

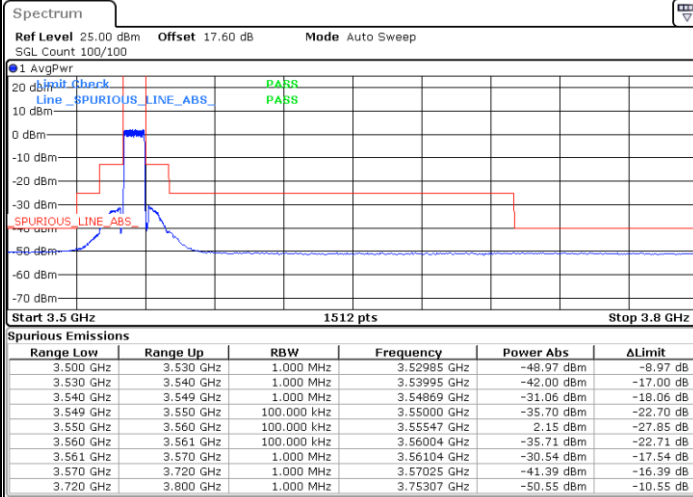


LTE Band 48 / 10MHz

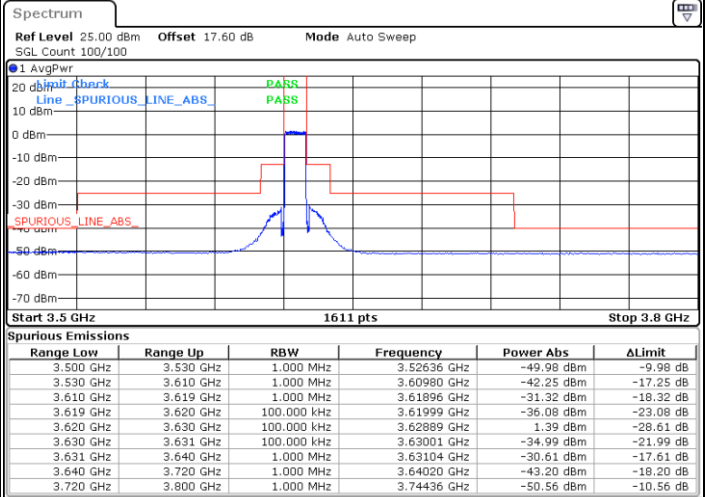
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



