

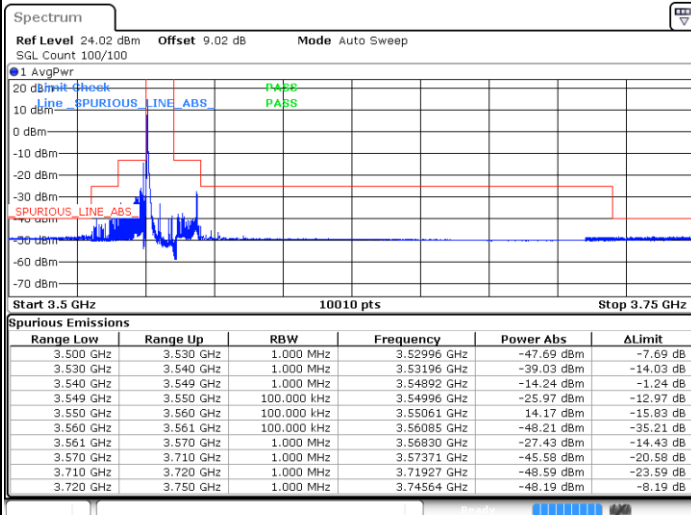


LTE Band 48 / 10MHz

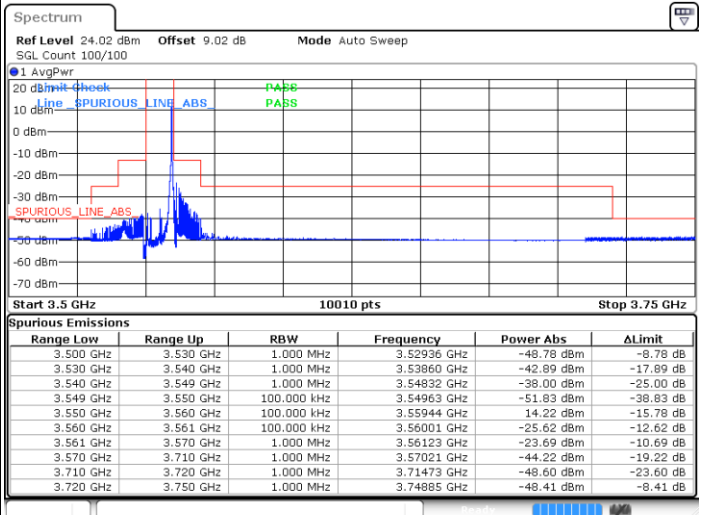
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



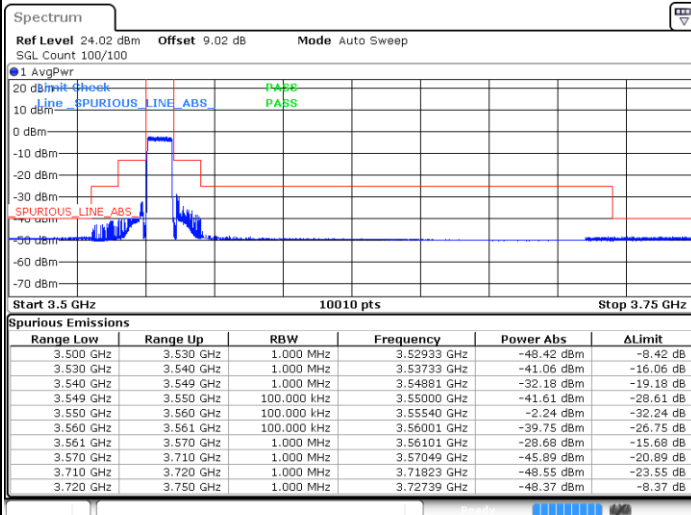
Date: 13 MAY 2022 03:20:29



Date: 13 MAY 2022 03:26:36

Lowest Channel / FullRB

N/A



Date: 13 MAY 2022 03:29:38

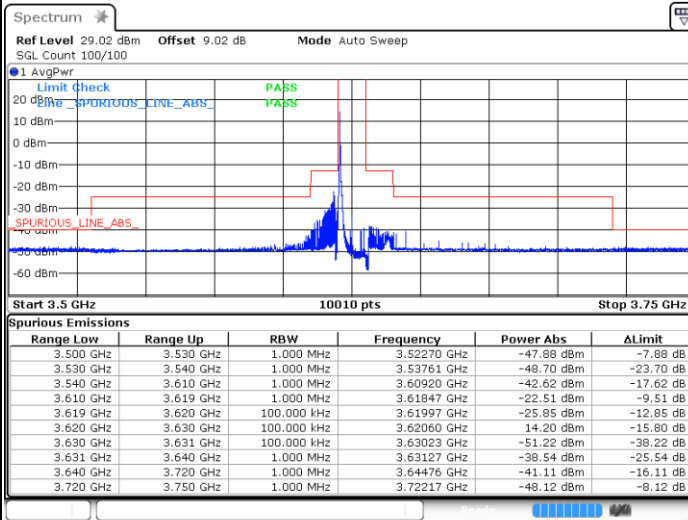


LTE Band 48 / 10MHz

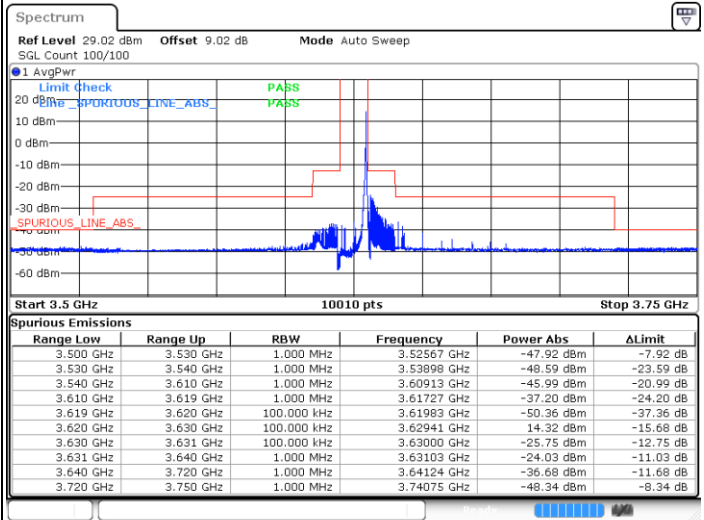
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



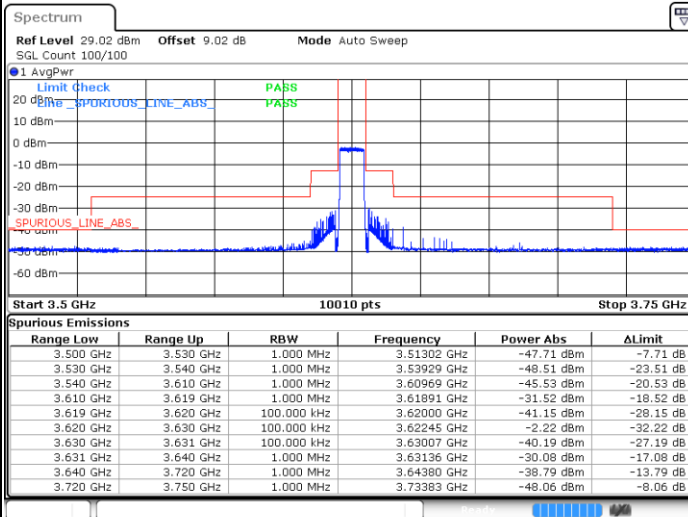
Date: 13 MAY 2022 03:38:30



Date: 13 MAY 2022 03:41:16

Middle Channel / FullIRB

N/A



Date: 13 MAY 2022 03:43:51

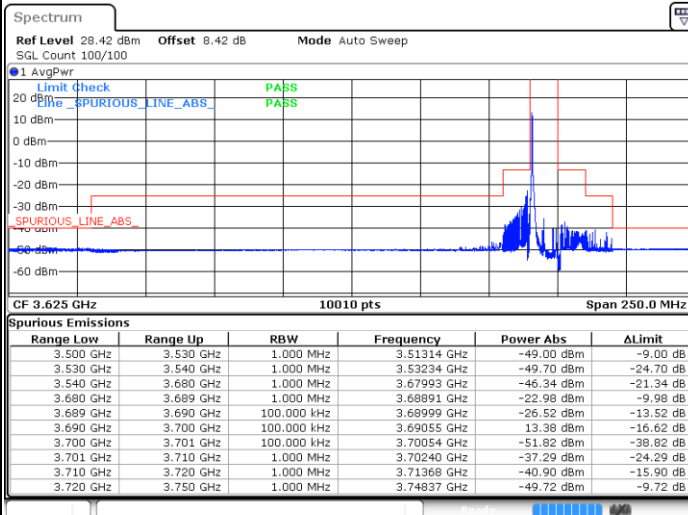


LTE Band 48 / 10MHz

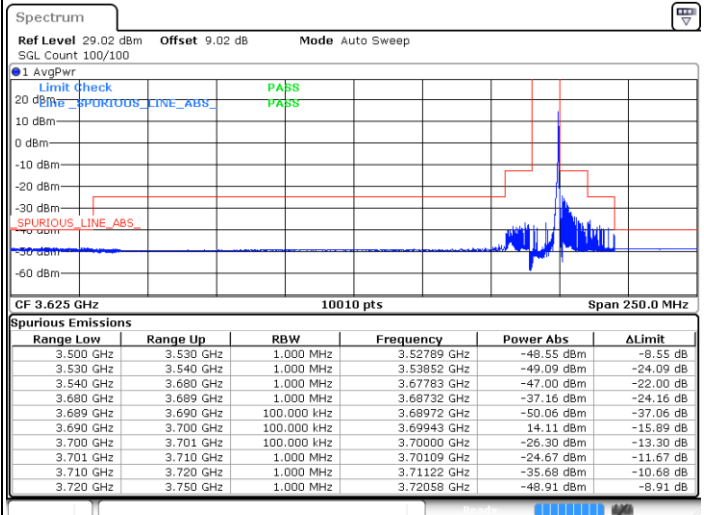
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



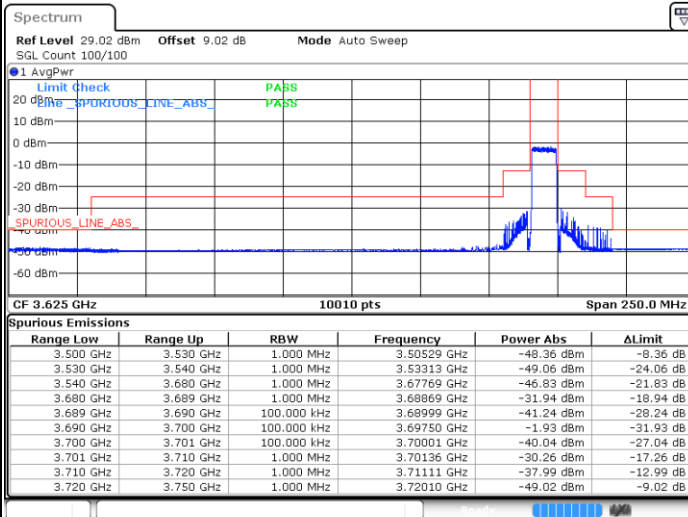
Date: 13 MAY 2022 03:53:56



Date: 13 MAY 2022 03:58:30

Highest Channel / FullIRB

N/A



Date: 13 MAY 2022 04:03:30

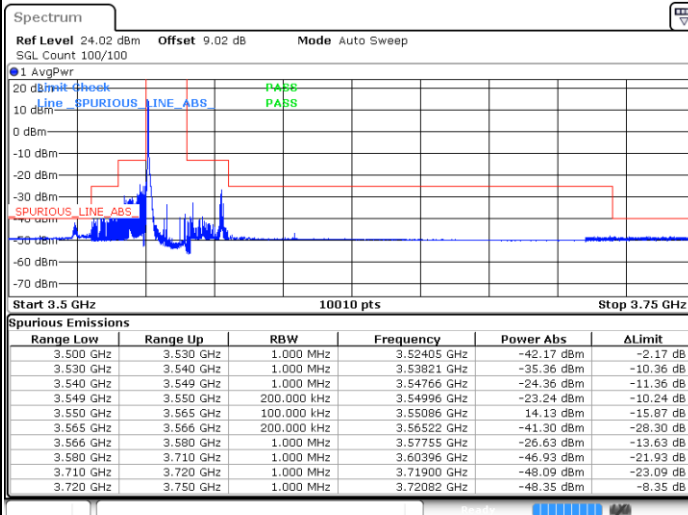


LTE Band 48 / 15MHz

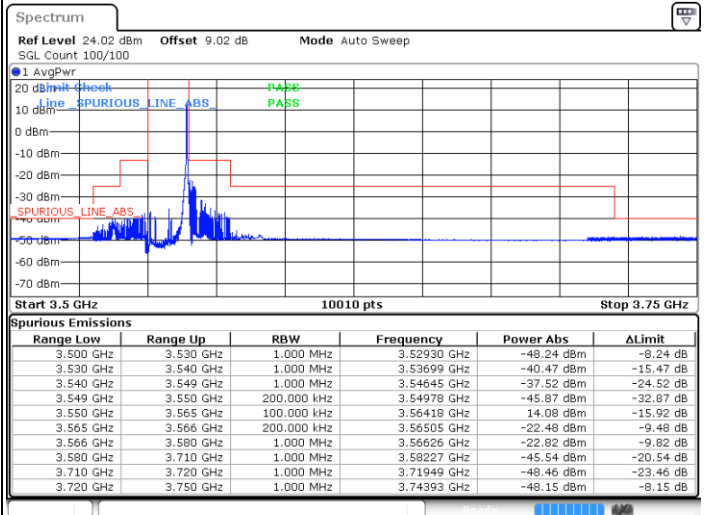
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



