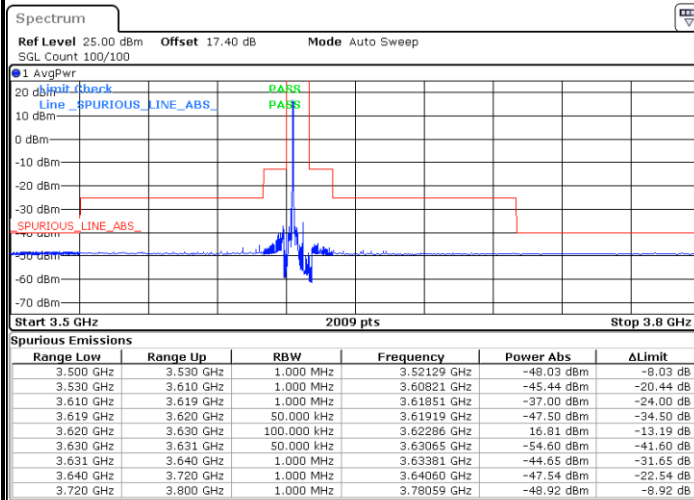




LTE Band 48 / 5MHz

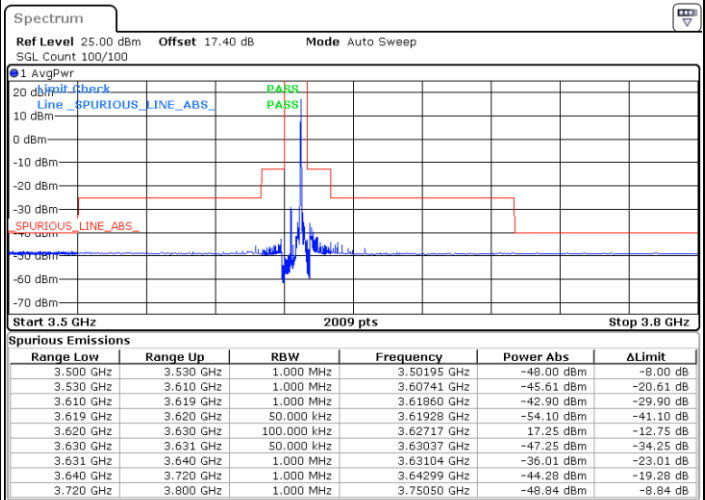
16QAM

Middle Channel / 1RB0



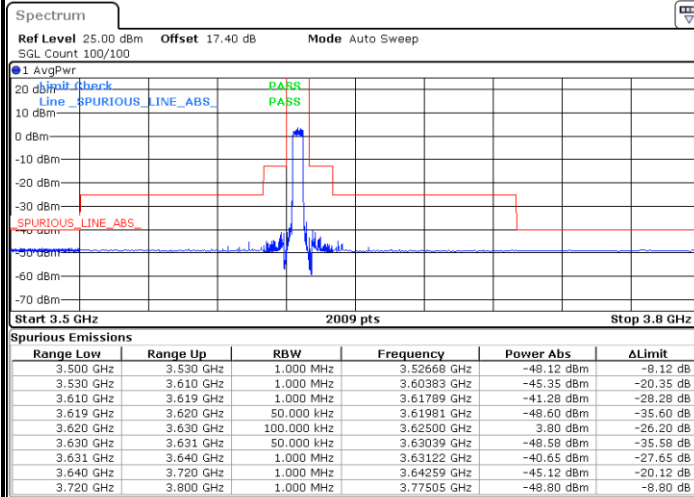
Date: 18.MAR.2025 23:51:27

Middle Channel / 1RBmax



Date: 19.MAR.2025 00:18:25

Middle Channel / FullRB



Date: 19.MAR.2025 00:04:56

N/A

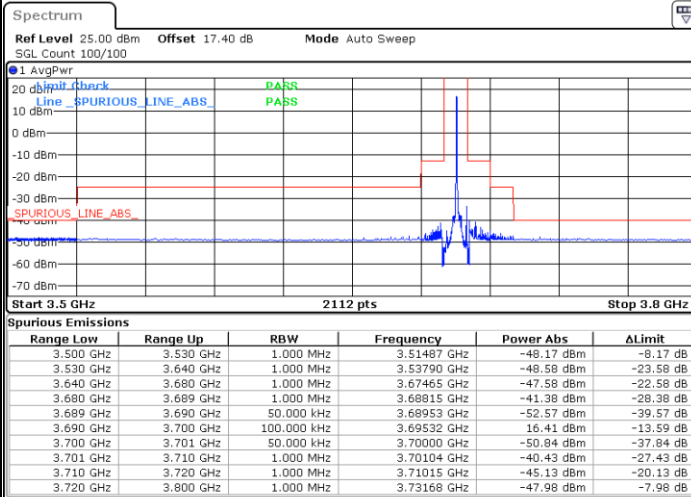


LTE Band 48 / 5MHz

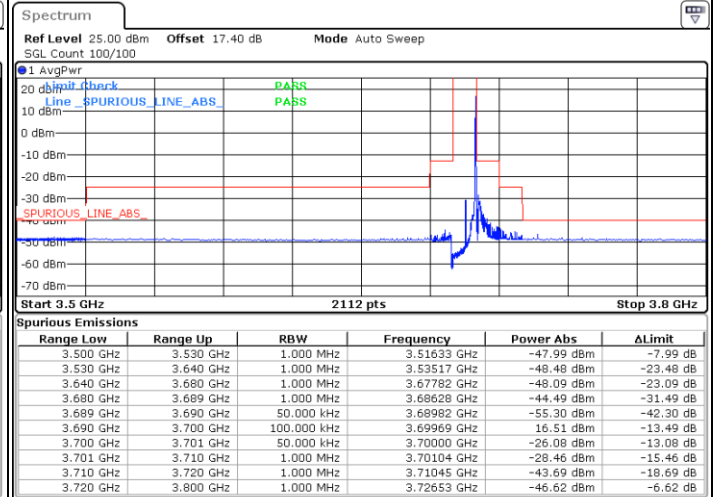
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



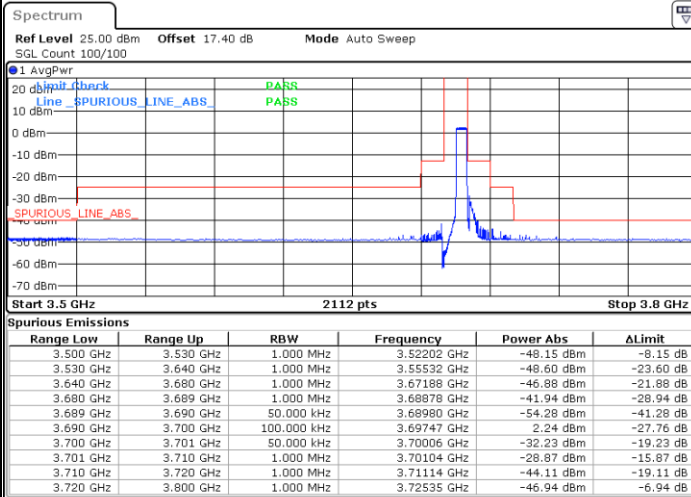
Date: 18.MAR.2025 23:55:56



Date: 19.MAR.2025 00:22:57

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 00:09:25

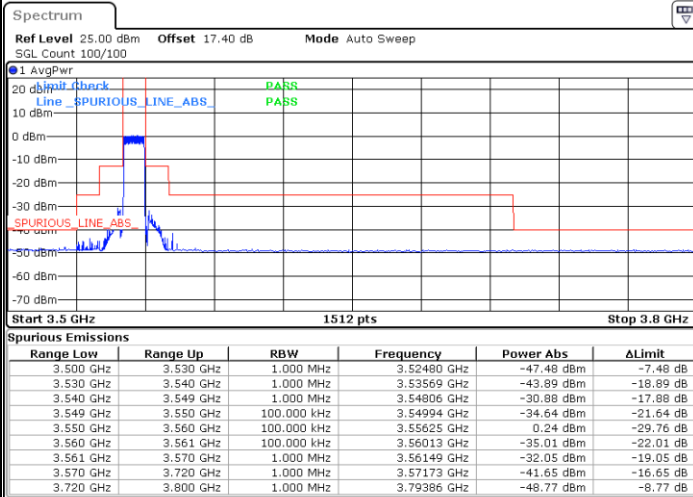


LTE Band 48 / 10MHz

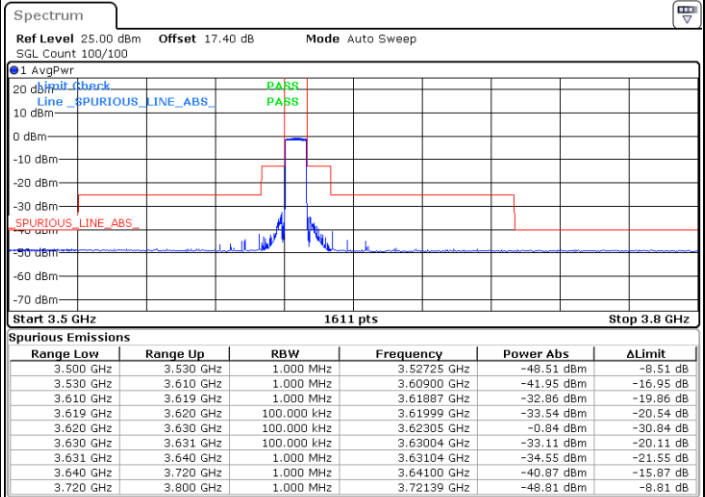
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



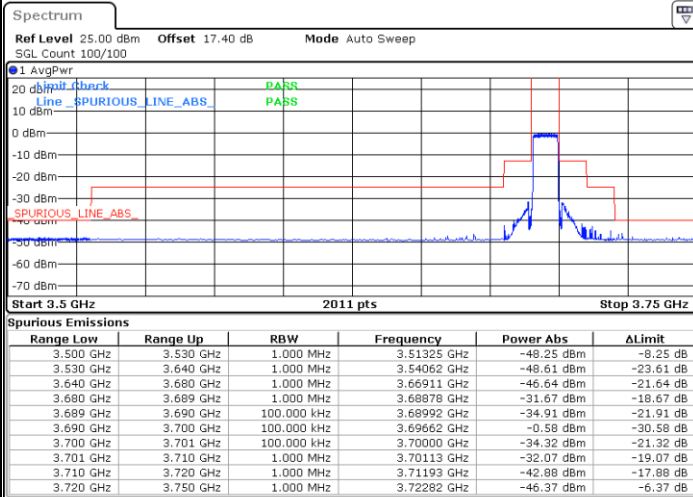
Date: 19.MAR.2025 01:39:53



Date: 19.MAR.2025 01:44:01

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 01:48:09

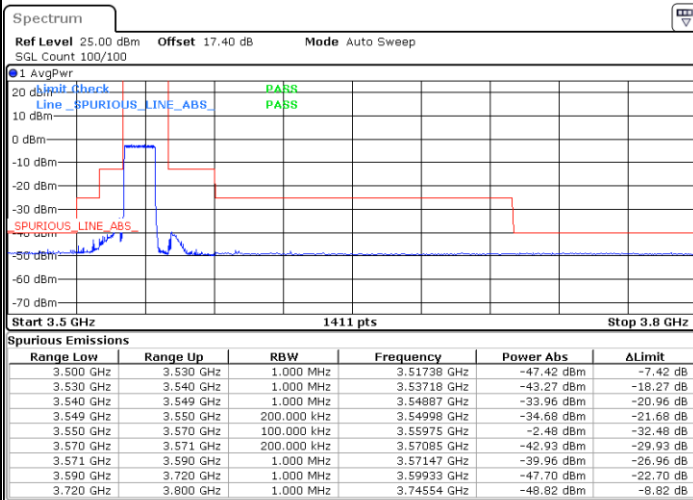


LTE Band 48 / 15MHz

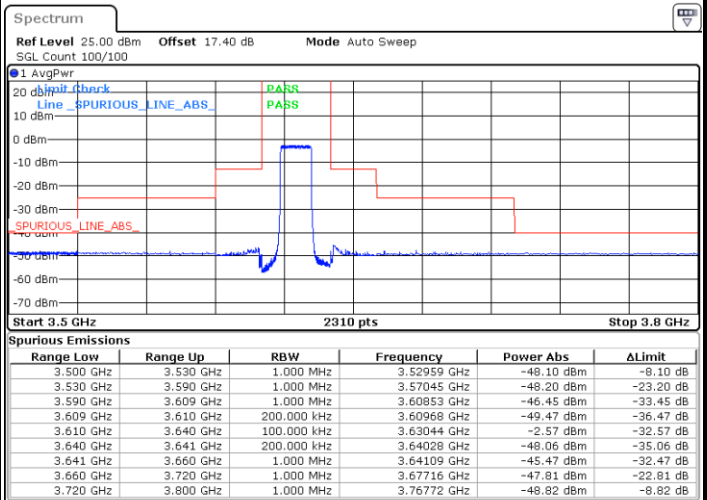
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



