

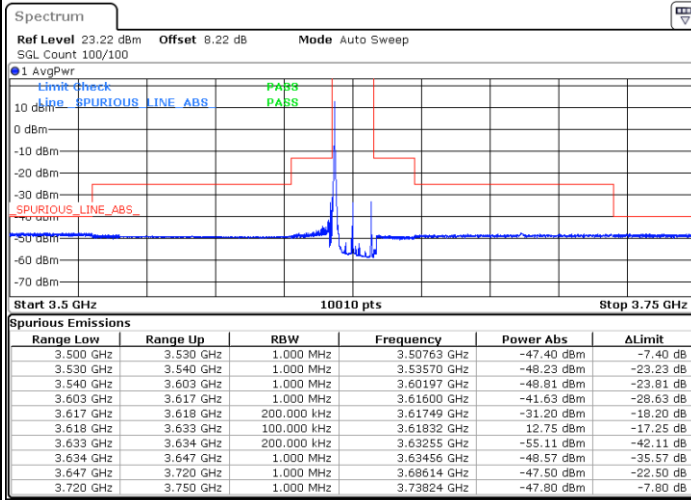


LTE Band 48 / 15MHz

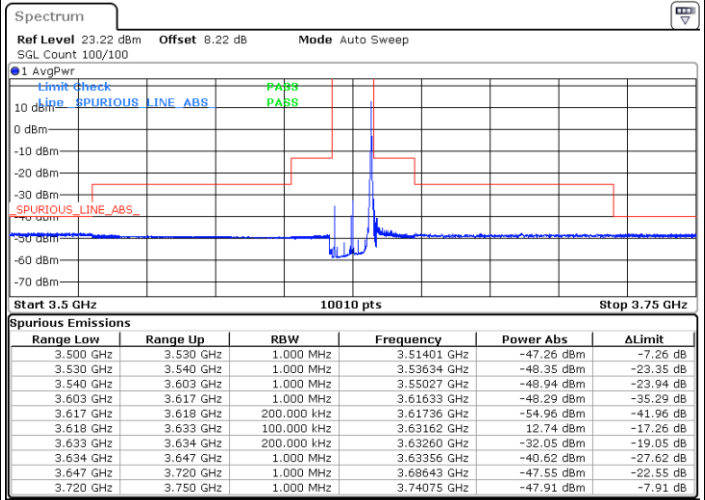
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



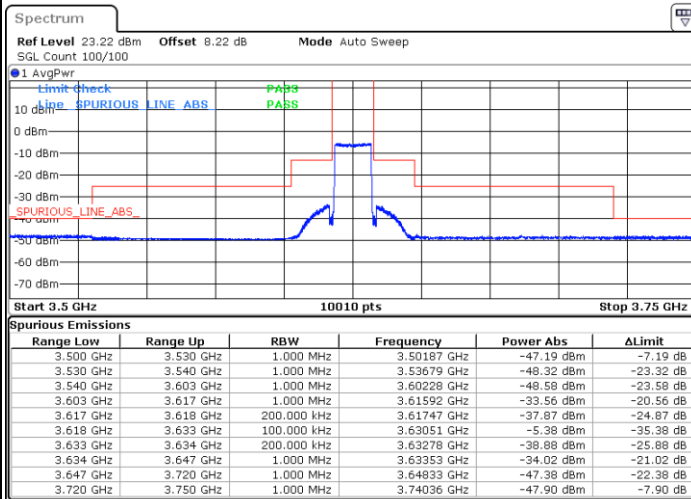
Date: 27.JUL.2021 14:33:32



Date: 27.JUL.2021 14:24:13

Middle Channel / FullRB

N/A



Date: 27.JUL.2021 14:36:12

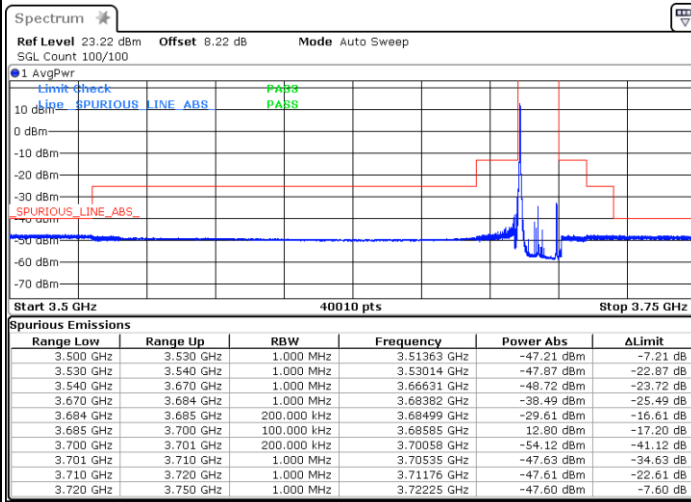


LTE Band 48 / 15MHz

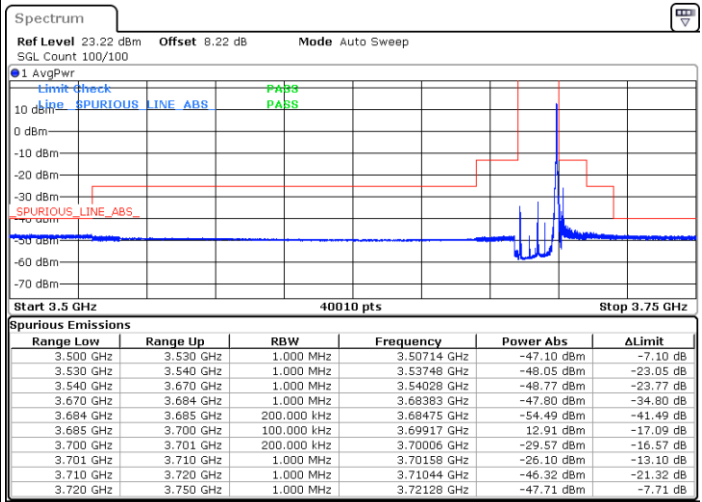
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



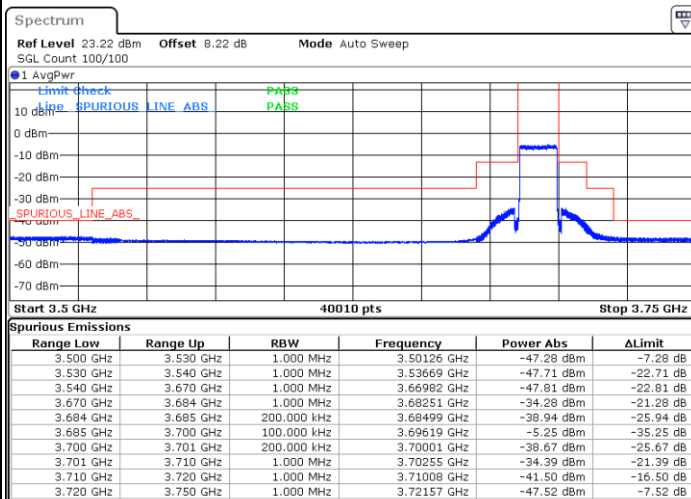
Date: 27.JUL.2021 14:47:59



Date: 27.JUL.2021 14:56:30

Highest Channel / FullRB

N/A



Date: 27.JUL.2021 14:44:39

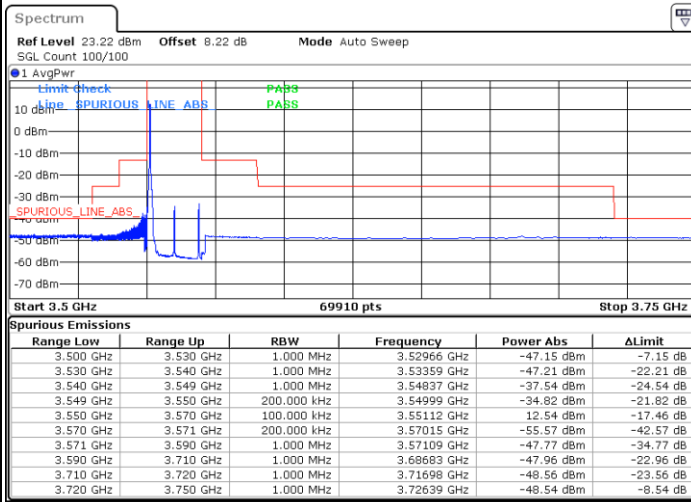


LTE Band 48 / 20MHz

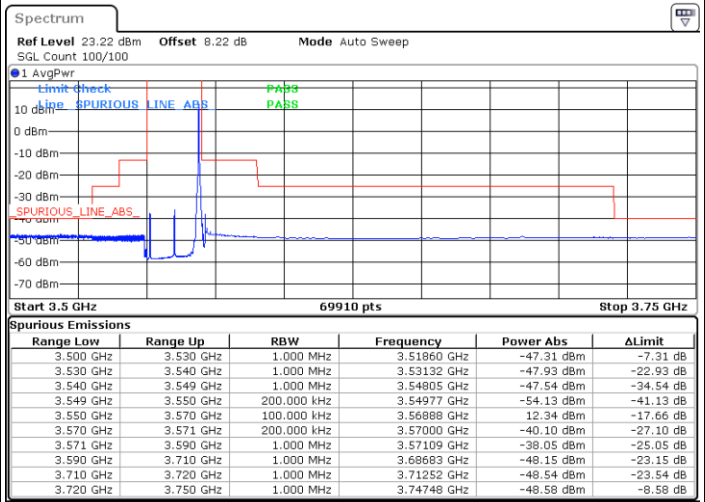
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



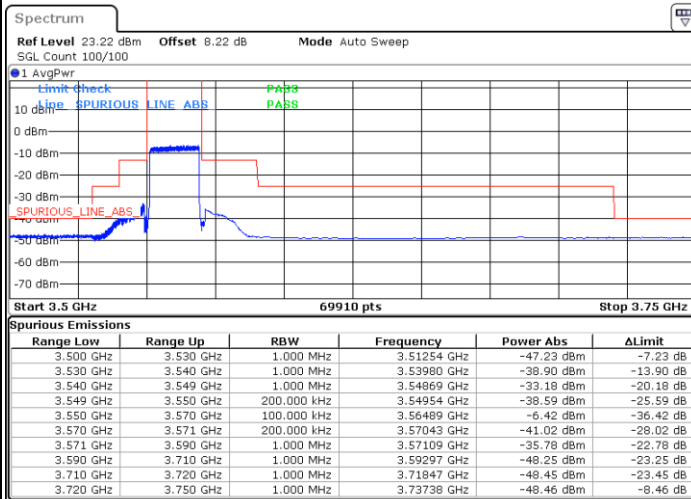
Date: 27.JUL.2021 15:32:38



Date: 27.JUL.2021 15:48:16

Lowest Channel / FullRB

N/A



Date: 27.JUL.2021 15:27:38

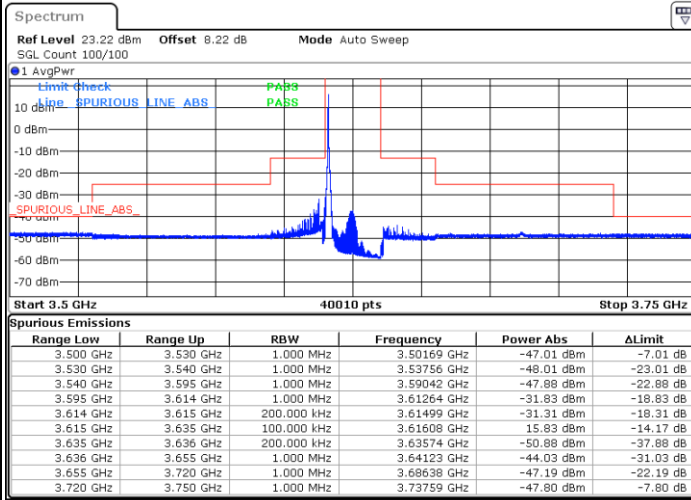


LTE Band 48 / 20MHz

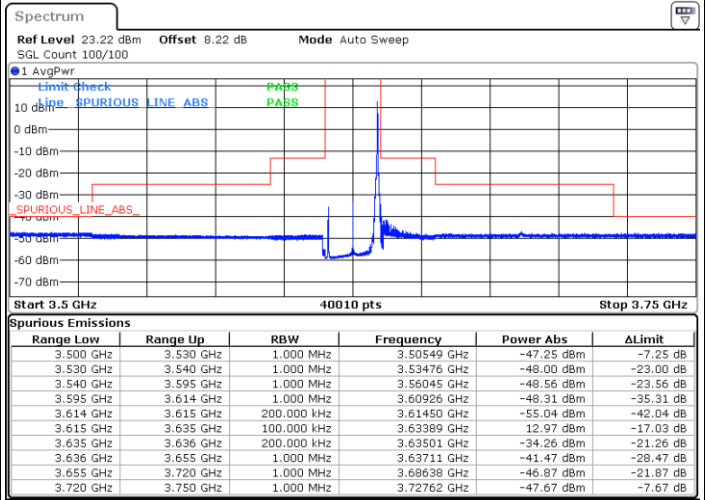
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



