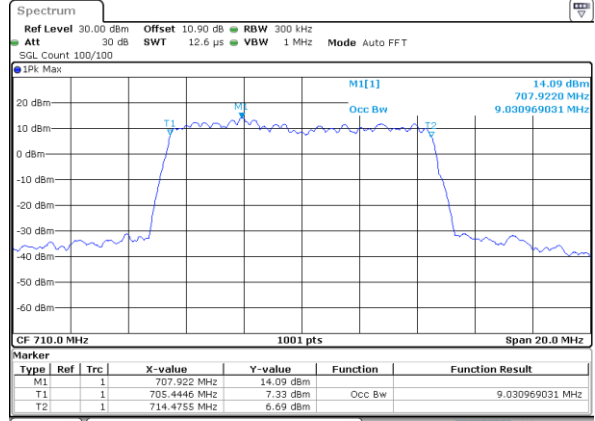
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 17_SEP.2022 16:33:35



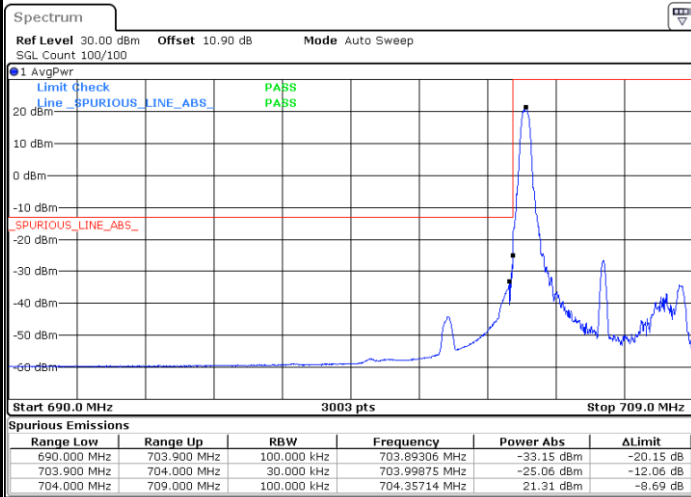
Date: 17_SEP.2022 16:38:28



Conducted Band Edge

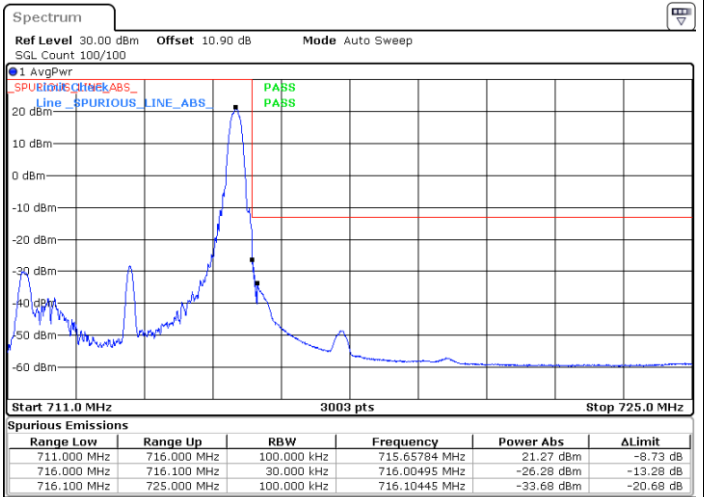
LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



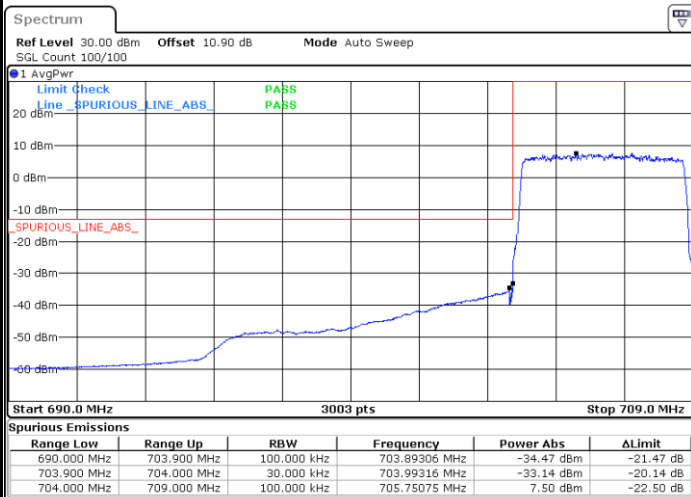
Date: 17.SEP.2022 15:43:46

Highest Band Edge / 1 RB



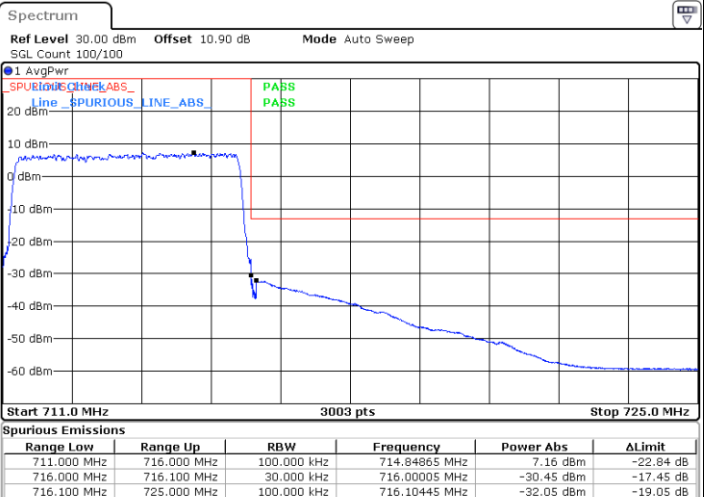
Date: 17.SEP.2022 15:52:00

Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:45:47

Highest Band Edge / Full RB

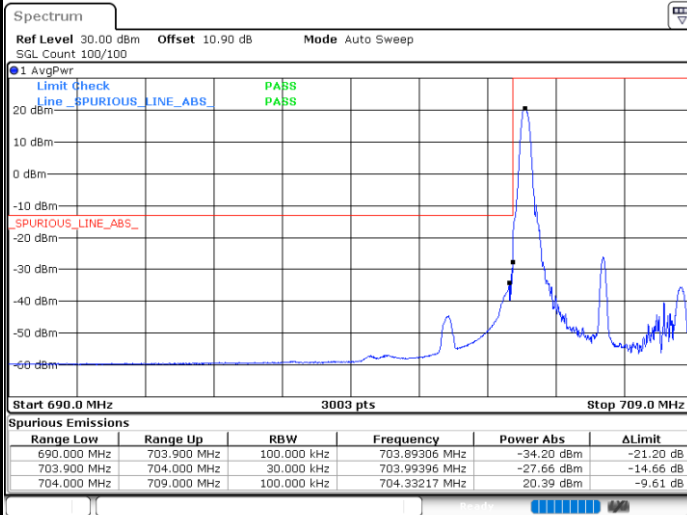


Date: 17.SEP.2022 15:53:58

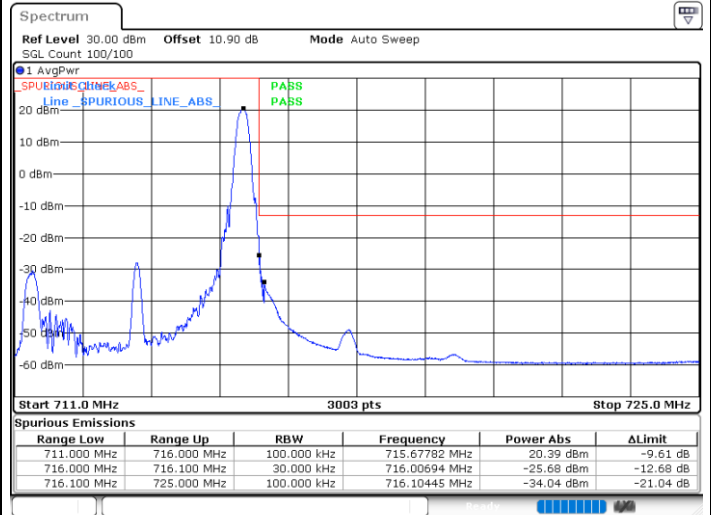


LTE Band 17 / 5MHz / 16QAM

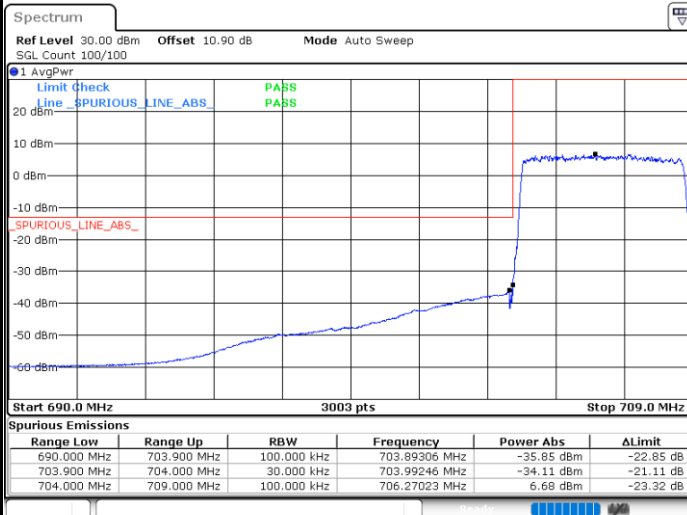
Lowest Band Edge / 1 RB



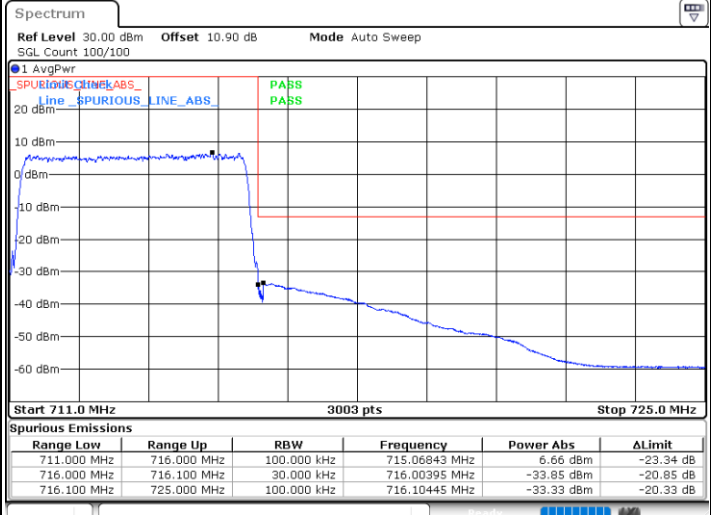
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



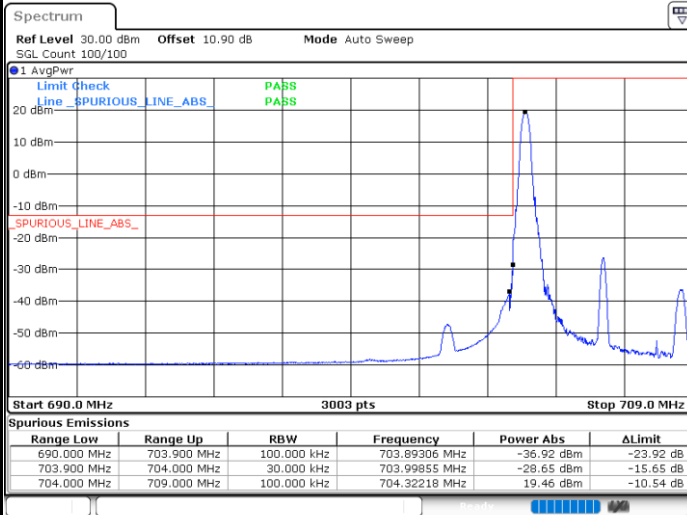
Highest Band Edge / Full RB





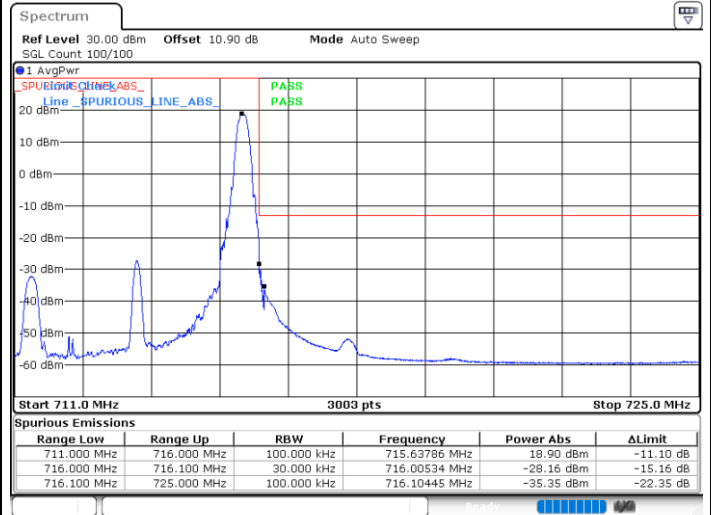
LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



