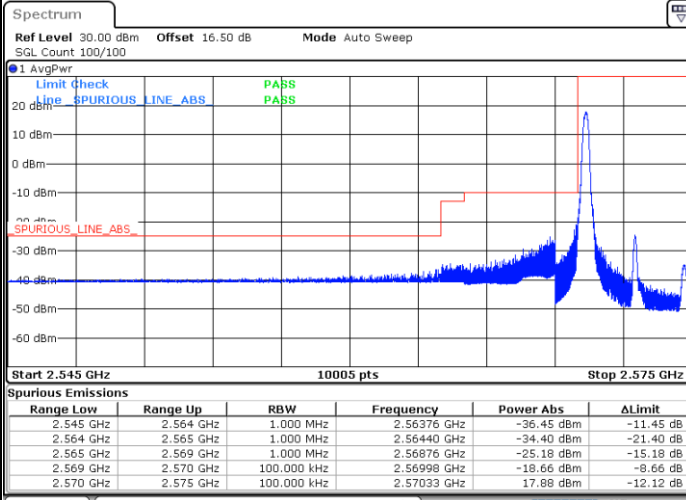




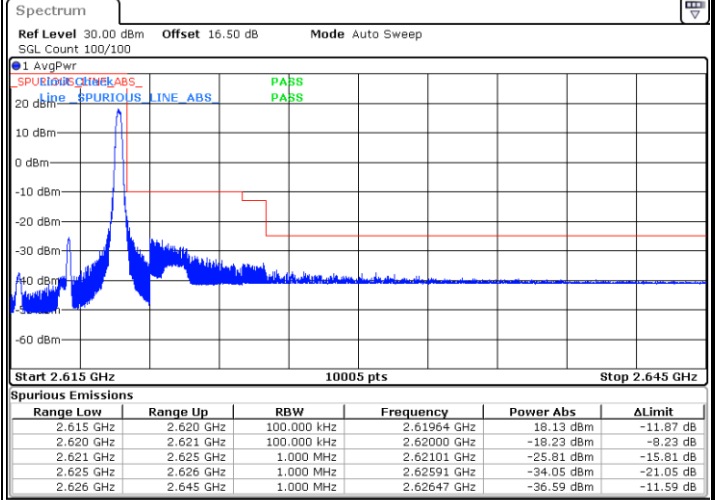
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



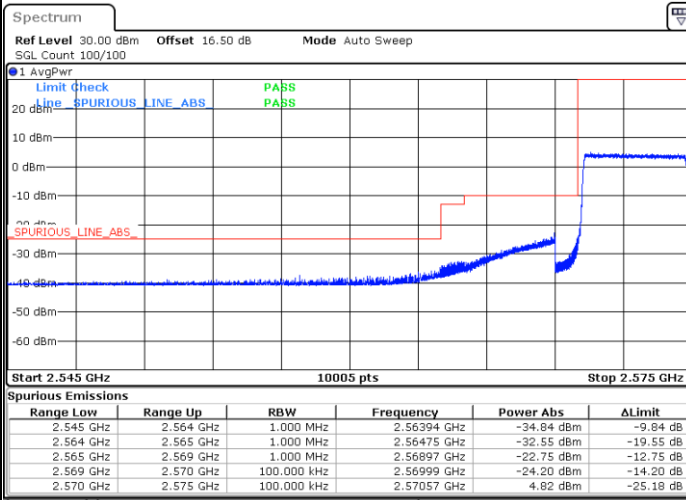
Date: 16.SEP.2022 09:19:09

Highest Band Edge / 1 RB



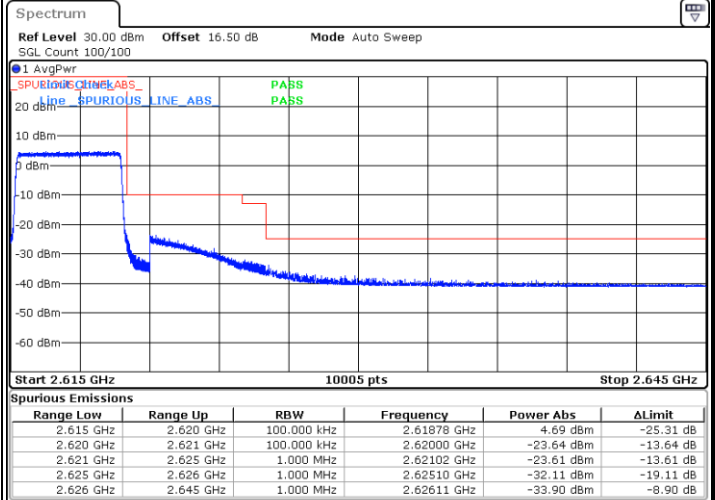
Date: 16.SEP.2022 09:23:30

Lowest Band Edge / Full RB



Date: 16.SEP.2022 09:20:18

Highest Band Edge / Full RB

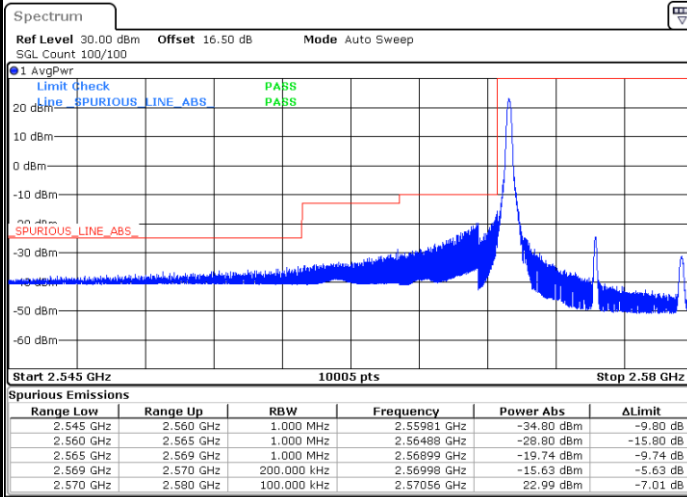


Date: 16.SEP.2022 09:22:24



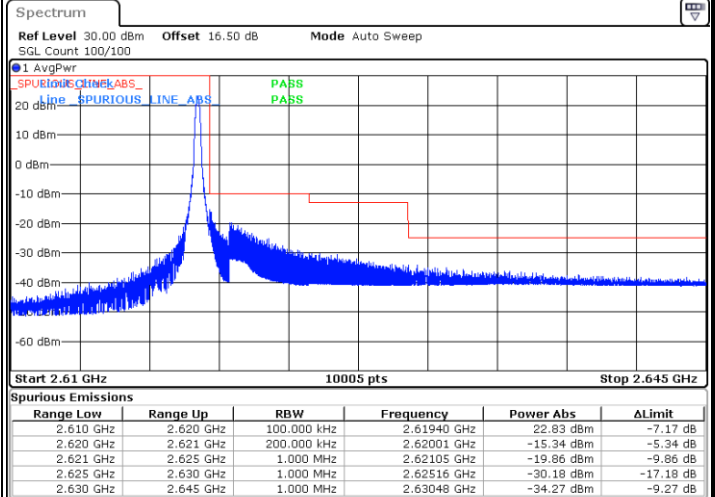
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



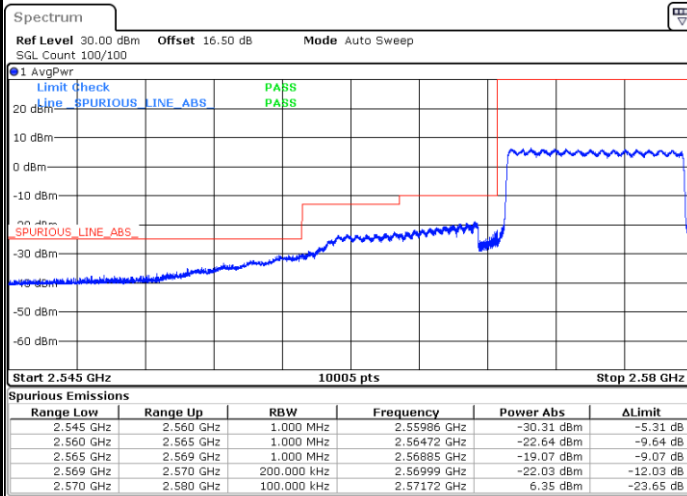
Date: 1.SEP.2022 11:38:46

Highest Band Edge / 1 RB



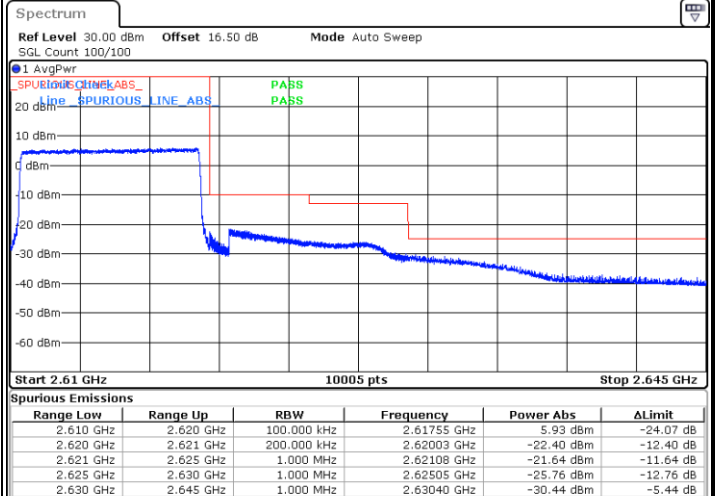
Date: 1.SEP.2022 11:44:45

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:40:45

Highest Band Edge / Full RB

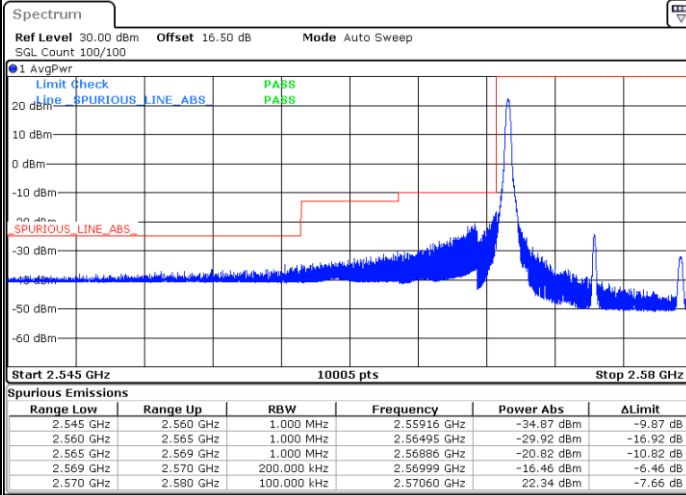


Date: 1.SEP.2022 11:42:45



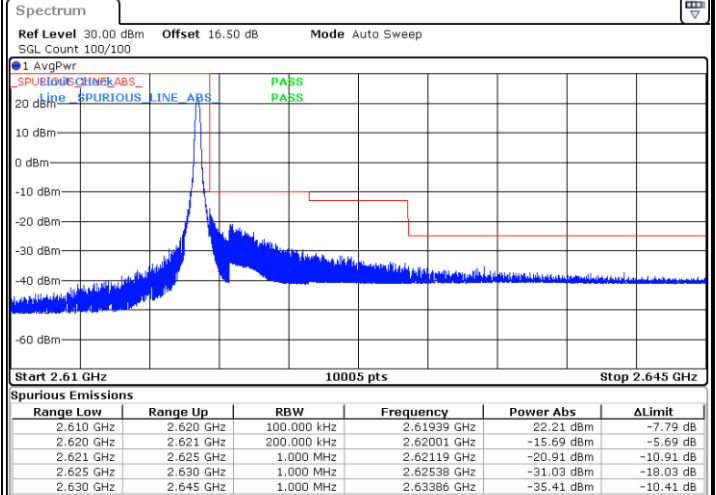
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



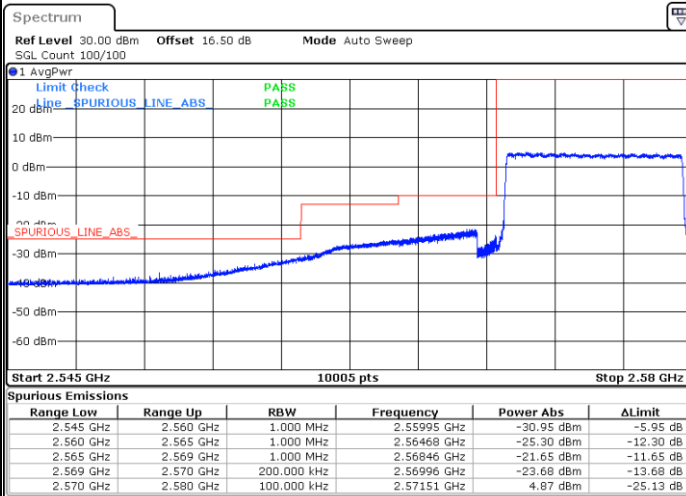
Date: 1.SEP.2022 11:39:45

Highest Band Edge / 1 RB



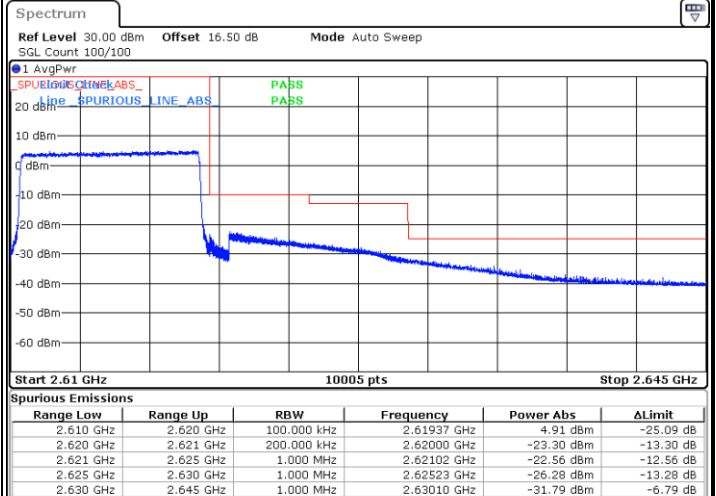
Date: 1.SEP.2022 11:45:46

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:41:45

Highest Band Edge / Full RB

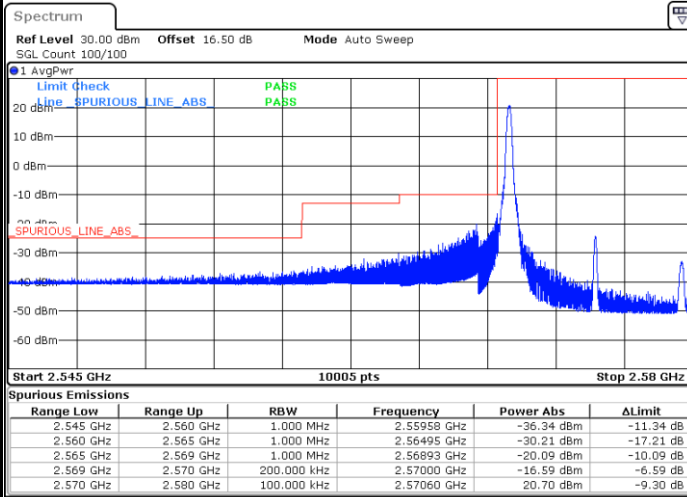


Date: 1.SEP.2022 11:43:45



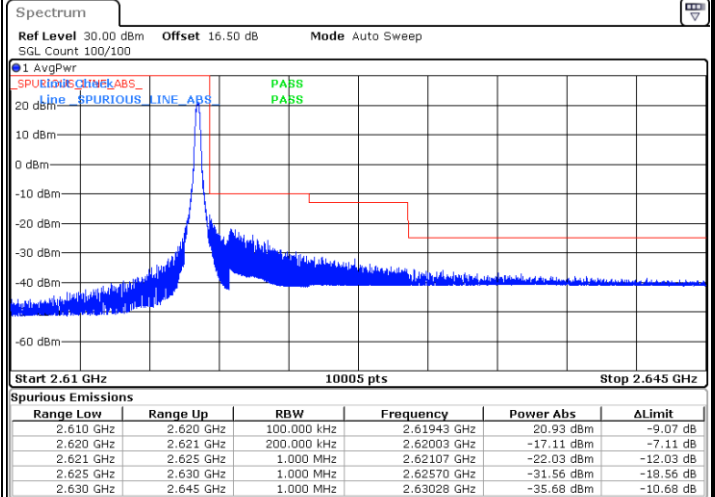
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



