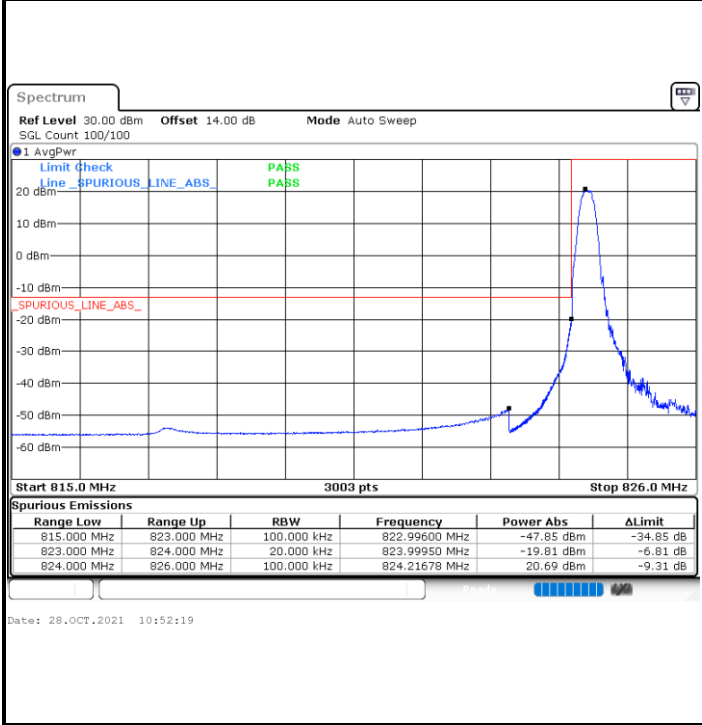


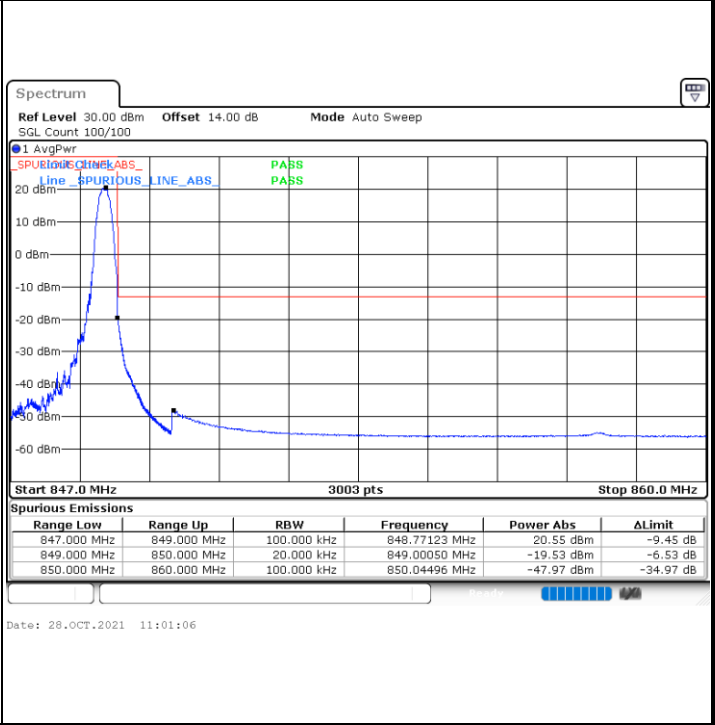


LTE Band 5 / 1.4MHz / 64QAM

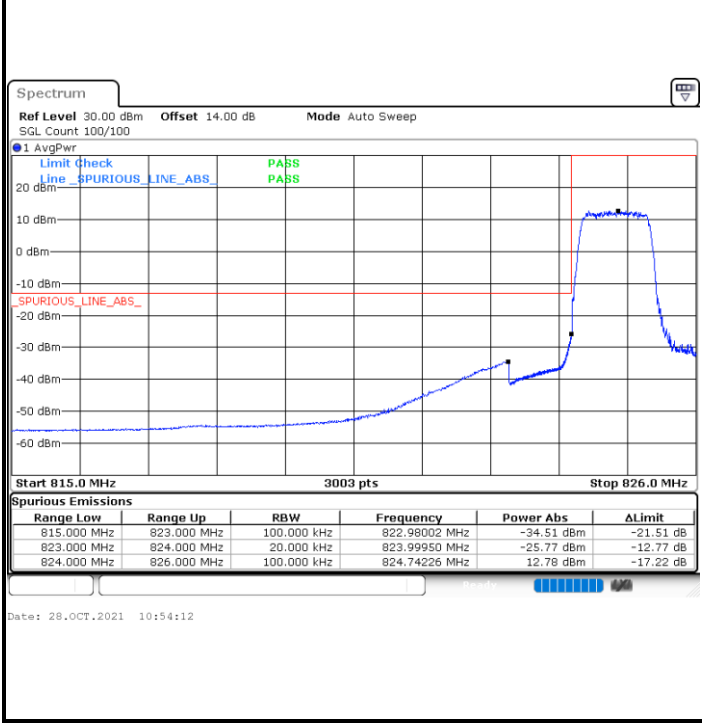
Lowest Band Edge / 1 RB



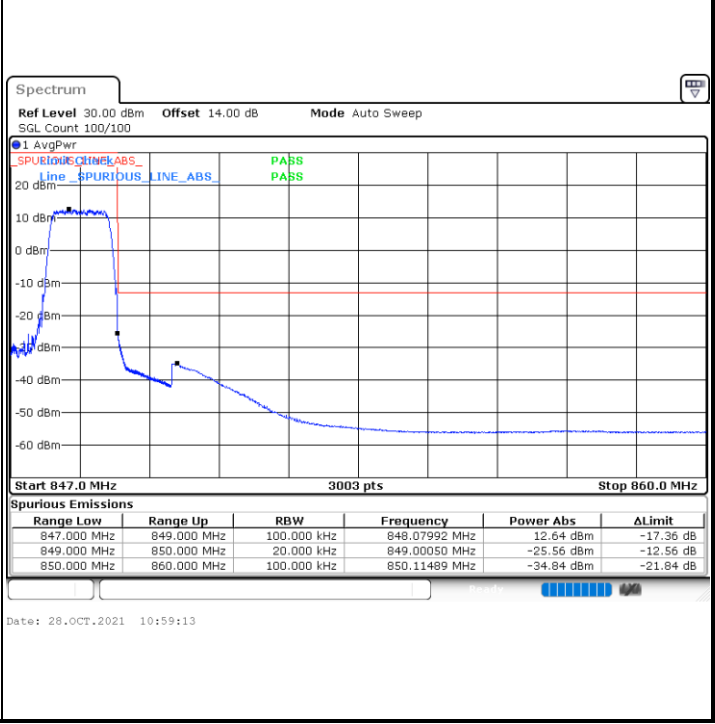
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



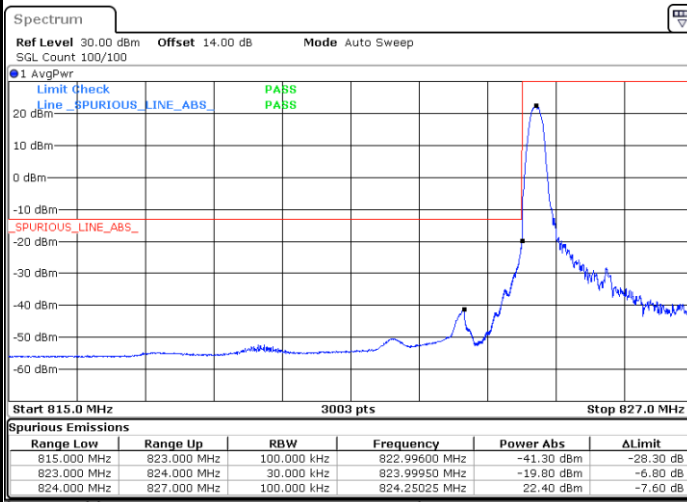
Highest Band Edge / Full RB





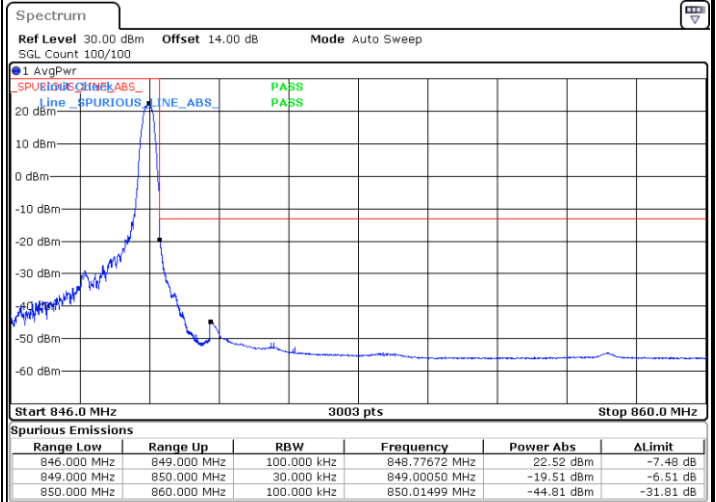
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



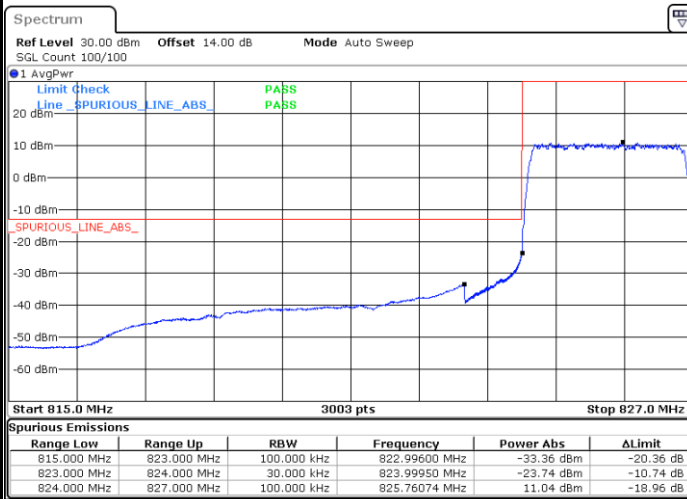
Date: 28.OCT.2021 11:05:41

Highest Band Edge / 1 RB



Date: 28.OCT.2021 11:20:22

Lowest Band Edge / Full RB



Date: 28.OCT.2021 11:09:28

Highest Band Edge / Full RB

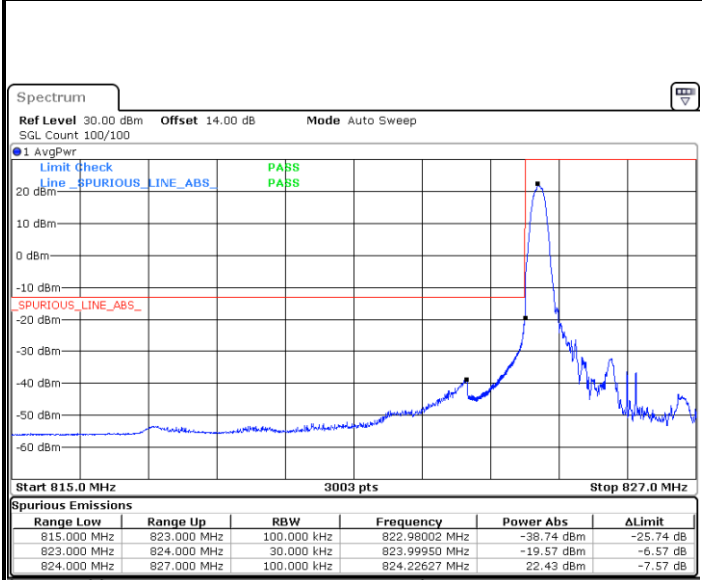


Date: 28.OCT.2021 11:24:09



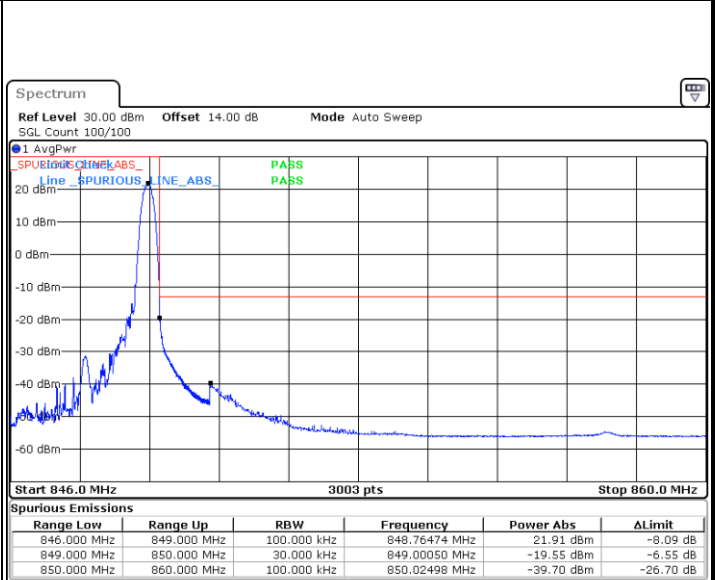
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



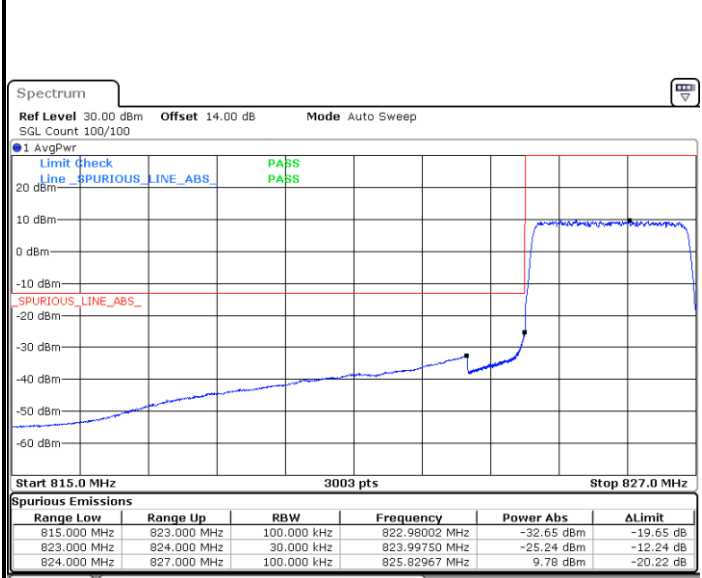
Date: 28.OCT.2021 11:07:34

Highest Band Edge / 1 RB



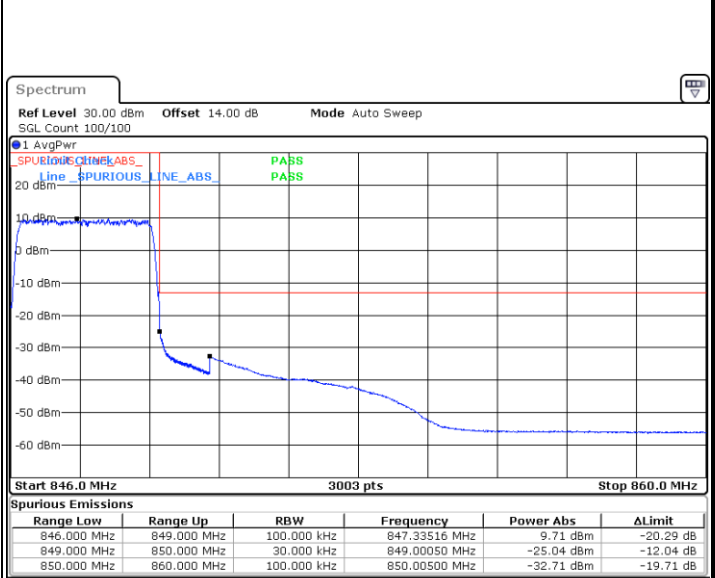
Date: 28.OCT.2021 11:22:15

Lowest Band Edge / Full RB



Date: 28.OCT.2021 11:11:21

Highest Band Edge / Full RB

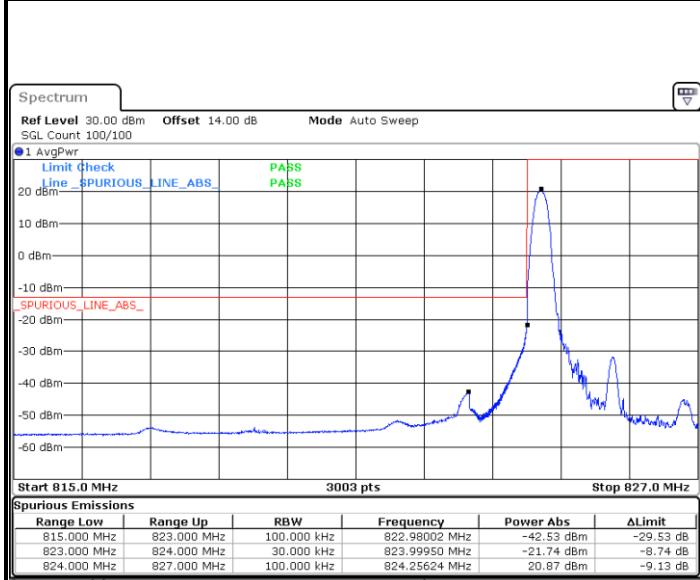


Date: 28.OCT.2021 11:26:02



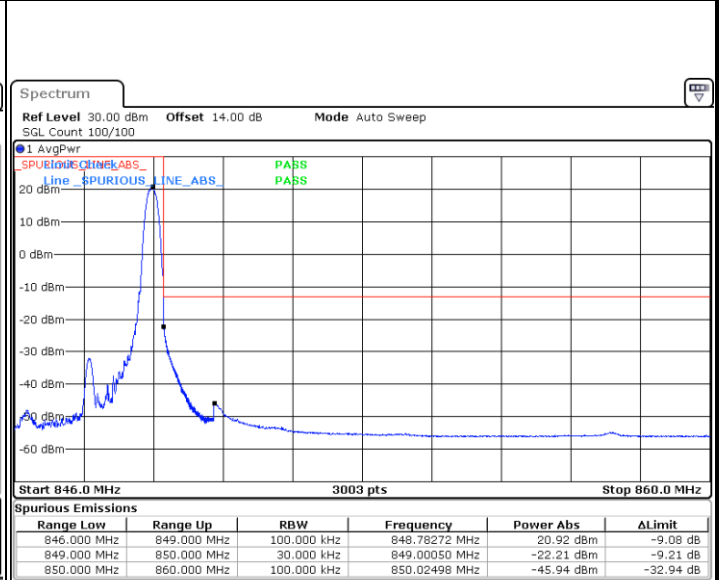
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