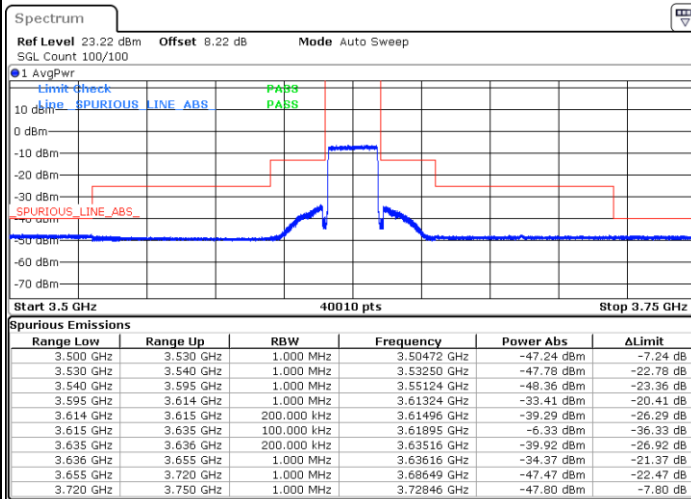
Date: 27.JUL.2021 16:17:03



Date: 27.JUL.2021 16:10:16

Middle Channel / FullIRB

N/A



Date: 27.JUL.2021 16:21:59

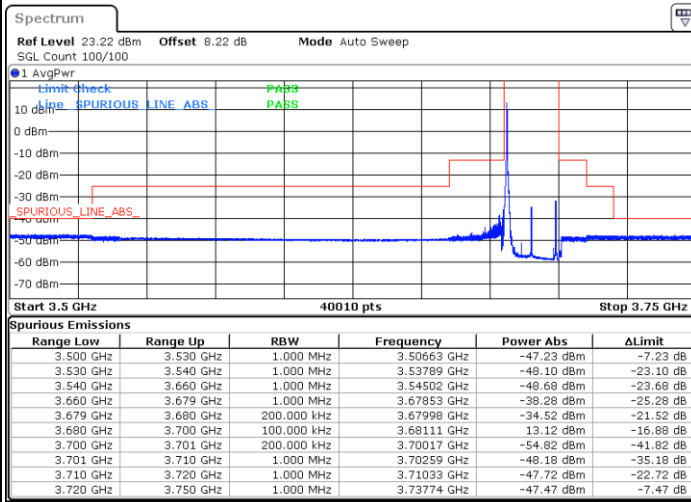


LTE Band 48 / 20MHz

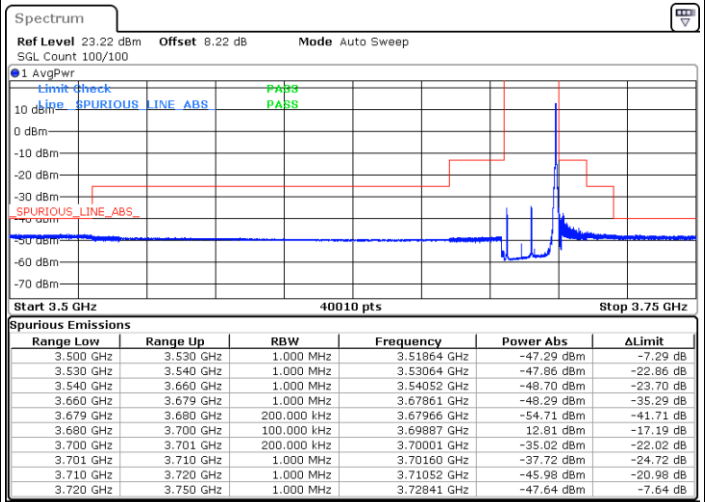
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



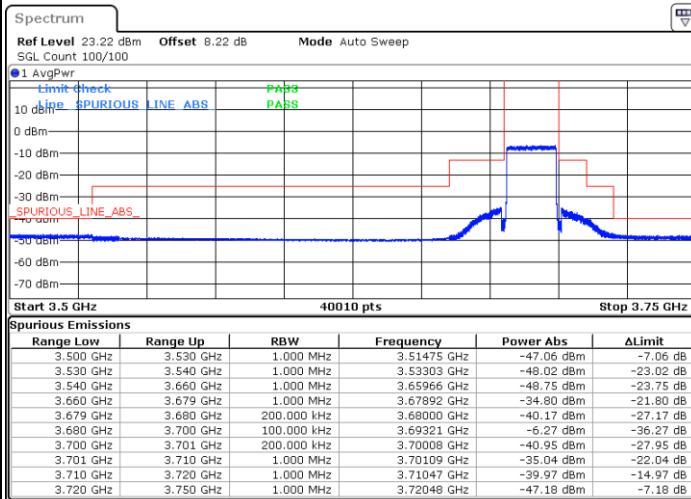
Date: 27.JUL.2021 16:38:41



Date: 27.JUL.2021 16:51:59

Highest Channel / FullIRB

N/A



Date: 27.JUL.2021 16:35:09



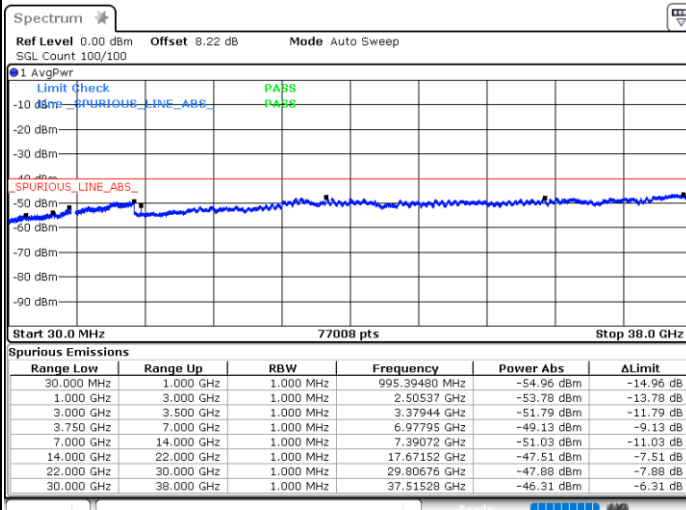
Conducted Spurious Emission

LTE Band 48 / 5MHz

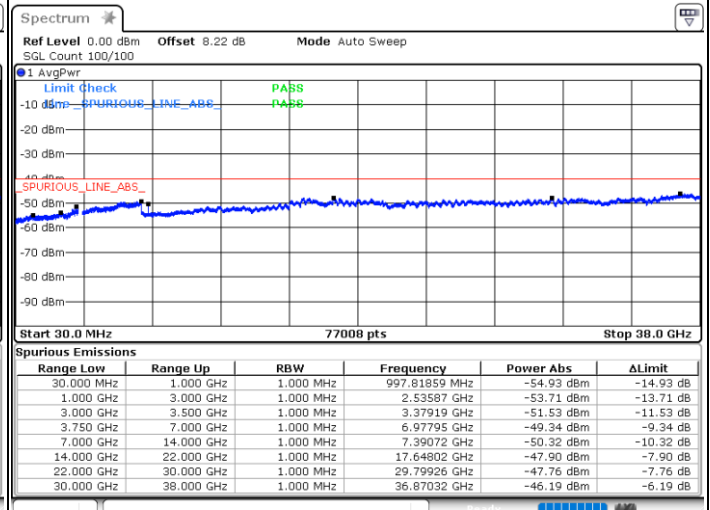
QPSK / 1RB0

Lowest Channel

Middle Channel

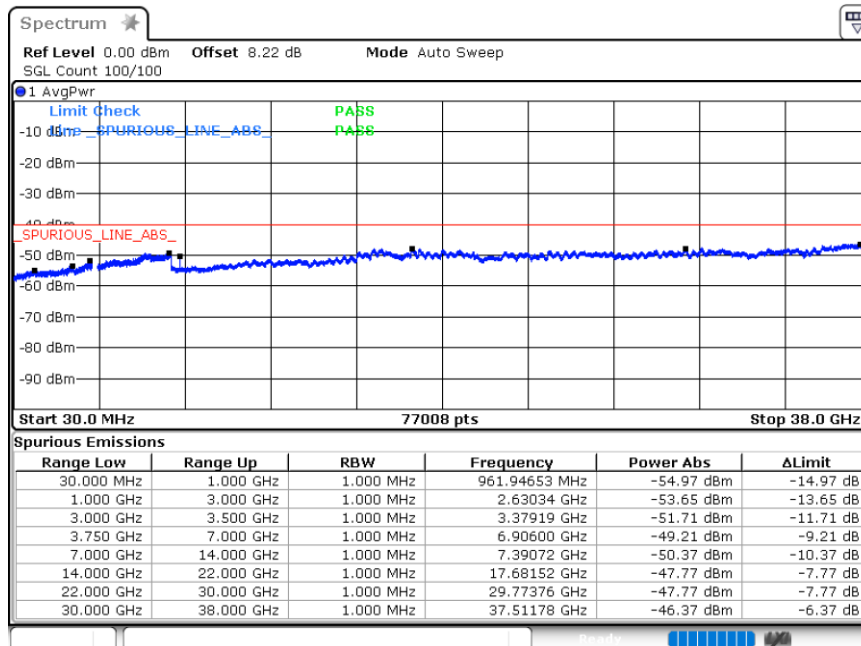


Date: 27.JUL.2021 12:17:42



Date: 27.JUL.2021 12:13:19

Highest Channel



Date: 27.JUL.2021 12:15:46

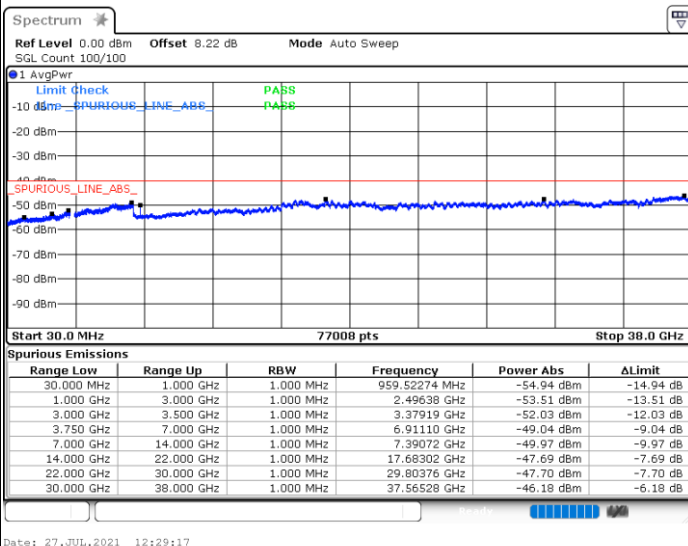
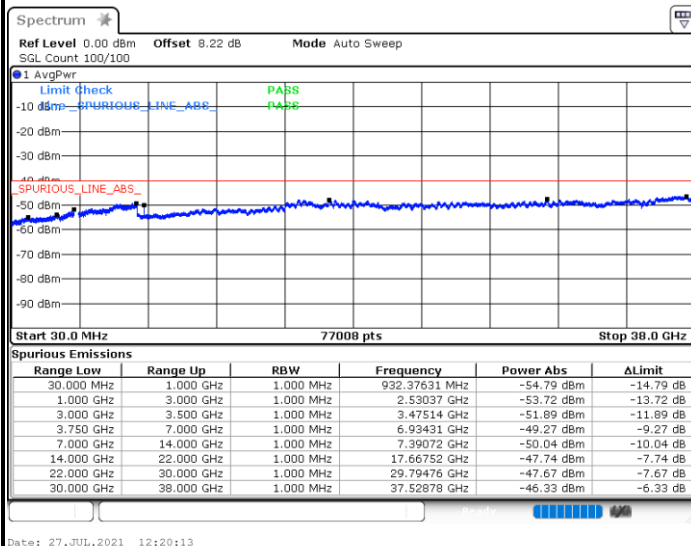


LTE Band 48 / 10MHz

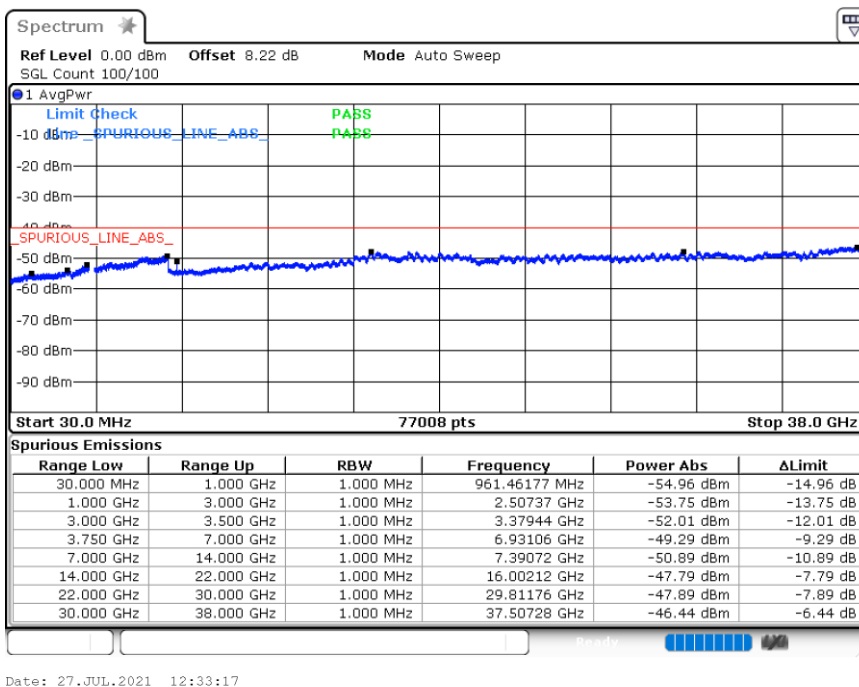
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