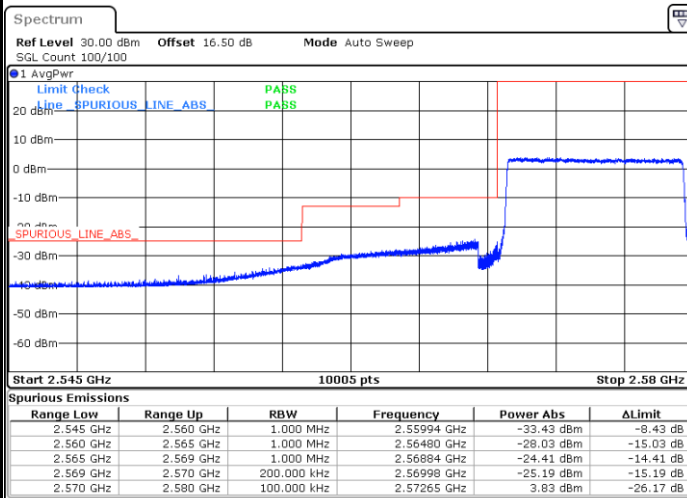
Date: 1.SEP.2022 11:34:46

Highest Band Edge / 1 RB



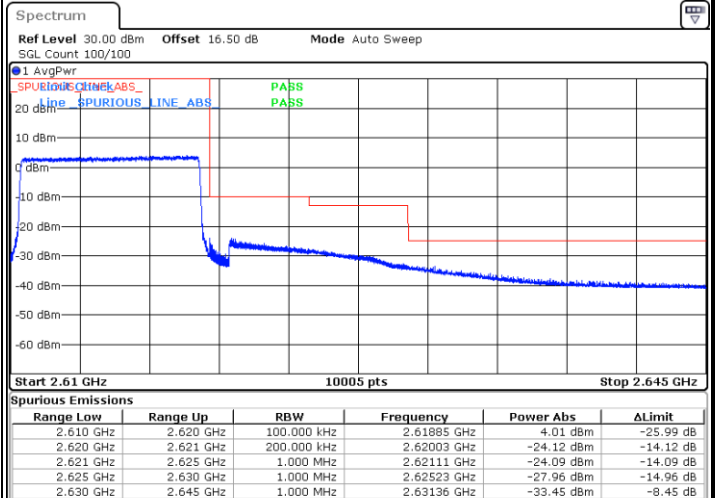
Date: 1.SEP.2022 11:37:46

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:35:46

Highest Band Edge / Full RB

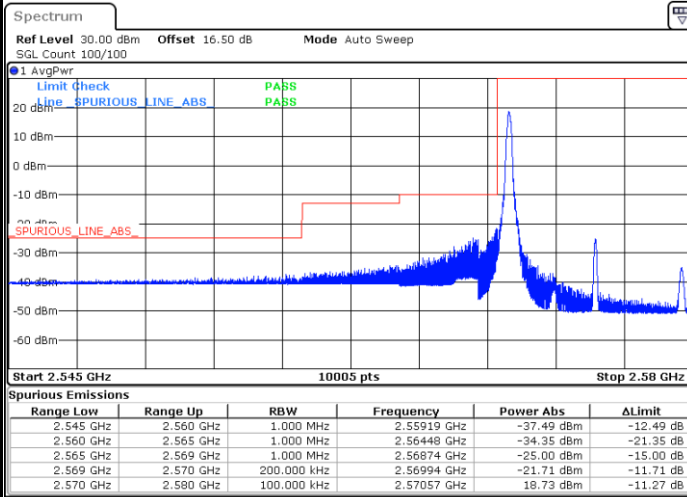


Date: 1.SEP.2022 11:36:46



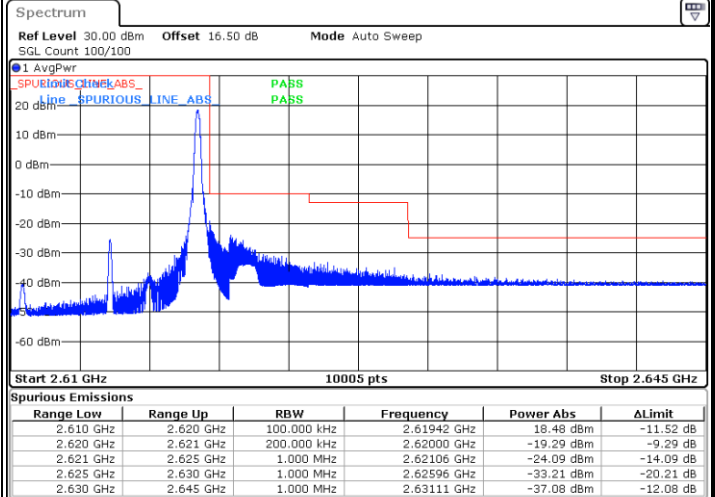
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



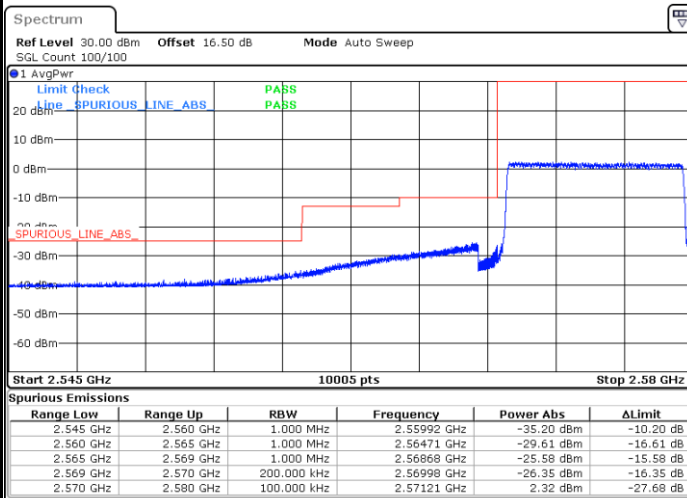
Date: 16.SEP.2022 11:40:23

Highest Band Edge / 1 RB



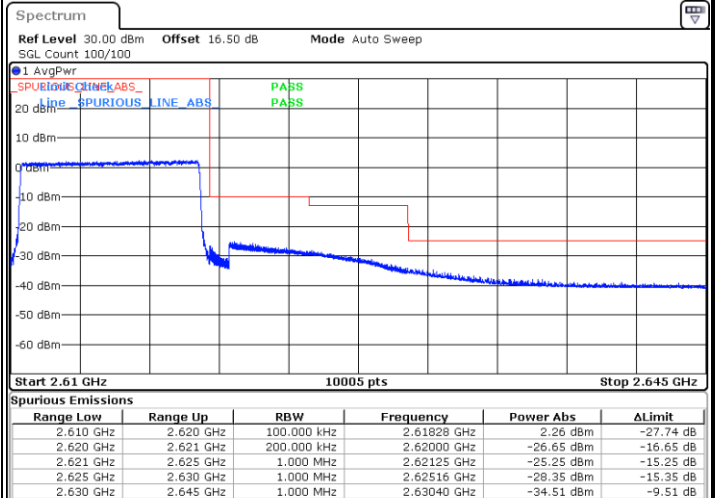
Date: 16.SEP.2022 11:42:51

Lowest Band Edge / Full RB



Date: 16.SEP.2022 11:29:01

Highest Band Edge / Full RB

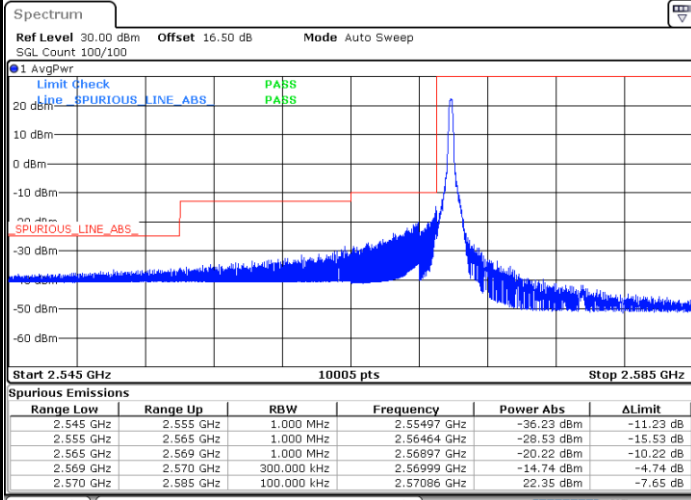


Date: 16.SEP.2022 11:53:08



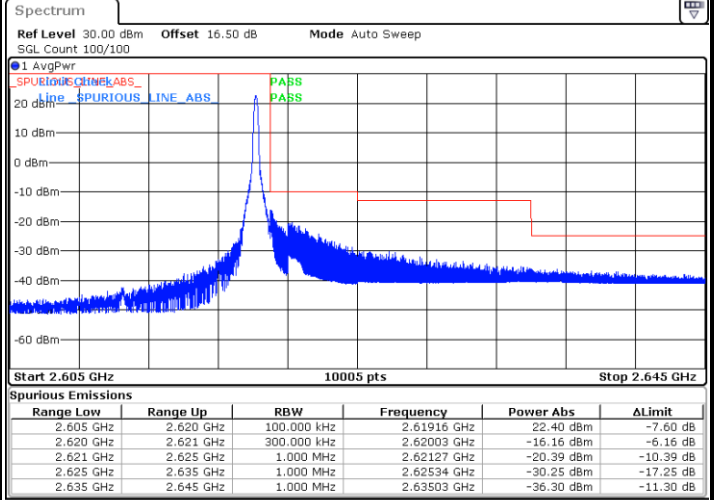
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



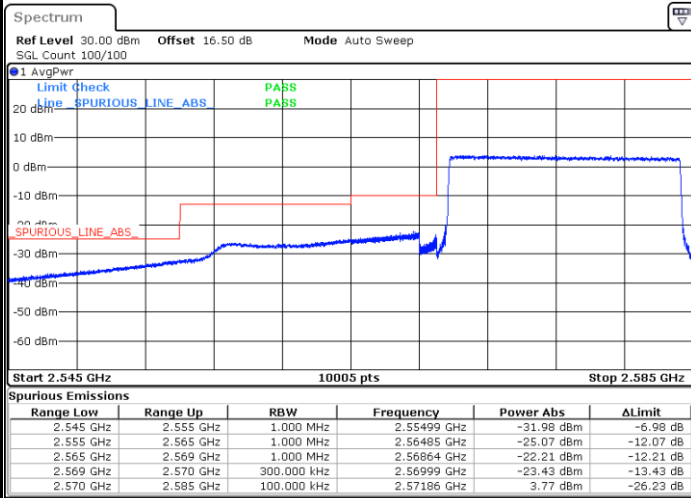
Date: 1.SEP.2022 11:50:22

Highest Band Edge / 1 RB



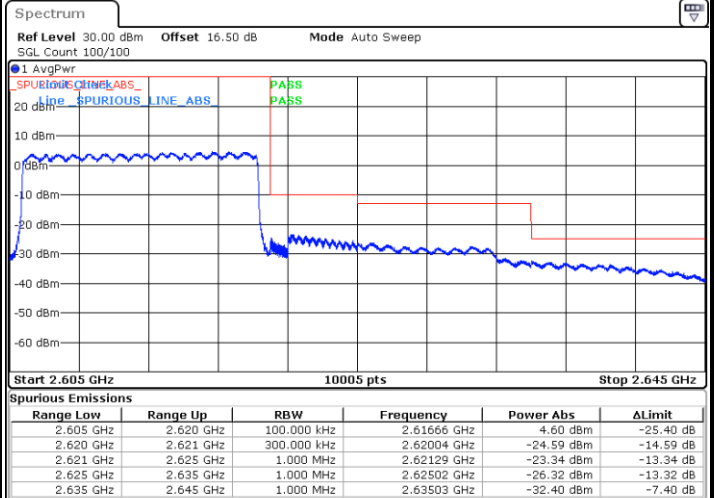
Date: 1.SEP.2022 11:56:23

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:52:22

Highest Band Edge / Full RB

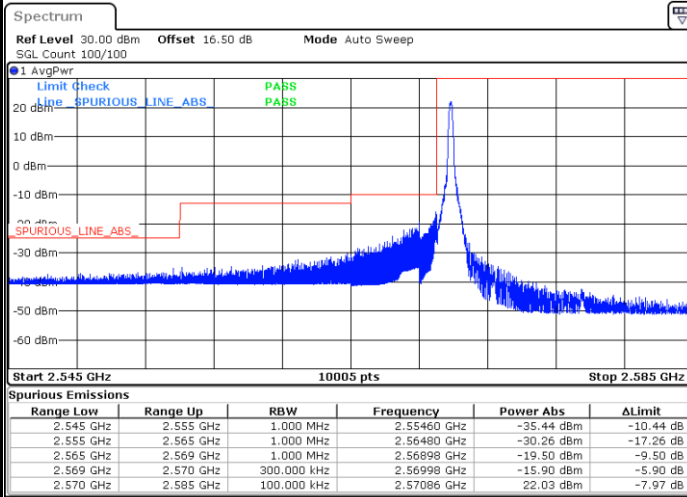


Date: 1.SEP.2022 11:54:22



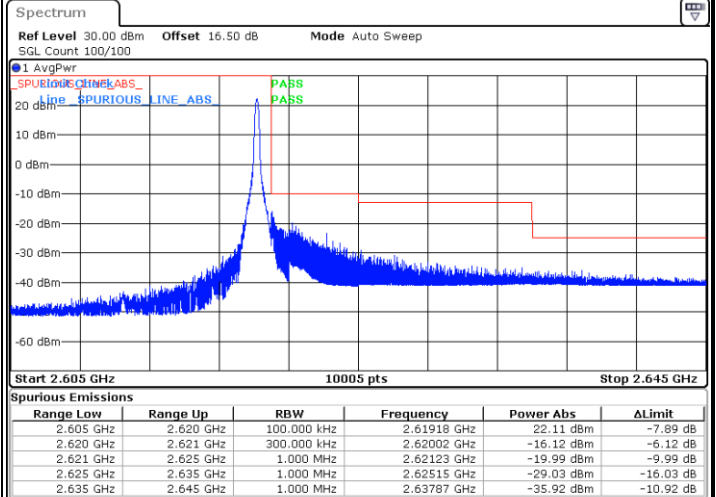
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