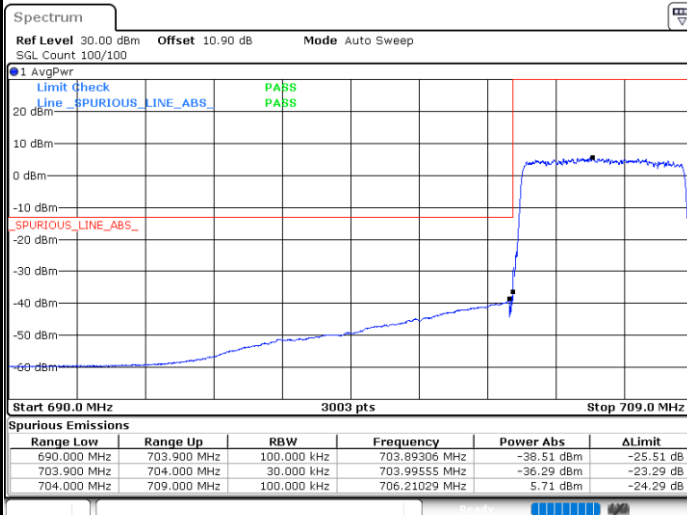
Date: 17.SEP.2022 16:10:36

Highest Band Edge / 1 RB



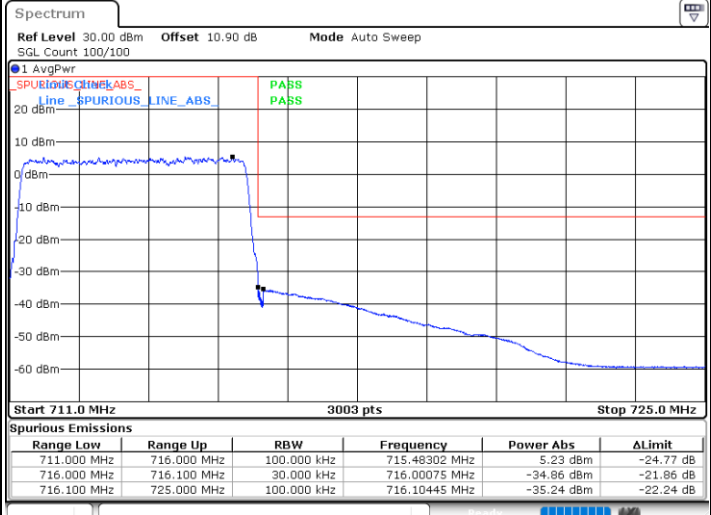
Date: 17.SEP.2022 16:13:19

Lowest Band Edge / Full RB



Date: 17.SEP.2022 16:11:37

Highest Band Edge / Full RB

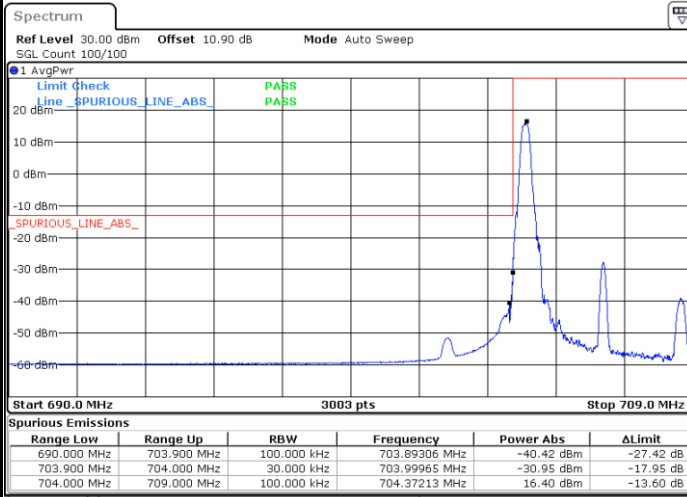


Date: 17.SEP.2022 16:14:18



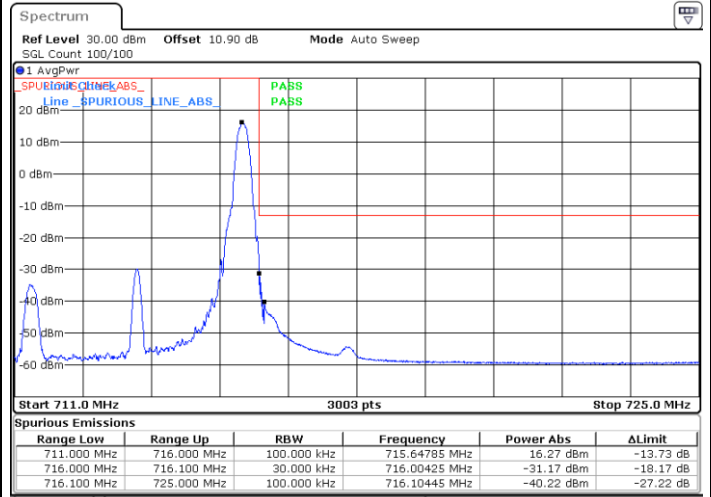
LTE Band 17 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



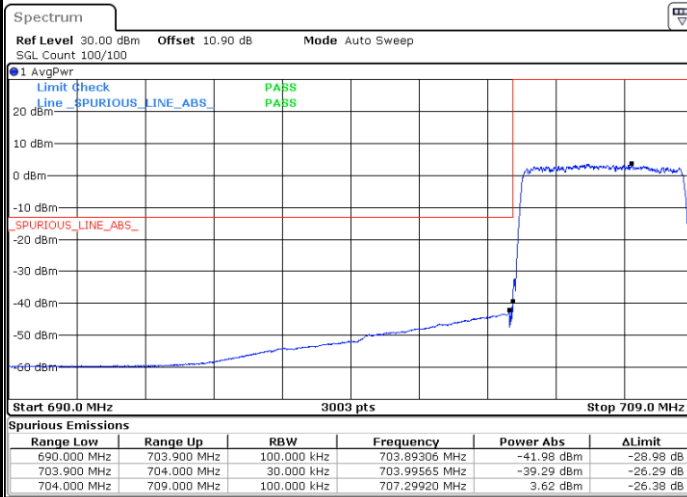
Date: 17_SEP.2022 16:32:01

Highest Band Edge / 1 RB



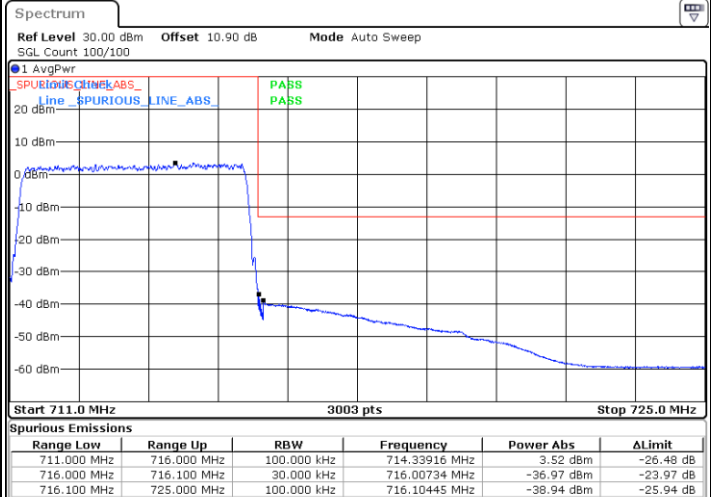
Date: 17_SEP.2022 16:34:47

Lowest Band Edge / Full RB



Date: 17_SEP.2022 16:33:05

Highest Band Edge / Full RB

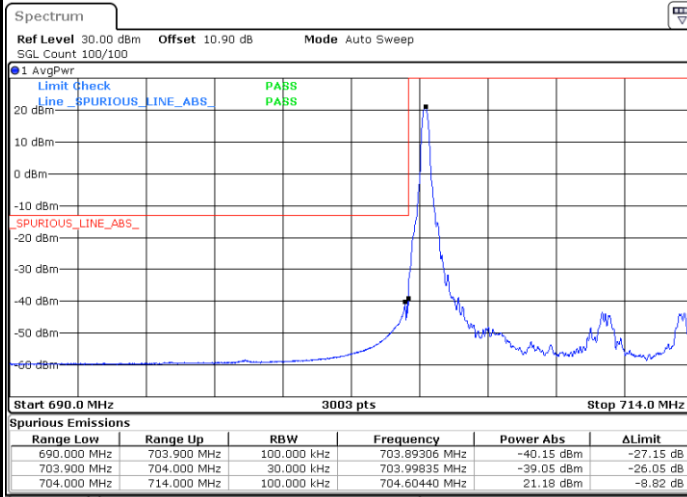


Date: 17_SEP.2022 16:35:49



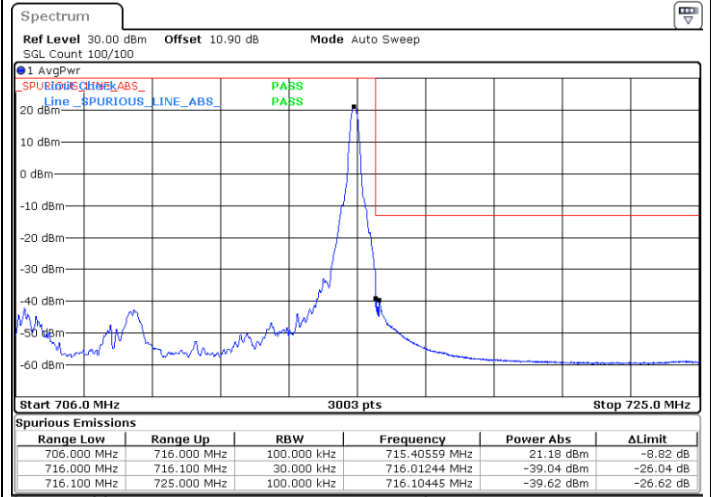
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



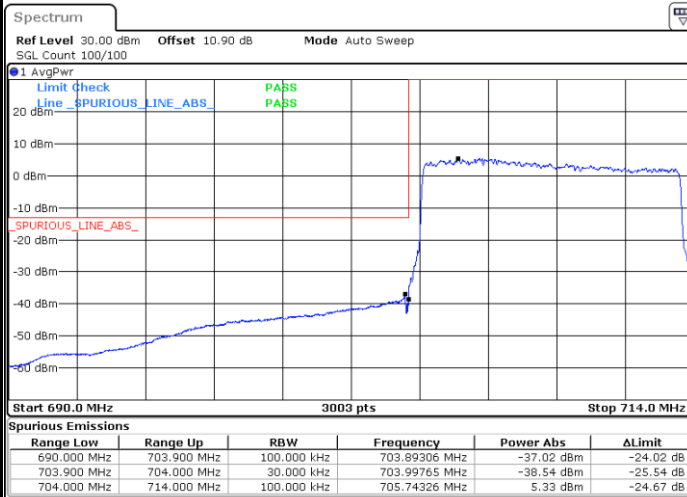
Date: 17.SEP.2022 15:57:11

Highest Band Edge / 1 RB



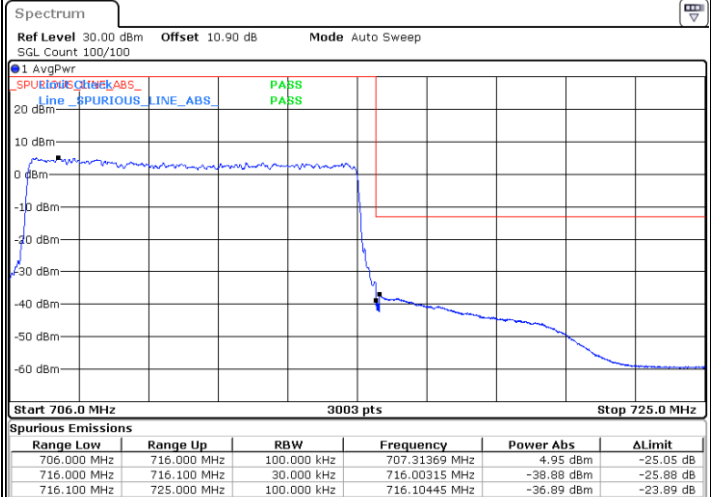
Date: 17.SEP.2022 16:05:24

Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:59:12

Highest Band Edge / Full RB

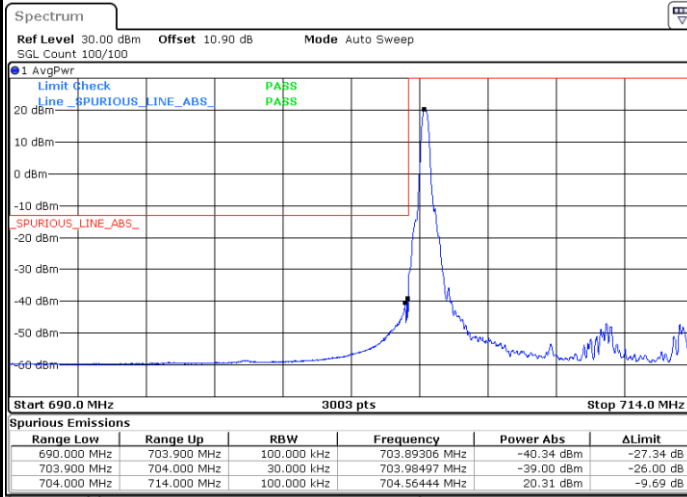


Date: 17.SEP.2022 16:07:23



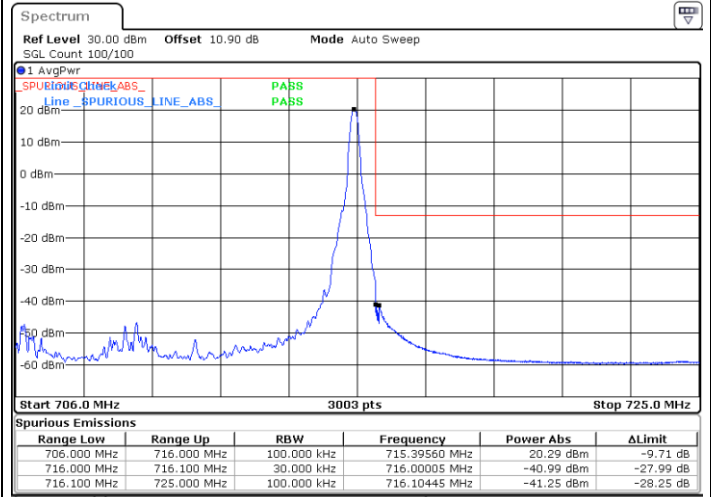
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