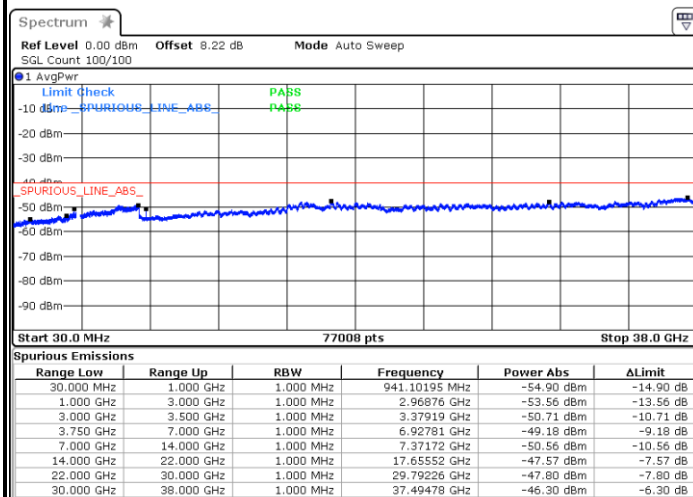


LTE Band 48 / 15MHz

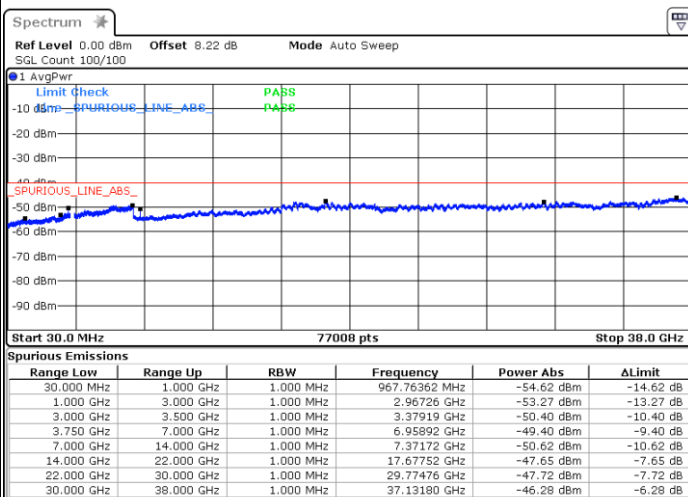
QPSK / 1RB0

Lowest Channel

Middle Channel

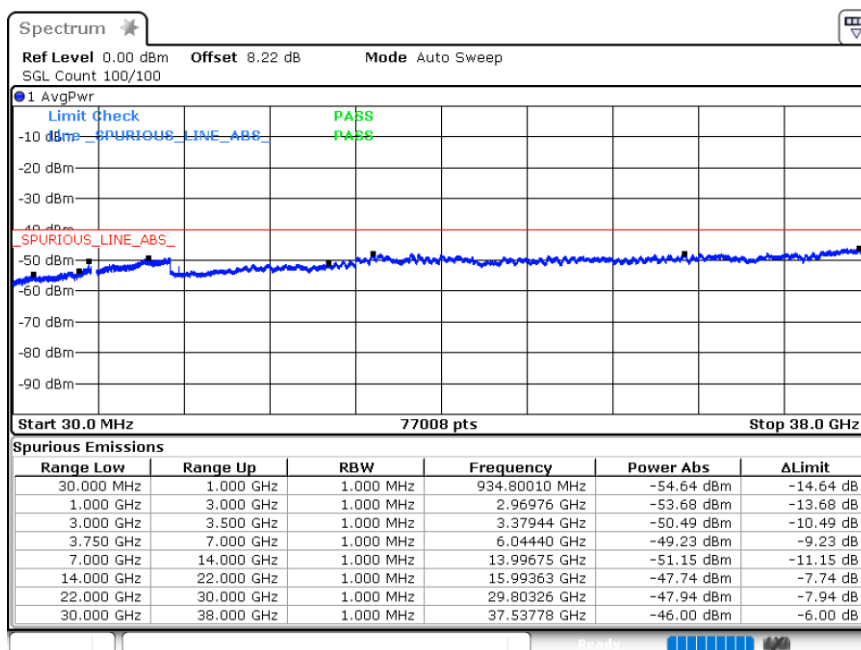


Date: 27.JUL.2021 15:06:03



Date: 27.JUL.2021 15:02:48

Highest Channel

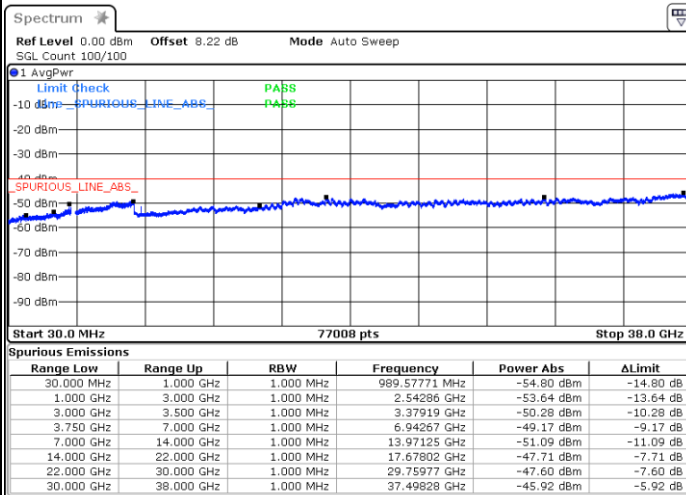


Date: 27.JUL.2021 15:00:15

LTE Band 48 / 20MHz

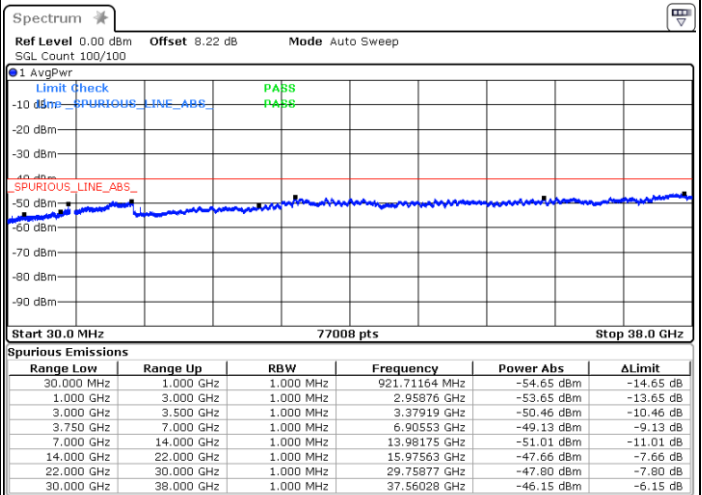
QPSK / 1RB0

Lowest Channel



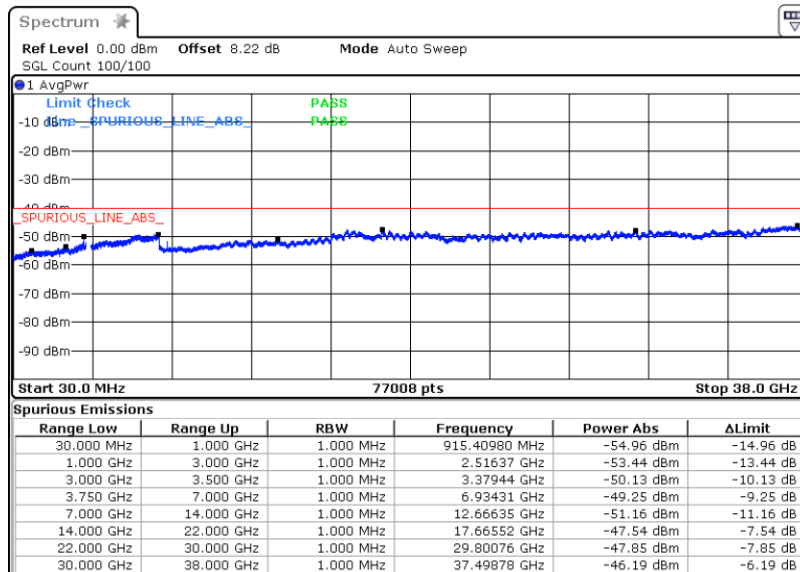
Date: 27.JUL.2021 17:15:44

Middle Channel



Date: 27.JUL.2021 16:56:33

Highest Channel



Date: 27.JUL.2021 16:55:06

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0042	

Note:

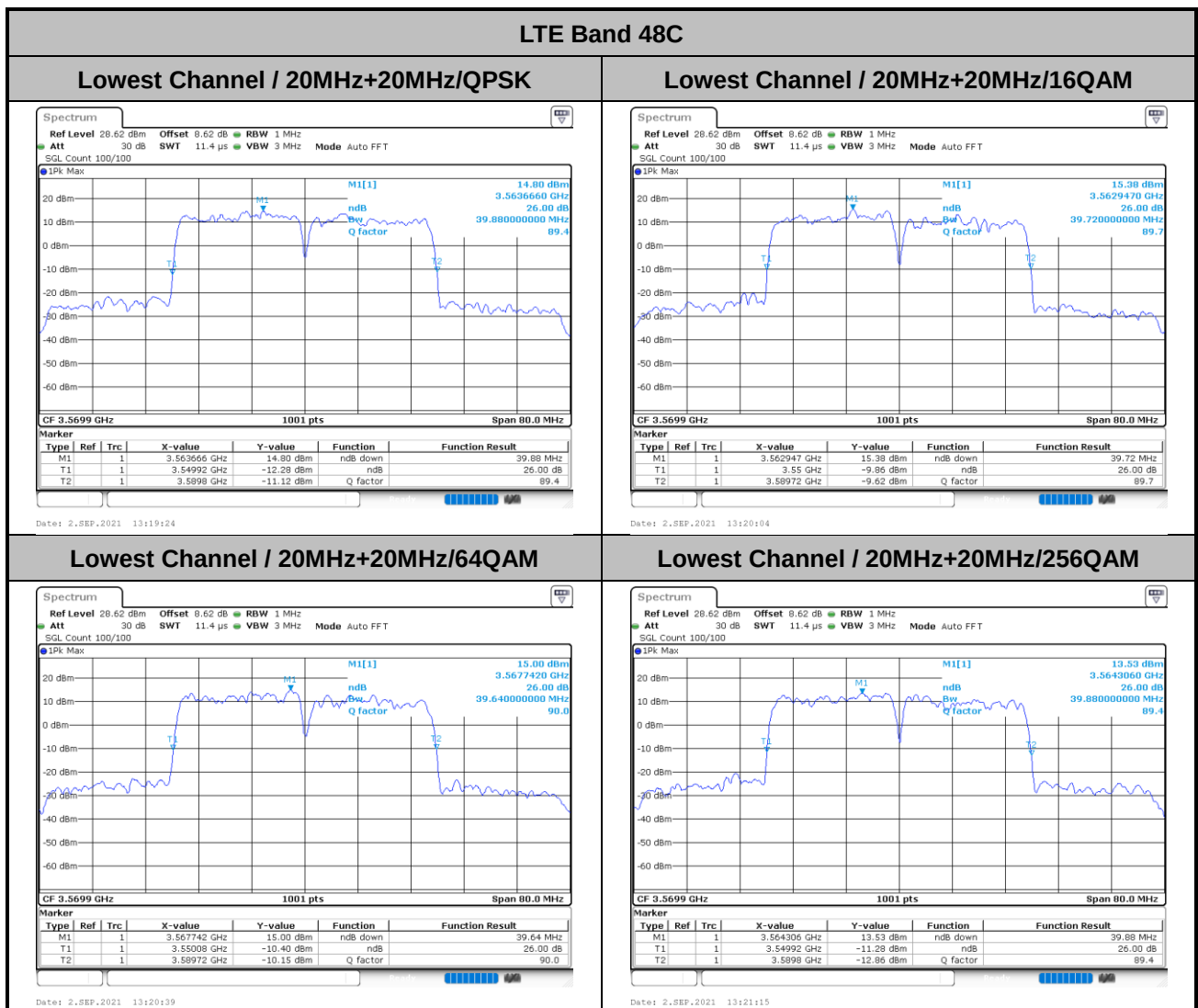
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

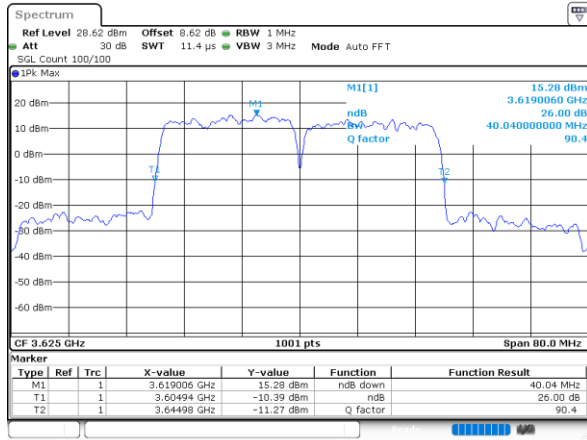
26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK	QPSK	16QAM	64QAM	256QAM
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	39.88	39.72	39.64	39.88
Middle CH	40.04	39.80	39.80	39.80
Highest CH	39.72	39.80	39.64	39.72