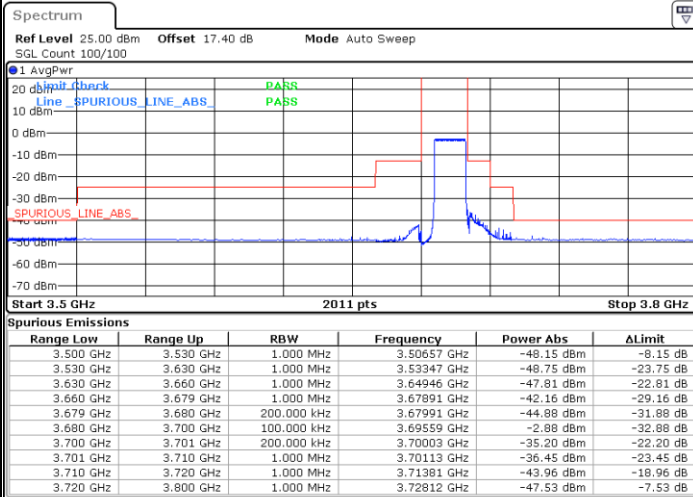
Date: 19.MAR.2025 01:52:19



Date: 19.MAR.2025 01:56:27

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 02:00:35

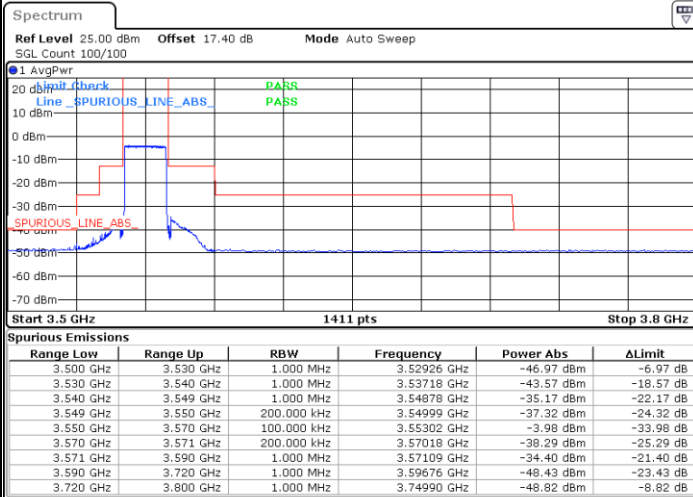


LTE Band 48 / 20MHz

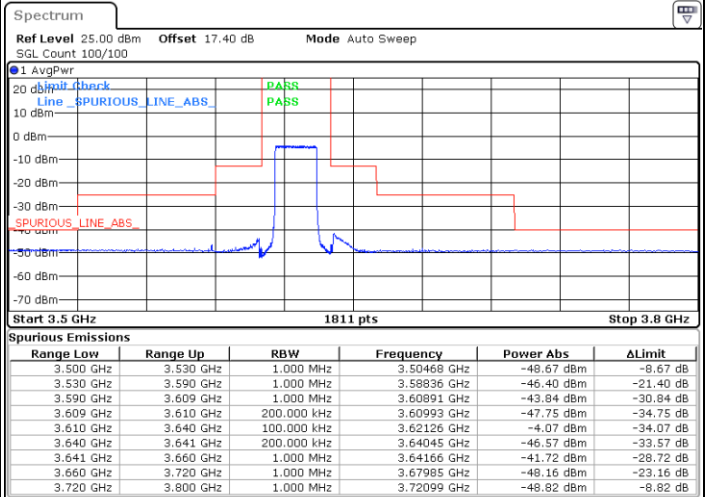
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



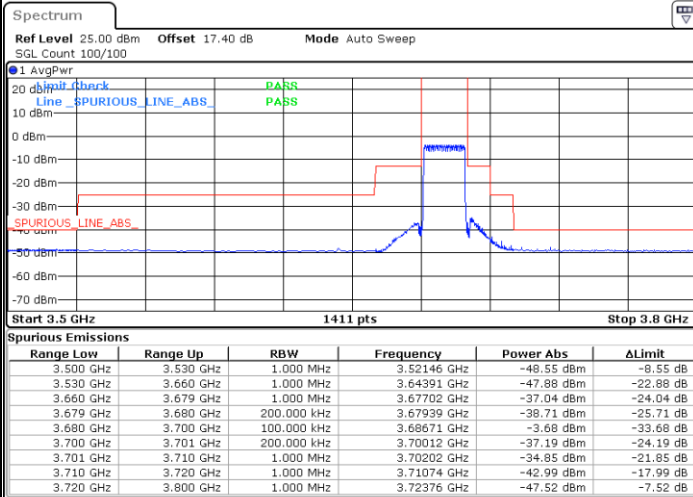
Date: 19.MAR.2025 02:04:45



Date: 19.MAR.2025 02:08:54

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 02:13:02

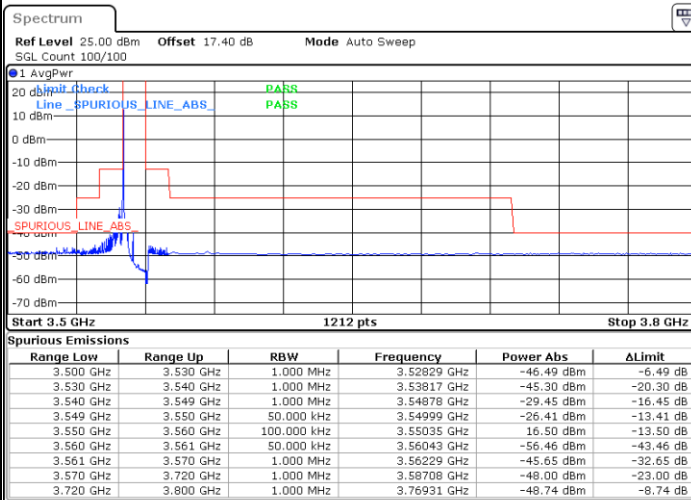


LTE Band 48 / 5MHz

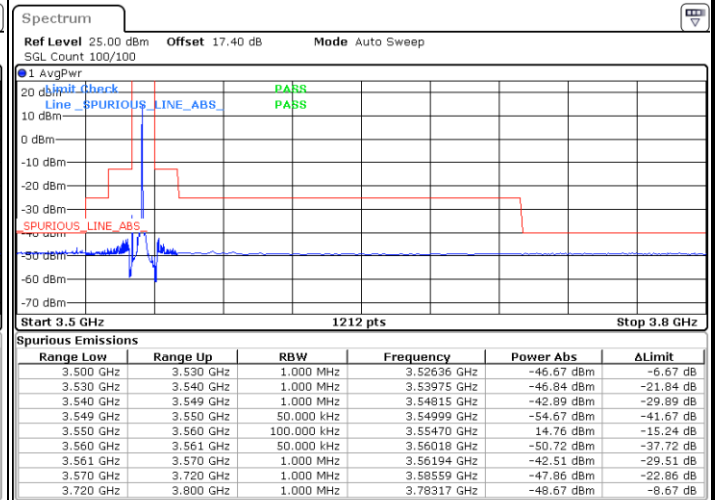
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Date: 18.MAR.2025 23:48:05



Date: 19.MAR.2025 00:15:03

Lowest Channel / FullRB

N/A



Date: 19.MAR.2025 00:01:35

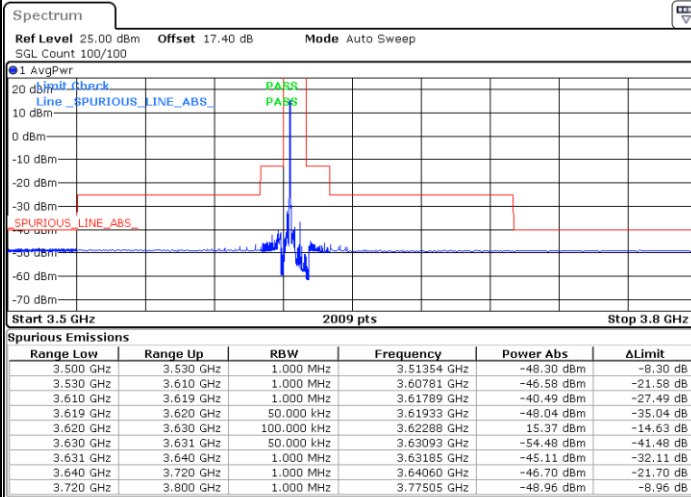


LTE Band 48 / 5MHz

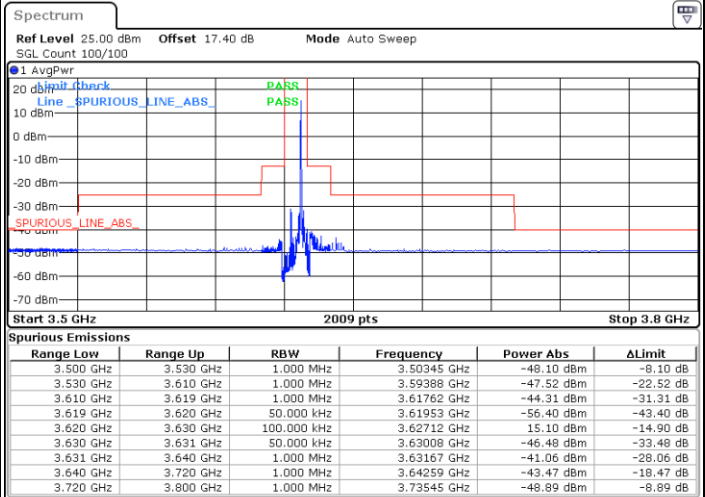
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



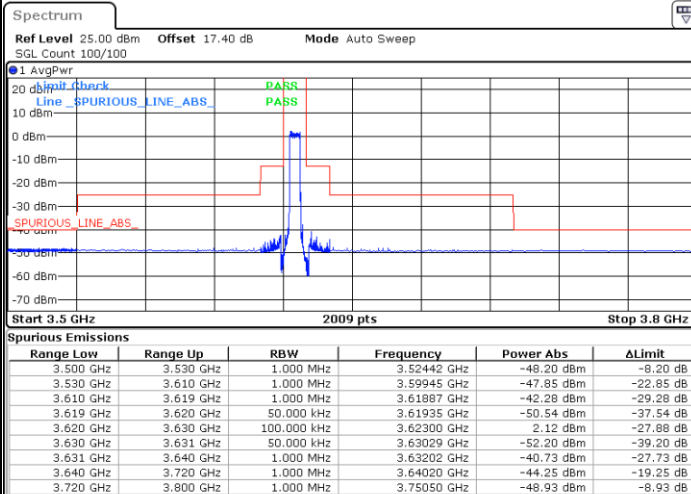
Date: 18.MAR.2025 23:52:34



Date: 19.MAR.2025 00:19:35

Middle Channel / FullRB

N/A



Date: 19.MAR.2025 00:06:03

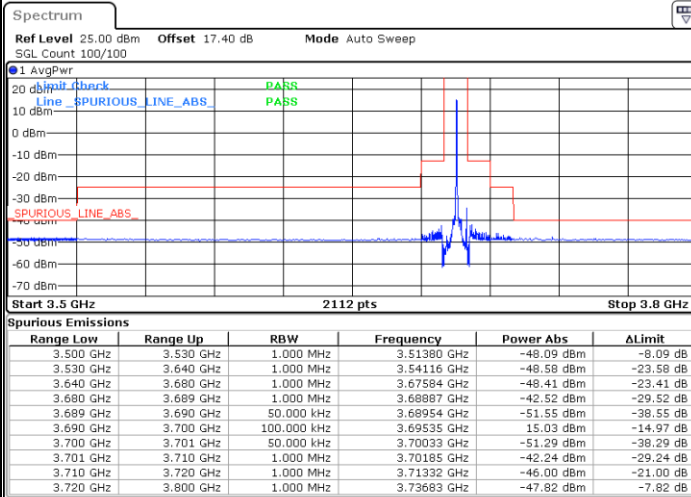


LTE Band 48 / 5MHz

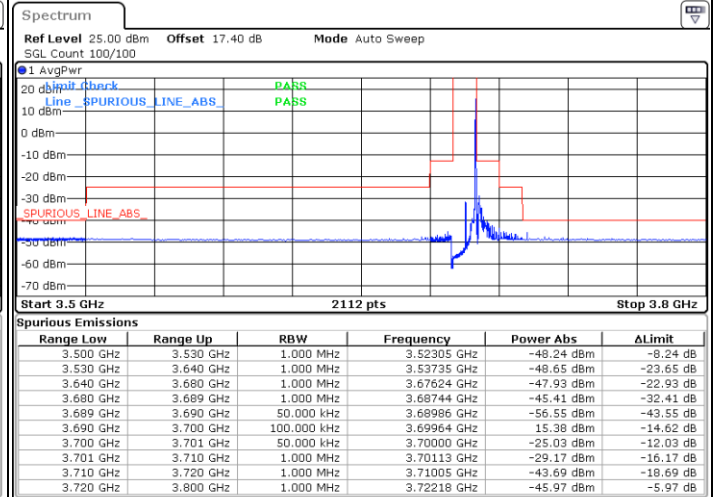
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