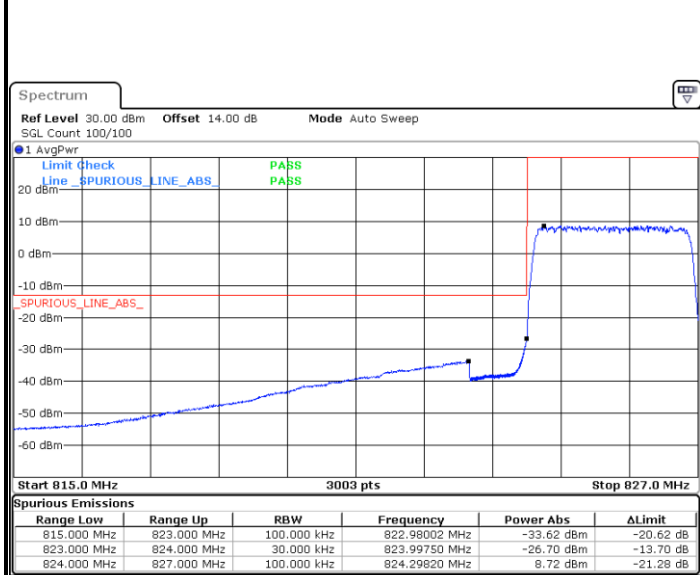
Date: 28.OCT.2021 11:31:04

Highest Band Edge / 1 RB



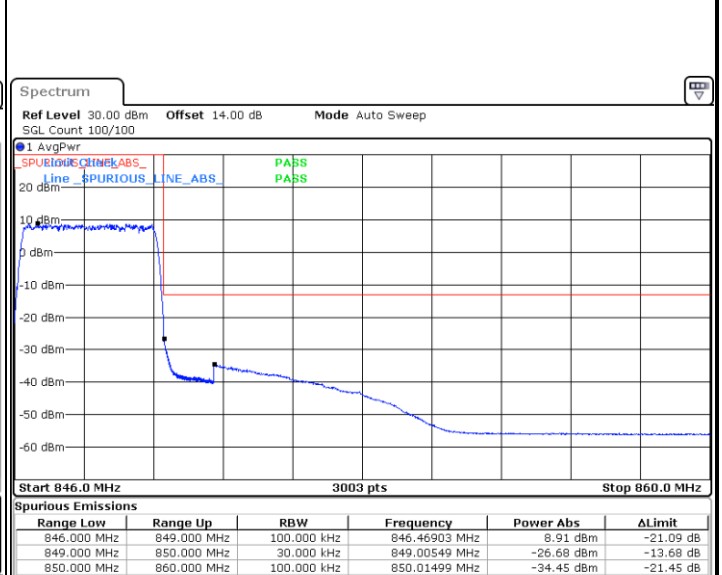
Date: 28.OCT.2021 11:38:07

Lowest Band Edge / Full RB



Date: 28.OCT.2021 11:32:58

Highest Band Edge / Full RB

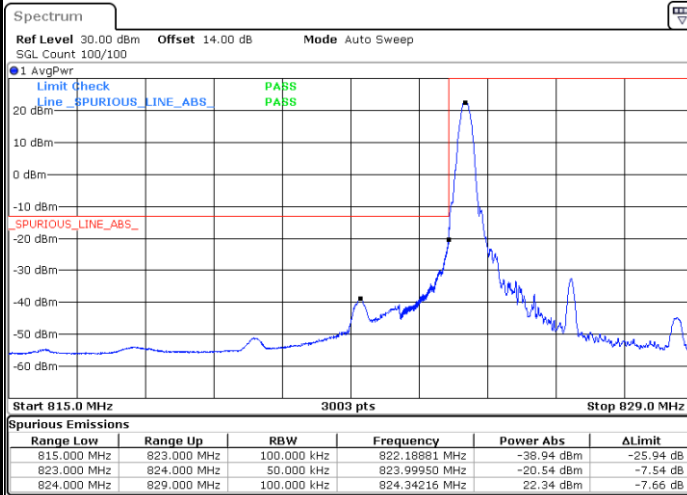


Date: 28.OCT.2021 11:40:00



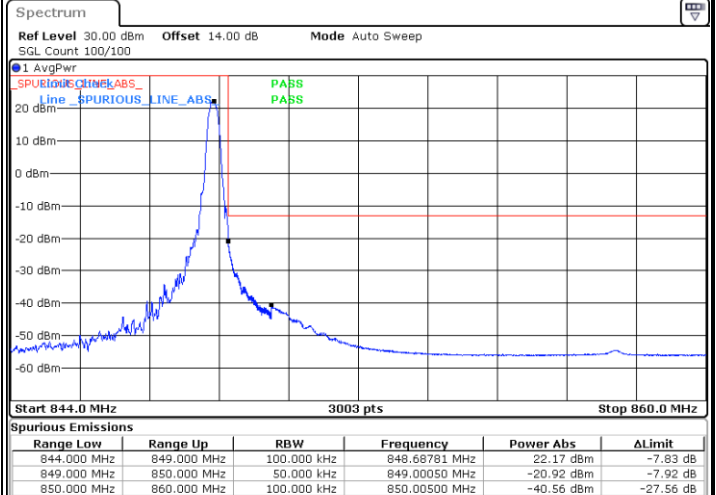
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



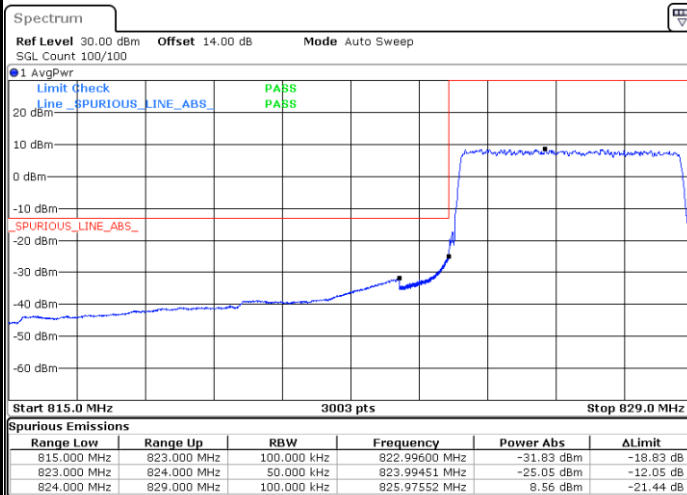
Date: 28.OCT.2021 11:44:35

Highest Band Edge / 1 RB



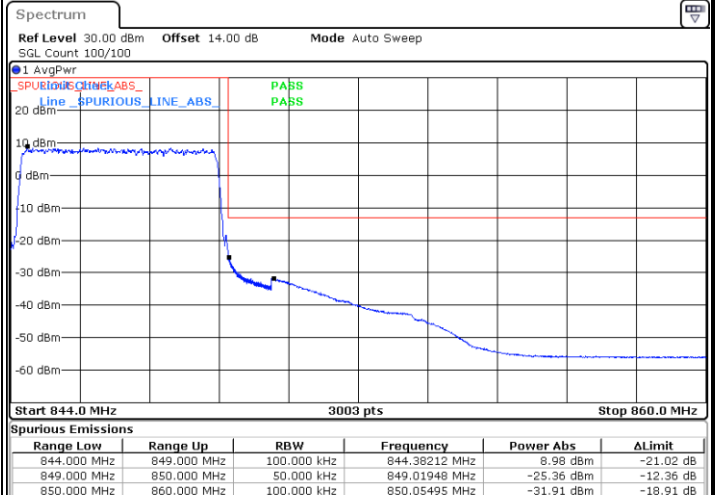
Date: 28.OCT.2021 11:59:17

Lowest Band Edge / Full RB



Date: 28.OCT.2021 11:48:22

Highest Band Edge / Full RB

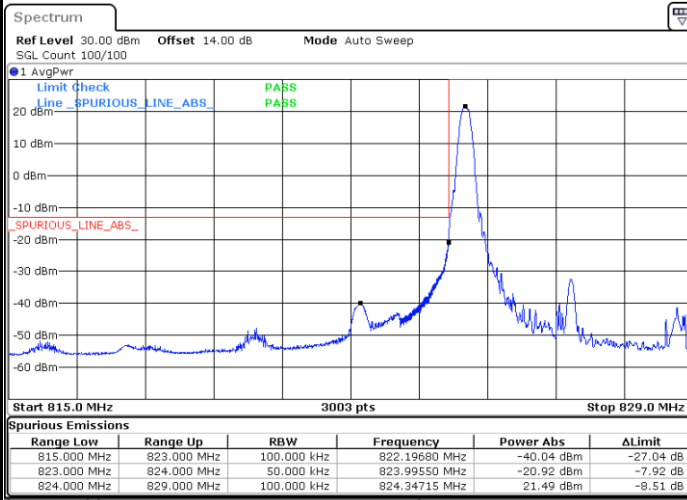


Date: 28.OCT.2021 12:03:04



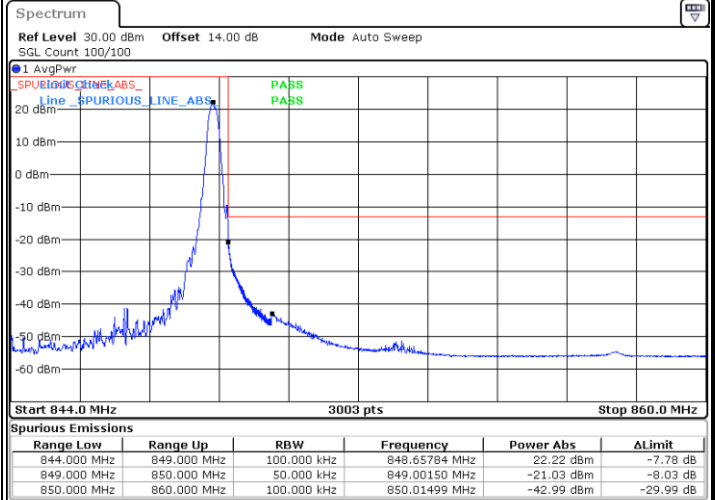
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



