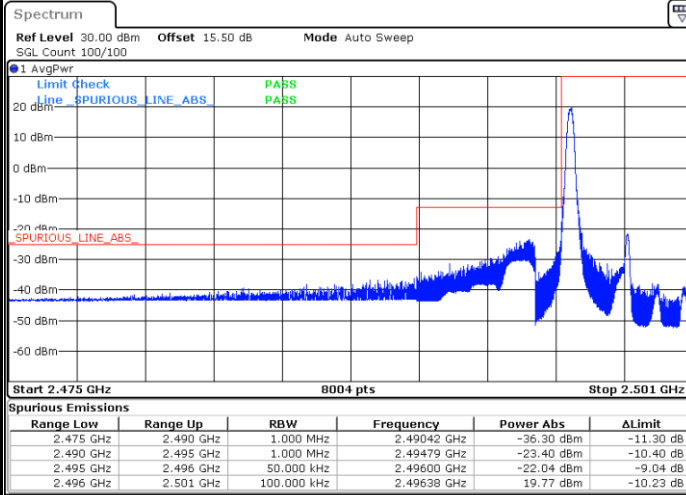


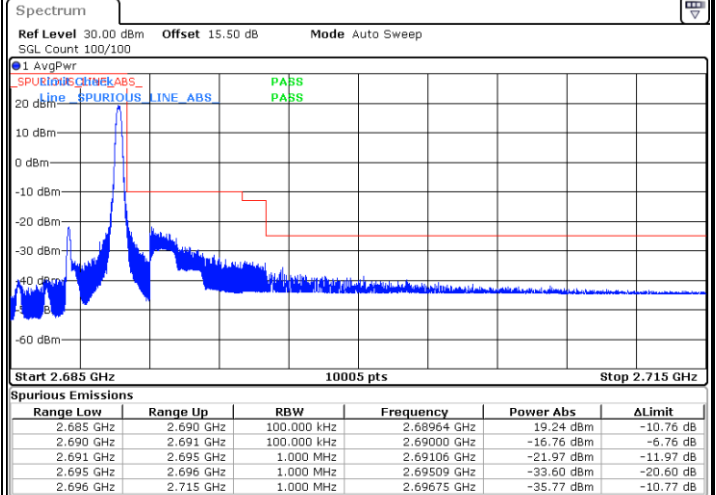


LTE Band 41 / 5MHz / 256QAM

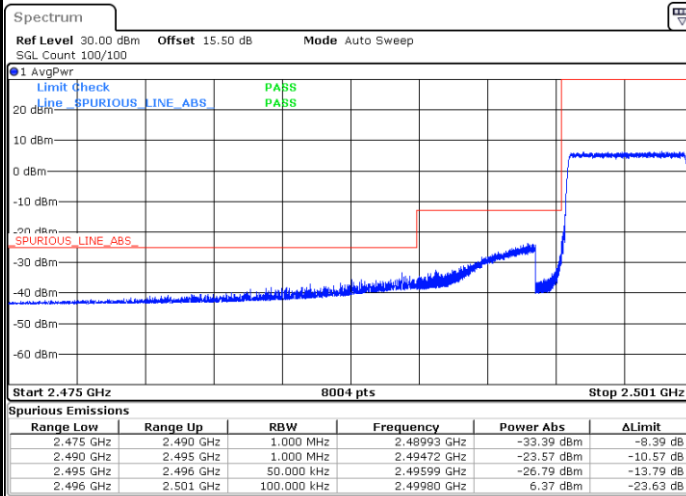
Lowest Band Edge / 1RB



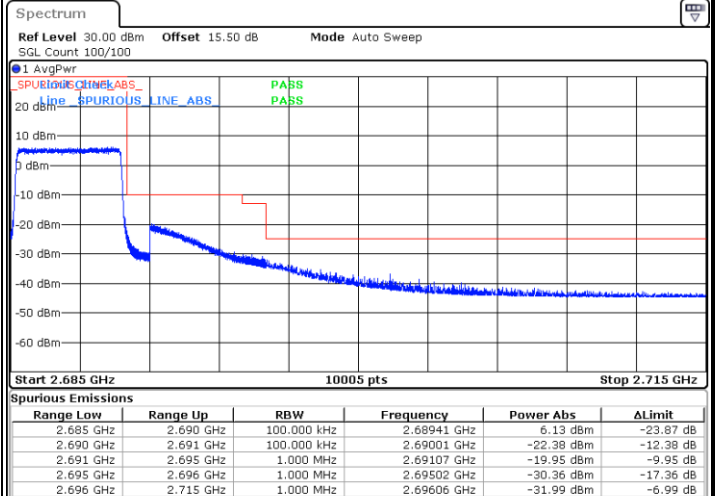
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



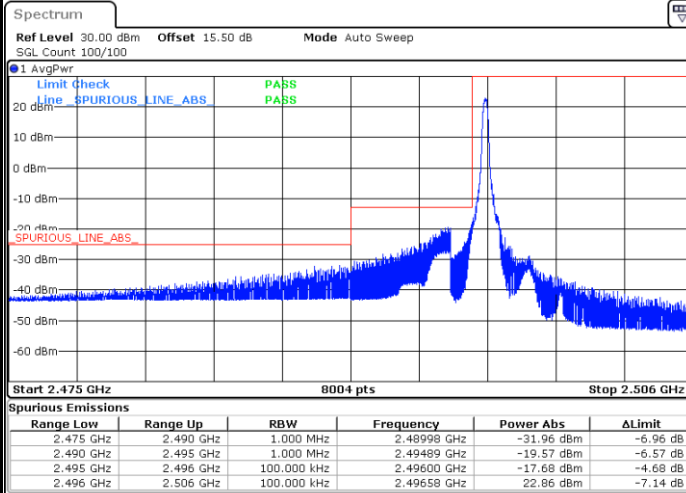
Highest Band Edge / Full RB



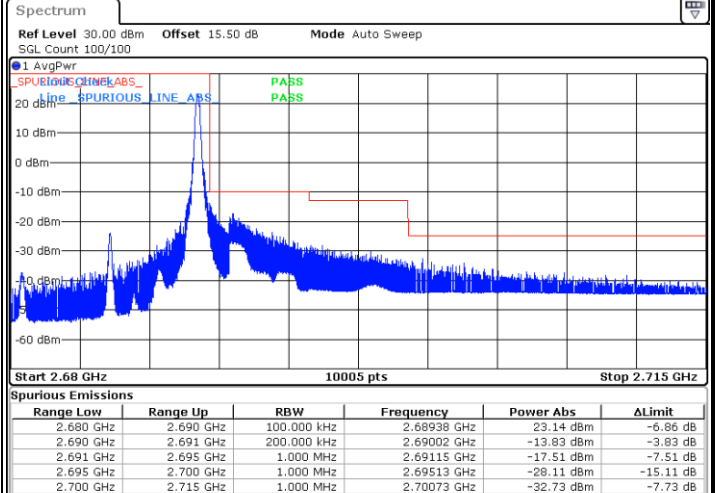


LTE Band 41 / 10MHz / QPSK

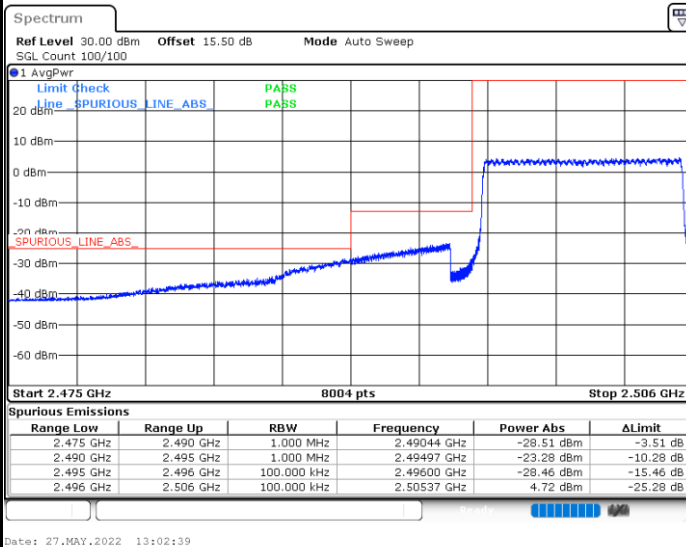
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

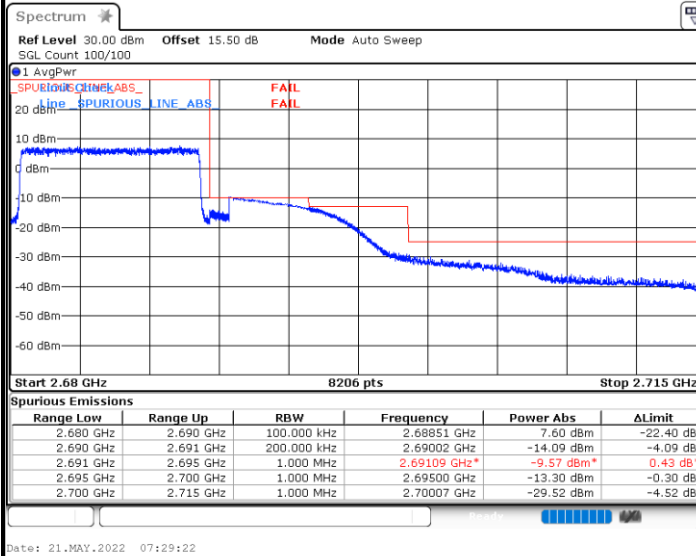


N/A

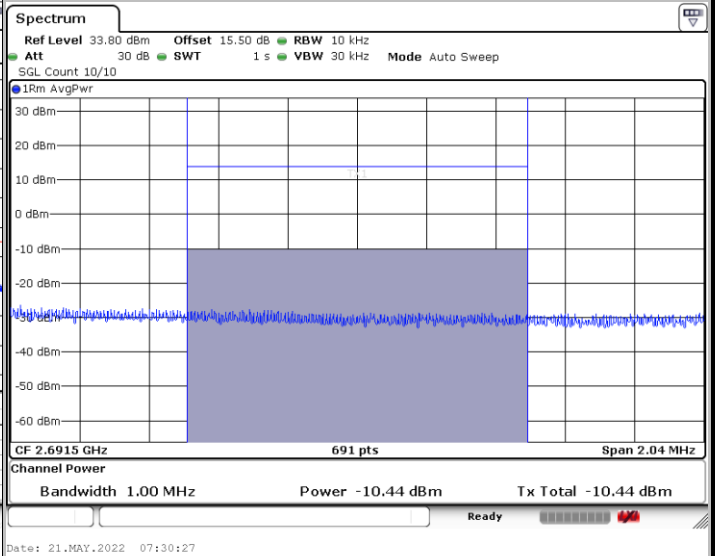


LTE Band 41 / 10MHz / QPSK

Highest Band Edge / Full RB



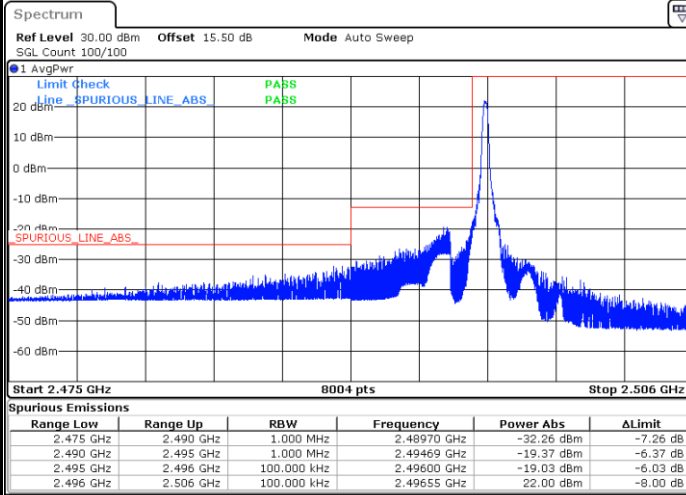
Verify





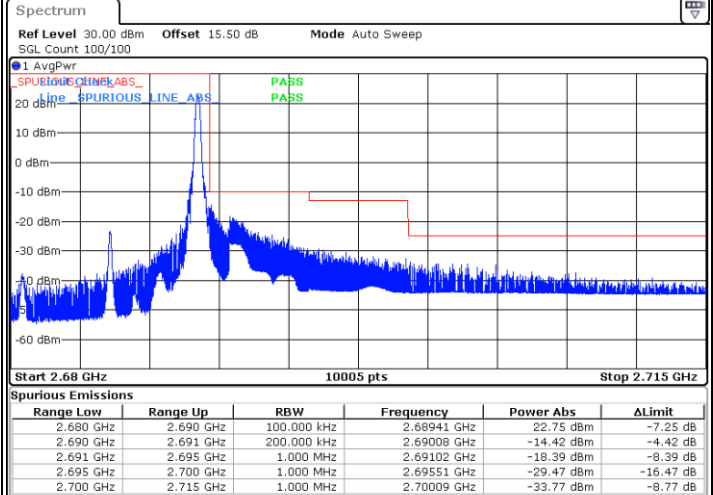
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