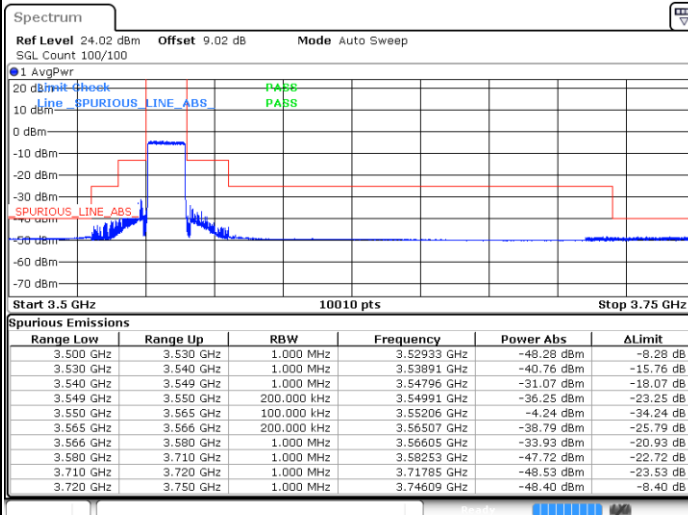
Date: 13 MAY 2022 04:07:46



Date: 13 MAY 2022 04:13:22

Lowest Channel / FullRB

N/A



Date: 13 MAY 2022 04:45:44

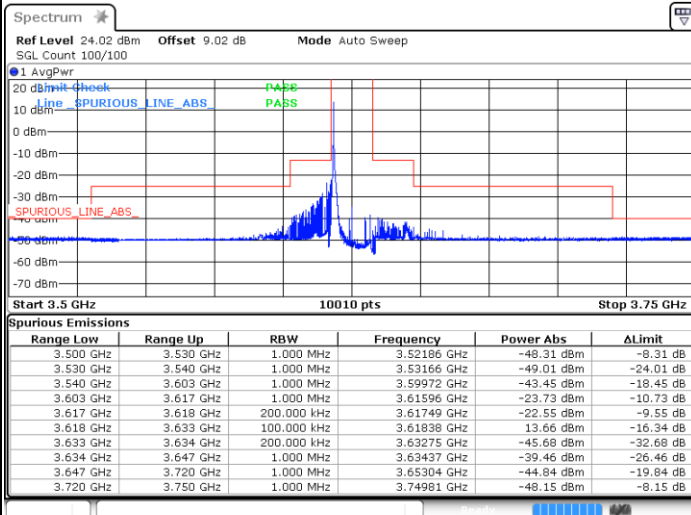


LTE Band 48 / 15MHz

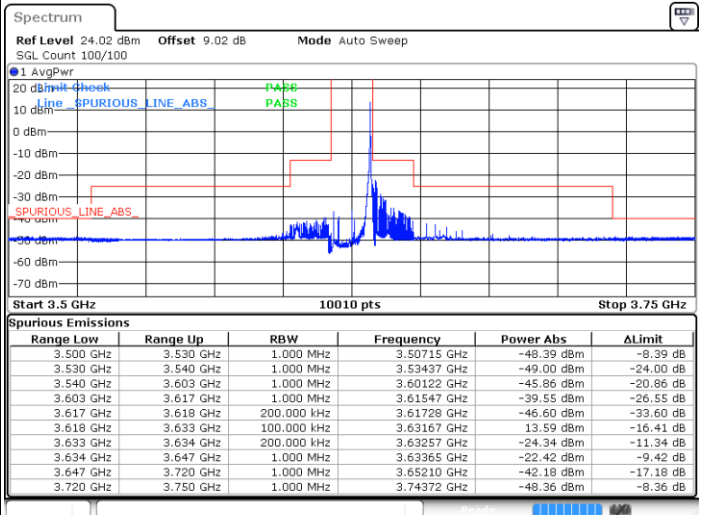
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



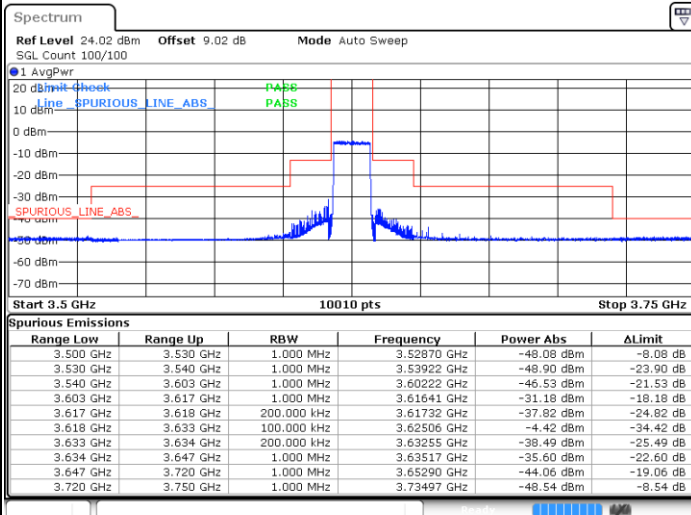
Date: 13 MAY 2022 04:48:20



Date: 13 MAY 2022 04:50:58

Middle Channel / FullIRB

N/A



Date: 13 MAY 2022 04:53:23

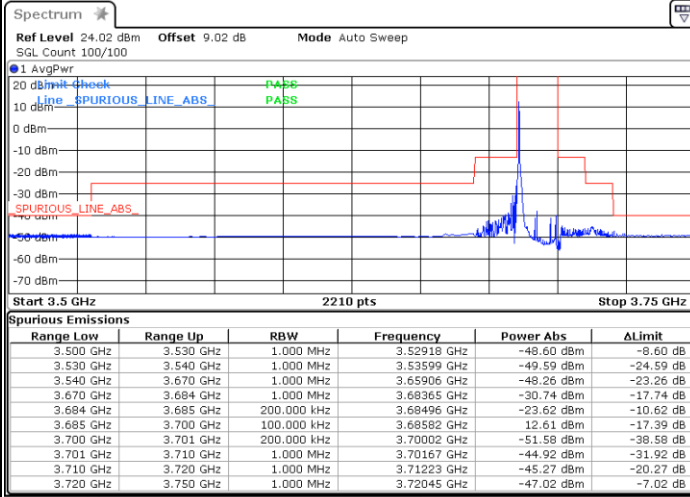


LTE Band 48 / 15MHz

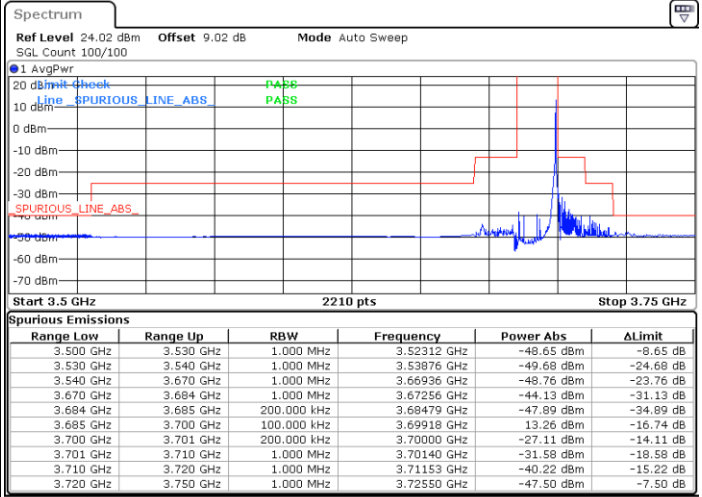
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



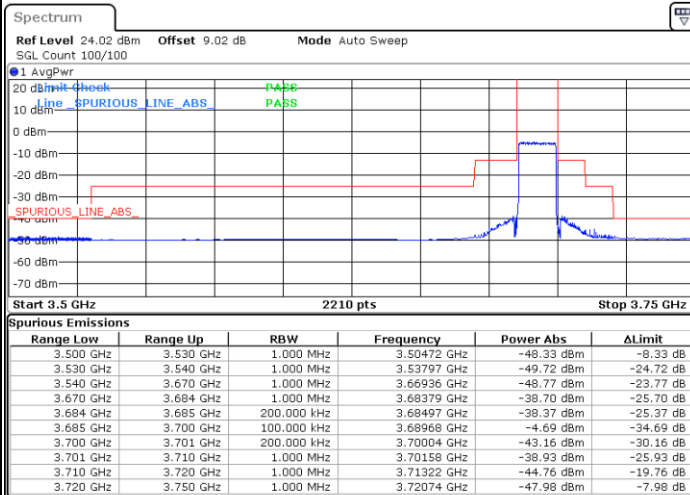
Date: 13 MAY 2022 04:56:18



Date: 13 MAY 2022 04:59:13

Highest Channel / FullIRB

N/A



Date: 13 MAY 2022 05:01:50

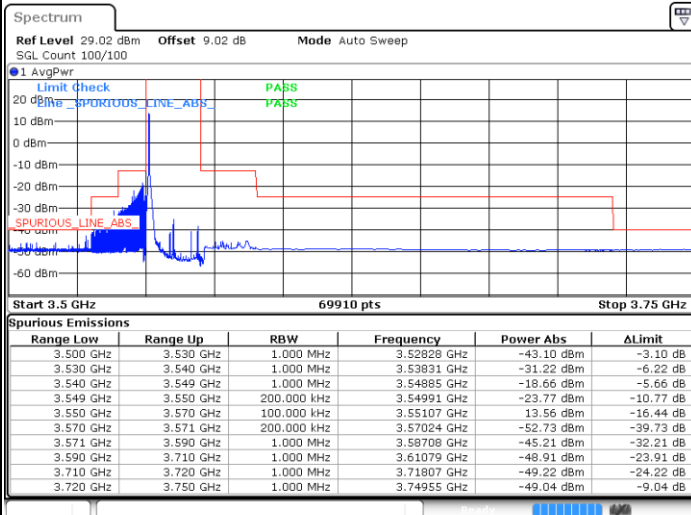


LTE Band 48 / 20MHz

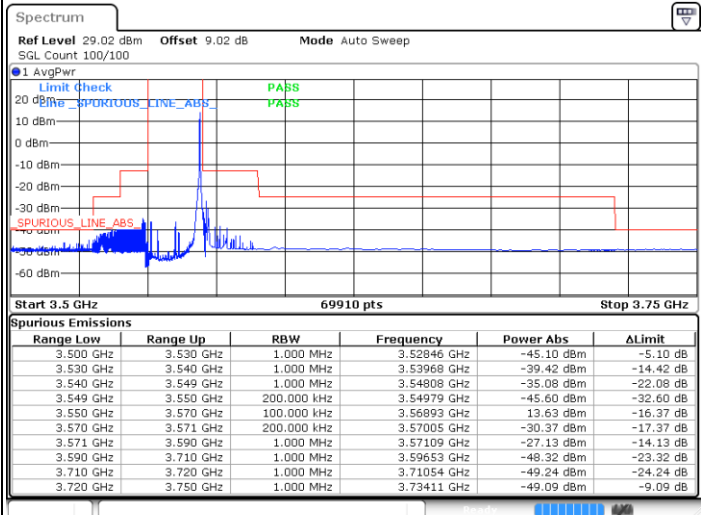
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