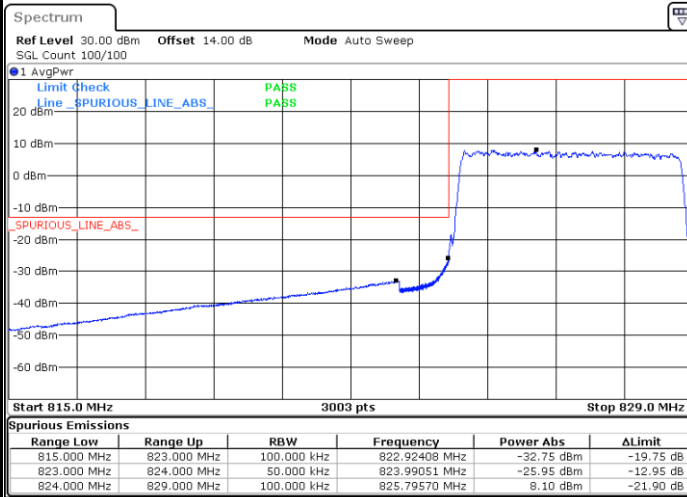
Date: 28.OCT.2021 11:46:28

Highest Band Edge / 1 RB



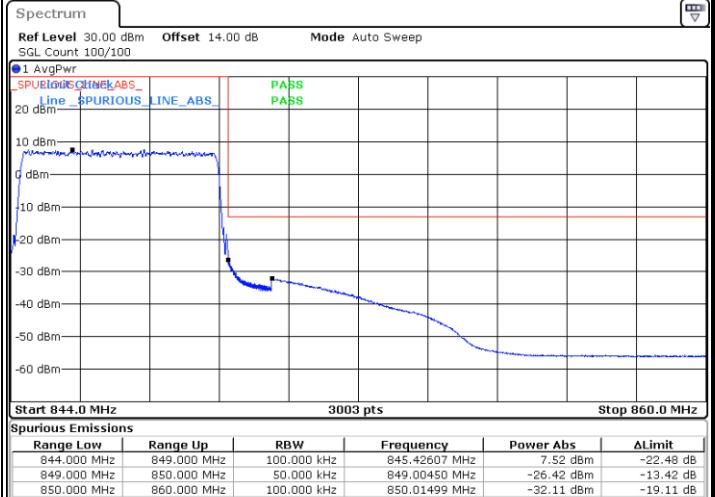
Date: 28.OCT.2021 12:01:10

Lowest Band Edge / Full RB



Date: 28.OCT.2021 11:50:15

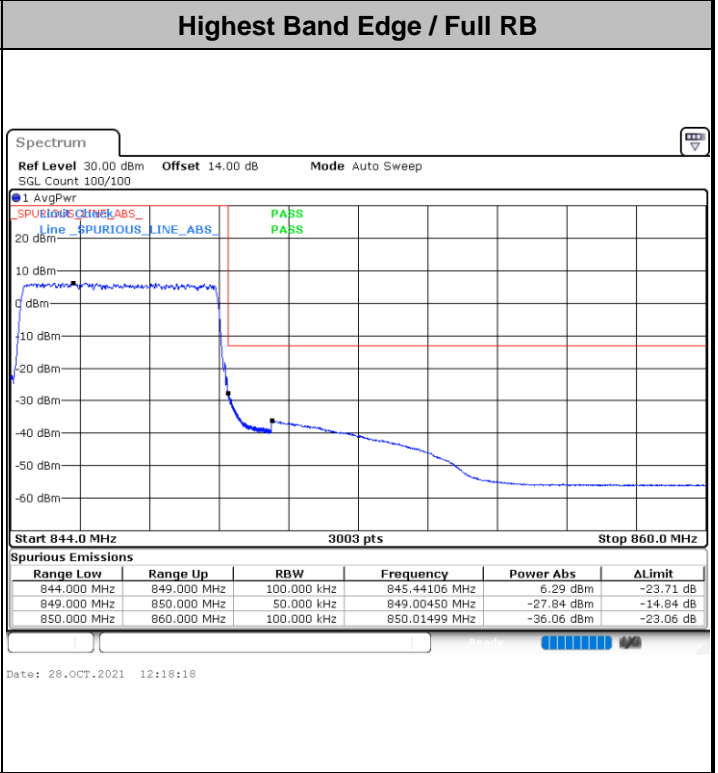
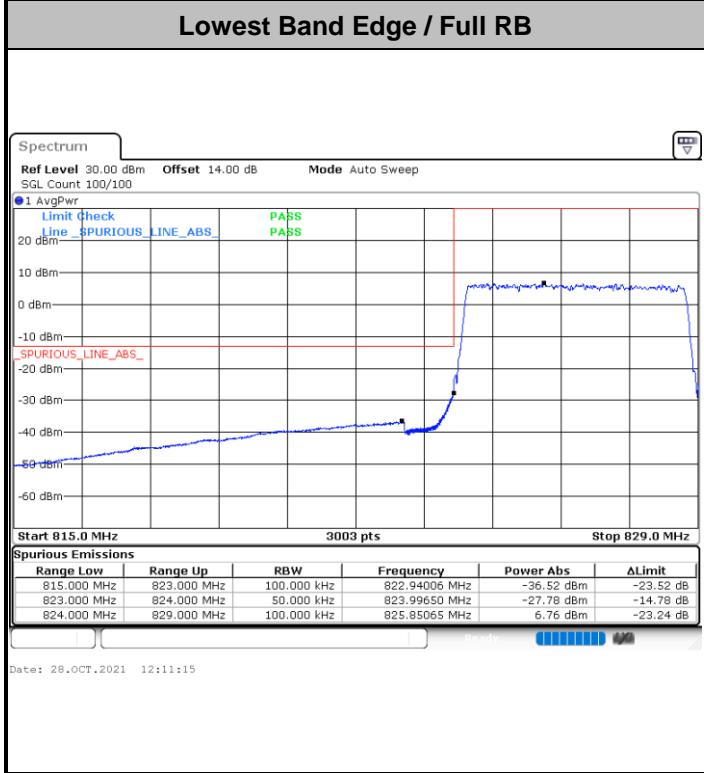
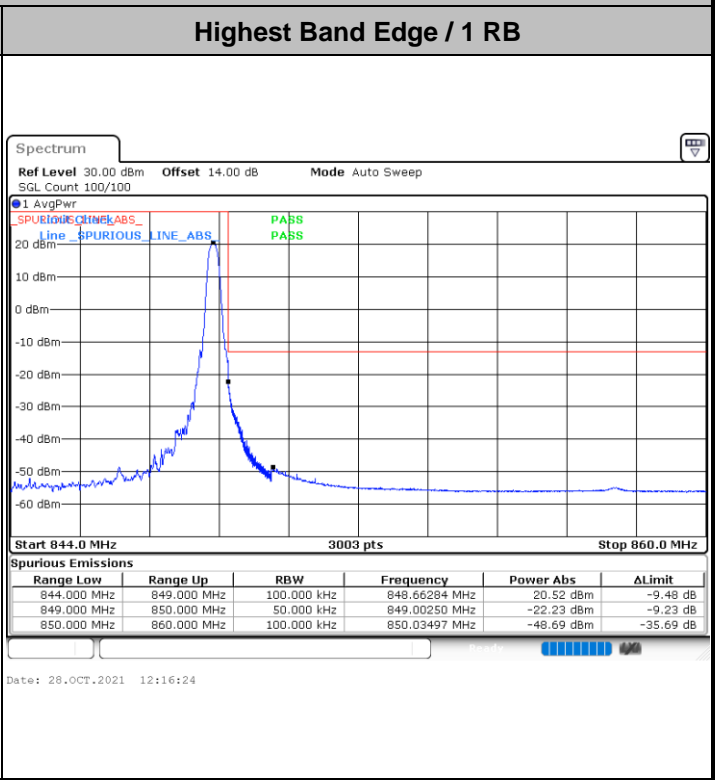
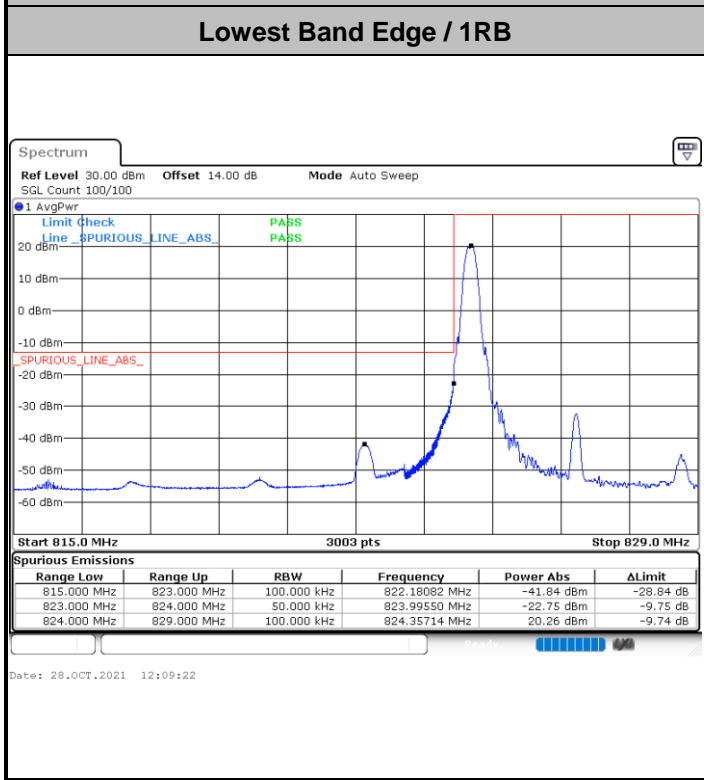
Highest Band Edge / Full RB



Date: 28.OCT.2021 12:04:57



LTE Band 5 / 5MHz / 64QAM

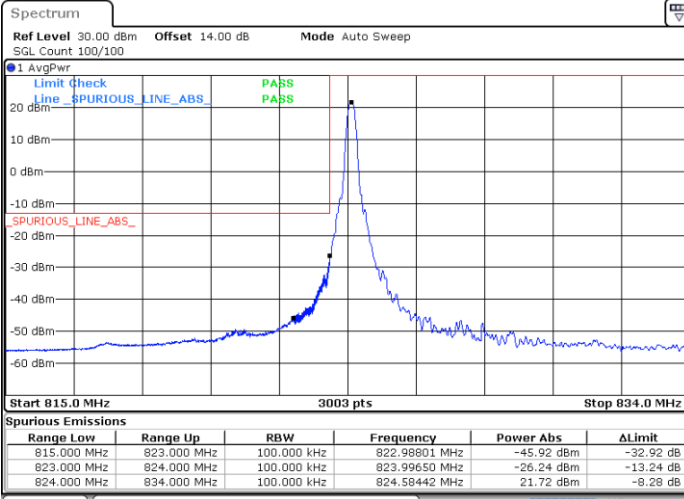




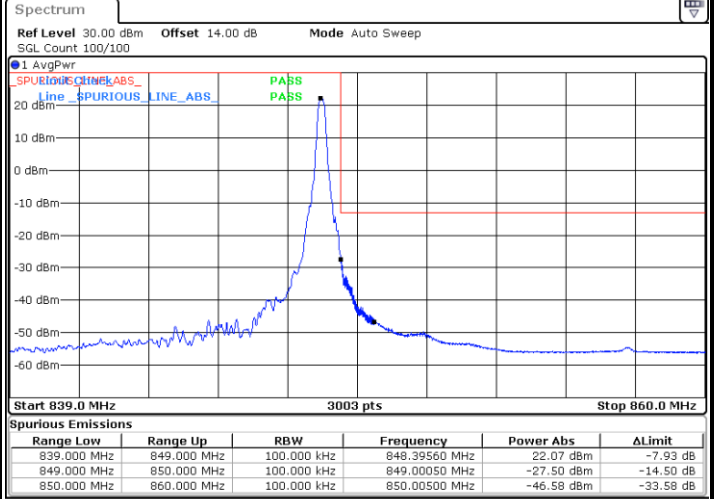
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



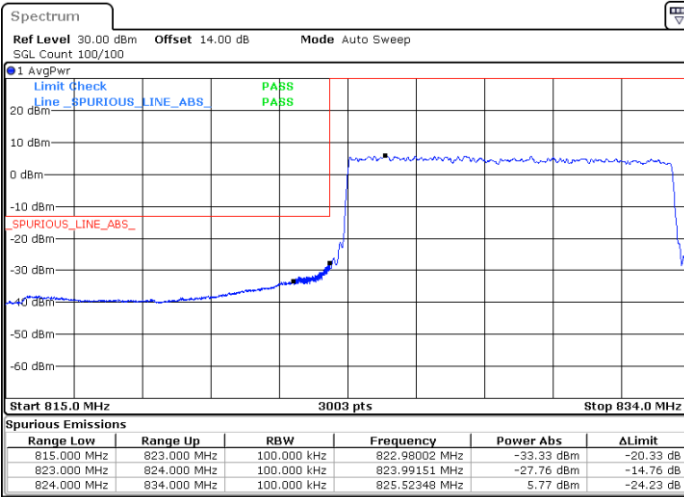
Date: 28.OCT.2021 12:22:00



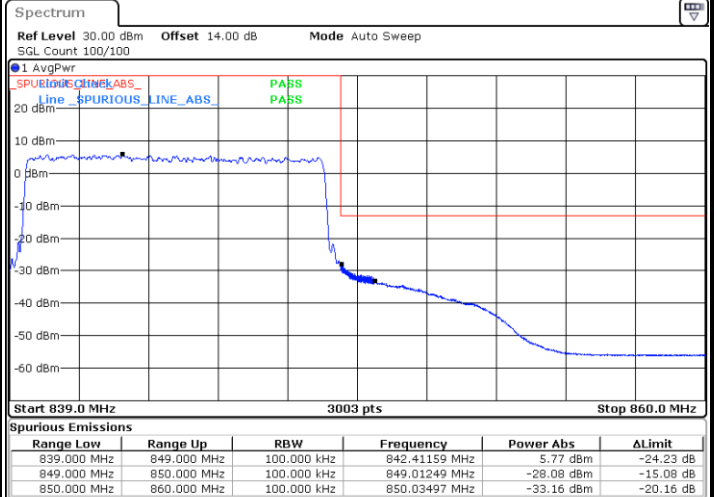
Date: 28.OCT.2021 12:36:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.OCT.2021 12:25:46

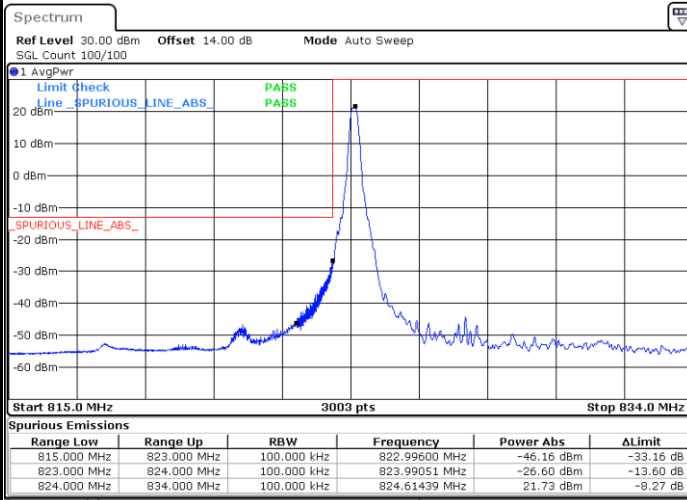


Date: 28.OCT.2021 12:40:28



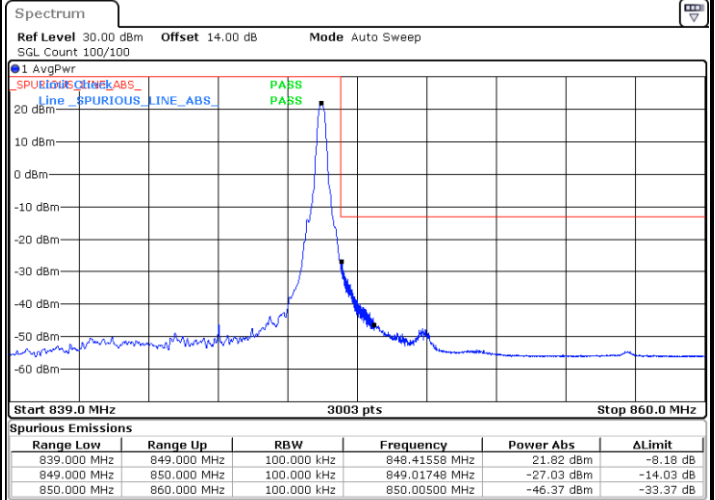
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



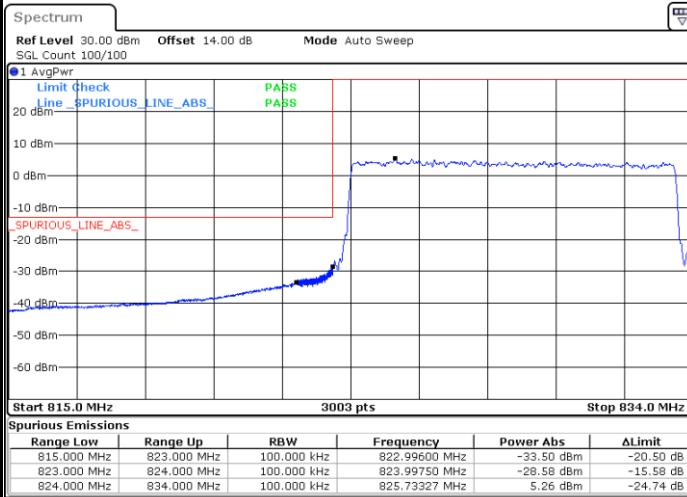
Date: 28.OCT.2021 12:23:53

Highest Band Edge / 1 RB



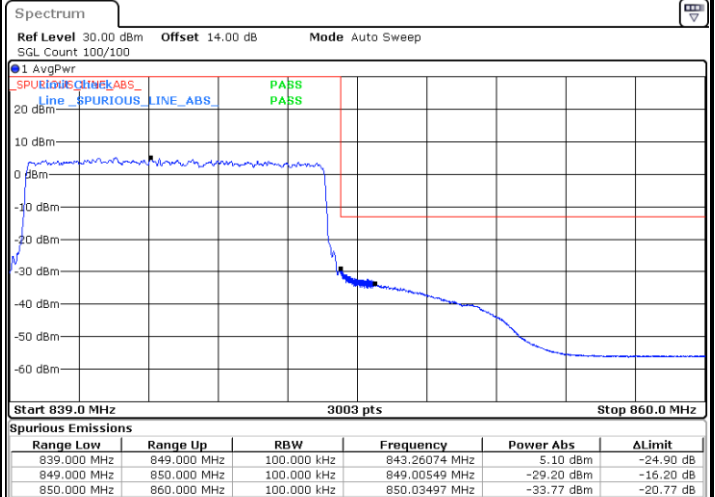
Date: 28.OCT.2021 12:38:35

Lowest Band Edge / Full RB



Date: 28.OCT.2021 12:27:39

Highest Band Edge / Full RB

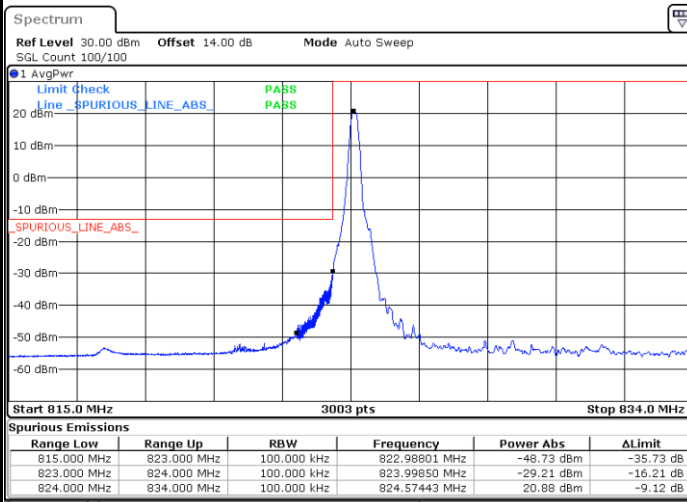


Date: 28.OCT.2021 12:42:21



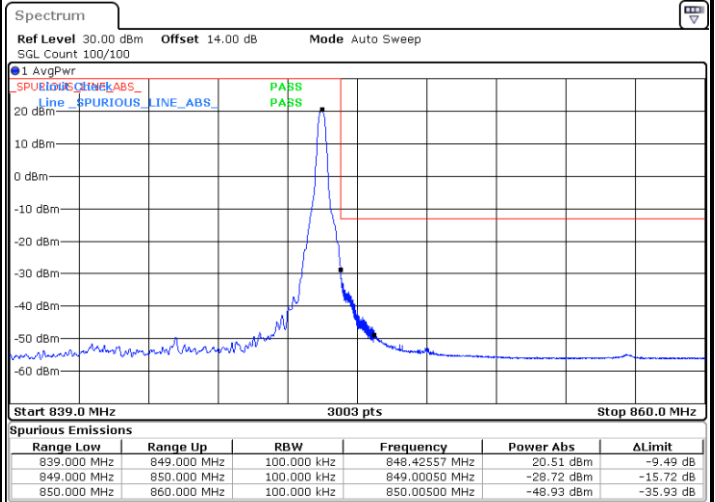
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