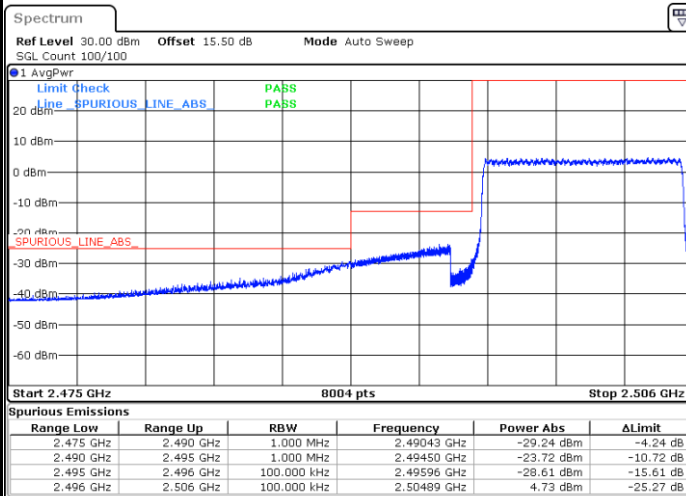
Date: 21.MAY.2022 05:35:20

Highest Band Edge / 1 RB



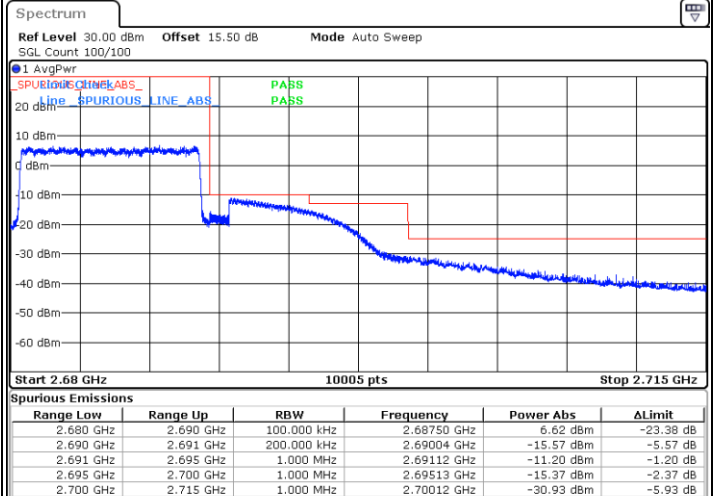
Date: 21.MAY.2022 05:39:57

Lowest Band Edge / Full RB



Date: 27.MAY.2022 13:04:46

Highest Band Edge / Full RB

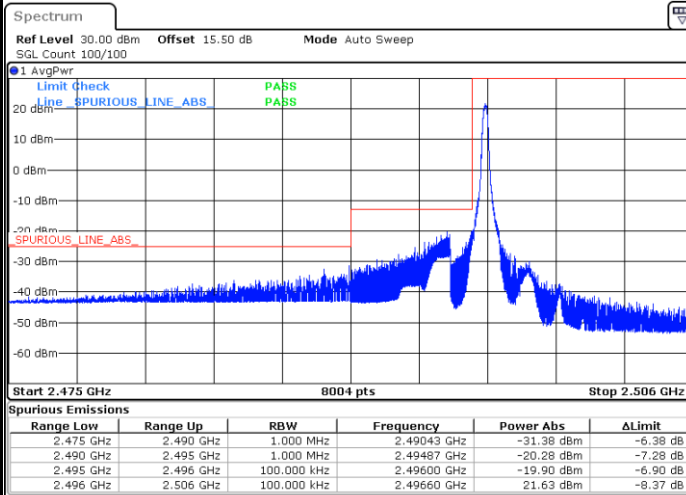


Date: 21.MAY.2022 05:42:15



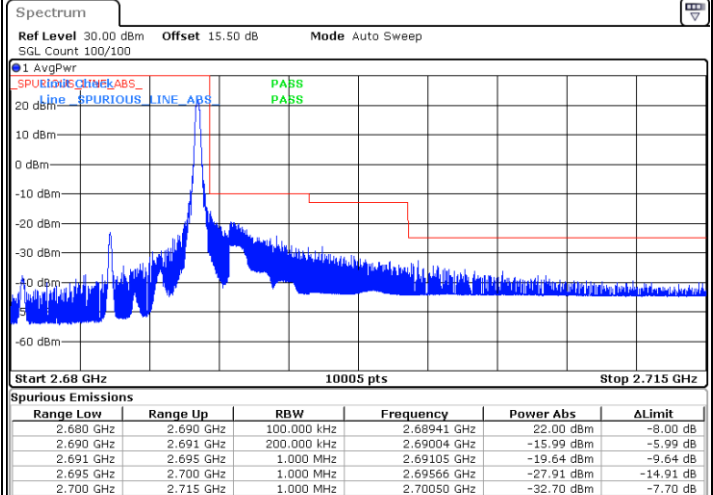
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



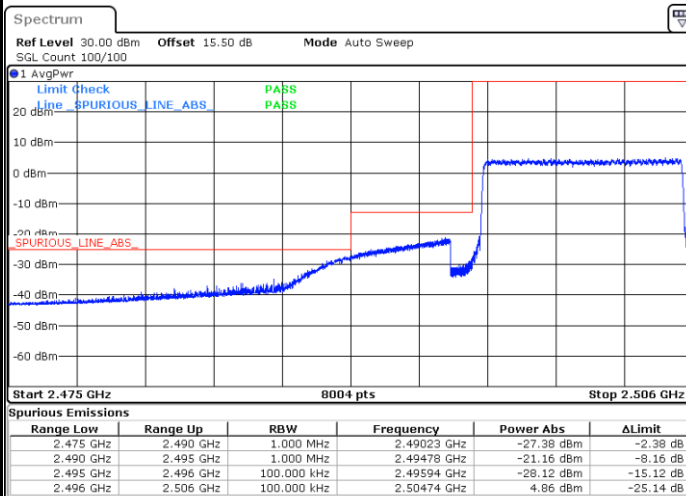
Date: 21.MAY.2022 05:43:25

Highest Band Edge / 1 RB



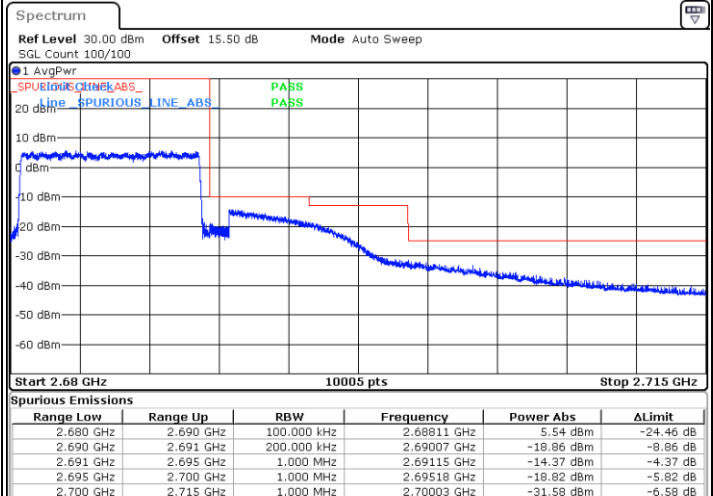
Date: 21.MAY.2022 05:45:43

Lowest Band Edge / Full RB



Date: 21.MAY.2022 05:44:34

Highest Band Edge / Full RB

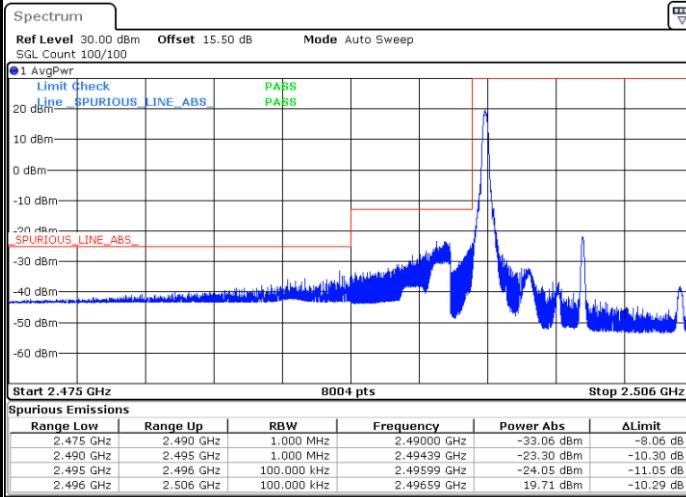


Date: 21.MAY.2022 05:46:52



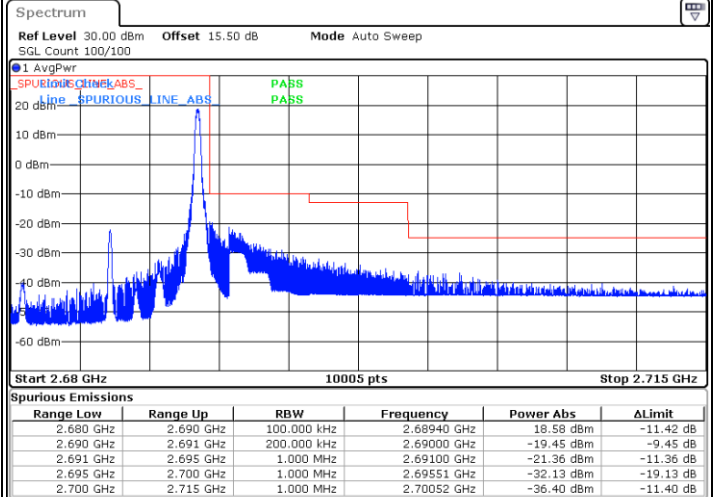
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



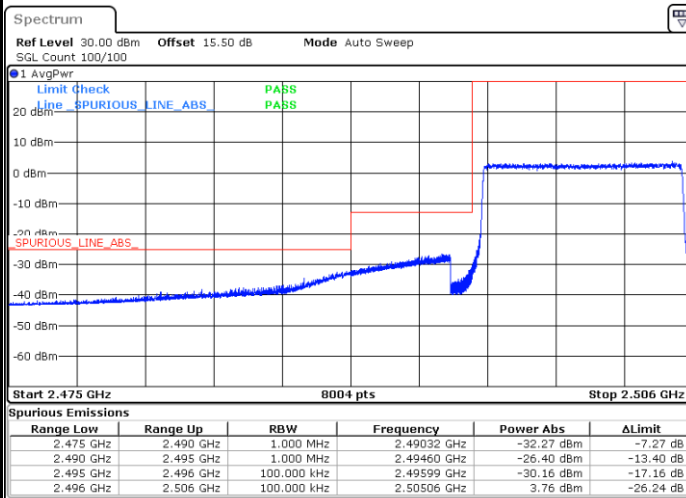
Date: 21.MAY.2022 06:32:30

Highest Band Edge / 1 RB



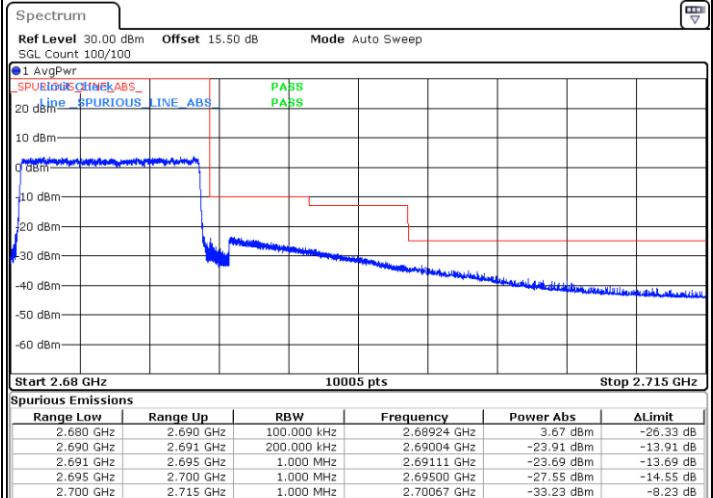
Date: 21.MAY.2022 06:35:54

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:34:42

Highest Band Edge / Full RB

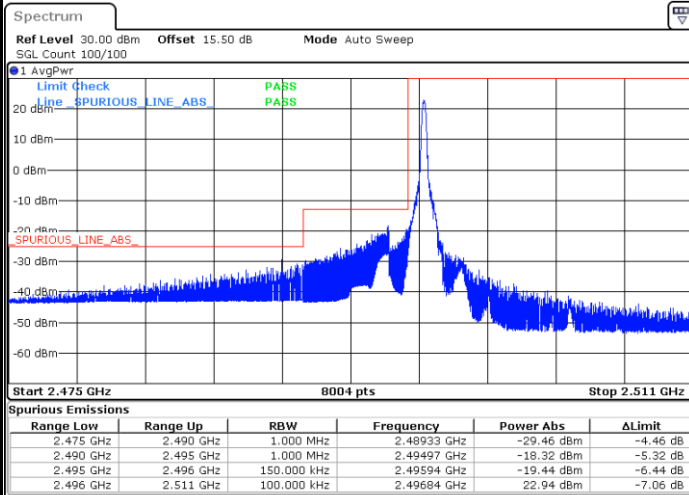


Date: 21.MAY.2022 06:37:06



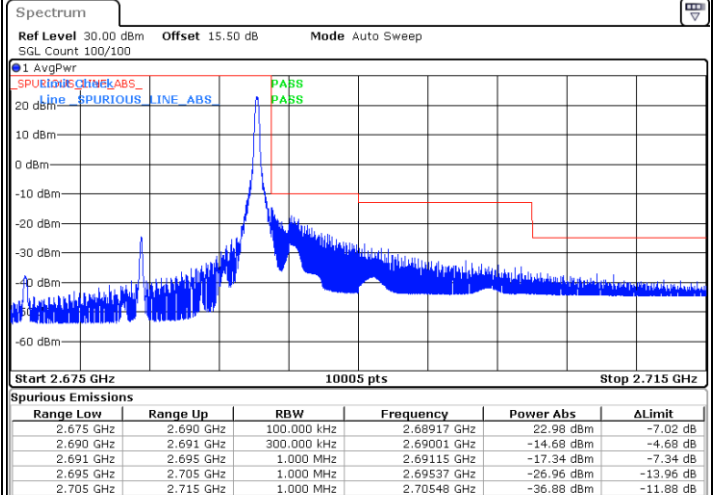
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