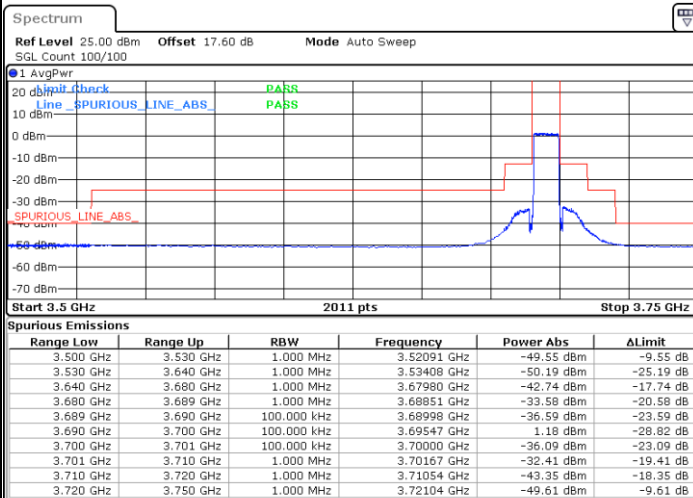
Date: 14.APR.2025 16:47:51



Date: 14.APR.2025 16:50:27

Highest Channel / FullIRB

N/A



Date: 14.APR.2025 16:53:03

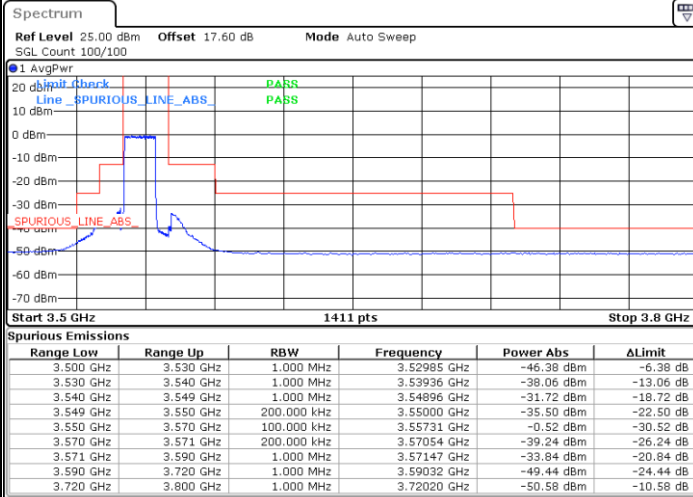


LTE Band 48 / 15MHz

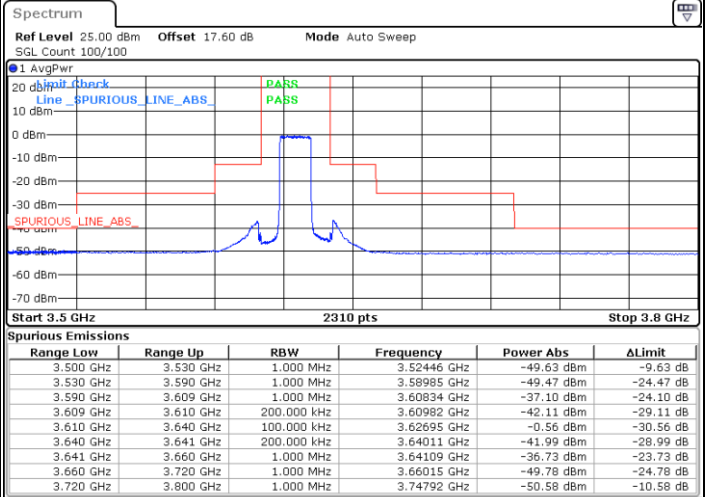
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