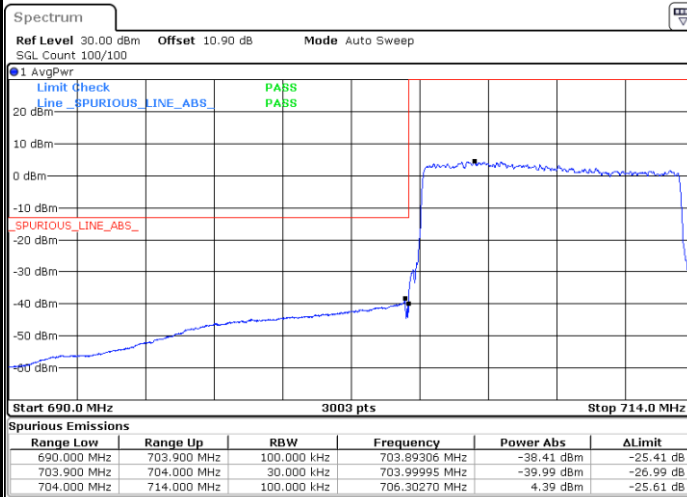
Date: 17.SEP.2022 15:58:12

Highest Band Edge / 1 RB



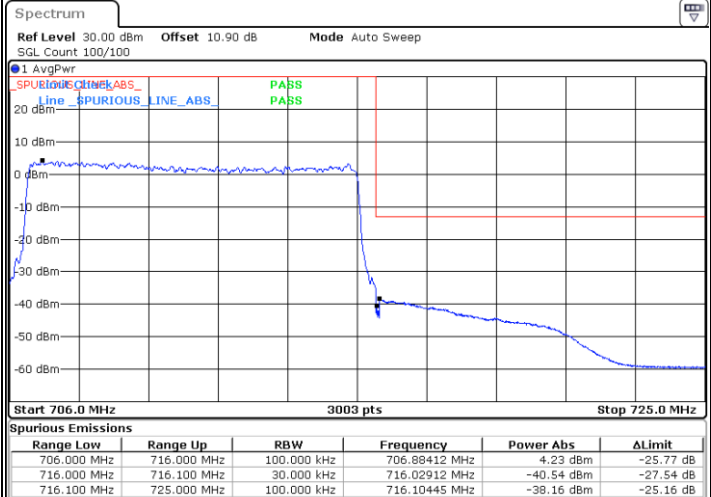
Date: 17.SEP.2022 16:06:24

Lowest Band Edge / Full RB



Date: 17.SEP.2022 16:00:13

Highest Band Edge / Full RB

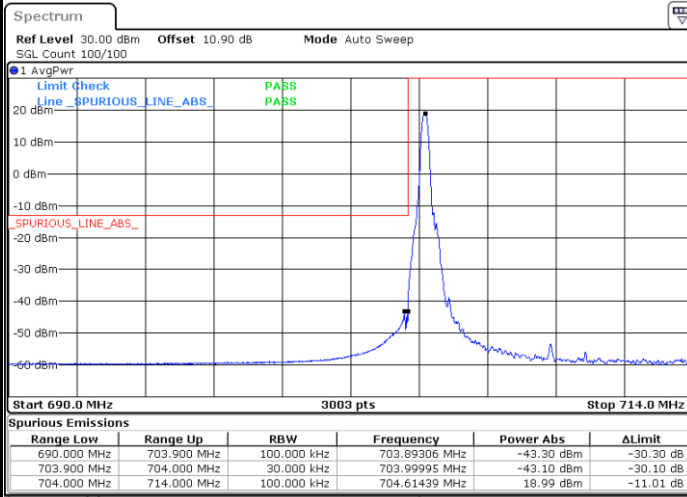


Date: 17.SEP.2022 16:08:22



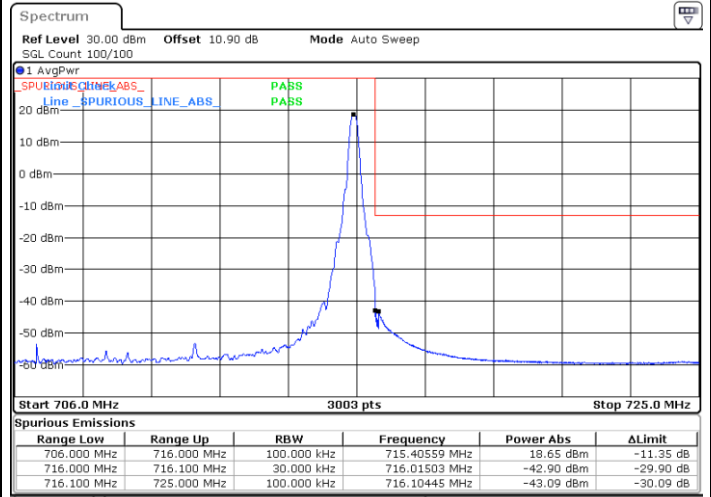
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



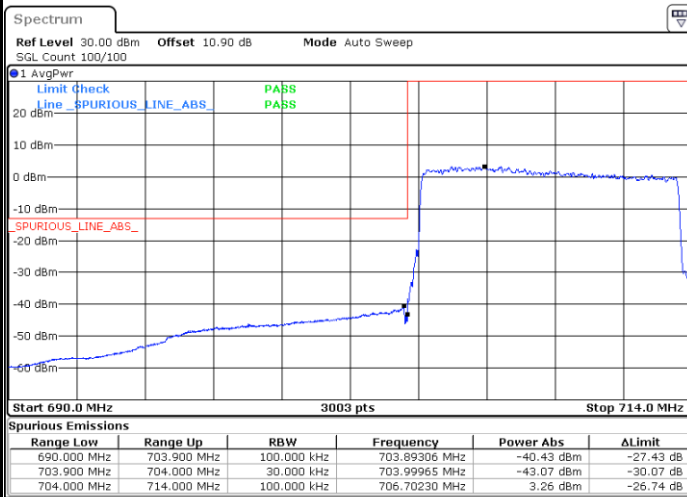
Date: 17.SEP.2022 16:15:24

Highest Band Edge / 1 RB



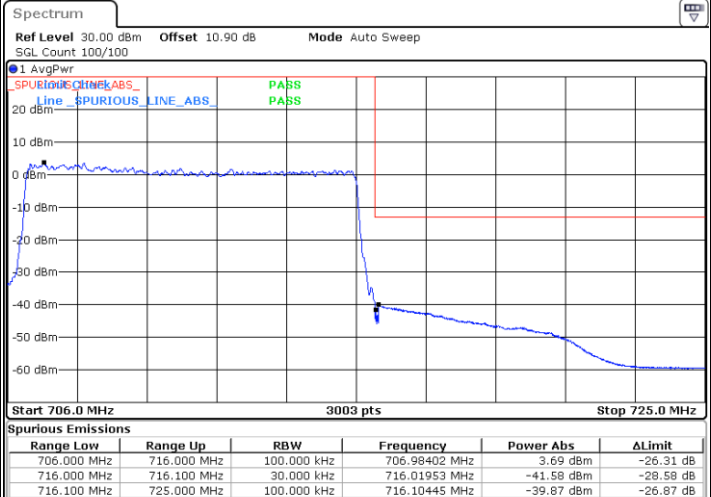
Date: 17.SEP.2022 16:18:06

Lowest Band Edge / Full RB



Date: 17.SEP.2022 16:16:24

Highest Band Edge / Full RB

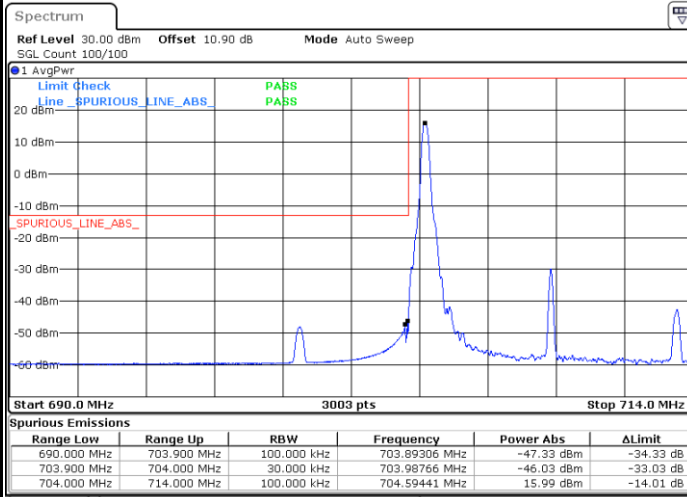


Date: 17.SEP.2022 16:19:05



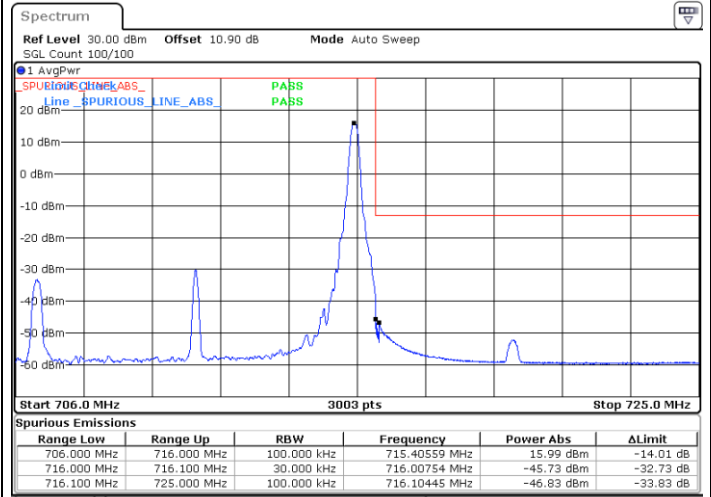
LTE Band 17 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