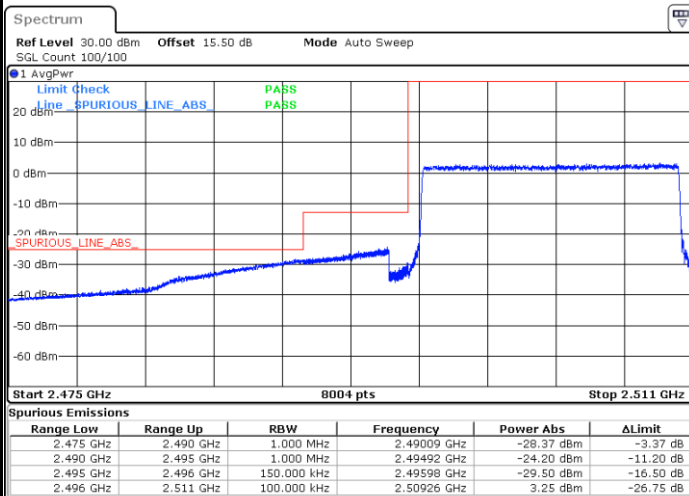
Date: 21.MAY.2022 05:56:37

Highest Band Edge / 1 RB



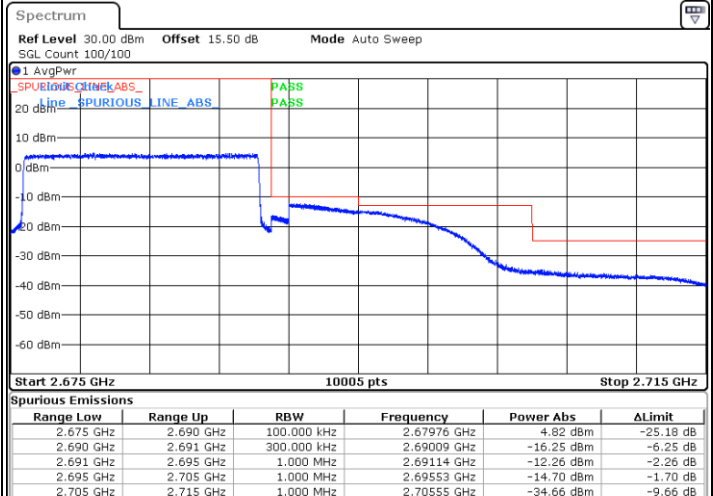
Date: 21.MAY.2022 06:01:14

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:50:31

Highest Band Edge / Full RB

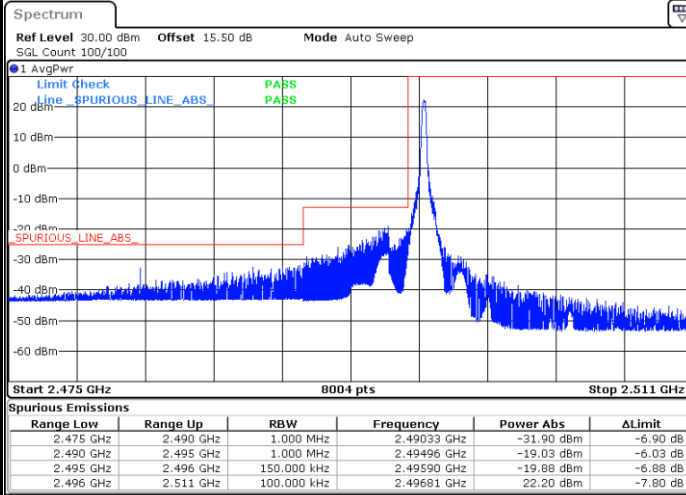


Date: 21.MAY.2022 06:03:32

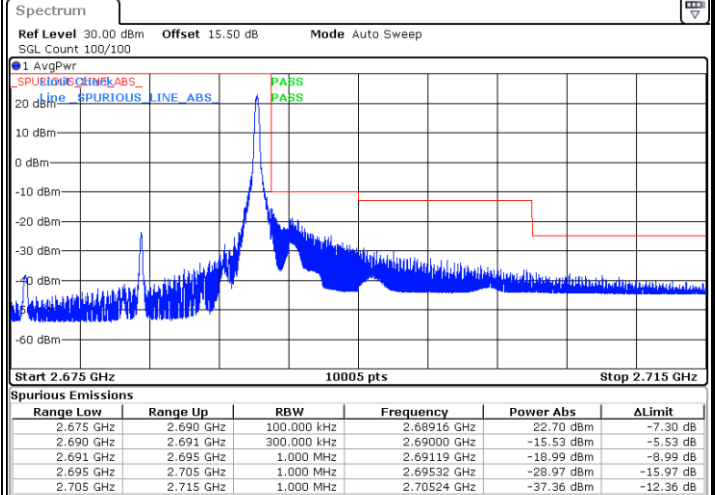


LTE Band 41 / 15MHz / 16QAM

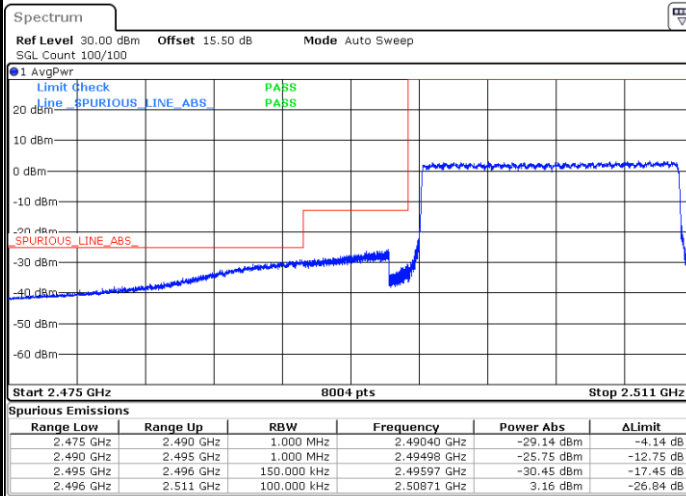
Lowest Band Edge / 1 RB



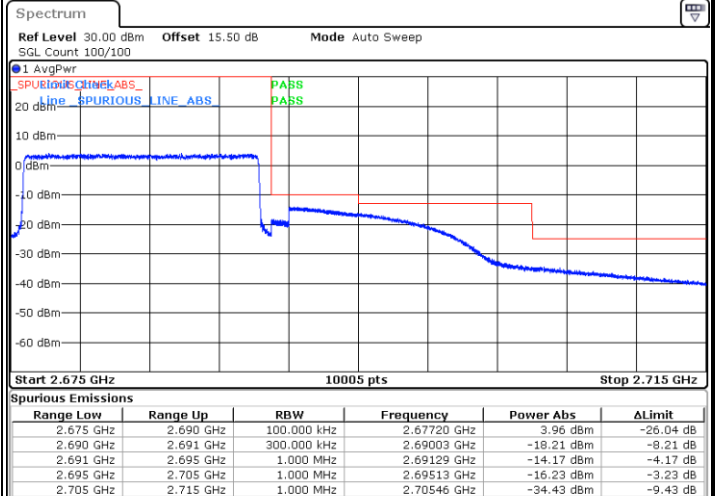
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



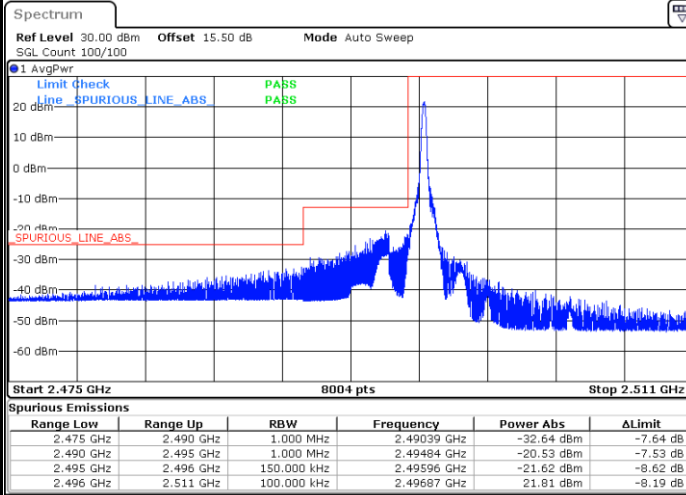
Highest Band Edge / Full RB



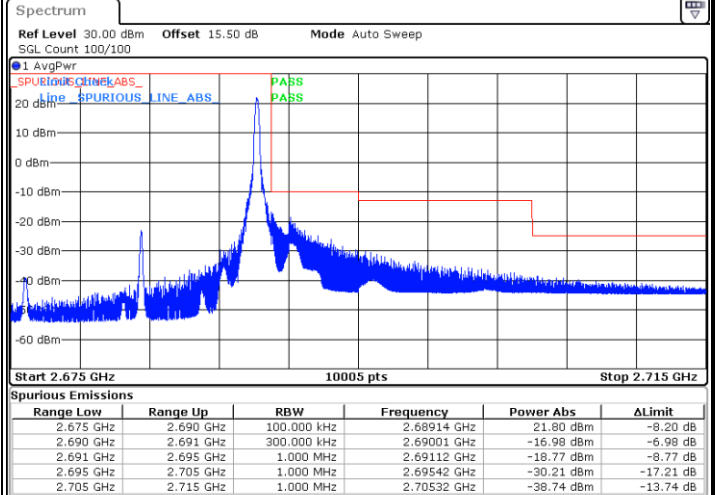


LTE Band 41 / 15MHz / 64QAM

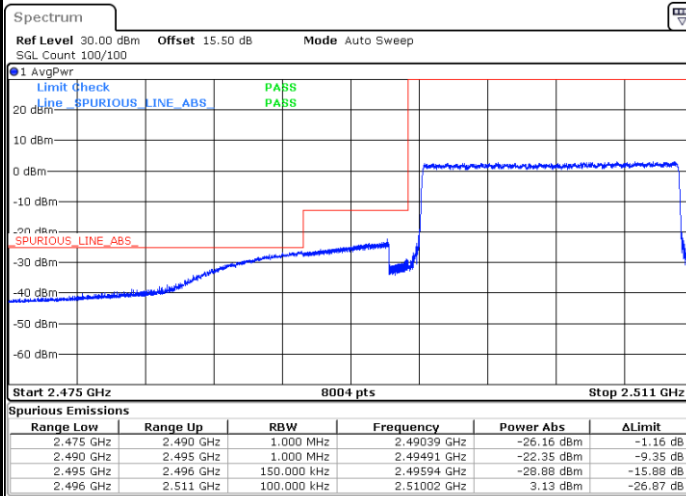
Lowest Band Edge / 1 RB



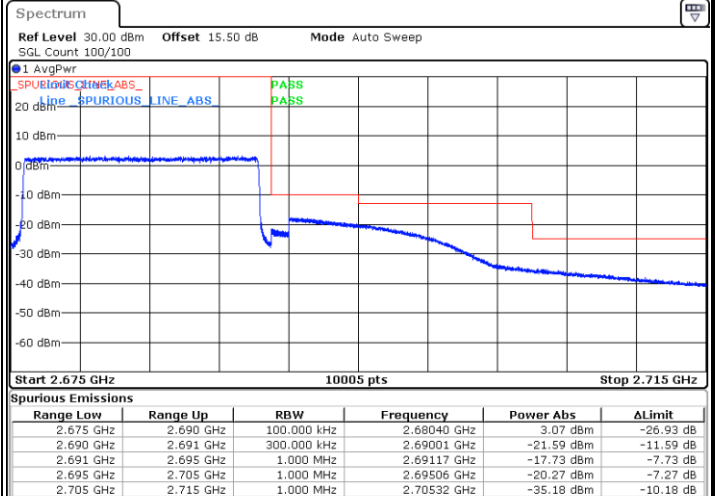
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



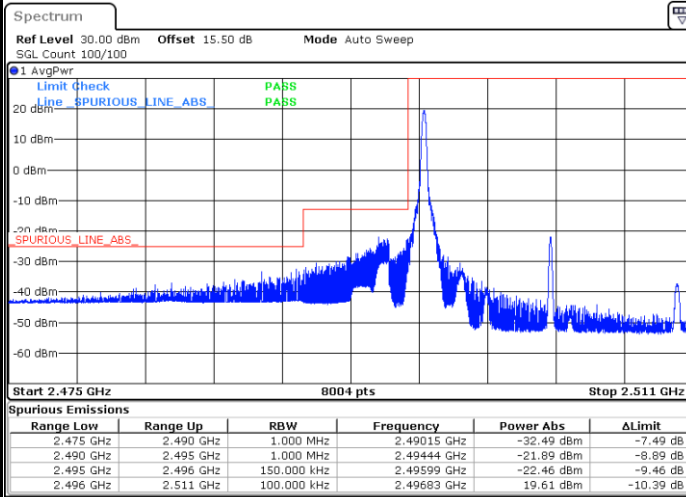
Highest Band Edge / Full RB





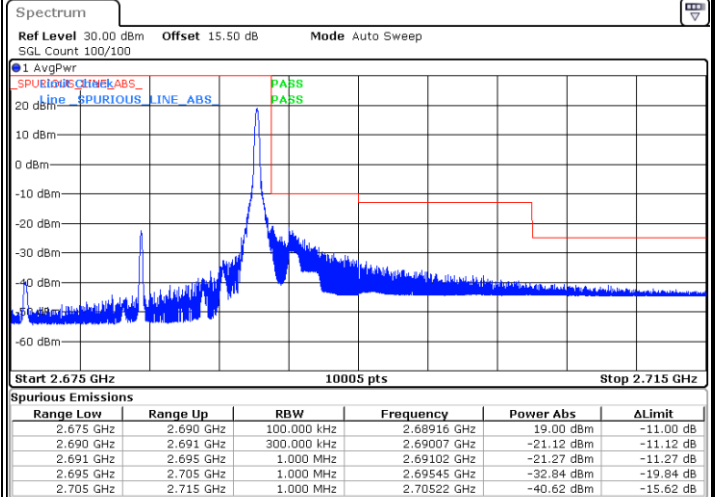
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