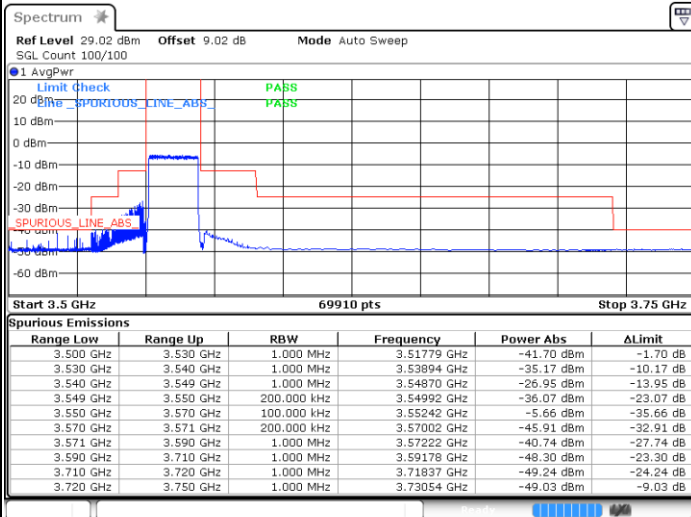
Date: 13 MAY 2022 05:05:31



Date: 13 MAY 2022 05:09:47

Lowest Channel / FullRB

N/A



Date: 13 MAY 2022 05:15:13

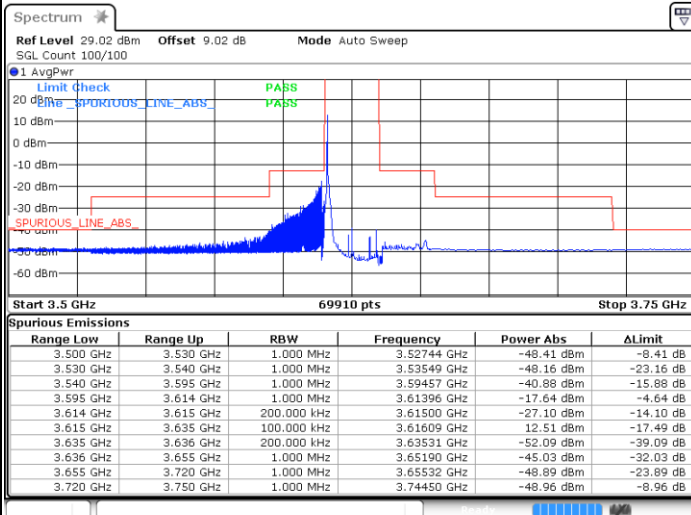


LTE Band 48 / 20MHz

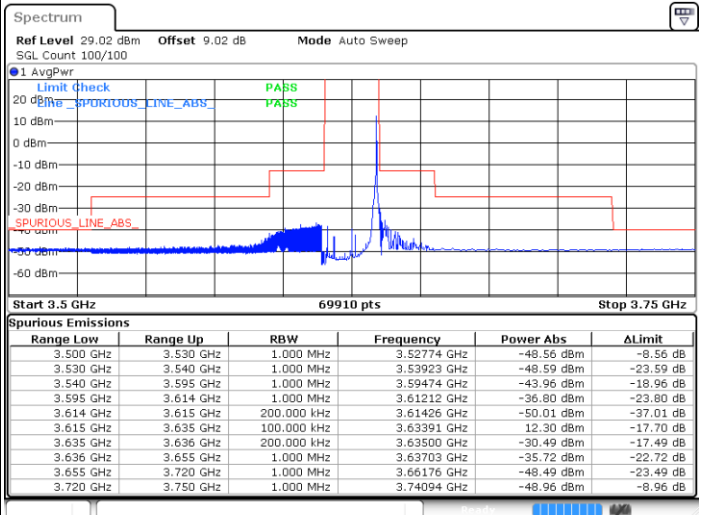
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



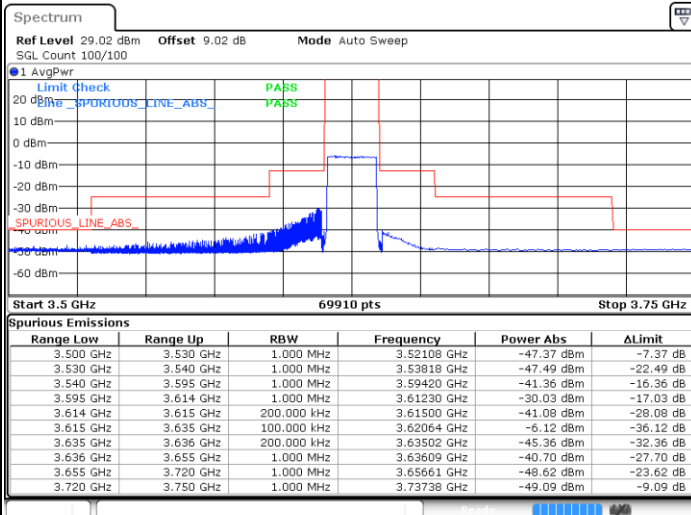
Date: 13 MAY 2022 05:37:05



Date: 13 MAY 2022 05:56:22

Middle Channel / FullIRB

N/A



Date: 13 MAY 2022 05:57:52

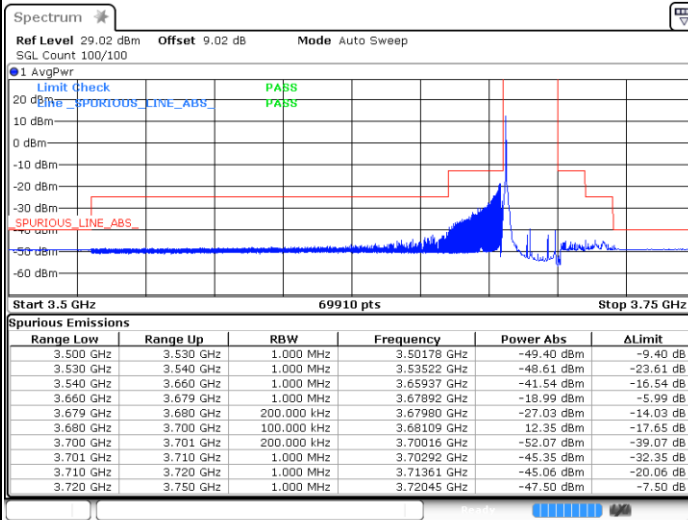


LTE Band 48 / 20MHz

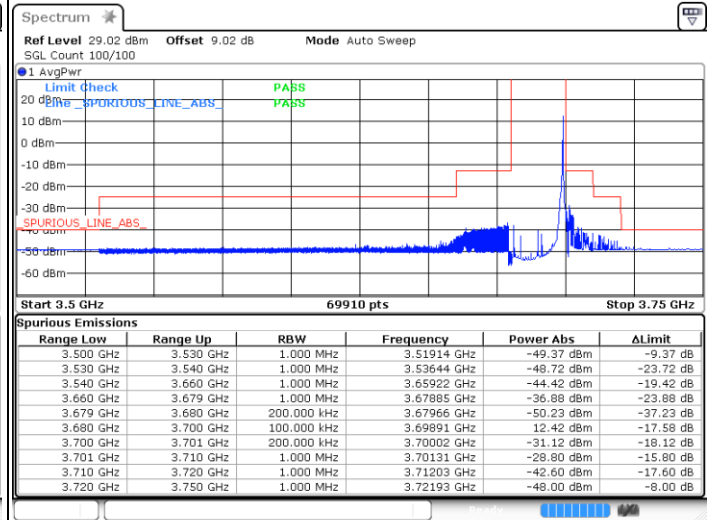
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