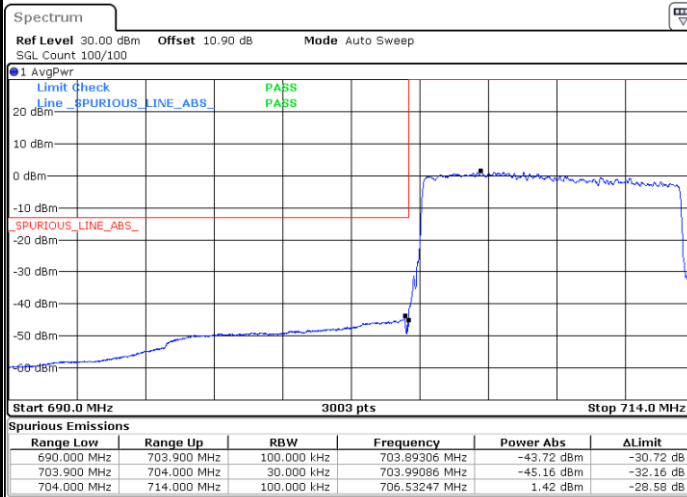
Date: 17.SEP.2022 16:36:54

Highest Band Edge / 1 RB



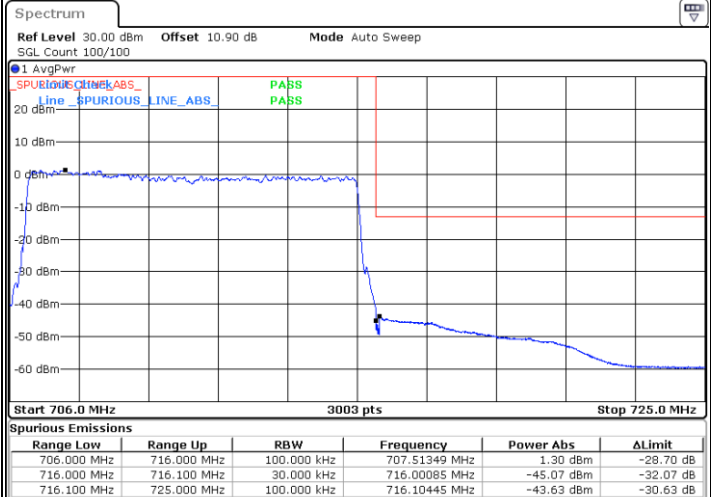
Date: 17.SEP.2022 16:39:40

Lowest Band Edge / Full RB



Date: 17.SEP.2022 16:37:58

Highest Band Edge / Full RB



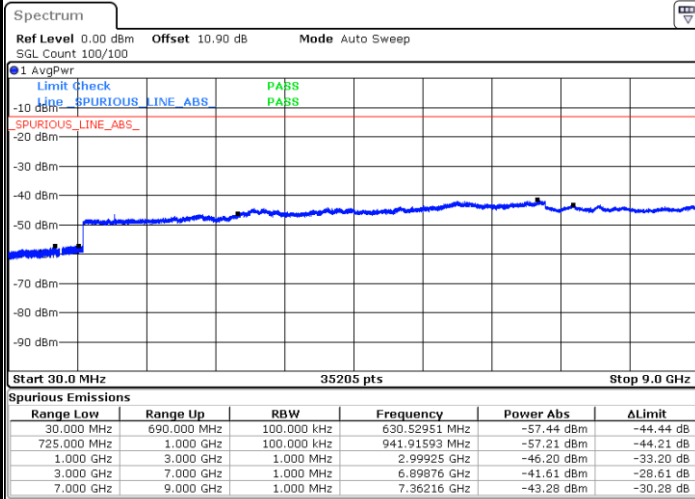
Date: 17.SEP.2022 16:40:42



Conducted Spurious Emission

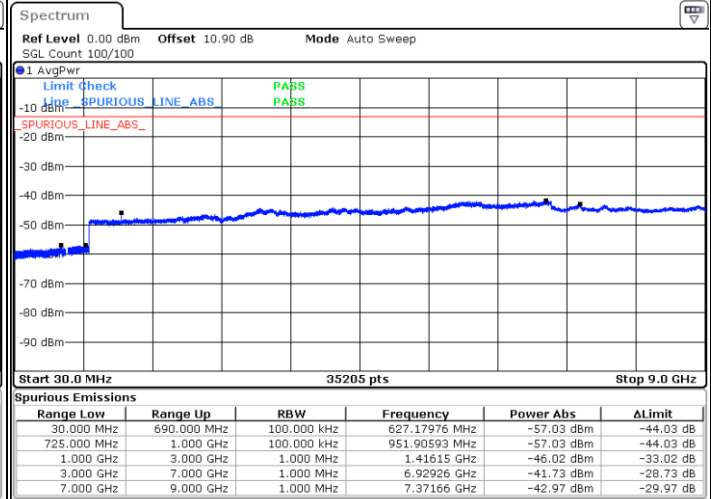
LTE Band 17 / 5MHz

Lowest Channel / QPSK



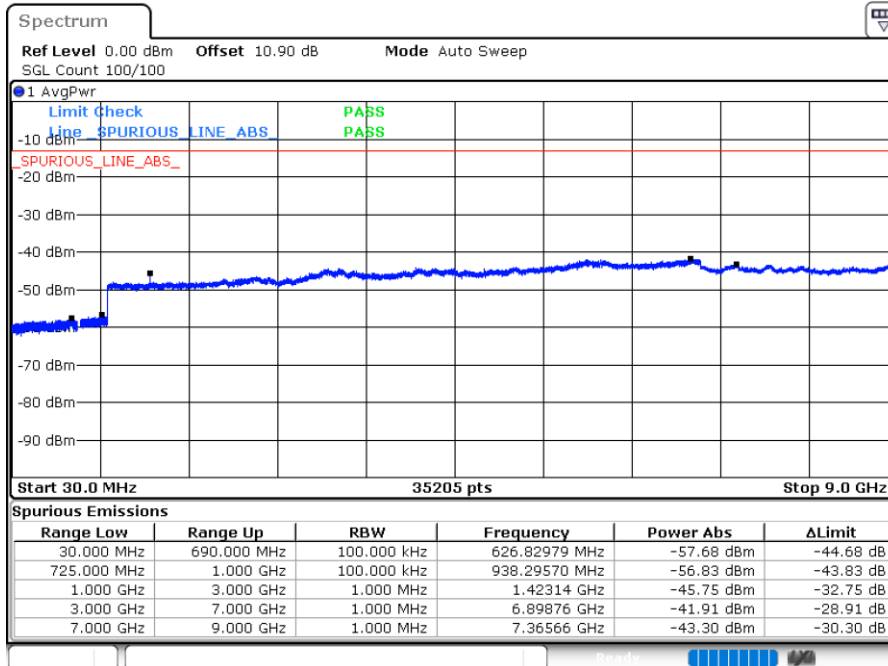
Date: 17.SEP.2022 15:47:57

Middle Channel / QPSK



Date: 17.SEP.2022 15:51:01

Highest Channel / QPSK



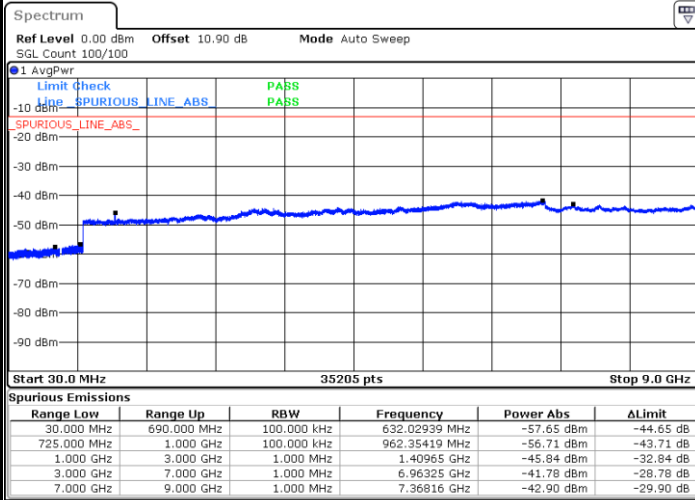
Date: 17.SEP.2022 15:56:06



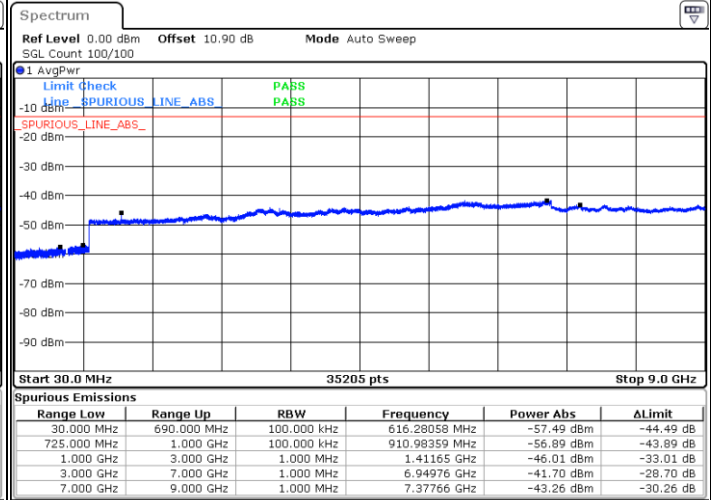
LTE Band 17 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

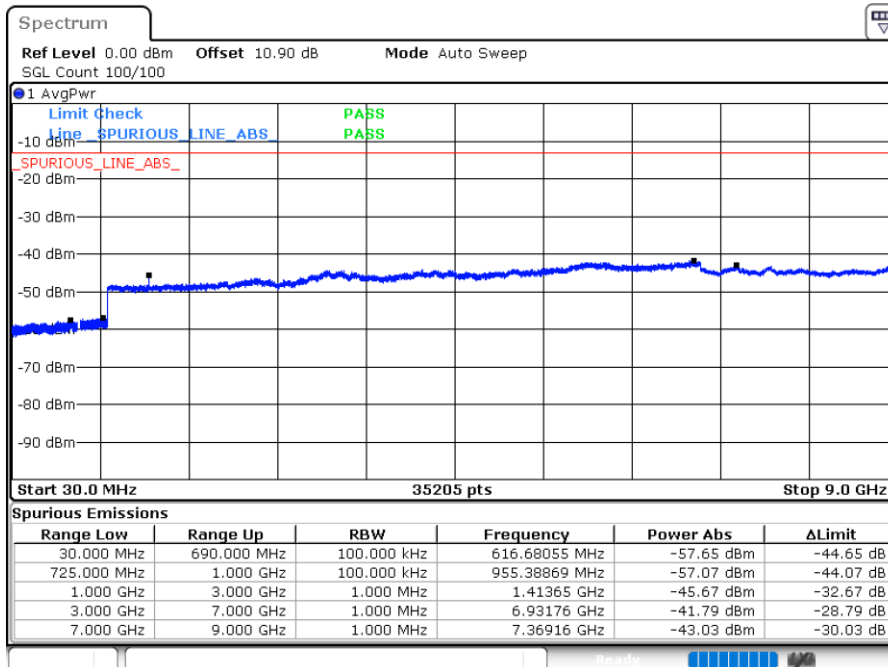


Date: 17.SEP.2022 16:01:22



Date: 17.SEP.2022 16:04:26

Highest Channel / QPSK



Date: 17.SEP.2022 16:09:31



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	0.0061	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0104	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0139	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

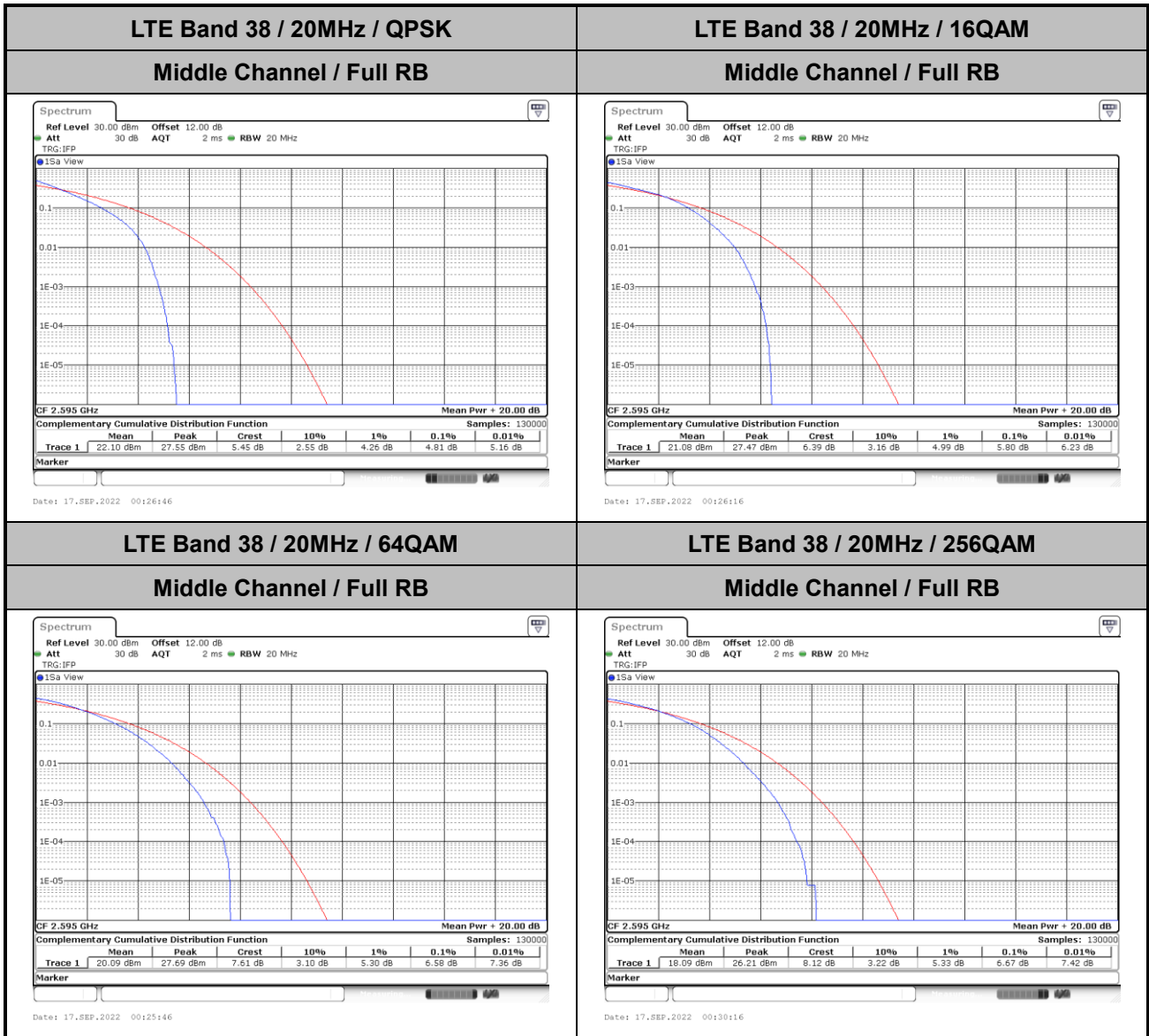
1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.80	6.58	6.67	PASS





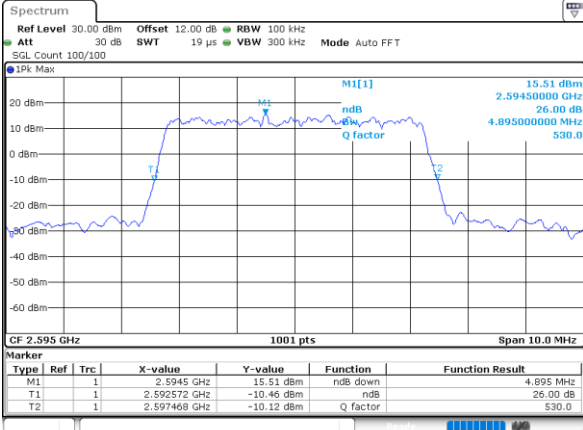
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.90	4.76	9.67	9.65	14.36	14.48	18.94	18.62
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.87	4.84	10.47	9.87	14.33	14.27	18.90	18.94