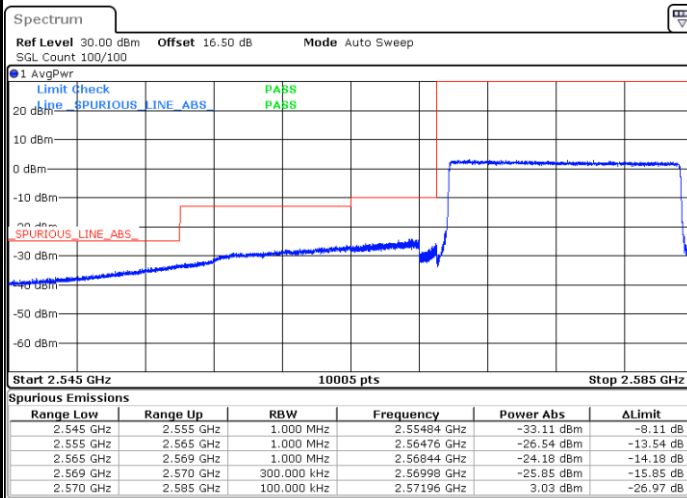
Date: 1.SEP.2022 11:51:22

Highest Band Edge / 1 RB



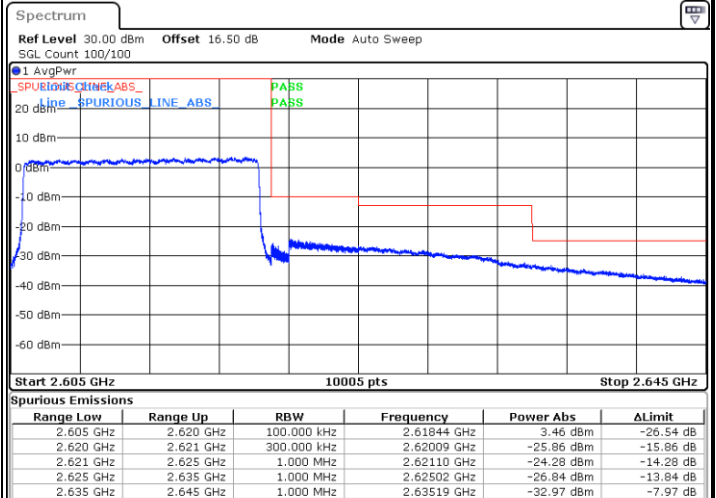
Date: 1.SEP.2022 11:57:23

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:53:21

Highest Band Edge / Full RB

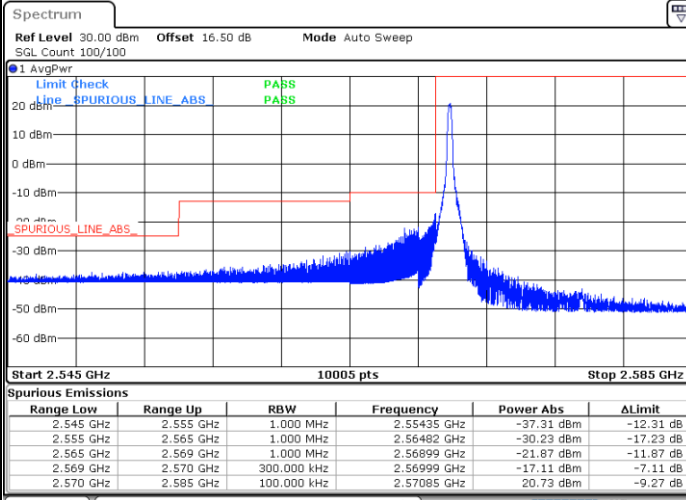


Date: 1.SEP.2022 11:55:22



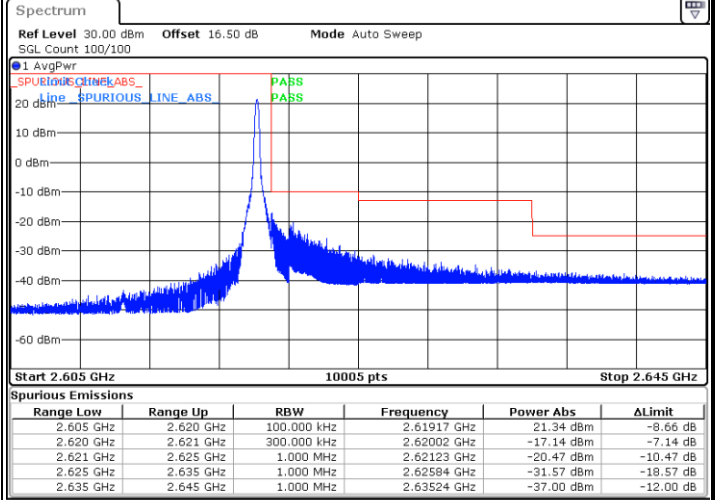
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



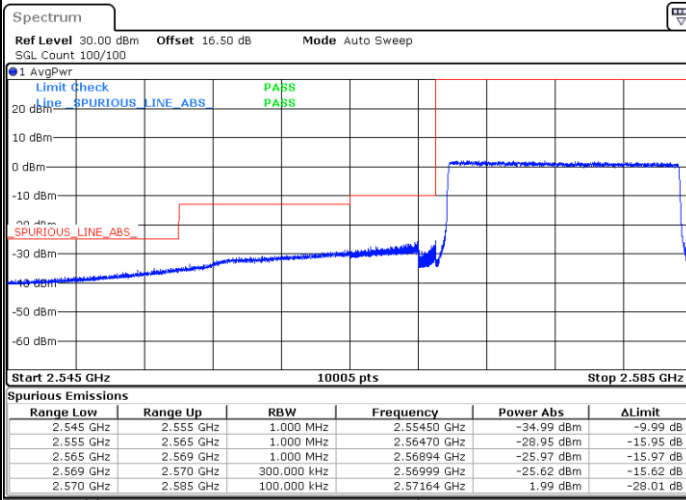
Date: 1.SEP.2022 11:58:22

Highest Band Edge / 1 RB



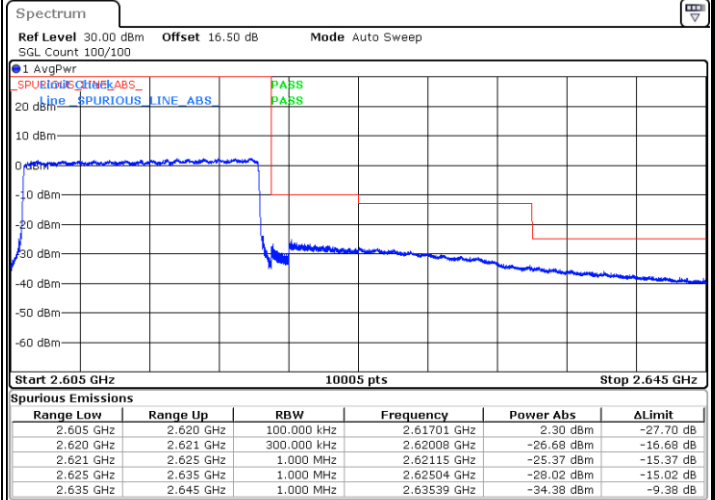
Date: 1.SEP.2022 12:01:23

Lowest Band Edge / Full RB



Date: 1.SEP.2022 11:59:22

Highest Band Edge / Full RB

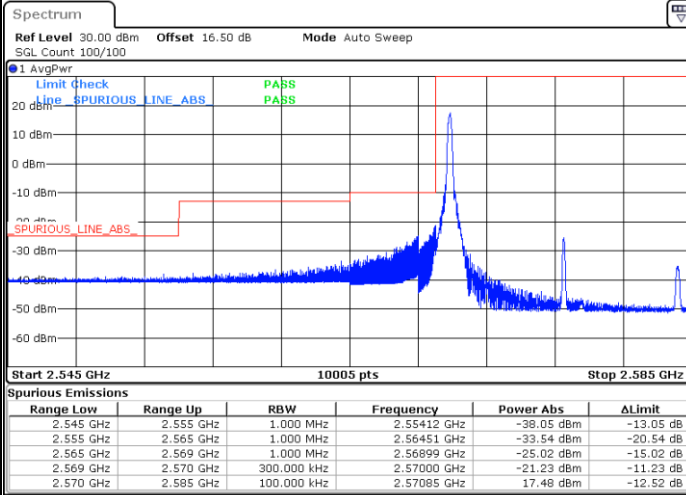


Date: 1.SEP.2022 12:00:22



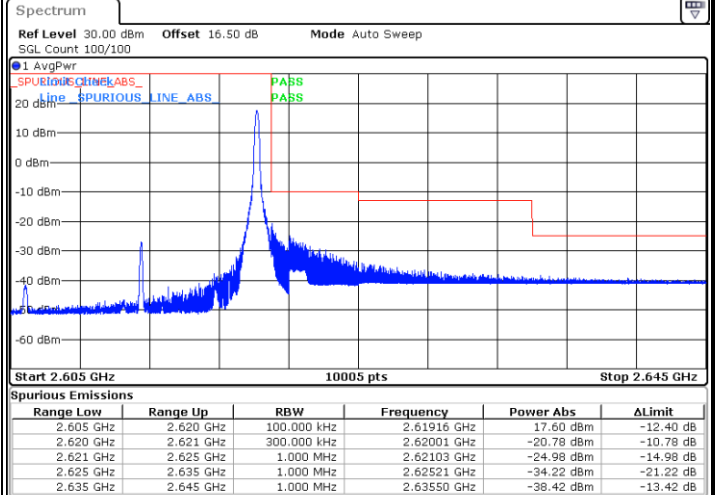
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



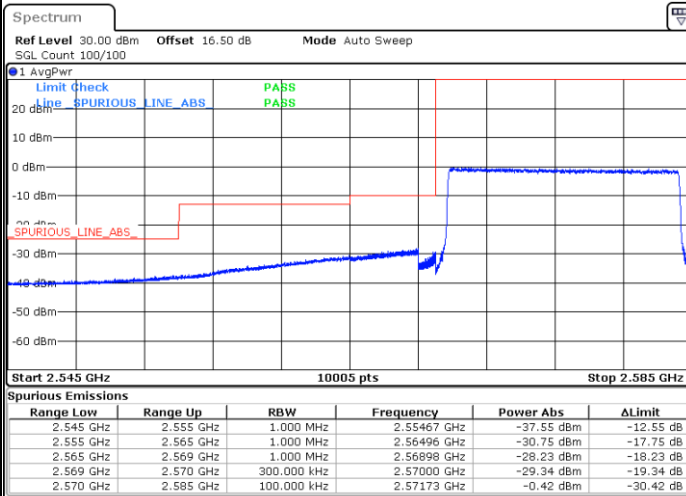
Date: 16.SEP.2022 14:04:54

Highest Band Edge / 1 RB



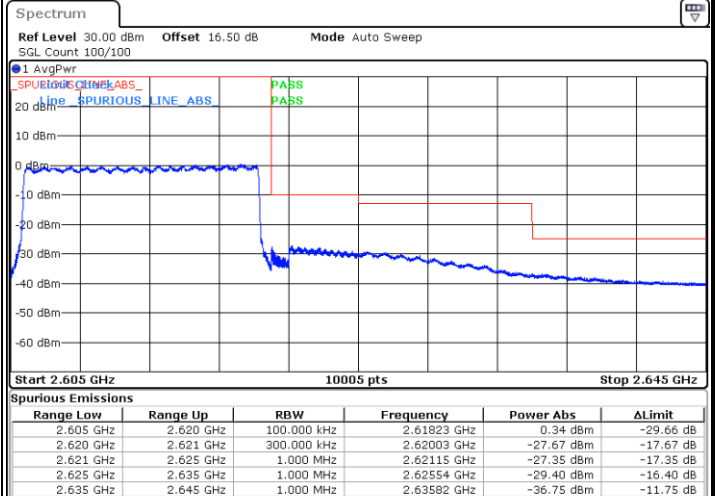
Date: 16.SEP.2022 14:06:18

Lowest Band Edge / Full RB



Date: 16.SEP.2022 14:03:31

Highest Band Edge / Full RB

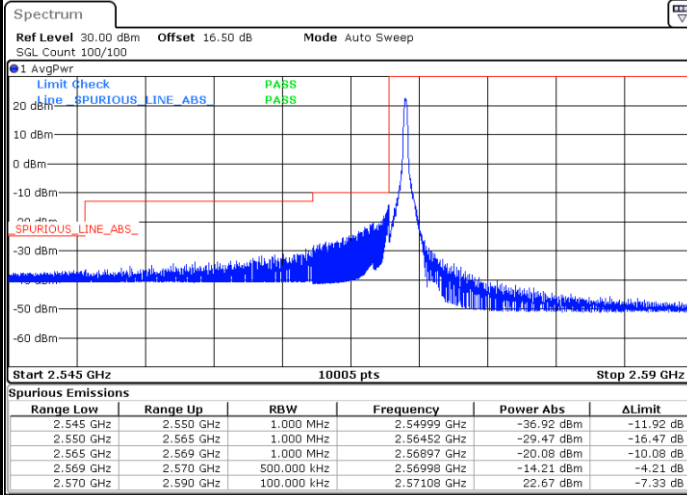


Date: 16.SEP.2022 14:07:39



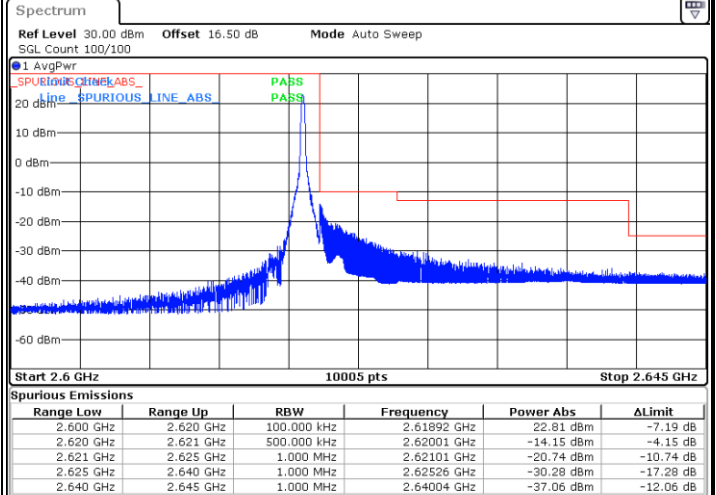
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