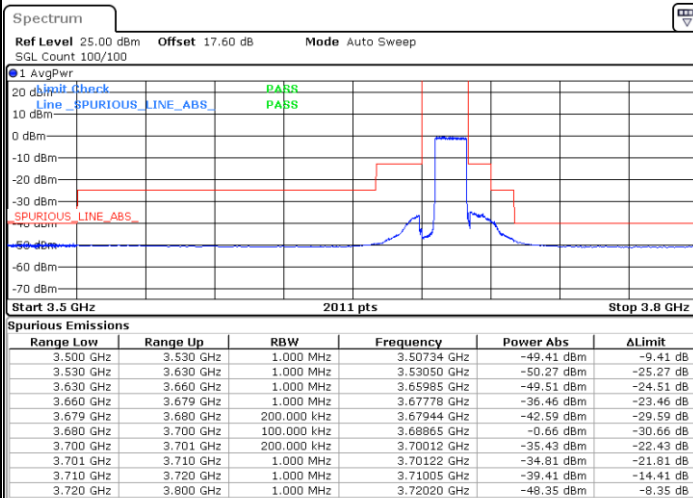
Date: 14.APR.2025 16:55:40



Date: 14.APR.2025 16:58:15

Highest Channel / FullIRB

N/A



Date: 14.APR.2025 17:00:51

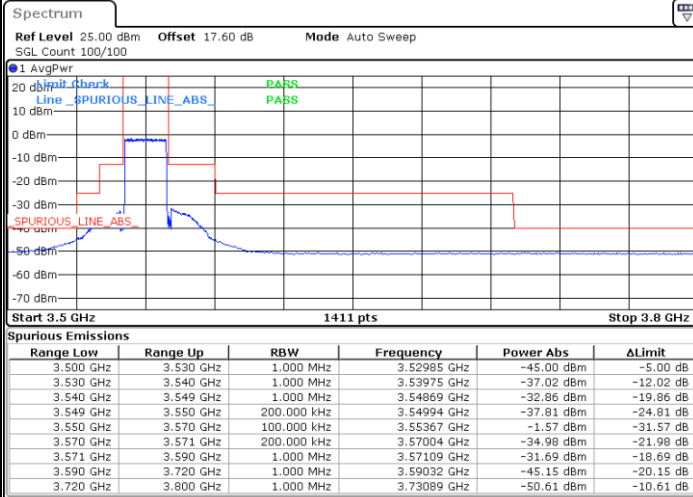


LTE Band 48 / 20MHz

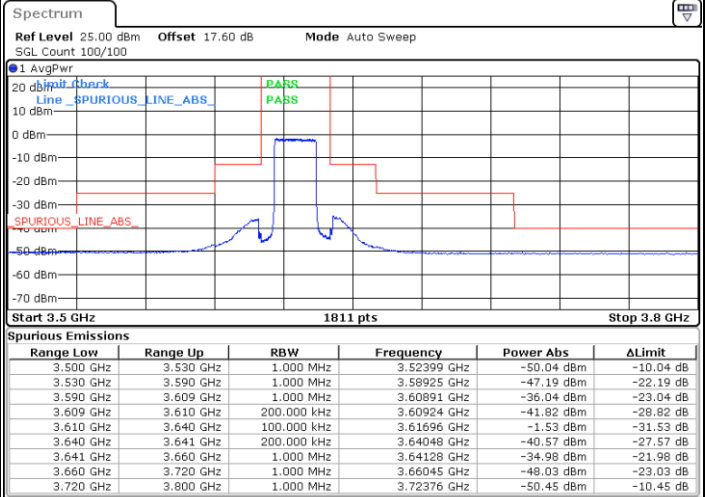
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