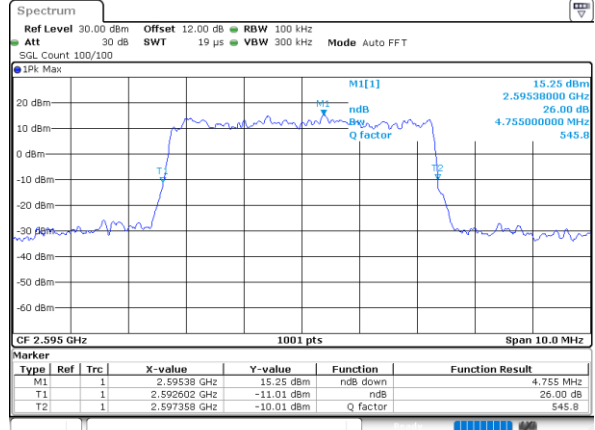
LTE Band 38

Middle Channel / 5MHz / QPSK



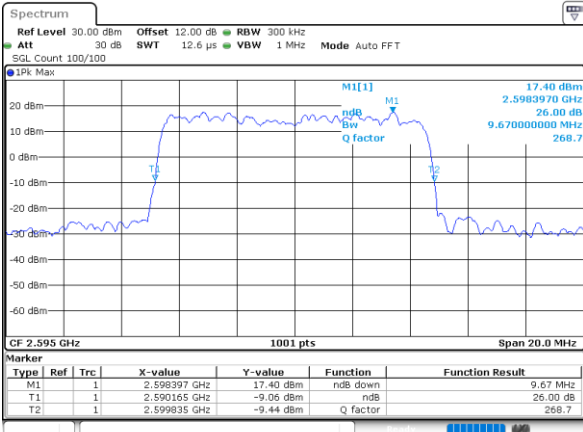
Date: 17_SEP.2022 00:15:44

Middle Channel / 5MHz / 16QAM



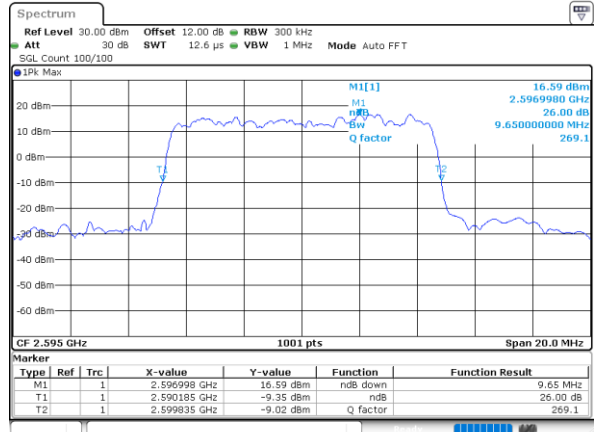
Date: 17_SEP.2022 00:16:13

Middle Channel / 10MHz / QPSK



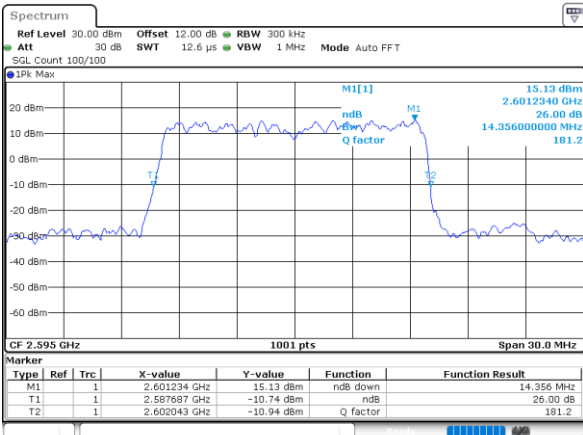
Date: 17_SEP.2022 00:17:46

Middle Channel / 10MHz / 16QAM



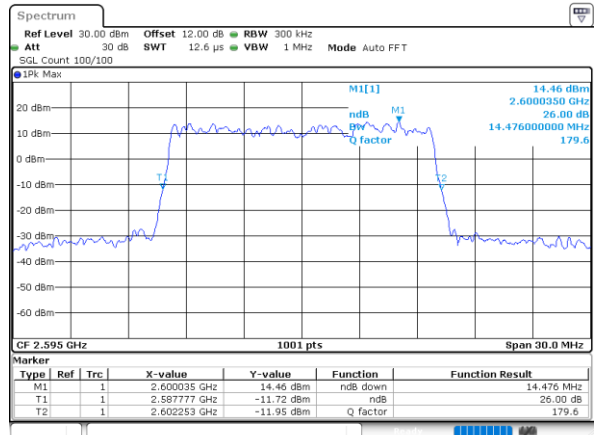
Date: 17_SEP.2022 00:18:14

Middle Channel / 15MHz / QPSK



Date: 17_SEP.2022 00:19:47

Middle Channel / 15MHz / 16QAM

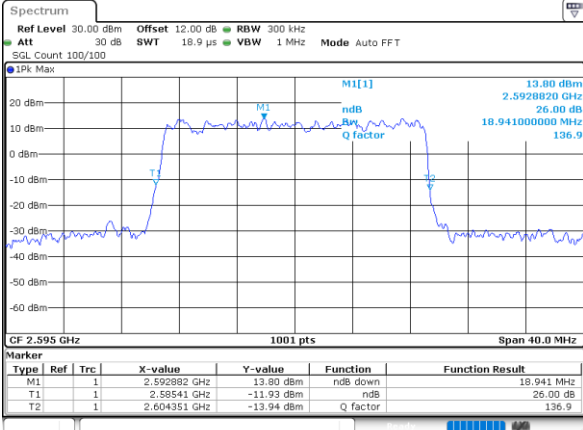


Date: 17_SEP.2022 00:20:15



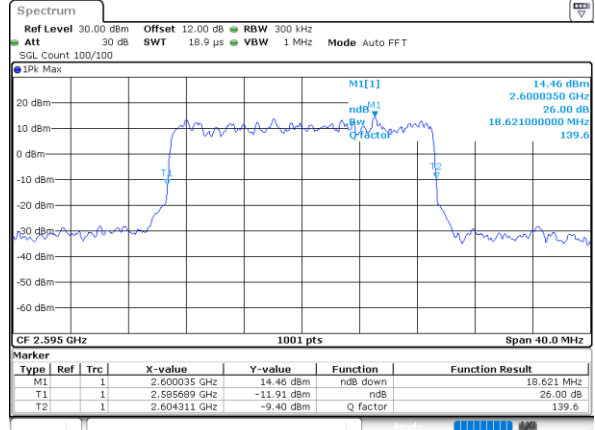
LTE Band 38

Middle Channel / 20MHz / QPSK



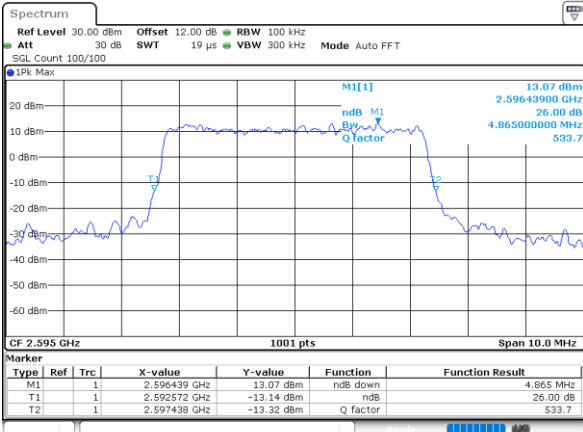
Date: 17_SEP.2022 00:21:48

Middle Channel / 20MHz / 16QAM



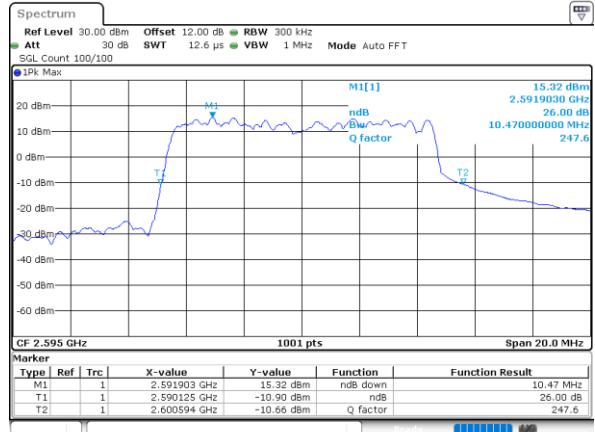
Date: 17_SEP.2022 00:22:16

Middle Channel / 5MHz / 64QAM



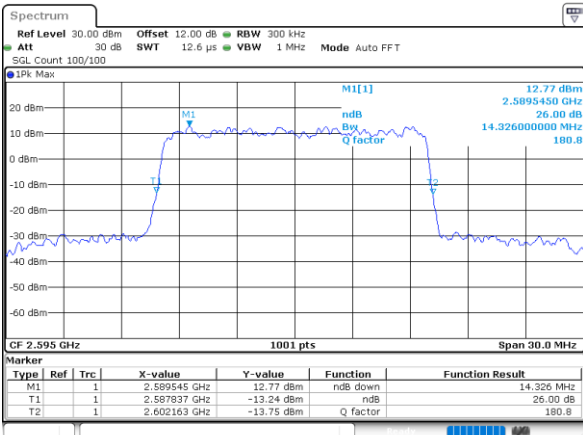
Date: 17_SEP.2022 00:23:05

Middle Channel / 10MHz / 64QAM



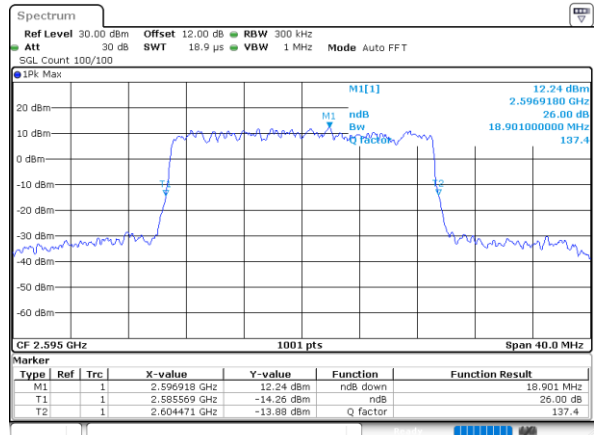
Date: 17_SEP.2022 00:23:53

Middle Channel / 15MHz / 64QAM



Date: 17_SEP.2022 00:24:42

Middle Channel / 20MHz / 64QAM

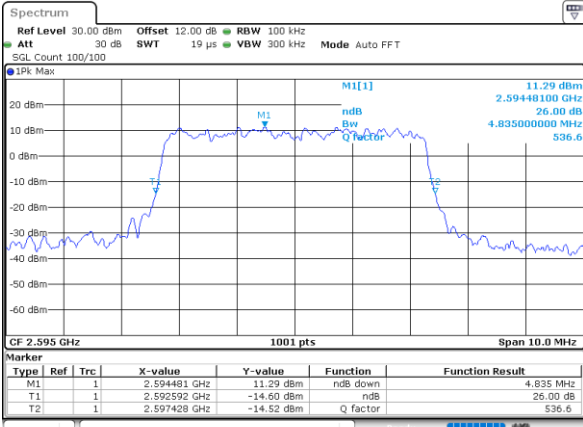


Date: 17_SEP.2022 00:25:31



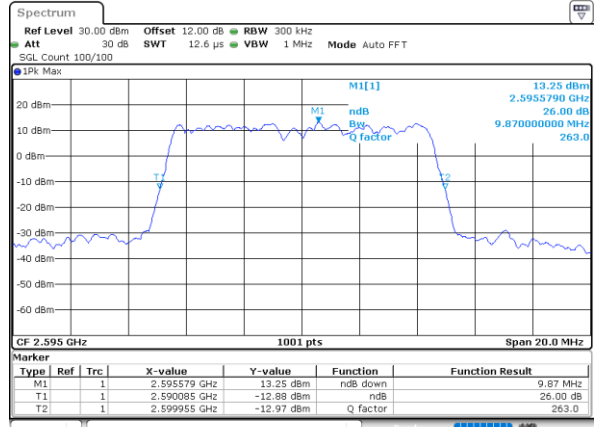
LTE Band 38

Middle Channel / 5MHz / 256QAM



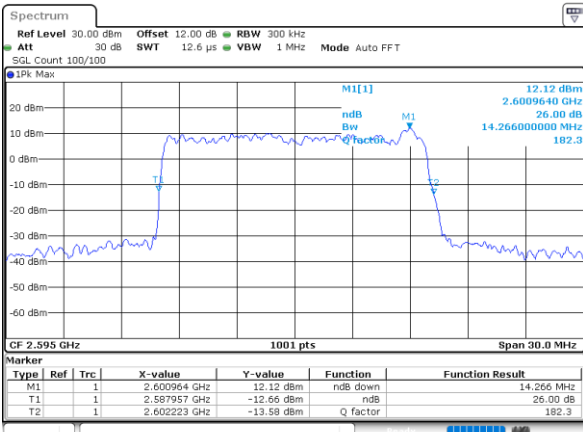
Date: 17_SEP.2022 00:27:35

Middle Channel / 10MHz / 256QAM



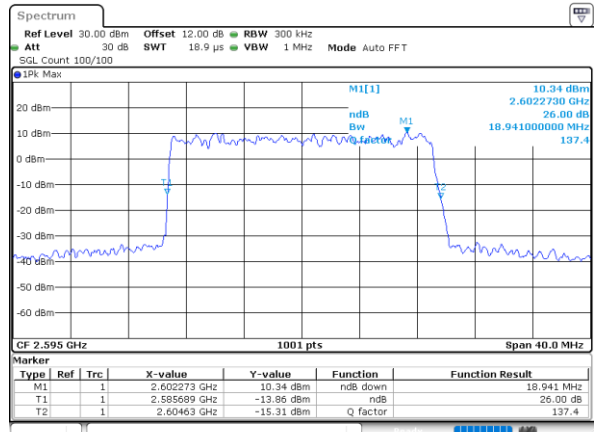
Date: 17_SEP.2022 00:28:24

Middle Channel / 15MHz / 256QAM



Date: 17_SEP.2022 00:29:12

Middle Channel / 20MHz / 256QAM



Date: 17_SEP.2022 00:30:01



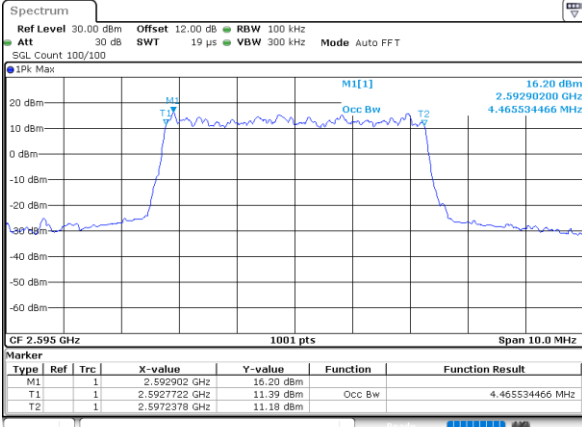
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.48	9.09	9.03	13.40	13.49	17.82	17.90
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.51	4.47	9.03	9.03	13.46	13.46	17.78	17.86