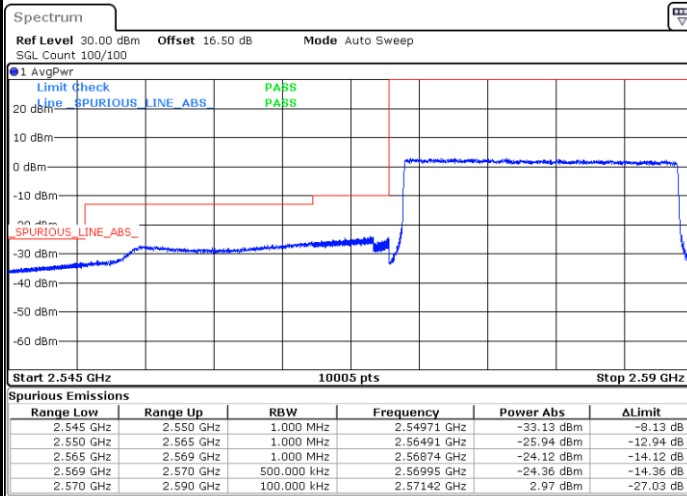
Date: 1.SEP.2022 12:08:04

Highest Band Edge / 1 RB



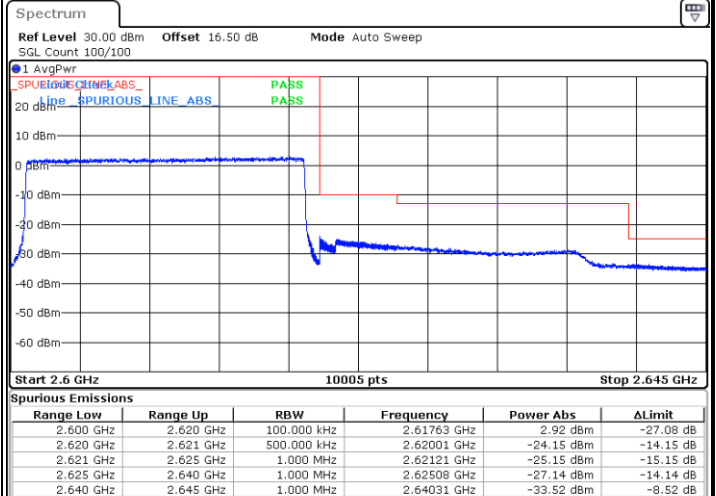
Date: 1.SEP.2022 13:46:01

Lowest Band Edge / Full RB



Date: 1.SEP.2022 13:42:00

Highest Band Edge / Full RB

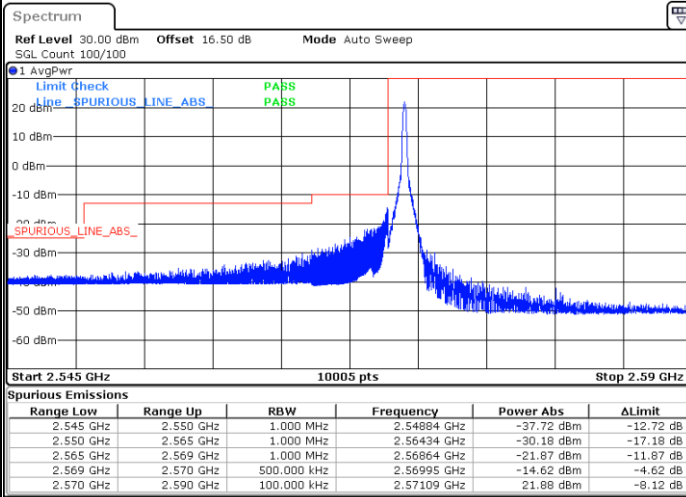


Date: 1.SEP.2022 13:44:00



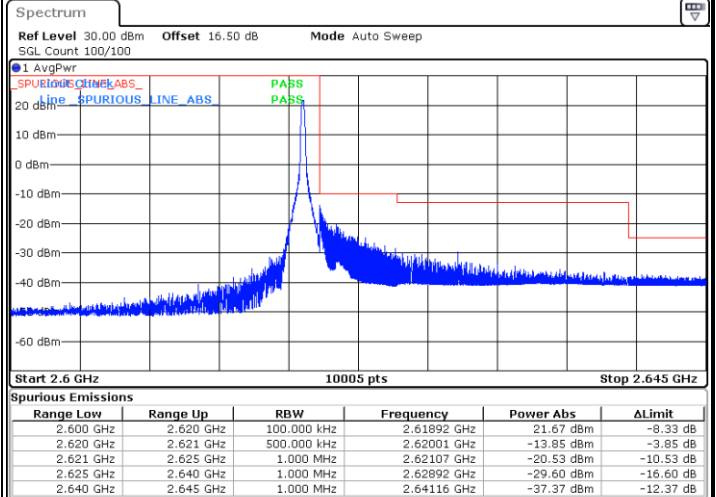
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



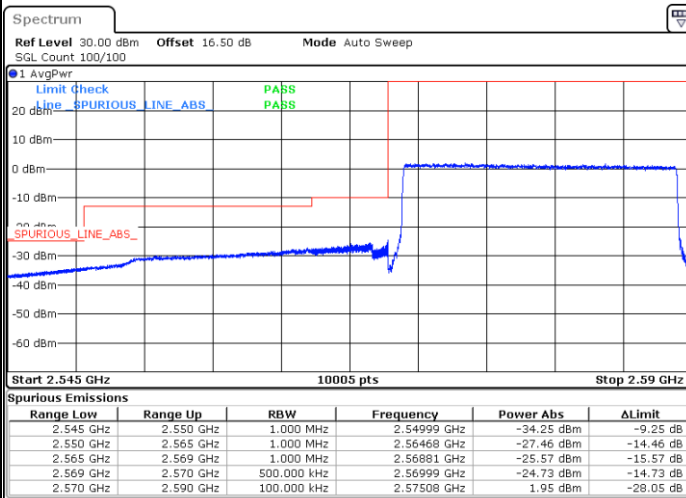
Date: 1.SEP.2022 13:41:00

Highest Band Edge / 1 RB



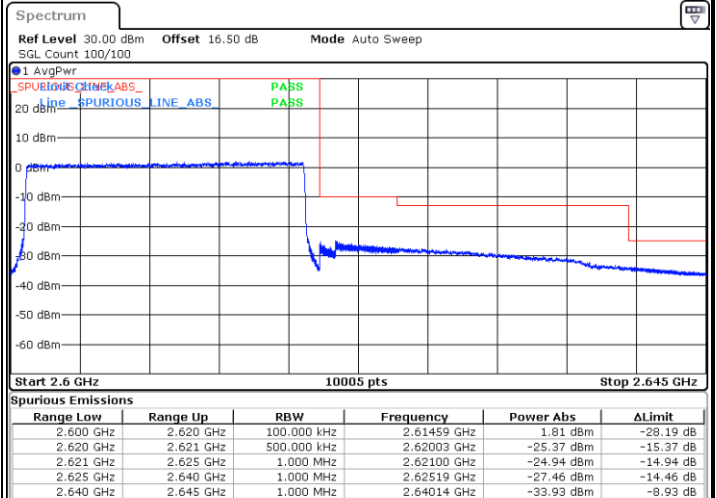
Date: 1.SEP.2022 13:47:01

Lowest Band Edge / Full RB



Date: 1.SEP.2022 13:42:59

Highest Band Edge / Full RB

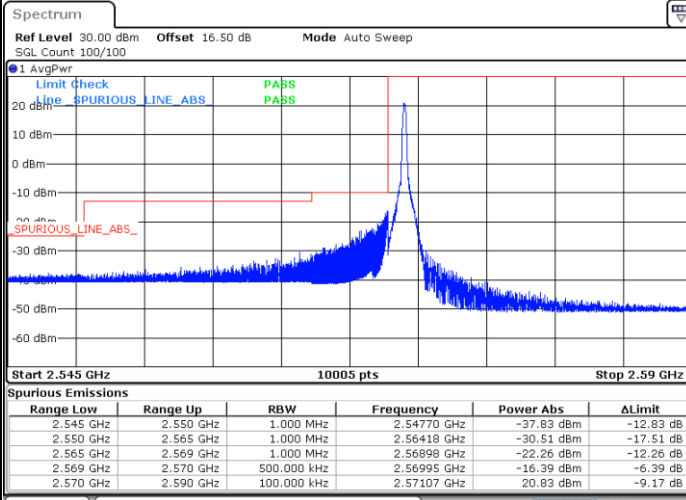


Date: 1.SEP.2022 13:45:01



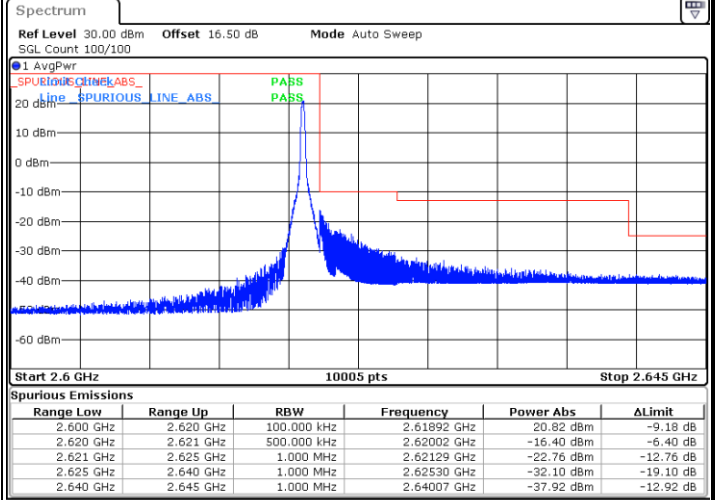
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



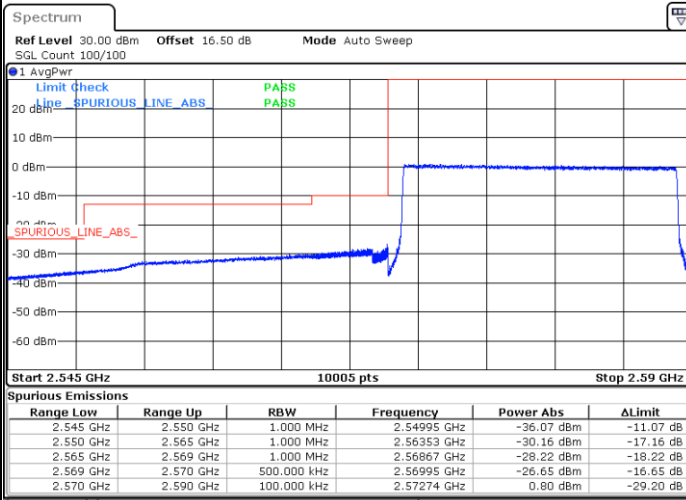
Date: 1.SEP.2022 13:48:01

Highest Band Edge / 1 RB



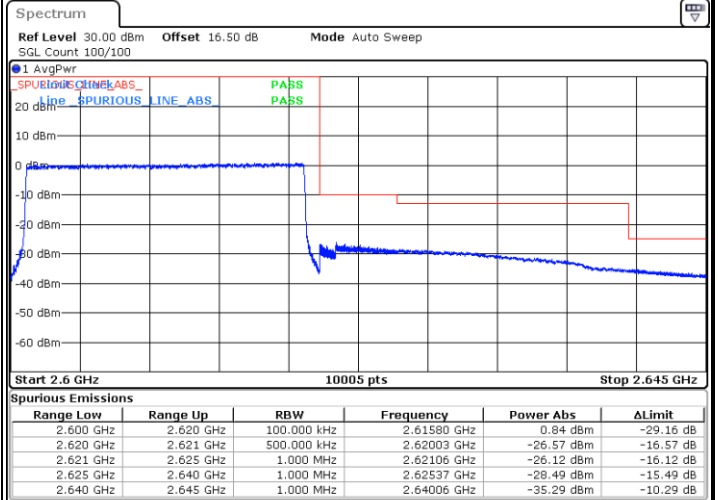
Date: 1.SEP.2022 13:51:02

Lowest Band Edge / Full RB



Date: 1.SEP.2022 13:49:01

Highest Band Edge / Full RB

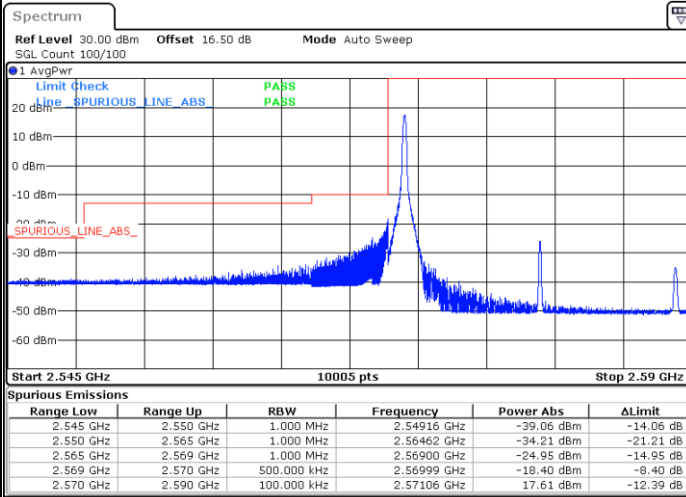


Date: 1.SEP.2022 13:50:02



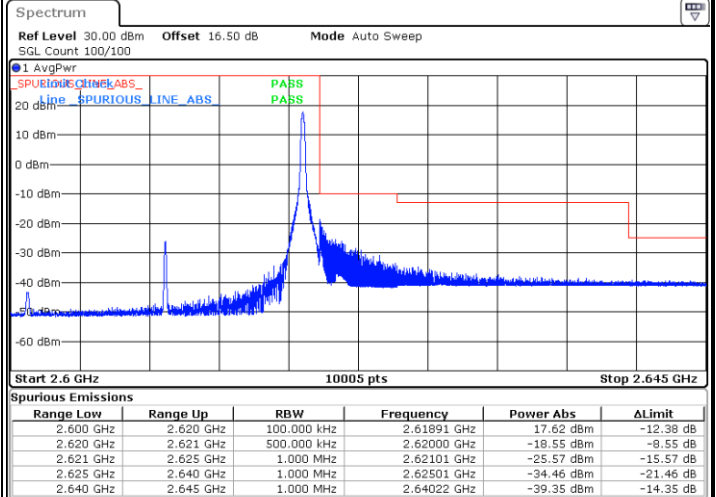
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