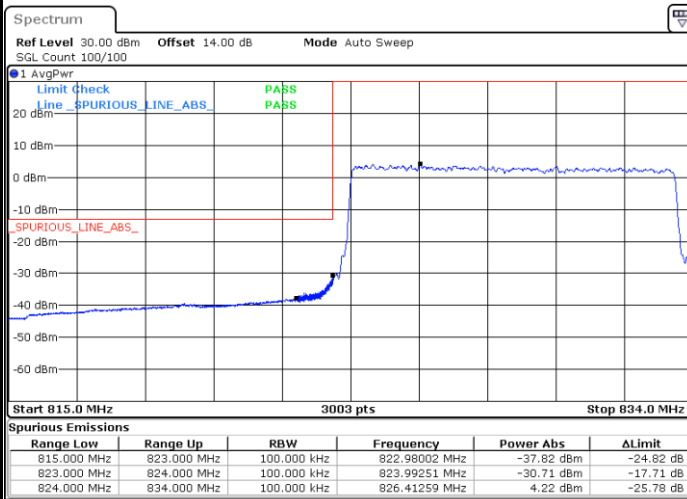
Date: 28.OCT.2021 12:47:41

Highest Band Edge / 1 RB



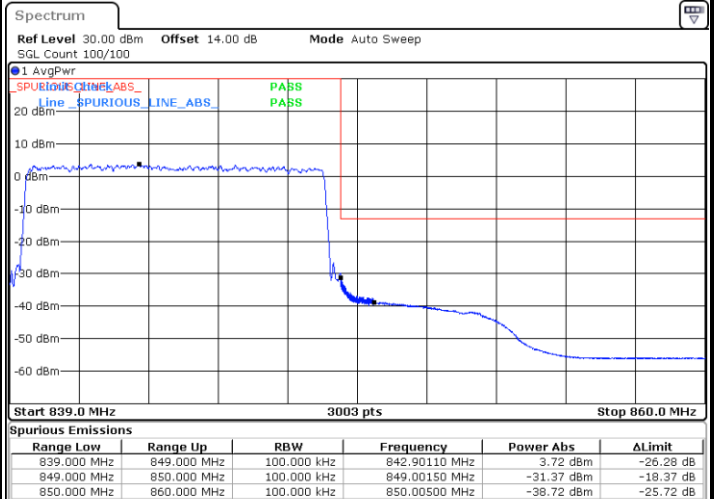
Date: 28.OCT.2021 12:54:45

Lowest Band Edge / Full RB



Date: 28.OCT.2021 12:49:35

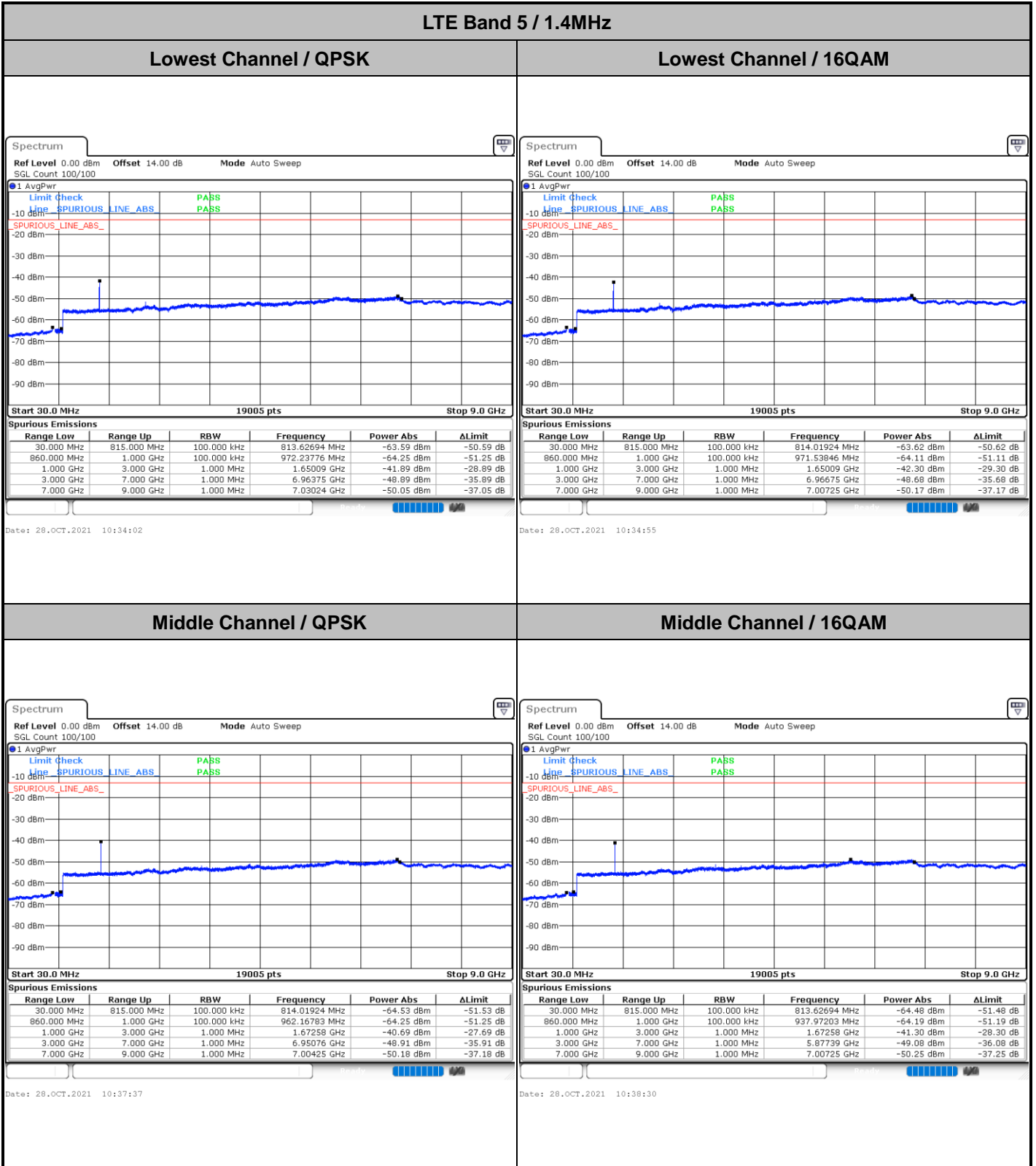
Highest Band Edge / Full RB



Date: 28.OCT.2021 12:56:38



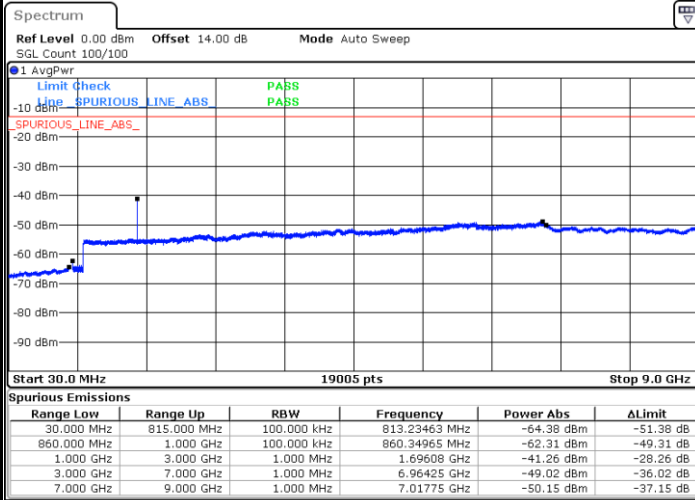
Conducted Spurious Emission





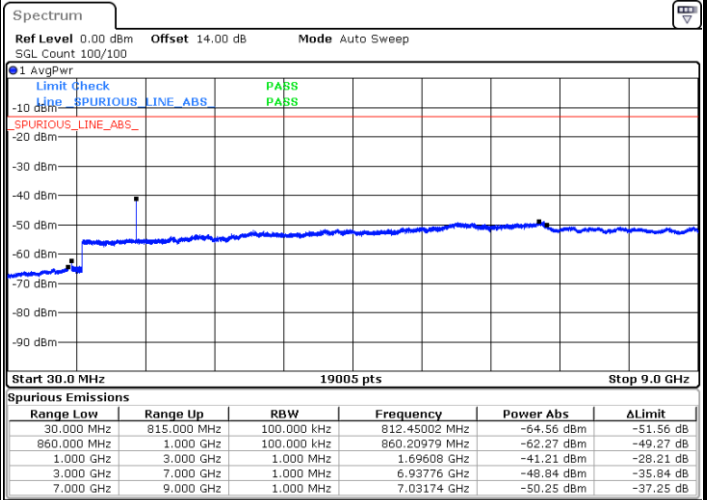
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 28.OCT.2021 10:48:47

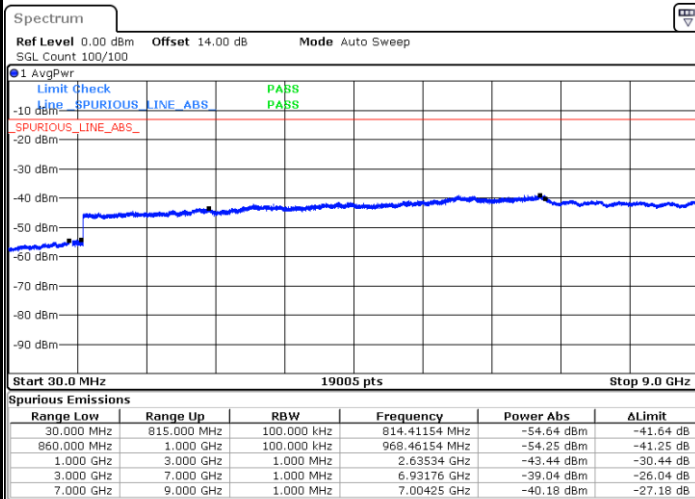
Highest Channel / 16QAM



Date: 28.OCT.2021 10:49:41

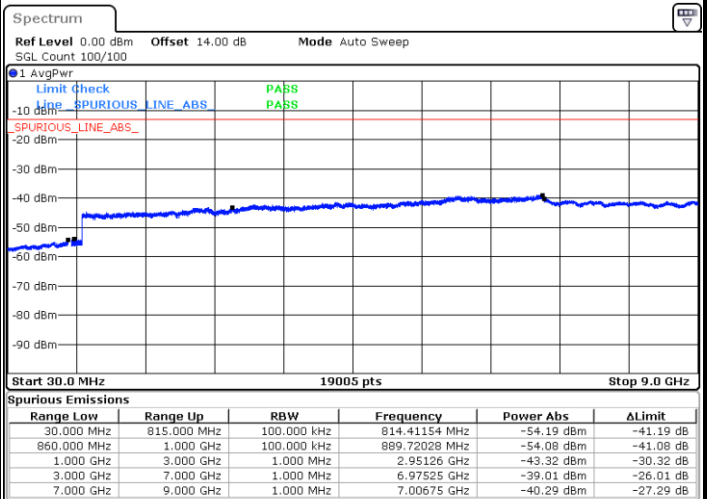
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 28.OCT.2021 11:12:14

Lowest Channel / 16QAM



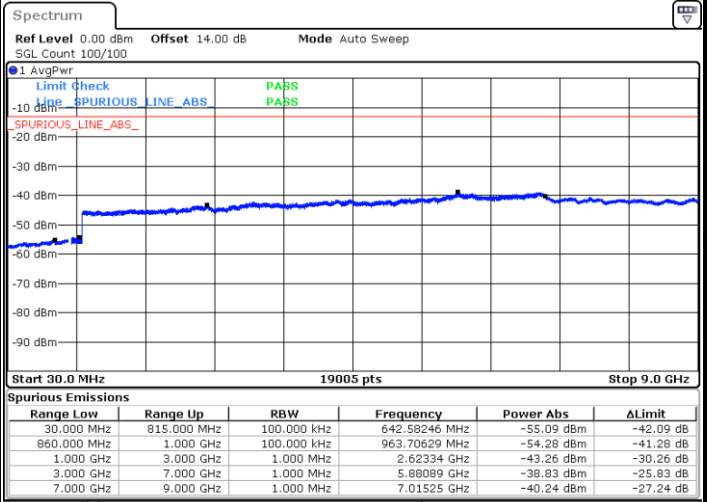
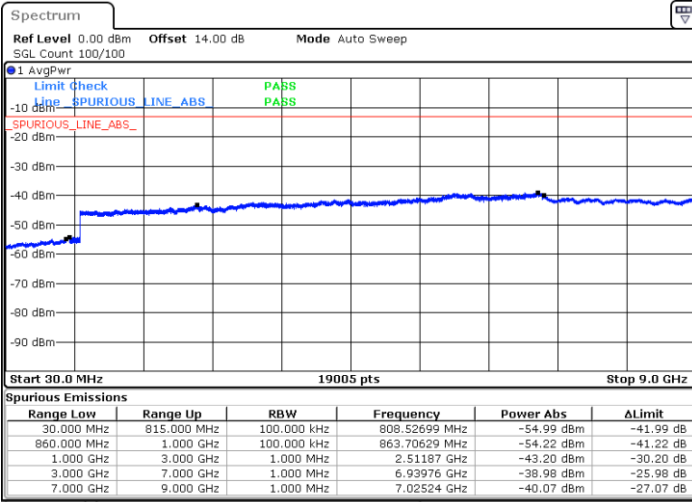
Date: 28.OCT.2021 11:13:08



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

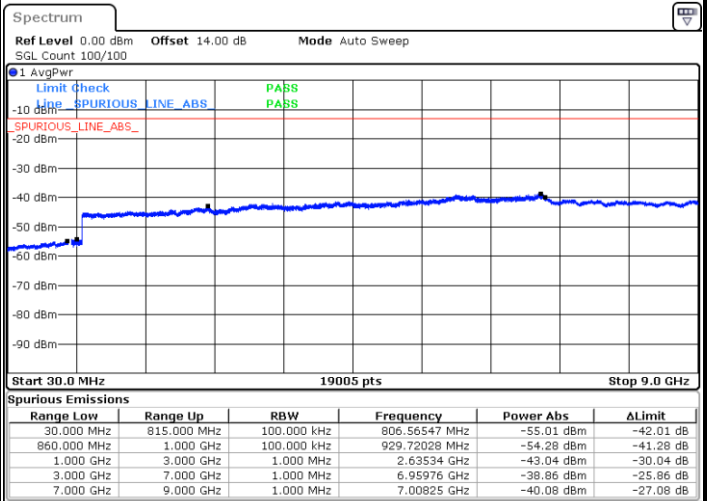
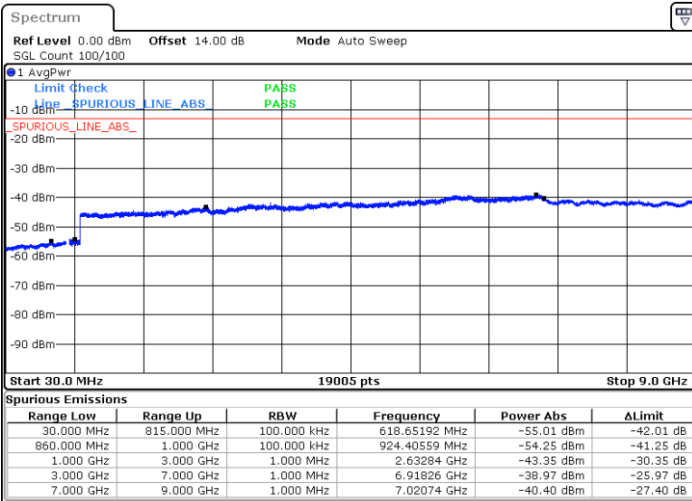