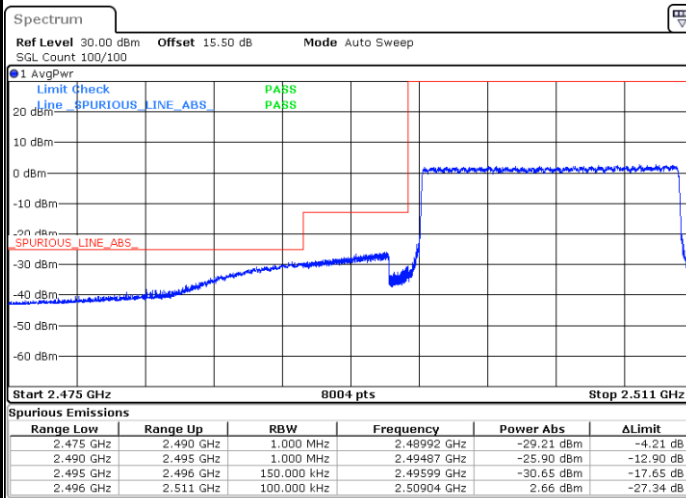
Date: 21.MAY.2022 06:38:21

Highest Band Edge / 1 RB



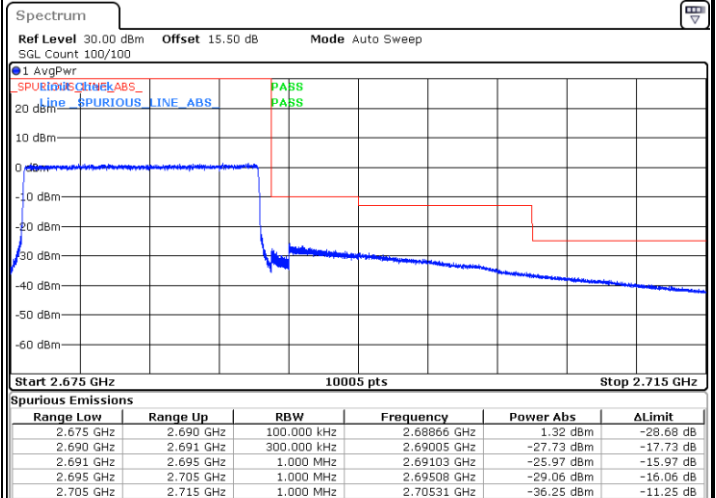
Date: 21.MAY.2022 06:40:44

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:39:33

Highest Band Edge / Full RB

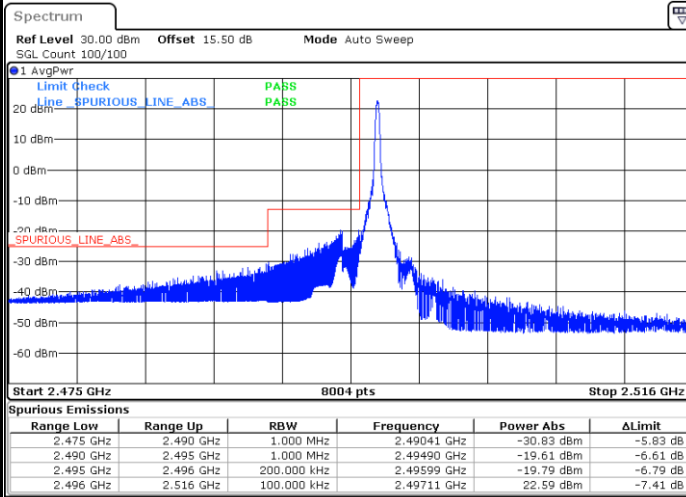


Date: 21.MAY.2022 06:41:57

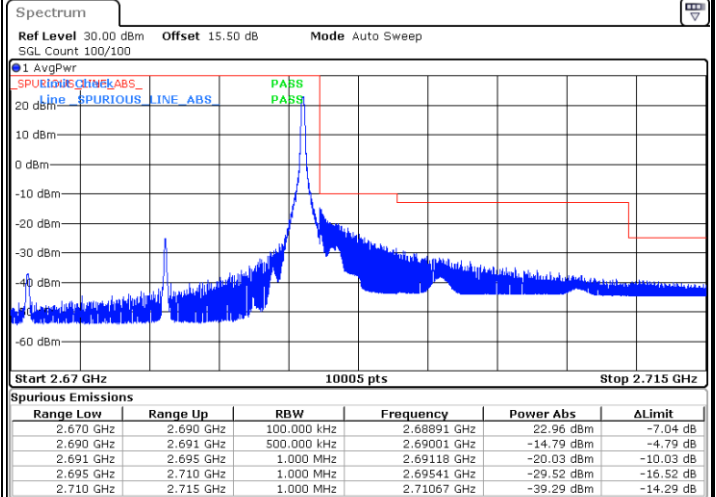


LTE Band 41 / 20MHz / QPSK

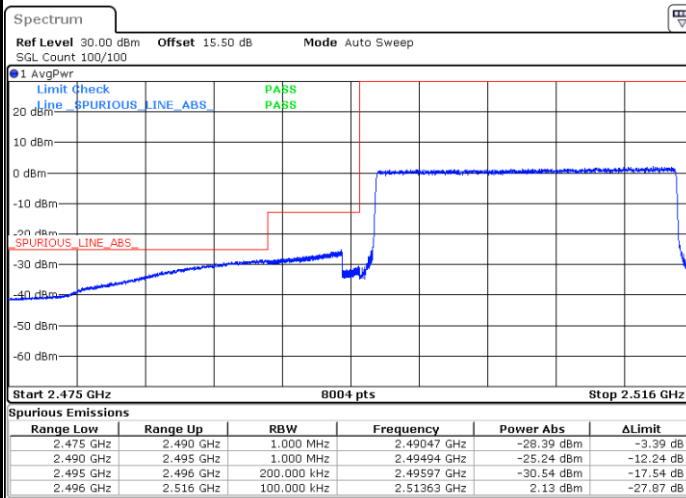
Lowest Band Edge / 1 RB



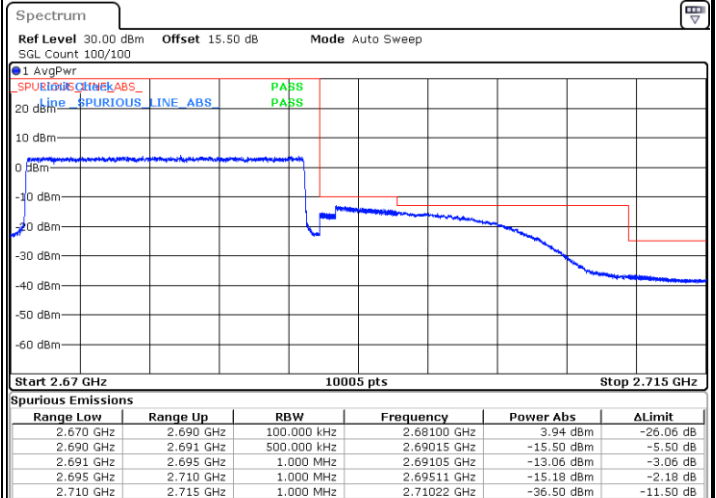
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



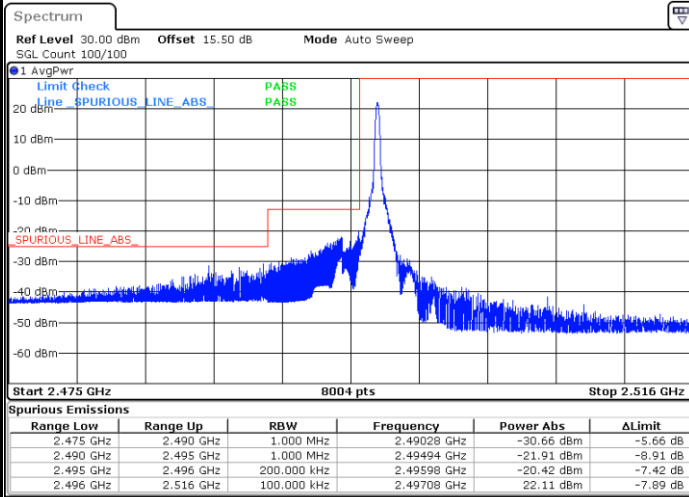
Highest Band Edge / Full RB





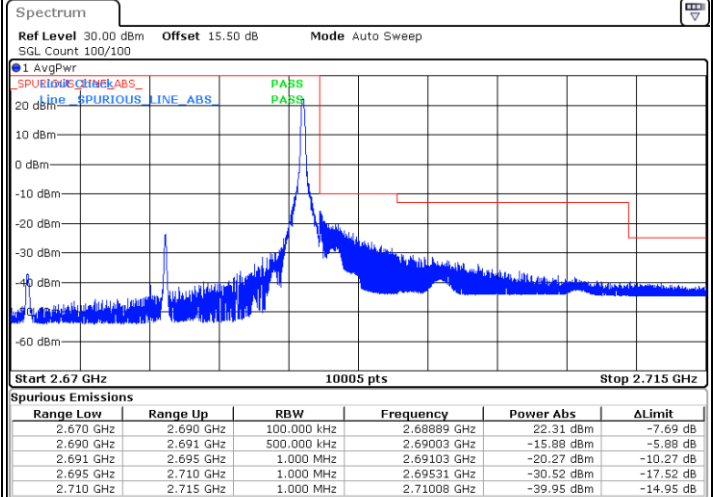
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