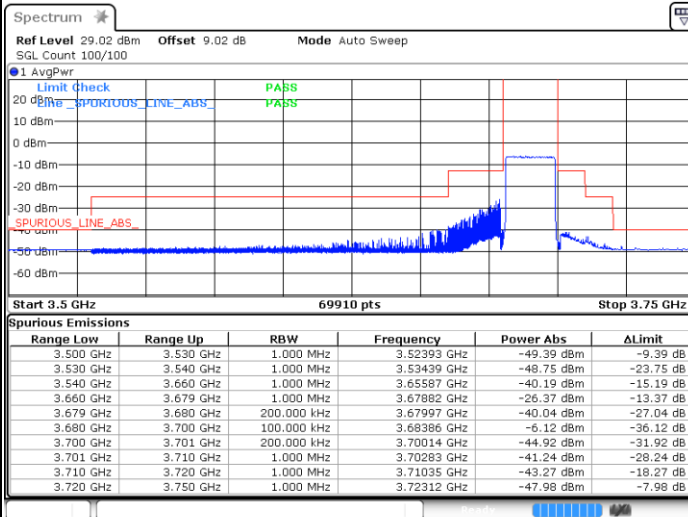
Date: 13 MAY 2022 06:03:47



Date: 13 MAY 2022 06:08:57

Highest Channel / FullIRB

N/A



Date: 13 MAY 2022 06:18:24



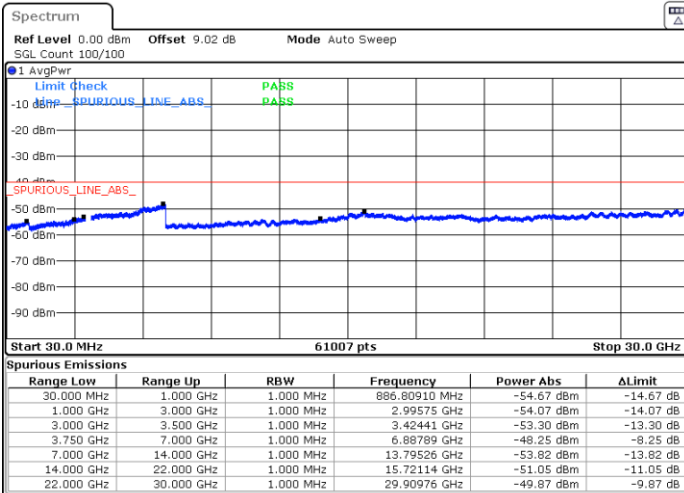
Conducted Spurious Emission

LTE Band 48 / 5MHz

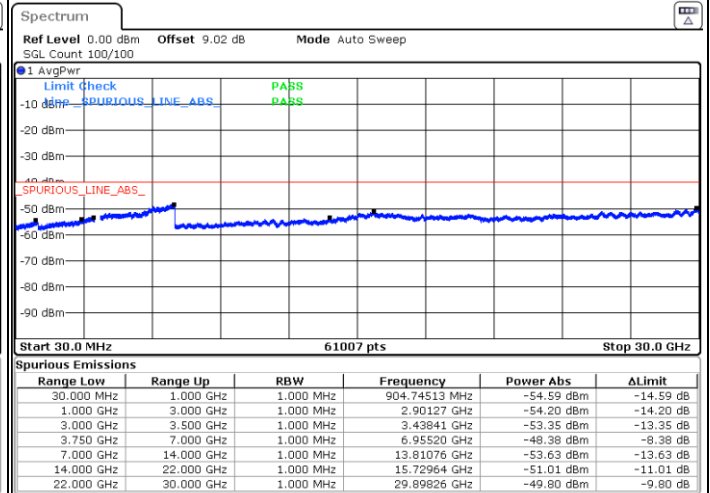
QPSK / 1RB0

Lowest Channel

Middle Channel

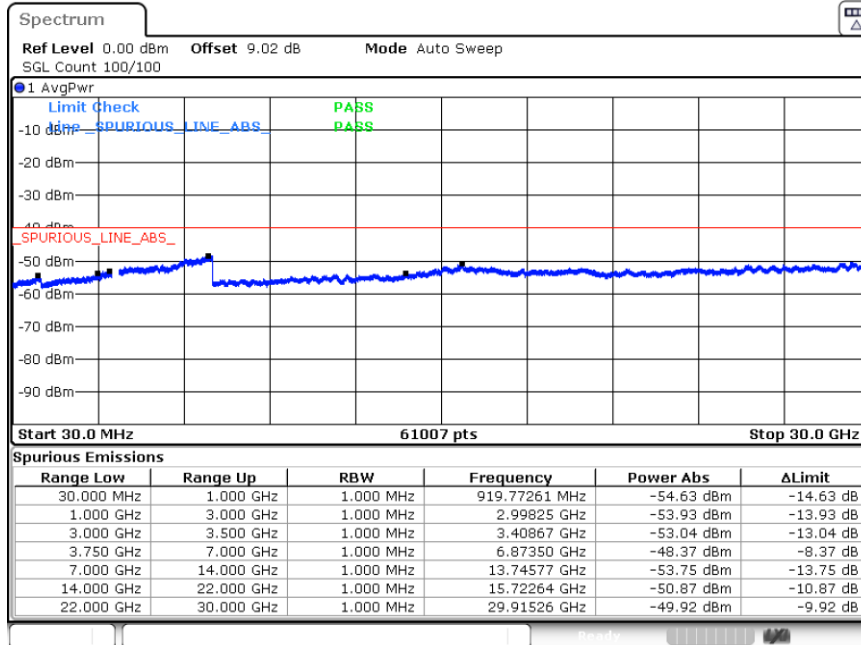


Date: 26.APR.2022 11:32:43



Date: 26.APR.2022 11:34:06

Highest Channel



Date: 26.APR.2022 11:35:28

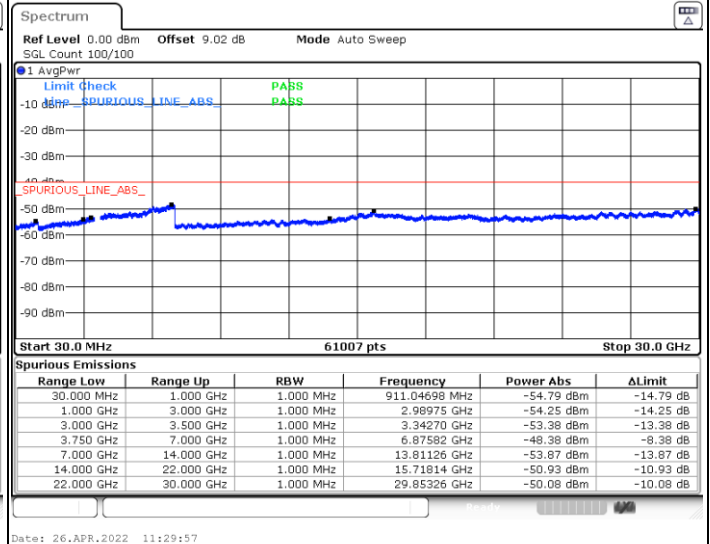
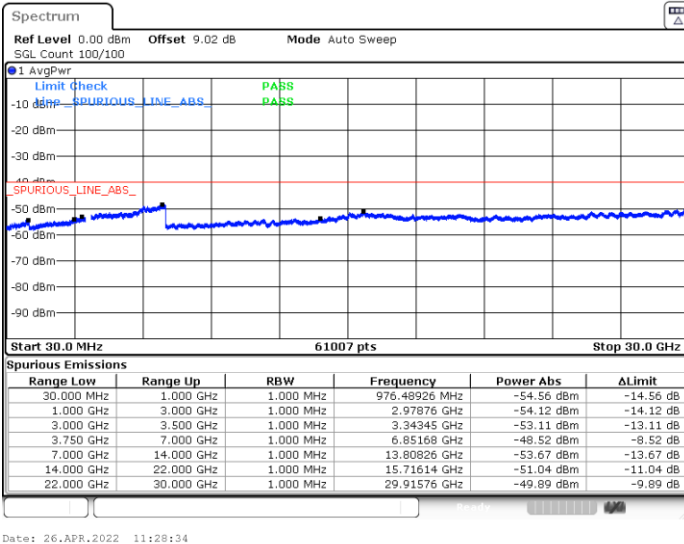


LTE Band 48 / 10MHz

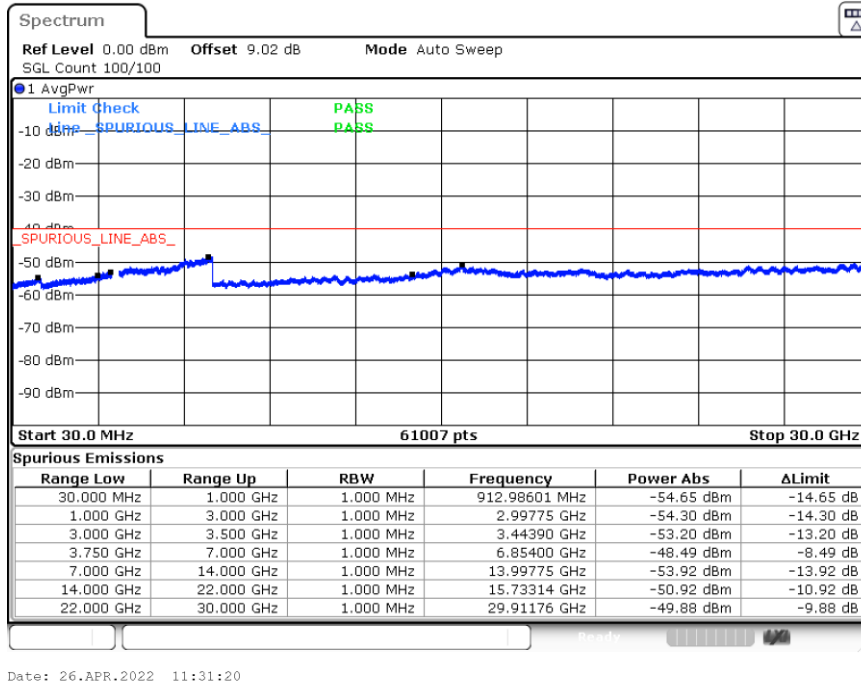
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



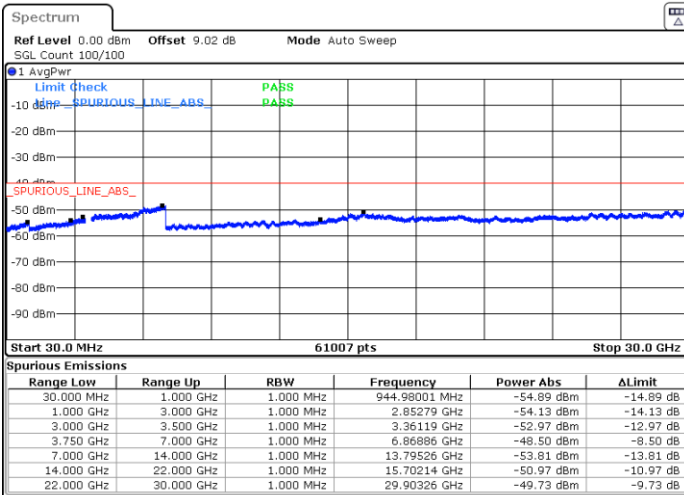


LTE Band 48 / 15MHz

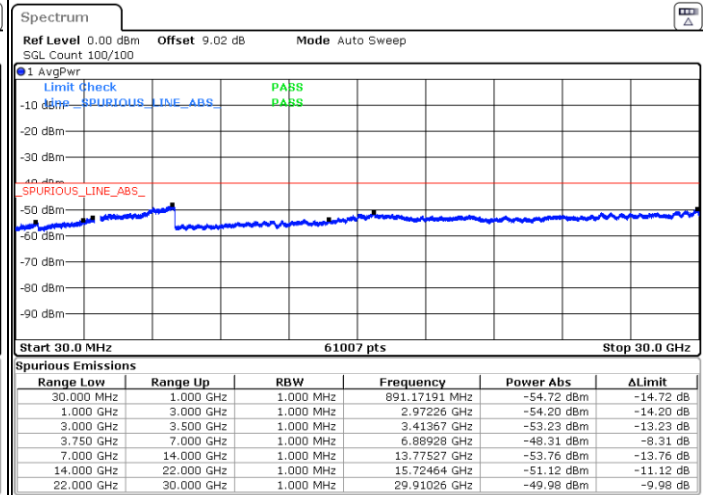
QPSK / 1RB0

Lowest Channel

Middle Channel

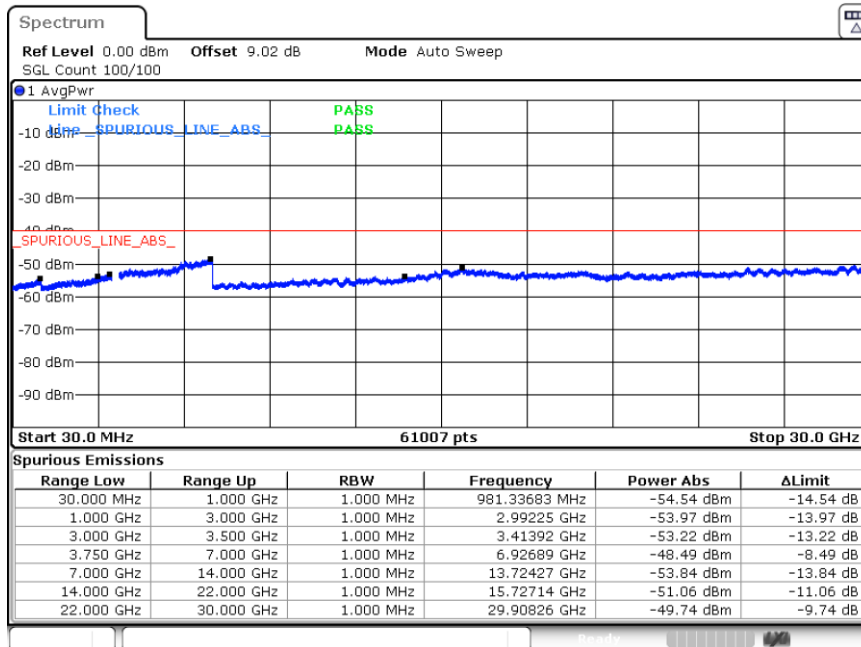


Date: 26.APR.2022 11:23:14



Date: 26.APR.2022 11:25:48

Highest Channel



Date: 26.APR.2022 11:27:11

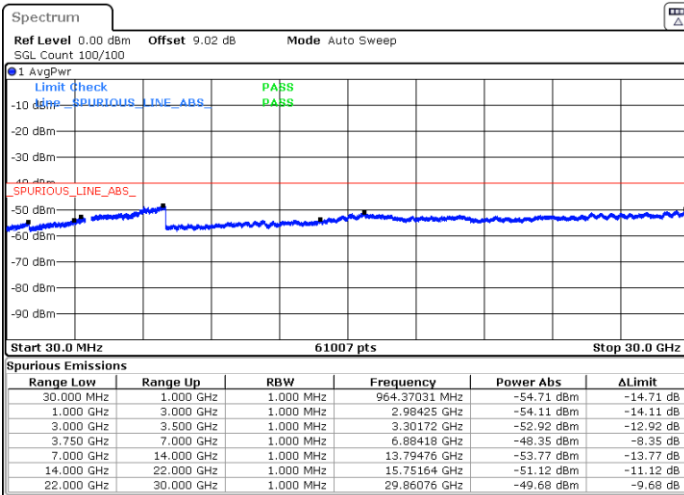


LTE Band 48 / 20MHz

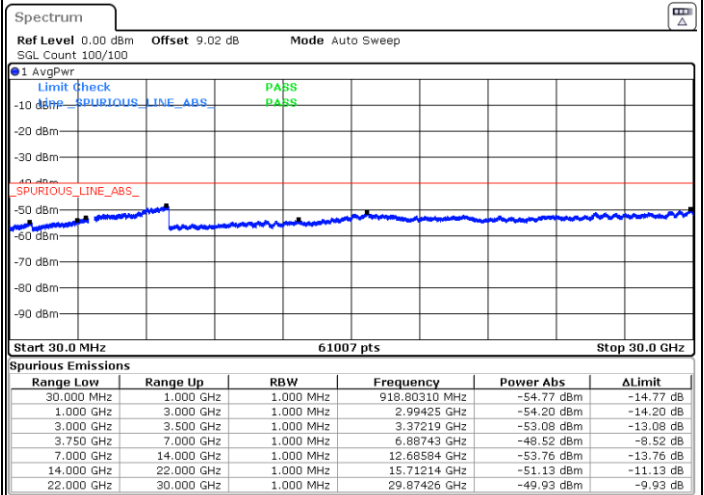
QPSK / 1RB0

Lowest Channel

Middle Channel

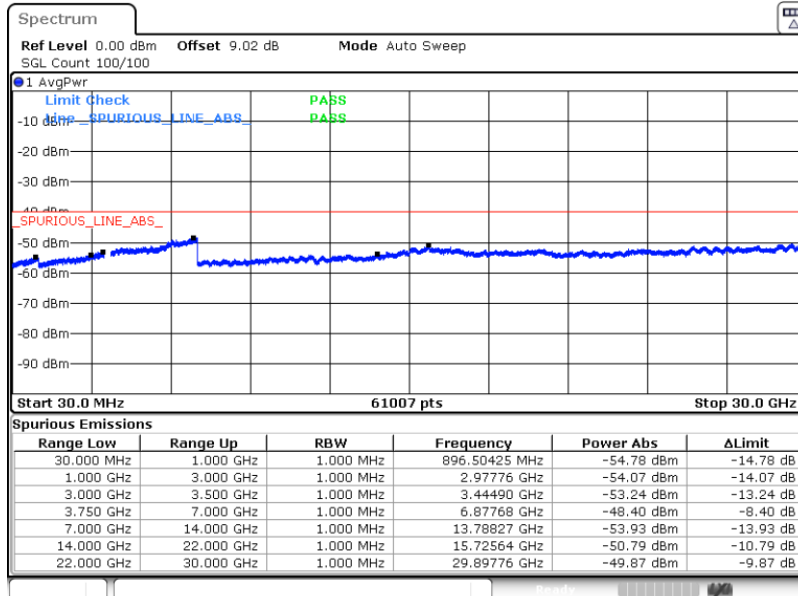


Date: 26.APR.2022 11:21:39



Date: 26.APR.2022 11:20:13

Highest Channel



Date: 26.APR.2022 11:18:45

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0039	
-30	Normal Voltage	0.0114	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0231	
20	Battery End Point	0.0040	