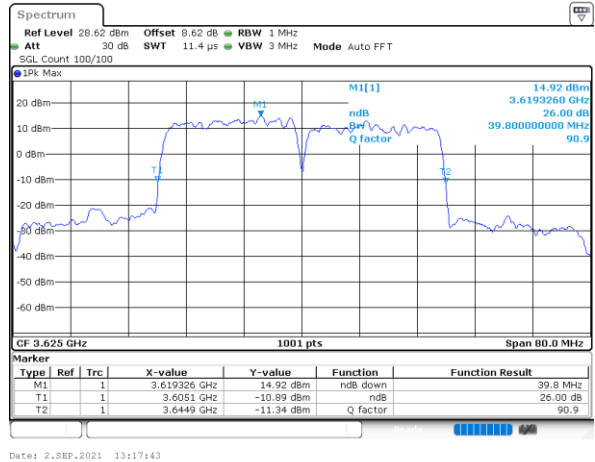


LTE Band 48C

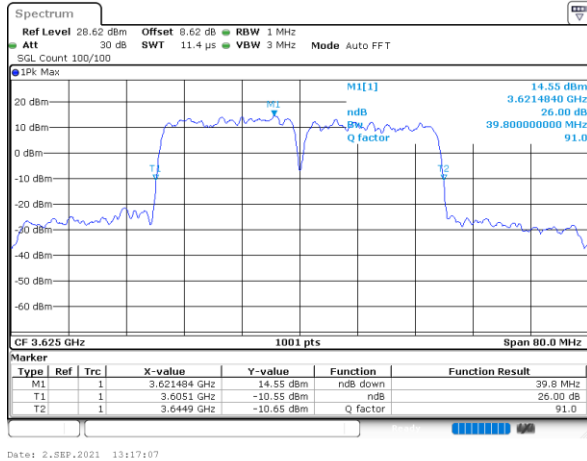
Middle Channel / 20MHz+20MHz/QPSK



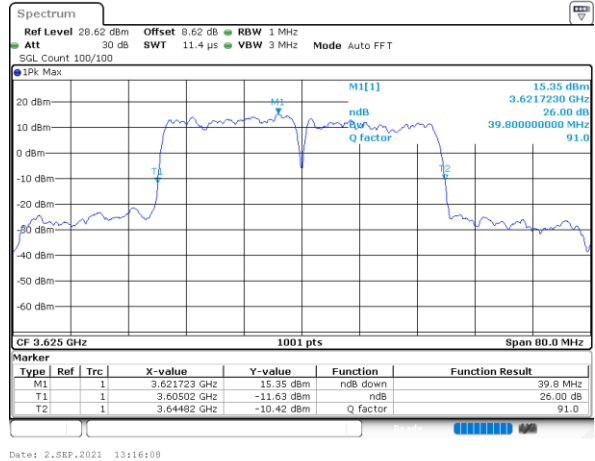
Middle Channel / 20MHz+20MHz/16QAM



Middle Channel / 20MHz+20MHz/64QAM



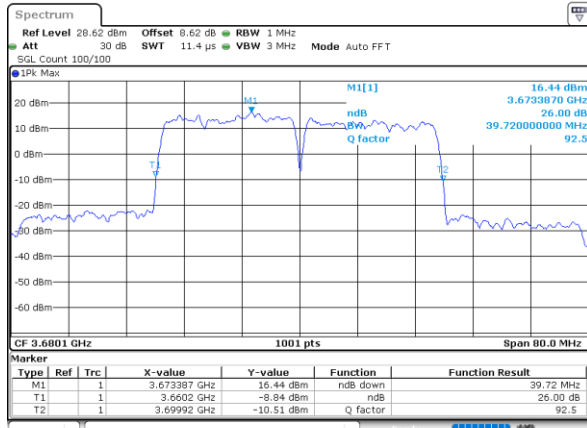
Middle Channel / 20MHz+20MHz/256QAM



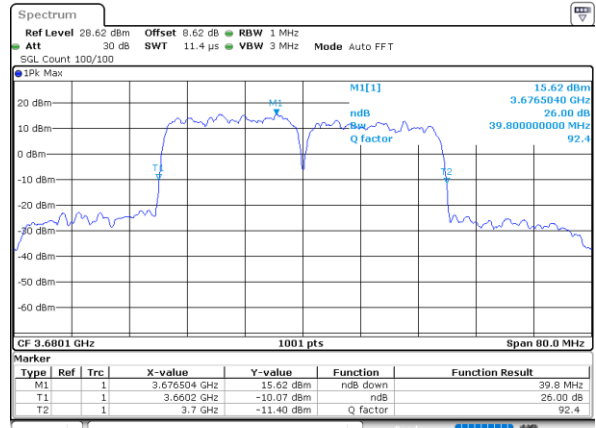


LTE Band 48C

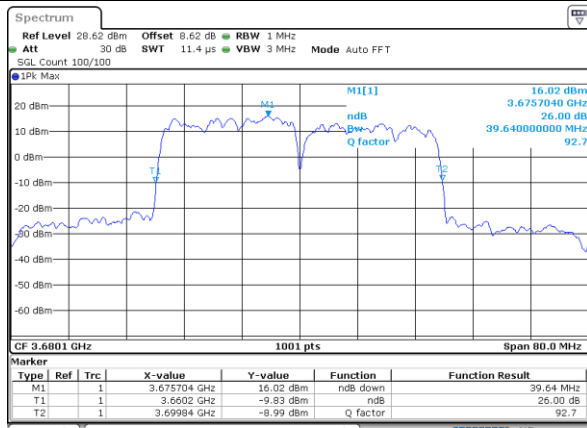
Highest Channel / 20MHz+20MHz/QPSK



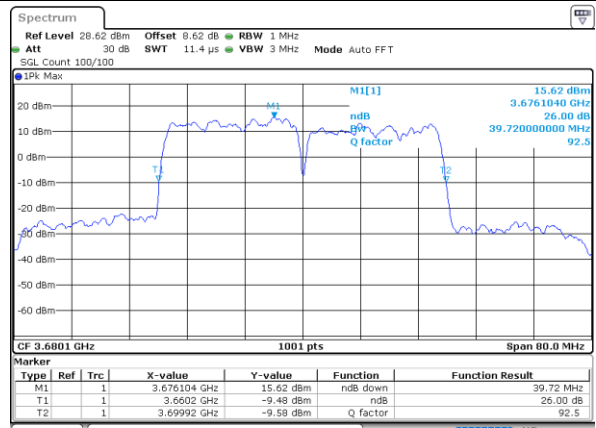
Highest Channel / 20MHz+20MHz/16QAM



Highest Channel / 20MHz+20MHz/64QAM

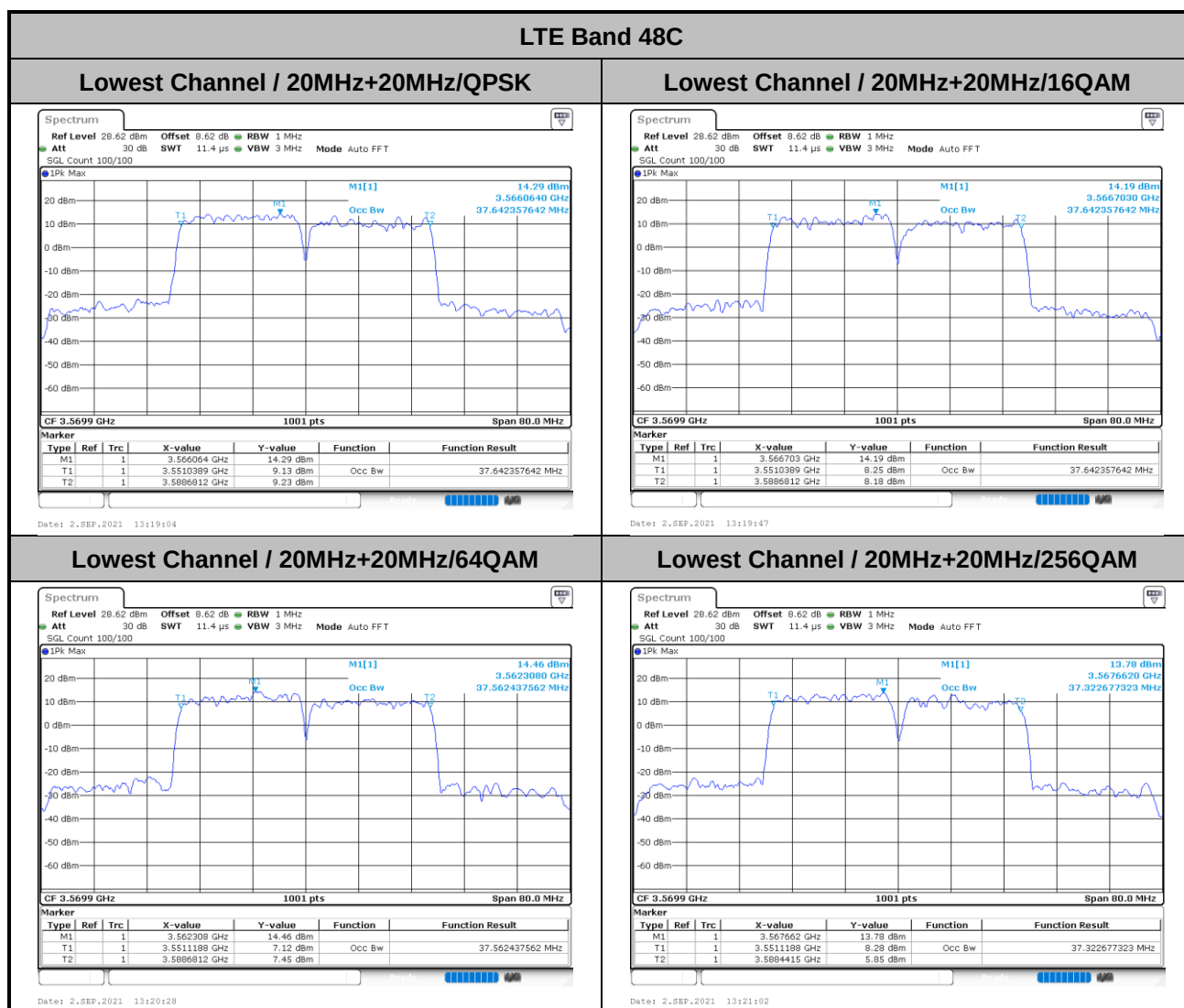


Highest Channel / 20MHz+20MHz/256QAM



Occupied Bandwidth

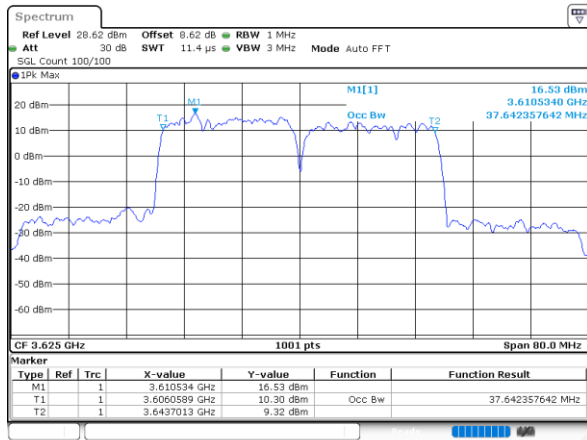
Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK	QPSK	16QAM	64QAM	256QAM
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	37.64	37.64	37.56	37.32
Middle CH	37.64	37.64	37.72	37.64
Highest CH	37.56	37.96	37.48	37.72



