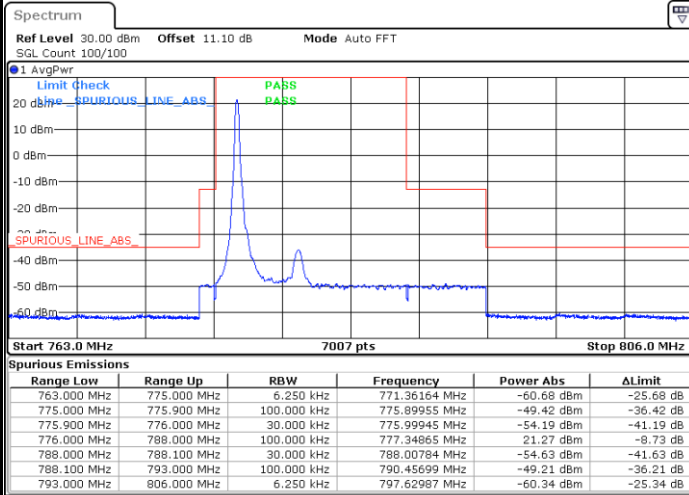




Conducted Band Edge

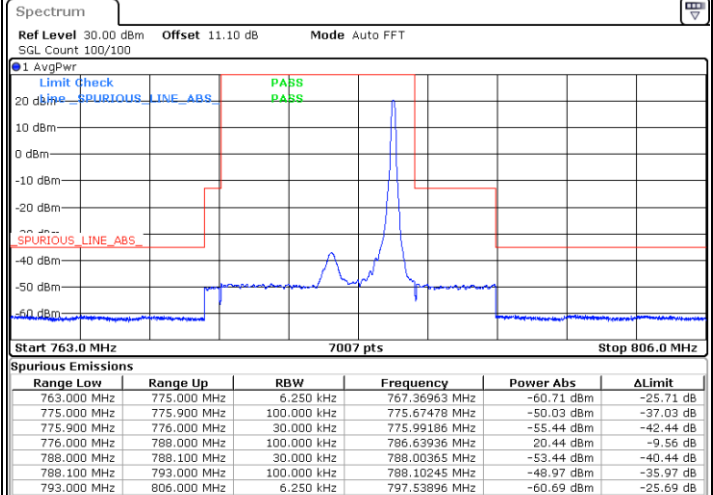
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



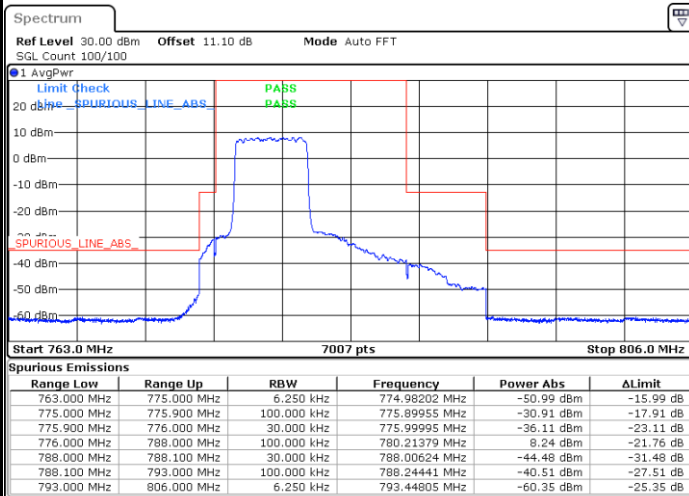
Date: 3 MAY 2021 15:21:26

Highest Band Edge / 1 RB



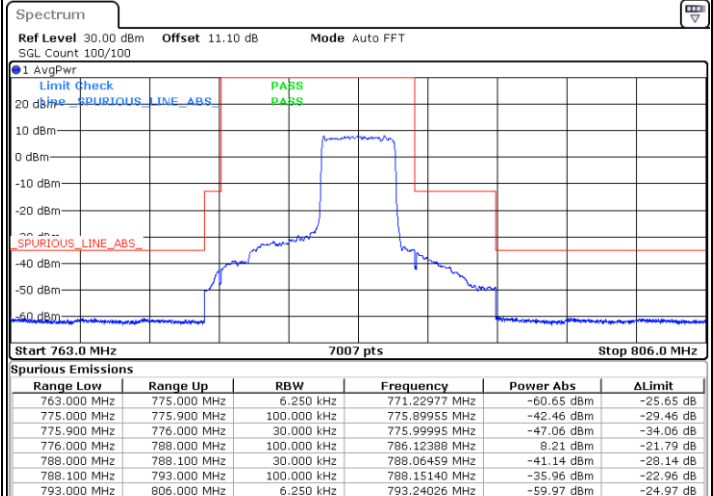
Date: 3 MAY 2021 15:33:16

Lowest Band Edge / Full RB



Date: 3 MAY 2021 15:14:40

Highest Band Edge / Full RB

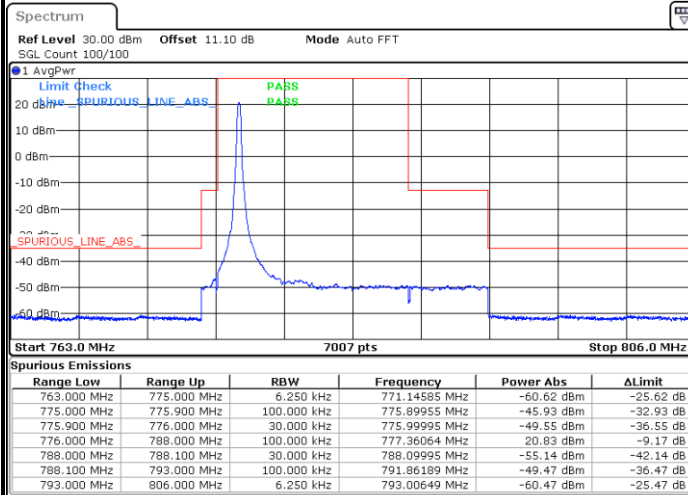


Date: 3 MAY 2021 15:27:41



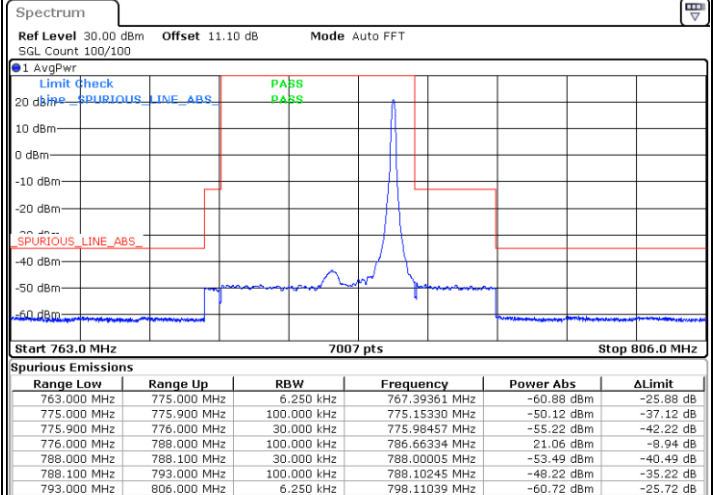
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



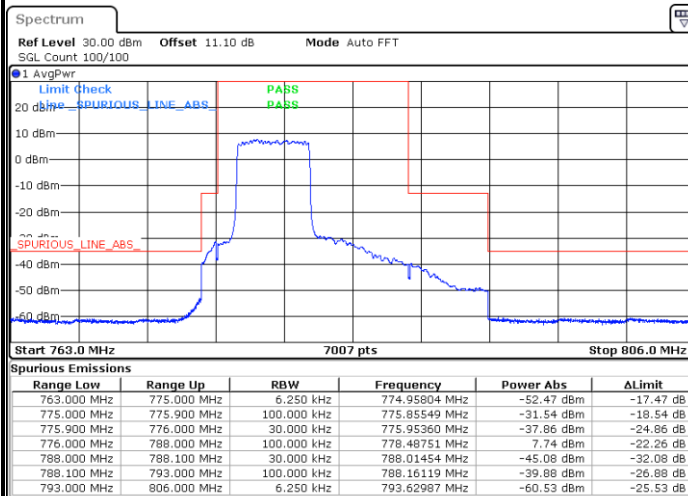
Date: 3 MAY 2021 15:19:34

Highest Band Edge / 1 RB



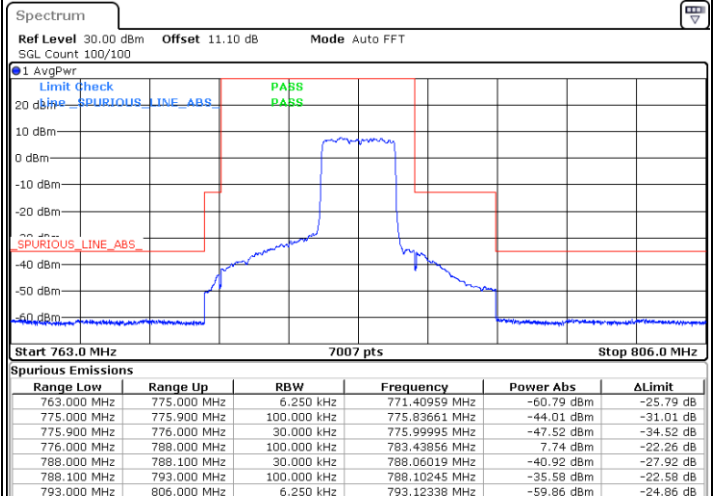
Date: 3 MAY 2021 15:31:24

Lowest Band Edge / Full RB



Date: 3 MAY 2021 15:16:32

Highest Band Edge / Full RB

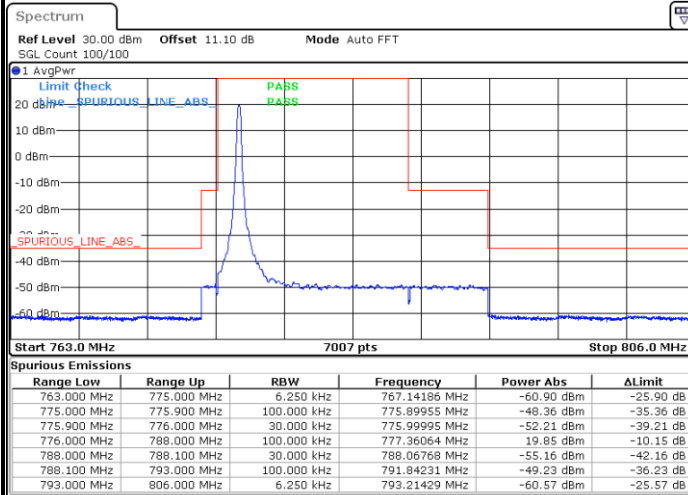


Date: 3 MAY 2021 15:29:33



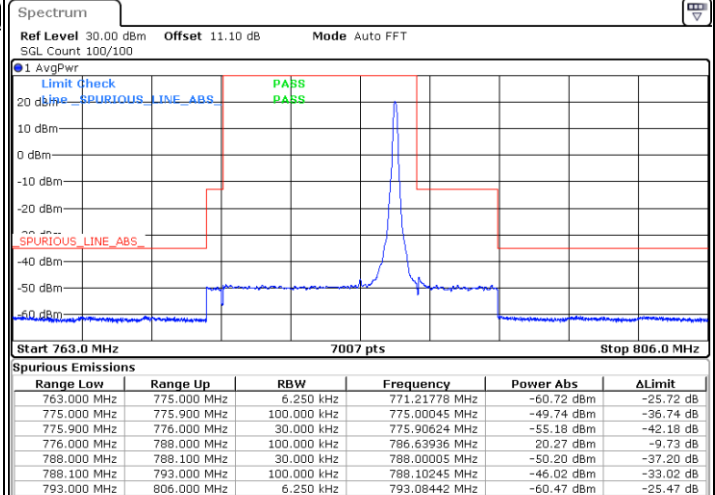
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



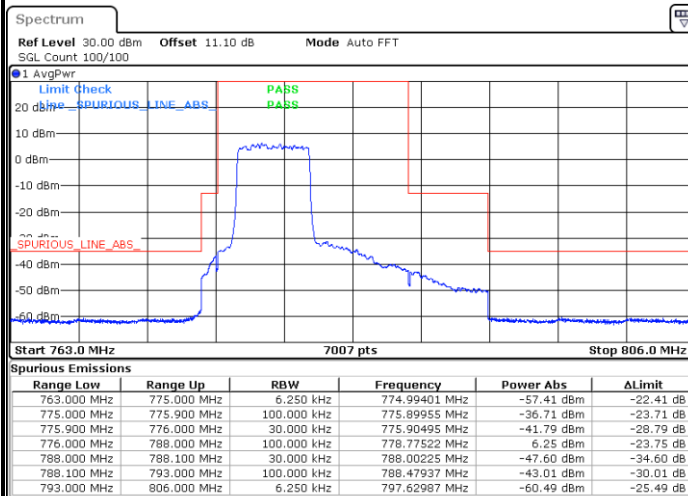
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Highest Band Edge / 1 RB