Date: 28.OCT.2021 11:15:48

Date: 28.OCT.2021 11:16:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.OCT.2021 11:27:33

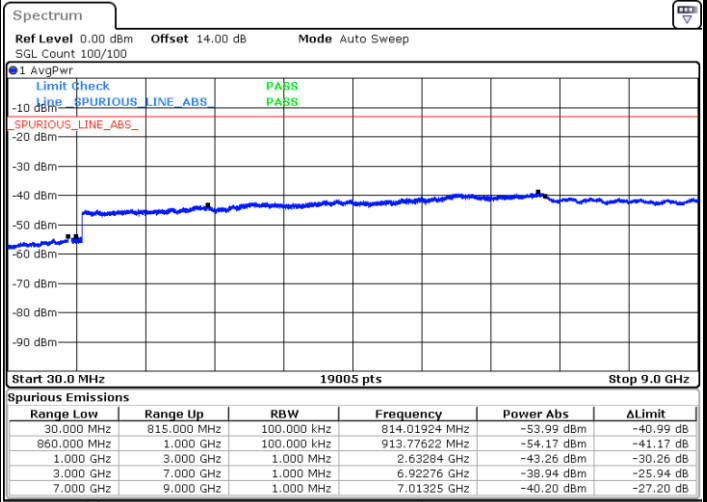
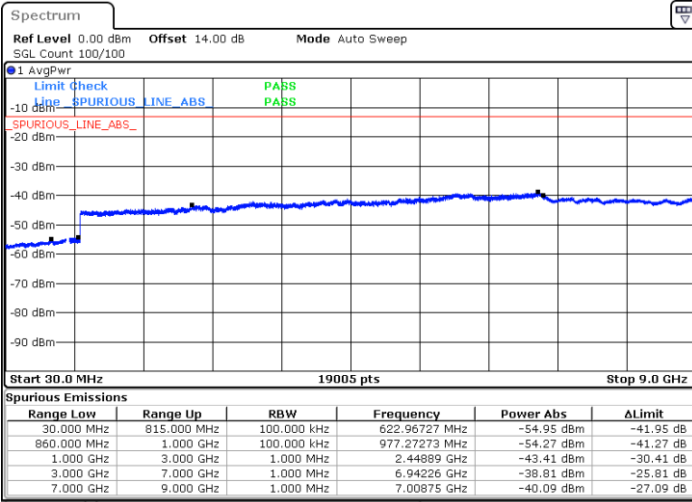
Date: 28.OCT.2021 11:28:27



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

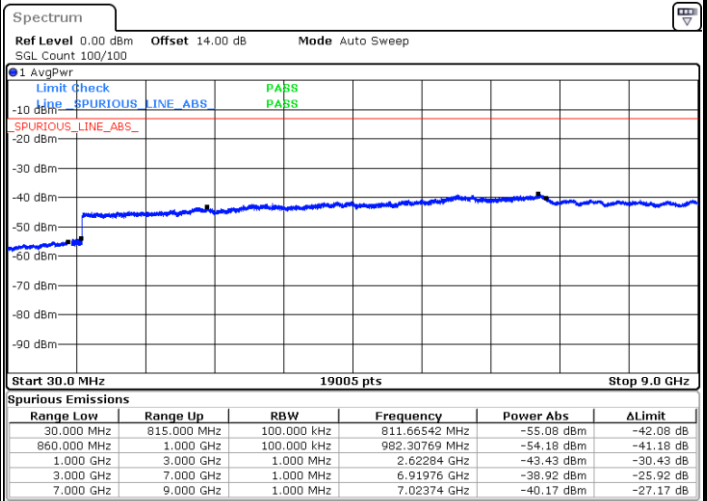
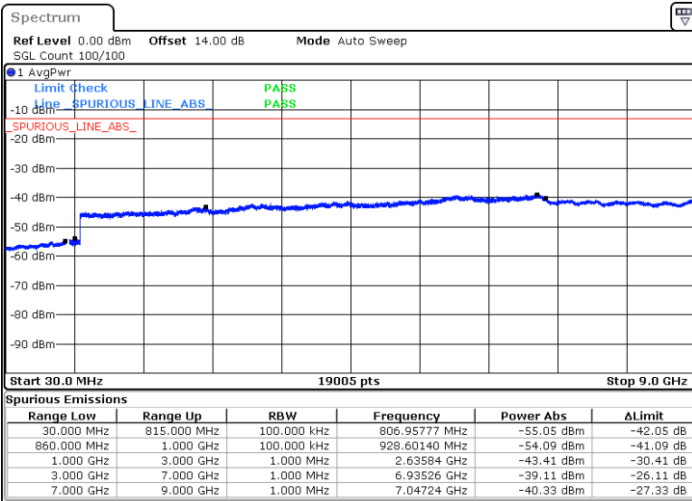