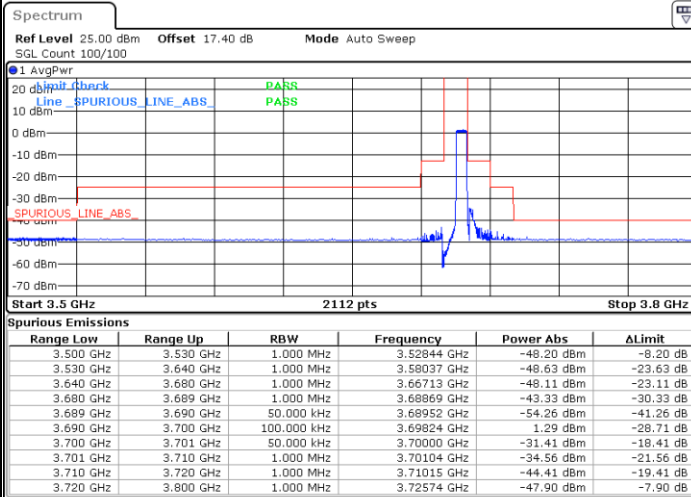
Date: 18.MAR.2025 23:57:04



Date: 19.MAR.2025 00:24:04

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 00:10:33

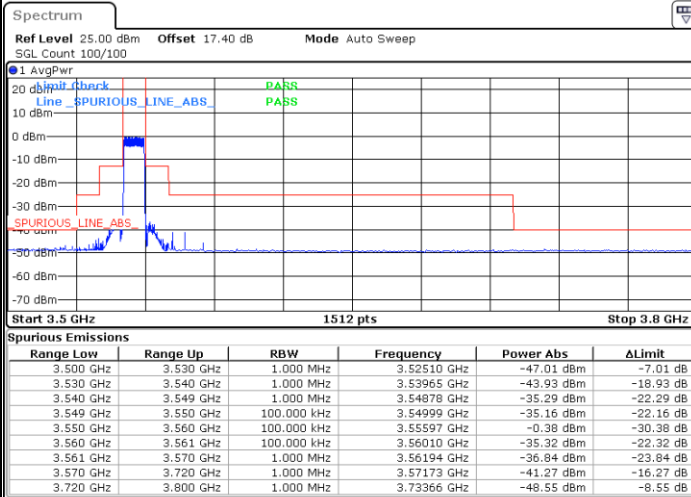


LTE Band 48 / 10MHz

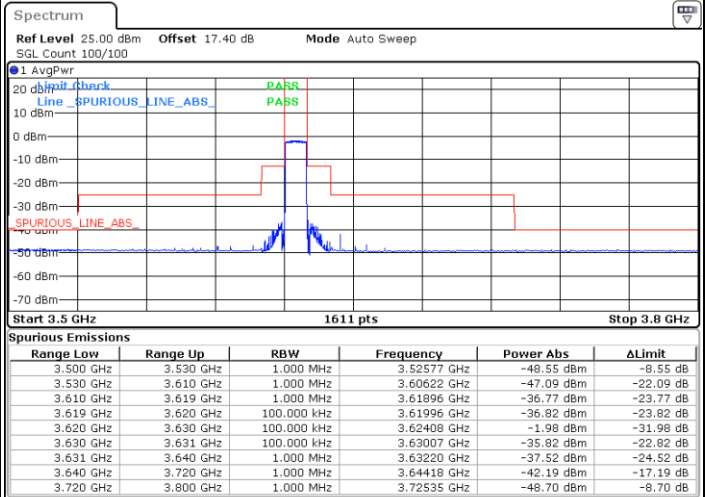
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



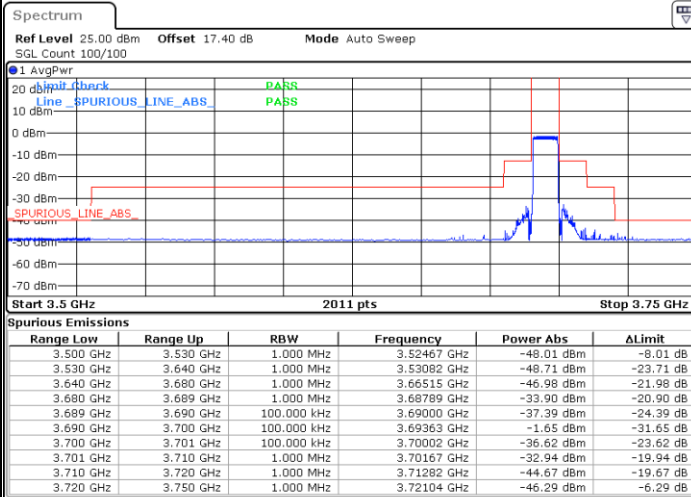
Date: 19.MAR.2025 01:40:55



Date: 19.MAR.2025 01:45:03

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 01:49:11

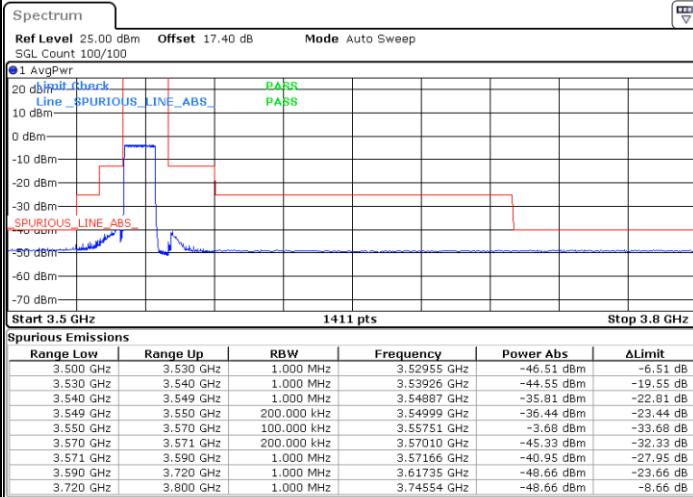


LTE Band 48 / 15MHz

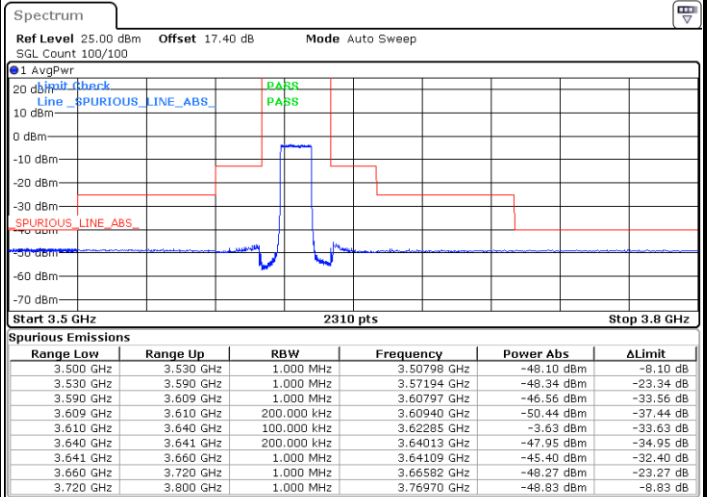
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



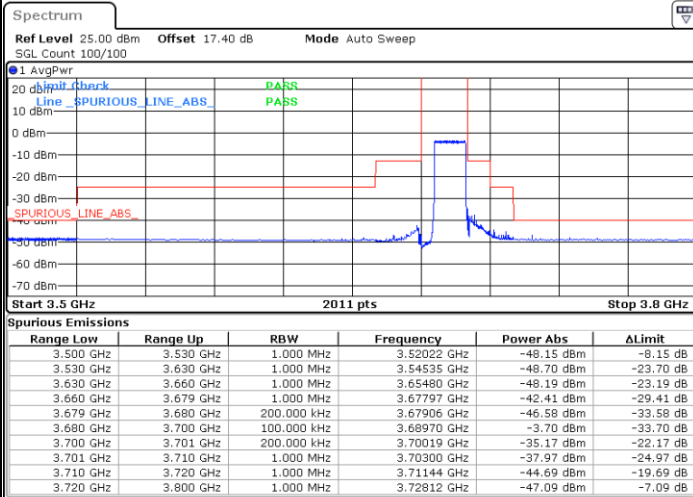
Date: 19.MAR.2025 01:53:21



Date: 19.MAR.2025 01:57:29

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 02:01:37

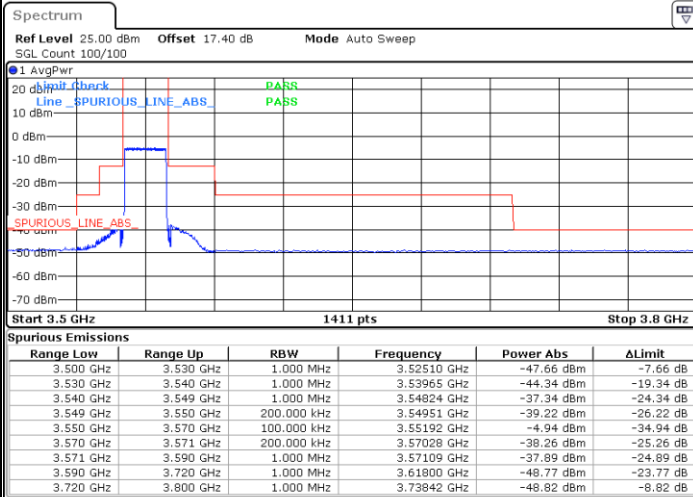


LTE Band 48 / 20MHz

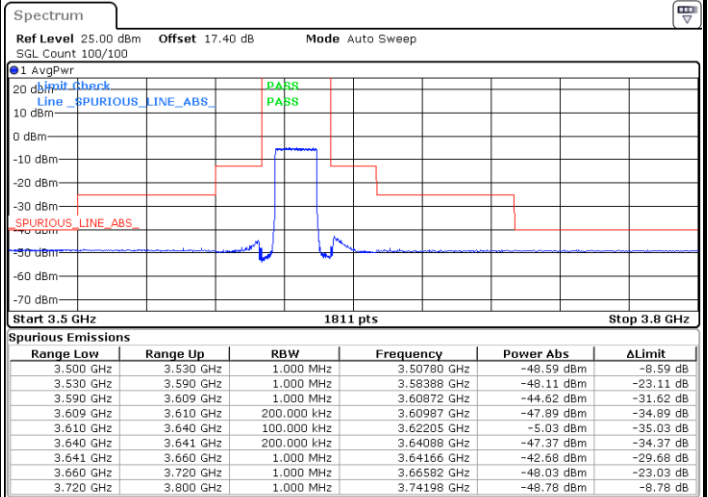
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