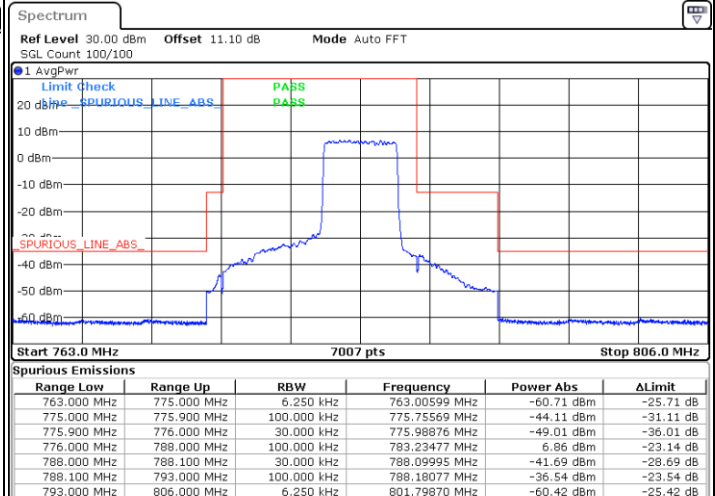
Date: 3 MAY 2021 15:43:31

Lowest Band Edge / Full RB



Date: 3 MAY 2021 15:37:12

Highest Band Edge / Full RB

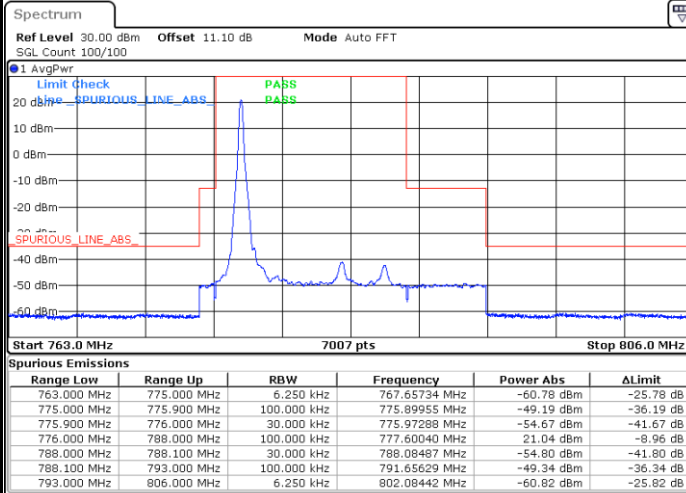


Date: 3 MAY 2021 15:41:40



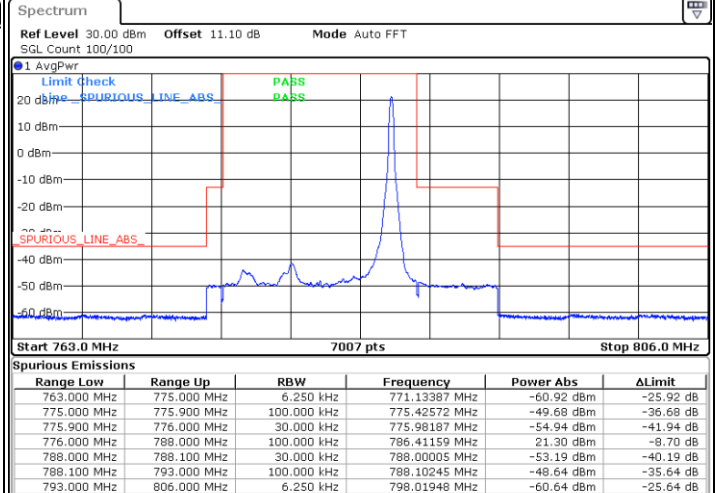
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



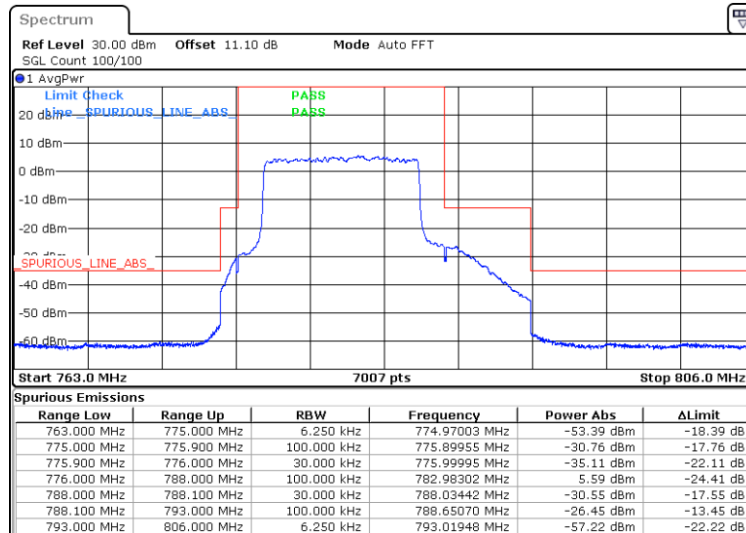
Date: 3 MAY 2021 15:52:26

Highest Band Edge / 1 RB



Date: 3 MAY 2021 15:54:16

Band Edge / Full RB

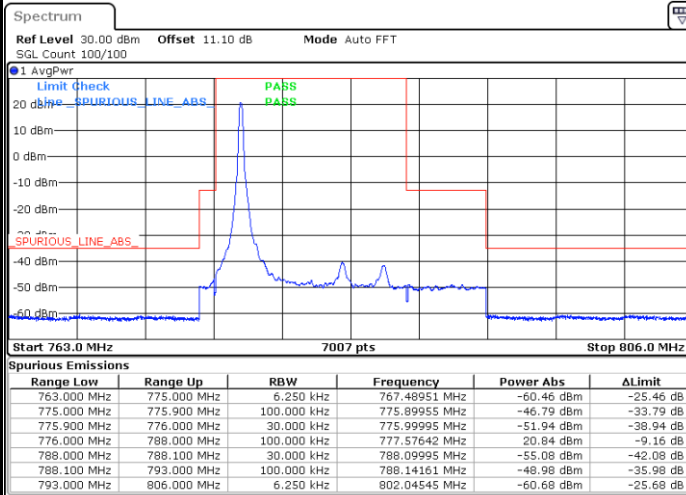


Date: 3 MAY 2021 15:46:52



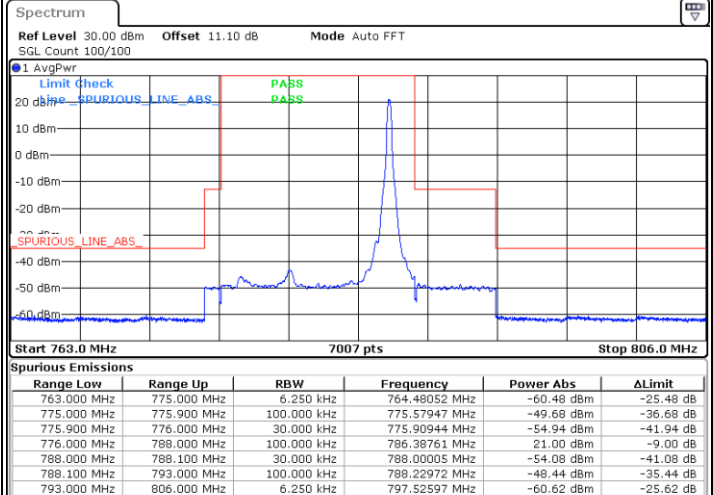
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



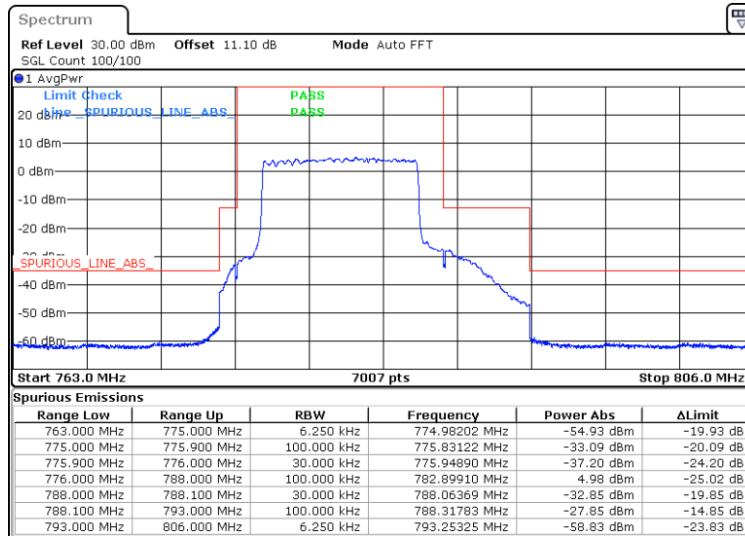
Date: 3 MAY 2021 15:50:34

Highest Band Edge / 1 RB



Date: 3 MAY 2021 15:56:08

Band Edge / Full RB

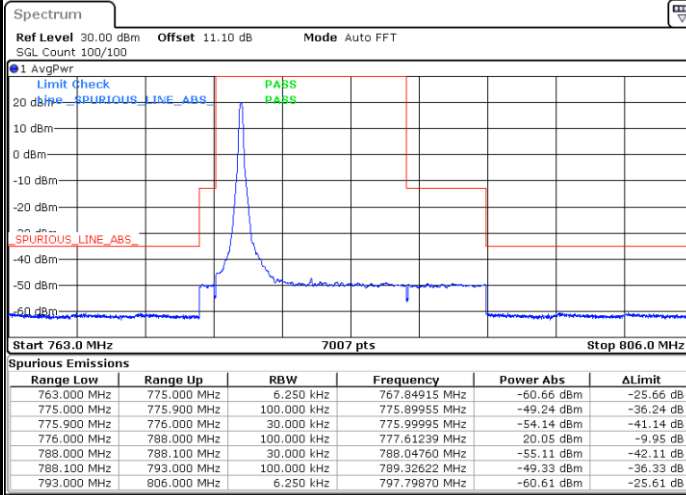


Date: 3 MAY 2021 15:48:43



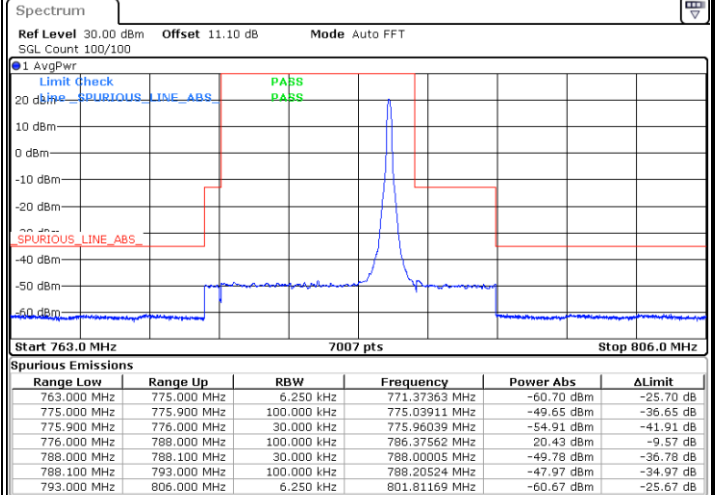
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