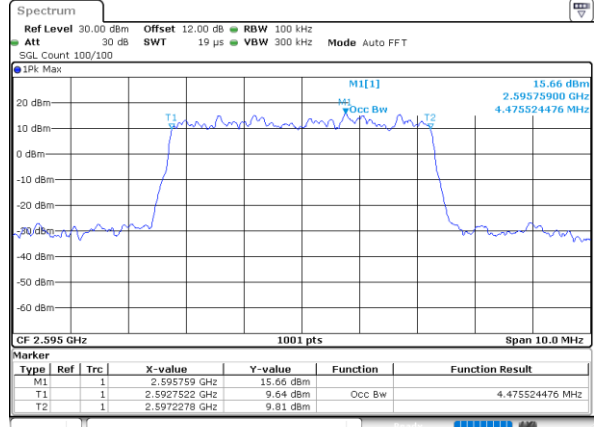
LTE Band 38

Middle Channel / 5MHz / QPSK



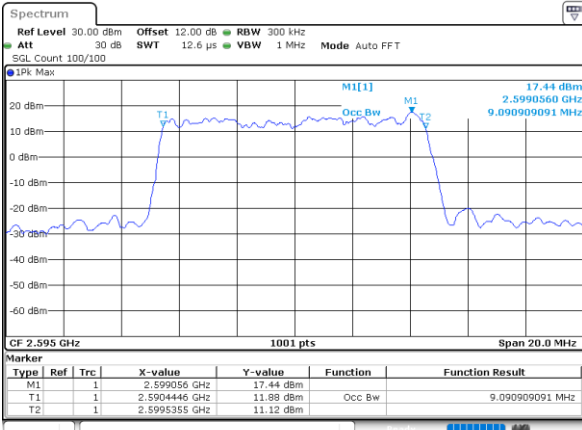
Date: 17_SEP.2022 00:14:47

Middle Channel / 5MHz / 16QAM



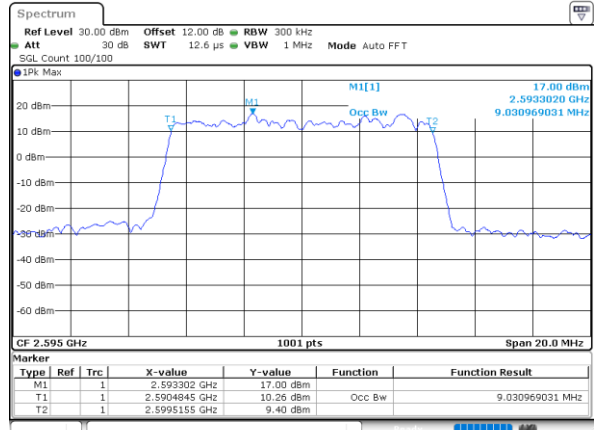
Date: 17_SEP.2022 00:15:16

Middle Channel / 10MHz / QPSK



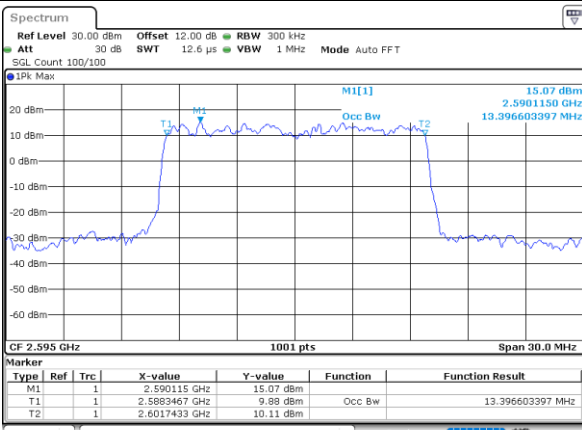
Date: 17_SEP.2022 00:16:48

Middle Channel / 10MHz / 16QAM



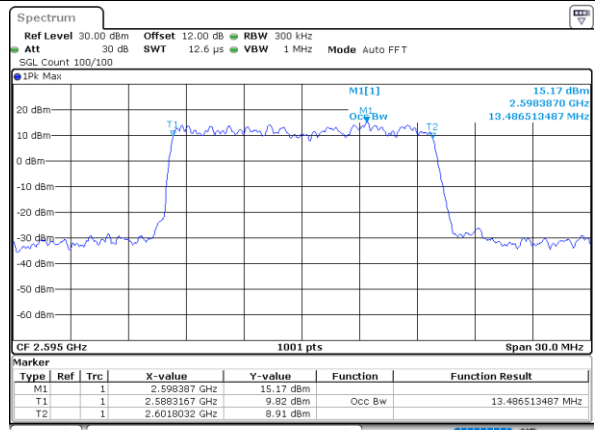
Date: 17_SEP.2022 00:17:17

Middle Channel / 15MHz / QPSK



Date: 17_SEP.2022 00:18:49

Middle Channel / 15MHz / 16QAM

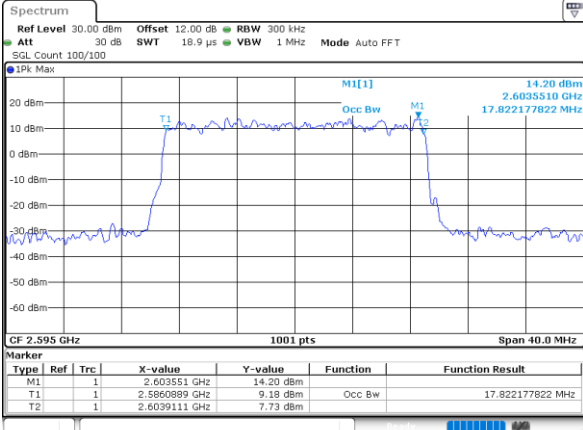


Date: 17_SEP.2022 00:19:18



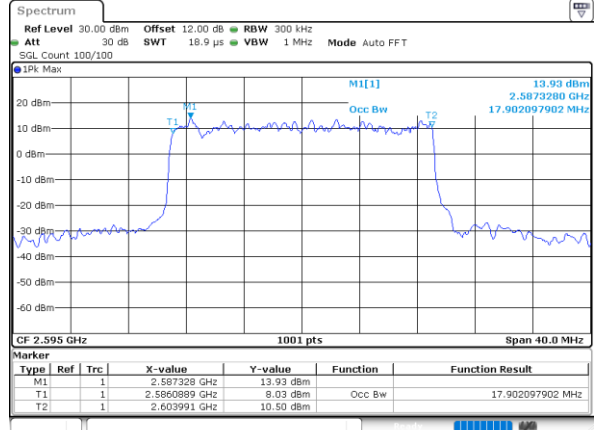
LTE Band 38

Middle Channel / 20MHz / QPSK



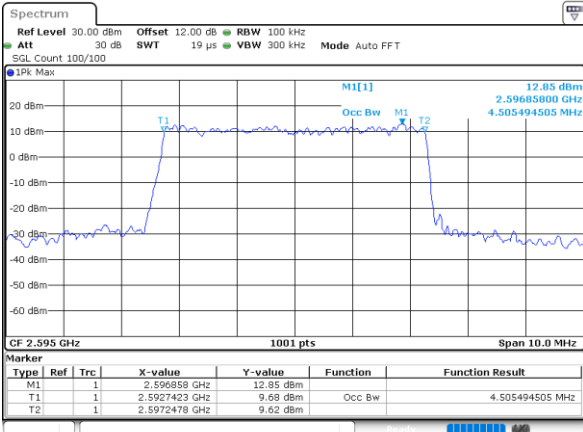
Date: 17_SEP.2022 00:20:50

Middle Channel / 20MHz / 16QAM



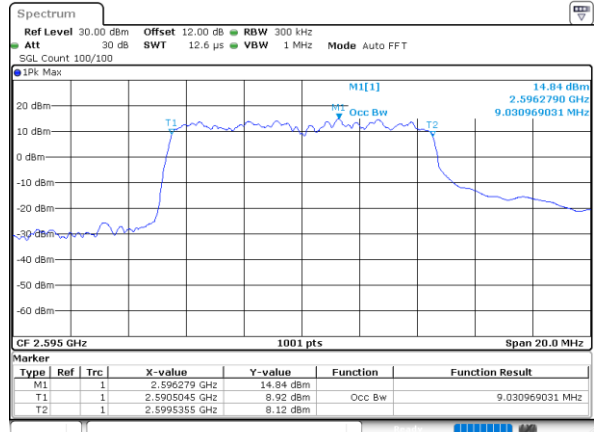
Date: 17_SEP.2022 00:21:19

Middle Channel / 5MHz / 64QAM



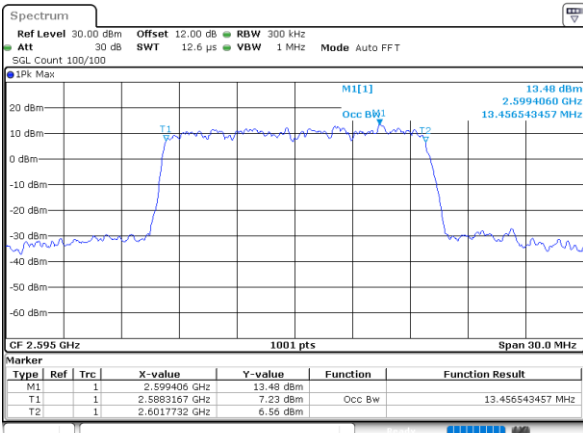
Date: 17_SEP.2022 00:22:51

Middle Channel / 10MHz / 64QAM



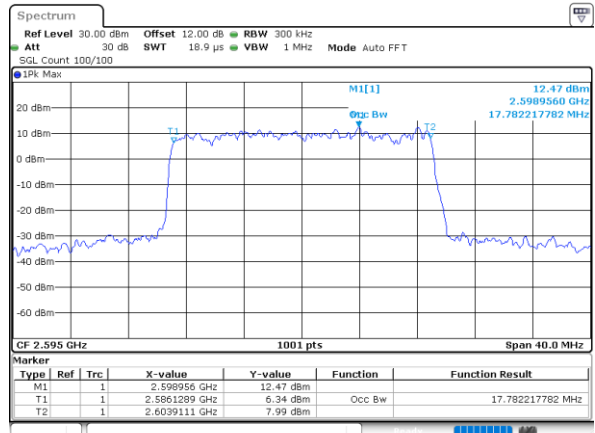
Date: 17_SEP.2022 00:23:39

Middle Channel / 15MHz / 64QAM



Date: 17_SEP.2022 00:24:28

Middle Channel / 20MHz / 64QAM

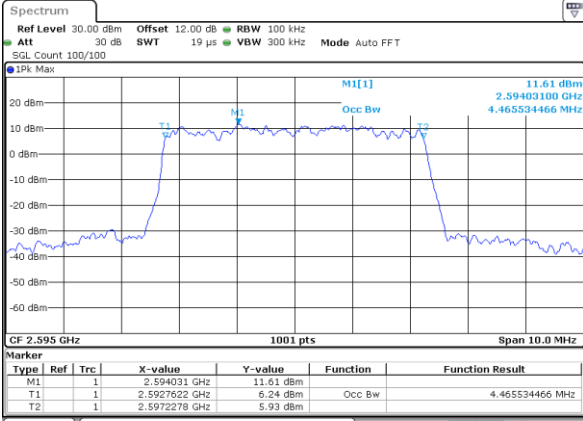


Date: 17_SEP.2022 00:25:16



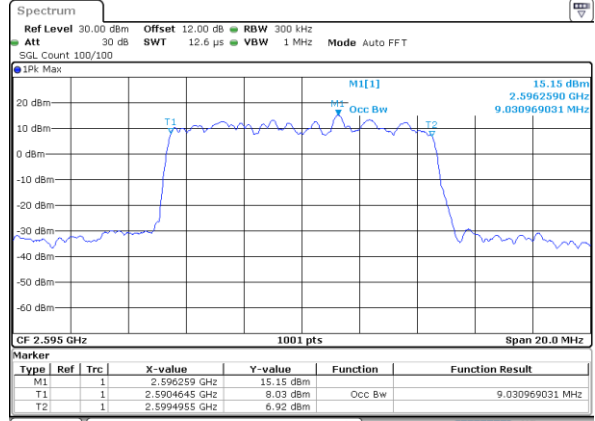
LTE Band 38