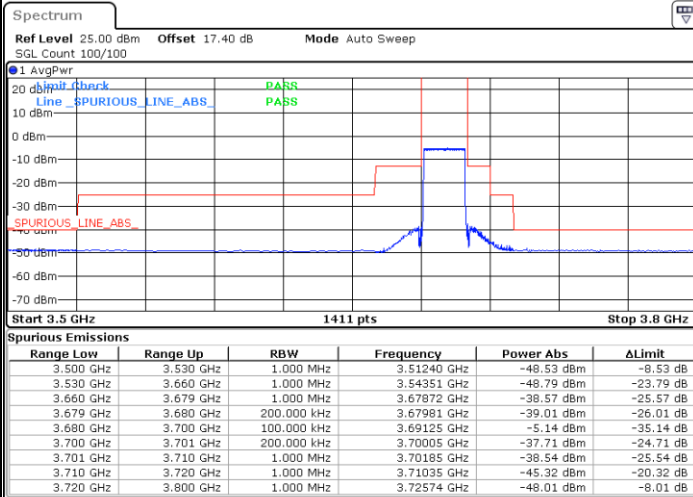
Date: 19.MAR.2025 02:05:48



Date: 19.MAR.2025 02:09:56

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 02:14:04

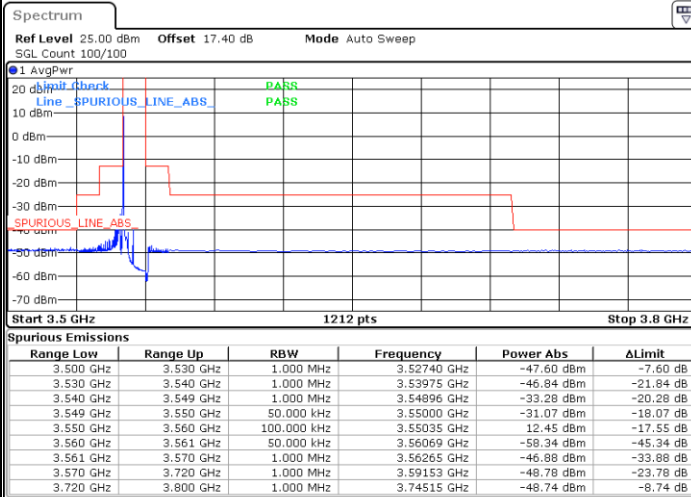


LTE Band 48 / 5MHz

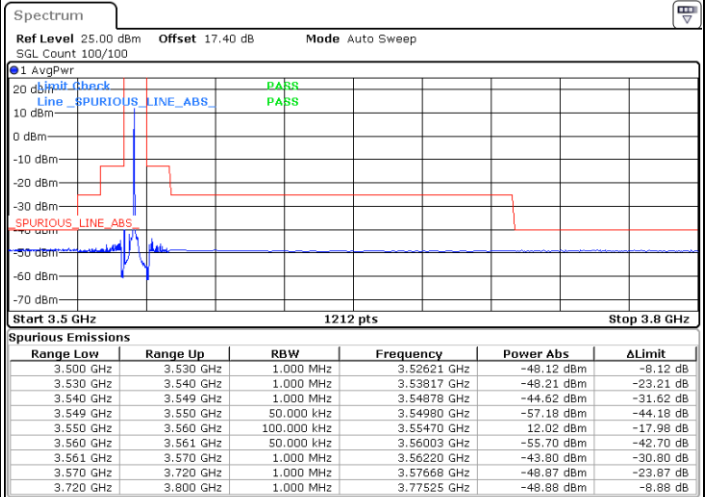
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



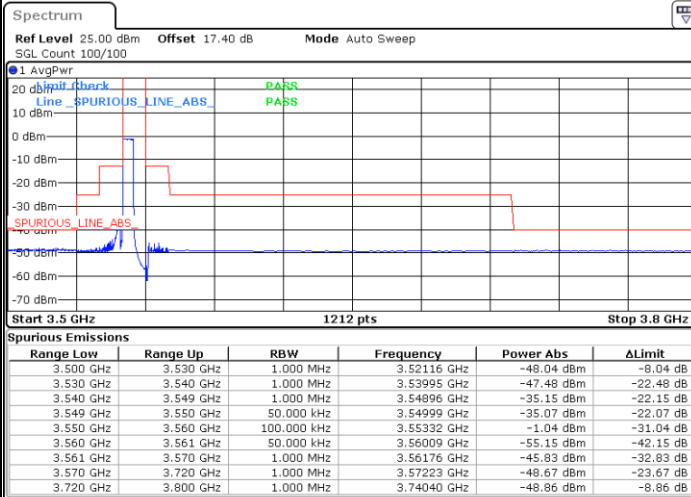
Date: 18.MAR.2025 23:49:13



Date: 19.MAR.2025 00:16:11

Lowest Channel / FullIRB

N/A



Date: 19.MAR.2025 00:02:42

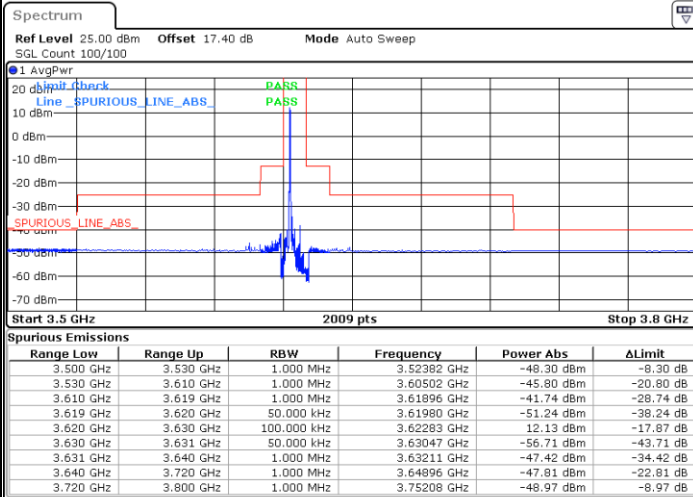


LTE Band 48 / 5MHz

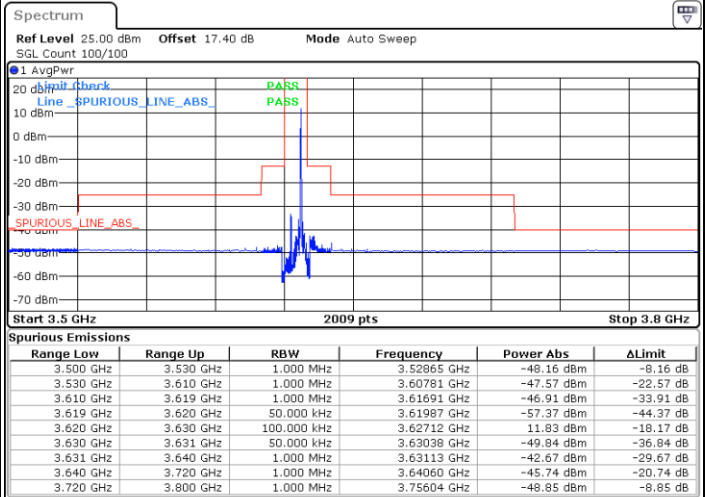
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



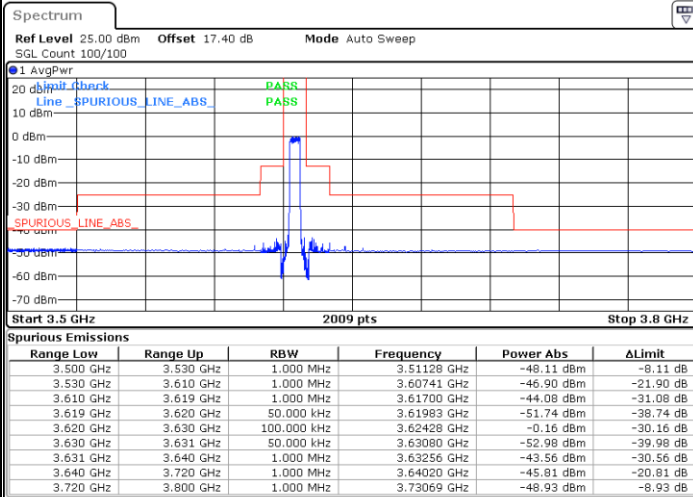
Date: 18.MAR.2025 23:53:41



Date: 19.MAR.2025 00:20:42

Middle Channel / FullIRB

N/A



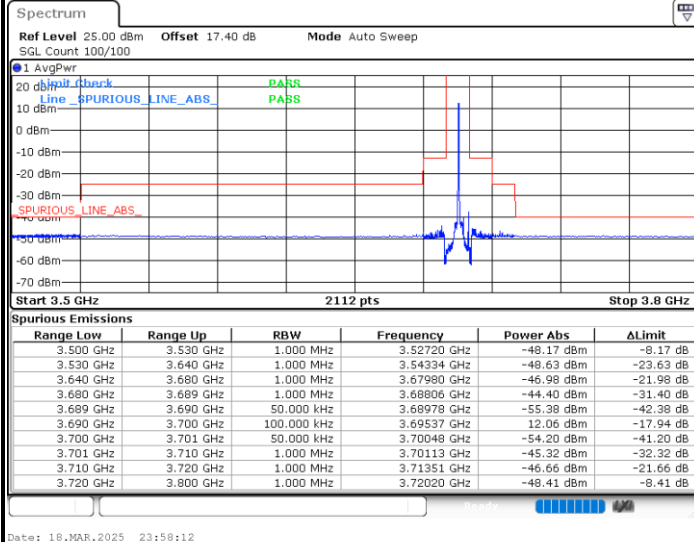
Date: 19.MAR.2025 00:07:10



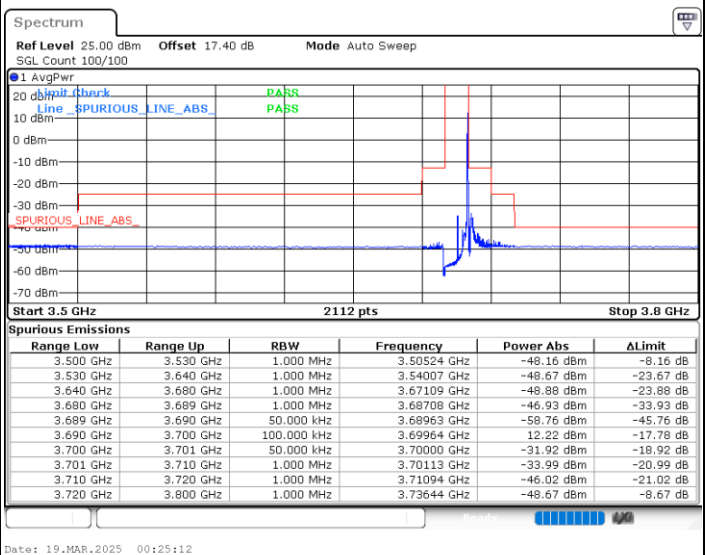
LTE Band 48 / 5MHz

256QAM

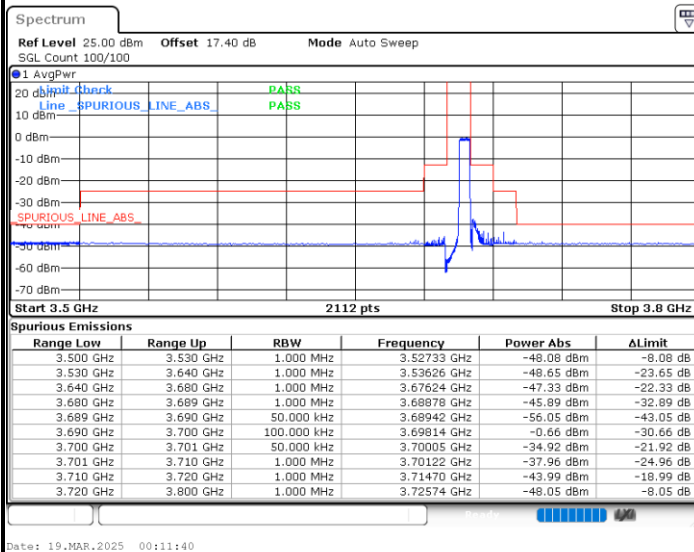
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullIRB