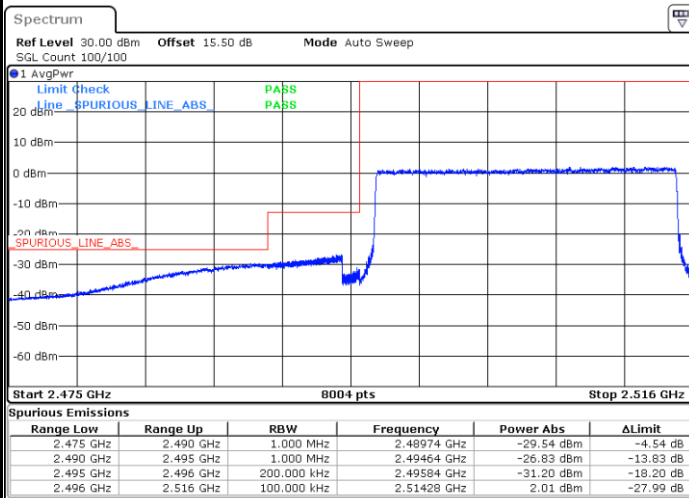
Date: 21.MAY.2022 06:10:58

Highest Band Edge / 1 RB



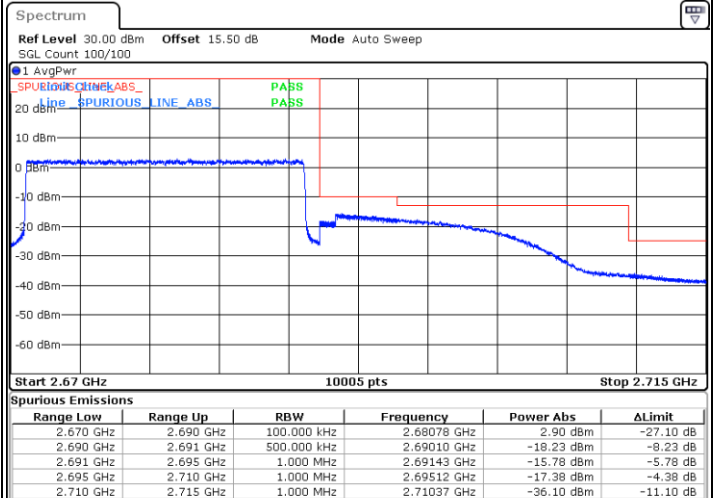
Date: 21.MAY.2022 06:15:34

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:57:08

Highest Band Edge / Full RB

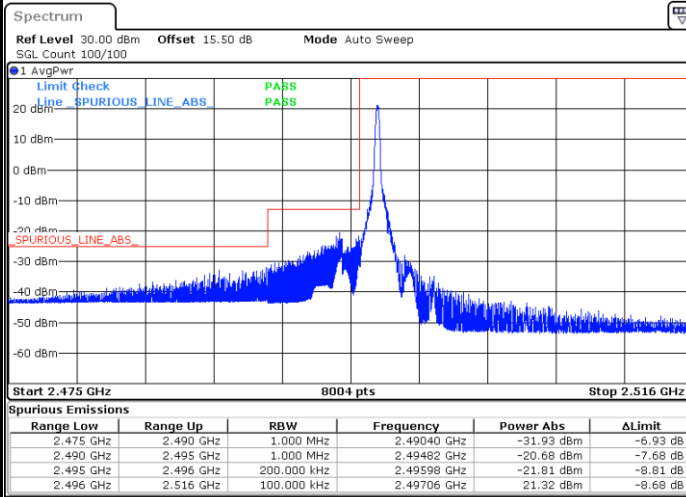


Date: 21.MAY.2022 06:16:43

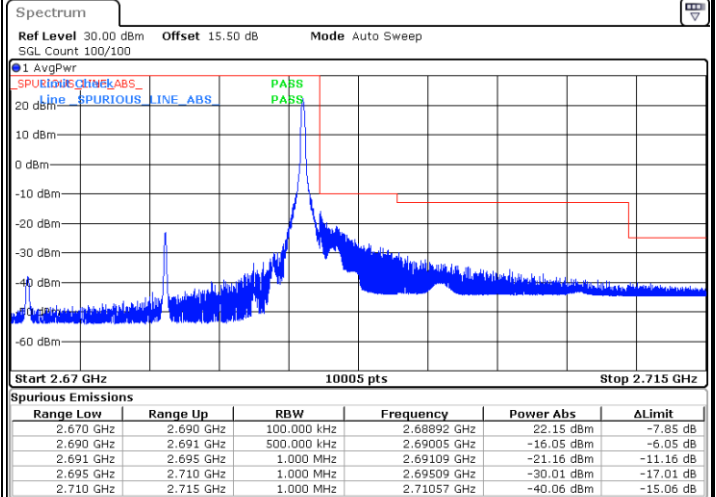


LTE Band 41 / 20MHz / 64QAM

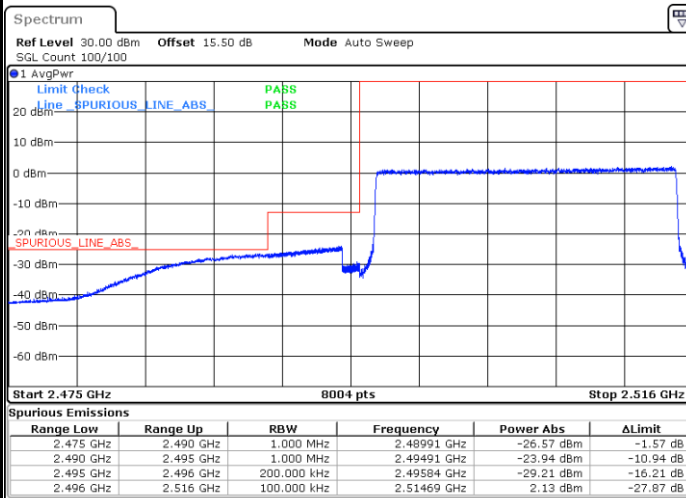
Lowest Band Edge / 1 RB



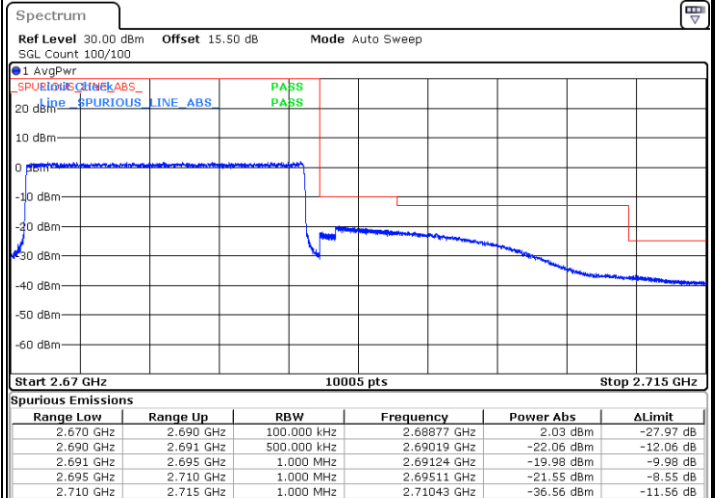
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



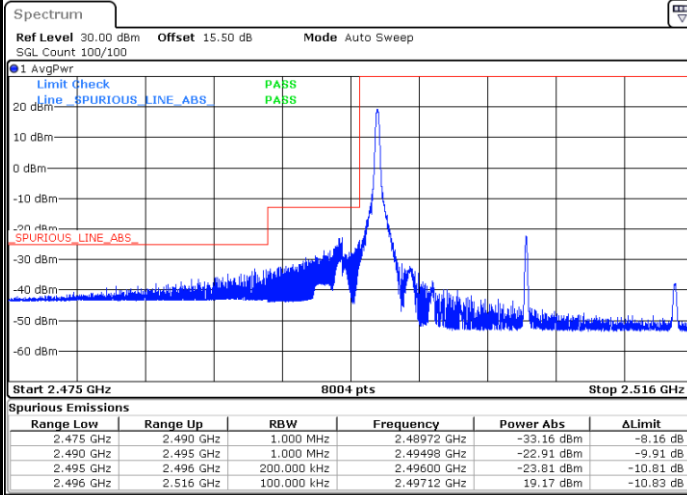
Highest Band Edge / Full RB



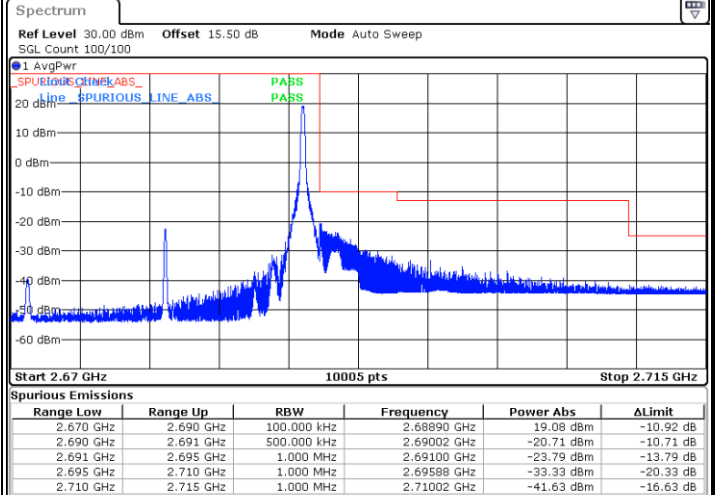


LTE Band 41 / 20MHz / 256QAM

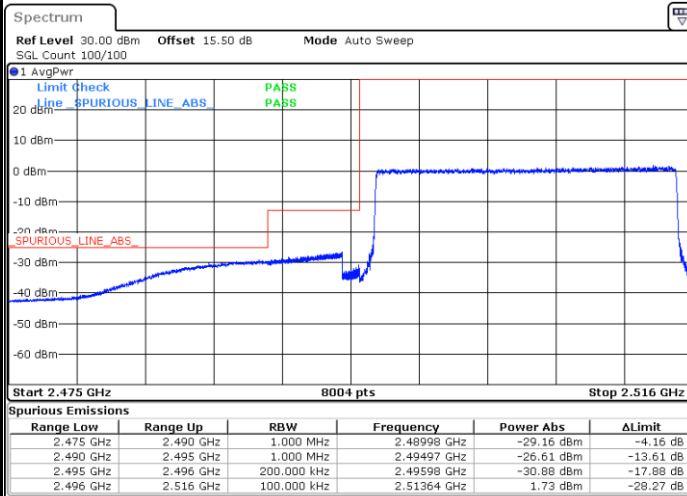
Lowest Band Edge / 1 RB



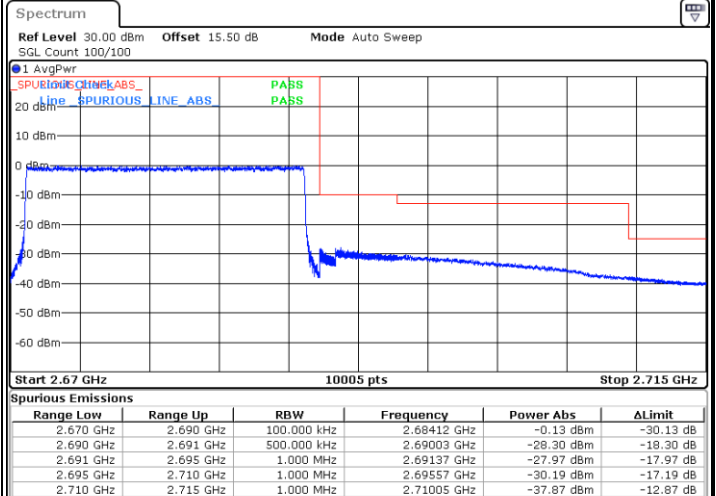
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



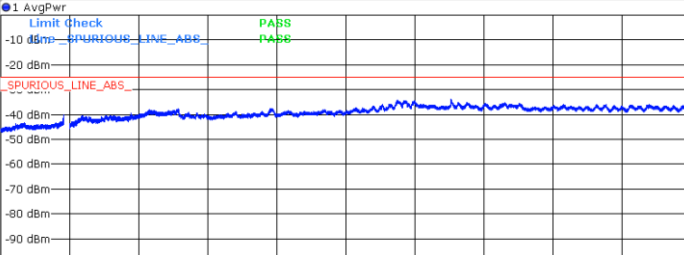


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 15.50 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 56008 pts Stop 27.0 GHz

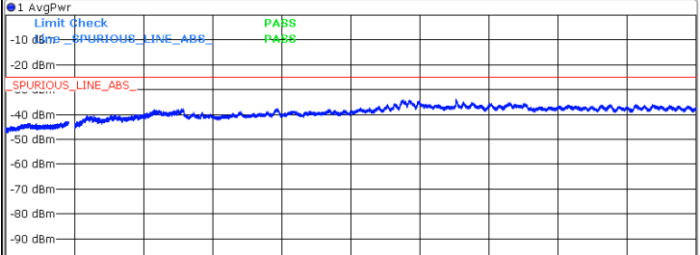
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-43.40 dBm	-18.40 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47297 GHz	-40.10 dBm	-15.10 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97529 GHz	-42.36 dBm	-17.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96825 GHz	-37.70 dBm	-12.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.19988 GHz	-38.90 dBm	-13.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89026 GHz	-37.36 dBm	-12.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.61330 GHz	-33.90 dBm	-8.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71865 GHz	-35.12 dBm	-10.12 dB

Date: 21.MAY.2022 05:30:20

Middle Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 15.50 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 56008 pts Stop 27.0 GHz

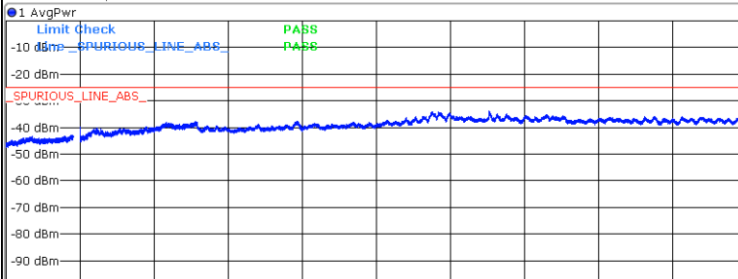
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-43.54 dBm	-18.54 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-42.87 dBm	-17.87 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96973 GHz	-42.63 dBm	-17.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-37.70 dBm	-12.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.21988 GHz	-38.86 dBm	-13.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90176 GHz	-37.19 dBm	-12.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.61230 GHz	-33.67 dBm	-8.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.25624 GHz	-35.08 dBm	-10.08 dB

Date: 21.MAY.2022 05:31:39

Highest Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 15.50 dB Mode Auto Sweep
SGL Count 100/100

Start 30.0 MHz 56008 pts Stop 27.0 GHz

Spurious Emissions

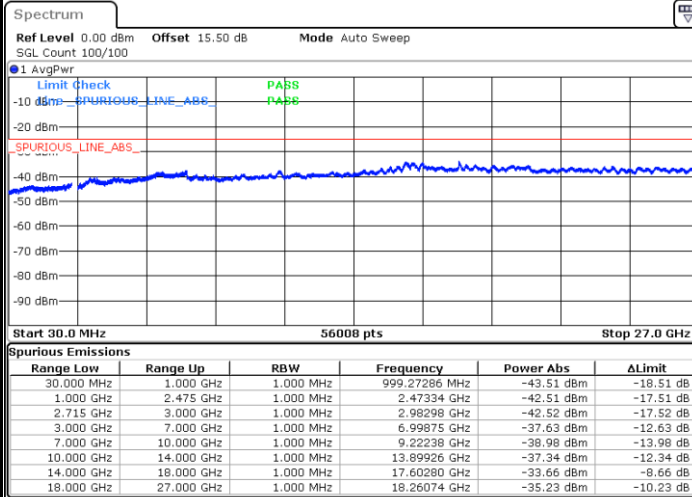
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-43.48 dBm	-18.48 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.43795 GHz	-42.96 dBm	-17.96 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71550 GHz	-39.67 dBm	-14.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91026 GHz	-37.68 dBm	-12.68 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.19988 GHz	-38.91 dBm	-13.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90976 GHz	-37.31 dBm	-12.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.61030 GHz	-33.69 dBm	-8.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24624 GHz	-34.95 dBm	-9.95 dB