Middle Channel / 5MHz / 256QAM



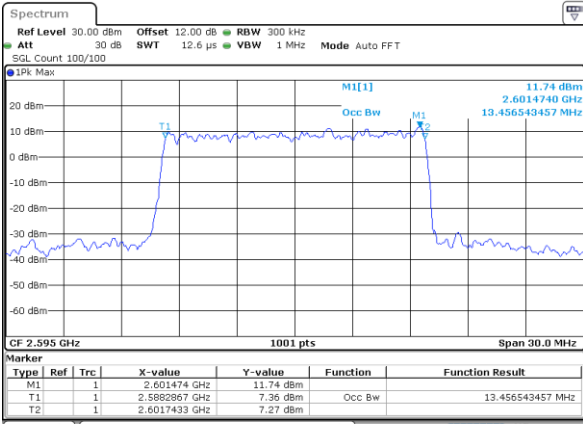
Date: 17_SEP.2022 00:27:21

Middle Channel / 10MHz / 256QAM



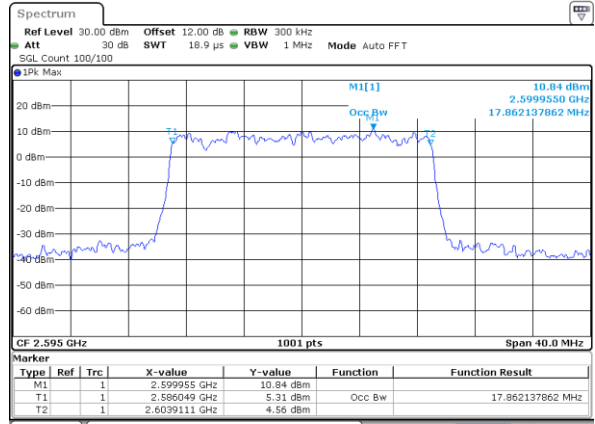
Date: 17_SEP.2022 00:28:10

Middle Channel / 15MHz / 256QAM



Date: 17_SEP.2022 00:28:58

Middle Channel / 20MHz / 256QAM



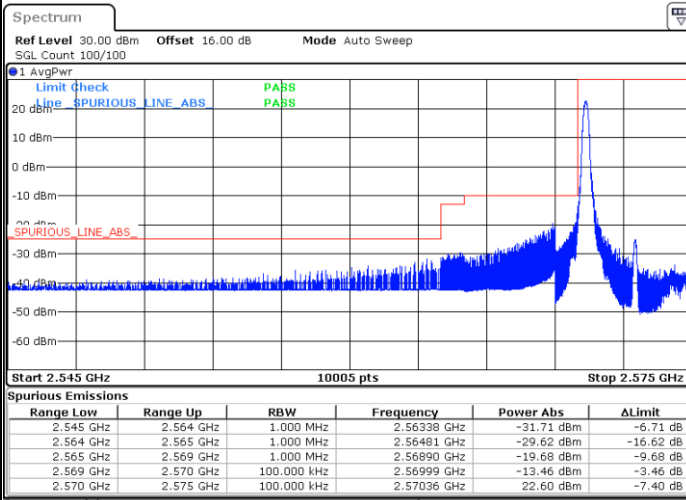
Date: 17_SEP.2022 00:29:47



Conducted Band Edge

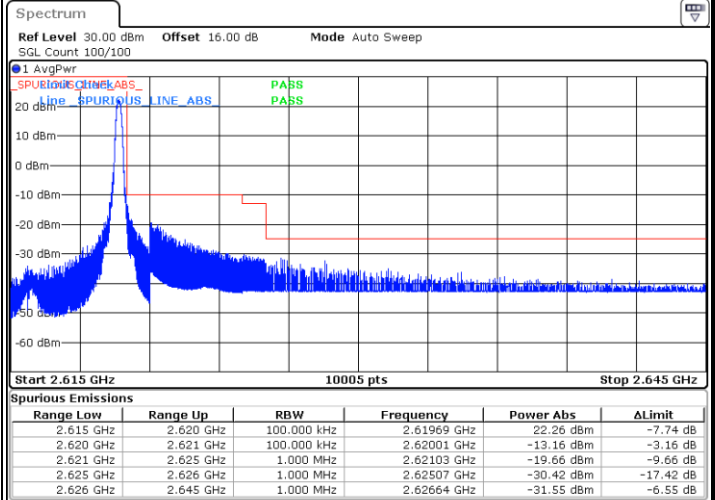
LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB



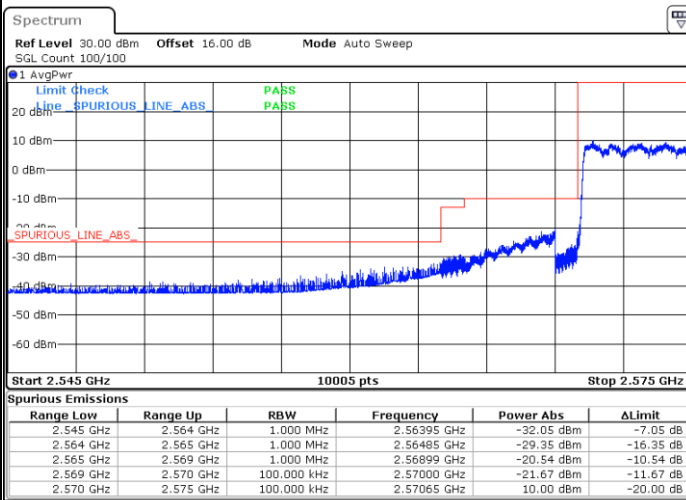
Date: 16.SEP.2022 22:57:25

Highest Band Edge / 1 RB



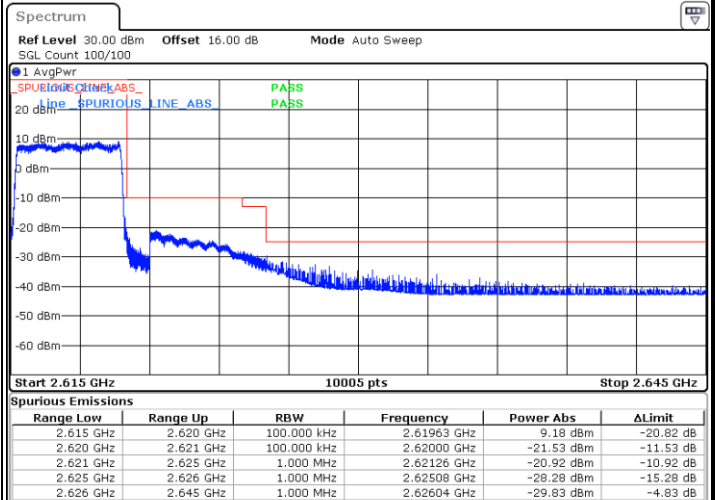
Date: 16.SEP.2022 23:03:15

Lowest Band Edge / Full RB



Date: 16.SEP.2022 22:59:22

Highest Band Edge / Full RB

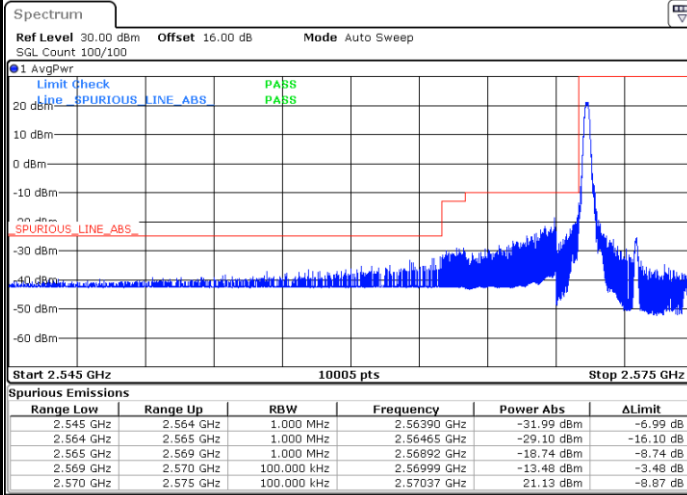


Date: 16.SEP.2022 23:01:18



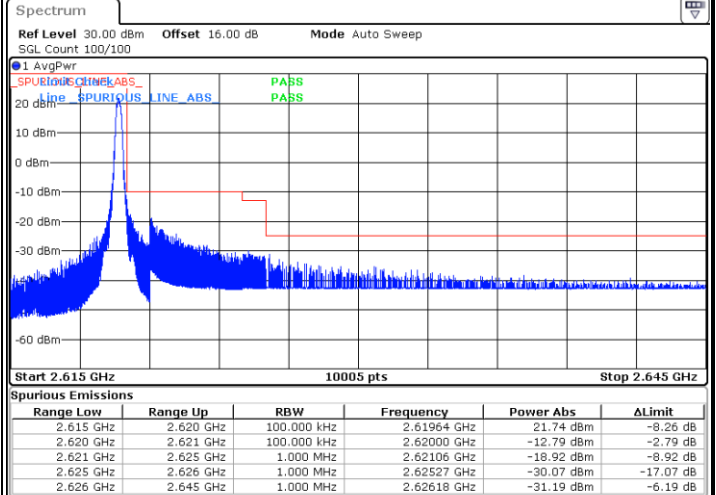
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



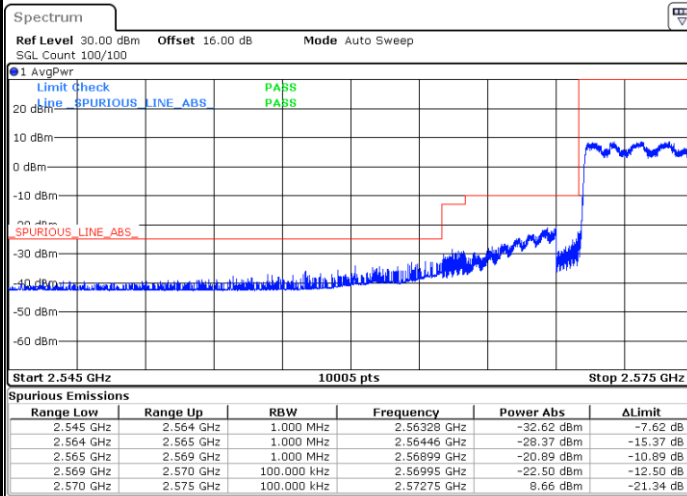
Date: 16.SEP.2022 22:58:23

Highest Band Edge / 1 RB



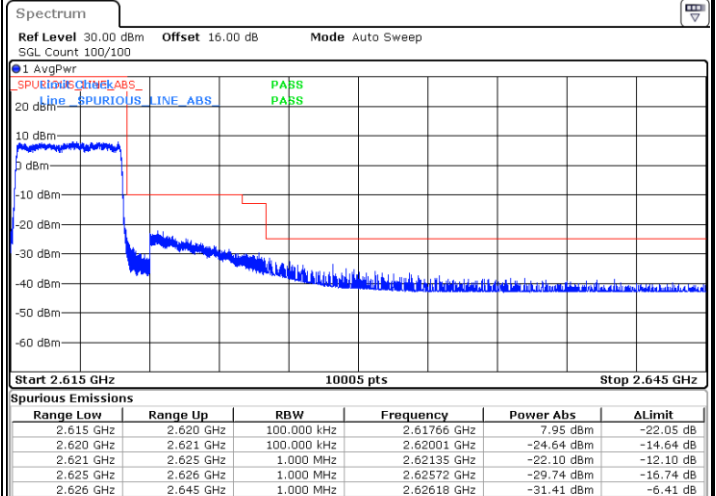
Date: 16.SEP.2022 23:04:14

Lowest Band Edge / Full RB



Date: 16.SEP.2022 23:00:20

Highest Band Edge / Full RB

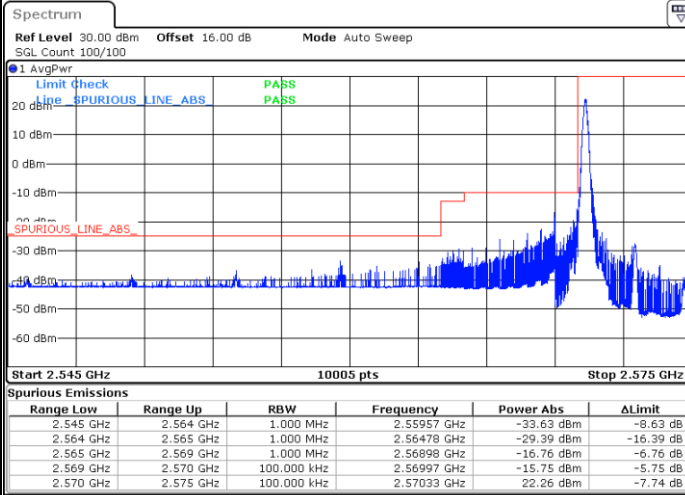


Date: 16.SEP.2022 23:02:17



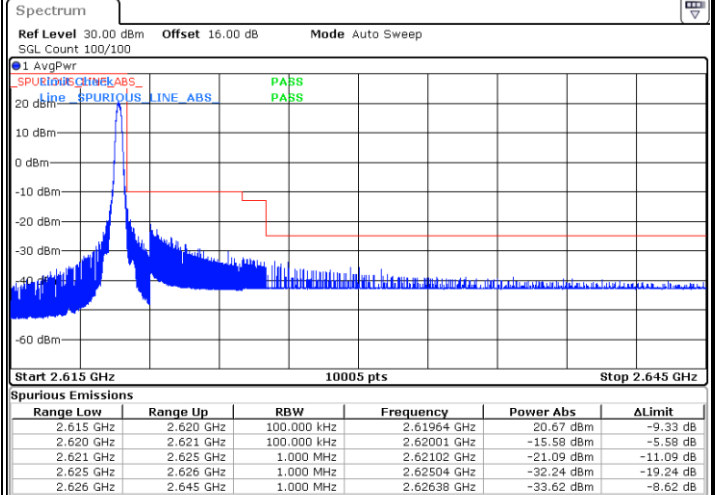
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