N/A

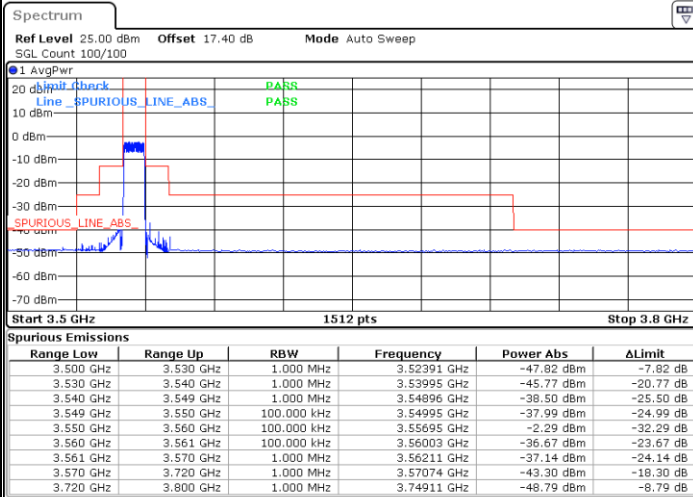


LTE Band 48 / 10MHz

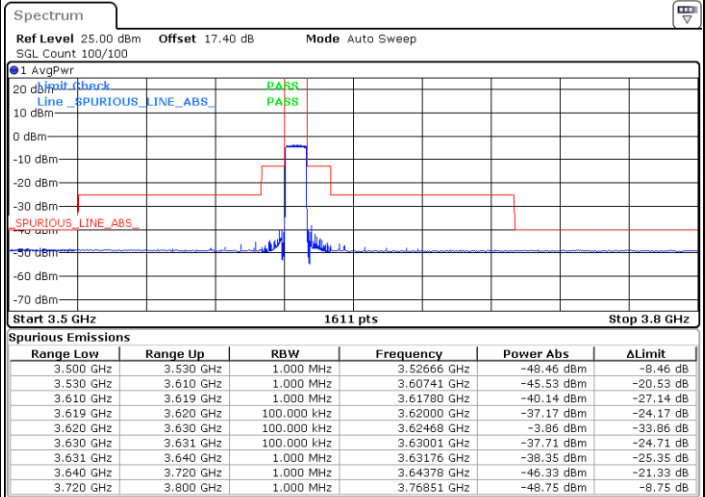
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



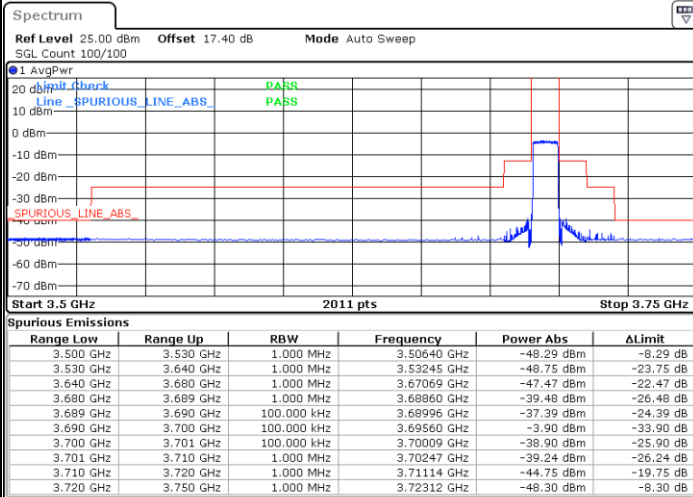
Date: 19.MAR.2025 01:41:58



Date: 19.MAR.2025 01:46:04

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 01:50:13

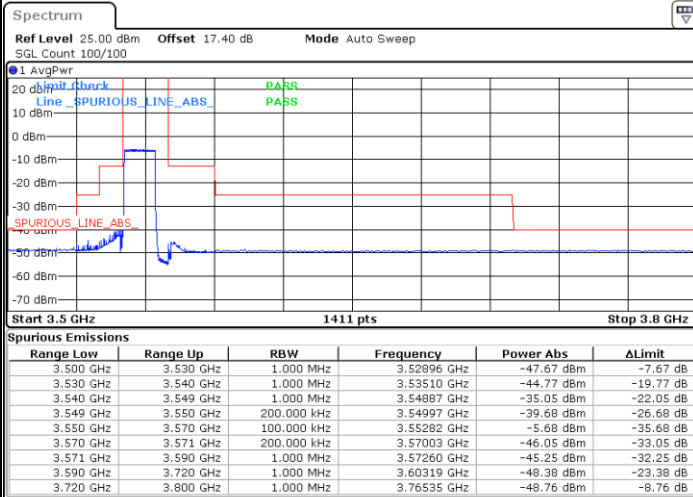


LTE Band 48 / 15MHz

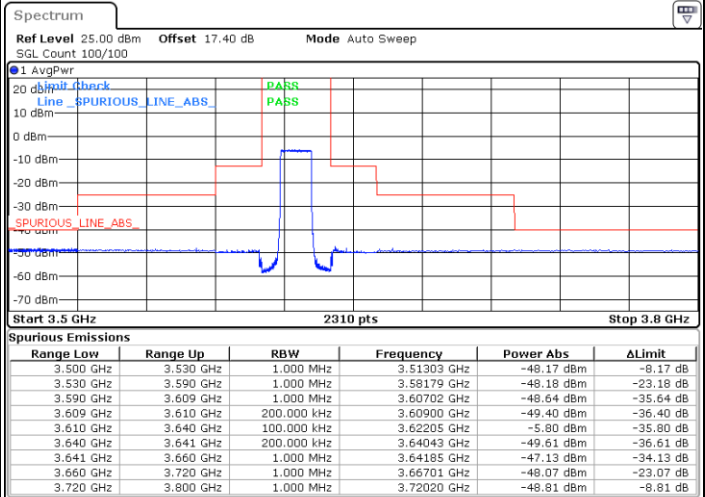
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



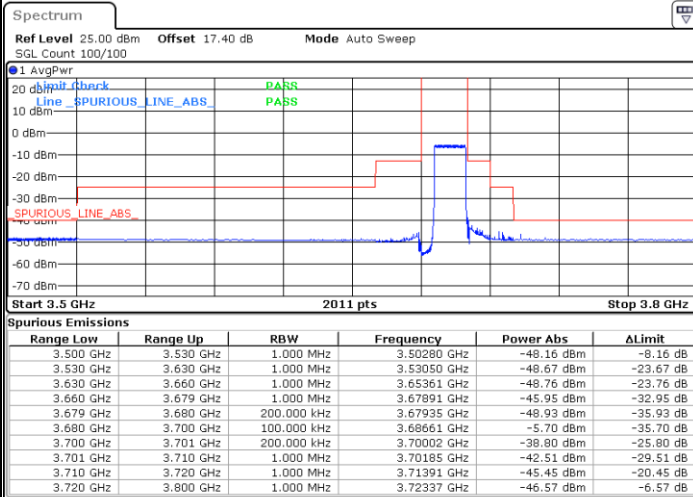
Date: 19.MAR.2025 01:54:23



Date: 19.MAR.2025 01:58:30

Highest Channel / FullIRB

N/A



Date: 19.MAR.2025 02:02:39

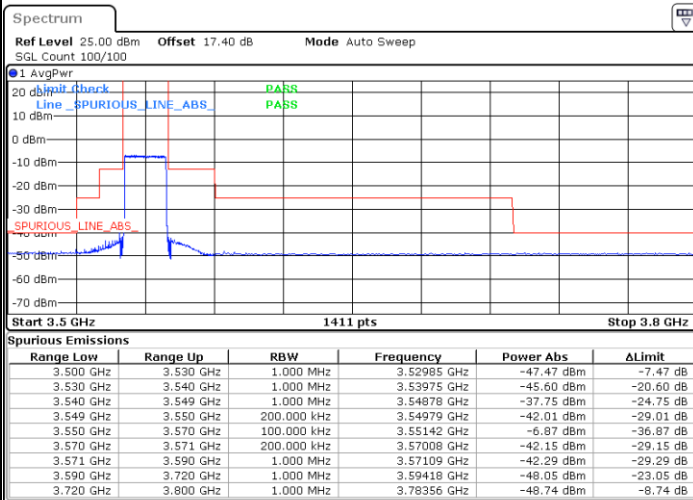


LTE Band 48 / 20MHz

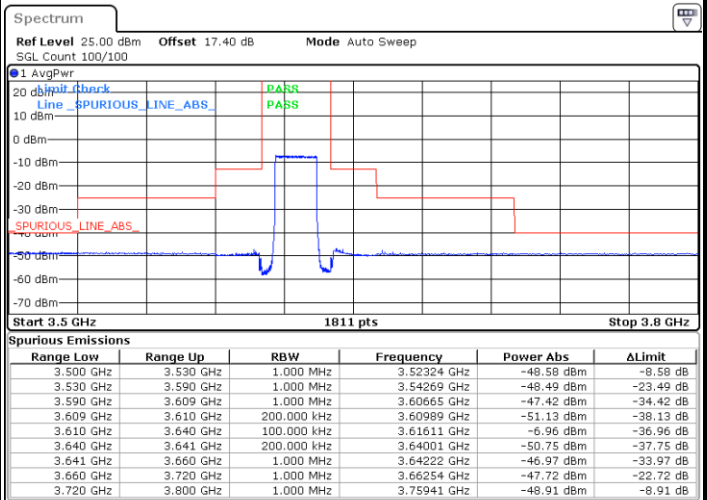
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



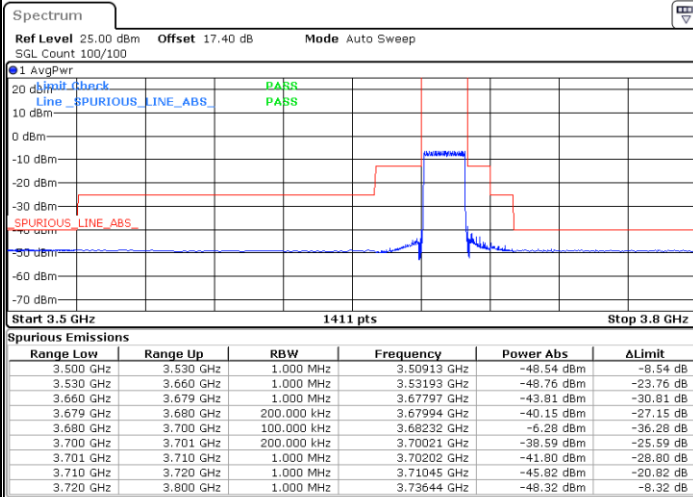
Date: 19.MAR.2025 02:06:50



Date: 19.MAR.2025 02:10:58

Highest Channel / FullIRB

N/A



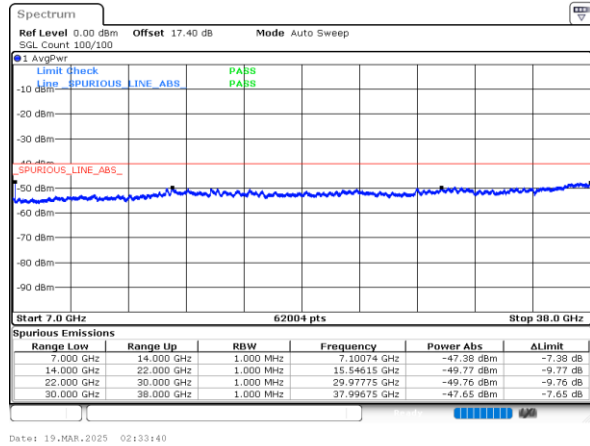
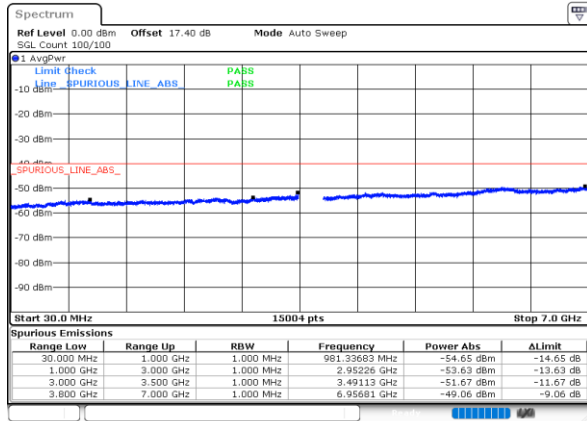
Date: 19.MAR.2025 02:15:06