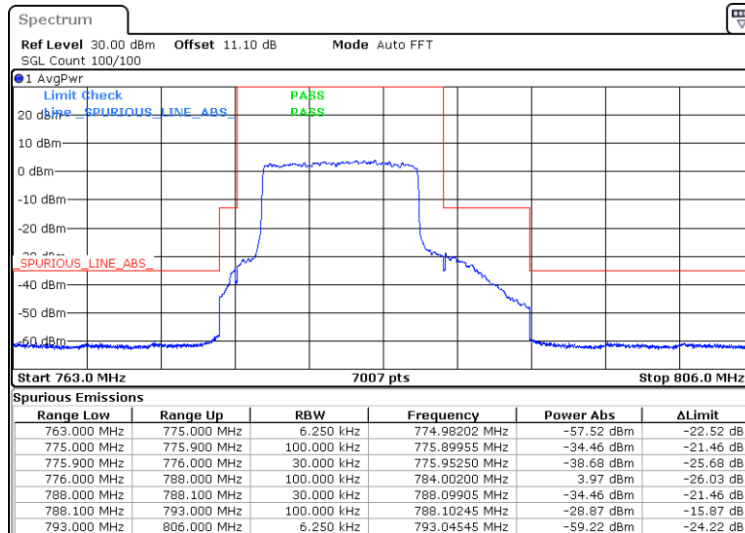
Date: 3 MAY 2021 16:01:45

Highest Band Edge / 1 RB



Date: 3 MAY 2021 16:03:37

Band Edge / Full RB



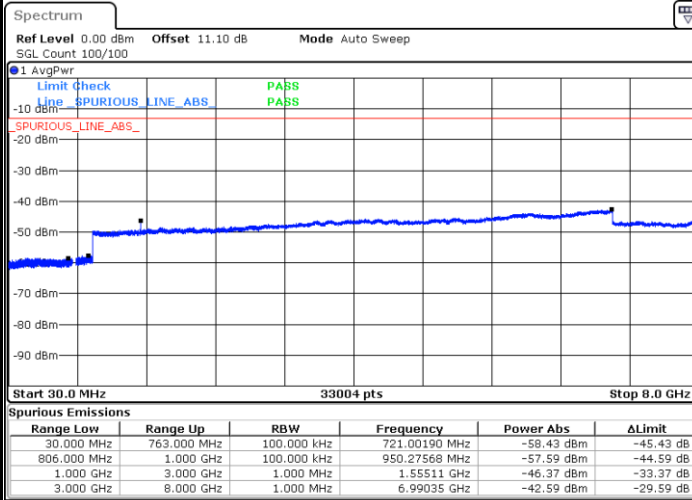
Date: 3 MAY 2021 15:59:54



Conducted Spurious Emission

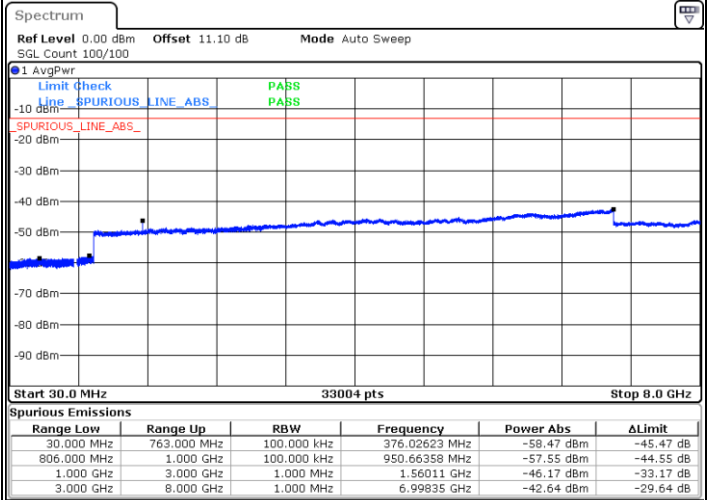
LTE Band 13 / 5MHz

Lowest Channel / QPSK



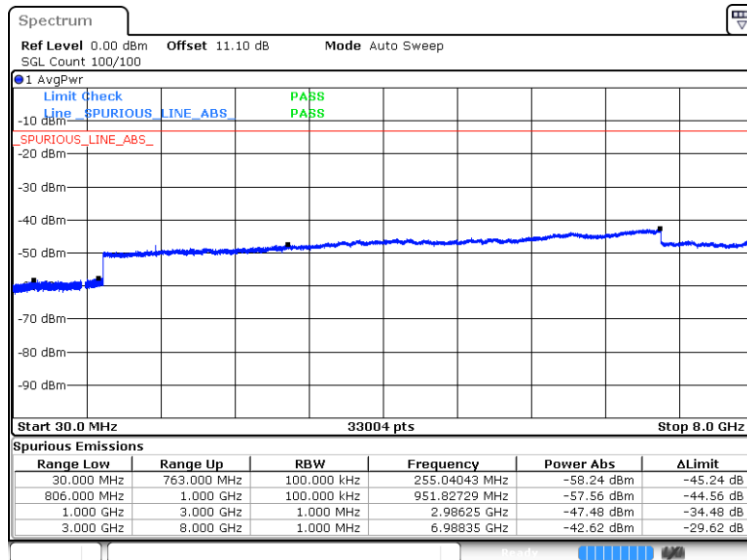
Date: 3 MAY 2021 15:22:38

Middle Channel / QPSK



Date: 3 MAY 2021 15:24:14

Highest Channel / QPSK

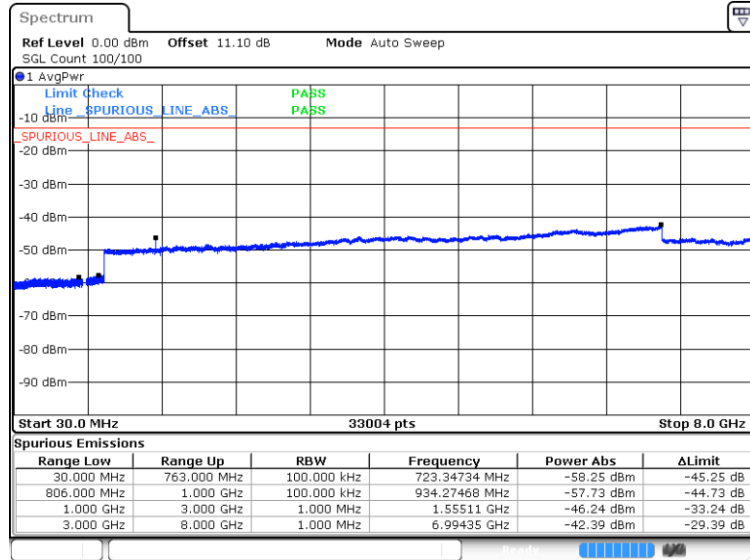


Date: 3 MAY 2021 15:34:28



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 3.MAY.2021 15:57:18

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0197	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0205	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0130	
-20	Normal Voltage	0.0173	
-30	Normal Voltage	0.0087	
20	Maximum Voltage	0.0147	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0123	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.00	6.12	-	PASS

LTE Band 41 / 20MHz / QPSK	LTE Band 41 / 20MHz / 16QAM																												
Middle Channel / Full RB	Middle Channel / Full RB																												
Spectrum Ref Level 30.00 dBm Att 30 dB TRG:JFP Offset 12.40 dB AQT 2 ms RBW 20 MHz 1Sa View CF 2.593 GHz Mean Pwr + 20.00 dB Complementary Cumulative Distribution Function Samples: 130000 <table><tr><th>Mean</th><th>Peak</th><th>Crest</th><th>10%</th><th>1%</th><th>0.1%</th><th>0.01%</th></tr><tr><td>20.49 dBm</td><td>26.27 dBm</td><td>5.78 dB</td><td>2.46 dB</td><td>4.26 dB</td><td>5.10 dB</td><td>5.59 dB</td></tr></table> Trace 1 Date: 2.JUN.2021 21:06:01	Mean	Peak	Crest	10%	1%	0.1%	0.01%	20.49 dBm	26.27 dBm	5.78 dB	2.46 dB	4.26 dB	5.10 dB	5.59 dB	Spectrum Ref Level 30.00 dBm Att 30 dB TRG:JFP Offset 12.40 dB AQT 2 ms RBW 20 MHz 1Sa View CF 2.593 GHz Mean Pwr + 20.00 dB Complementary Cumulative Distribution Function Samples: 130000 <table><tr><th>Mean</th><th>Peak</th><th>Crest</th><th>10%</th><th>1%</th><th>0.1%</th><th>0.01%</th></tr><tr><td>19.51 dBm</td><td>26.07 dBm</td><td>6.56 dB</td><td>2.96 dB</td><td>4.96 dB</td><td>6.00 dB</td><td>6.35 dB</td></tr></table> Trace 1 Date: 2.JUN.2021 21:06:30	Mean	Peak	Crest	10%	1%	0.1%	0.01%	19.51 dBm	26.07 dBm	6.56 dB	2.96 dB	4.96 dB	6.00 dB	6.35 dB
Mean	Peak	Crest	10%	1%	0.1%	0.01%																							
20.49 dBm	26.27 dBm	5.78 dB	2.46 dB	4.26 dB	5.10 dB	5.59 dB																							
Mean	Peak	Crest	10%	1%	0.1%	0.01%																							
19.51 dBm	26.07 dBm	6.56 dB	2.96 dB	4.96 dB	6.00 dB	6.35 dB																							
LTE Band 41 / 20MHz / 64QAM	N/A																												
Middle Channel / Full RB	N/A																												
Spectrum Ref Level 30.00 dBm Att 30 dB TRG:JFP Offset 12.40 dB AQT 2 ms RBW 20 MHz 1Sa View CF 2.593 GHz Mean Pwr + 20.00 dB Complementary Cumulative Distribution Function Samples: 130000 <table><tr><th>Mean</th><th>Peak</th><th>Crest</th><th>10%</th><th>1%</th><th>0.1%</th><th>0.01%</th></tr><tr><td>18.52 dBm</td><td>25.23 dBm</td><td>6.71 dB</td><td>3.19 dB</td><td>5.13 dB</td><td>6.12 dB</td><td>6.49 dB</td></tr></table> Trace 1 Date: 2.JUN.2021 21:06:57	Mean	Peak	Crest	10%	1%	0.1%	0.01%	18.52 dBm	25.23 dBm	6.71 dB	3.19 dB	5.13 dB	6.12 dB	6.49 dB	N/A														
Mean	Peak	Crest	10%	1%	0.1%	0.01%																							
18.52 dBm	25.23 dBm	6.71 dB	3.19 dB	5.13 dB	6.12 dB	6.49 dB																							

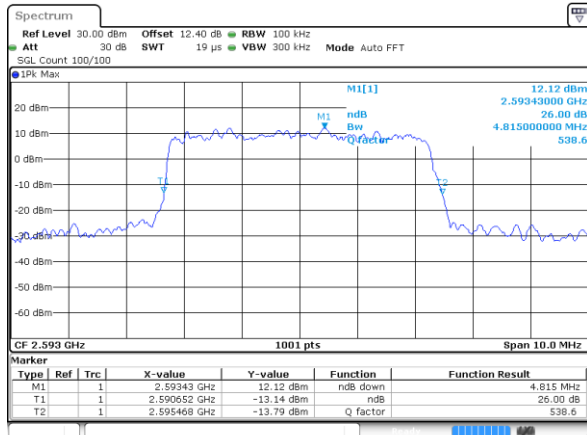
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.82	4.95	9.67	9.75	14.33	14.45	18.66	18.82
Mode	LTE Band 41 : 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	-	-	-	-	4.89	-	9.67	-	14.27	-	18.82	-

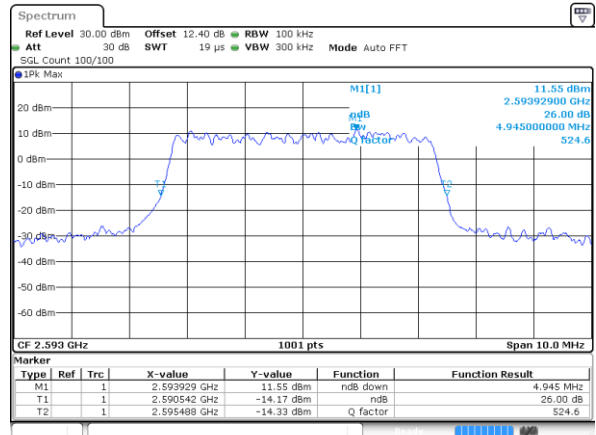


LTE Band 41

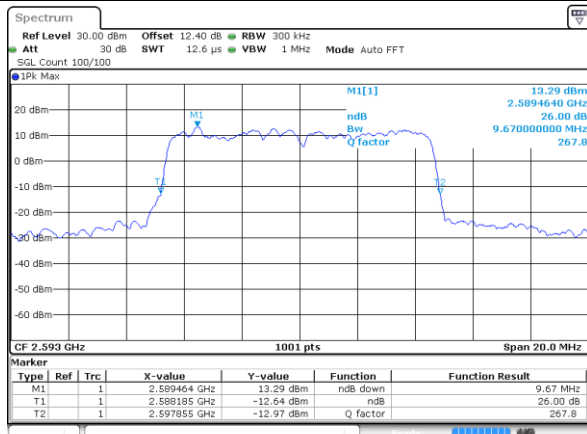
Middle Channel / 5MHz / QPSK



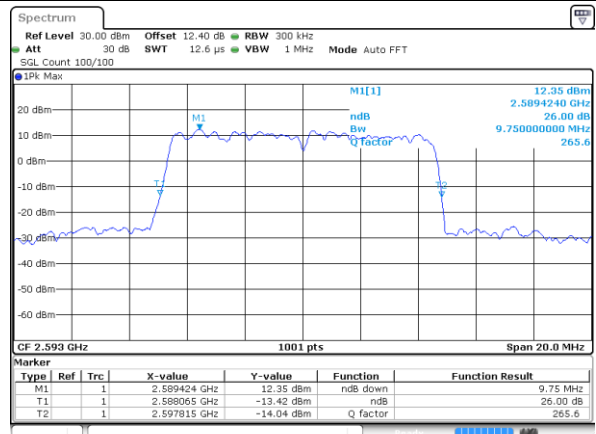
Middle Channel / 5MHz / 16QAM



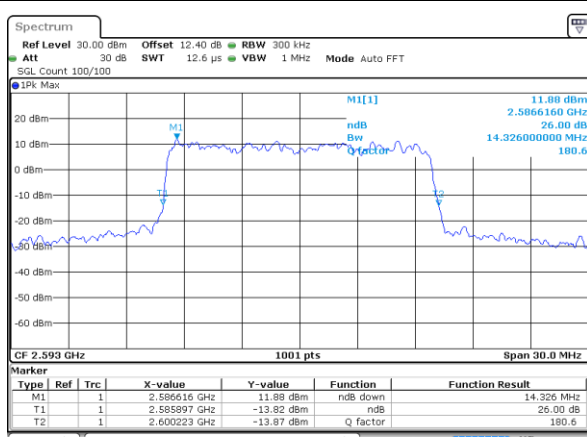
Middle Channel / 10MHz / QPSK



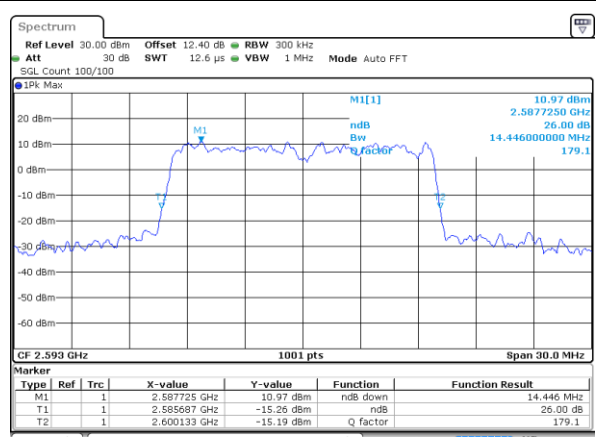
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