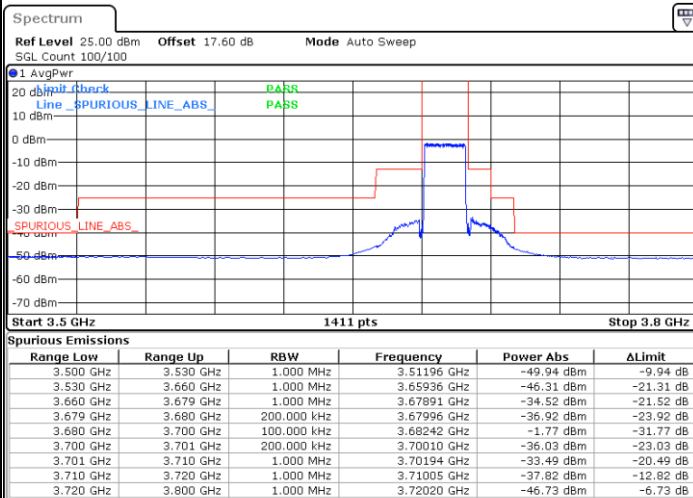
Date: 14.APR.2025 17:03:29



Date: 14.APR.2025 17:06:06

Highest Channel / FullIRB

N/A



Date: 14.APR.2025 17:08:41

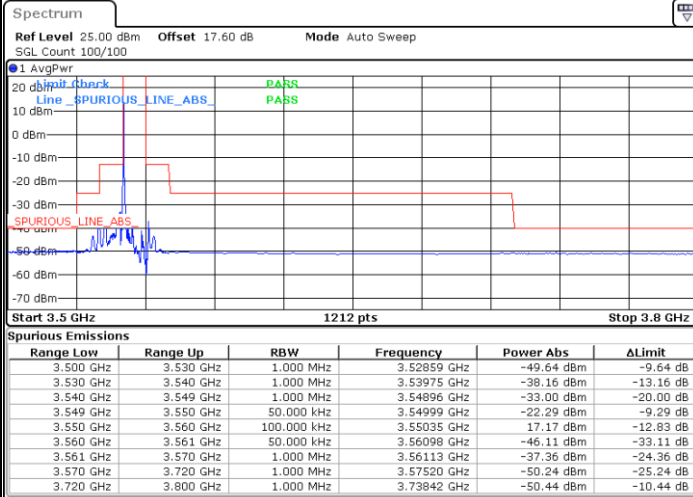


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



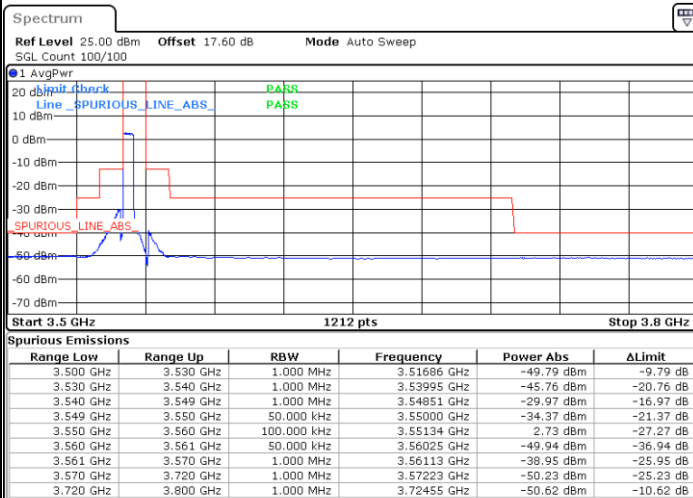
Date: 14.APR.2025 16:25:18



Date: 14.APR.2025 16:40:55

Lowest Channel / FullIRB

N/A



Date: 14.APR.2025 16:33:06

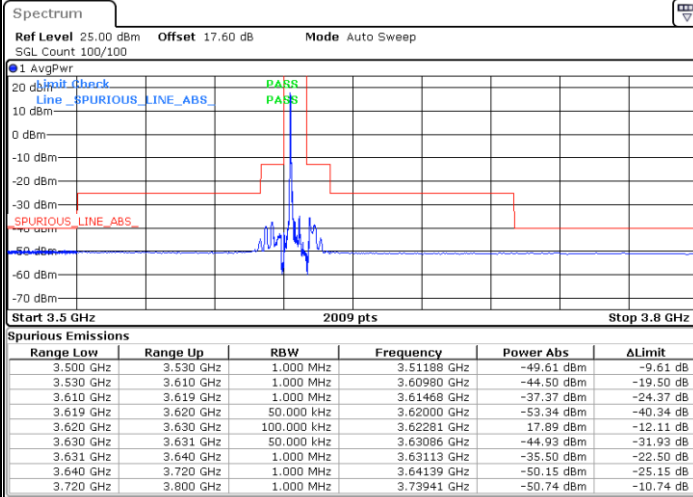


LTE Band 48 / 5MHz

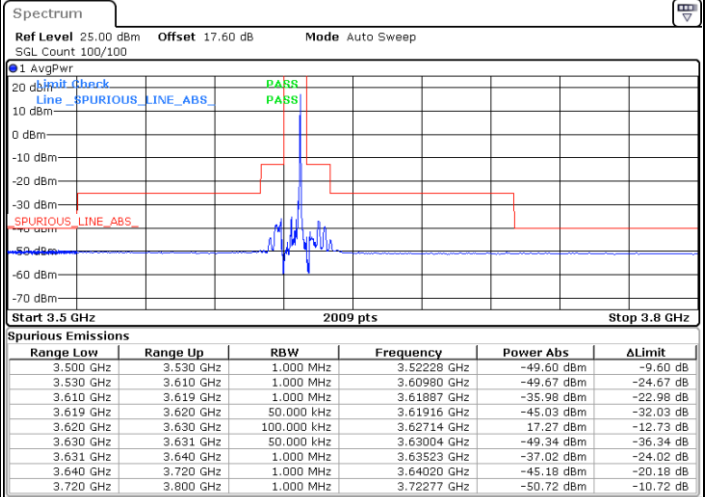
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