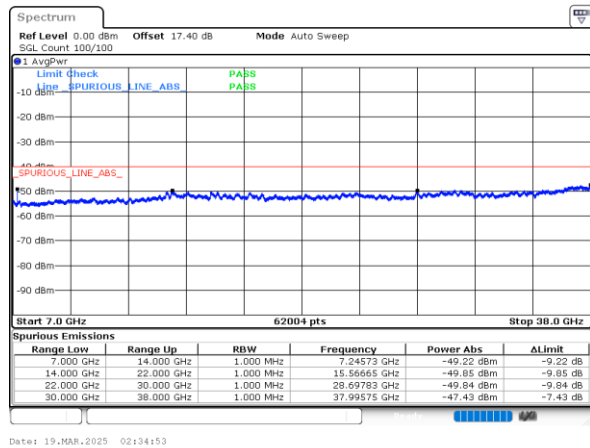
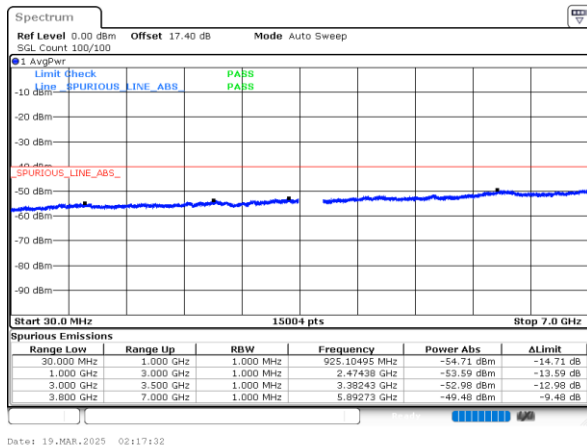
Conducted Spurious Emission

LTE Band 48 / 5MHz

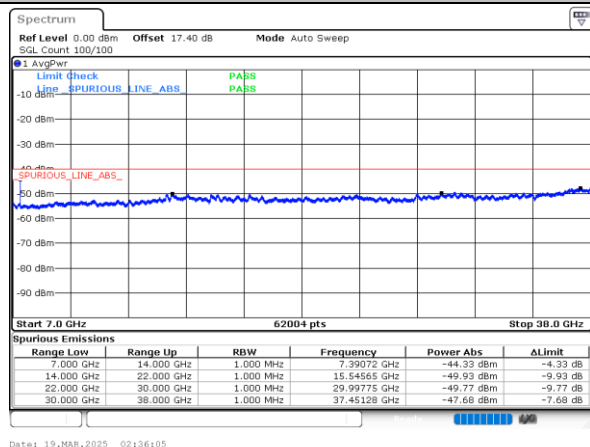
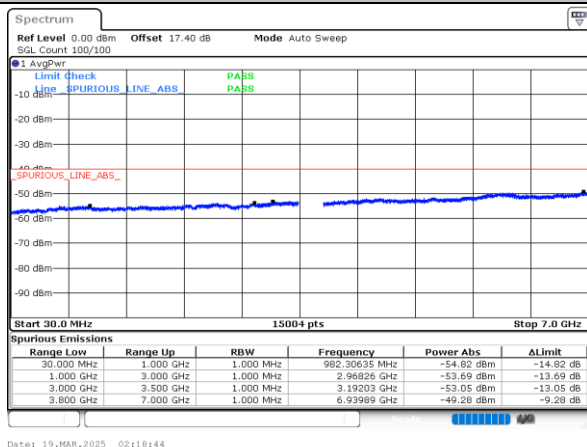
Lowest Channel / QPSK



Middle Channel / QPSK



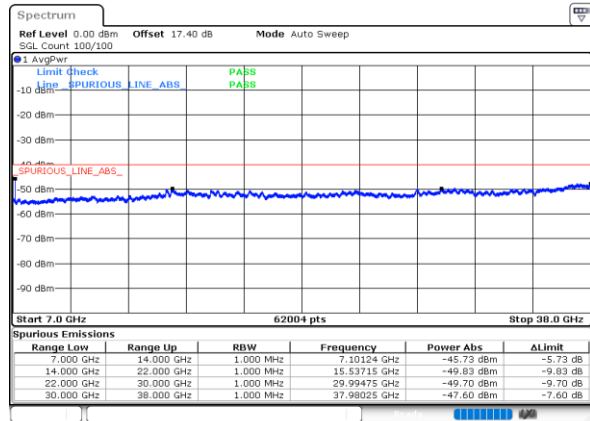
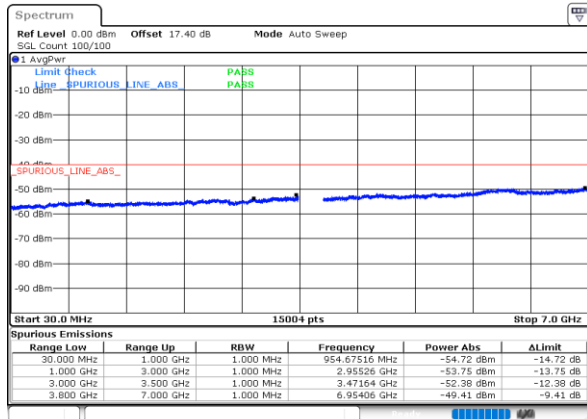
Highest Channel / QPSK



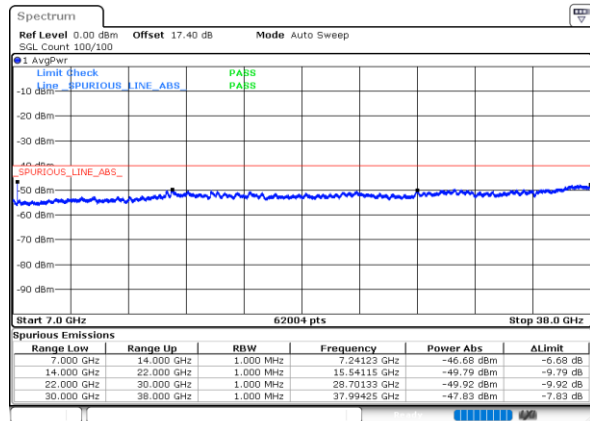
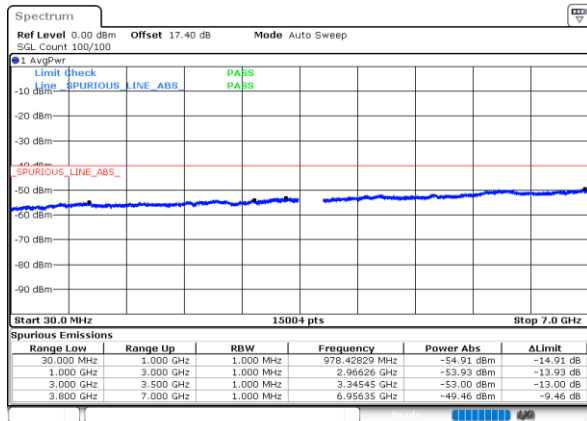


LTE Band 48 / 10MHz

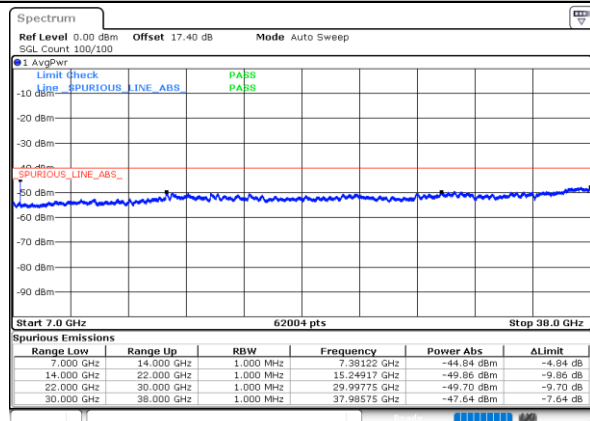
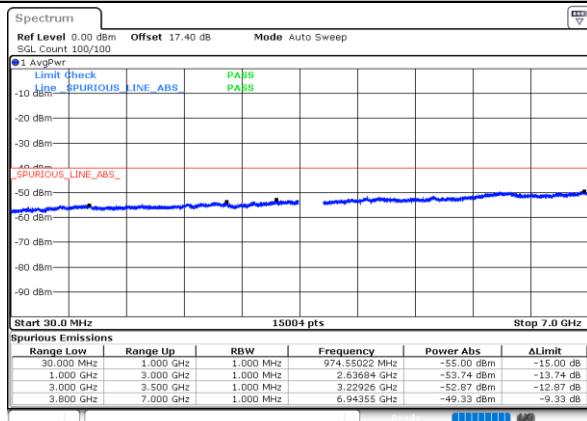
Lowest Channel / QPSK



Middle Channel / QPSK



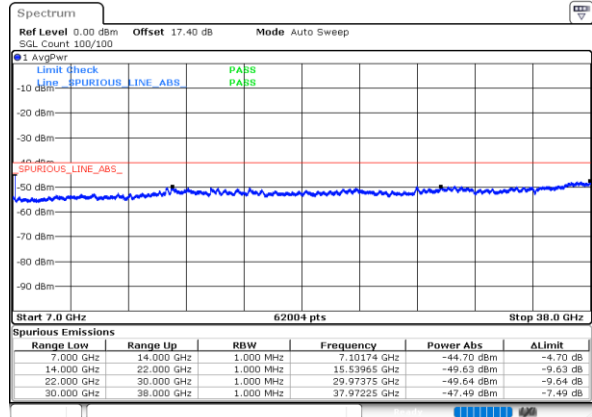
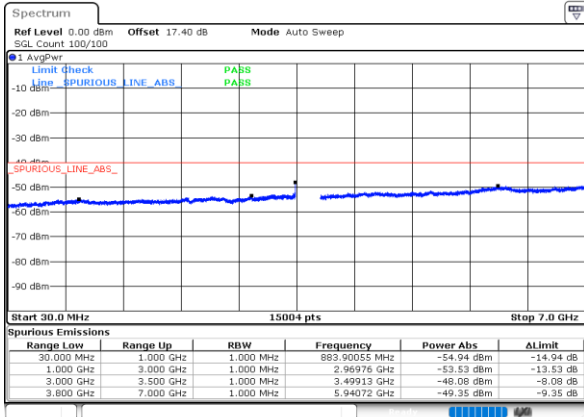
Highest Channel / QPSK



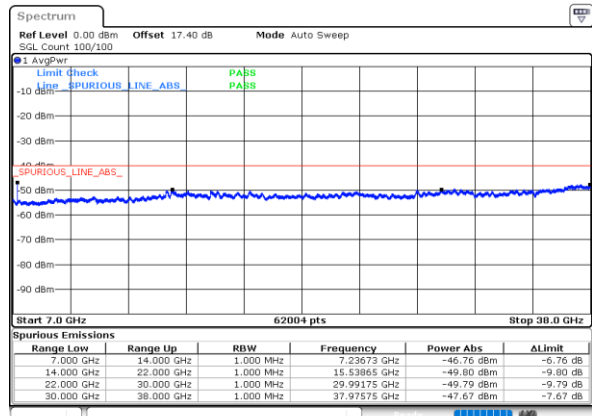
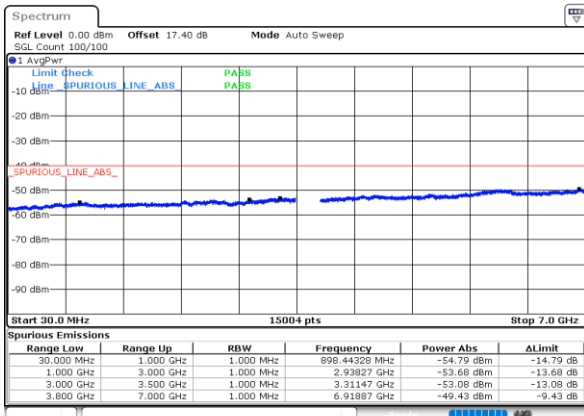


LTE Band 48 / 15MHz

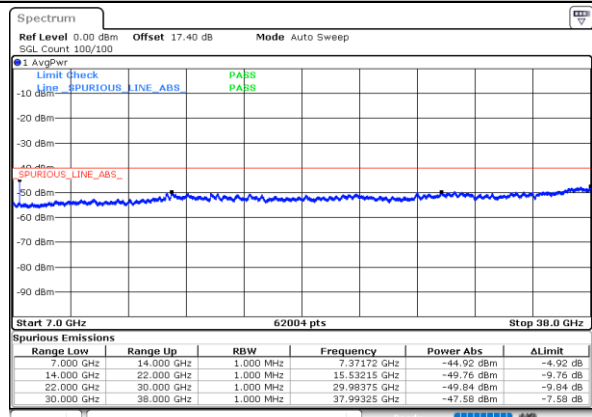
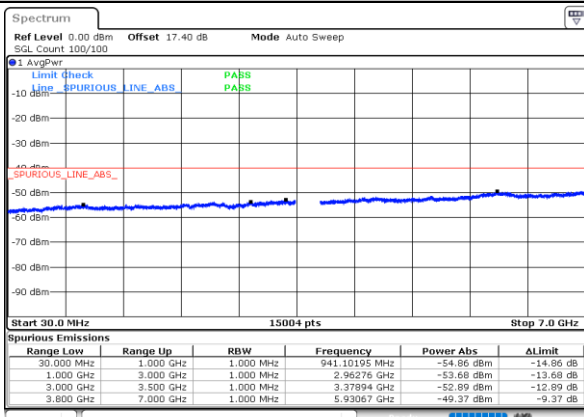
Lowest Channel / QPSK