Date: 28.OCT.2021 11:51:08

Date: 28.OCT.2021 11:52:01

Middle Channel / QPSK

Middle Channel / 16QAM



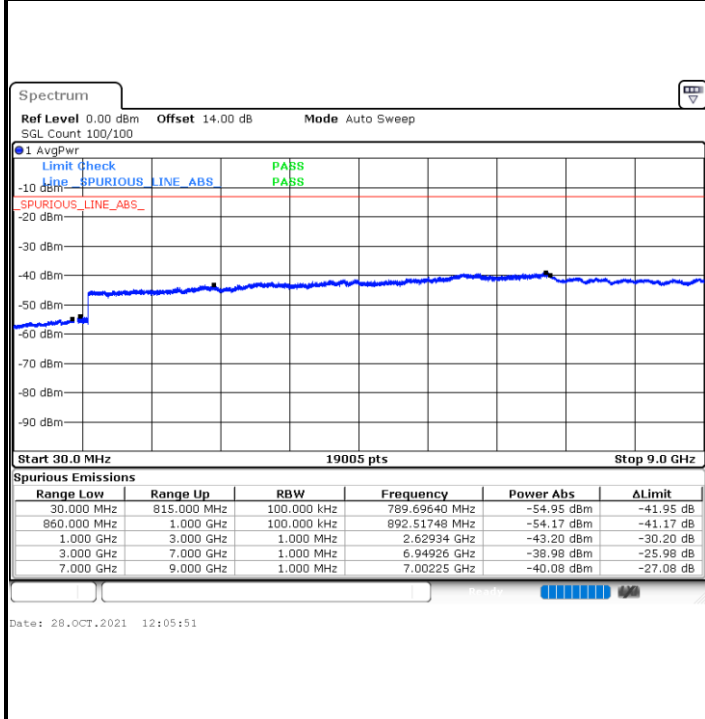
Date: 28.OCT.2021 11:54:42

Date: 28.OCT.2021 11:55:35

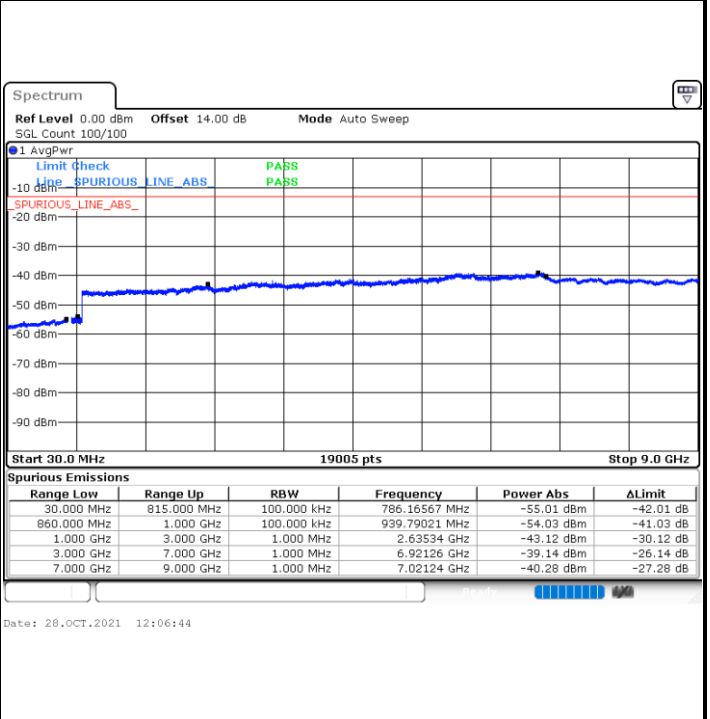


LTE Band 5 / 5MHz

Highest Channel / QPSK

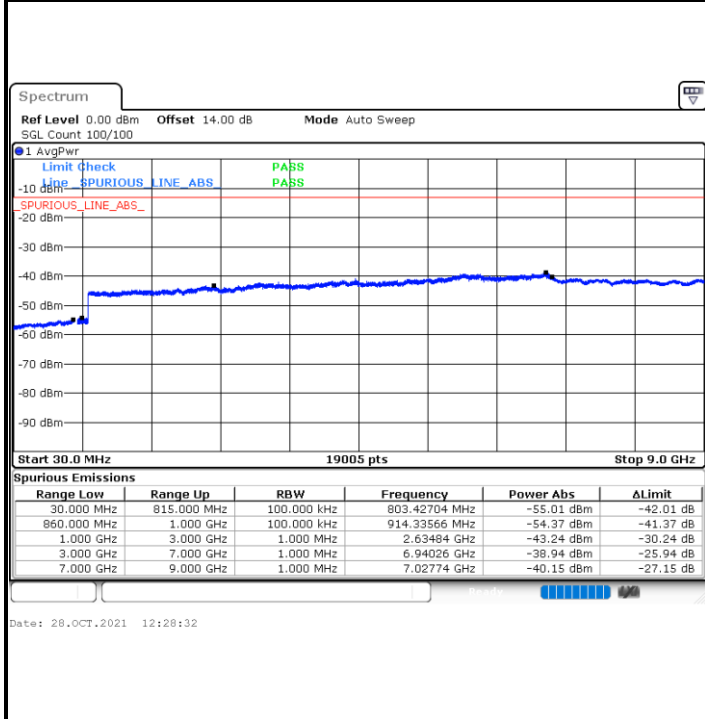


Highest Channel / 16QAM

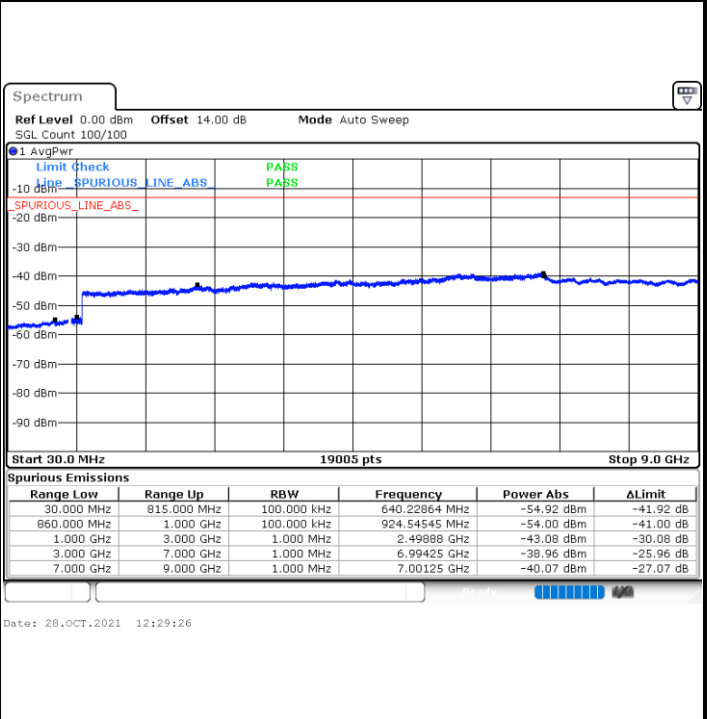


LTE Band 5 / 10MHz

Lowest Channel / QPSK



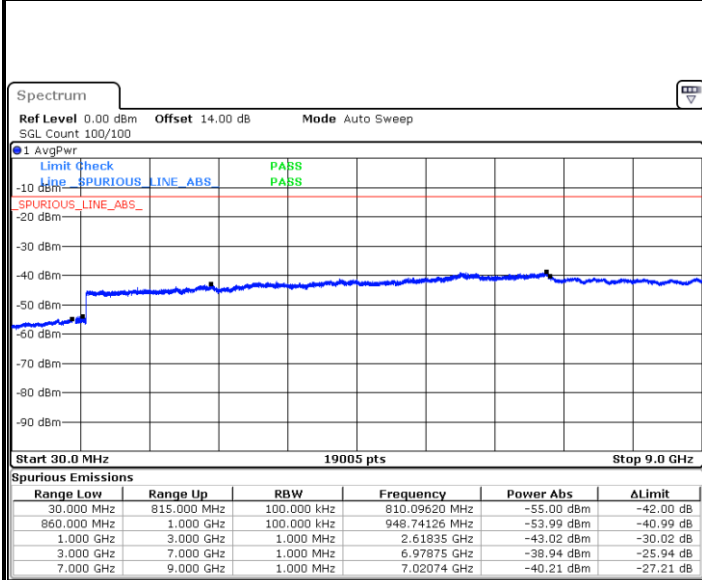
Lowest Channel / 16QAM





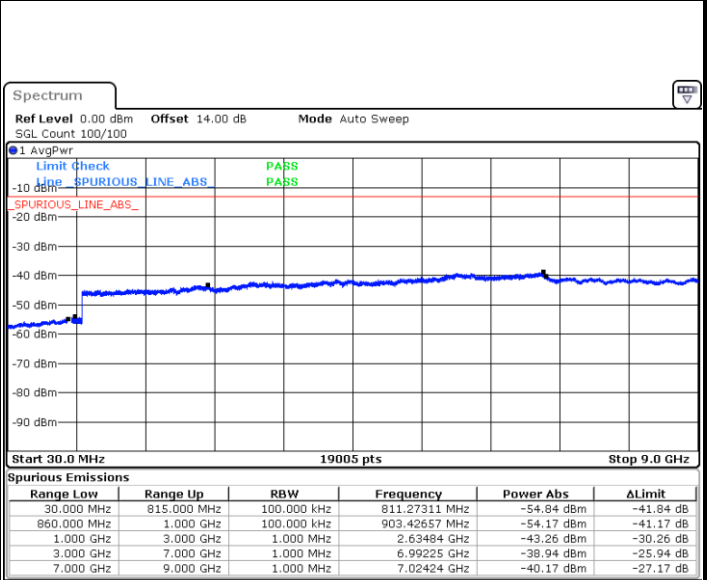
LTE Band 5 / 10MHz

Middle Channel / QPSK



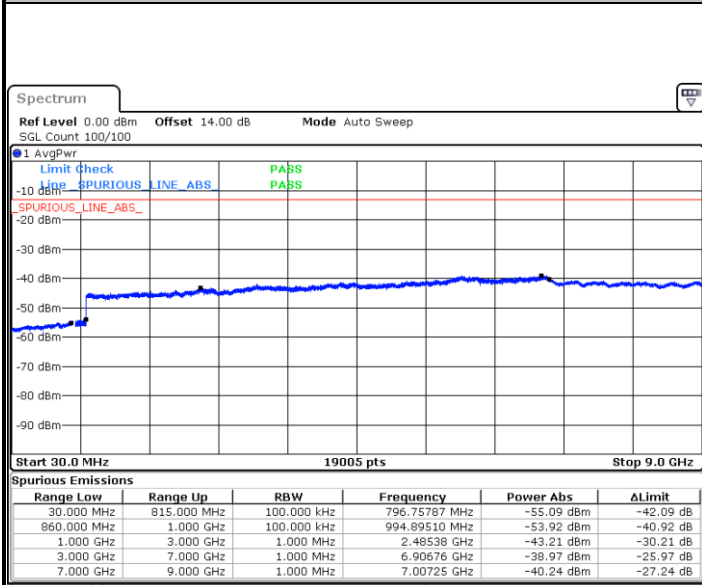
Date: 28.OCT.2021 12:32:06

Middle Channel / 16QAM



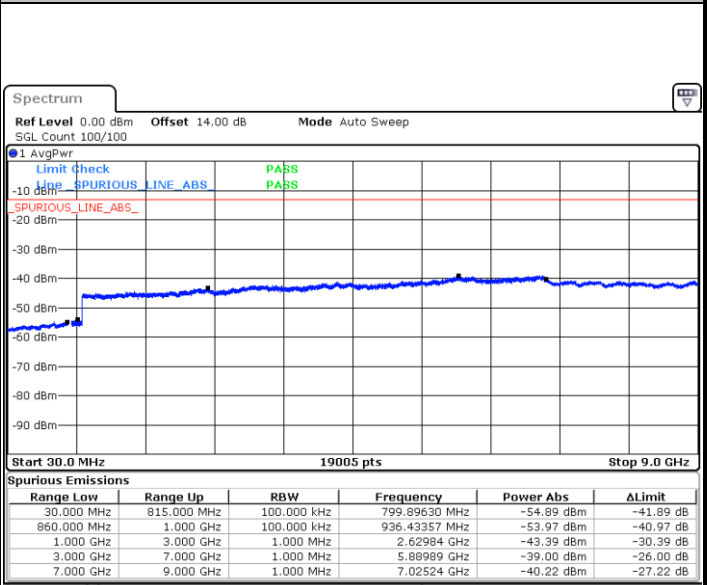
Date: 28.OCT.2021 12:32:59

Highest Channel / QPSK

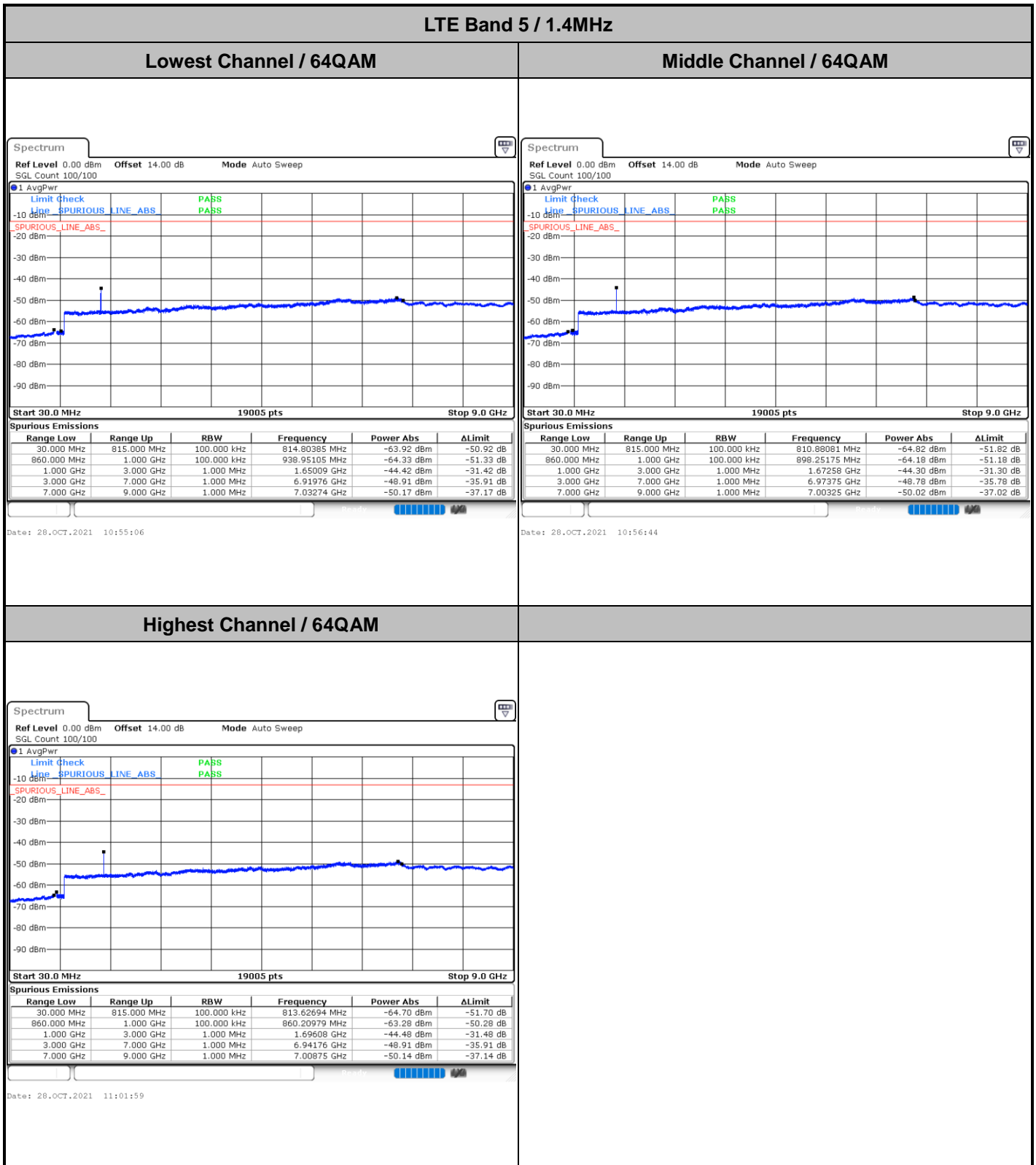


Date: 28.OCT.2021 12:43:15

Highest Channel / 16QAM



Date: 28.OCT.2021 12:44:08

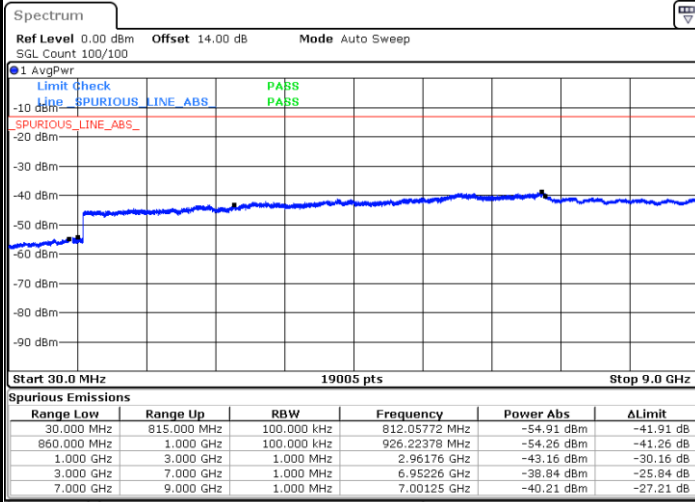




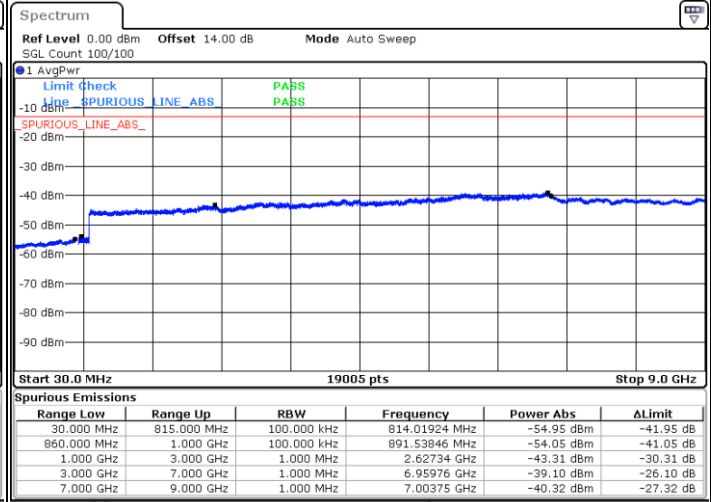
LTE Band 5 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

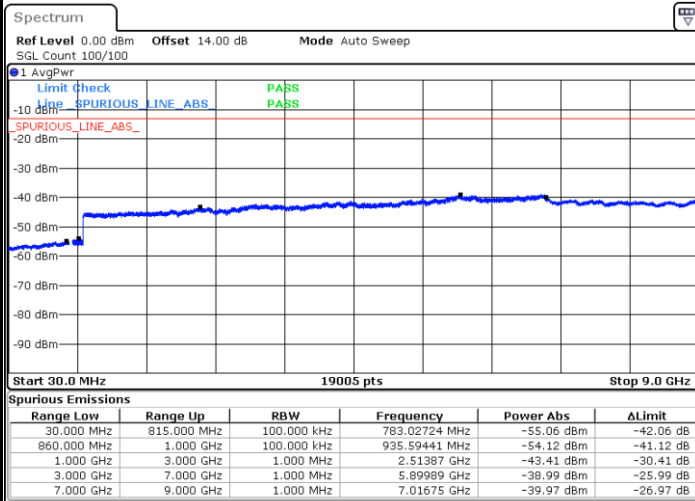


Date: 28.OCT.2021 11:33:51



Date: 28.OCT.2021 11:35:29

Highest Channel / 64QAM



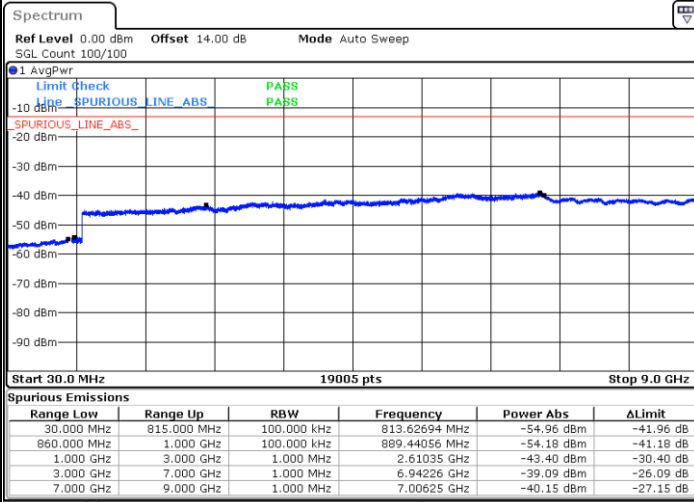
Date: 28.OCT.2021 11:40:53



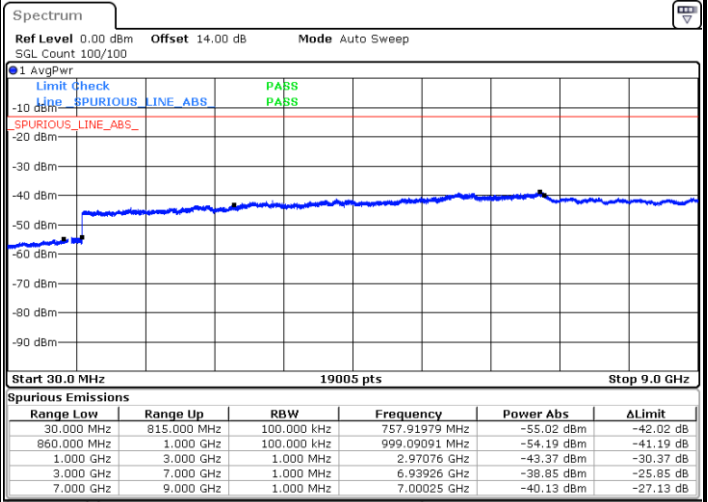
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

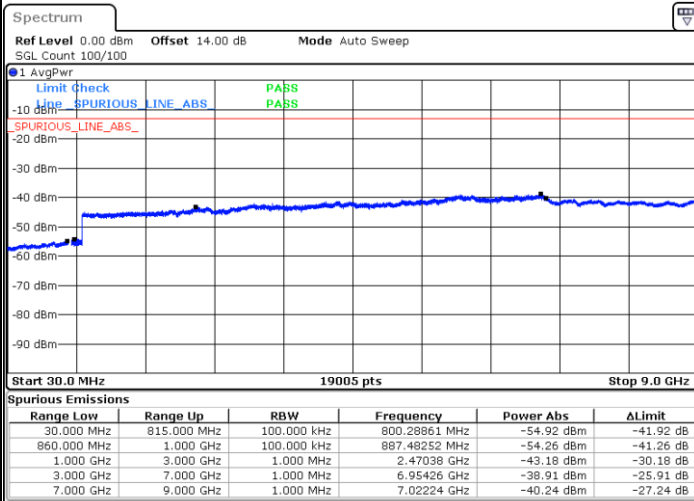


Date: 28.OCT.2021 12:12:09



Date: 28.OCT.2021 12:13:47

Highest Channel / 64QAM



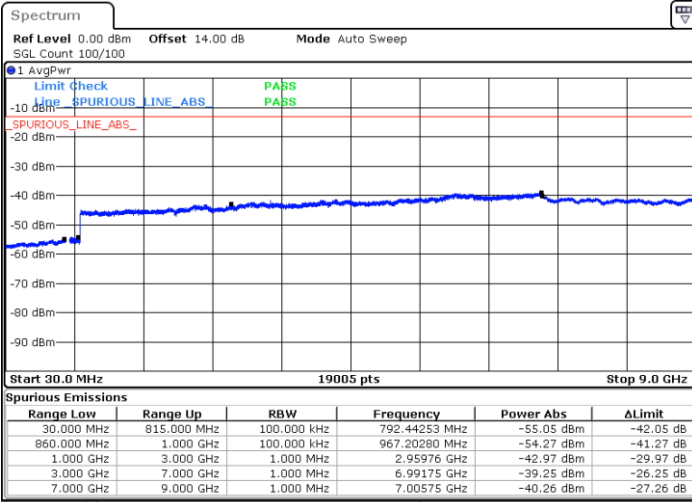
Date: 28.OCT.2021 12:45:02



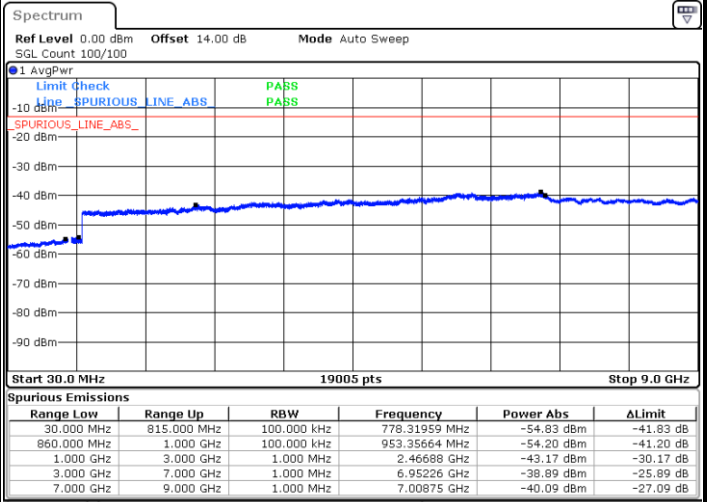
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

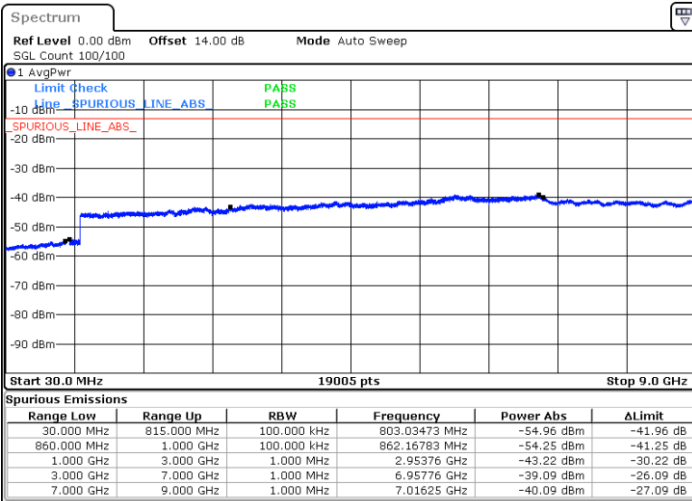


Date: 28.OCT.2021 12:50:28



Date: 28.OCT.2021 12:52:06

Highest Channel / 64QAM



Date: 28.OCT.2021 12:57:31



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

Note: Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.