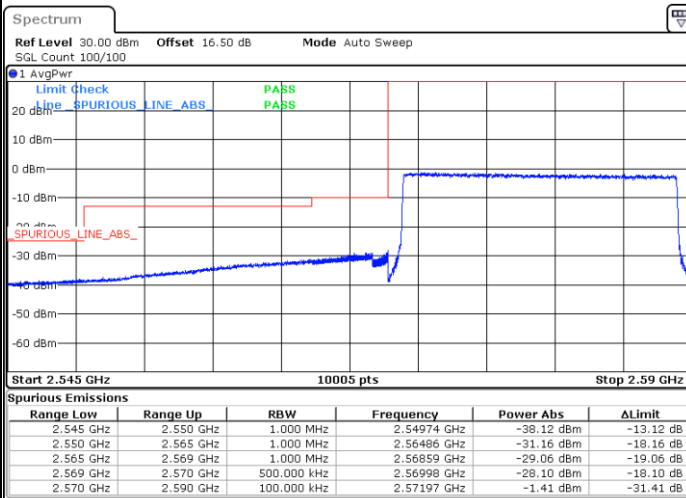
Date: 16.SEP.2022 14:11:44

Highest Band Edge / 1 RB



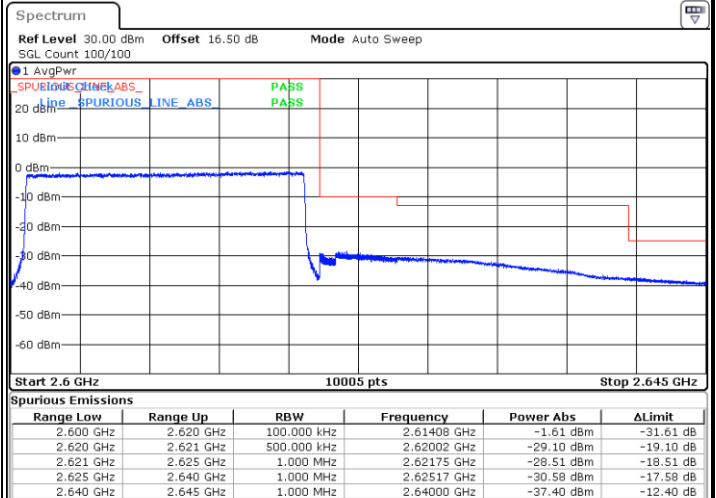
Date: 16.SEP.2022 14:13:48

Lowest Band Edge / Full RB



Date: 16.SEP.2022 14:10:37

Highest Band Edge / Full RB



Date: 16.SEP.2022 14:14:51

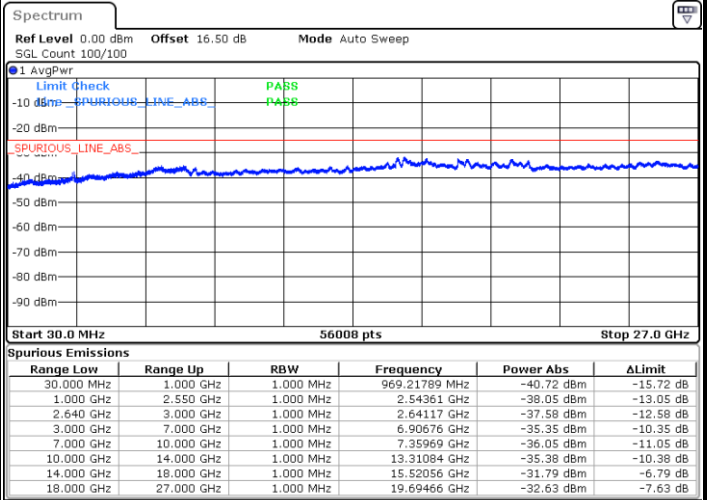
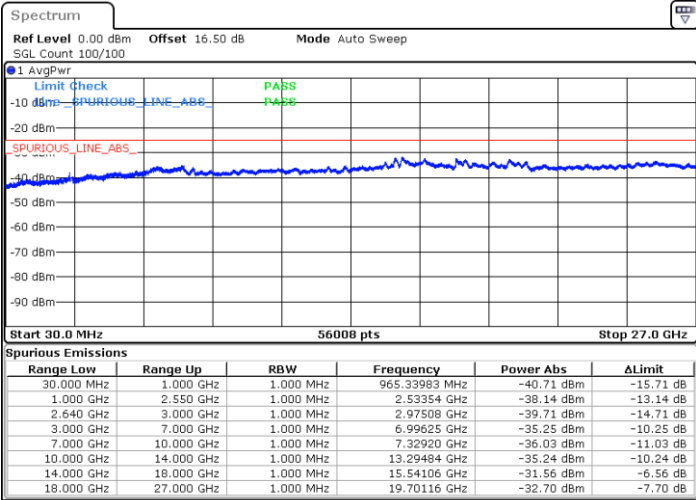


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

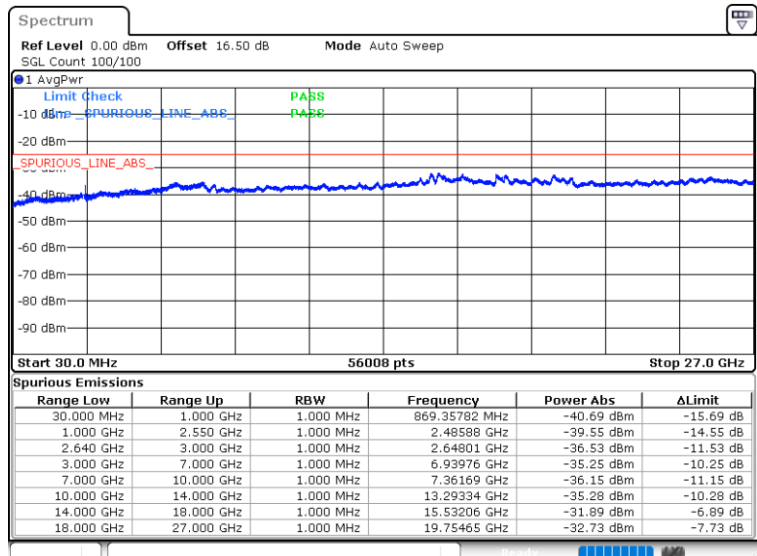
Middle Channel / QPSK



Date: 1.SEP.2022 13:52:17

Date: 1.SEP.2022 13:53:25

Highest Channel / QPSK



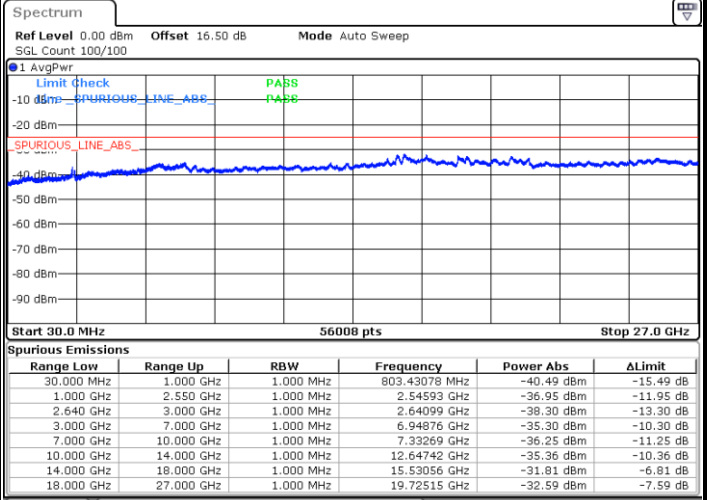
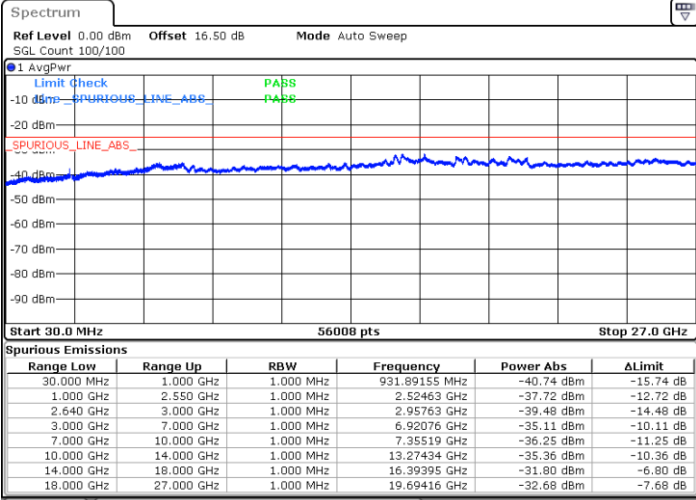
Date: 1.SEP.2022 13:54:35



LTE Band 38 / 10MHz

Lowest Channel / QPSK

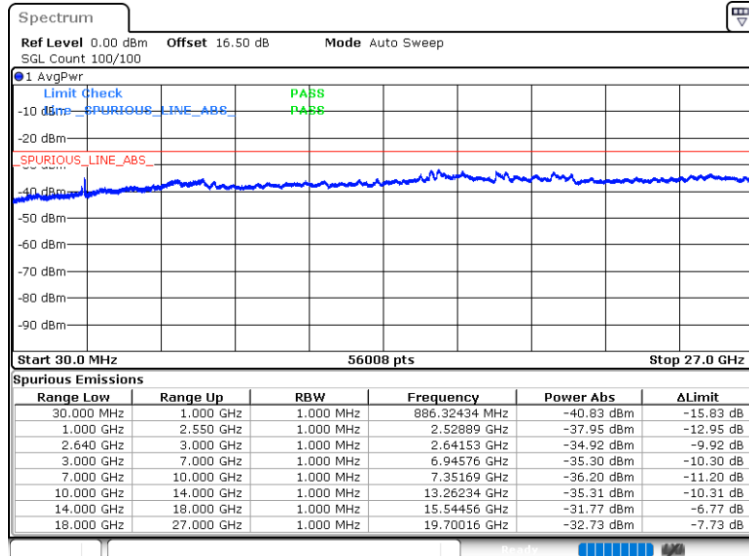
Middle Channel / QPSK



Date: 1.SEP.2022 13:55:50

Date: 1.SEP.2022 13:57:00

Highest Channel / QPSK



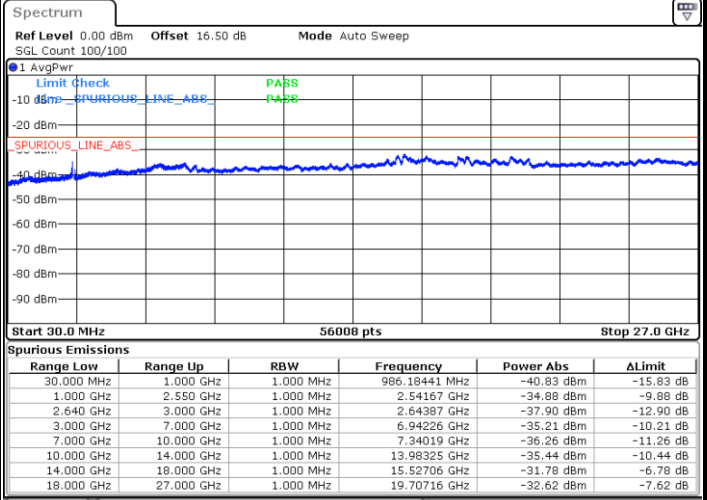
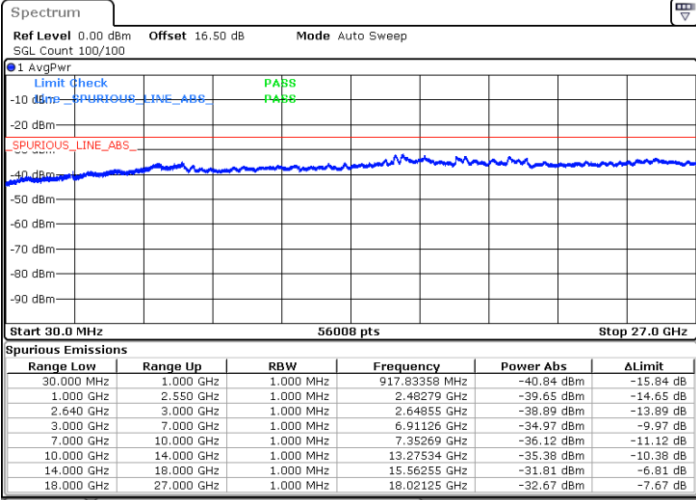
Date: 1.SEP.2022 13:58:10