Middle Channel / QPSK



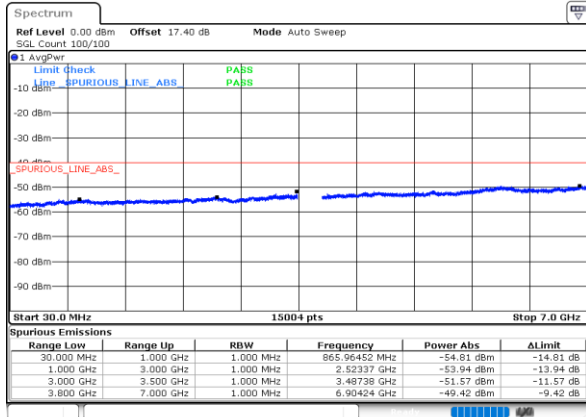
Highest Channel / QPSK



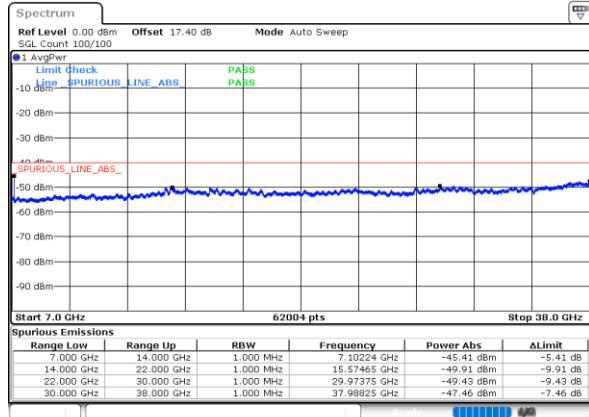


LTE Band 48 / 20MHz

Lowest Channel / QPSK

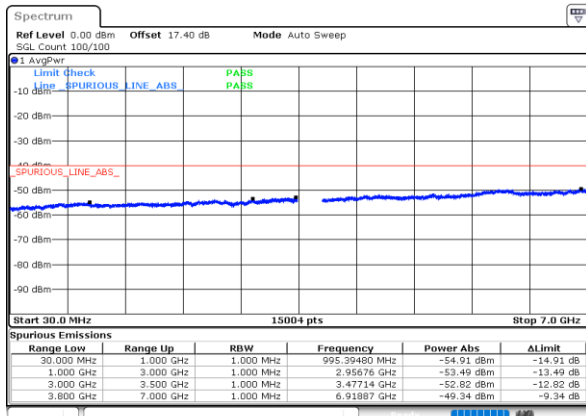


Date: 19.MAR.2025 02:27:11

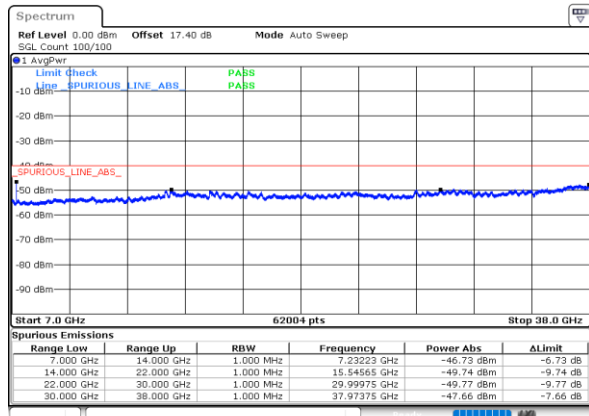


Date: 19.MAR.2025 02:44:37

Middle Channel / QPSK

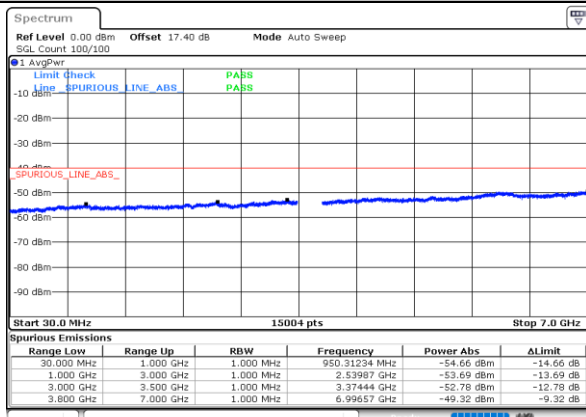


Date: 19.MAR.2025 02:28:23

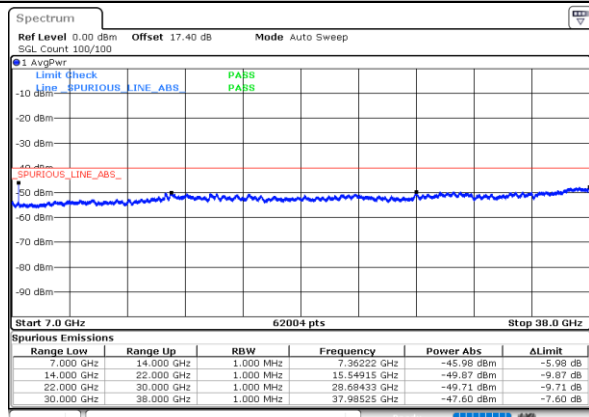


Date: 19.MAR.2025 02:45:50

Highest Channel / QPSK



Date: 19.MAR.2025 02:29:35



Date: 19.MAR.2025 02:47:03

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	0.0006	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0013	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.3 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B.1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	LTE B48	H	7381	-42.54	RMS	36.41	-23.07	1.44	-95.23	37.91	-40.00	-2.54	V	5

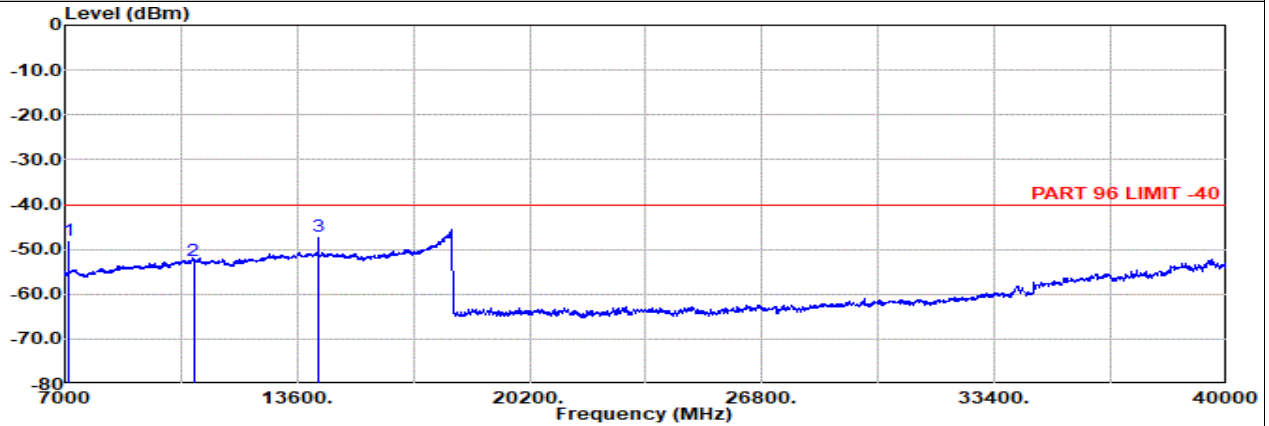


Tx0_Ant 5

Part 96 Mode 1

LTE B48 10M Ch55290 1RB0 QPSK

L

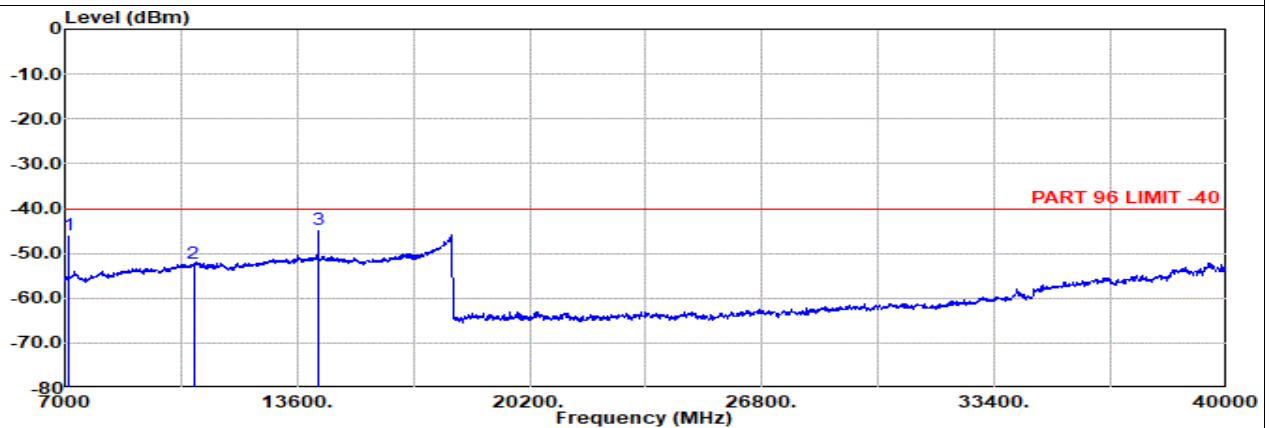


Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Horizontal

: LTE Band 48 20M Ch55290 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7101.00	-47.90	RMS	36.31	-23.18	1.49	-95.23	32.71	-40.00	-7.90	Horizontal
2	10652.00	-52.60	RMS	39.10	-22.91	0.80	-95.23	25.64	-40.00	-12.60	Horizontal
3	14202.00	-47.08	RMS	39.20	-22.18	0.70	-95.23	30.43	-40.00	-7.08	Horizontal



Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Vertical

: LTE Band 48 20M Ch55290 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7101.00	-45.86	RMS	36.31	-23.18	1.49	-95.23	34.75	-40.00	-5.86	Vertical
2	10652.00	-52.13	RMS	39.10	-22.91	0.80	-95.23	26.11	-40.00	-12.13	Vertical
3	14202.00	-44.66	RMS	39.20	-22.18	0.70	-95.23	32.85	-40.00	-4.66	Vertical