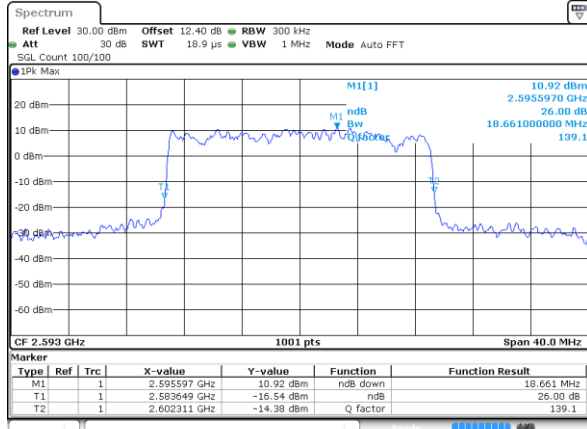
Middle Channel / 15MHz / 16QAM





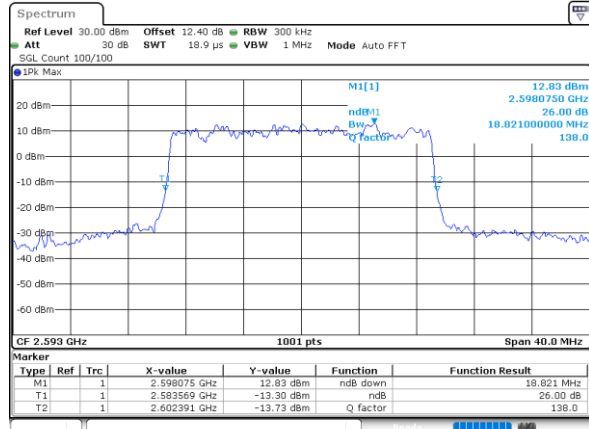
LTE Band 41

Middle Channel / 20MHz / QPSK



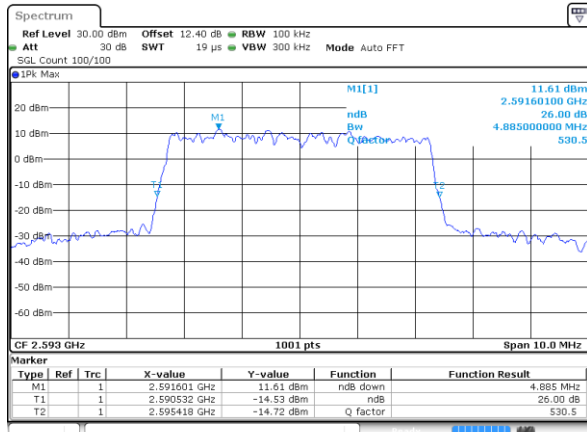
Date: 3 MAY 2021 17:41:27

Middle Channel / 20MHz / 16QAM



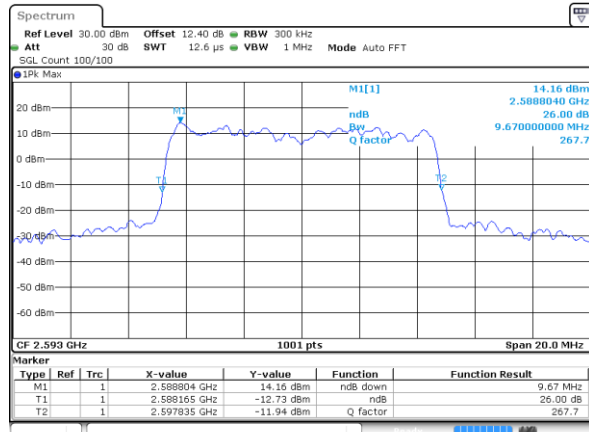
Date: 14 MAY 2021 19:59:10

Middle Channel / 5MHz / 64QAM



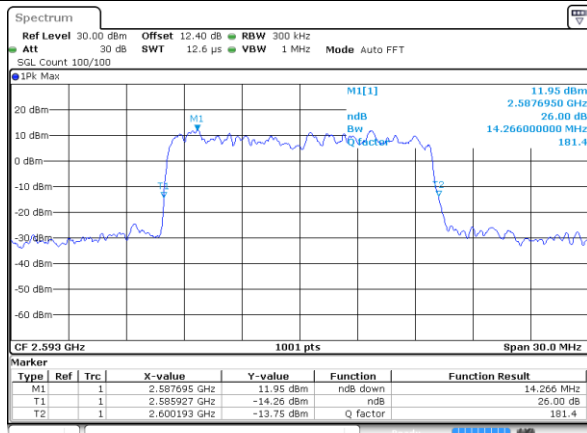
Date: 3 MAY 2021 17:42:32

Middle Channel / 10MHz / 64QAM



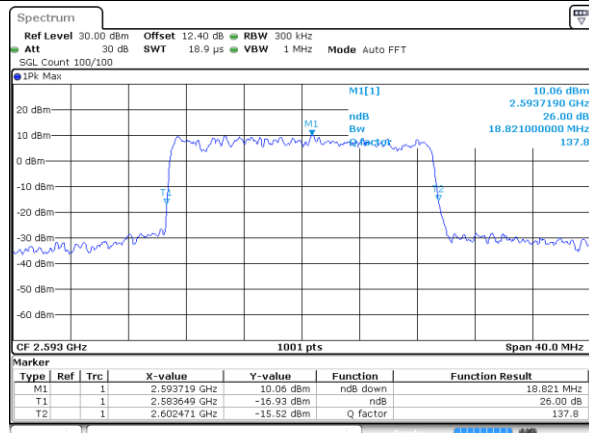
Date: 3 MAY 2021 17:43:17

Middle Channel / 15MHz / 64QAM



Date: 3 MAY 2021 17:44:01

Middle Channel / 20MHz / 64QAM



Date: 3 MAY 2021 17:44:45

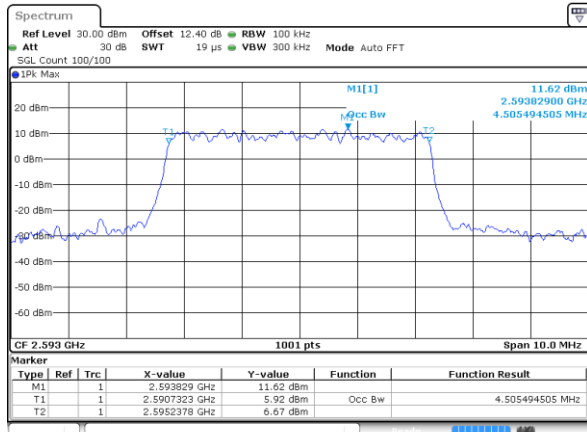
**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.51	4.49	9.01	9.05	13.43	13.49	17.82	17.90
Mode	LTE Band 41 : 99%OBW(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	-	-	-	-	4.51	-	9.03	-	13.46	-	17.86	-

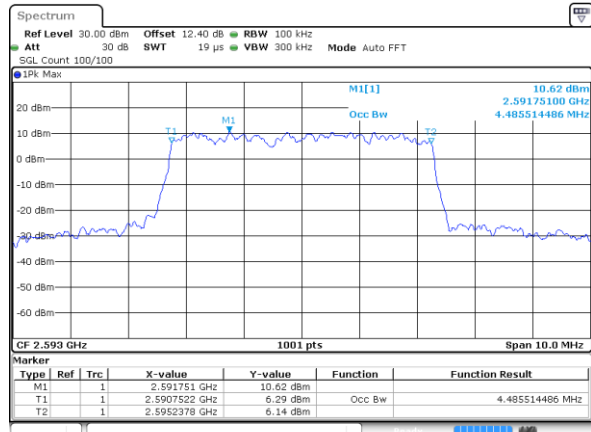


LTE Band 41

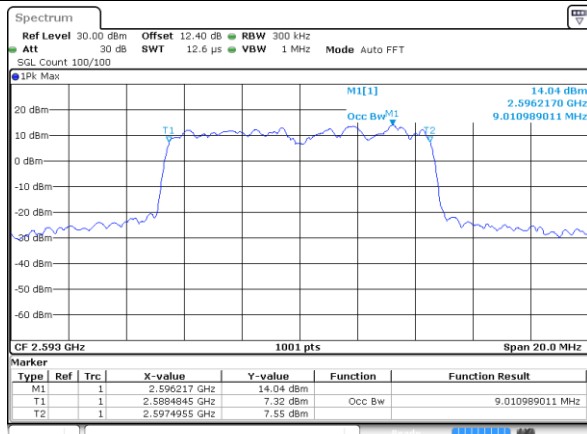
Middle Channel / 5MHz / QPSK



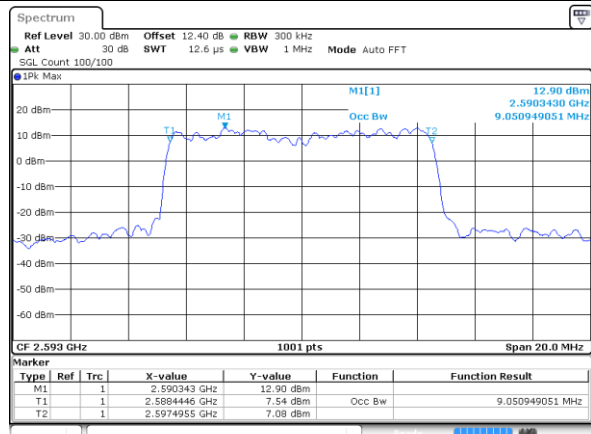
Middle Channel / 5MHz / 16QAM



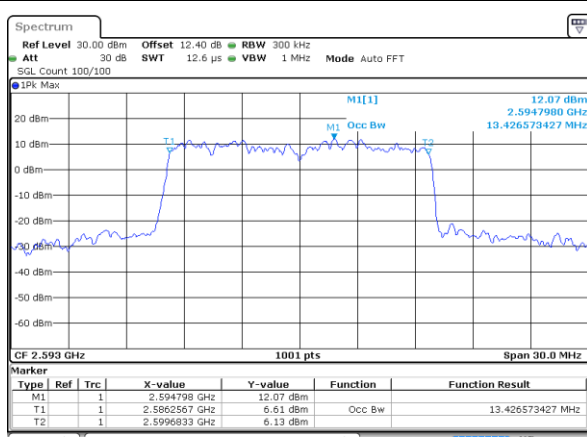
Middle Channel / 10MHz / QPSK



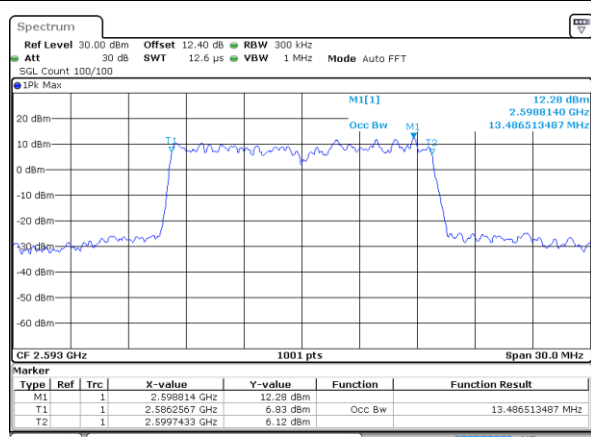
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