Note:

1. Normal Voltage =3.89V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

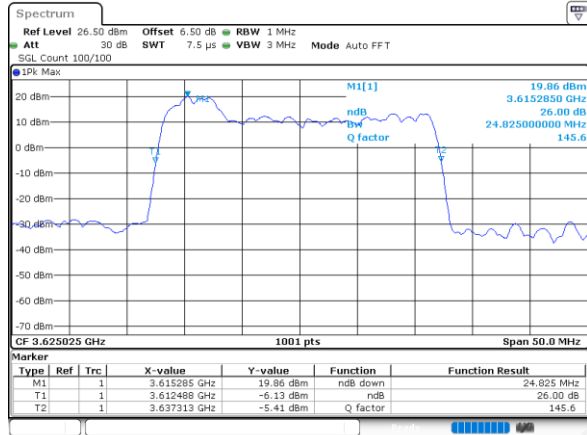
26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.83	24.78
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	30.09	29.91
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.97	34.90
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.98	24.88
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.03	29.97
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	35.11	35.04
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.8	39.88



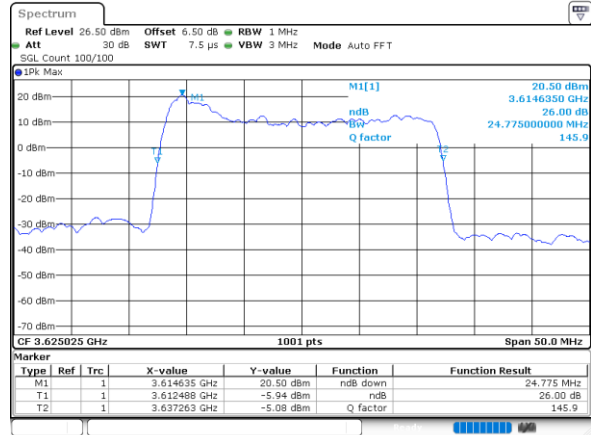
LTE Band 48C

Middle Channel / 5MHz+20MHz/QPSK



Date: 19.MAY.2022 11:39:27

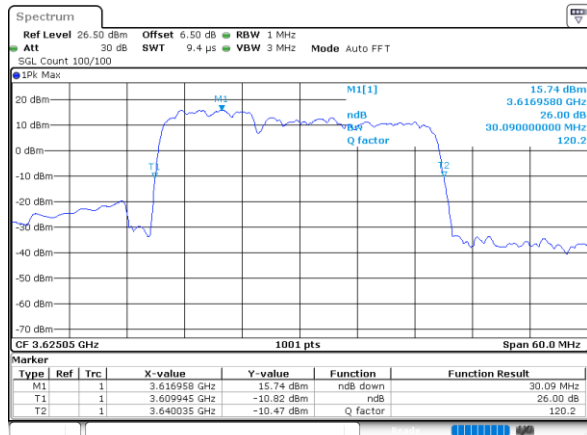
Middle Channel / 5MHz+20MHz/16QAM



Date: 19.MAY.2022 11:40:48

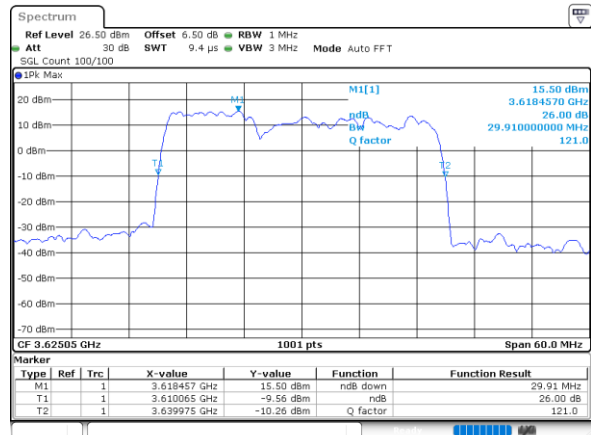
LTE Band 48C

Middle Channel / 10MHz+20MHz/QPSK



Date: 19.MAY.2022 11:41:24

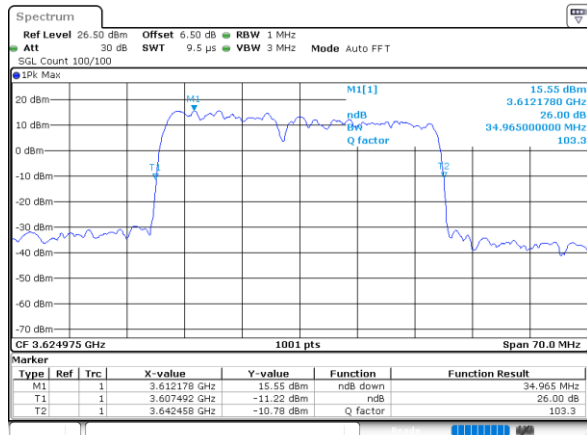
Middle Channel / 10MHz+20MHz/16QAM



Date: 19.MAY.2022 11:42:46

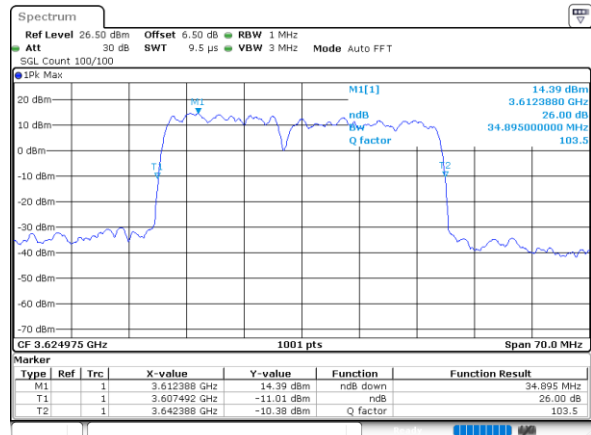
LTE Band 48C

Middle Channel / 15MHz+20MHz/QPSK



Date: 19.MAY.2022 11:43:17

Middle Channel / 15MHz+20MHz/16QAM

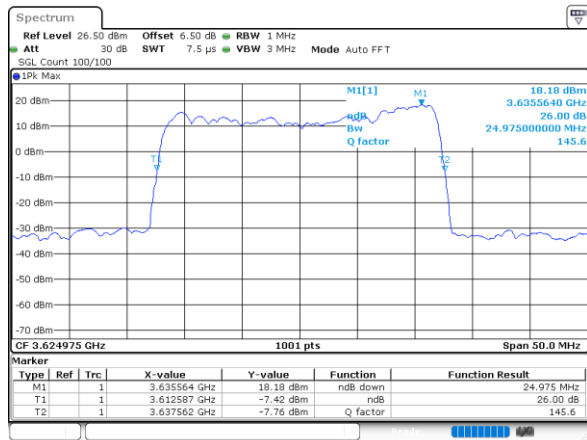


Date: 19.MAY.2022 11:44:38

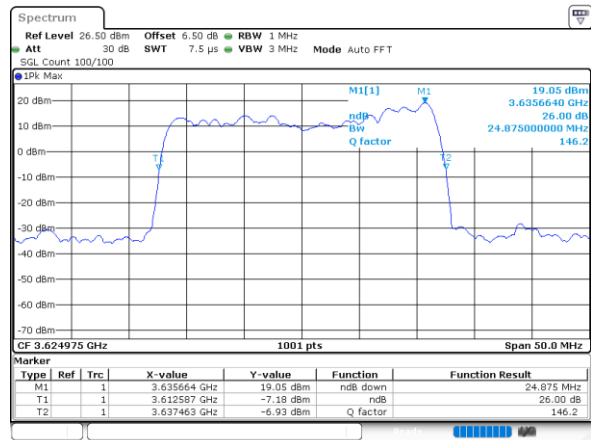


LTE Band 48C

Middle Channel / 20MHz+5MHz/QPSK

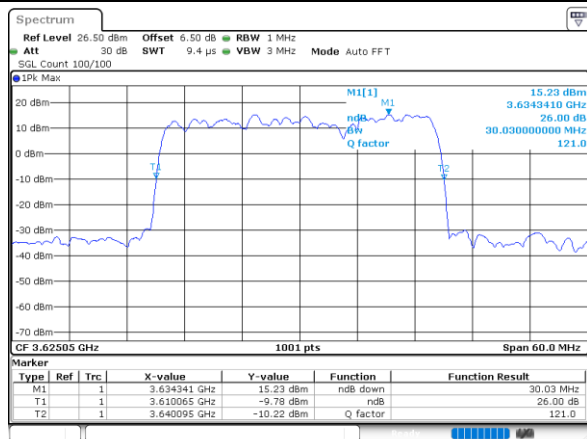


Middle Channel / 20MHz+5MHz/16QAM

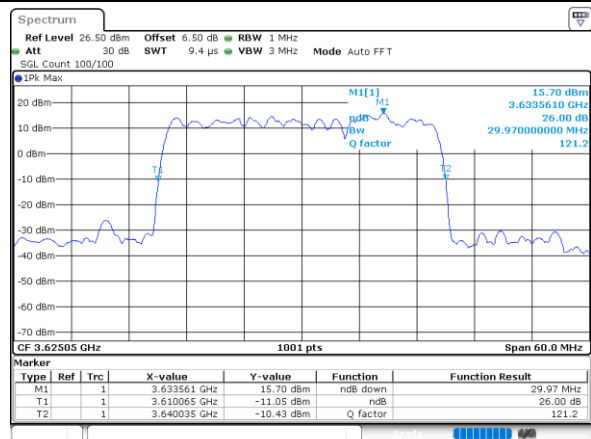


LTE Band 48C

Middle Channel / 20MHz+10MHz/QPSK

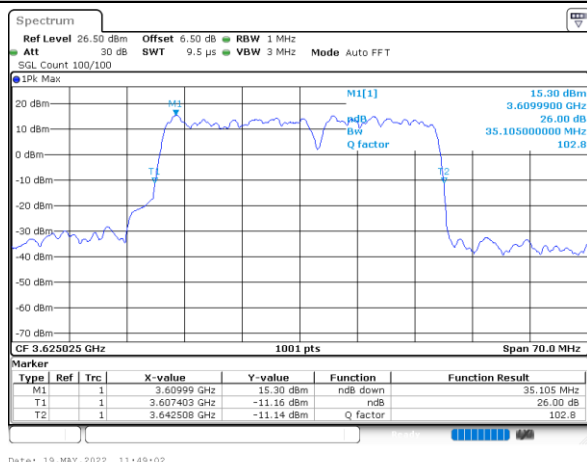


Middle Channel / 20MHz+10MHz/16QAM

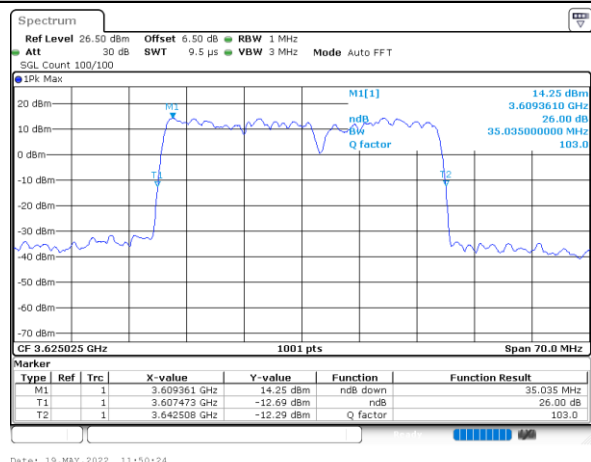


LTE Band 48C

Middle Channel / 20MHz+15MHz/QPSK



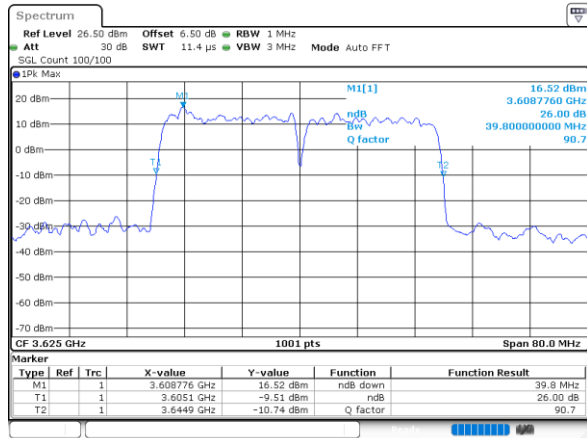
Middle Channel / 20MHz+15MHz/16QAM



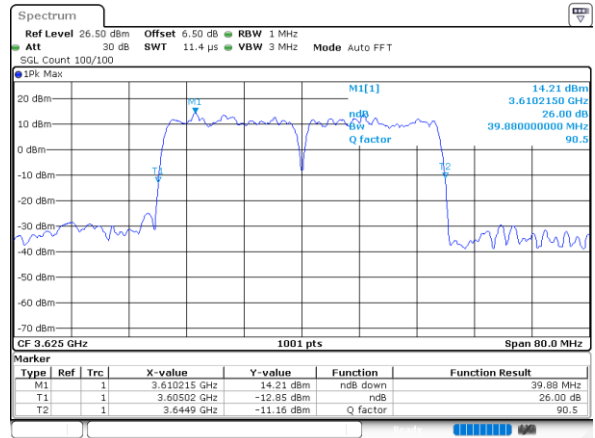


LTE Band 48C

Middle Channel / 20MHz+20MHz/QPSK



Middle Channel / 20MHz+20MHz/16QAM



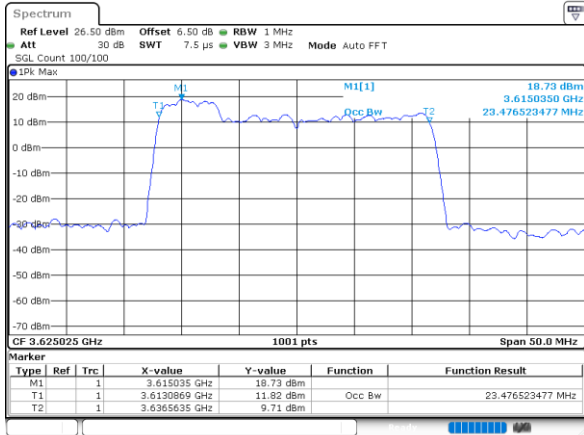
**Occupied Bandwidth**

Mode	LTE Band 48C : OBW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	23.48	23.28
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	27.87	28.05
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.80	32.87
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.53	23.48
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	28.05	28.17
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	33.08	32.80
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.80	37.40