LTE Band 38 / 15MHz

Lowest Channel / QPSK

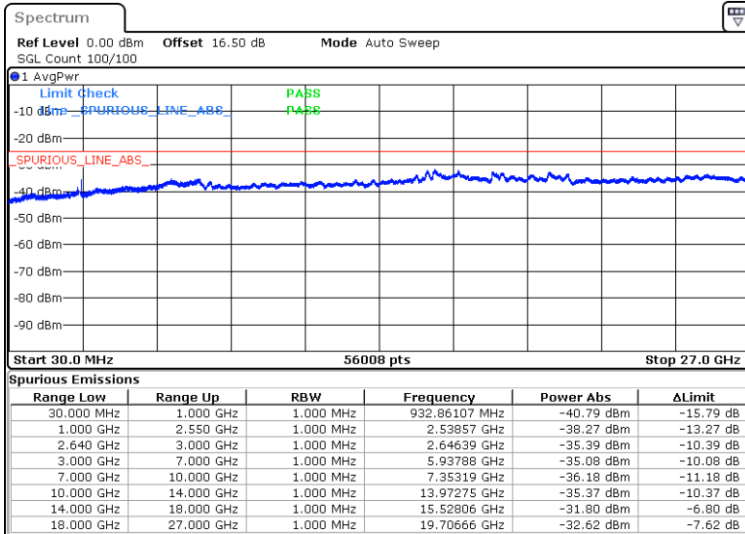
Middle Channel / QPSK



Date: 1.SEP.2022 13:59:24

Date: 1.SEP.2022 14:00:33

Highest Channel / QPSK



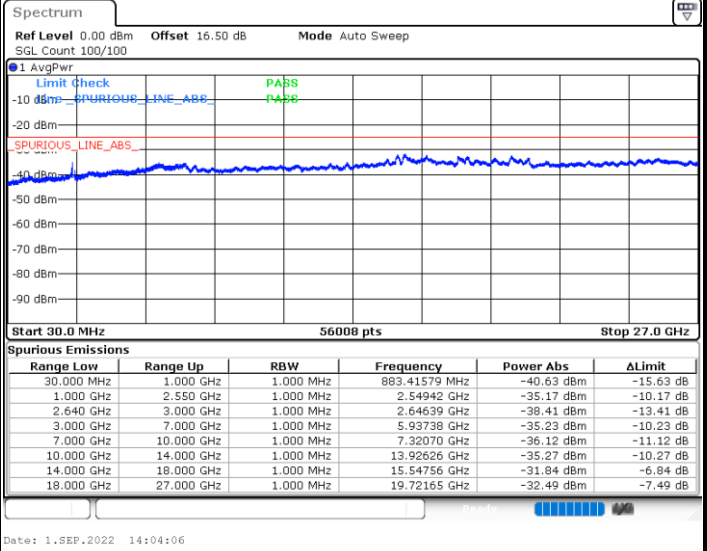
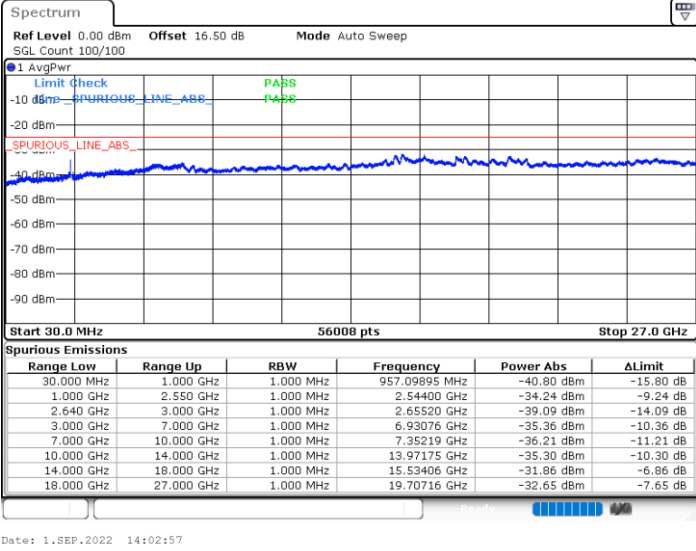
Date: 1.SEP.2022 14:01:43



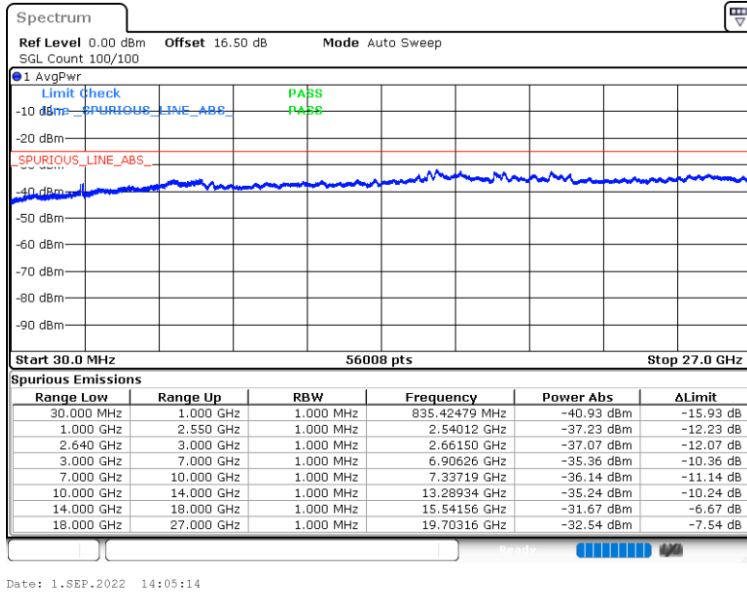
LTE Band 38 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0053	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0047	
20	Battery End Point	0.0048	

Note:

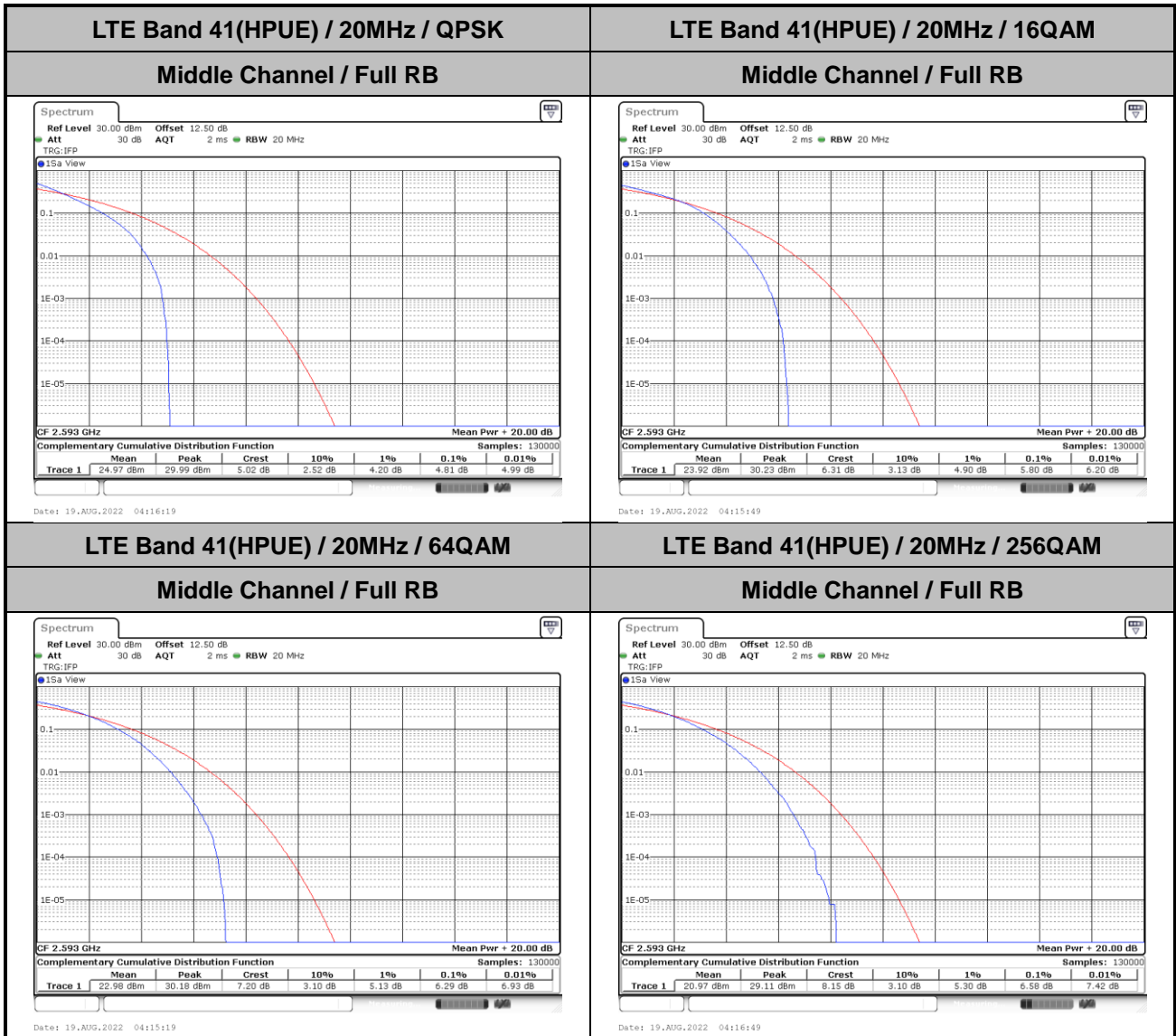
1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.3 V. ; Maximum Voltage = 4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41(HPUE)

Peak-to-Average Ratio

Mode	LTE Band 41(HPUE) / 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	6.29	6.58	PASS





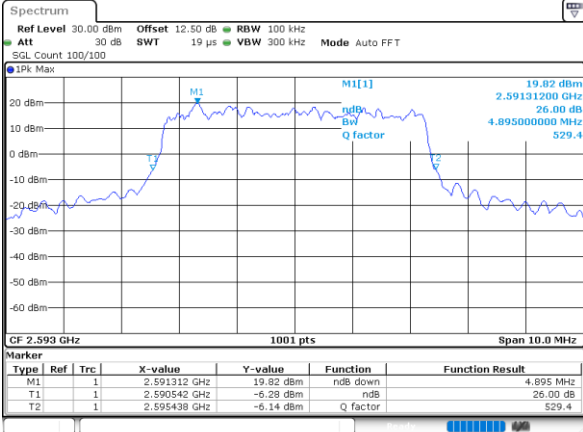
26dB Bandwidth

Mode	LTE Band 41(HPUE) : 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	4.78	9.91	9.95	14.15	14.66	18.62	18.98
Mode	LTE Band 41(HPUE) : 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	-	-	-	-	4.97	4.82	9.97	9.81	14.75	14.15	19.62	19.18



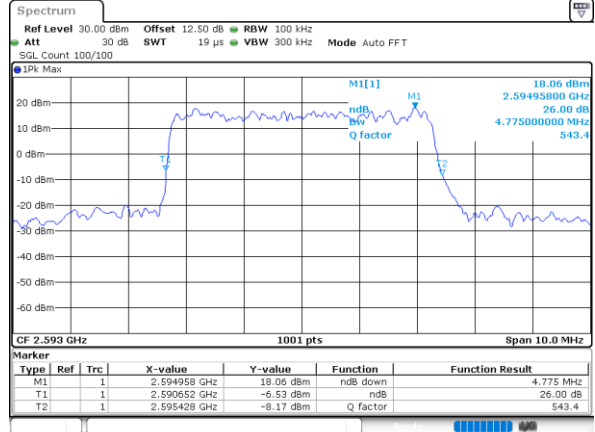
LTE Band 41(HPUe)

Middle Channel / 5MHz / QPSK



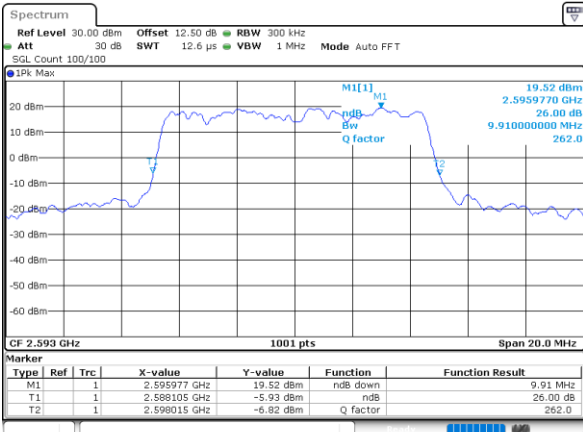
Date: 19_AUG.2022 03:57:02

Middle Channel / 5MHz / 16QAM



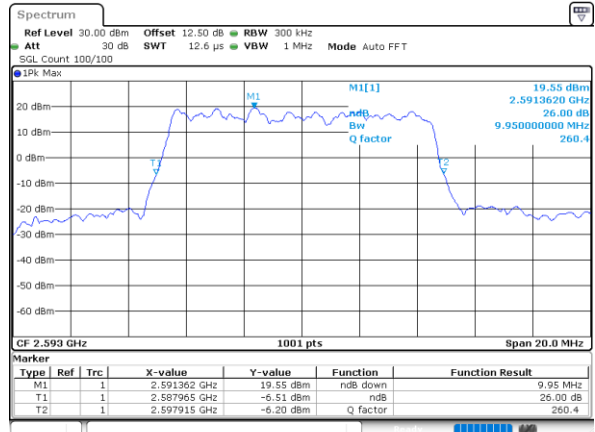
Date: 19_AUG.2022 03:57:131

Middle Channel / 10MHz / QPSK



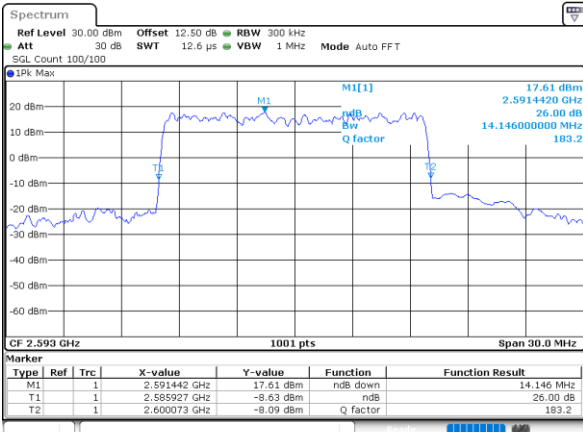
Date: 19_AUG.2022 03:59:03

Middle Channel / 10MHz / 16QAM



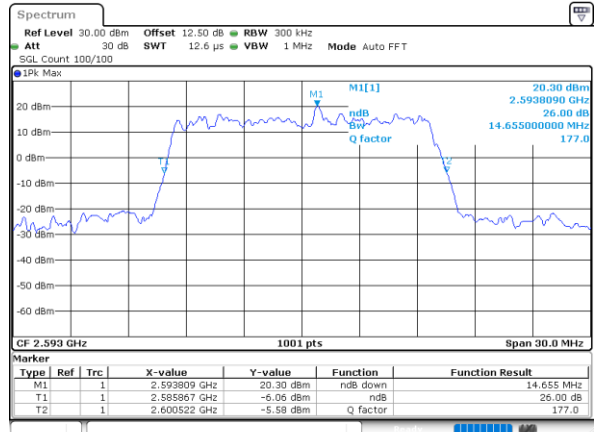
Date: 19_AUG.2022 03:59:132

Middle Channel / 15MHz / QPSK



Date: 19_AUG.2022 04:01:04

Middle Channel / 15MHz / 16QAM

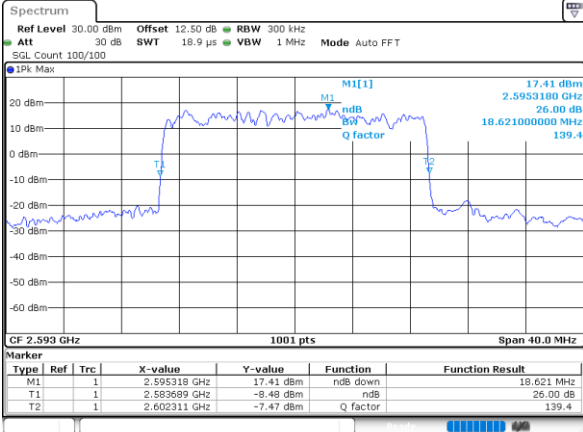


Date: 19_AUG.2022 04:01:133



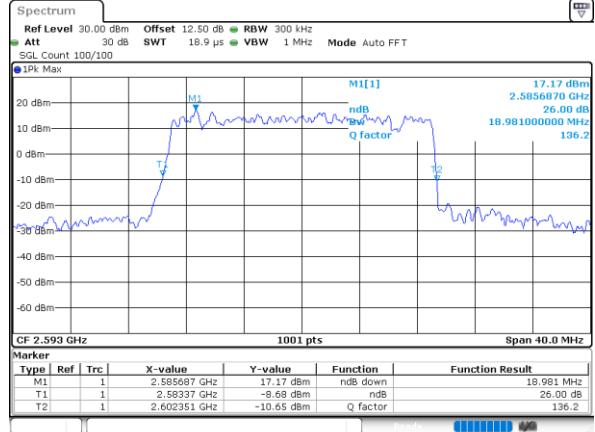
LTE Band 41(HPUe)