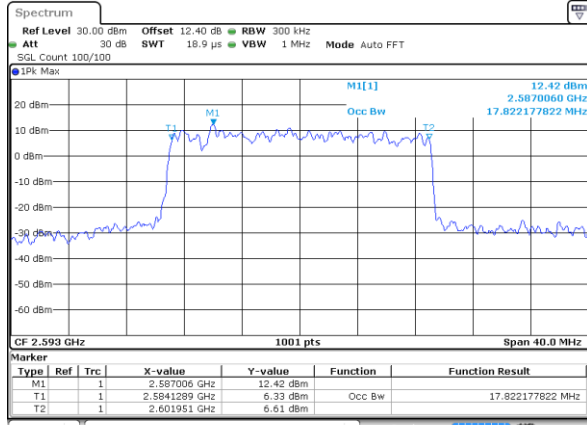
Middle Channel / 15MHz / 16QAM



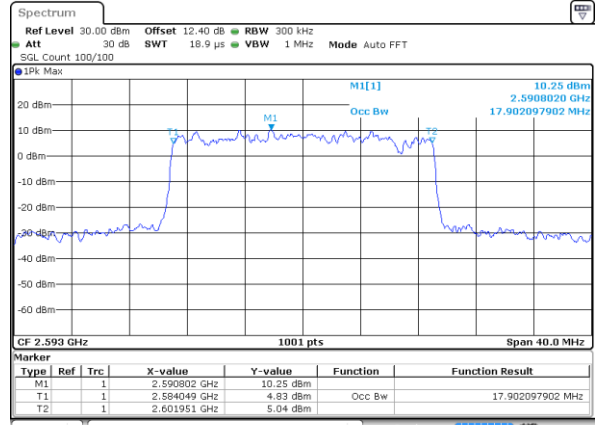


LTE Band 41

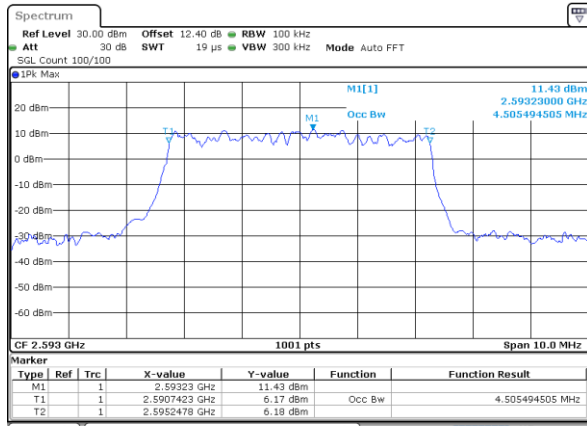
Middle Channel / 20MHz / QPSK



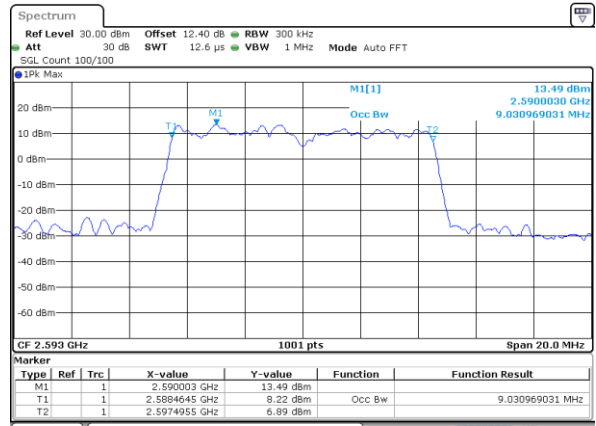
Middle Channel / 20MHz / 16QAM



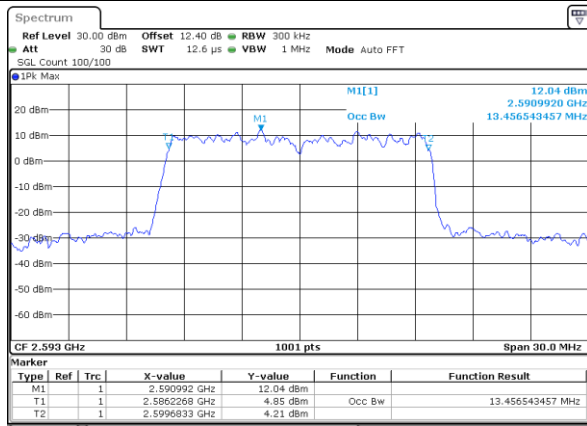
Middle Channel / 5MHz / 64QAM



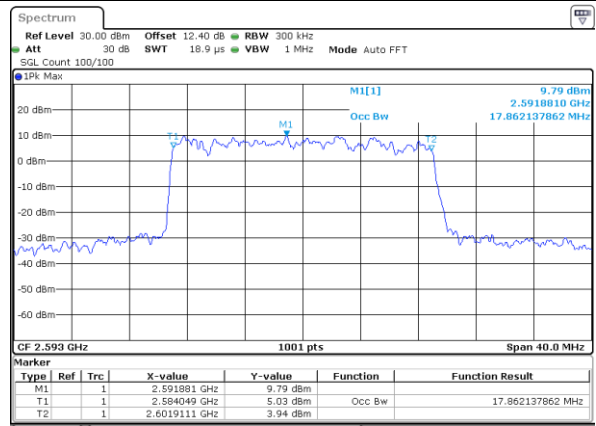
Middle Channel / 10MHz / 64QAM

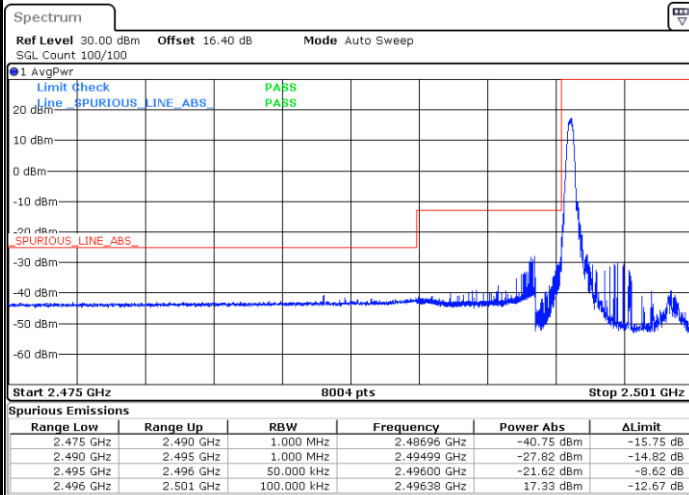


Middle Channel / 15MHz / 64QAM

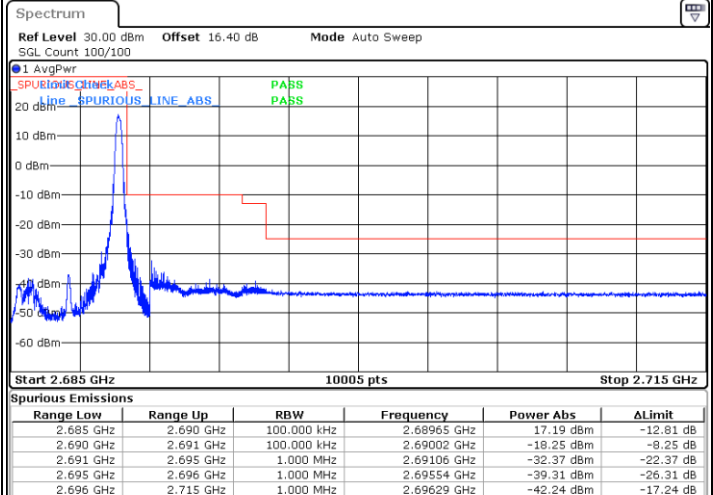


Middle Channel / 20MHz / 64QAM

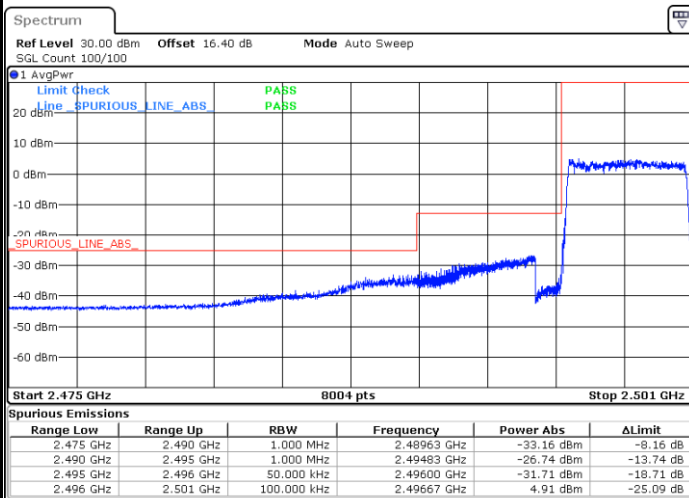


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

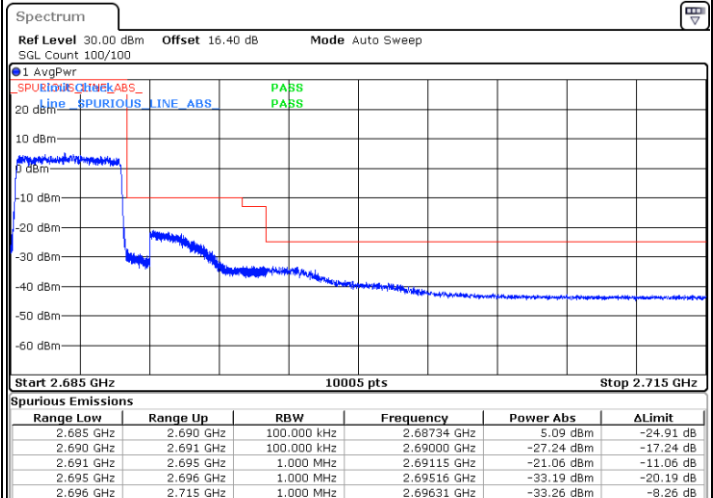
Date: 3 MAY 2021 17:54:33

Highest Band Edge / 1 RB

Date: 3 MAY 2021 17:57:31

Lowest Band Edge / Full RB

Date: 3 MAY 2021 17:56:02

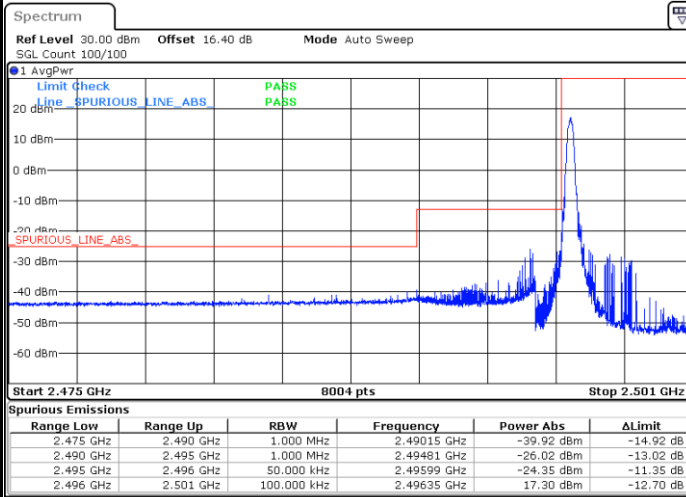
Highest Band Edge / Full RB

Date: 3 MAY 2021 17:58:59



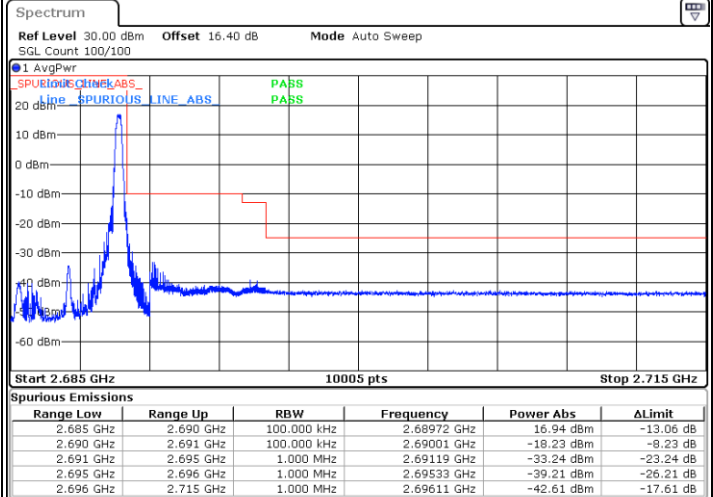
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



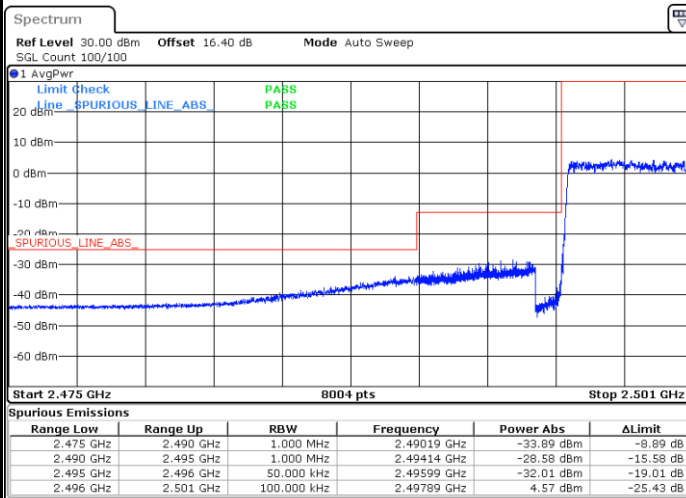
Date: 3 MAY 2021 17:55:18

Highest Band Edge / 1 RB



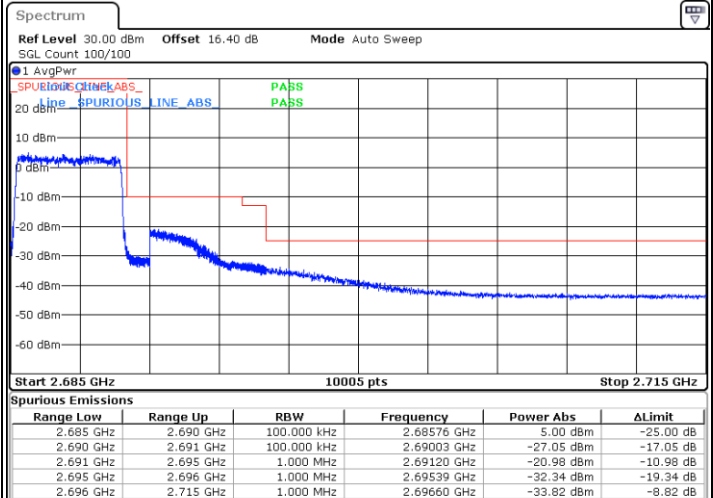
Date: 3 MAY 2021 17:58:15

Lowest Band Edge / Full RB



Date: 3 MAY 2021 17:56:46

Highest Band Edge / Full RB

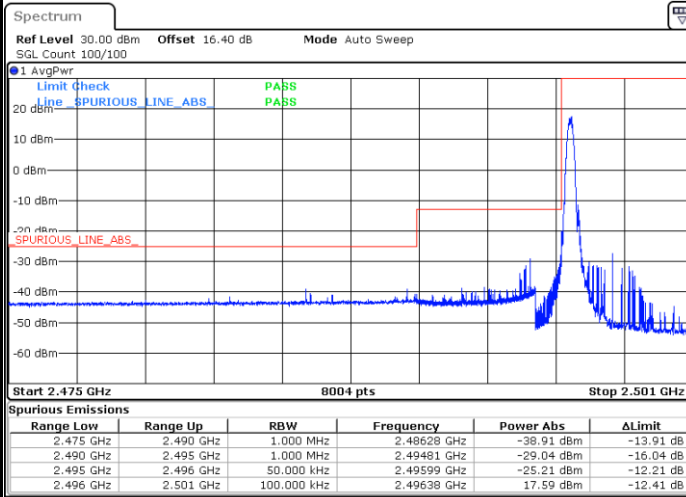


Date: 3 MAY 2021 17:59:42



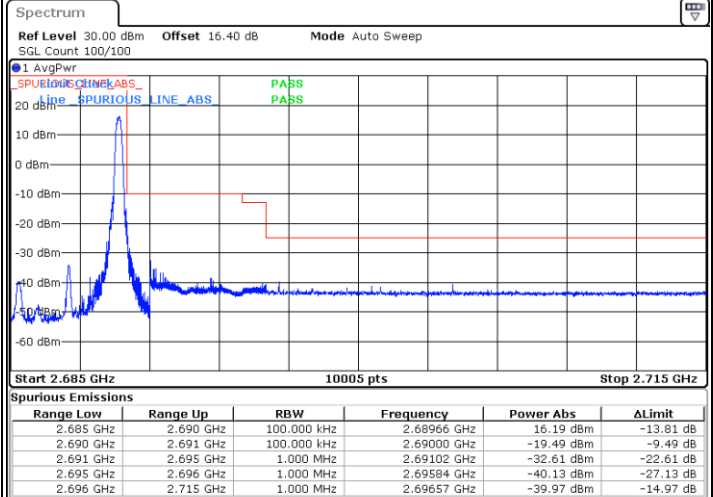
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