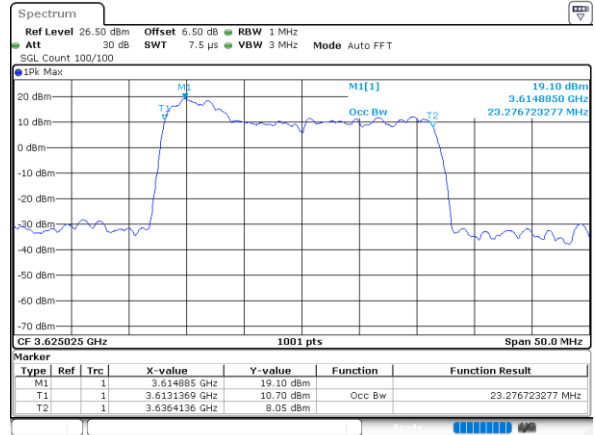


LTE Band 48C

Middle Channel / 5MHz+20MHz/QPSK

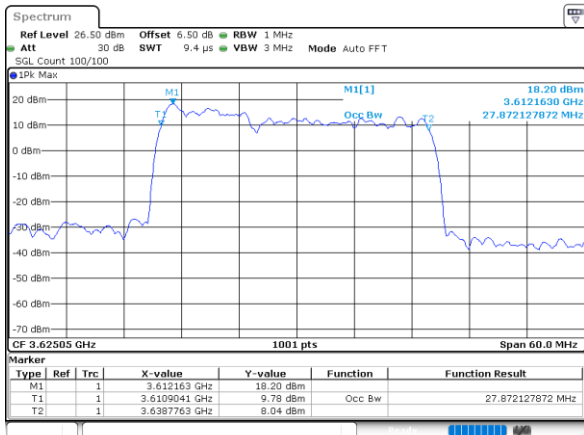


Middle Channel / 5MHz+20MHz/16QAM

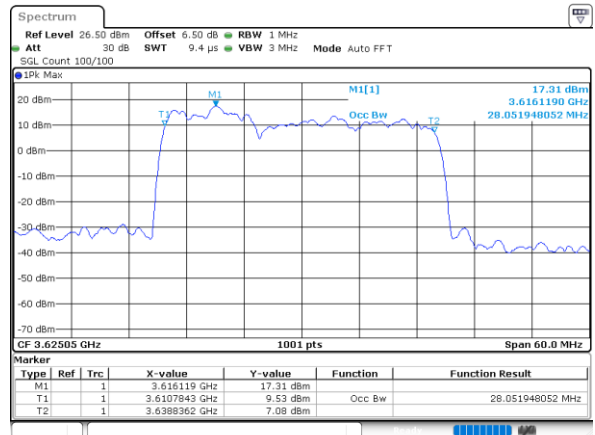


LTE Band 48C

Middle Channel / 10MHz+20MHz/QPSK

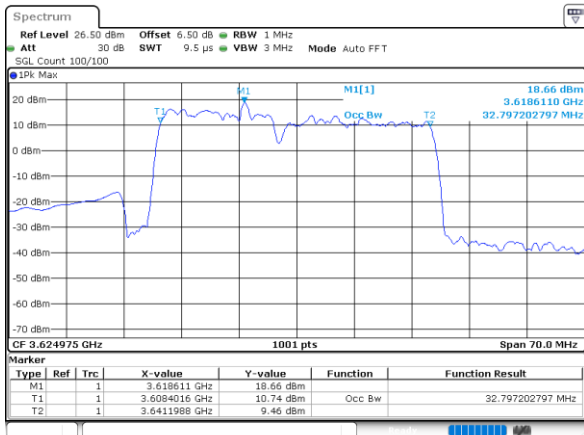


Middle Channel / 10MHz+20MHz/16QAM

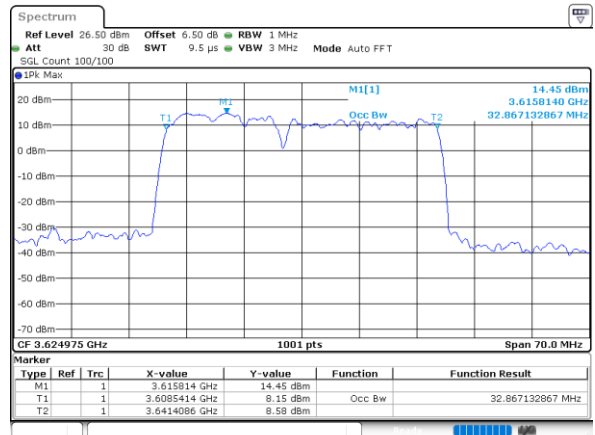


LTE Band 48C

Middle Channel / 15MHz+20MHz/QPSK



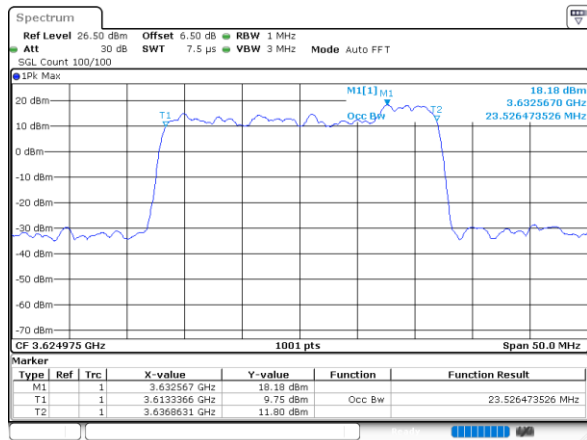
Middle Channel / 15MHz+20MHz/16QAM



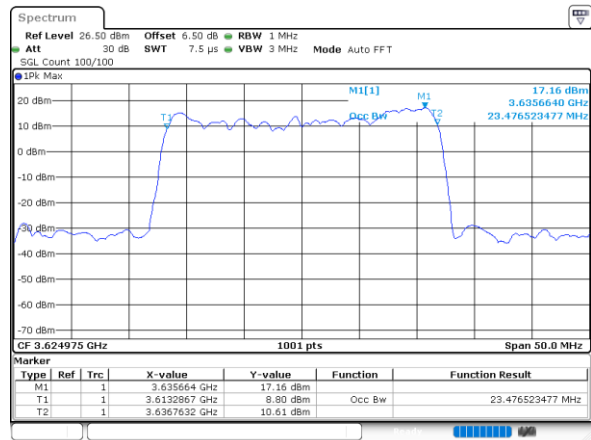


LTE Band 48C

Middle Channel / 20MHz+5MHz/QPSK

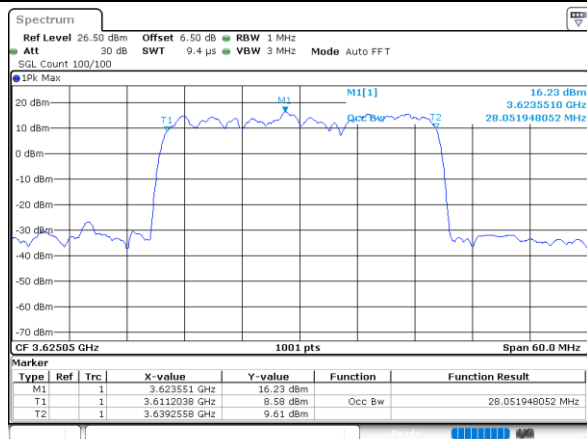


Middle Channel / 20MHz+5MHz/16QAM

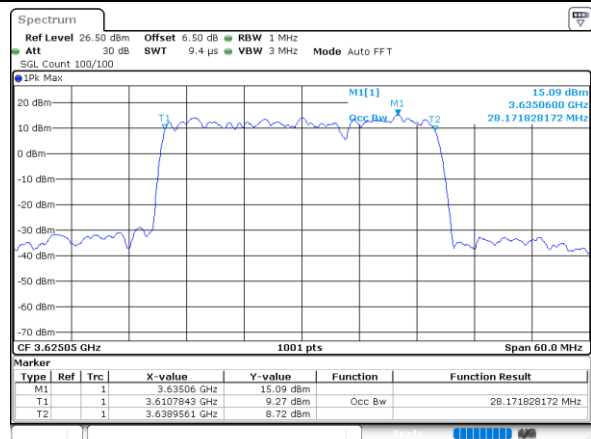


LTE Band 48C

Middle Channel / 20MHz+10MHz/QPSK

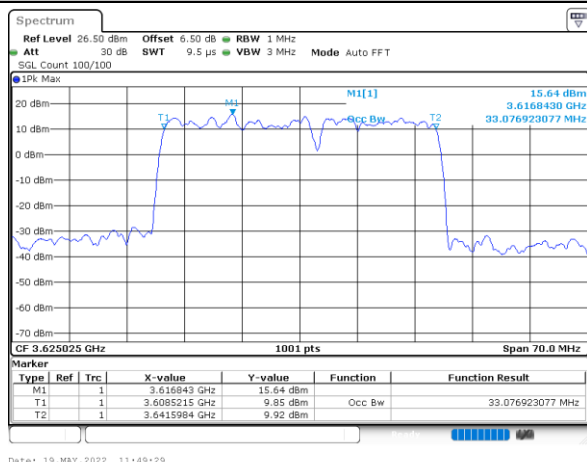


Middle Channel / 20MHz+10MHz/16QAM

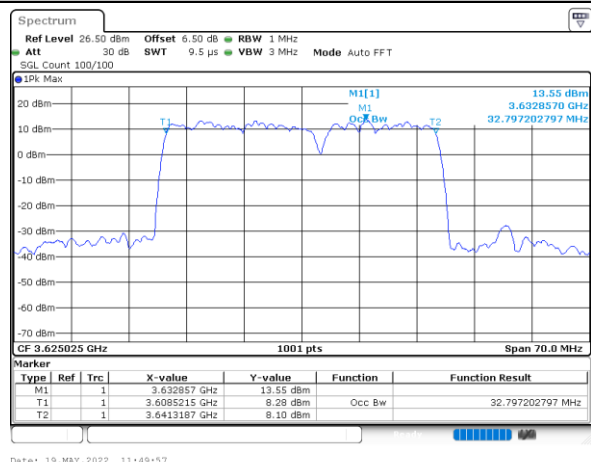


LTE Band 48C

Middle Channel / 20MHz+15MHz/QPSK



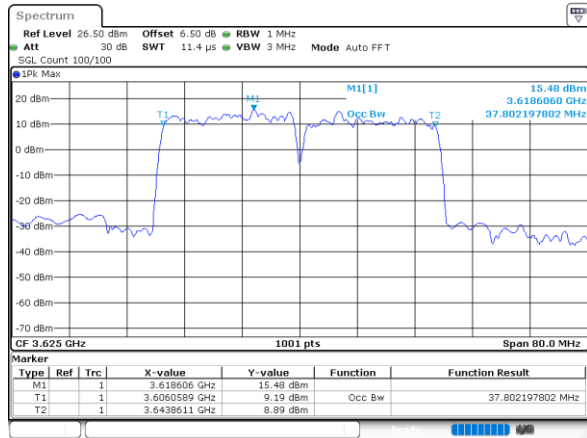
Middle Channel / 20MHz+15MHz/16QAM



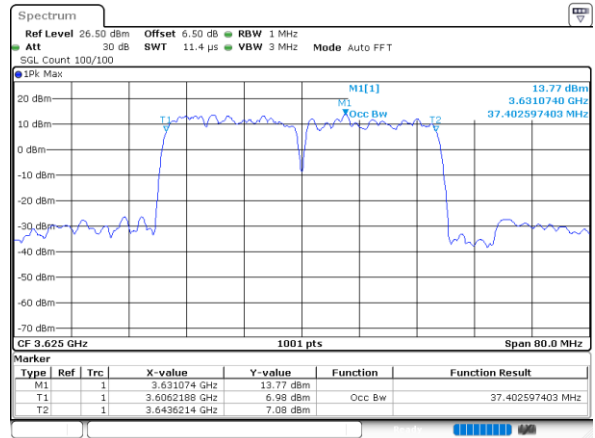


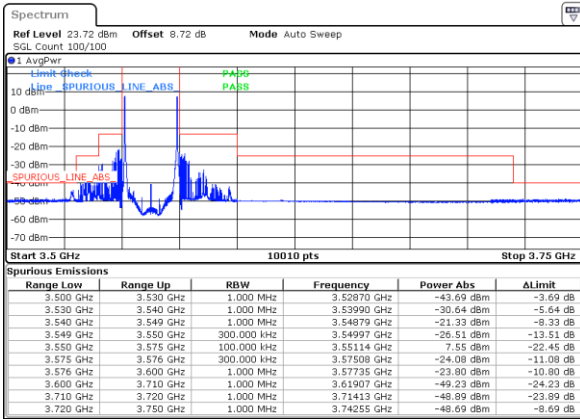
LTE Band 48C

Middle Channel / 20MHz+20MHz/QPSK

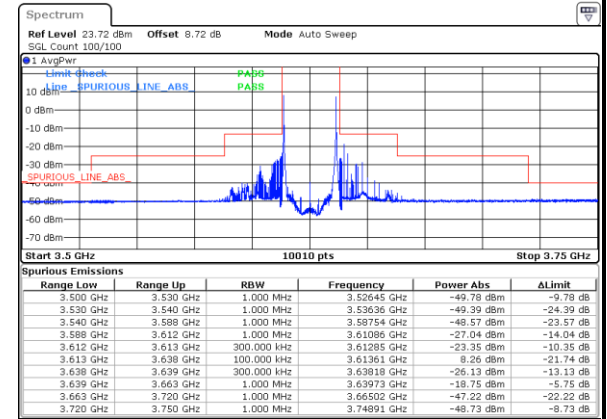


Middle Channel / 20MHz+20MHz/16QAM



**Conducted Band Edge****LTE Band 48C / 5MHz+20MHz****QPSK****Lowest Band Edge / 1RB0 and 1RB99**

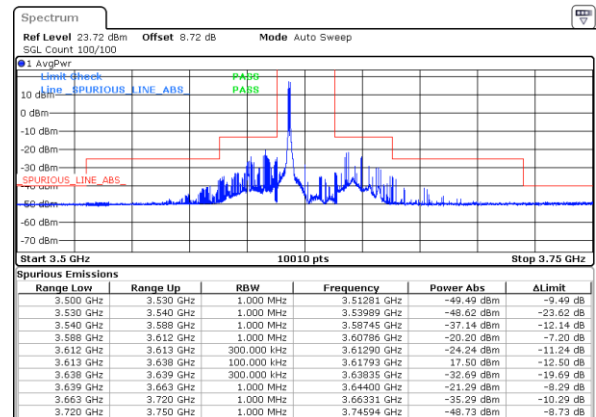
Date: 16 MAY 2022 18:59:27

Middle Band Edge / 1RB0 and 1RB99

Date: 16 MAY 2022 19:50:41

Lowest Band Edge / 1RB24 and 1RB0

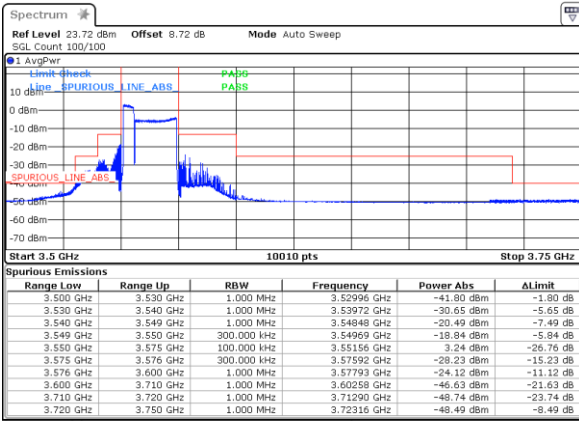
Date: 16 MAY 2022 19:10:52

Middle Band Edge / 1RB24 and 1RB0

Date: 16 MAY 2022 19:53:06

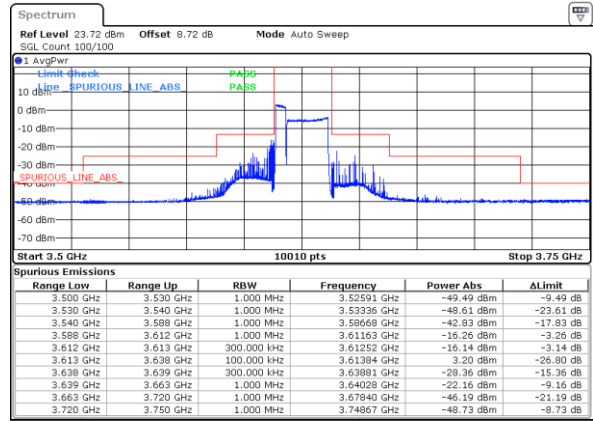


Lowest Band Edge / Full RB



Date: 16 MAY 2022 19:29:47

Middle Band Edge / Full RB



Date: 16 MAY 2022 19:33:43

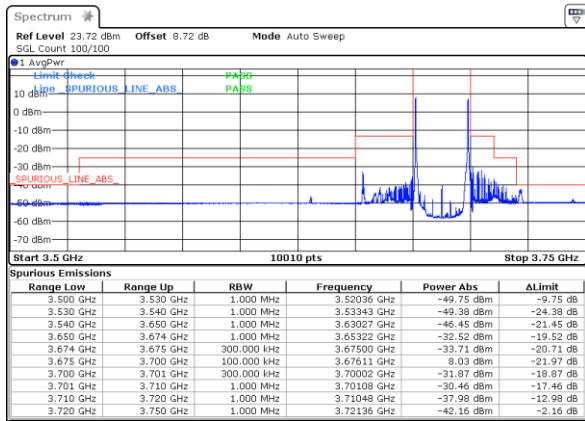


LTE Band 48C / 5MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

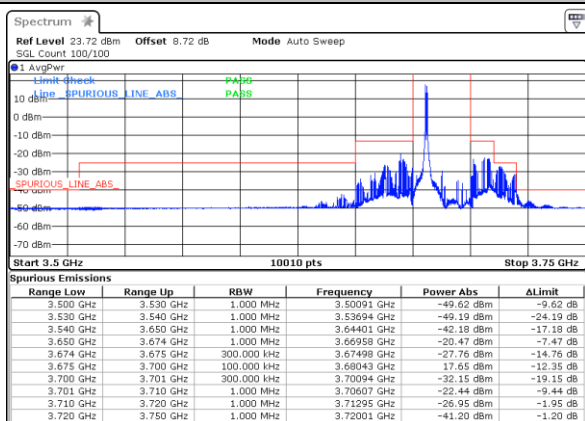
N/A



Date: 16 MAY 2022 15:36:51

Highest Band Edge / 1RB24 and 1RB0

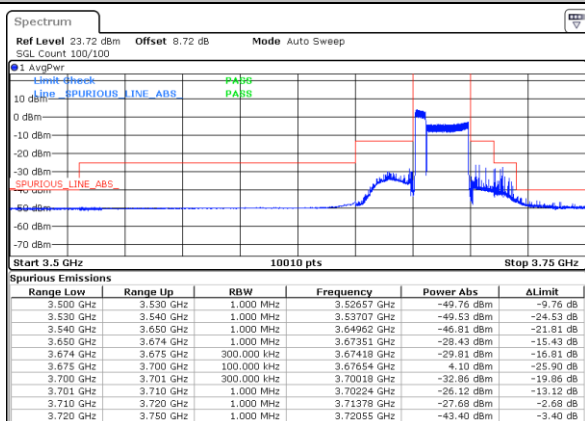
N/A



Date: 16 MAY 2022 20:05:21

Highest Band Edge / Full RB

N/A



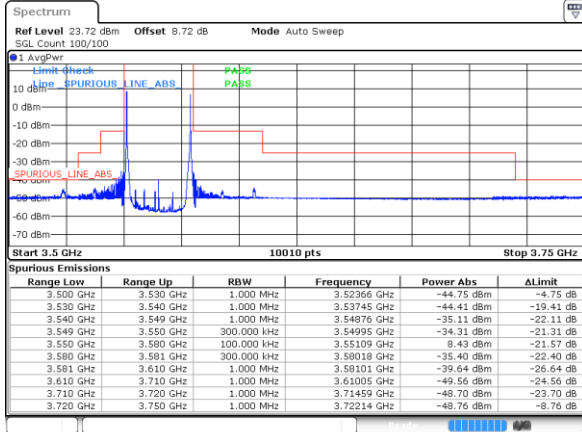
Date: 16 MAY 2022 15:50:56



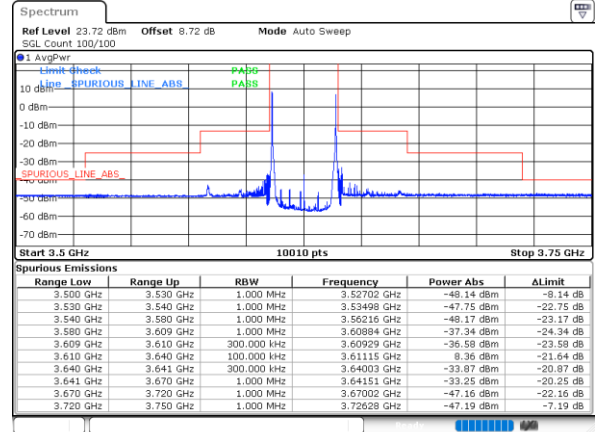
LTE Band 48C / 10MHz+20MHz

QPSK

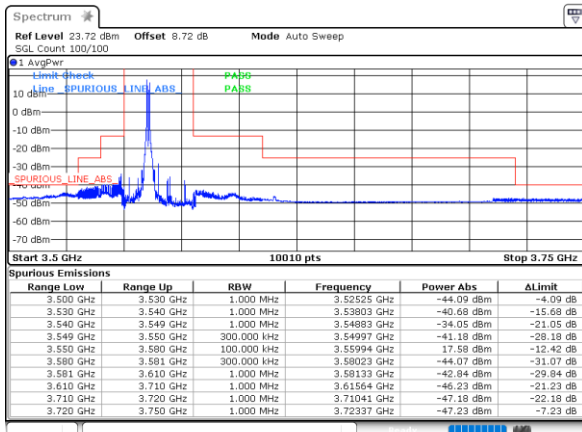
Lowest Band Edge / 1RB0 and 1RB99



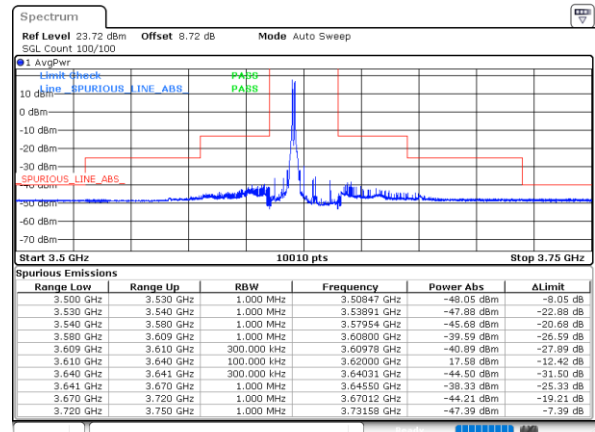
Middle Band Edge / 1RB0 and 1RB99



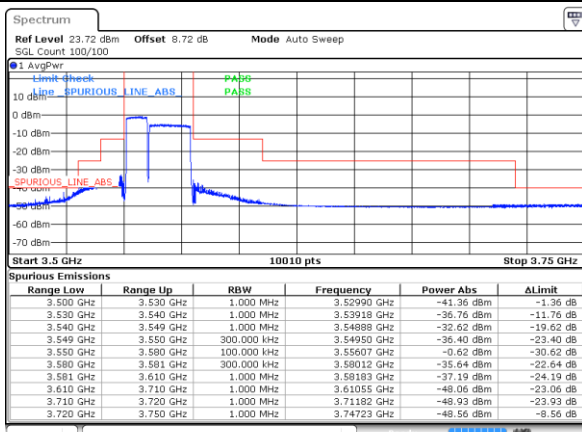
Lowest Band Edge / 1RB49 and 1RB0



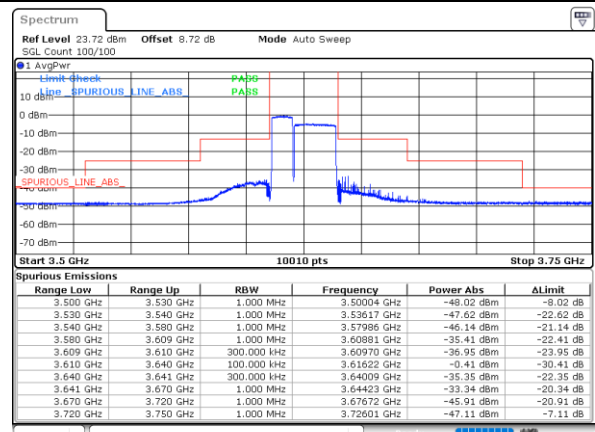
Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