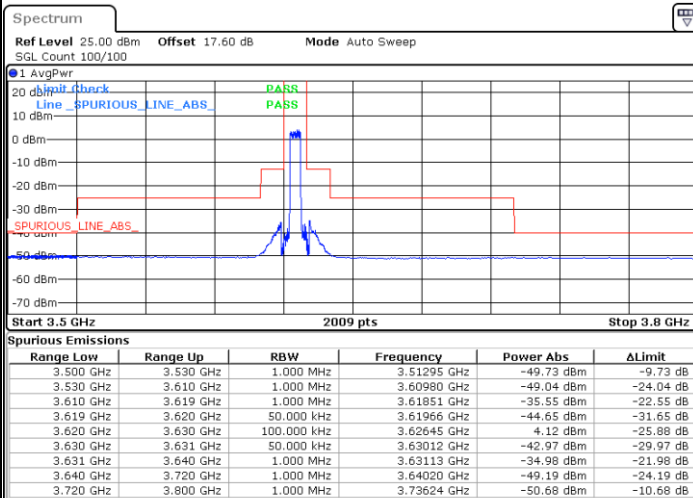
Date: 14.APR.2025 16:27:53



Date: 14.APR.2025 16:43:30

Middle Channel / FullRB

N/A



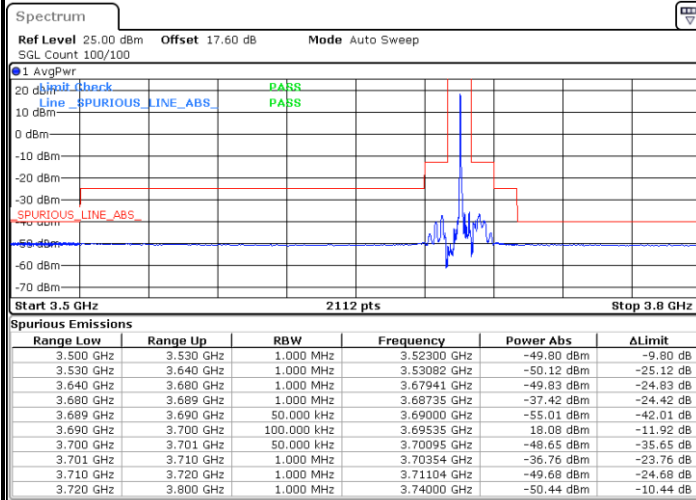
Date: 14.APR.2025 16:35:42



LTE Band 48 / 5MHz

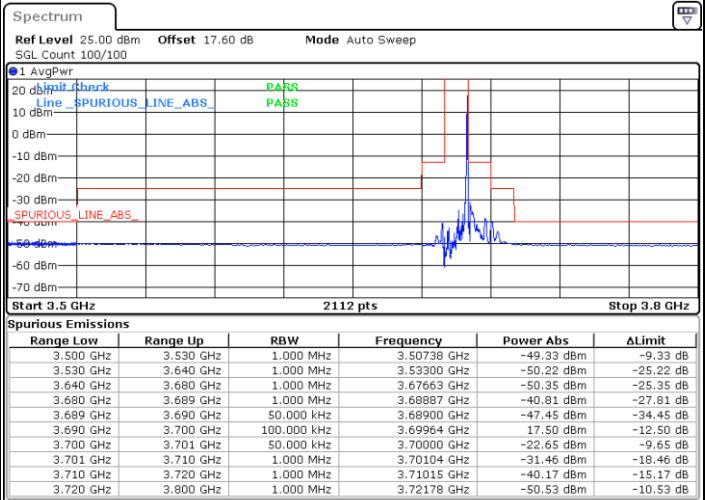
64QAM

Highest Channel / 1RB0



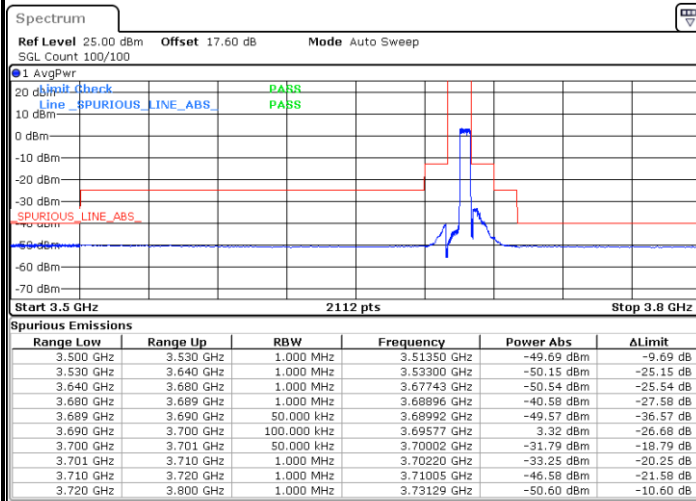