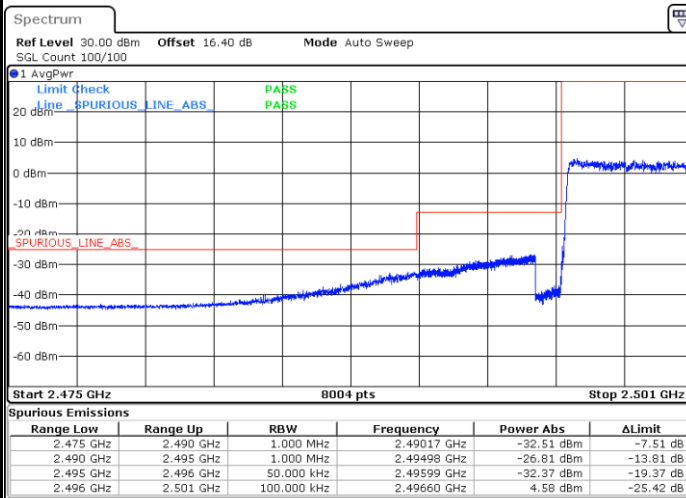
Date: 3 MAY 2021 18:00:26

Highest Band Edge / 1 RB



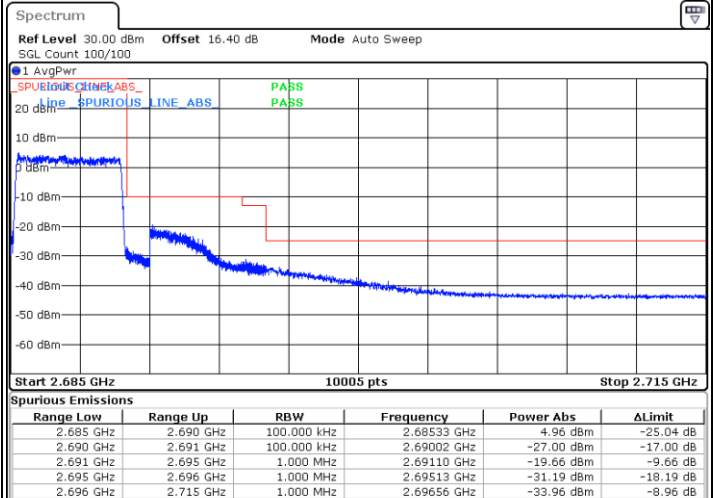
Date: 3 MAY 2021 18:01:54

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:01:10

Highest Band Edge / Full RB

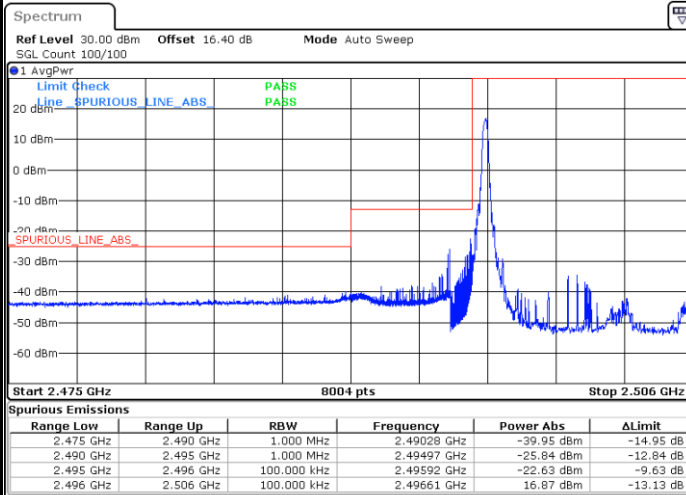


Date: 3 MAY 2021 18:02:38



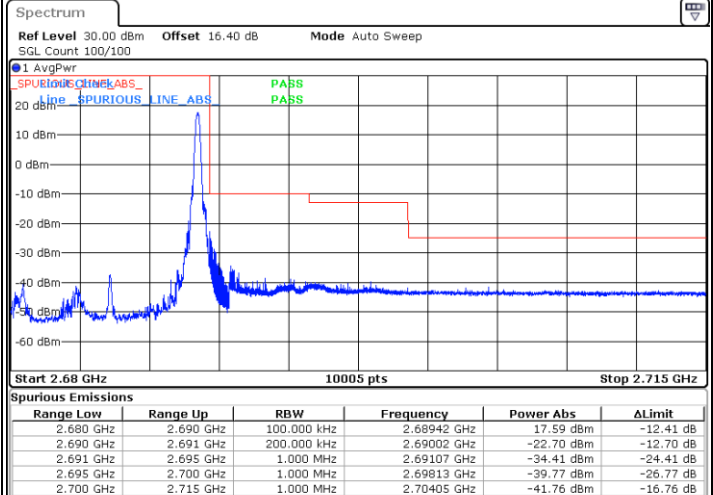
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



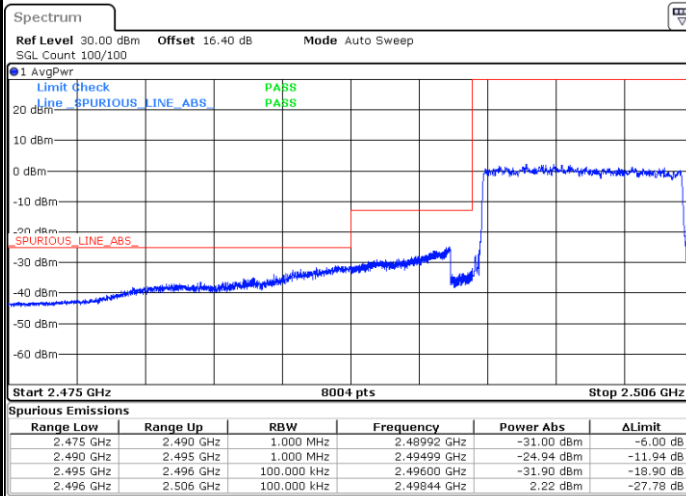
Date: 3 MAY 2021 18:03:23

Highest Band Edge / 1 RB



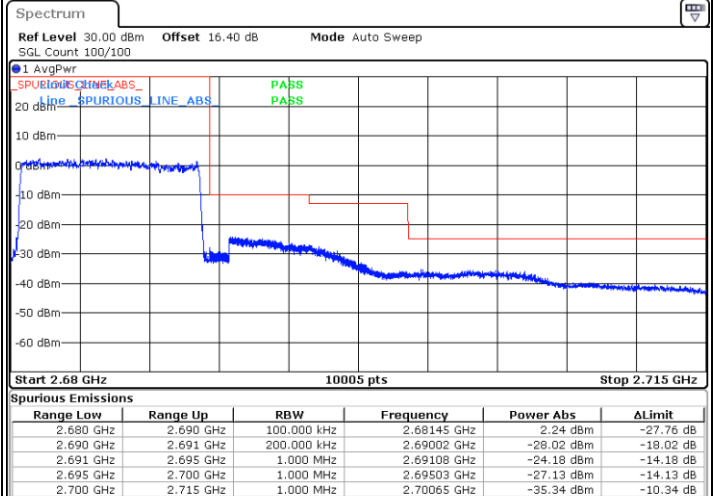
Date: 3 MAY 2021 18:06:20

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:45:25

Highest Band Edge / Full RB

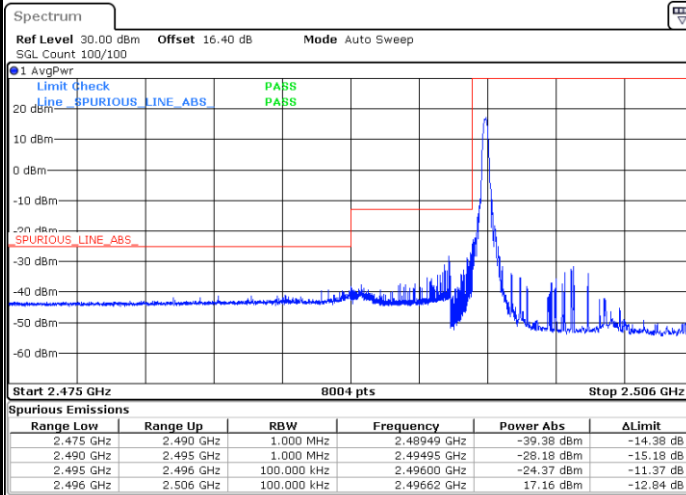


Date: 3 MAY 2021 18:07:48



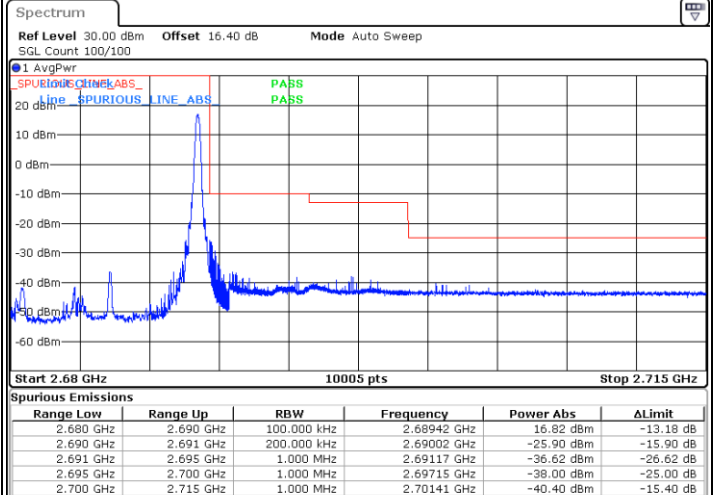
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



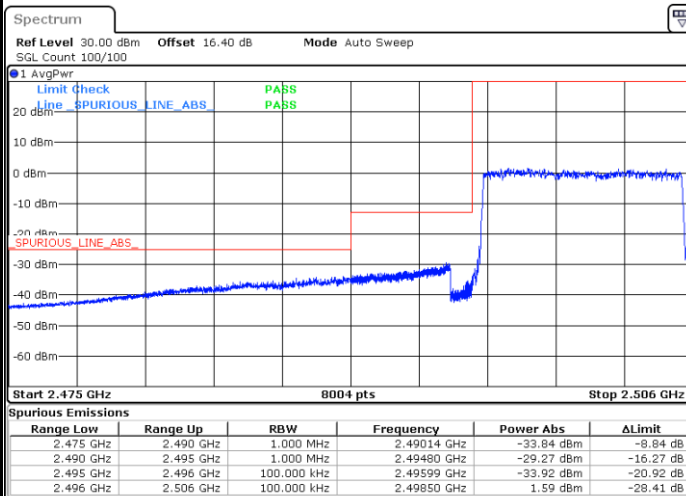
Date: 3 MAY 2021 18:04:07

Highest Band Edge / 1 RB



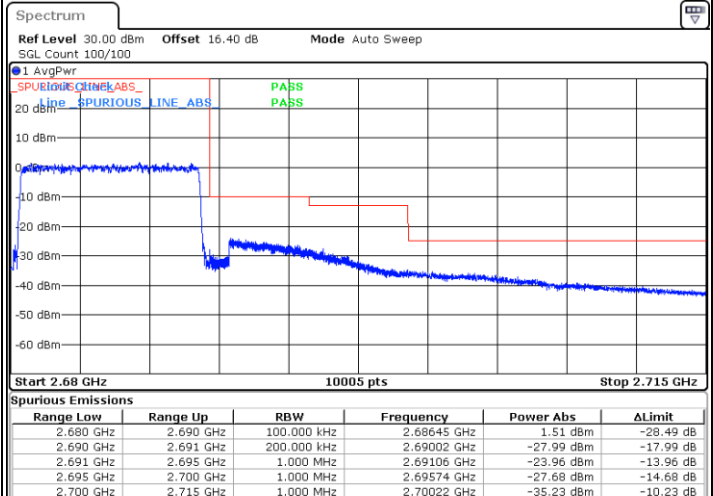
Date: 3 MAY 2021 18:07:03

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:05:36

Highest Band Edge / Full RB

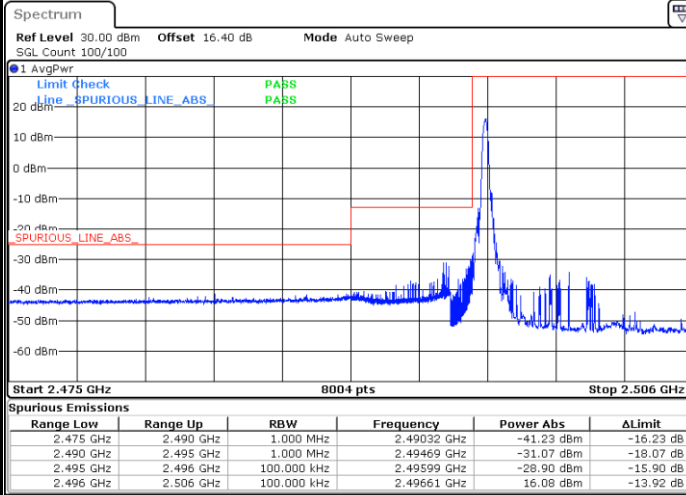


Date: 3 MAY 2021 18:08:32



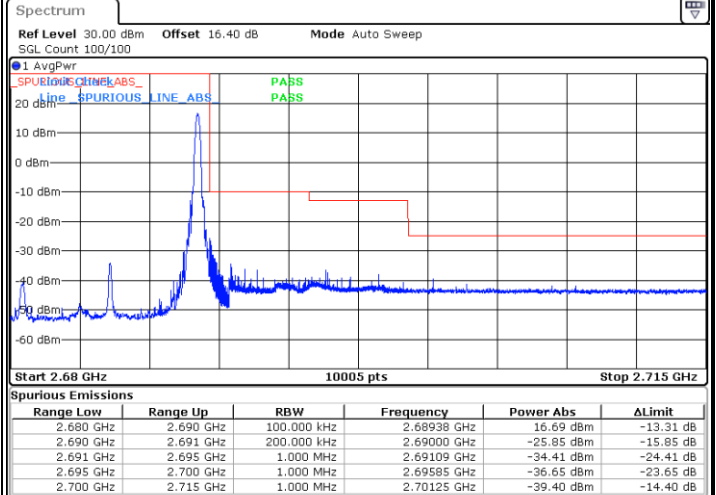
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