LTE Band 12

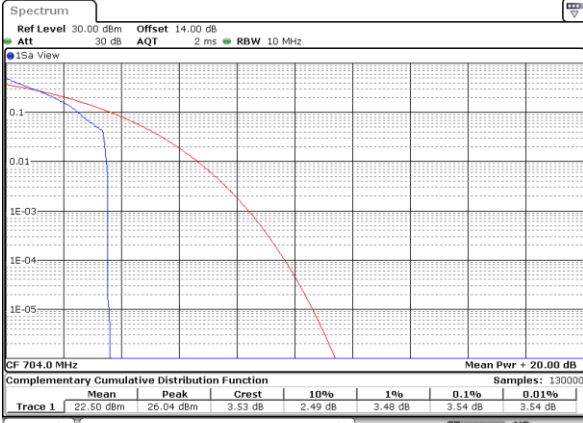
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.49	4.23	5.54	PASS
Middle CH	3.54	4.58	4.29	5.54	
Highest CH	3.48	4.58	4.06	5.59	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.30	6.23	-	-	PASS
Middle CH	5.04	6.23	-	-	
Highest CH	5.07	6.23	-	-	



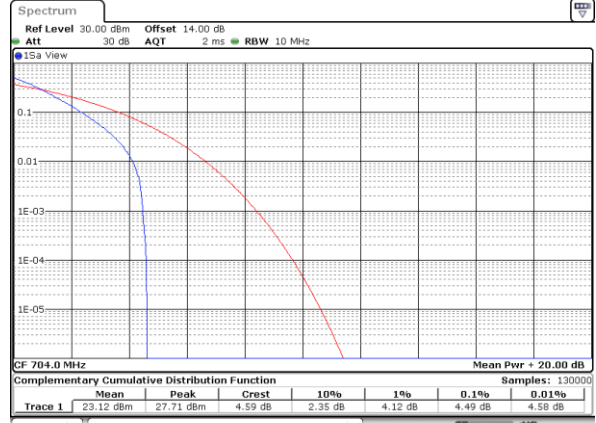
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



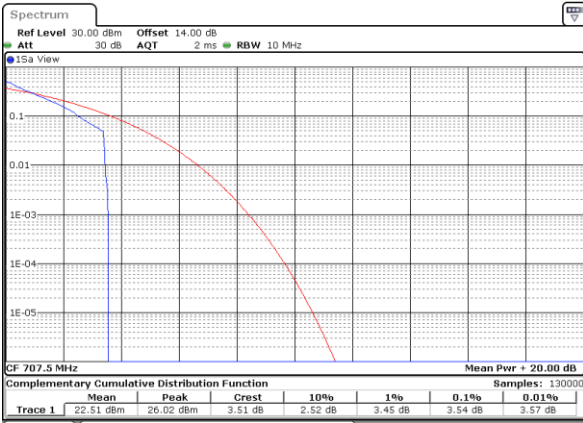
Date: 28.OCT.2021 16:22:37

Lowest Channel / Full RB



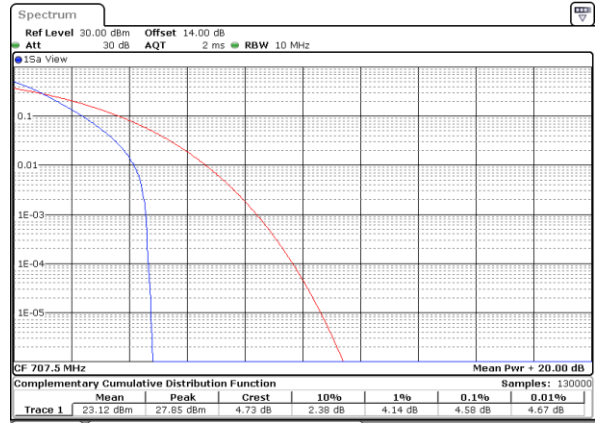
Date: 28.OCT.2021 16:22:09

Middle Channel / 1RB



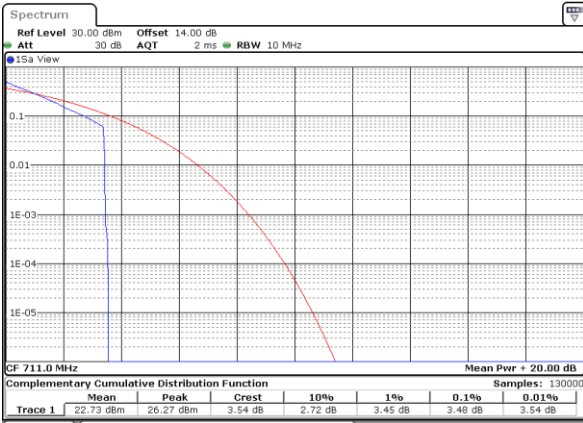
Date: 28.OCT.2021 16:23:06

Middle Channel / Full RB



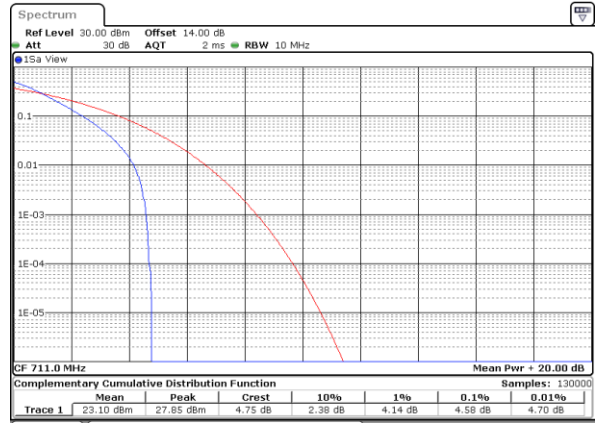
Date: 28.OCT.2021 16:23:34

Highest Channel / 1RB



Date: 28.OCT.2021 16:24:31

Highest Channel / Full RB

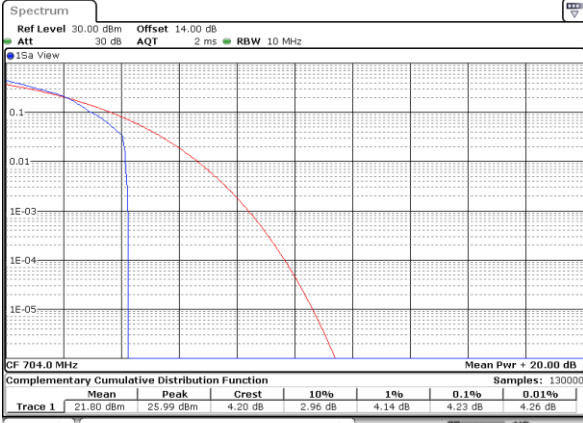


Date: 28.OCT.2021 16:24:02



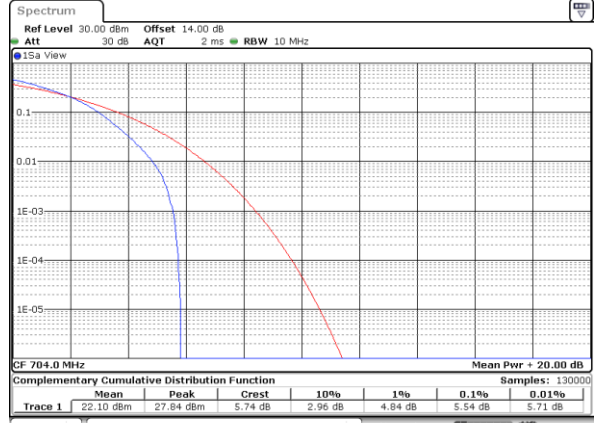
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



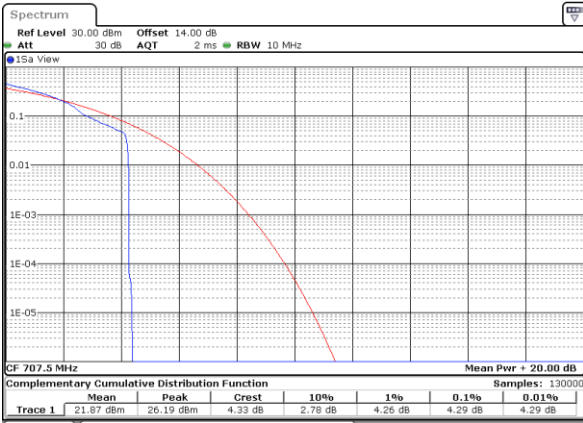
Date: 28_OCT.2021 16:19:47

Lowest Channel / Full RB



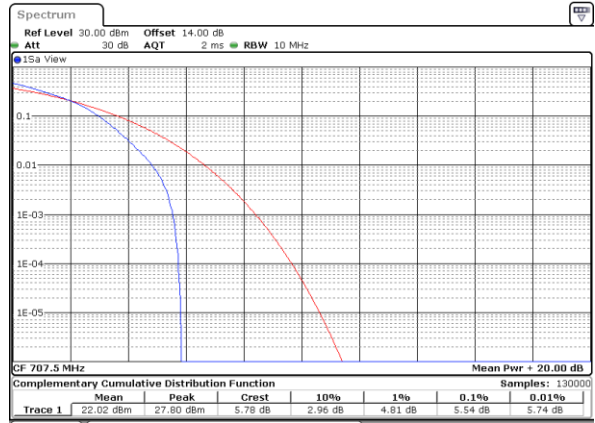
Date: 28_OCT.2021 16:19:19

Middle Channel / 1RB



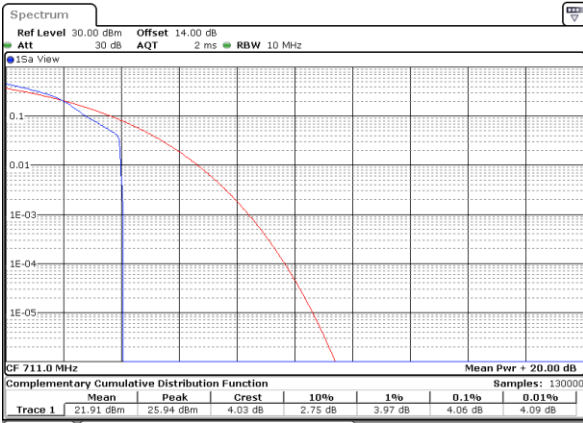
Date: 28_OCT.2021 16:20:15

Middle Channel / Full RB



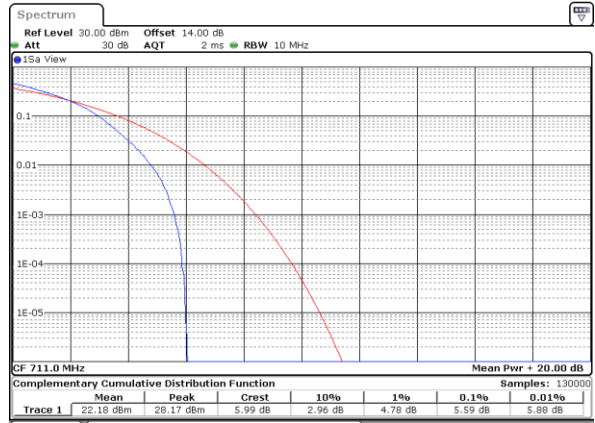
Date: 28_OCT.2021 16:20:43

Highest Channel / 1RB



Date: 28_OCT.2021 16:21:40

Highest Channel / Full RB

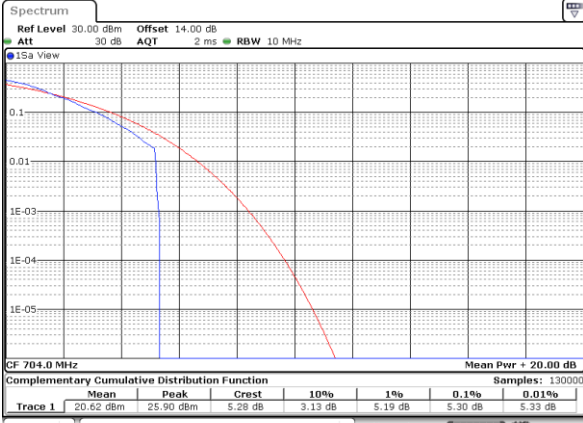


Date: 28_OCT.2021 16:21:11



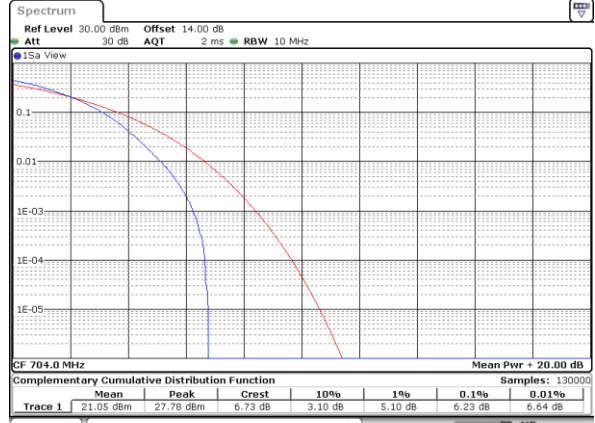
LTE Band 12 / 10MHz / 64QAM

Lowest Channel / 1RB



Date: 28.OCT.2021 16:16:57

Lowest Channel / Full RB



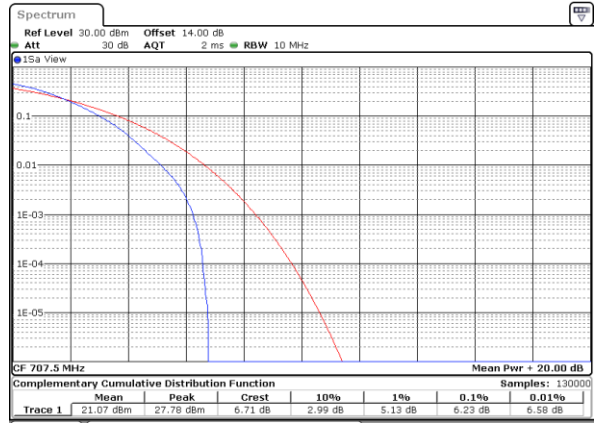
Date: 28.OCT.2021 16:11:29

Middle Channel / 1RB



Date: 28.OCT.2021 16:17:25

Middle Channel / Full RB



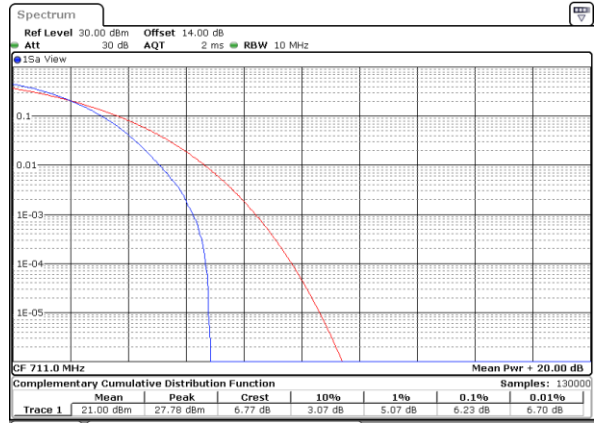
Date: 28.OCT.2021 16:11:53

Highest Channel / 1RB



Date: 28.OCT.2021 16:18:50

Highest Channel / Full RB



Date: 28.OCT.2021 16:11:21



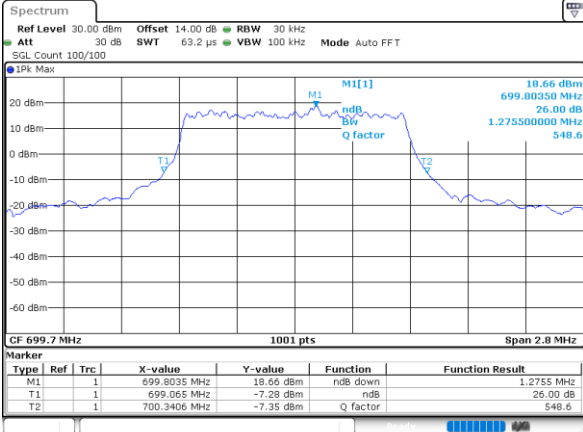
26dB Bandwidth

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	1.28	1.31	2.98	3.05	4.96	5.01	9.93	10.01	-	-	-	-
Middle CH	1.32	1.31	3.07	3.09	5.12	5.13	9.99	9.63	-	-	-	-
Highest CH	1.30	1.31	3.07	3.04	5.09	5.08	9.69	9.73	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.34	-	3.00	-	4.95	-	9.71	-	-	-	-	-
Middle CH	1.33	-	3.06	-	5.01	-	9.77	-	-	-	-	-
Highest CH	1.30	-	3.02	-	4.96	-	9.85	-	-	-	-	-