Date: 14.APR.2025 16:30:29

Highest Channel / 1RBmax



Date: 14.APR.2025 16:46:06

Highest Channel / FullIRB



Date: 14.APR.2025 16:38:18

N/A

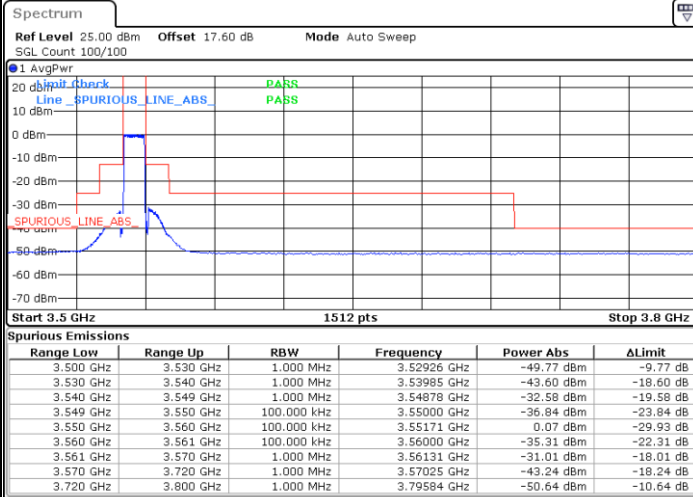


LTE Band 48 / 10MHz

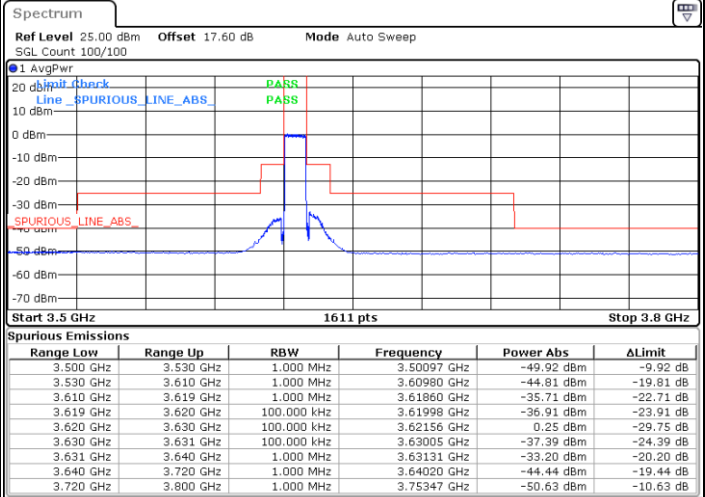
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