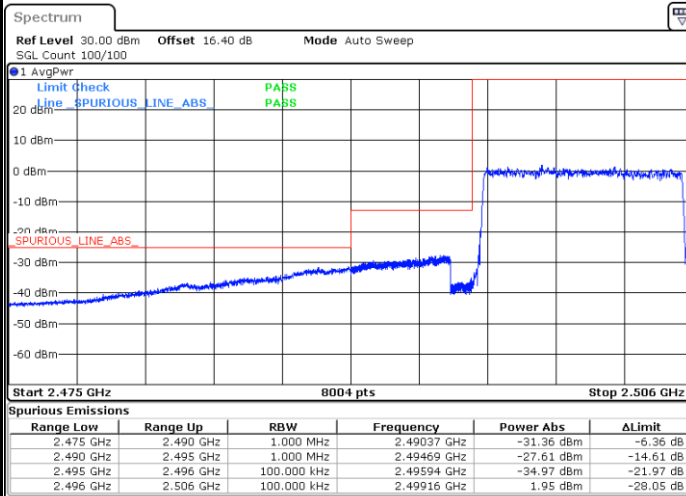
Date: 3 MAY 2021 18:09:17

Highest Band Edge / 1 RB



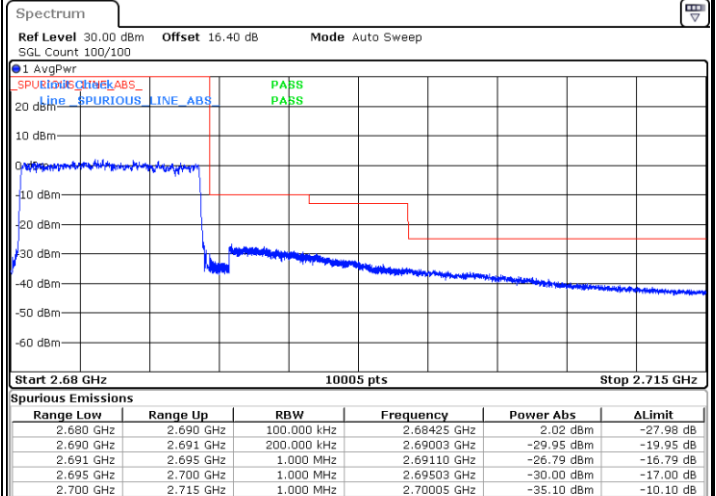
Date: 3 MAY 2021 18:10:44

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:10:00

Highest Band Edge / Full RB

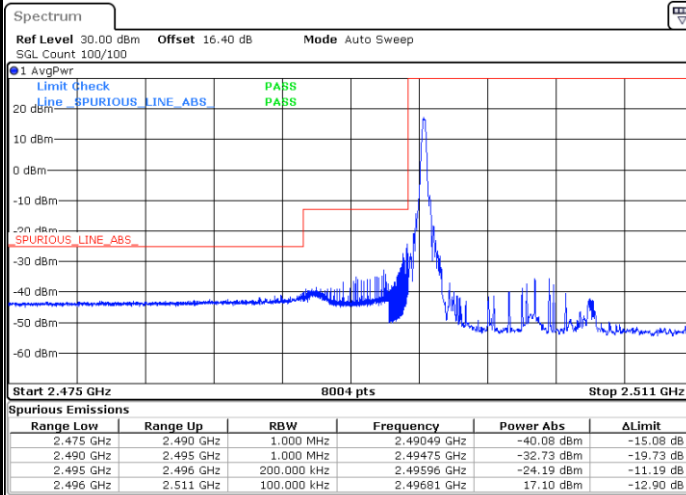


Date: 3 MAY 2021 18:11:28



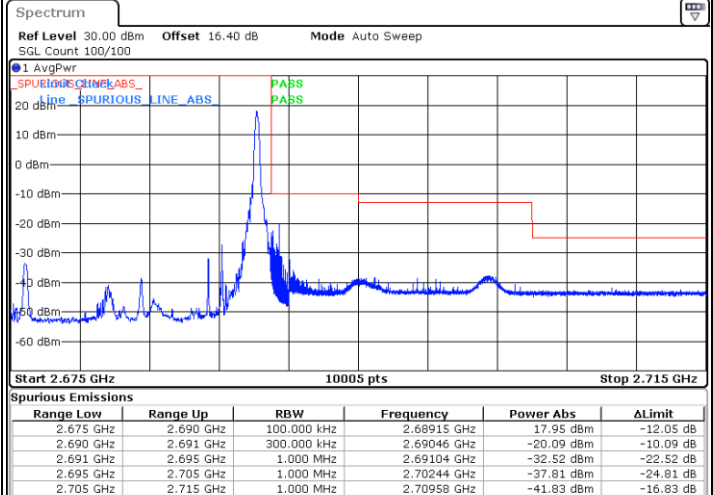
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



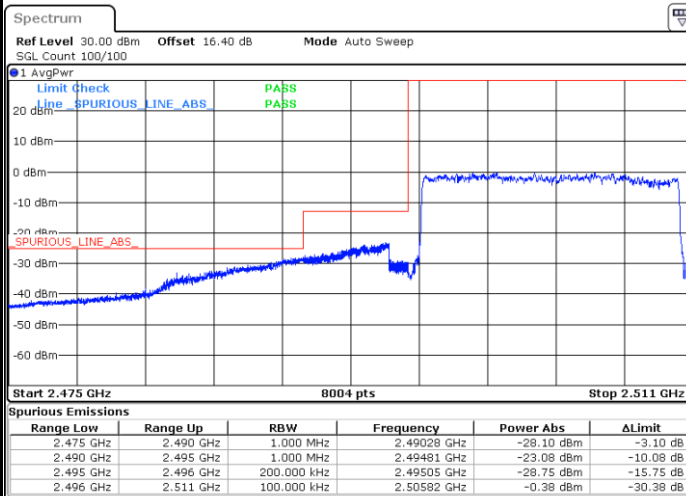
Date: 3 MAY 2021 18:15:09

Highest Band Edge / 1 RB



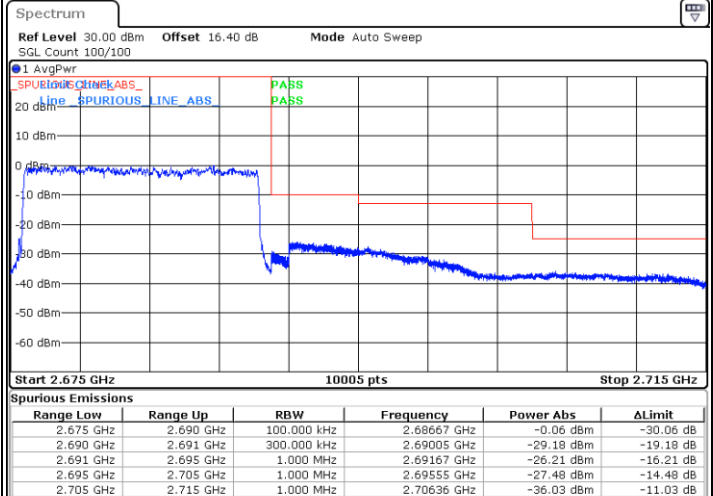
Date: 3 MAY 2021 18:18:05

Lowest Band Edge / Full RB



Date: 4 MAY 2021 10:07:40

Highest Band Edge / Full RB

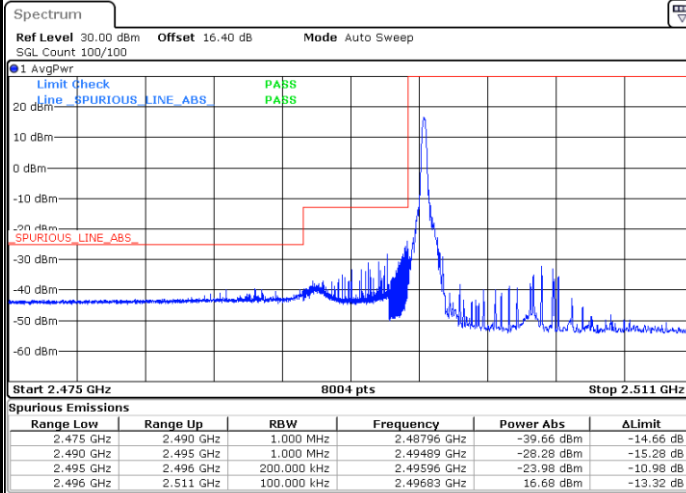


Date: 3 MAY 2021 18:19:34



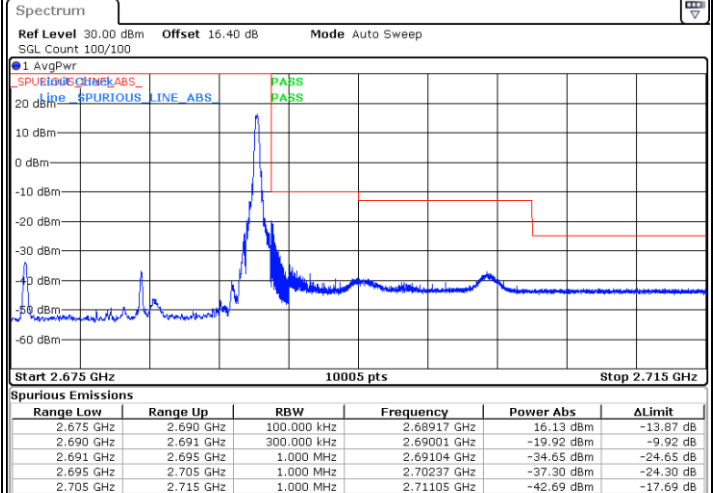
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



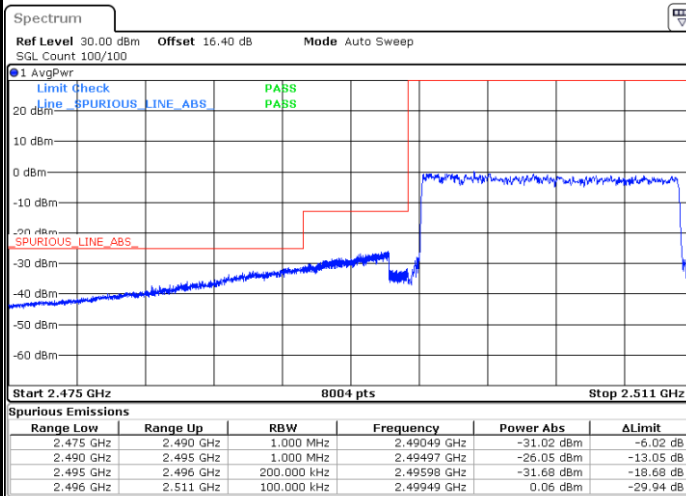
Date: 3 MAY 2021 18:15:53

Highest Band Edge / 1 RB



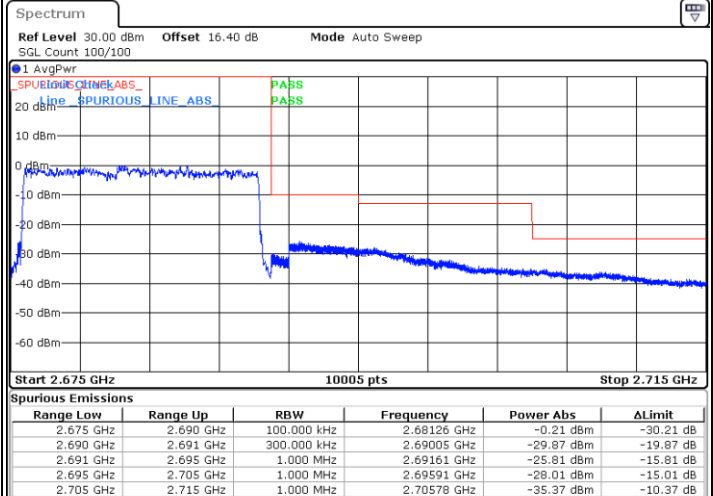
Date: 3 MAY 2021 18:18:50

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:47:48

Highest Band Edge / Full RB

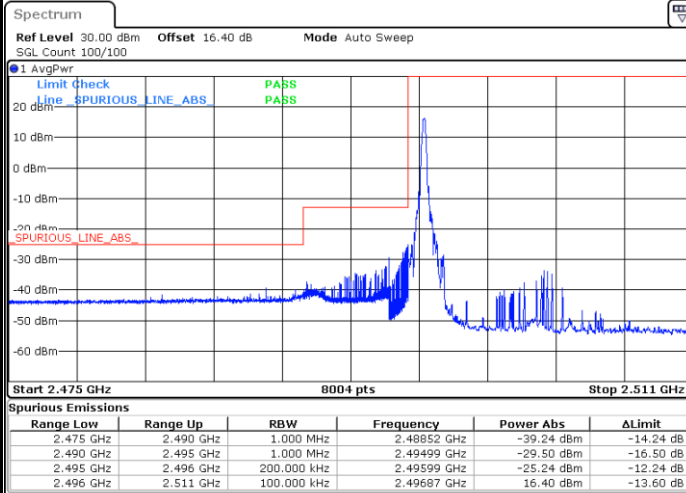


Date: 3 MAY 2021 18:20:18



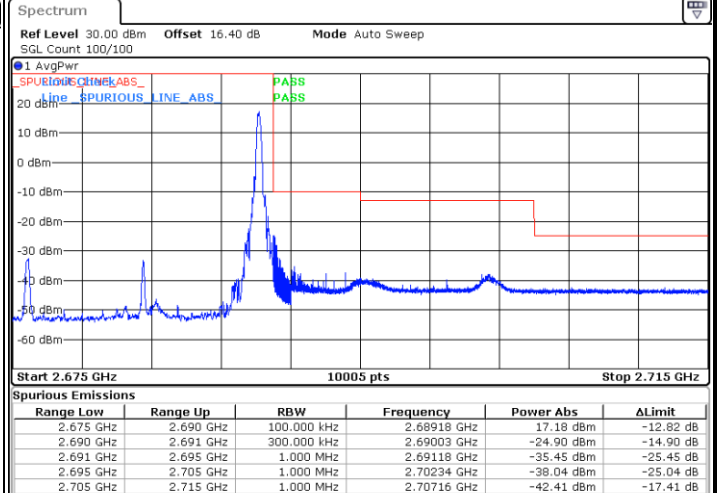
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