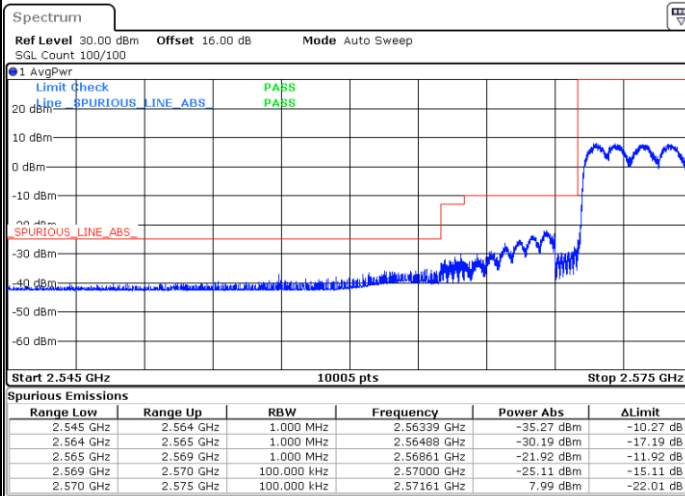
Date: 16.SEP.2022 23:05:12

Highest Band Edge / 1 RB



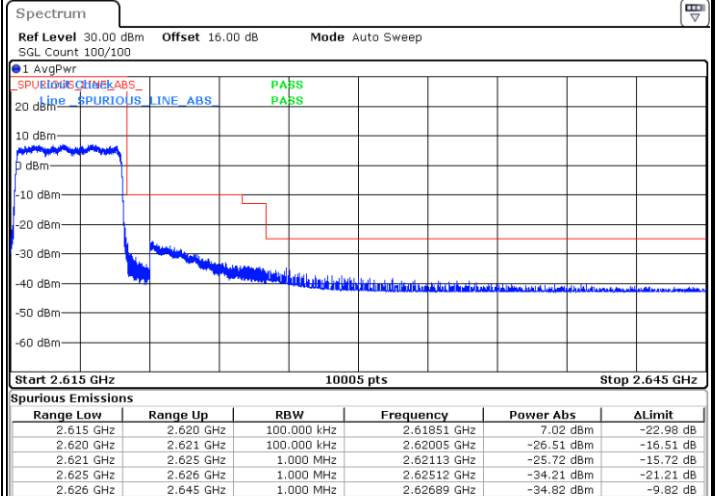
Date: 16.SEP.2022 23:08:08

Lowest Band Edge / Full RB



Date: 16.SEP.2022 23:06:11

Highest Band Edge / Full RB

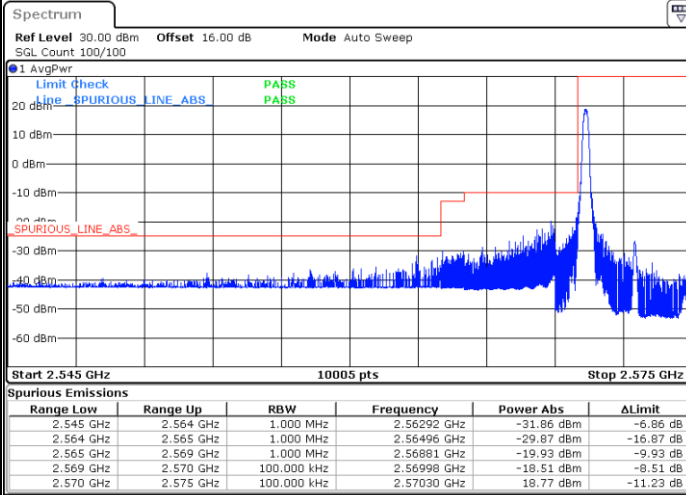


Date: 16.SEP.2022 23:07:09



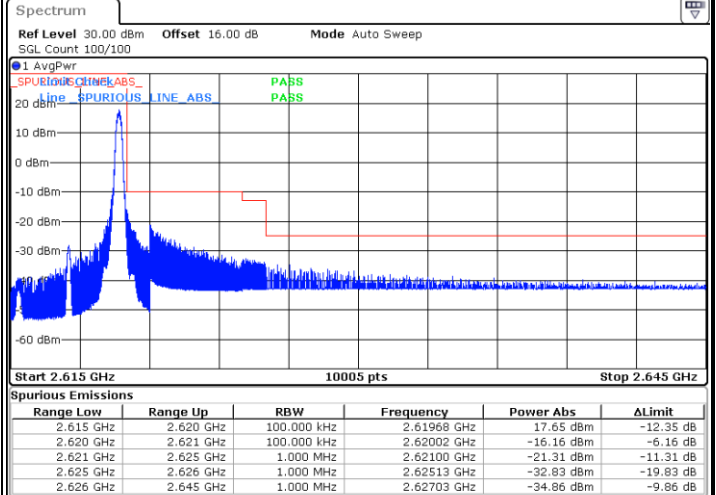
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



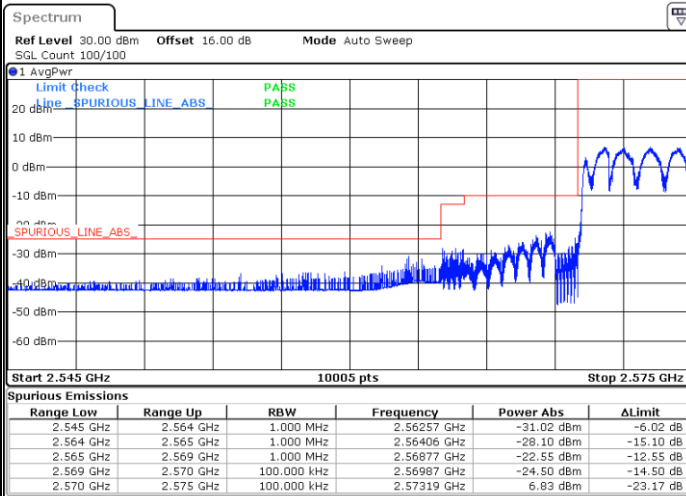
Date: 16.SEP.2022 23:58:44

Highest Band Edge / 1 RB



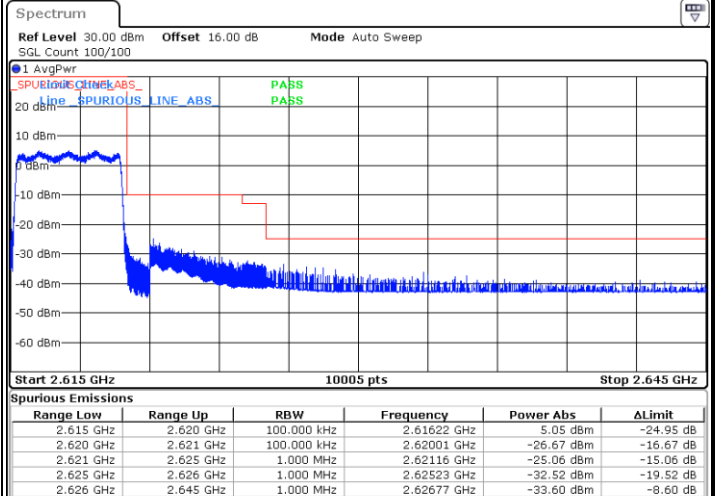
Date: 17.SEP.2022 00:01:48

Lowest Band Edge / Full RB



Date: 16.SEP.2022 23:59:46

Highest Band Edge / Full RB

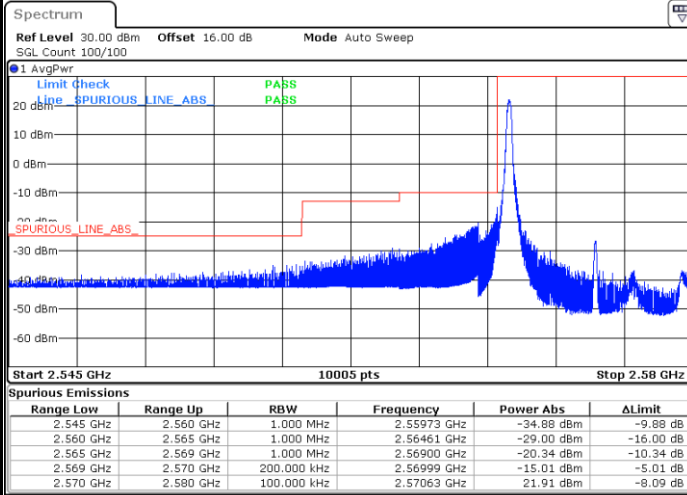


Date: 17.SEP.2022 00:00:47



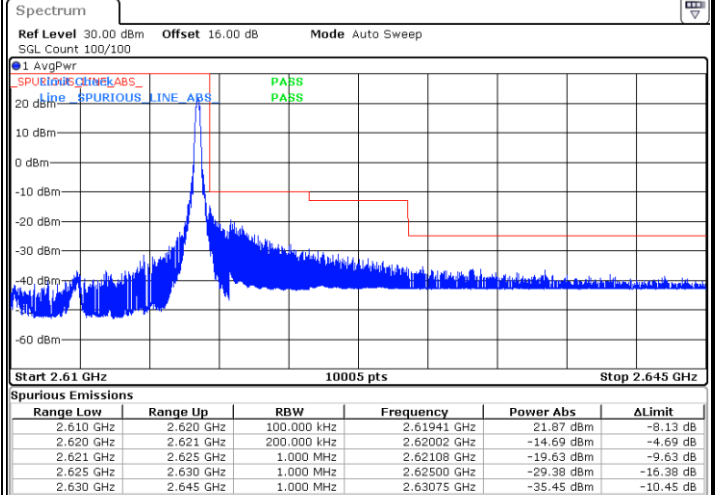
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



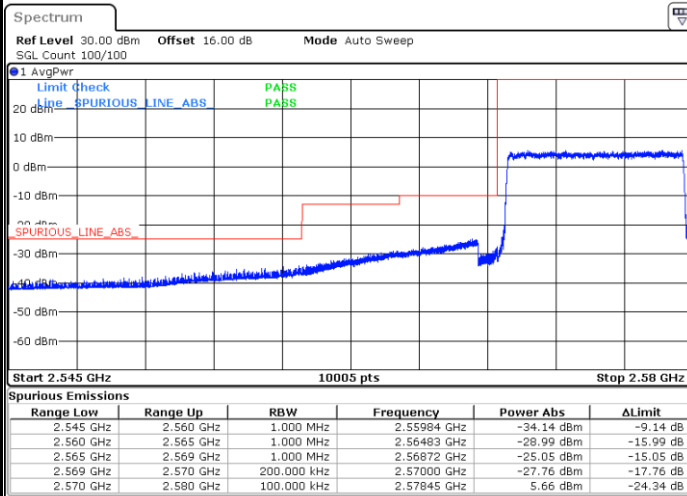
Date: 16.SEP.2022 23:13:07

Highest Band Edge / 1 RB



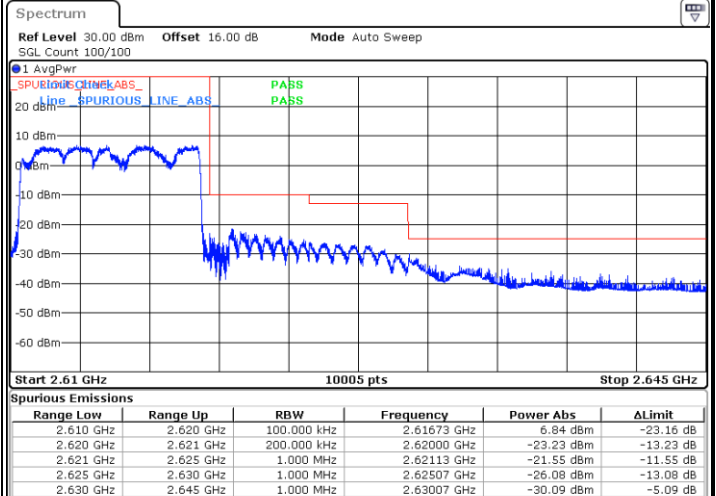
Date: 16.SEP.2022 23:18:58

Lowest Band Edge / Full RB



Date: 16.SEP.2022 23:15:04

Highest Band Edge / Full RB



Date: 16.SEP.2022 23:17:01