Date: 21.MAY.2022 05:32:56



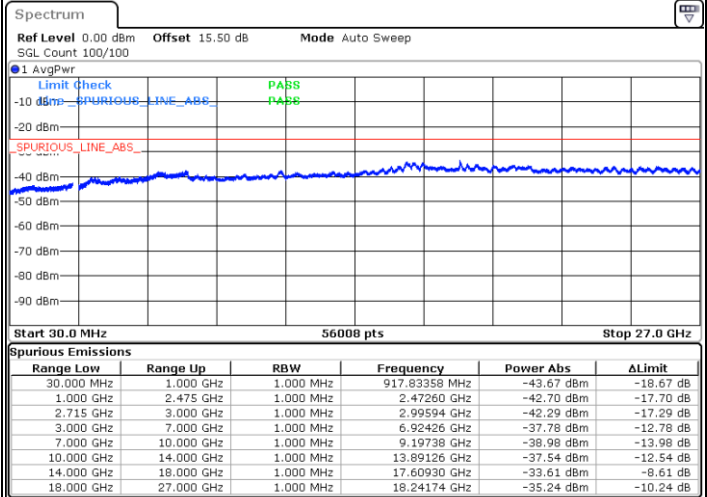
LTE Band 41 / 10MHz

Lowest Channel / QPSK



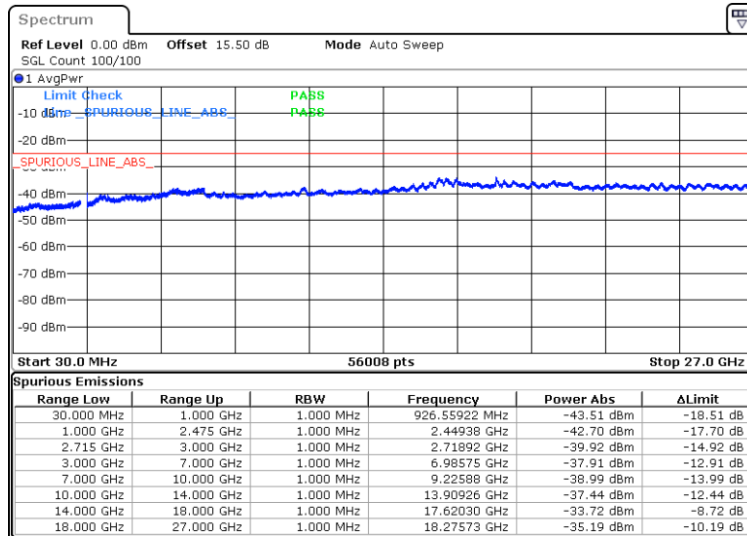
Date: 21.MAY.2022 05:48:10

Middle Channel / QPSK



Date: 21.MAY.2022 05:49:28

Highest Channel / QPSK

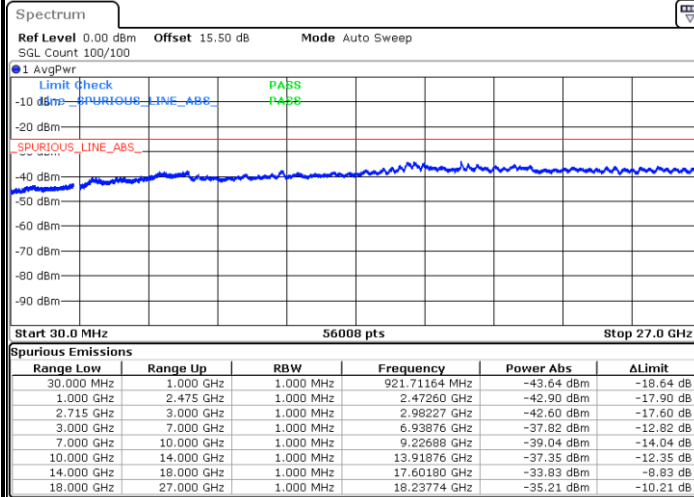


Date: 21.MAY.2022 05:50:46



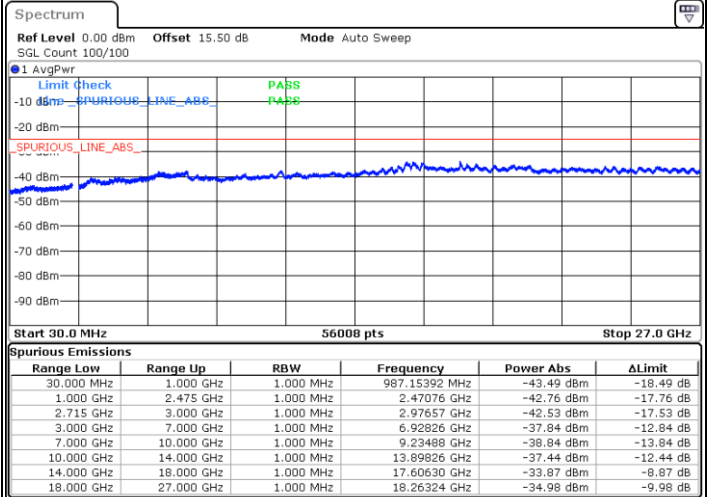
LTE Band 41 / 15MHz

Lowest Channel / QPSK



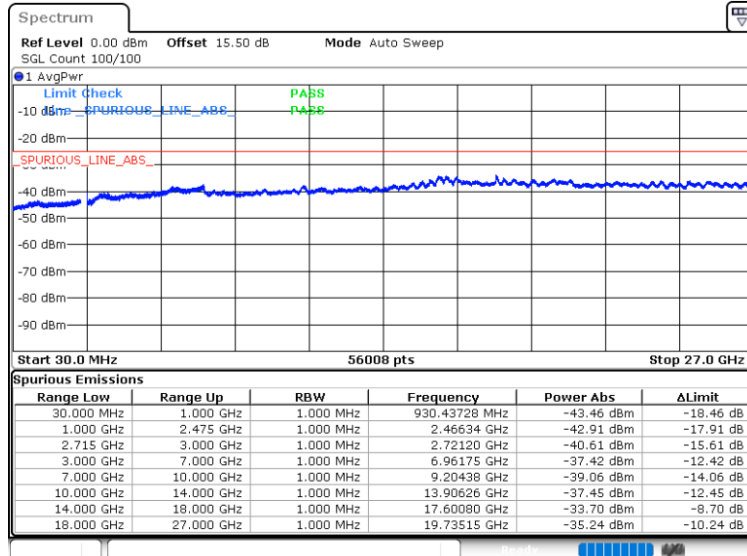
Date: 21.MAY.2022 06:05:59

Middle Channel / QPSK



Date: 21.MAY.2022 06:07:16

Highest Channel / QPSK



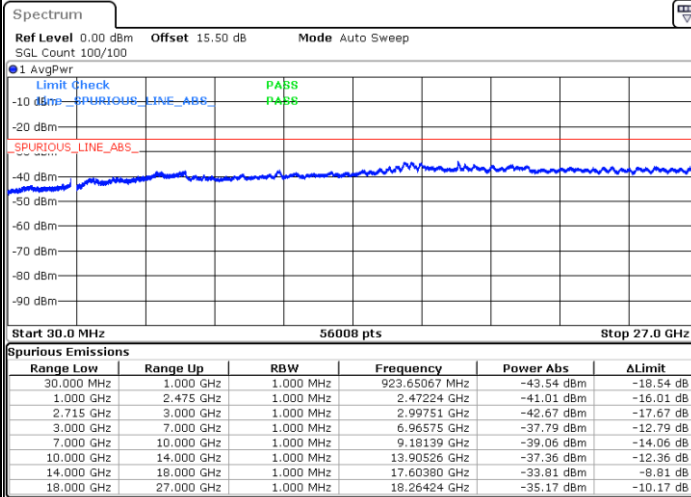
Date: 21.MAY.2022 06:08:34



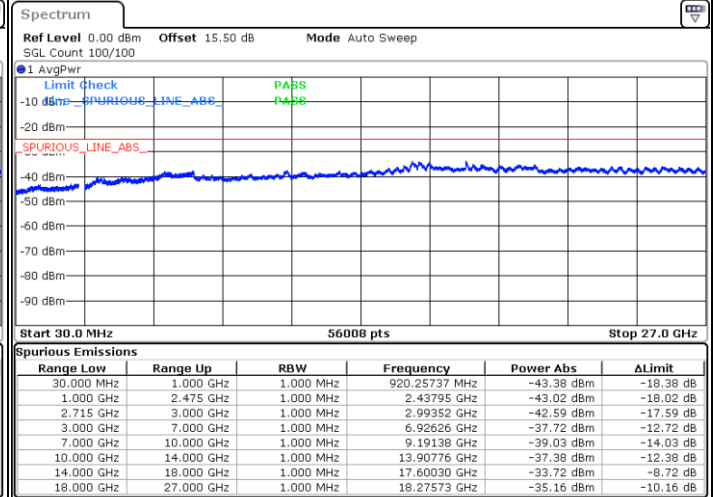
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

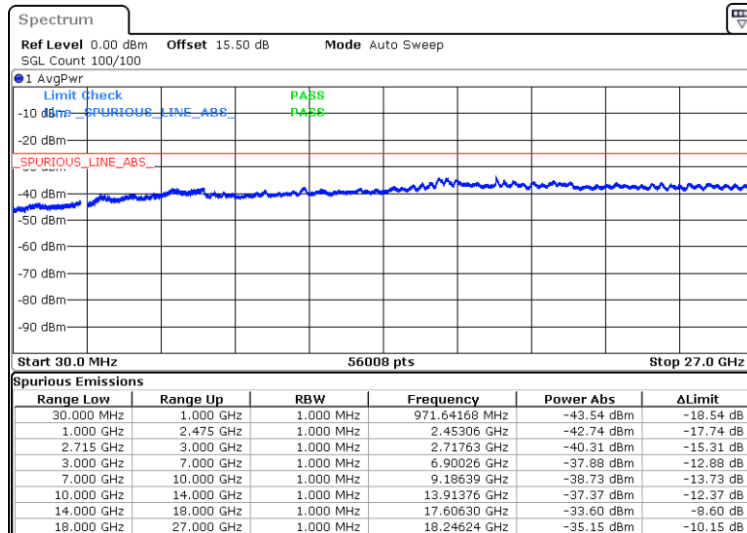


Date: 21.MAY.2022 06:23:46



Date: 21.MAY.2022 06:25:05

Highest Channel / QPSK



Date: 21.MAY.2022 06:26:23

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0057	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage = 4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

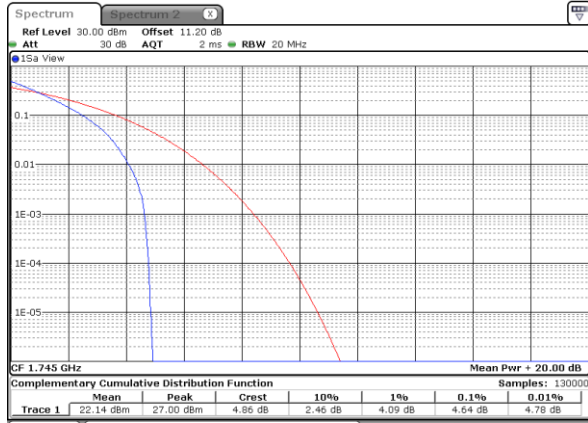
**LTE Band 66****Peak-to-Average Ratio**

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	4.64	5.59	5.68	6.78	PASS



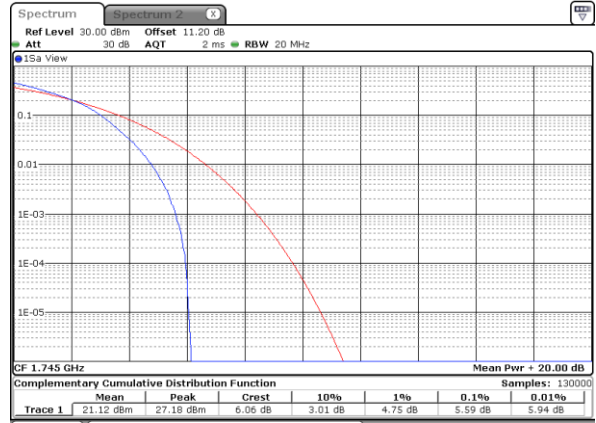
LTE Band 66 / 20MHz / QPSK

Middle Channel / Full RB



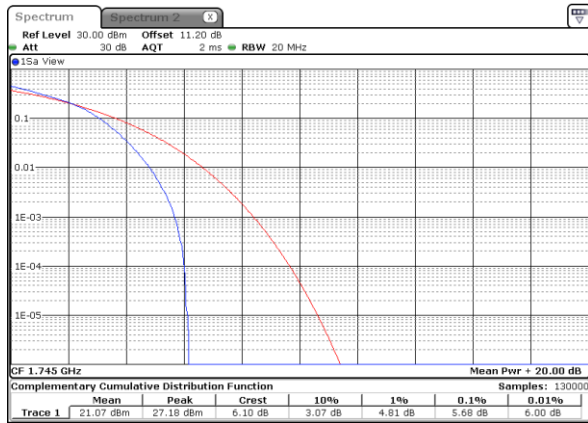
LTE Band 66 / 20MHz / 16QAM

Middle Channel / Full RB



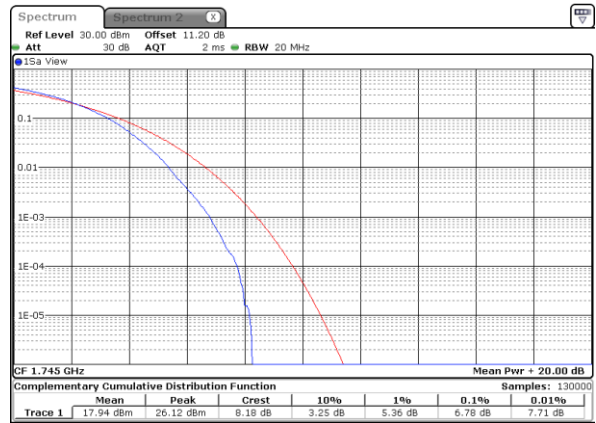
LTE Band 66 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 66 / 20MHz / 256QAM