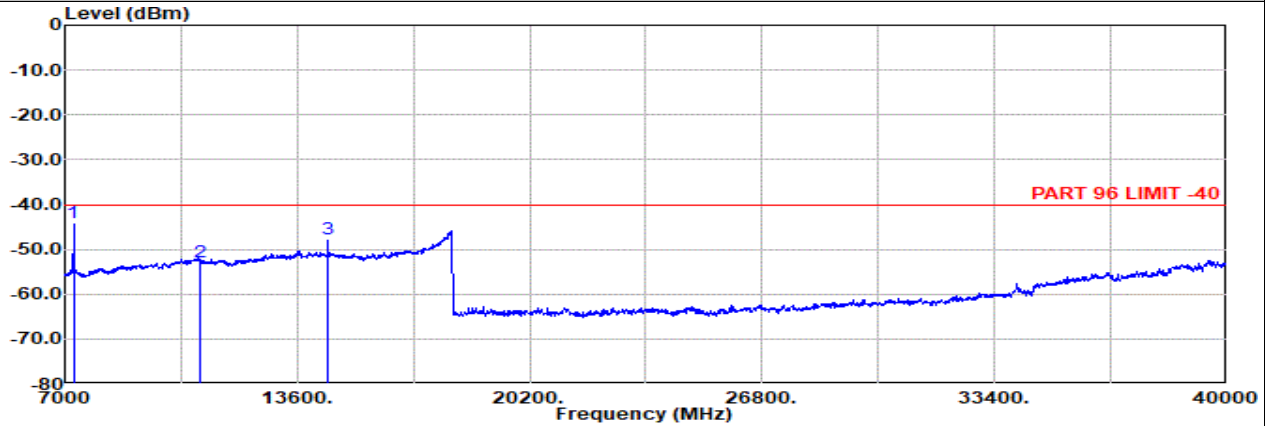


Tx0_Ant 5

Part 96 Mode 1

LTE B48 10M Ch55990 1RB0 QPSK

M

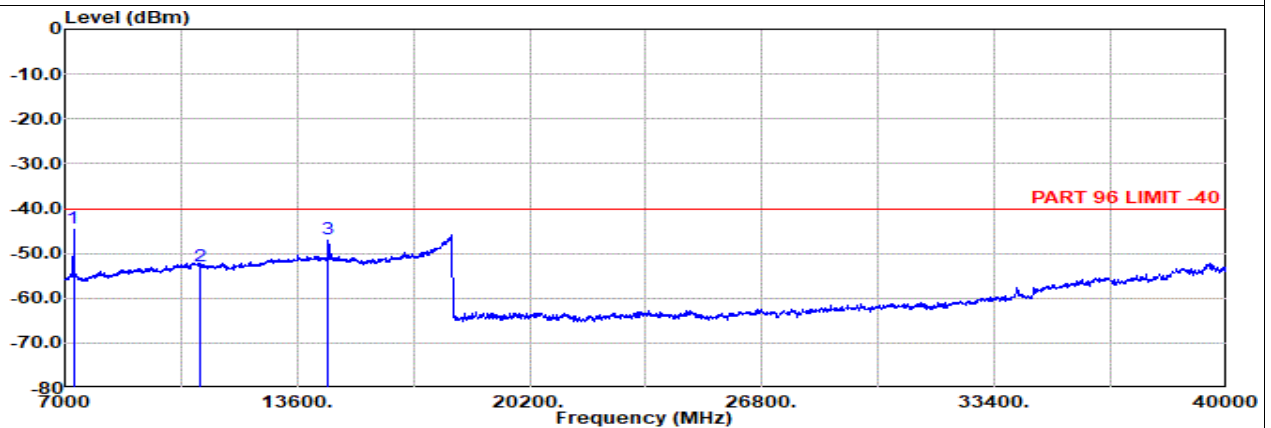


Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		dBuV	dBm		
1	7241.00	-43.95	RMS	36.90	-23.13	1.45	-95.23	36.06	-40.00	-3.95 Horizontal
2	10862.00	-52.70	RMS	39.08	-22.94	0.78	-95.23	25.61	-40.00	-12.70 Horizontal
3	14482.00	-47.67	RMS	39.36	-22.41	0.65	-95.23	29.96	-40.00	-7.67 Horizontal



Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	1		dBuV	dBm		
1	7241.00	-44.26	RMS	36.90	-23.13	1.45	-95.23	35.75	-40.00	-4.26 Vertical
2	10862.00	-52.73	RMS	39.08	-22.94	0.78	-95.23	25.58	-40.00	-12.73 Vertical
3	14482.00	-46.79	RMS	39.36	-22.41	0.65	-95.23	30.84	-40.00	-6.79 Vertical

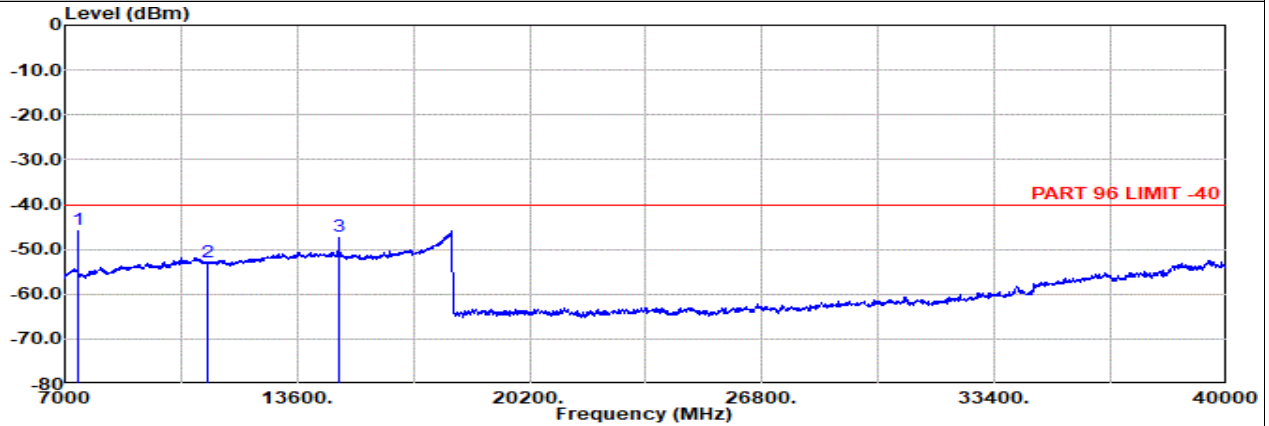


Tx0_Ant 5

Part 96 Mode 1

LTE B48 10M Ch56690 1RB0 QPSK

H

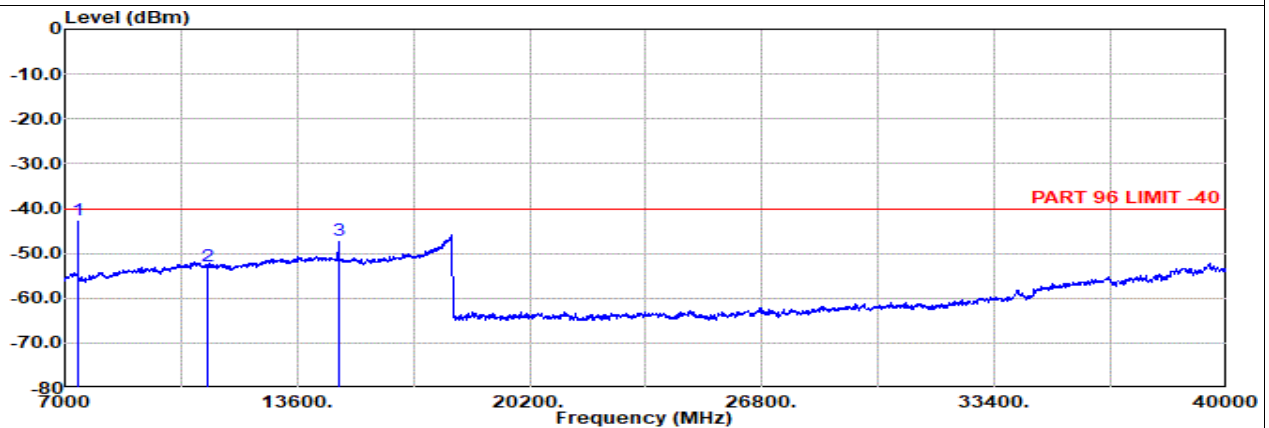


Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Horizontal

: LTE Band 48 20M Ch56690 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1		dB	dB				
	MHz	dBm			dB/m		dB	dB	dBuV	dBm	dB	
1	7381.00	-45.62	RMS		36.41	-23.07	1.44	-95.23	34.83	-40.00	-5.62	Horizontal
2	11072.00	-52.84	RMS		38.84	-22.98	0.76	-95.23	25.77	-40.00	-12.84	Horizontal
3	14762.00	-47.16	RMS		39.78	-22.54	0.60	-95.23	30.23	-40.00	-7.16	Horizontal



Site : 03CH20-HY

Condition: PART 96 LIMIT -40 1m BBHA9170_1223_240624 Vertical

: LTE Band 48 20M Ch56690 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1		dB	dB				
	MHz	dBm			dB/m		dB	dB	dBuV	dBm	dB	
1	7381.00	-42.54	RMS		36.41	-23.07	1.44	-95.23	37.91	-40.00	-2.54	Vertical
2	11072.00	-52.84	RMS		38.84	-22.98	0.76	-95.23	25.77	-40.00	-12.84	Vertical
3	14762.00	-47.18	RMS		39.78	-22.54	0.60	-95.23	30.21	-40.00	-7.18	Vertical

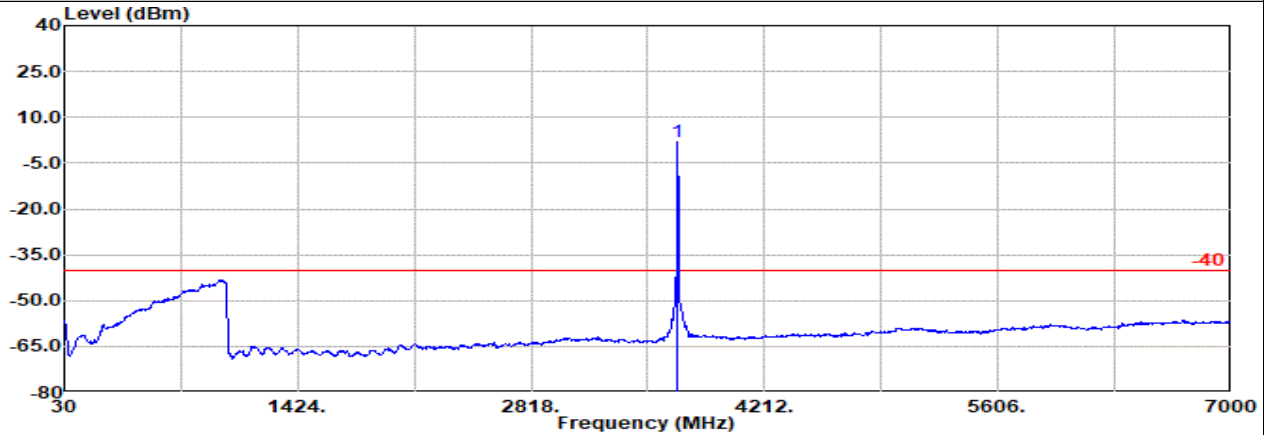


Tx0_Ant 5

Part 96 Mode 1

LTE B48 10M Ch56690 1RB0 QPSK

H



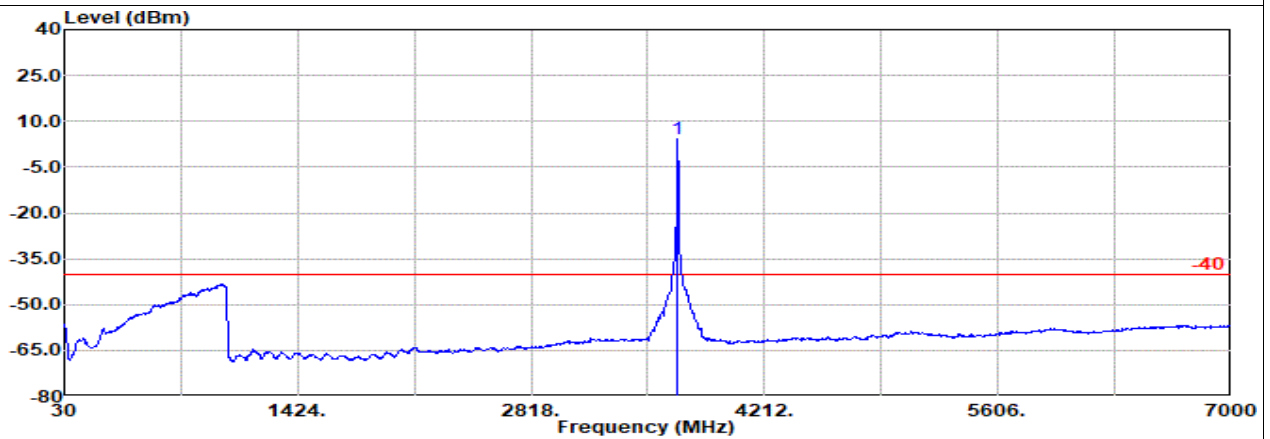
Site : 03CH20-HY

Condition: -40 3m HF_9120D_02360_241101 Horizontal

: LTE Band 48 10M Ch56690 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3694.00	2.12	RMS	29.69	-25.62	0.00	-95.23	93.28	-40.00	42.12 Horizontal



Site : 03CH20-HY

Condition: -40 3m HF_9120D_02360_241101 Vertical

: LTE Band 48 10M Ch56690 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3694.00	4.38	RMS	29.69	-25.62	0.00	-95.23	95.54	-40.00	44.38 Vertical

Remark: The over limit signal #1 is fundamental signal which can be ignored.