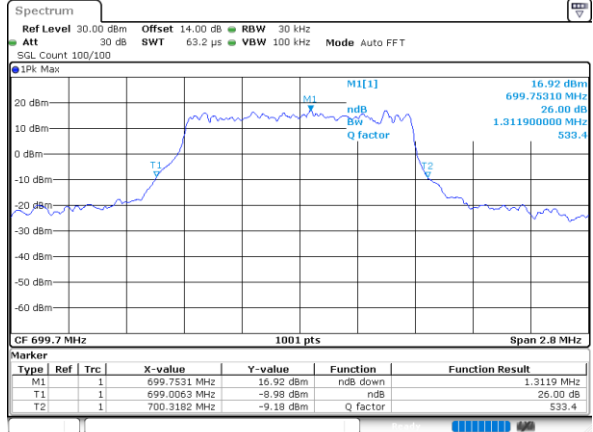
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



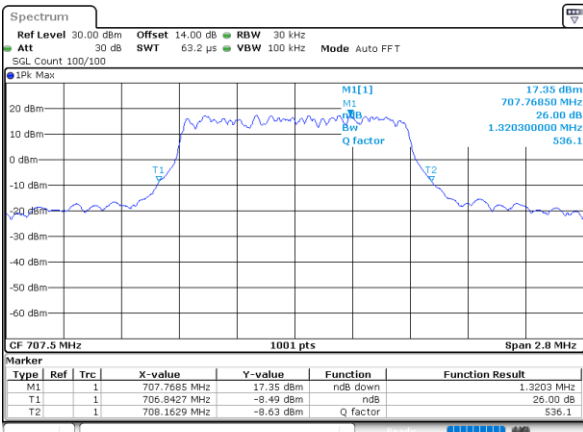
Date: 28.OCT.2021 13:58:12

Lowest Channel / 1.4MHz / 16QAM



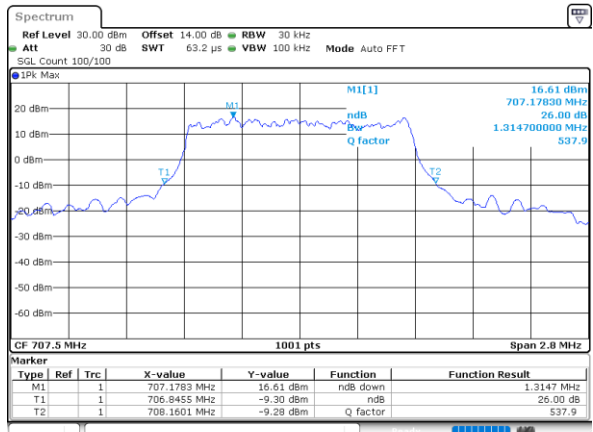
Date: 28.OCT.2021 13:57:45

Middle Channel / 1.4MHz / QPSK



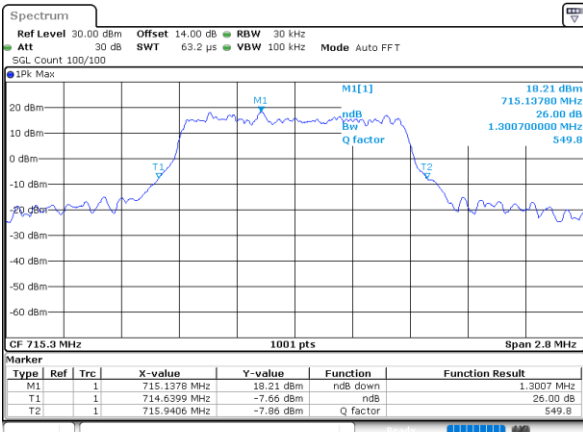
Date: 28.OCT.2021 14:07:23

Middle Channel / 1.4MHz / 16QAM



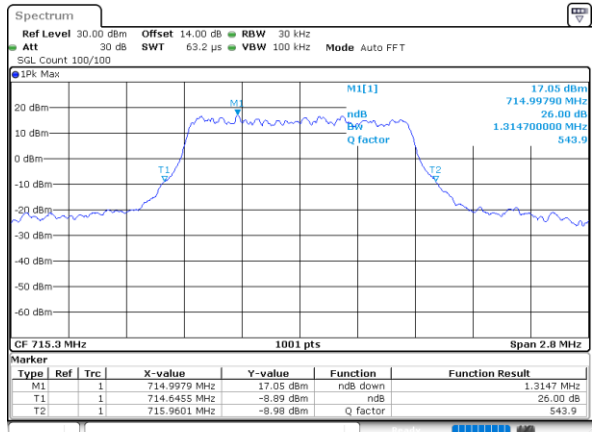
Date: 28.OCT.2021 14:07:50

Highest Channel / 1.4MHz / QPSK



Date: 28.OCT.2021 14:11:14

Highest Channel / 1.4MHz / 16QAM

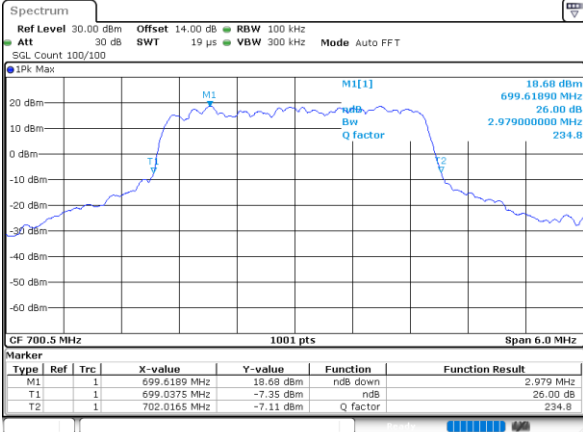


Date: 28.OCT.2021 14:10:47



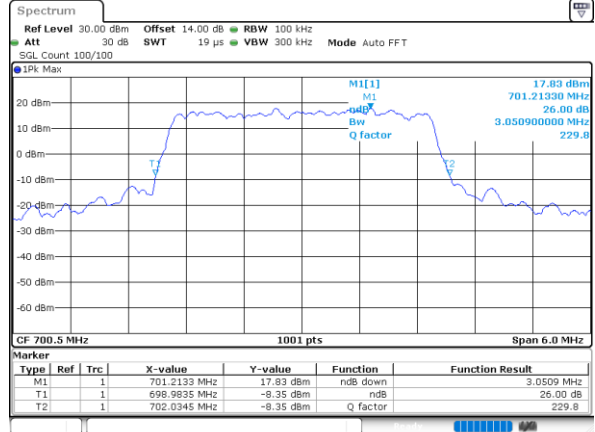
LTE Band 12

Lowest Channel / 3MHz / QPSK



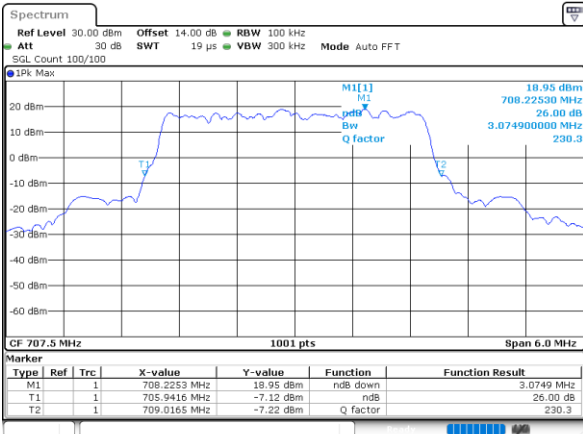
Date: 28.OCT.2021 14:32:01

Lowest Channel / 3MHz / 16QAM



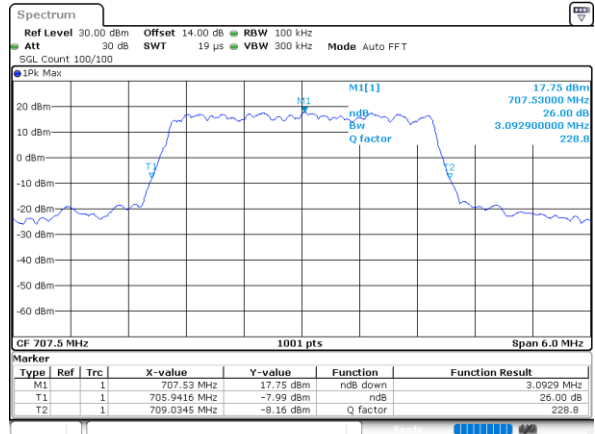
Date: 28.OCT.2021 14:31:34

Middle Channel / 3MHz / QPSK



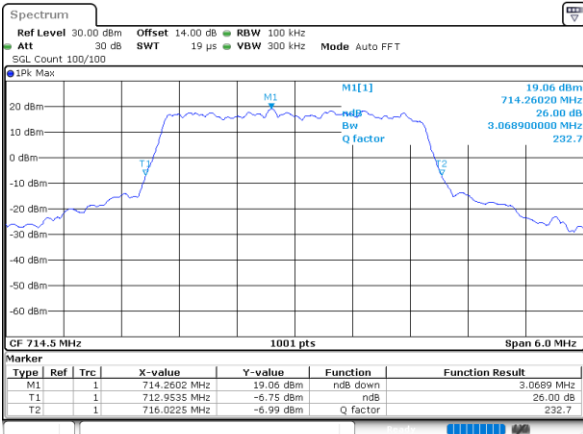
Date: 28.OCT.2021 14:41:13

Middle Channel / 3MHz / 16QAM



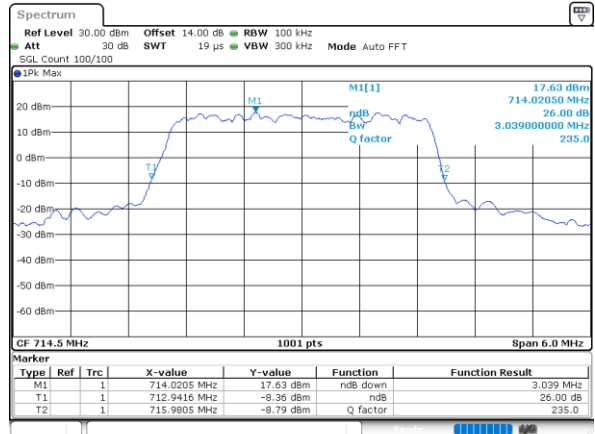
Date: 28.OCT.2021 14:41:39

Highest Channel / 3MHz / QPSK



Date: 28.OCT.2021 14:45:05

Highest Channel / 3MHz / 16QAM

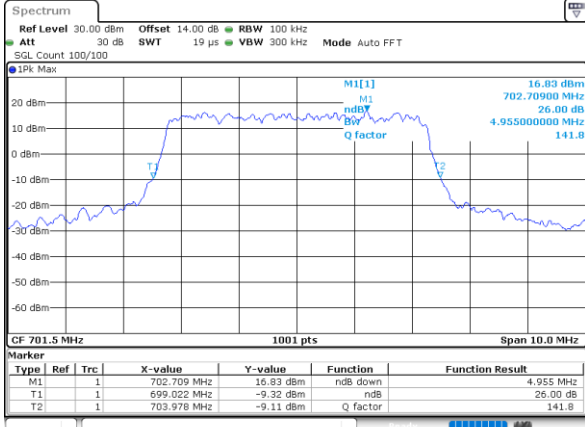


Date: 28.OCT.2021 14:44:37



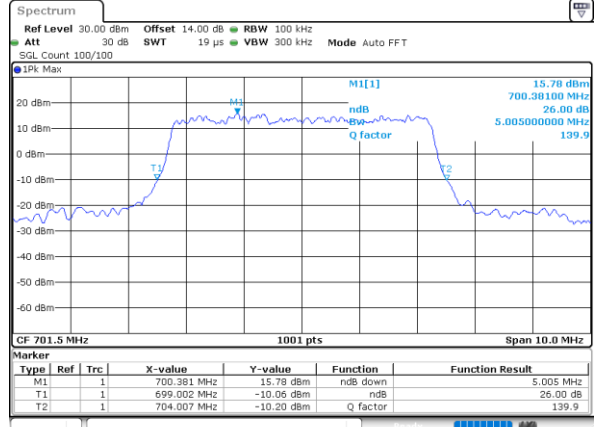
LTE Band 12

Lowest Channel / 5MHz / QPSK



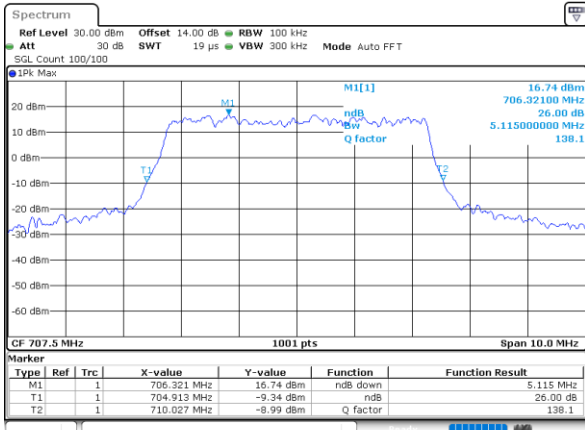
Date: 28_OCT_2021 15:20:57

Lowest Channel / 5MHz / 16QAM



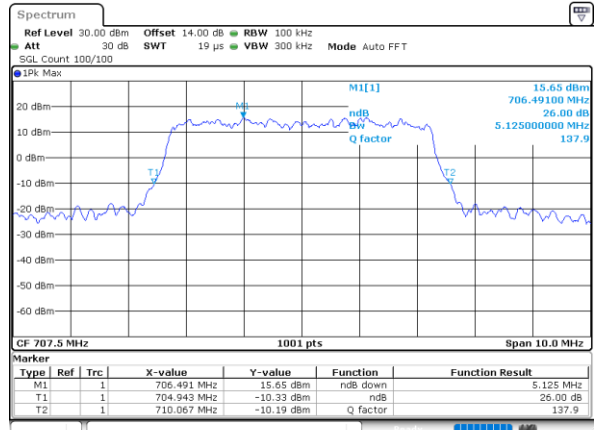
Date: 28_OCT_2021 15:20:30

Middle Channel / 5MHz / QPSK



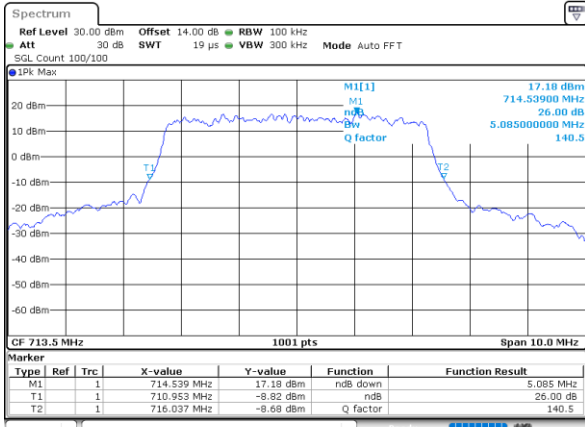
Date: 28_OCT_2021 15:30:08

Middle Channel / 5MHz / 16QAM



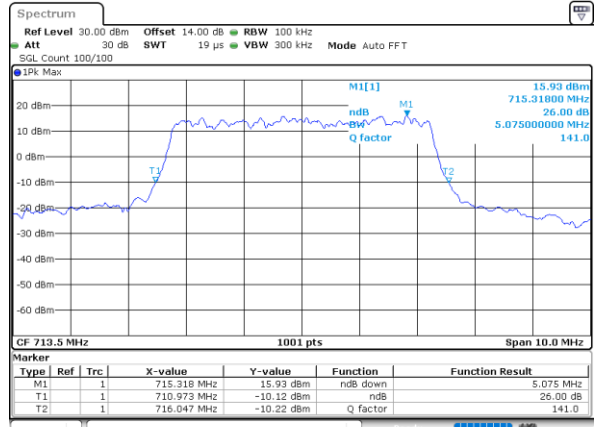
Date: 28_OCT_2021 15:30:35

Highest Channel / 5MHz / QPSK



Date: 28_OCT_2021 15:34:00

Highest Channel / 5MHz / 16QAM



Date: 28_OCT_2021 15:33:33