Middle Channel / Full RB



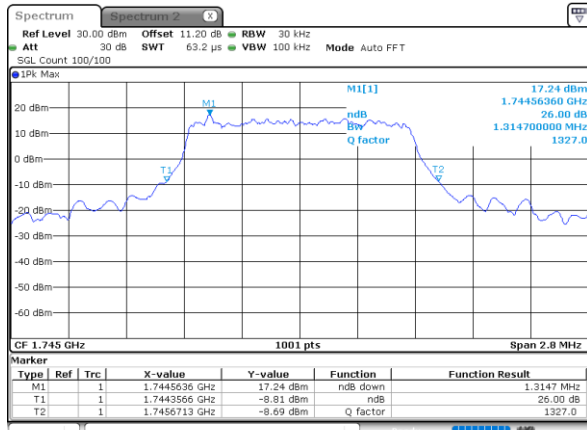
**26dB Bandwidth**

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	1.31	1.37	3.05	3.13	4.94	5.05	10.11	10.11	14.48	14.69	18.86	18.62
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	1.36	1.34	3.19	3.07	5.04	4.95	10.07	9.77	14.78	14.33	18.86	19.02



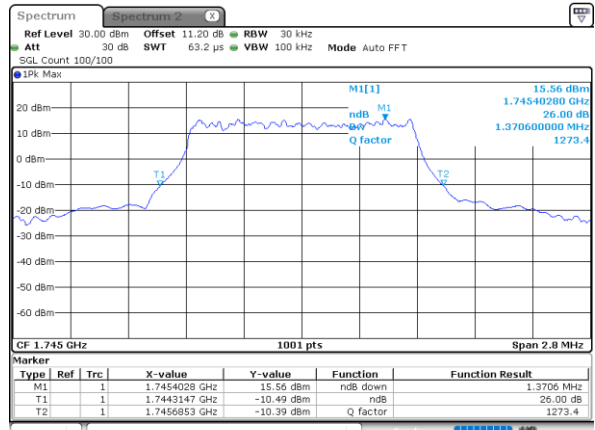
LTE Band 66

Middle Channel / 1.4MHz / QPSK



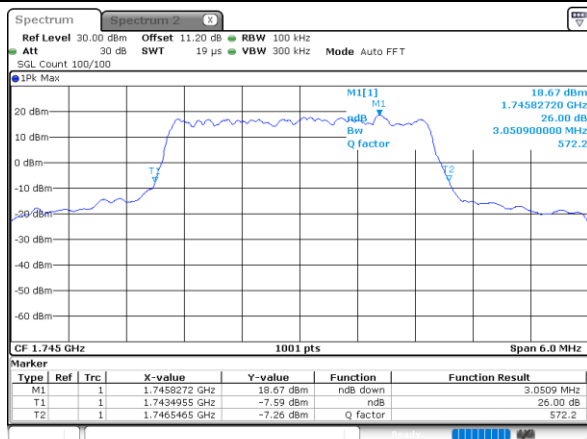
Date: 20.APR.2022 10:18:10

Middle Channel / 1.4MHz / 16QAM



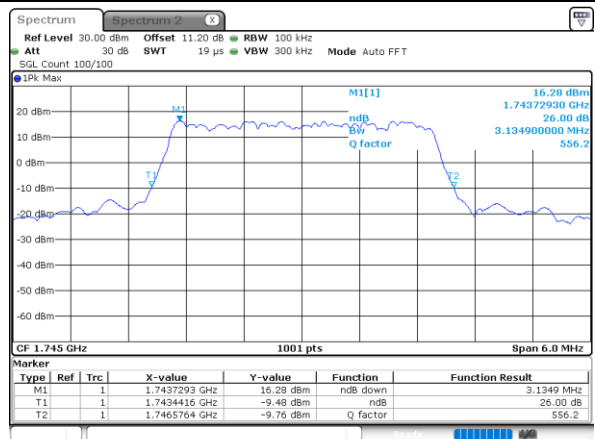
Date: 20.APR.2022 10:18:19

Middle Channel / 3MHz / QPSK



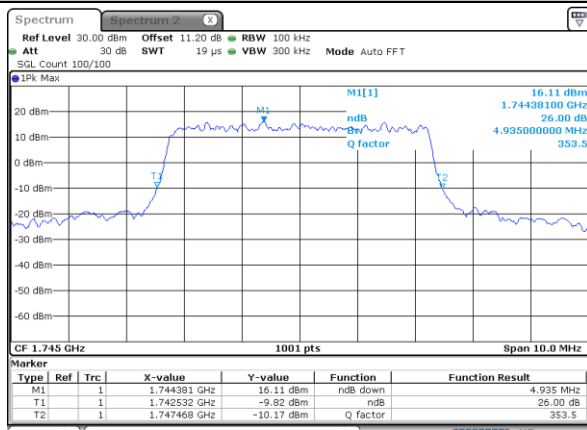
Date: 20.APR.2022 10:18:32

Middle Channel / 3MHz / 16QAM



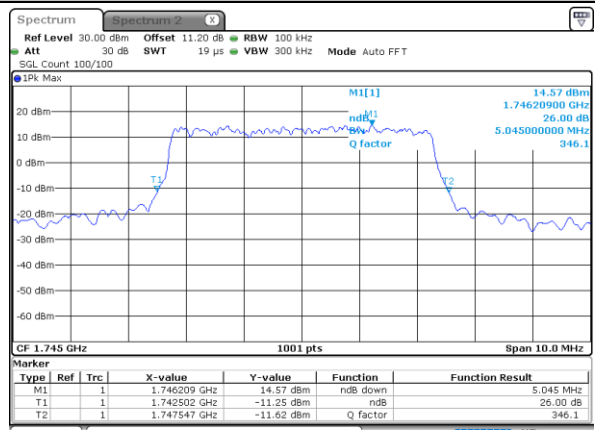
Date: 20.APR.2022 10:18:01

Middle Channel / 5MHz / QPSK



Date: 20.APR.2022 11:04:10

Middle Channel / 5MHz / 16QAM

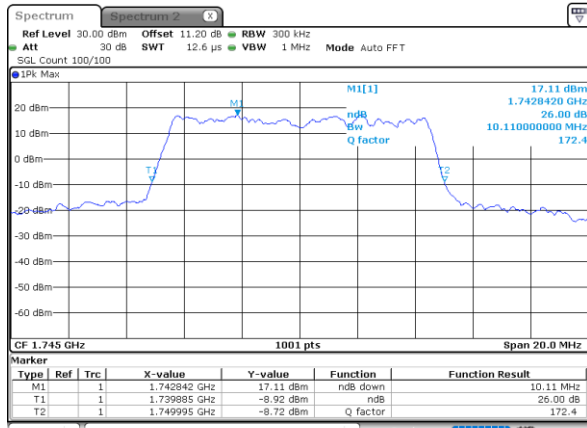


Date: 20.APR.2022 11:04:19



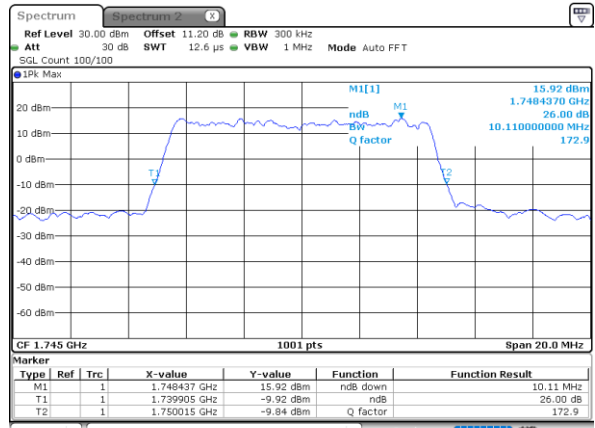
LTE Band 66

Middle Channel / 10MHz / QPSK



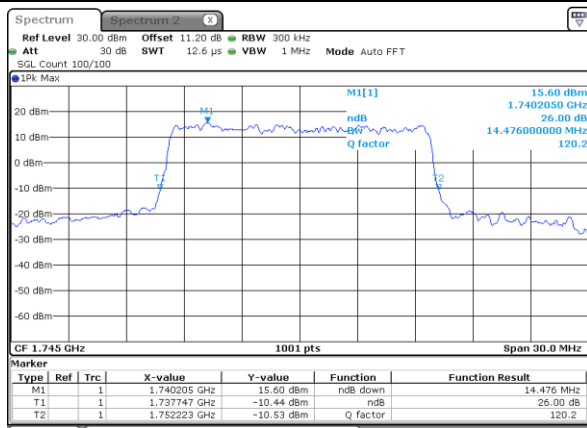
Date: 20.APR.2022 11:19:41

Middle Channel / 10MHz / 16QAM



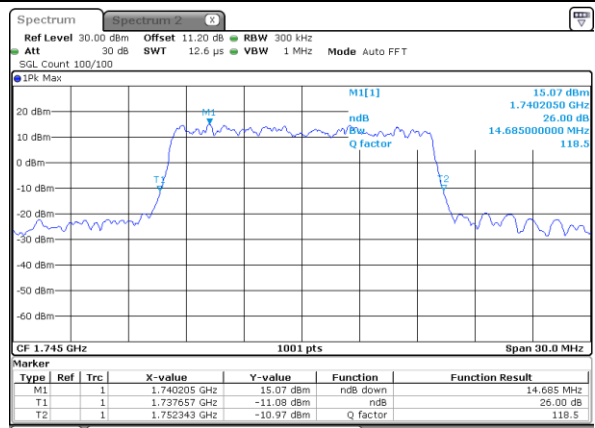
Date: 20.APR.2022 11:20:10

Middle Channel / 15MHz / QPSK



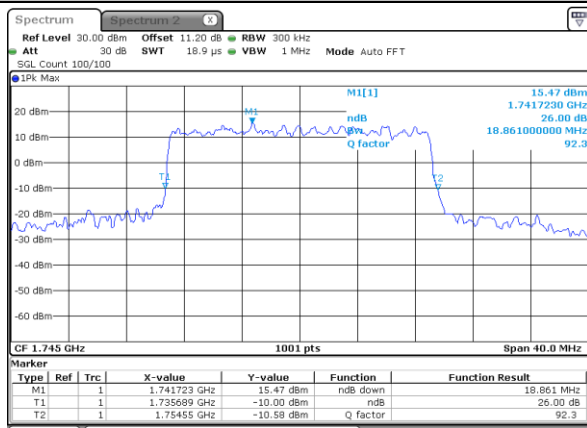
Date: 20.APR.2022 11:45:19

Middle Channel / 15MHz / 16QAM



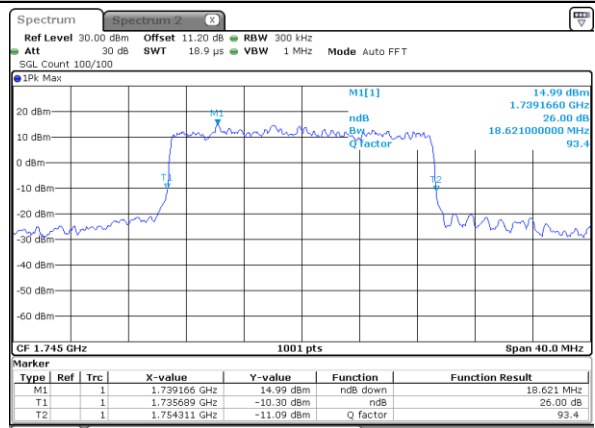
Date: 20.APR.2022 11:45:48

Middle Channel / 20MHz / QPSK



Date: 20.APR.2022 12:00:50

Middle Channel / 20MHz / 16QAM

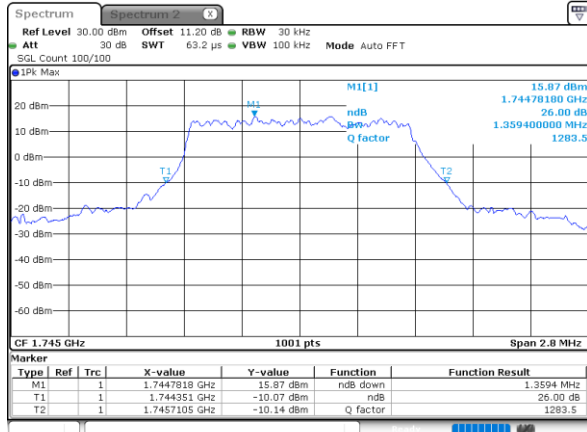


Date: 20.APR.2022 12:01:20



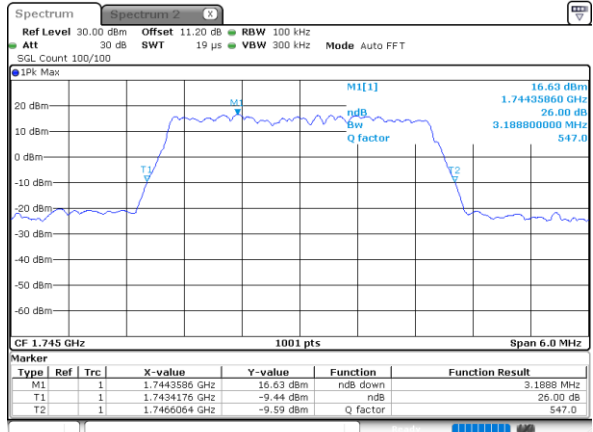
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