Middle Channel / 20MHz / QPSK



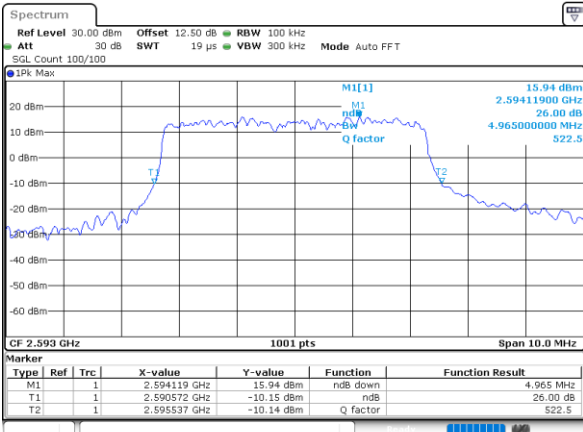
Date: 19_AUG.2022 04:03:05

Middle Channel / 20MHz / 16QAM



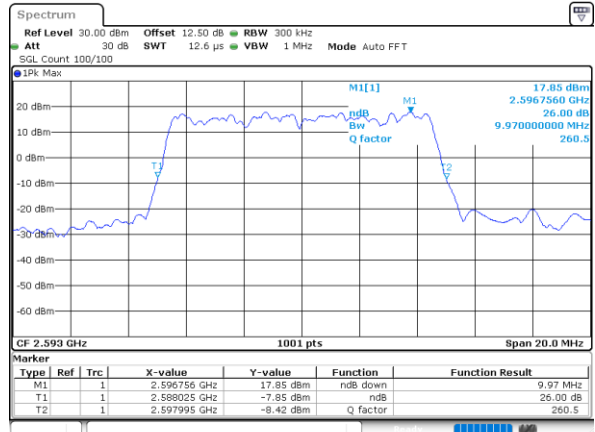
Date: 19_AUG.2022 04:03:34

Middle Channel / 5MHz / 64QAM



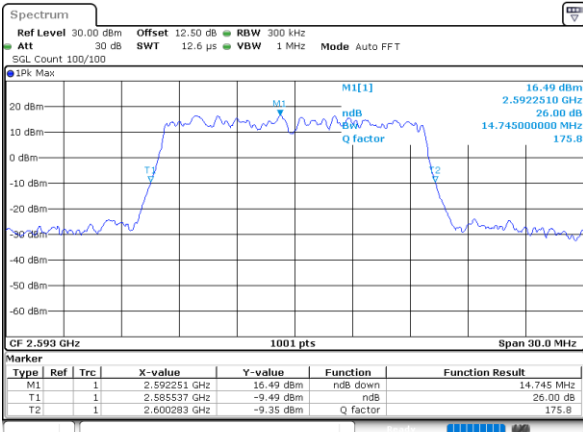
Date: 19_AUG.2022 04:05:07

Middle Channel / 10MHz / 64QAM



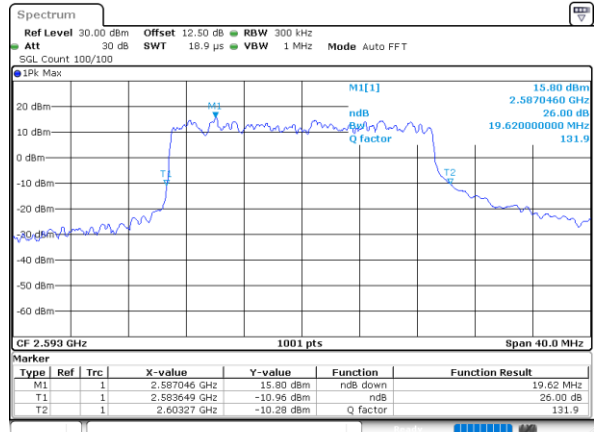
Date: 19_AUG.2022 04:07:08

Middle Channel / 15MHz / 64QAM



Date: 19_AUG.2022 04:09:09

Middle Channel / 20MHz / 64QAM

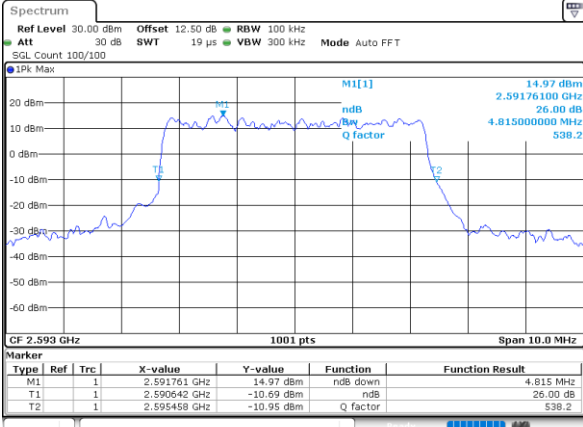


Date: 19_AUG.2022 04:11:420



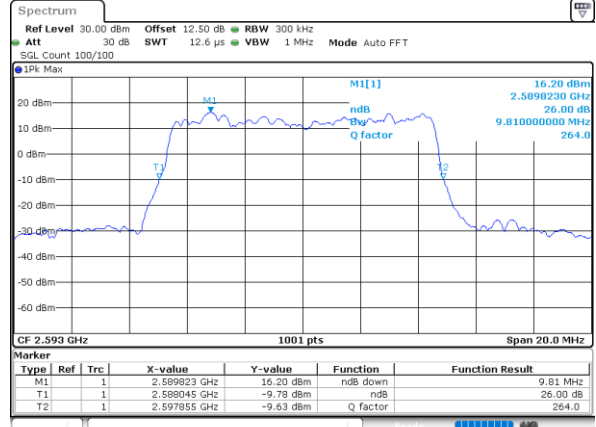
LTE Band 41(HPUe)

Middle Channel / 5MHz / 256QAM



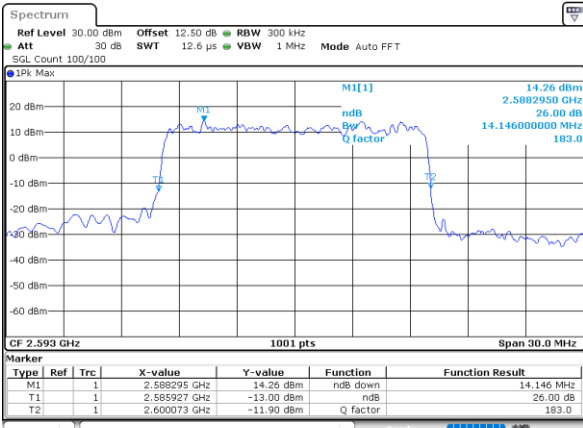
Date: 19_AUG.2022 04:05:36

Middle Channel / 10MHz / 256QAM



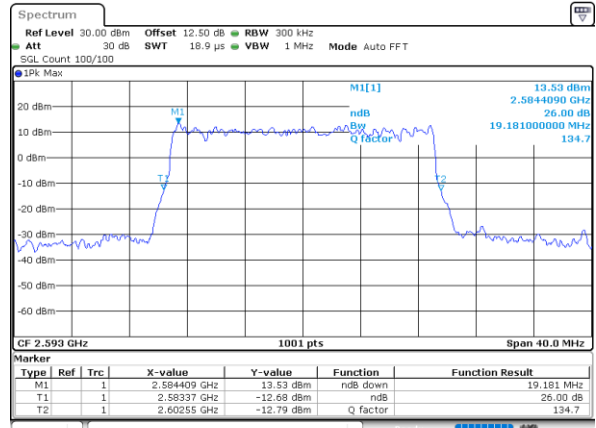
Date: 19_AUG.2022 04:07:37

Middle Channel / 15MHz / 256QAM



Date: 19_AUG.2022 04:09:38

Middle Channel / 20MHz / 256QAM



Date: 19_AUG.2022 04:14:49



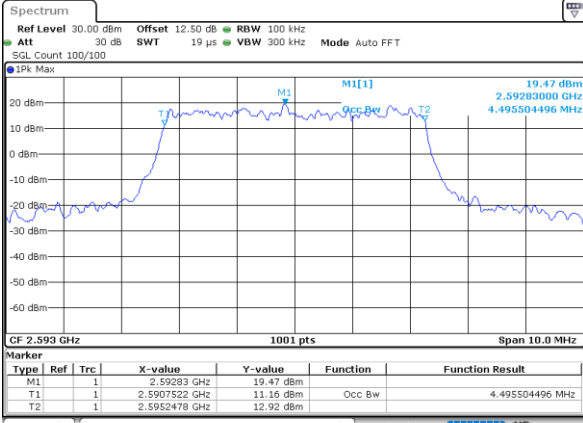
Occupied Bandwidth

Mode	LTE Band 41(HPUE) : 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	-	-	-	-	4.50	4.51	9.07	9.07	13.43	13.34	17.82	17.90
Mode	LTE Band 41(HPUE) : 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	-	-	-	-	4.50	4.47	9.09	9.09	13.43	13.46	17.98	17.90



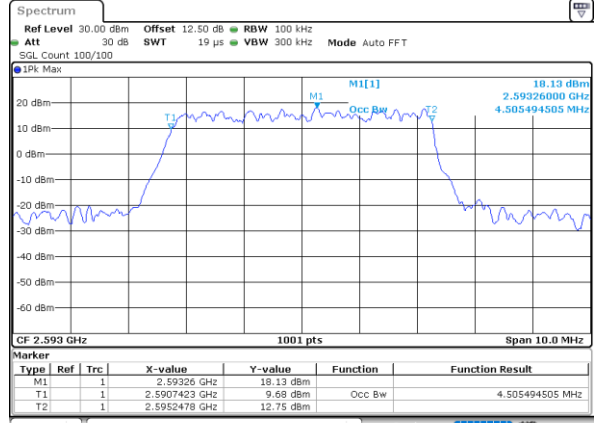
LTE Band 41(HPUe)

Middle Channel / 5MHz / QPSK



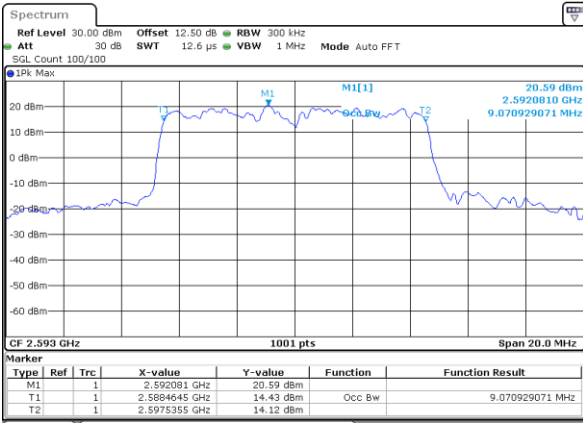
Date: 19_AUG.2022 03:56:04

Middle Channel / 5MHz / 16QAM



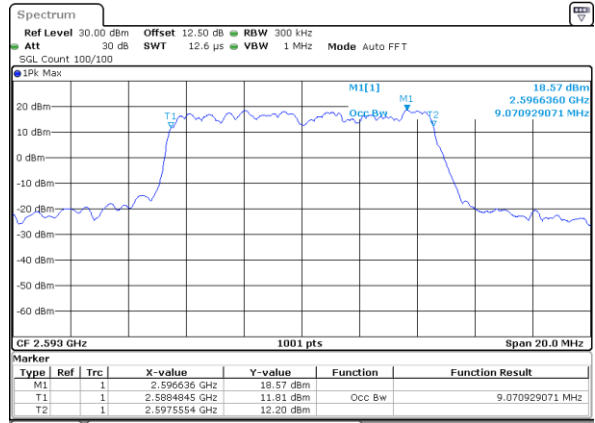
Date: 19_AUG.2022 03:56:33

Middle Channel / 10MHz / QPSK



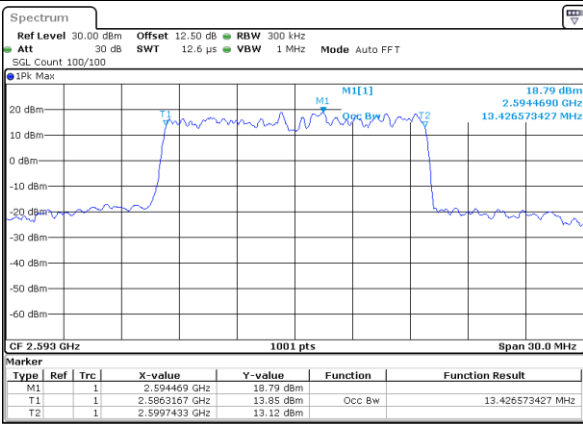
Date: 19_AUG.2022 03:58:06

Middle Channel / 10MHz / 16QAM



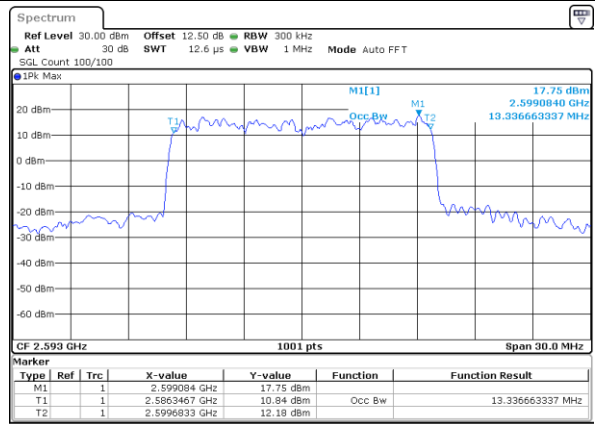
Date: 19_AUG.2022 03:58:35

Middle Channel / 15MHz / QPSK



Date: 19_AUG.2022 04:00:07

Middle Channel / 15MHz / 16QAM

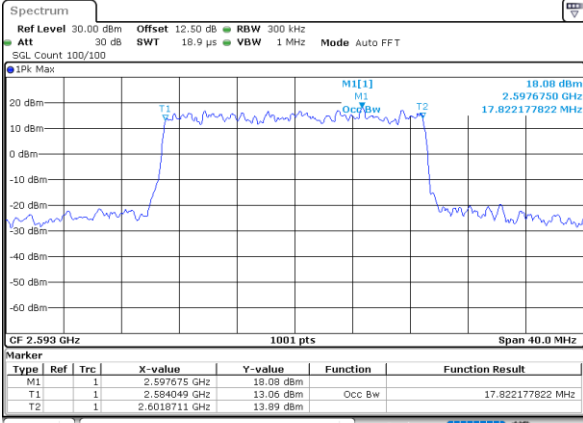


Date: 19_AUG.2022 04:00:36



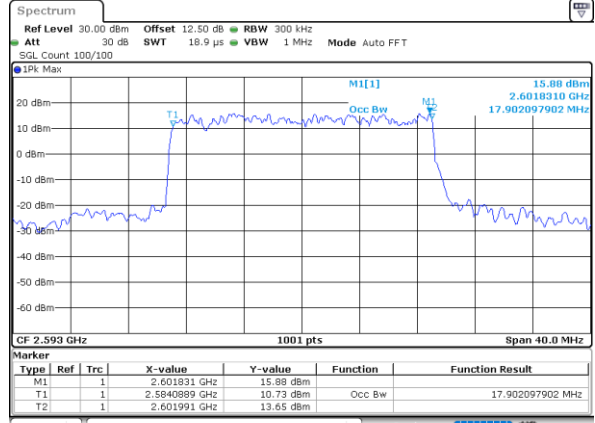
LTE Band 41(HPUe)