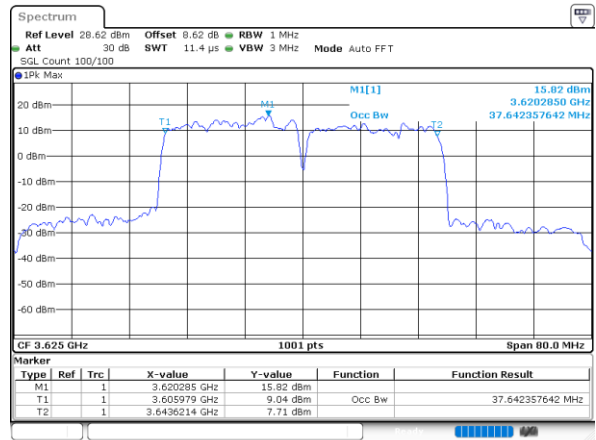


LTE Band 48C

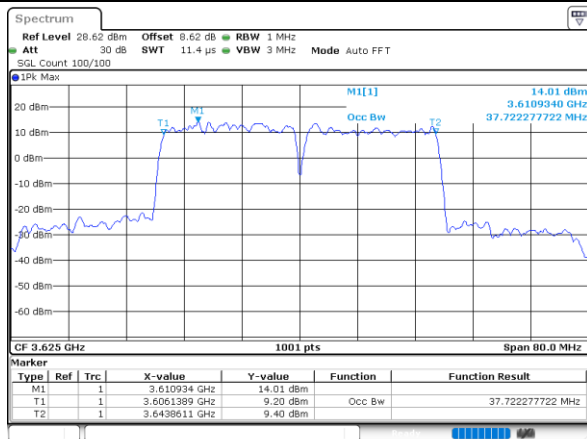
Middle Channel / 20MHz+20MHz/QPSK



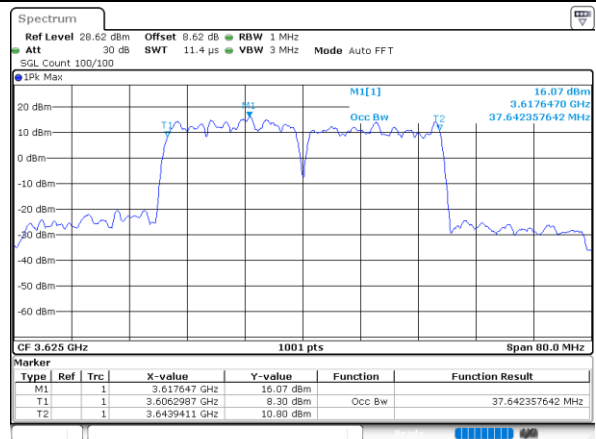
Middle Channel / 20MHz+20MHz/16QAM



Middle Channel / 20MHz+20MHz/64QAM



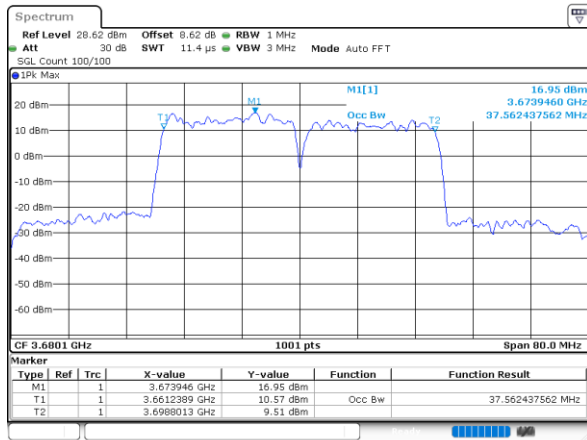
Middle Channel / 20MHz+20MHz/256QAM



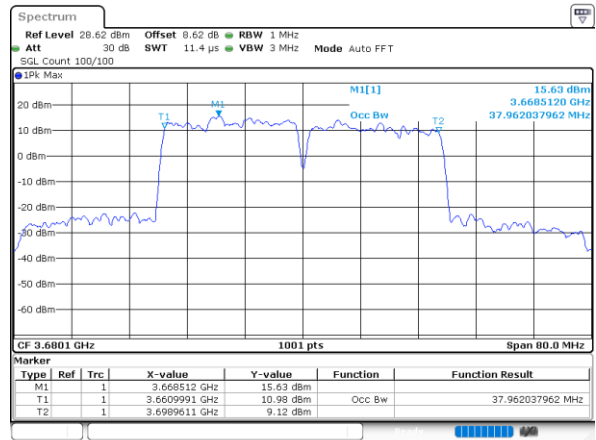


LTE Band 48C

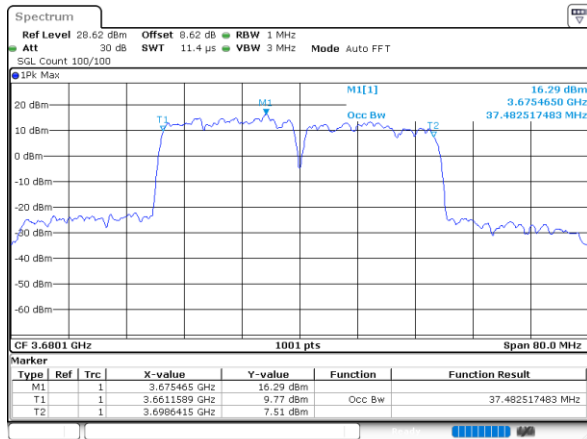
Highest Channel / 20MHz+20MHz/QPSK



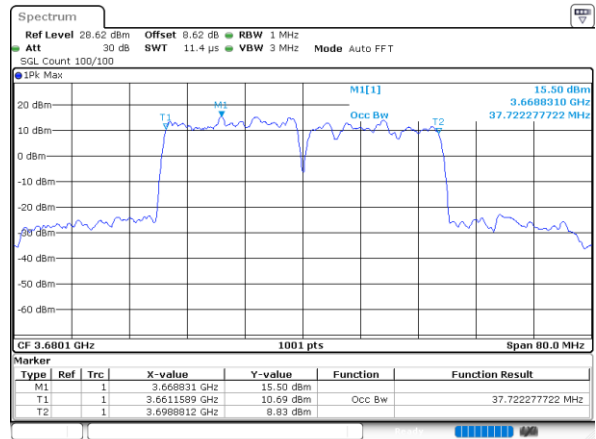
Highest Channel / 20MHz+20MHz/16QAM



Highest Channel / 20MHz+20MHz/64QAM



Highest Channel / 20MHz+20MHz/256QAM



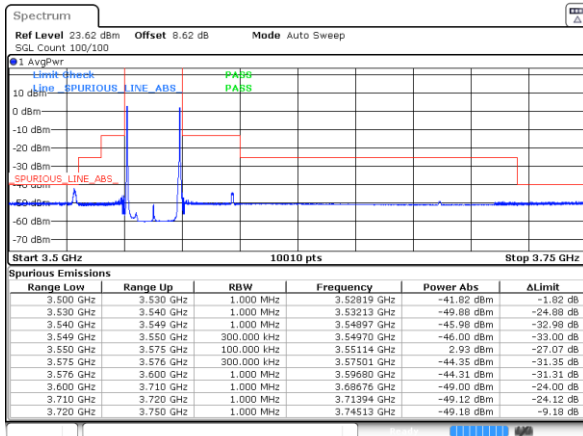


Conducted Band Edge

LTE Band 48C / 5MHz+20MHz

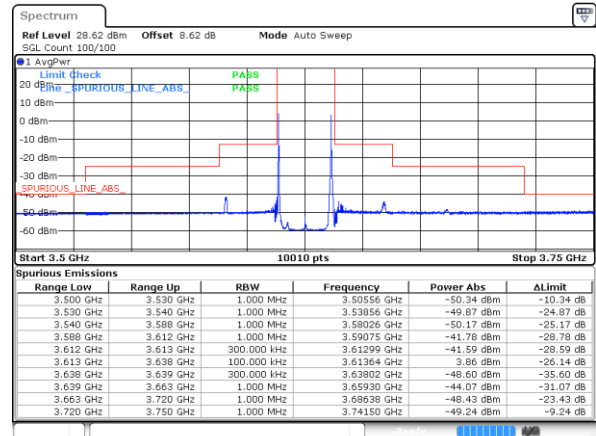
QPSK

Lowest Band Edge / 1RB0 and 1RB99



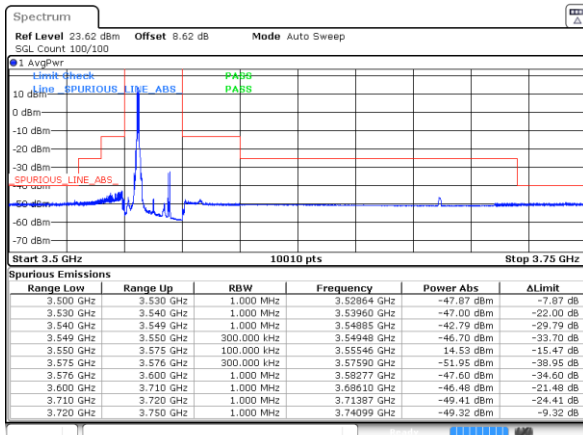
Date: 30 AUG 2021 23:31:31

Middle Band Edge / 1RB0 and 1RB99



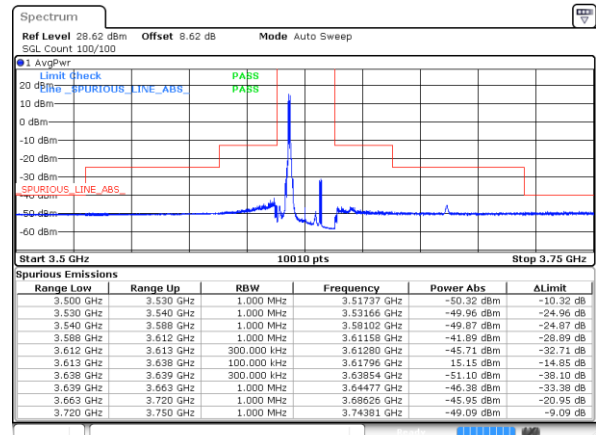
Date: 31 AUG 2021 00:47:21

Lowest Band Edge / 1RB24 and 1RB0



Date: 30 AUG 2021 23:52:52

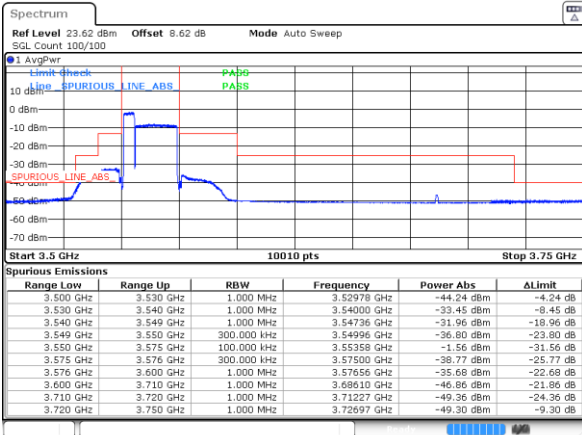
Middle Band Edge / 1RB24 and 1RB0



Date: 31 AUG 2021 00:48:53

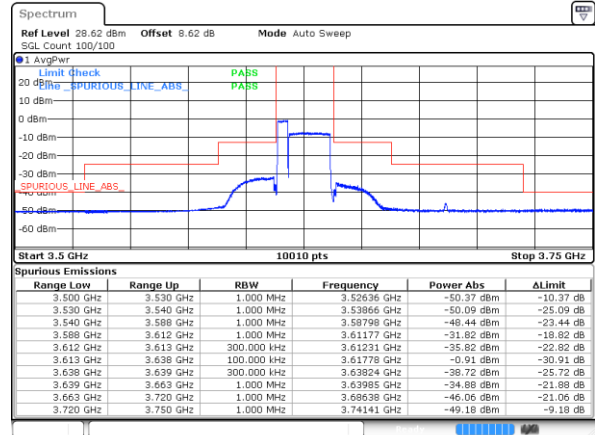


Lowest Band Edge / Full RB



Date: 30 AUG 2021 23:29:51

Middle Band Edge / Full RB



Date: 30 AUG 2021 23:58:54

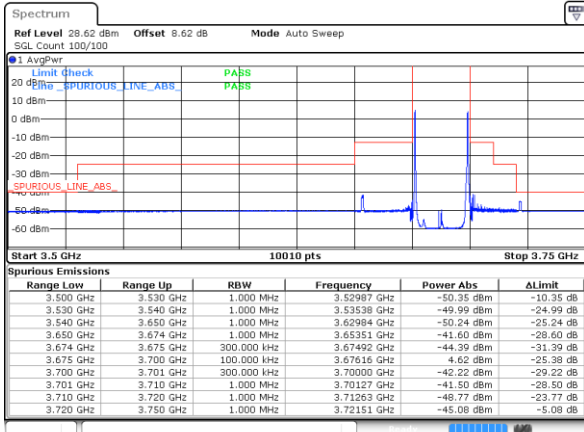


LTE Band 48C / 5MHz+20MHz

QPSK

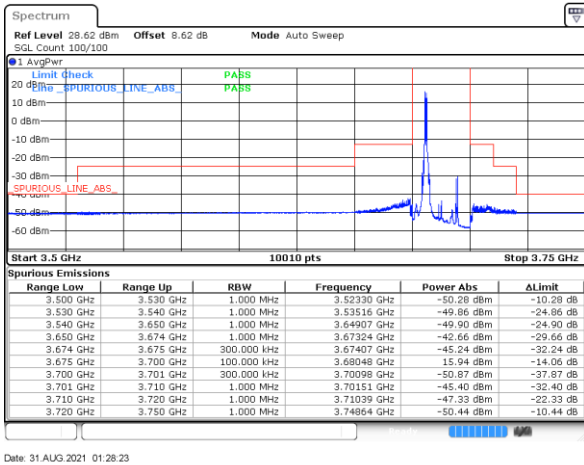
Highest Band Edge / 1RB0 and 1RB99

N/A



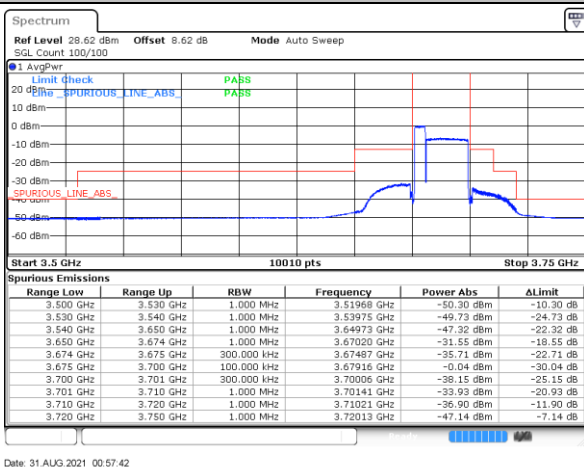
Highest Band Edge / 1RB24 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