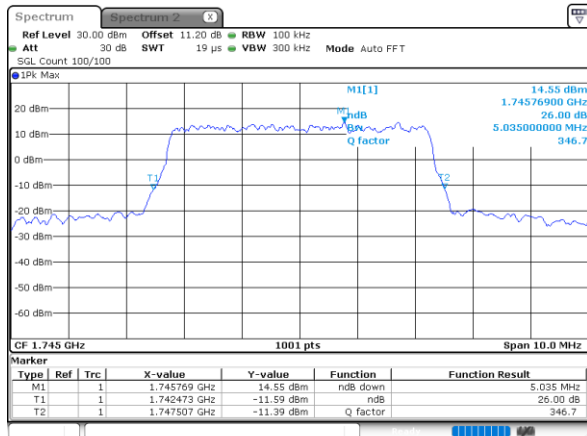
Date: 20.APR.2022 10:28:52

Middle Channel / 3MHz / 64QAM



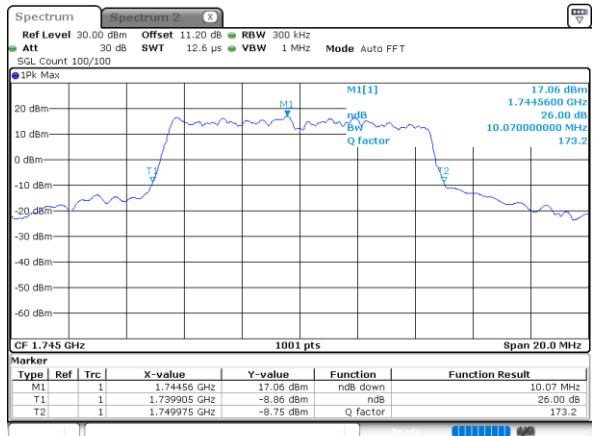
Date: 20.APR.2022 10:49:13

Middle Channel / 5MHz / 64QAM



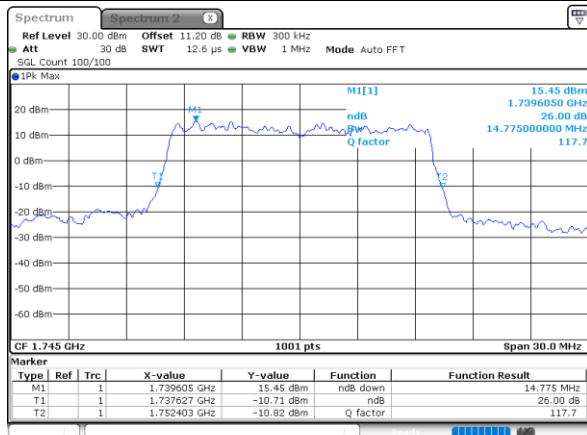
Date: 20.APR.2022 10:54:31

Middle Channel / 10MHz / 64QAM



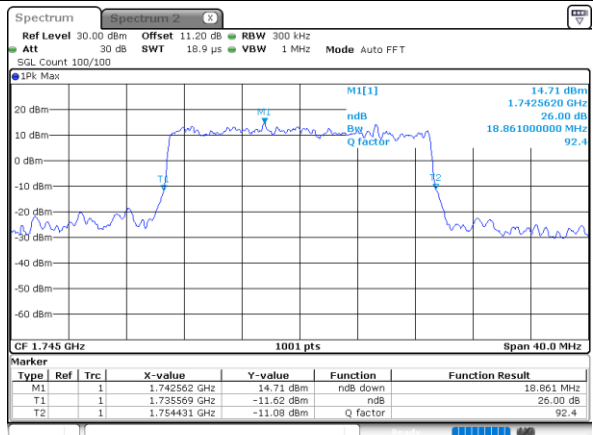
Date: 20.APR.2022 11:03:23

Middle Channel / 15MHz / 64QAM



Date: 20.APR.2022 11:35:40

Middle Channel / 20MHz / 64QAM

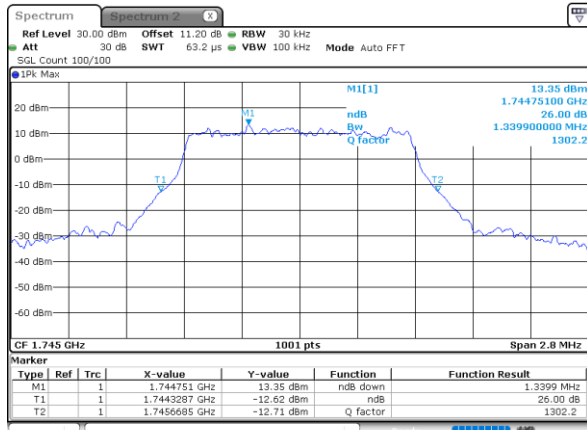


Date: 20.APR.2022 12:11:31



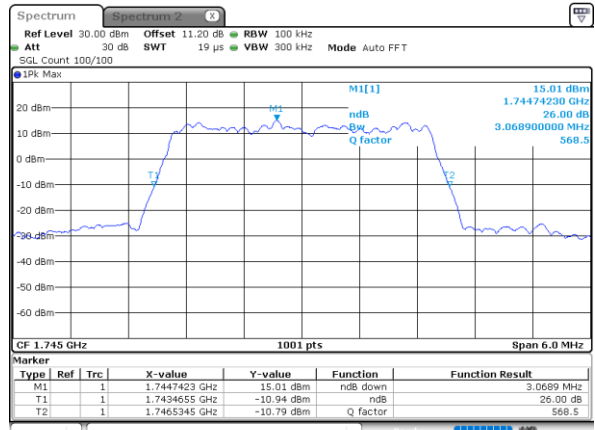
LTE Band 66

Middle Channel / 1.4MHz / 256QAM



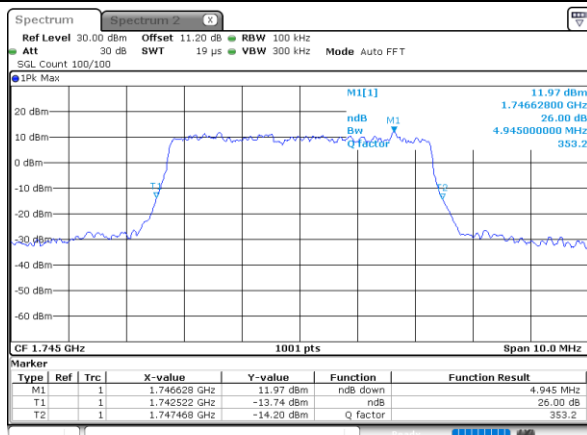
Date: 20.APR.2022 12:18:27

Middle Channel / 3MHz / 256QAM



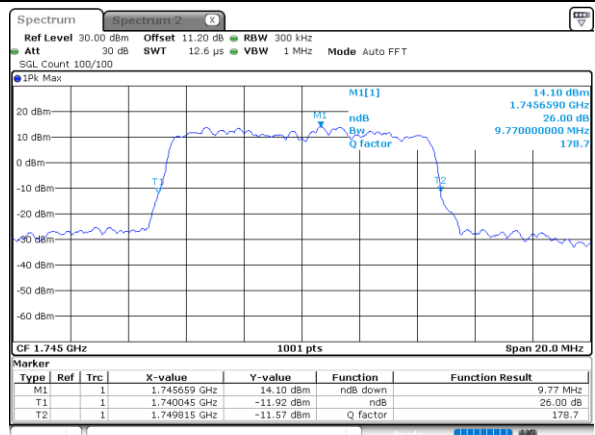
Date: 20.APR.2022 12:25:00

Middle Channel / 5MHz / 256QAM



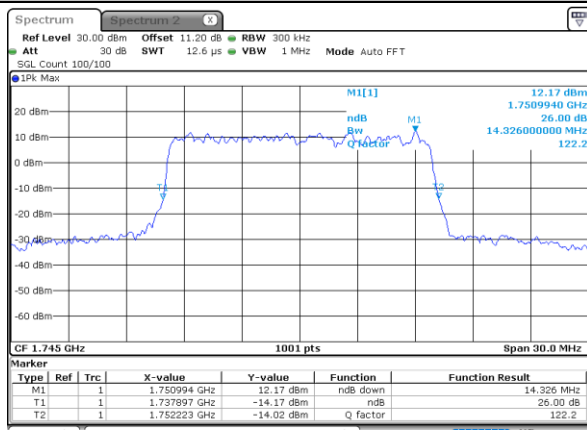
Date: 20.APR.2022 12:31:33

Middle Channel / 10MHz / 256QAM



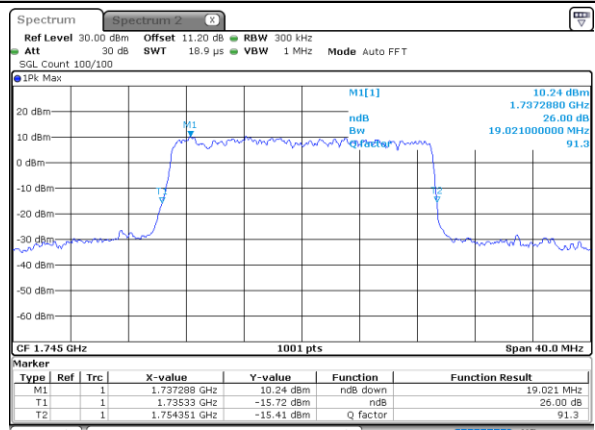
Date: 20.APR.2022 12:38:06

Middle Channel / 15MHz / 256QAM



Date: 20.APR.2022 12:44:39

Middle Channel / 20MHz / 256QAM



Date: 20.APR.2022 12:51:16

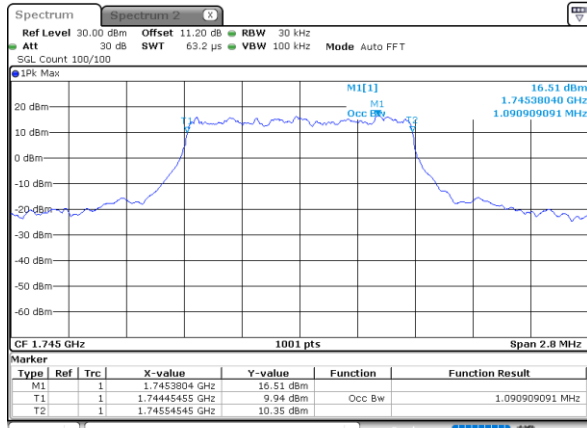
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.09	1.10	2.72	2.74	4.50	4.51	9.07	9.01	13.43	13.40	17.90	17.94
Mode	LTE Band 66 : 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	1.10	1.10	2.74	2.73	4.51	4.51	9.11	9.07	13.52	13.46	17.90	17.90

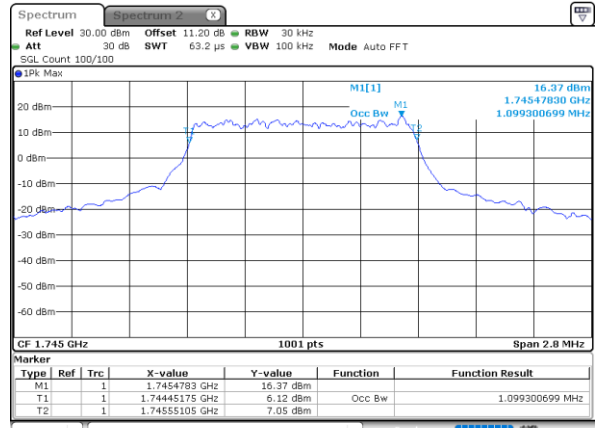


LTE Band 66

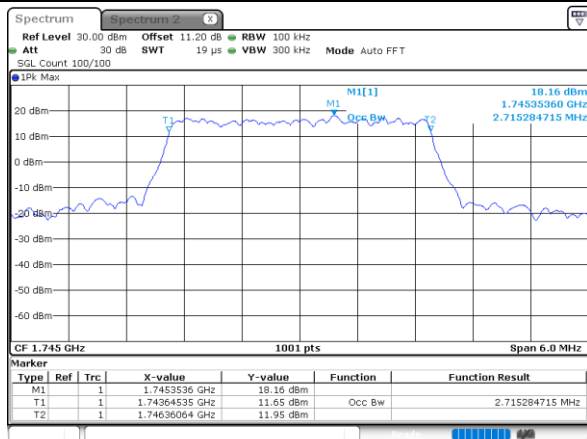
Middle Channel / 1.4MHz / QPSK



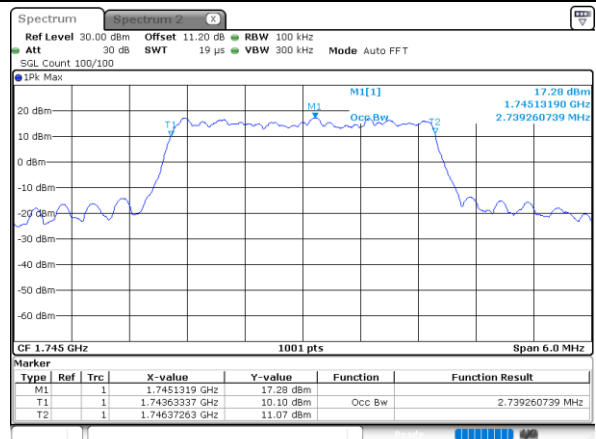
Middle Channel / 1.4MHz / 16QAM



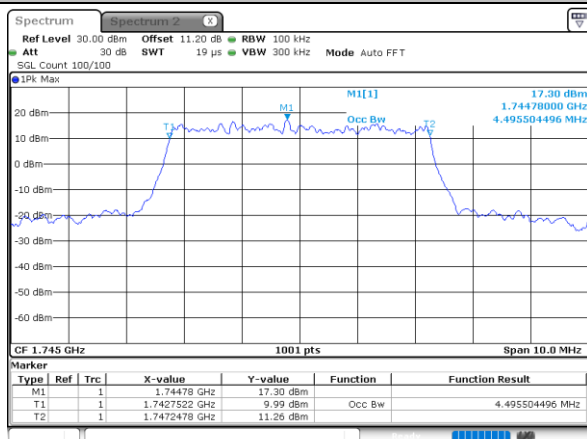
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM