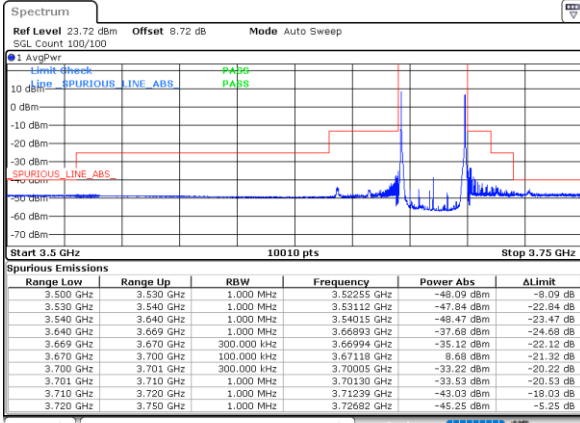


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

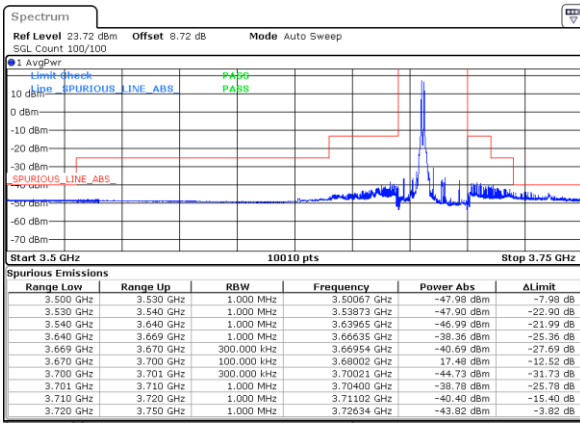
N/A



Date: 17.MAY.2022 08:35:45

Highest Band Edge / 1RB49 and 1RB0

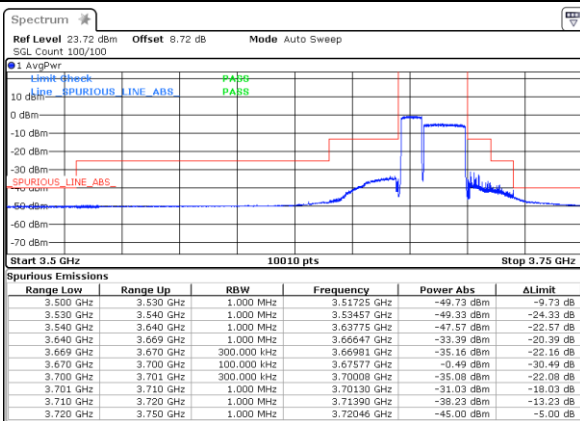
N/A



Date: 17.MAY.2022 08:37:33

Highest Band Edge / Full RB

N/A



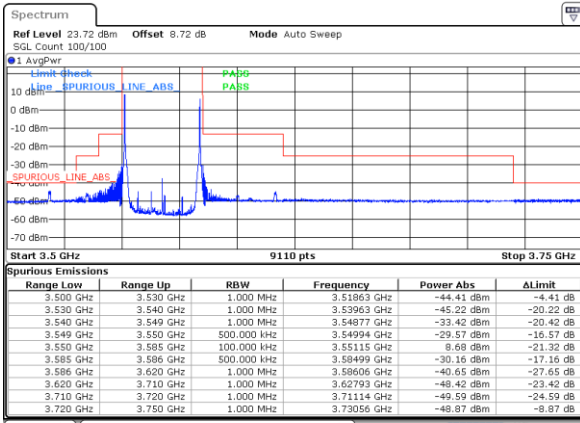
Date: 16 MAY 2022 16:21:58



LTE Band 48C / 15MHz+20MHz

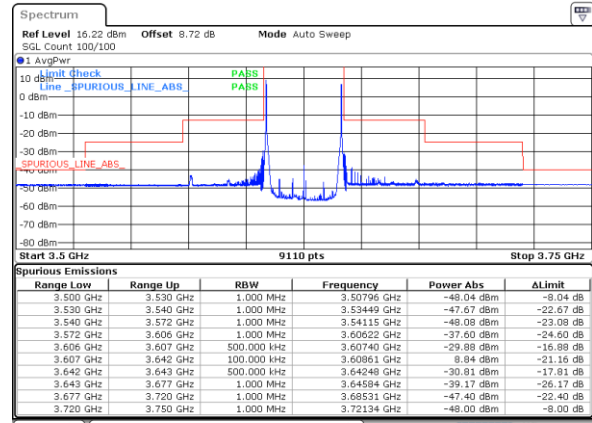
QPSK

Lowest Band Edge / 1RB0 and 1RB99



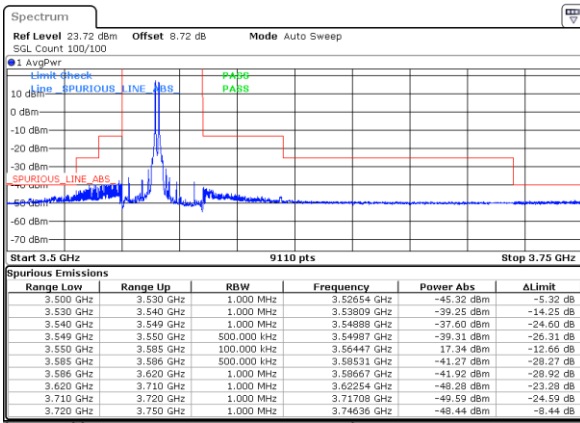
Date: 16 MAY 2022 16:35:37

Middle Band Edge / 1RB0 and 1RB99



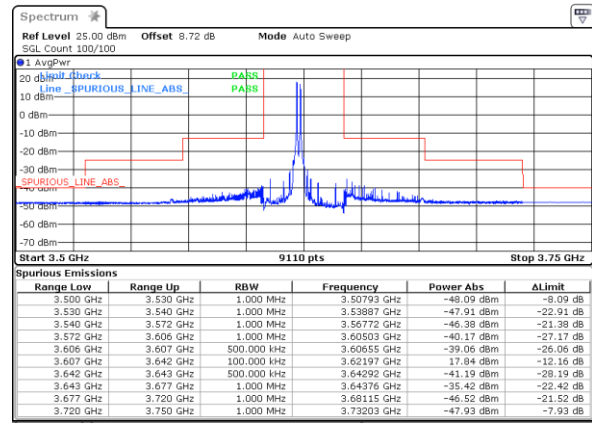
Date: 17 MAY 2022 08:55:12

Lowest Band Edge / 1RB74 and 1RB0



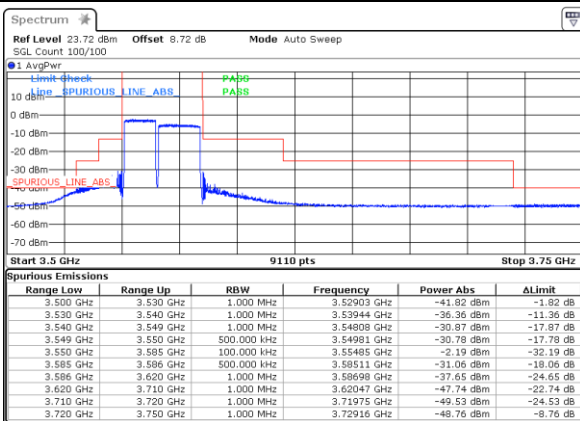
Date: 16 MAY 2022 16:44:59

Middle Band Edge / 1RB74 and 1RB0



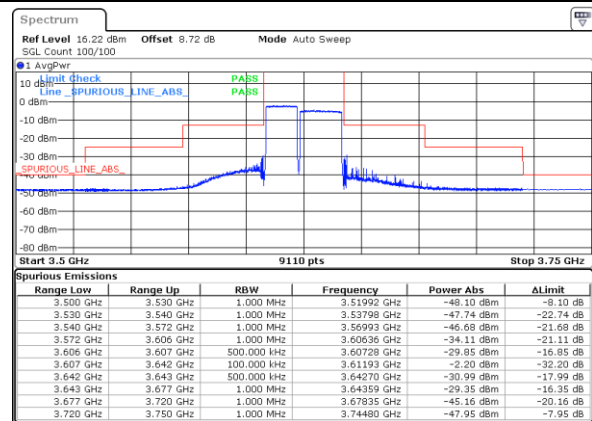
Date: 17 MAY 2022 09:03:02

Lowest Band Edge / Full RB



Date: 16 MAY 2022 16:47:45

Middle Band Edge / Full RB



Date: 17 MAY 2022 08:46:55

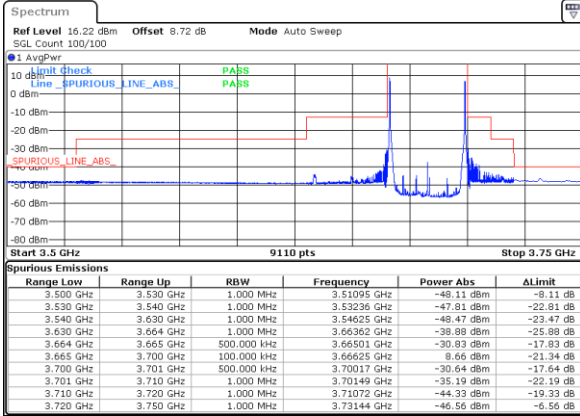


LTE Band 48C / 15MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

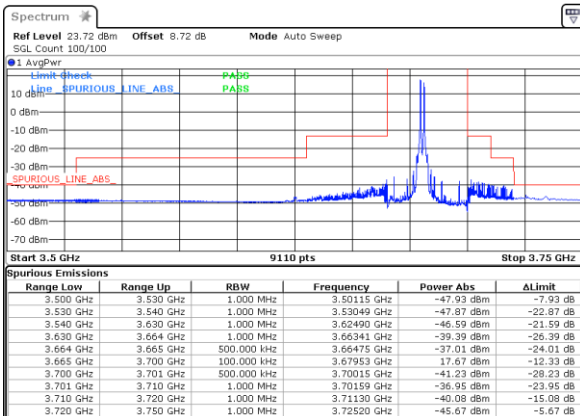
N/A



Date: 17.MAY.2022 09:17:45

Highest Band Edge / 1RB74 and 1RB0

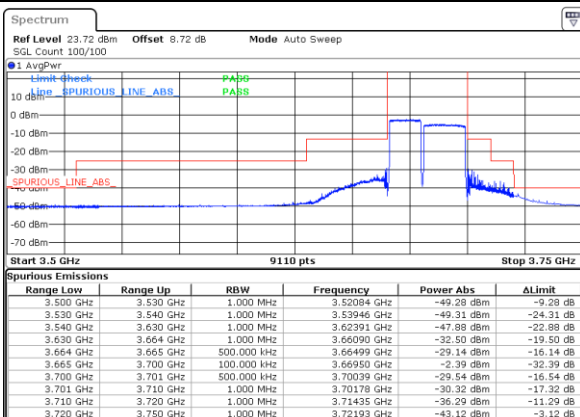
N/A



Date: 17.MAY.2022 09:26:06

Highest Band Edge / Full RB

N/A



Date: 16 MAY 2022 17:01:10