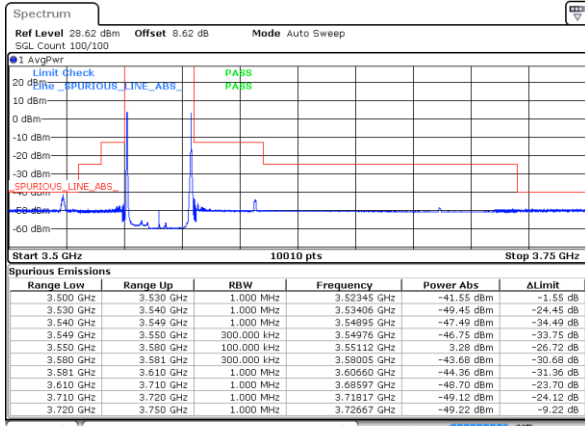




LTE Band 48C / 10MHz+20MHz

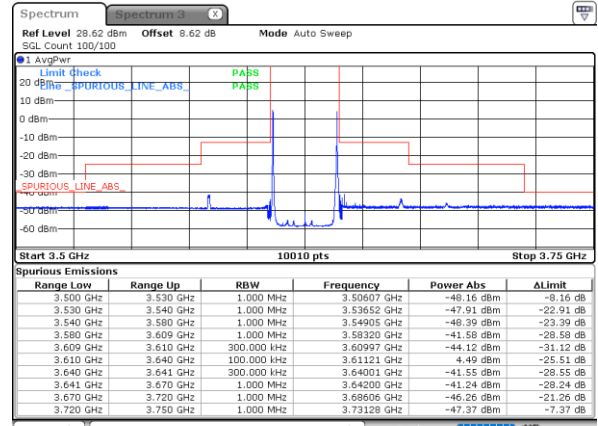
QPSK

Lowest Band Edge / 1RB0 and 1RB99



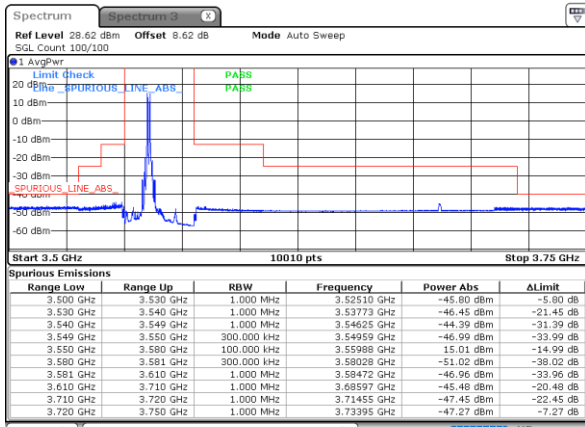
Date: 30 AUG 2021 16:06:29

Middle Band Edge / 1RB0 and 1RB99



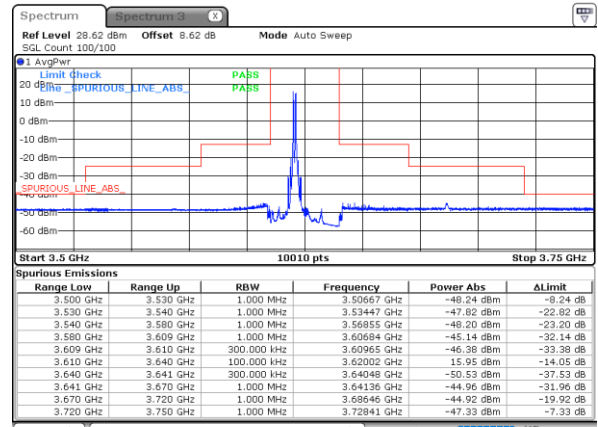
Date: 31 AUG 2021 09:29:29

Lowest Band Edge / 1RB49 and 1RB0



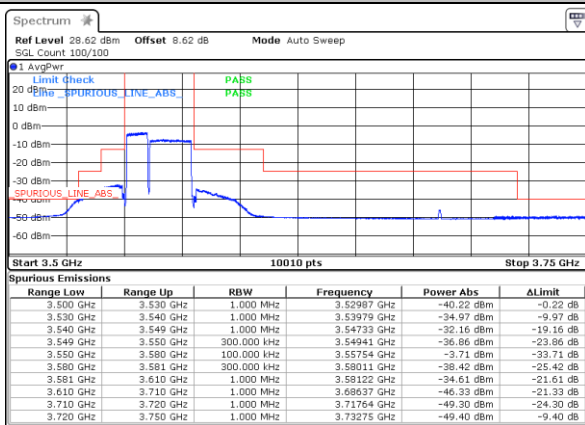
Date: 31 AUG 2021 08:54:43

Middle Band Edge / 1RB49 and 1RB0



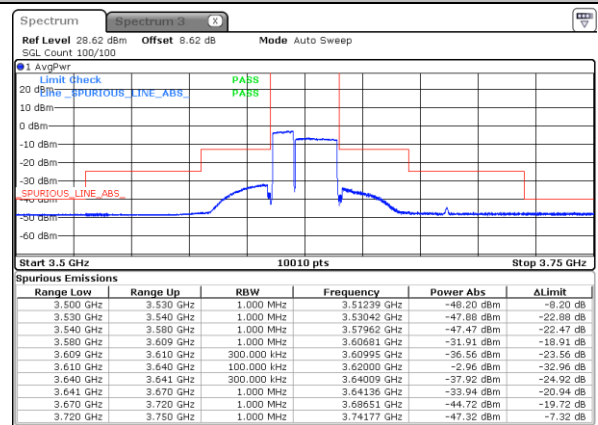
Date: 31 AUG 2021 09:13:56

Lowest Band Edge / Full RB



Date: 30 AUG 2021 16:44:38

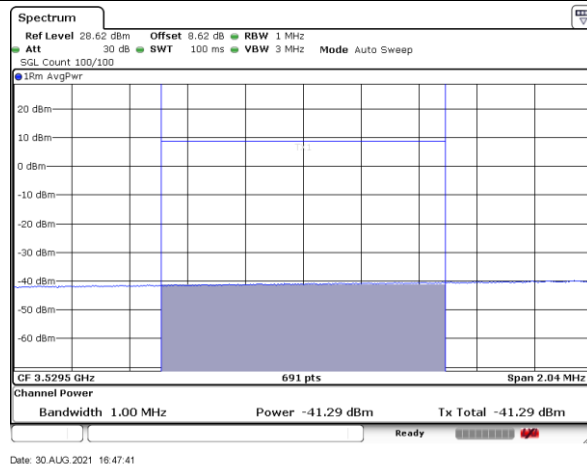
Middle Band Edge / Full RB



Date: 31 AUG 2021 09:31:16



Verify Lowest Band Edge / Full RB



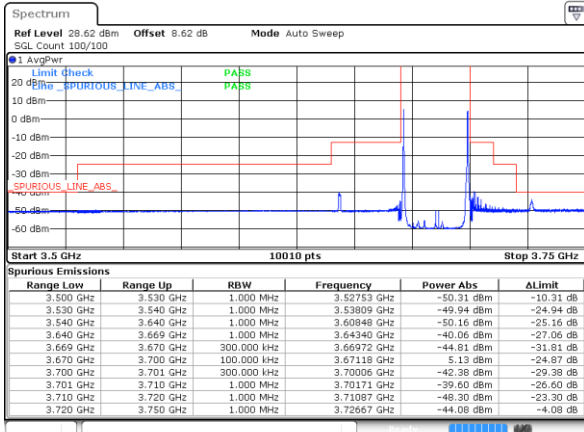


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

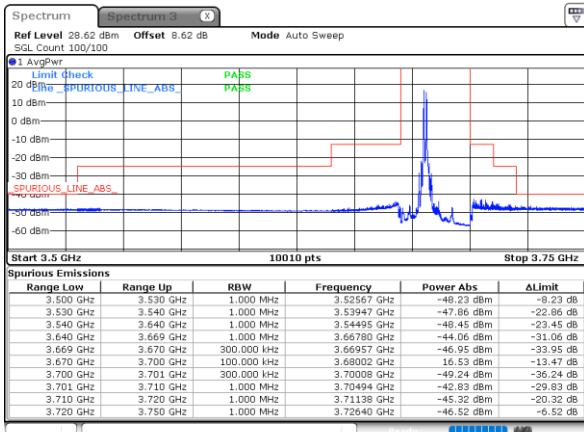
N/A



Date: 30 AUG 2021 16:55:06

Highest Band Edge / 1RB49 and 1RB0

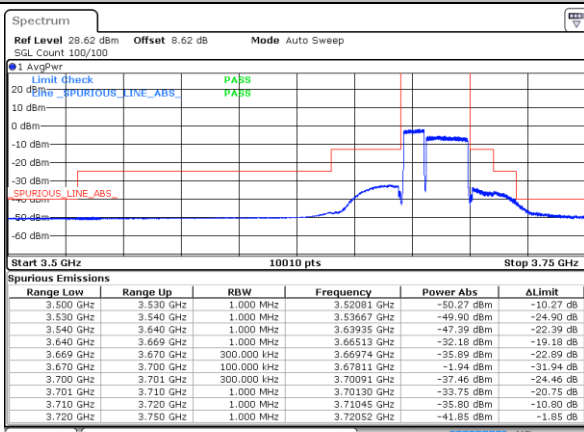
N/A



Date: 31 AUG 2021 09:11:00

Highest Band Edge / Full RB

N/A



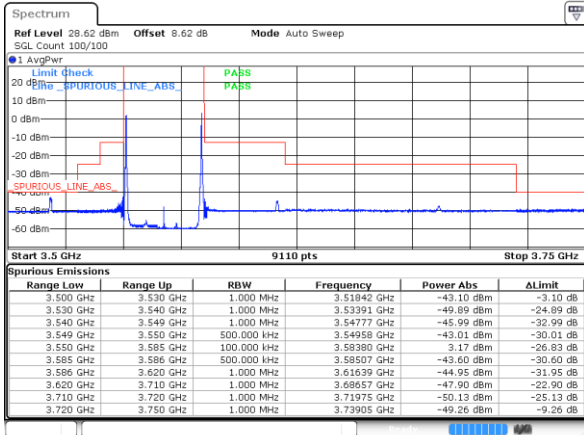
Date: 30 AUG 2021 17:05:47



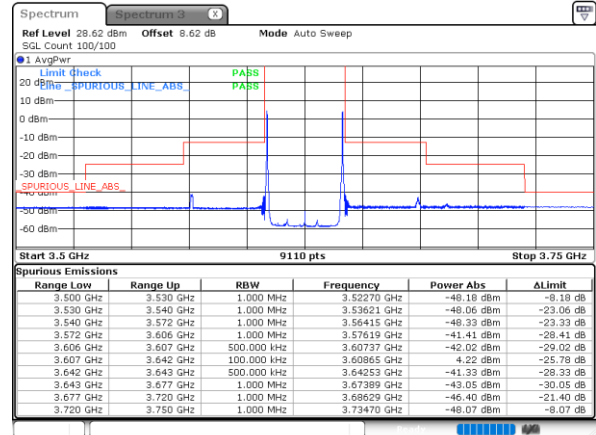
LTE Band 48C / 15MHz+20MHz

QPSK

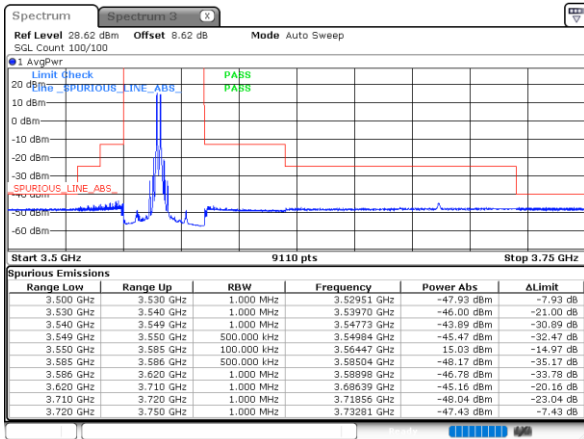
Lowest Band Edge / 1RB0 and 1RB99



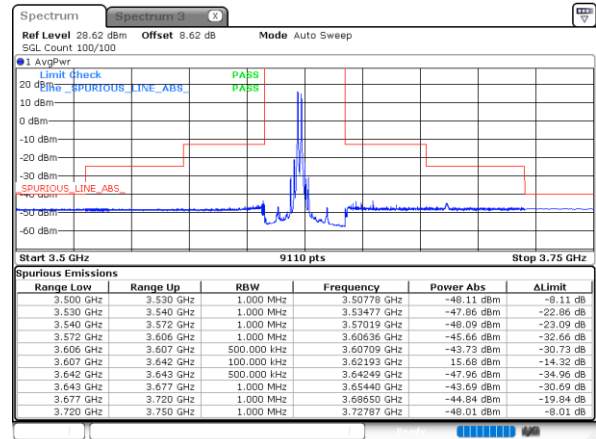
Middle Band Edge / 1RB0 and 1RB99



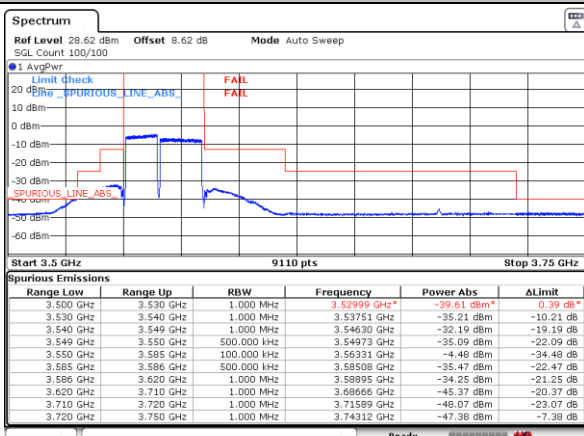
Lowest Band Edge / 1RB74 and 1RB0



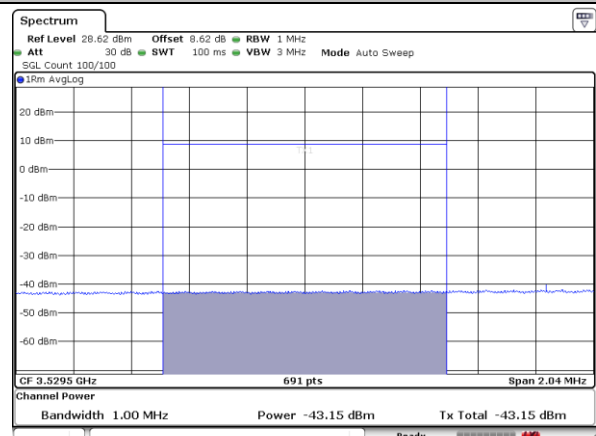
Middle Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB

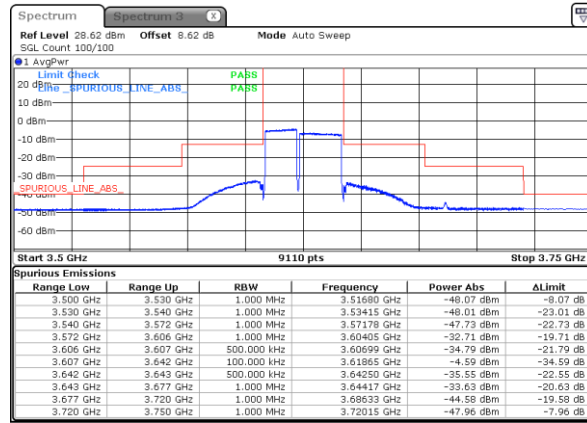


Verify Lowest Band Edge / Full RB





Middle Band Edge / Full RB



Date: 31.AUG.2021 11:42:56

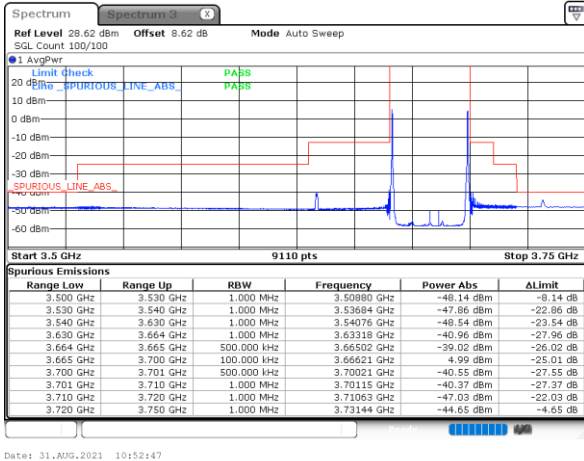


LTE Band 48C / 15MHz+20MHz

QPSK

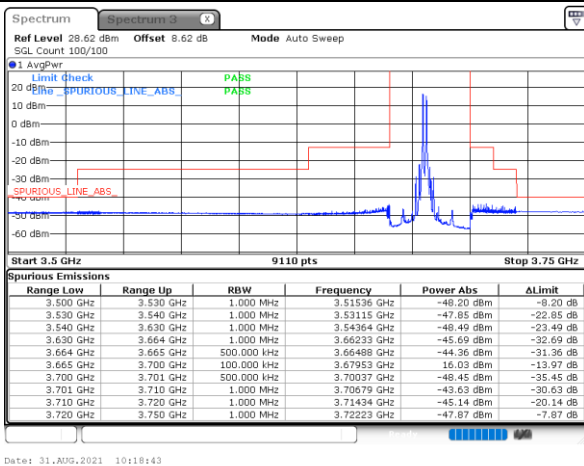
Highest Band Edge / 1RB0 and 1RB99

N/A



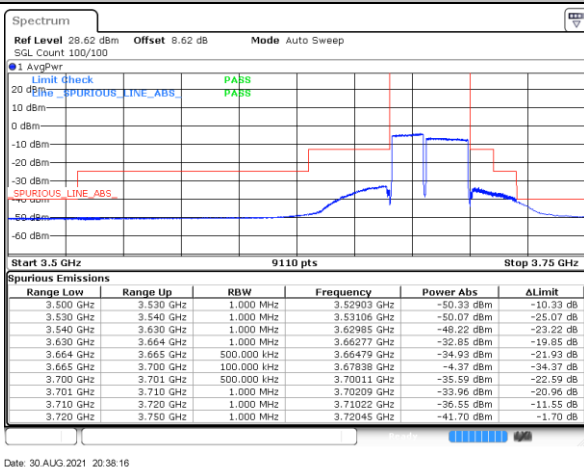
Highest Band Edge / 1RB74 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