Middle Channel / 20MHz / QPSK



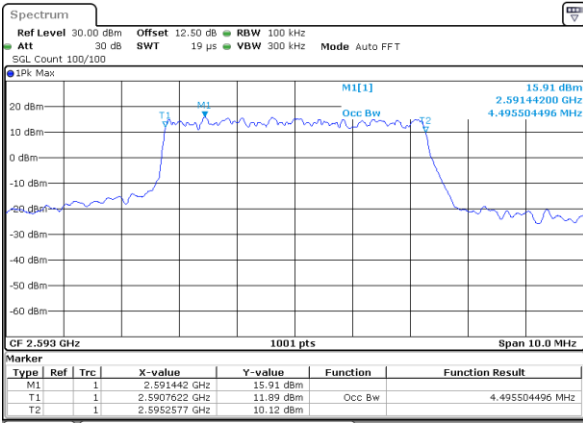
Date: 19_AUG.2022 04:02:08

Middle Channel / 20MHz / 16QAM



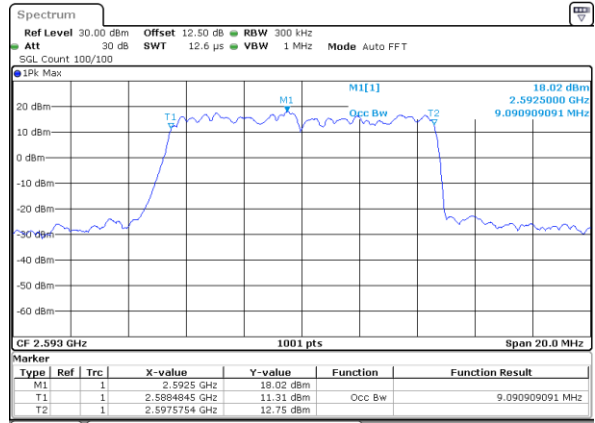
Date: 19_AUG.2022 04:02:36

Middle Channel / 5MHz / 64QAM



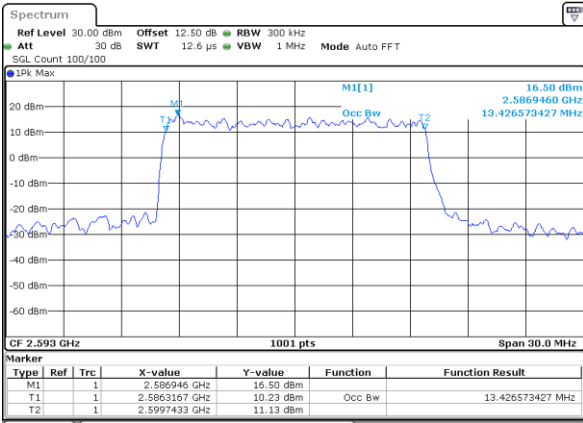
Date: 19_AUG.2022 04:04:09

Middle Channel / 10MHz / 64QAM



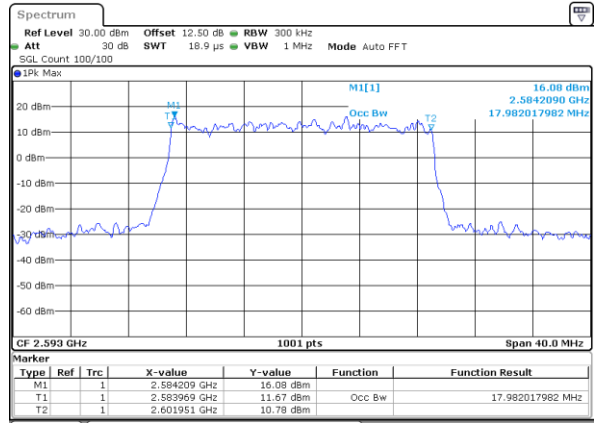
Date: 19_AUG.2022 04:06:11

Middle Channel / 15MHz / 64QAM



Date: 19_AUG.2022 04:08:11

Middle Channel / 20MHz / 64QAM

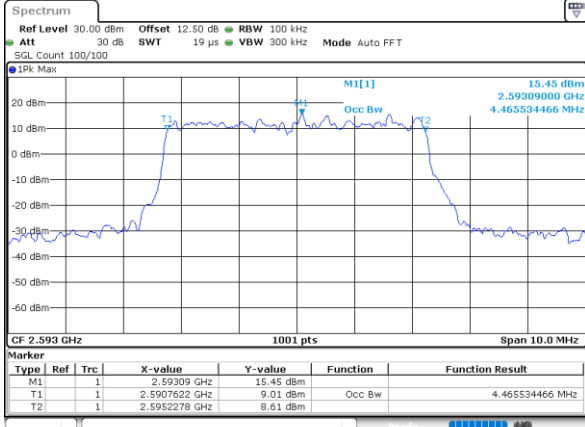


Date: 19_AUG.2022 04:13:22



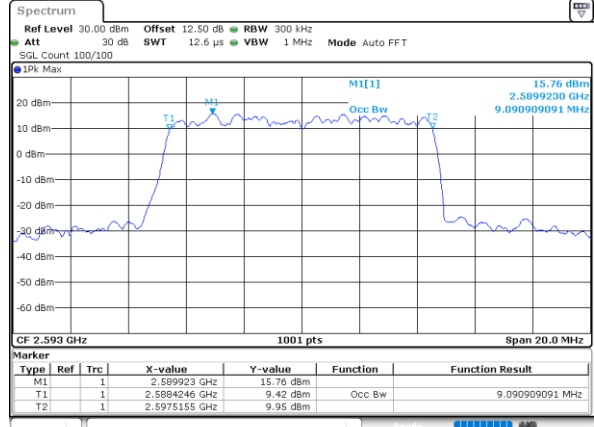
LTE Band 41(HPUe)

Middle Channel / 5MHz / 256QAM



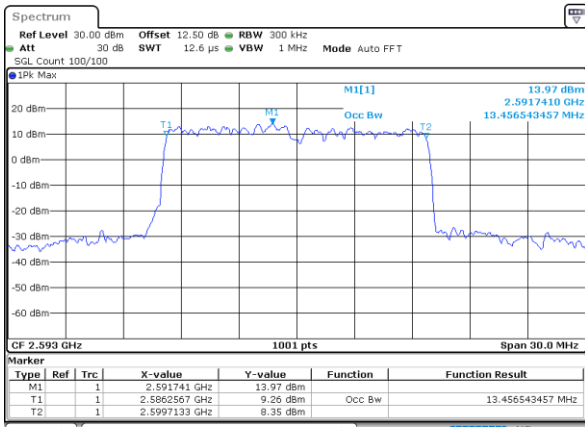
Date: 19_AUG.2022 04:04:38

Middle Channel / 10MHz / 256QAM



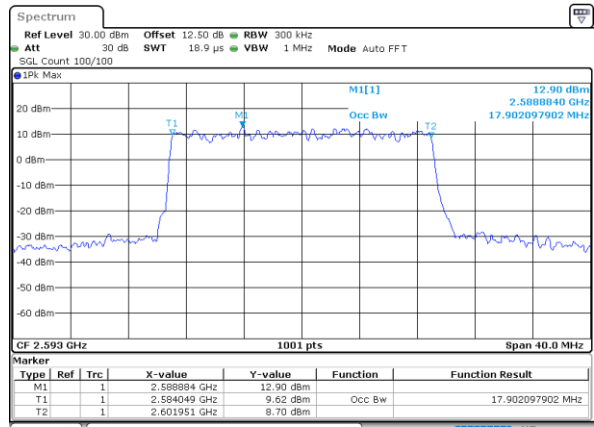
Date: 19_AUG.2022 04:06:39

Middle Channel / 15MHz / 256QAM



Date: 19_AUG.2022 04:08:40

Middle Channel / 20MHz / 256QAM



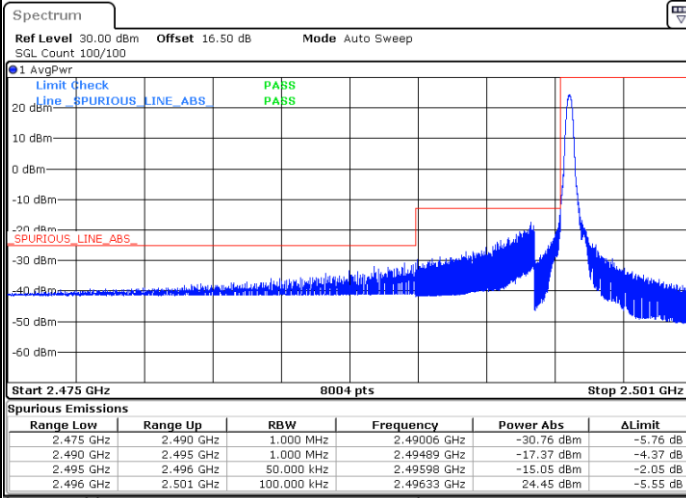
Date: 19_AUG.2022 04:13:51



Conducted Band Edge

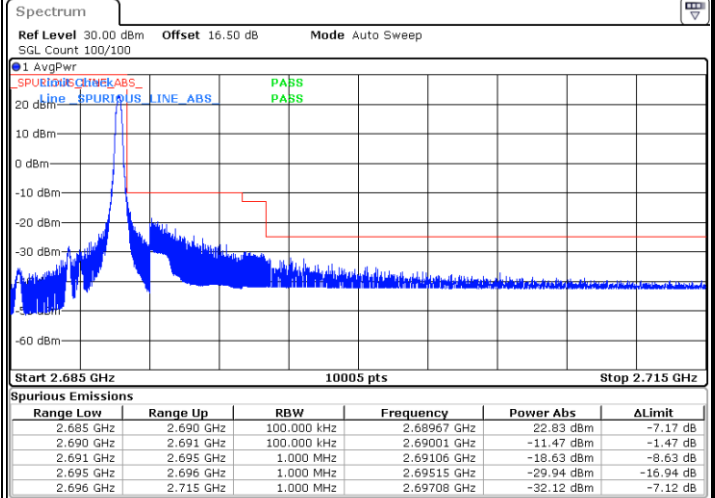
LTE Band 41(HPUE) / 5MHz / QPSK

Lowest Band Edge / 1 RB



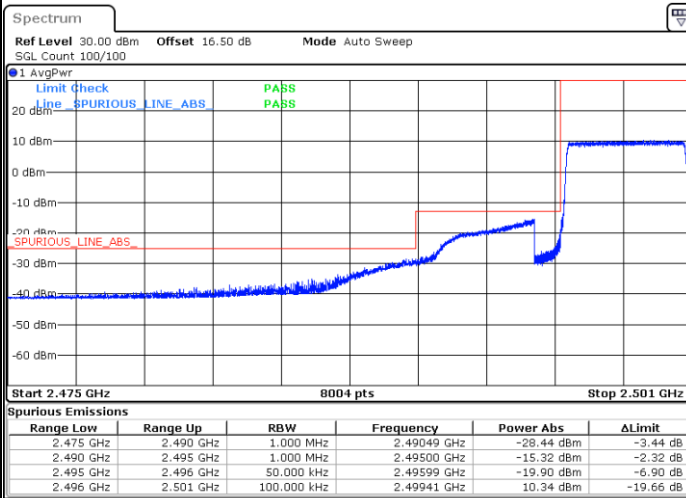
Date: 19.AUG.2022 04:17:53

Highest Band Edge / 1 RB



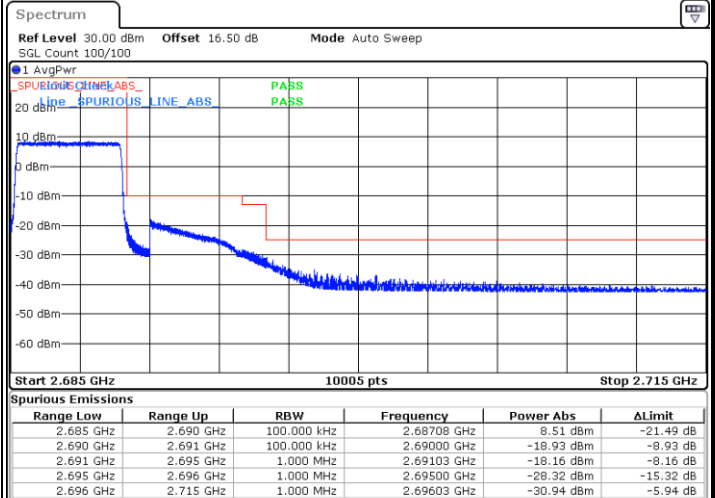
Date: 19.AUG.2022 08:57:58

Lowest Band Edge / Full RB



Date: 19.AUG.2022 04:19:51

Highest Band Edge / Full RB



Date: 19.AUG.2022 04:23:46