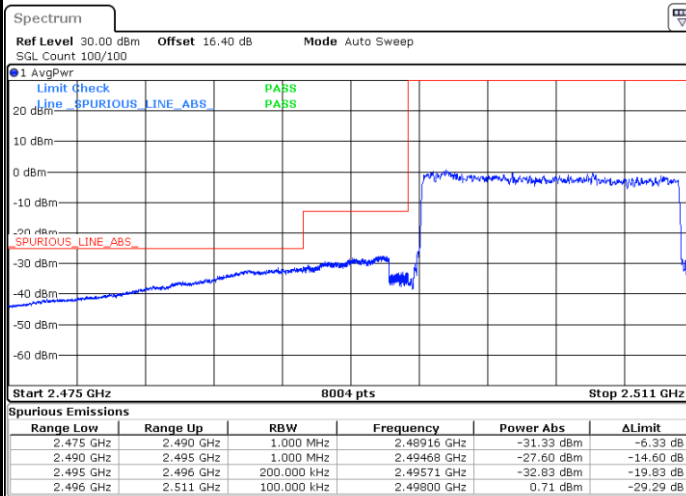
Date: 3 MAY 2021 18:12:13

Highest Band Edge / 1 RB



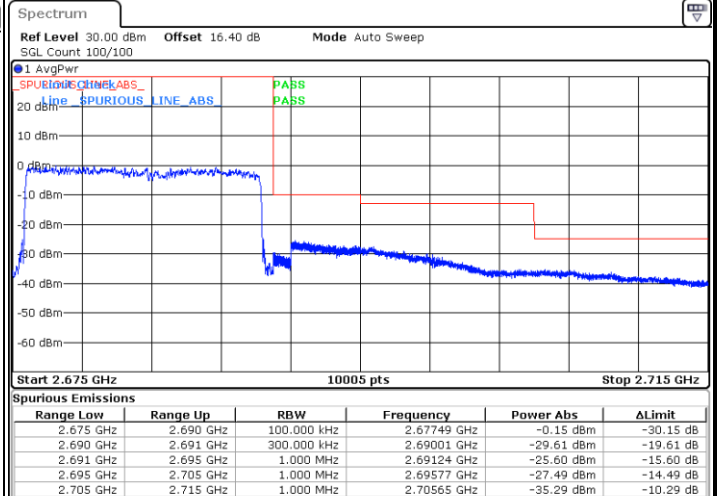
Date: 3 MAY 2021 18:13:41

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:51:52

Highest Band Edge / Full RB

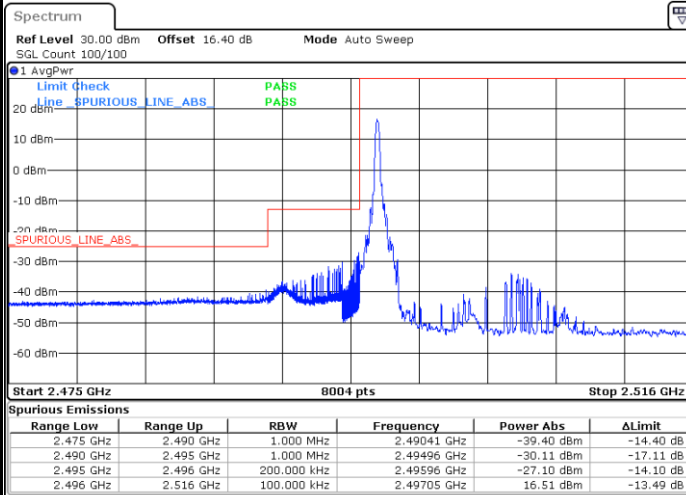


Date: 3 MAY 2021 18:14:25



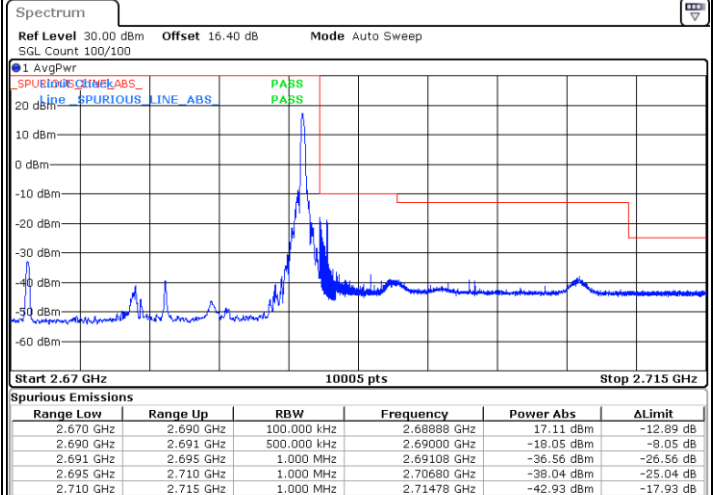
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



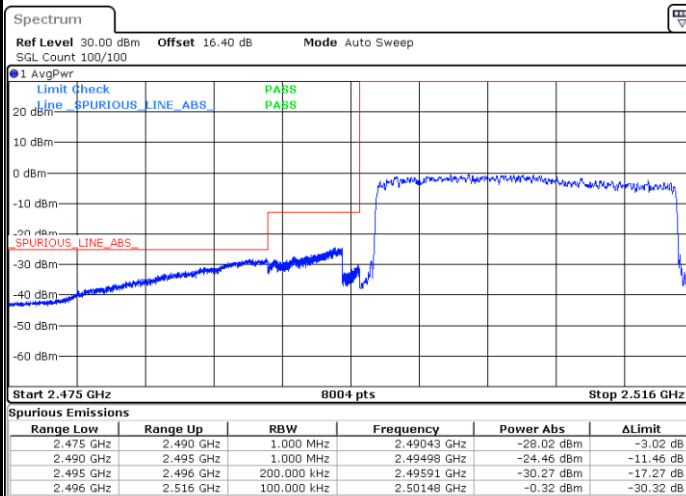
Date: 3 MAY 2021 18:21:03

Highest Band Edge / 1 RB



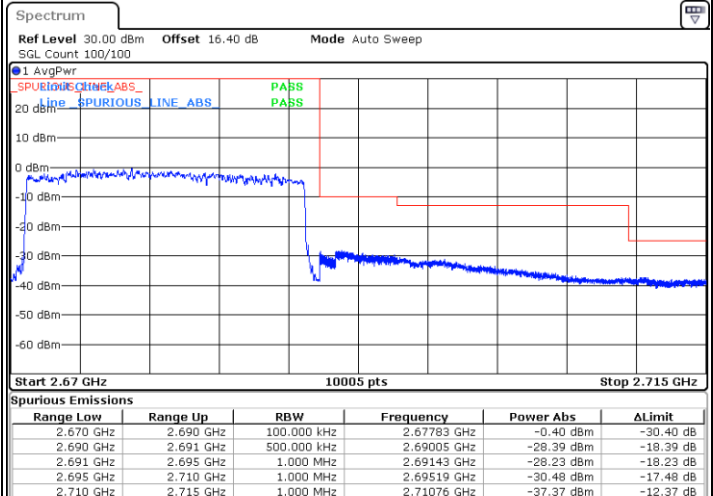
Date: 3 MAY 2021 18:23:59

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:22:31

Highest Band Edge / Full RB

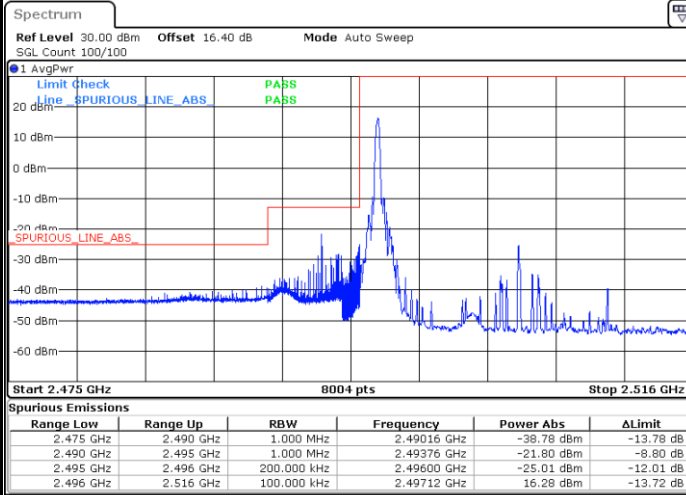


Date: 3 MAY 2021 18:26:11



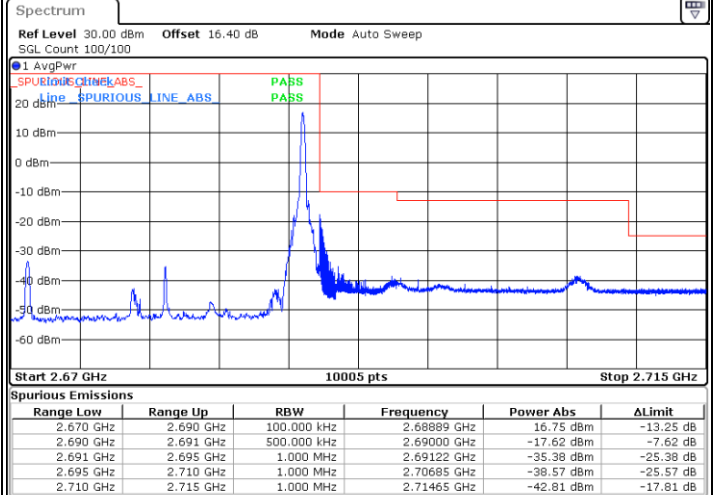
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



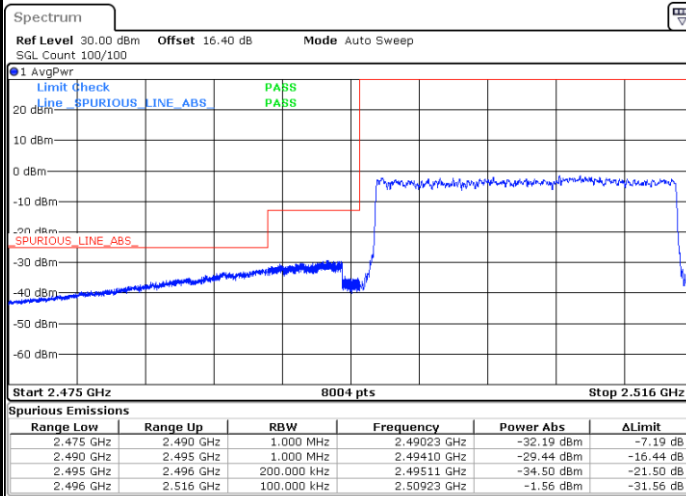
Date: 3 MAY 2021 18:21:47

Highest Band Edge / 1 RB



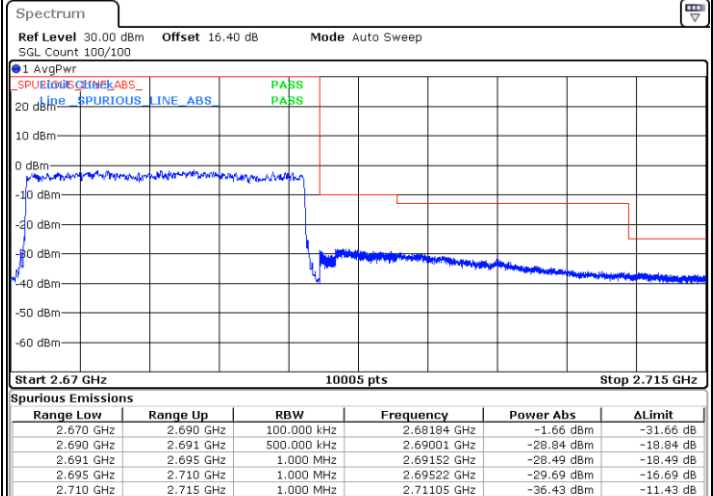
Date: 3 MAY 2021 18:24:44

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:23:15

Highest Band Edge / Full RB

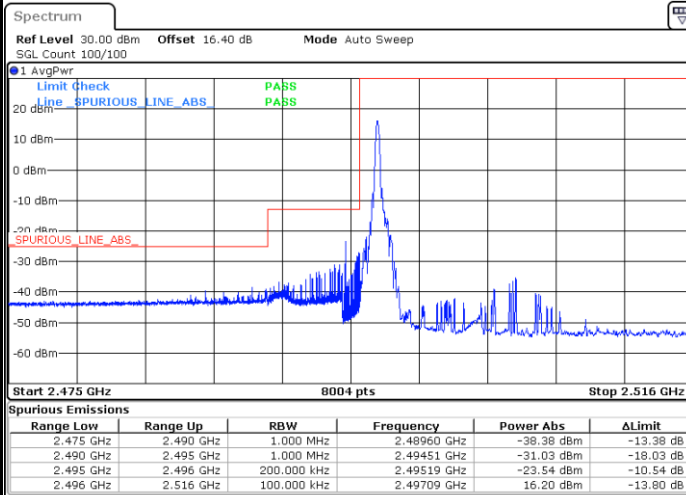


Date: 3 MAY 2021 18:25:28



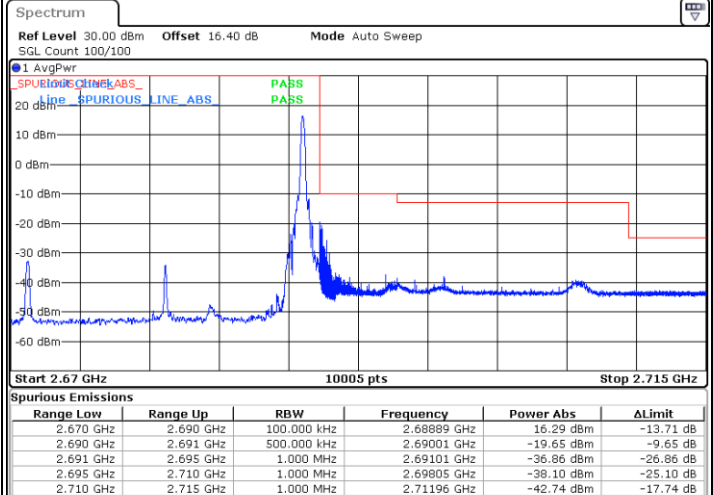
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



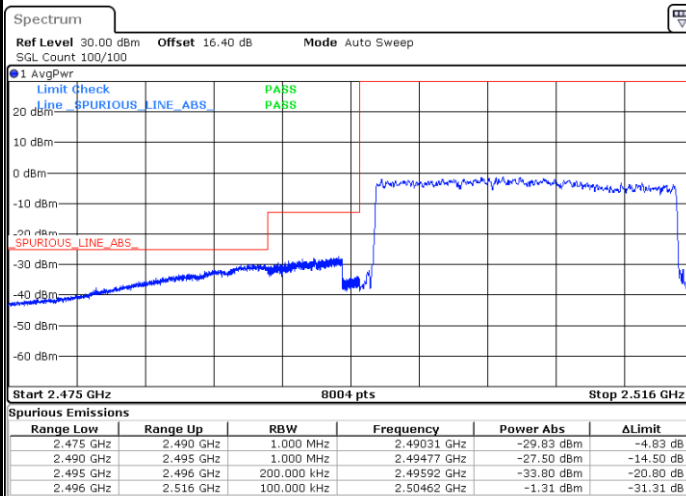
Date: 3 MAY 2021 18:26:56

Highest Band Edge / 1 RB



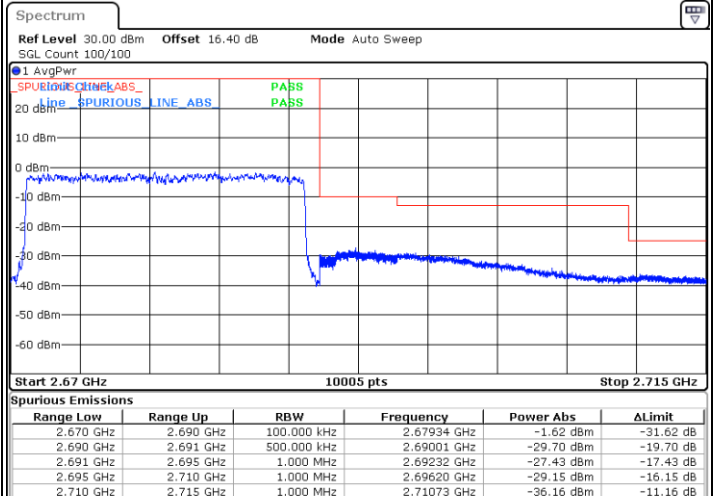
Date: 3 MAY 2021 18:28:24

Lowest Band Edge / Full RB



Date: 3 MAY 2021 18:27:40

Highest Band Edge / Full RB



Date: 3 MAY 2021 18:29:08