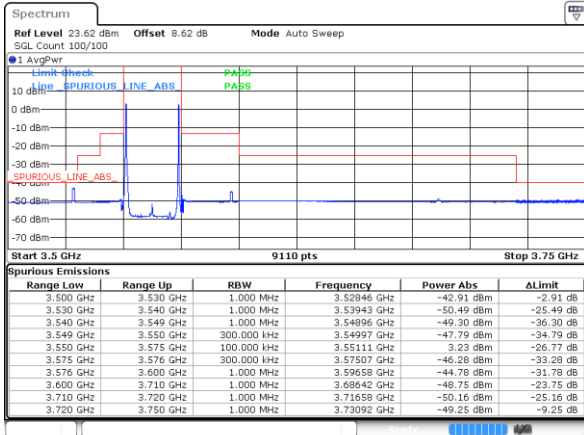




LTE Band 48C/ 20MHz+5MHz

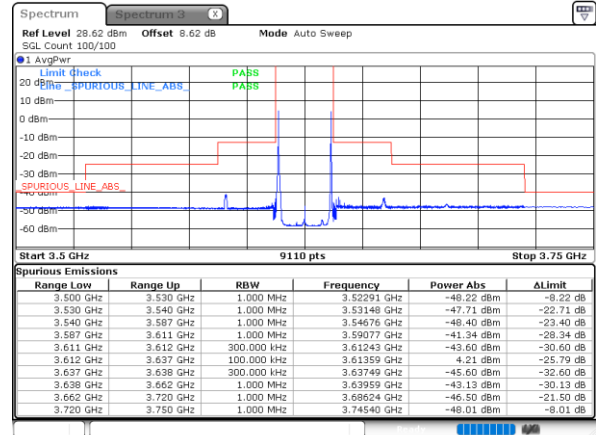
QPSK

Lowest Band Edge / 1RB0 and 1RB24



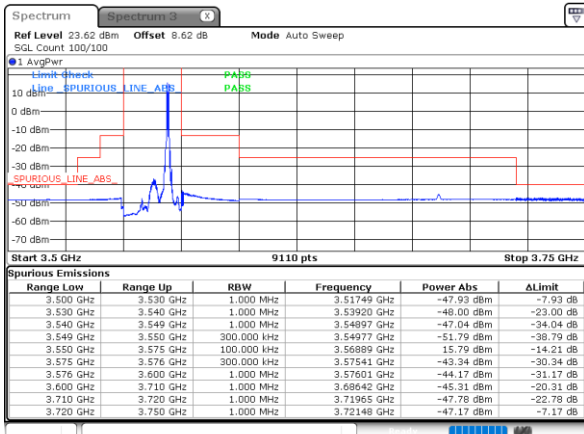
Date: 30 AUG 2021 20:51:06

Middle Band Edge / 1RB0 and 1RB24



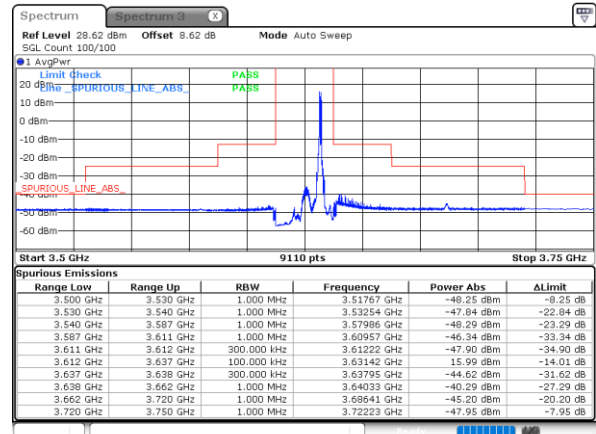
Date: 31 AUG 2021 13:59:23

Lowest Band Edge / 1RB99 and 1RB0



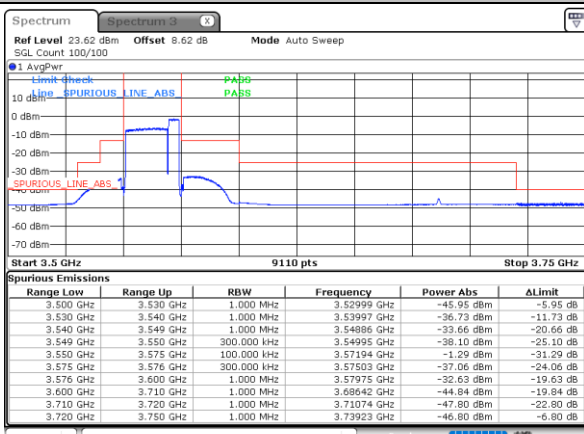
Date: 31 AUG 2021 13:47:09

Middle Band Edge / 1RB99 and 1RB0



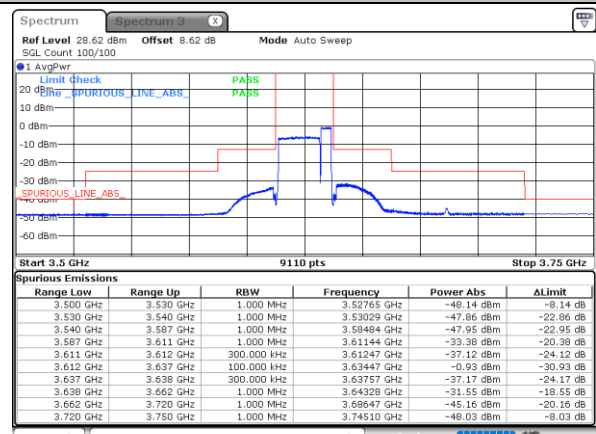
Date: 31 AUG 2021 14:00:54

Lowest Band Edge / Full RB



Date: 31 AUG 2021 13:27:24

Middle Band Edge / Full RB



Date: 31 AUG 2021 13:49:03

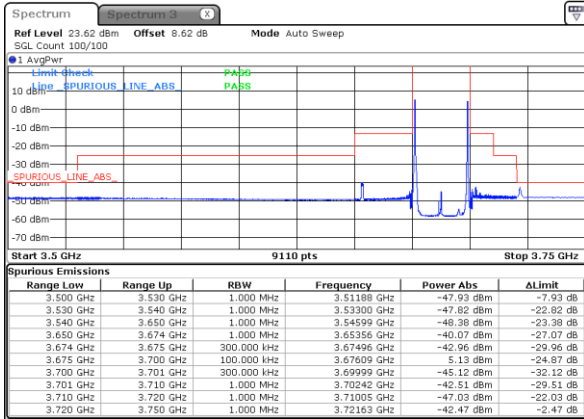


LTE Band 48C / 20MHz+5MHz

QPSK

Highest Band Edge / 1RB0 and 1RB24

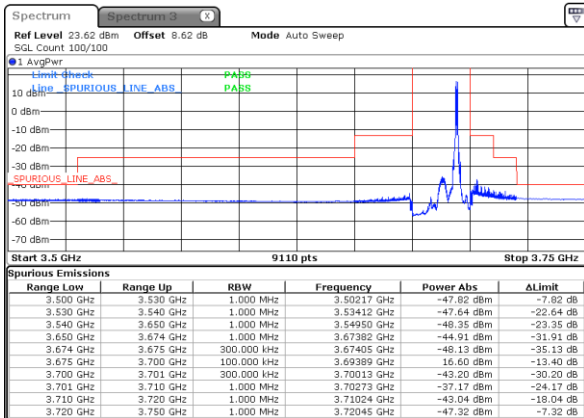
N/A



Date: 31.AUG.2021 14:42:17

Highest Band Edge / 1RB99 and 1RB0

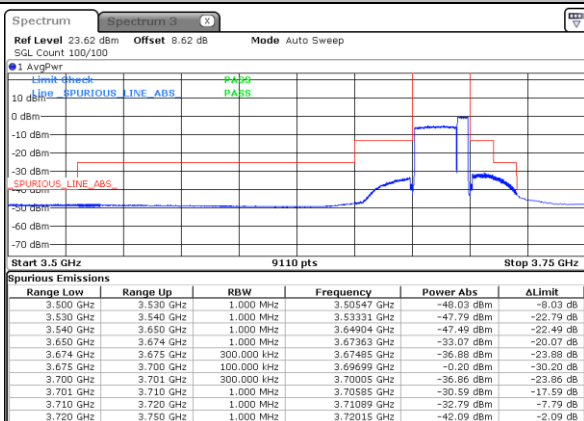
N/A



Date: 31.AUG.2021 14:43:43

Highest Band Edge / Full RB

N/A



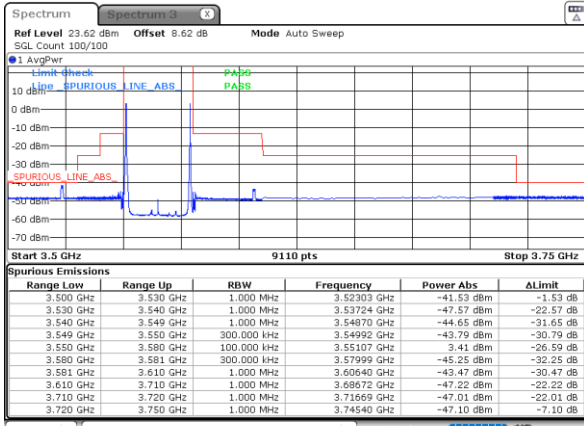
Date: 31.AUG.2021 14:07:04



LTE Band 48C / 20MHz+10MHz

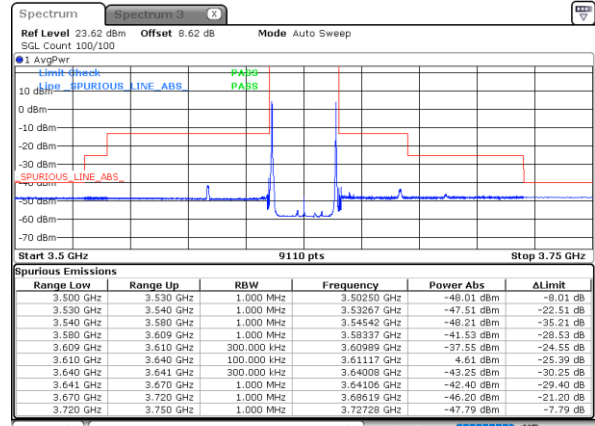
QPSK

Lowest Band Edge / 1RB0 and 1RB49



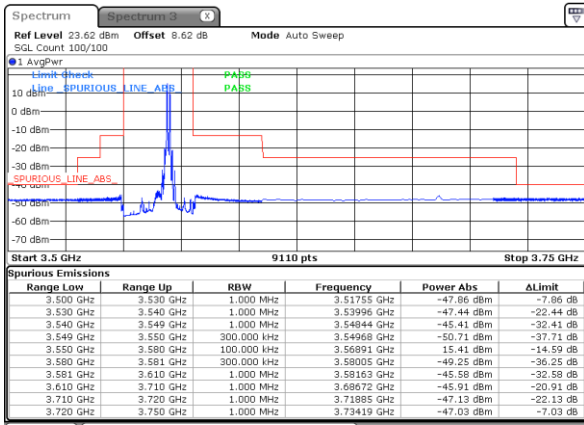
Date: 31.AUG.2021 05:45:53

Middle Band Edge / 1RB0 and 1RB49



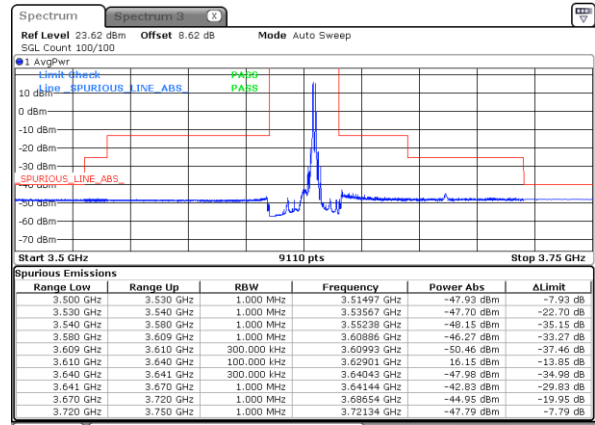
Date: 31.AUG.2021 12:52:32

Lowest Band Edge / 1RB99 and 1RB0



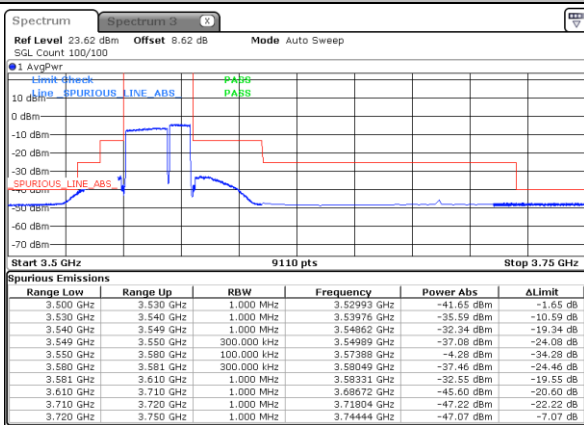
Date: 31.AUG.2021 12:08:28

Middle Band Edge / 1RB99 and 1RB0



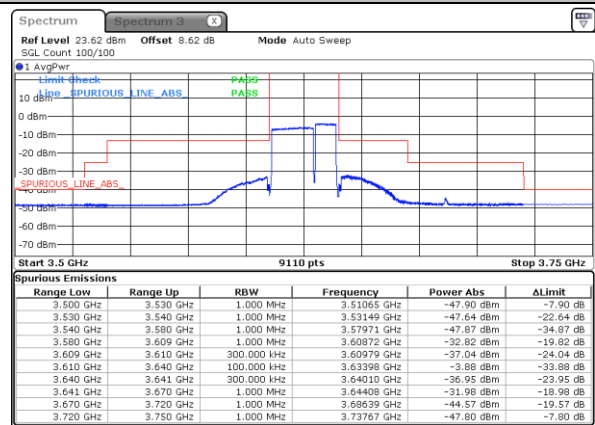
Date: 31.AUG.2021 13:08:25

Lowest Band Edge / Full RB



Date: 31.AUG.2021 12:13:33

Middle Band Edge / Full RB



Date: 31.AUG.2021 12:15:38

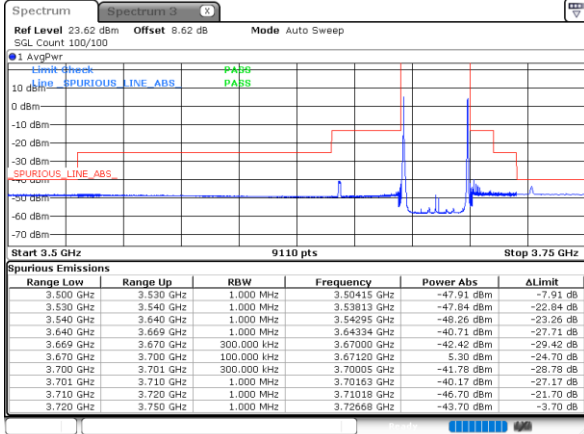


LTE Band 48C / 20MHz+10MHz

QPSK

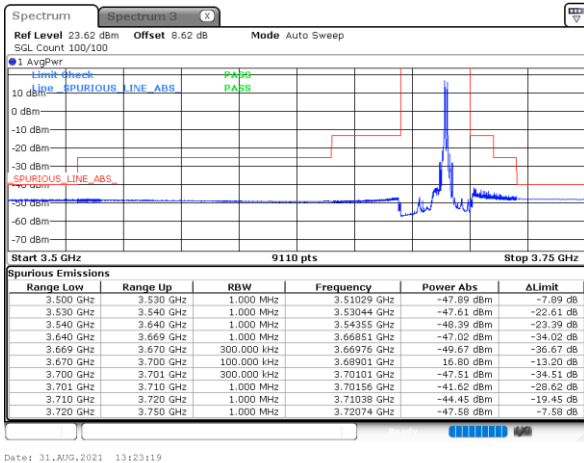
Highest Band Edge / 1RB0 and 1RB49

N/A



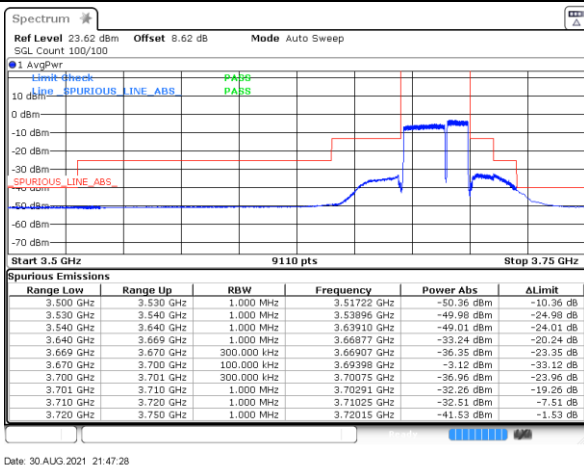
Highest Band Edge / 1RB99 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

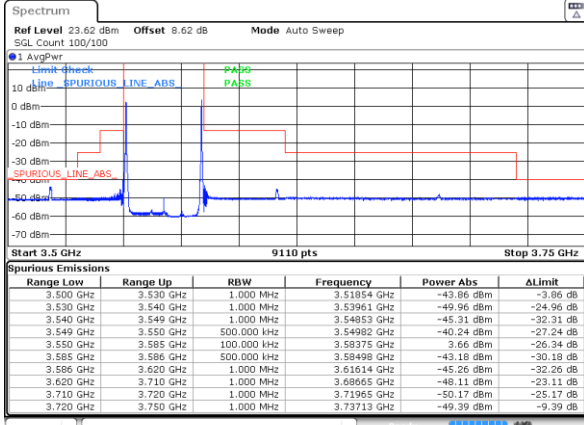




LTE Band 48C / 20MHz+15MHz

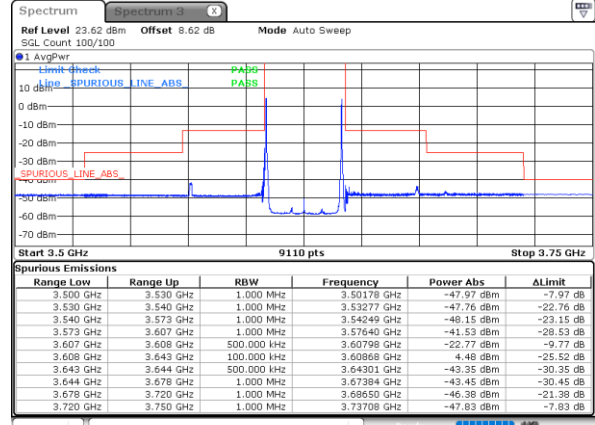
QPSK

Lowest Band Edge / 1RB0 and 1RB74



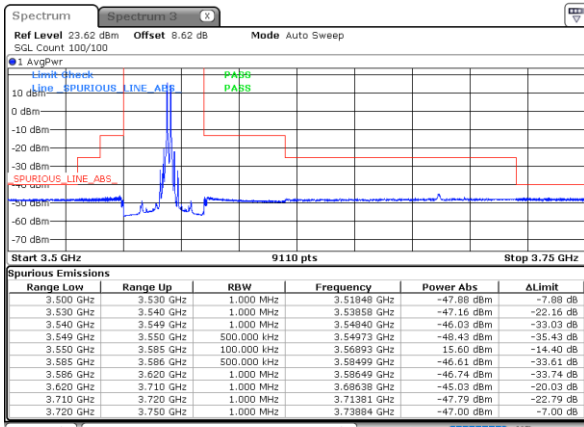
Date: 30 AUG 2021 21:56:24

Middle Band Edge / 1RB0 and 1RB74



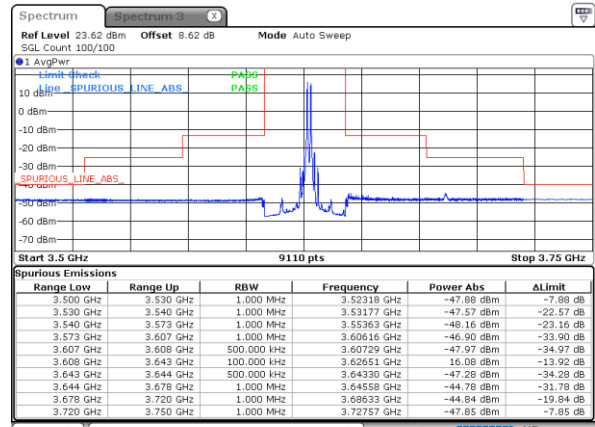
Date: 31 AUG 2021 08:28:05

Lowest Band Edge / 1RB99 and 1RB0



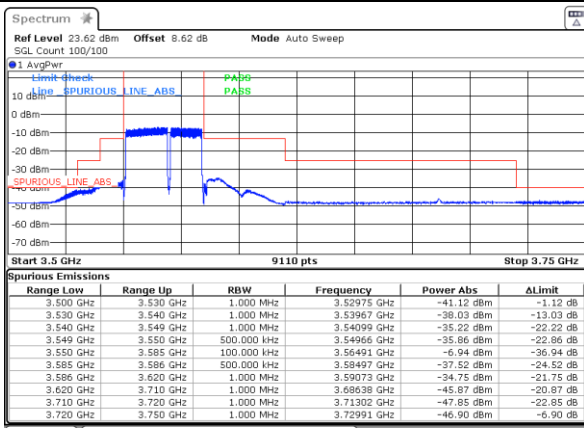
Date: 31 AUG 2021 07:44:28

Middle Band Edge / 1RB99 and 1RB0



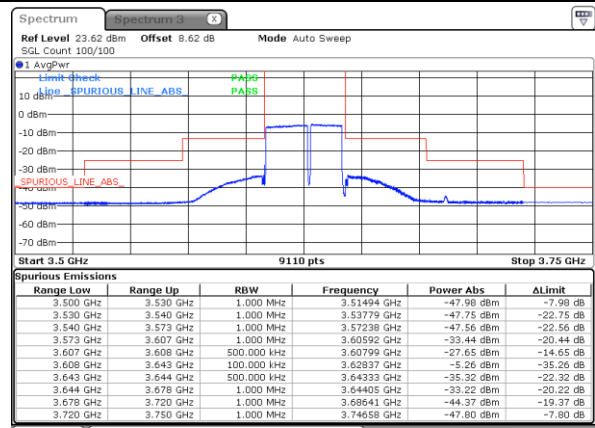
Date: 31 AUG 2021 08:12:09

Lowest Band Edge / Full RB



Date: 1 SEP 2021 03:46:13

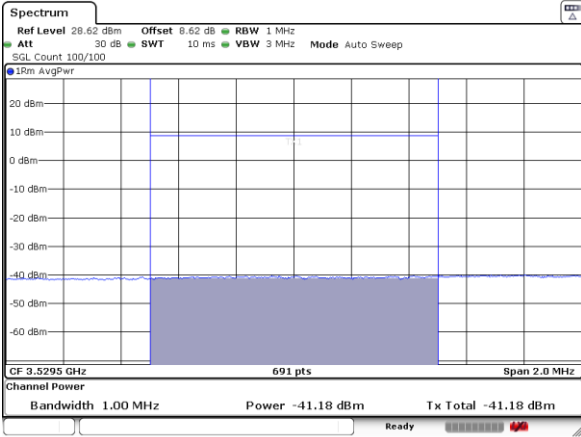
Middle Band Edge / Full RB



Date: 31 AUG 2021 08:42:34



Verify Lowest Band Edge / Full RB



Date: 4.NOV.2021 03:26:33