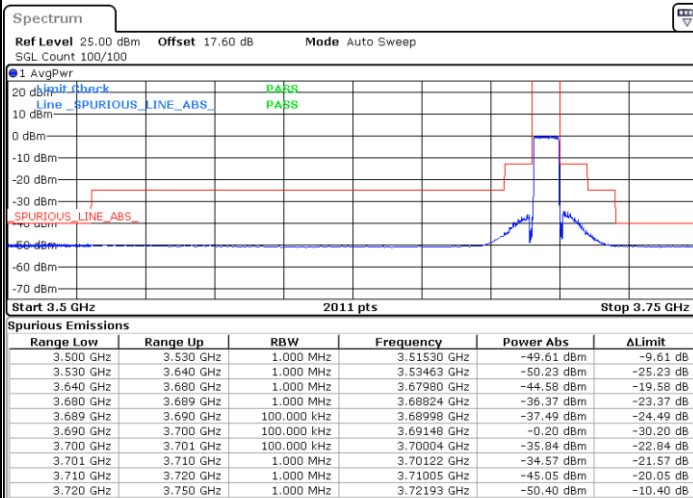
Date: 14.APR.2025 16:48:43



Date: 14.APR.2025 16:51:19

Highest Channel / FullIRB

N/A



Date: 14.APR.2025 16:53:55

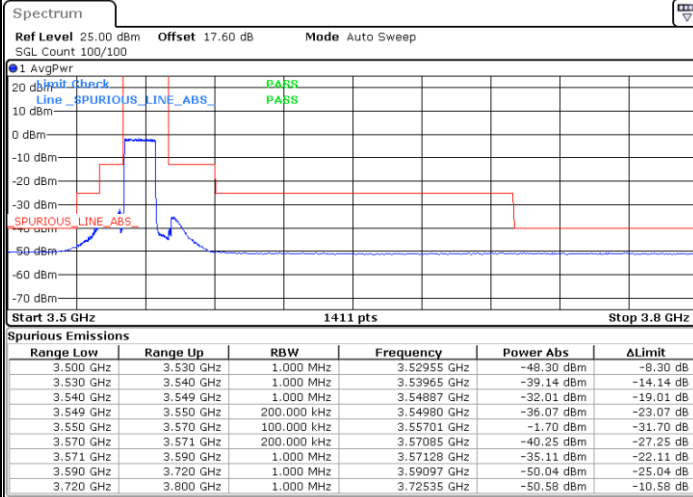


LTE Band 48 / 15MHz

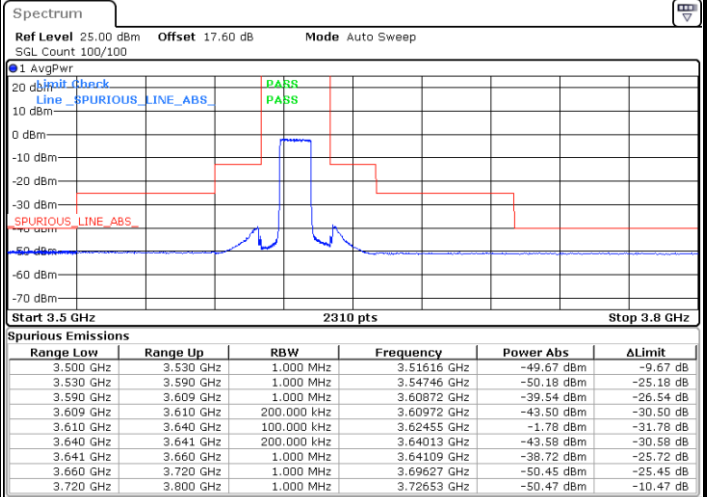
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



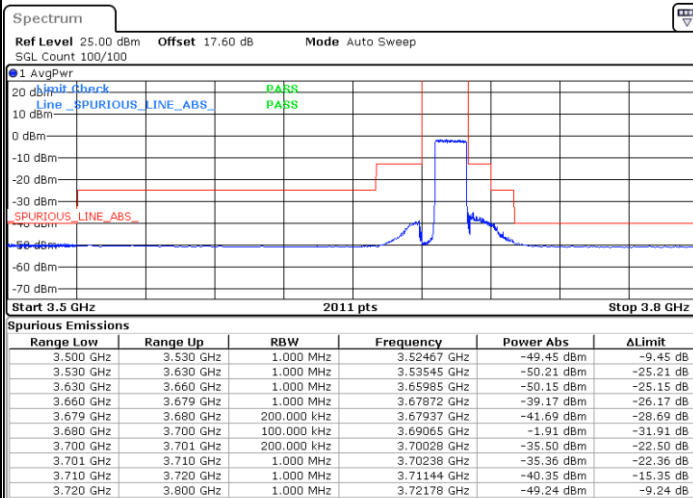
Date: 14.APR.2025 16:56:32



Date: 14.APR.2025 16:59:07

Highest Channel / FullIRB

N/A



Date: 14.APR.2025 17:01:43

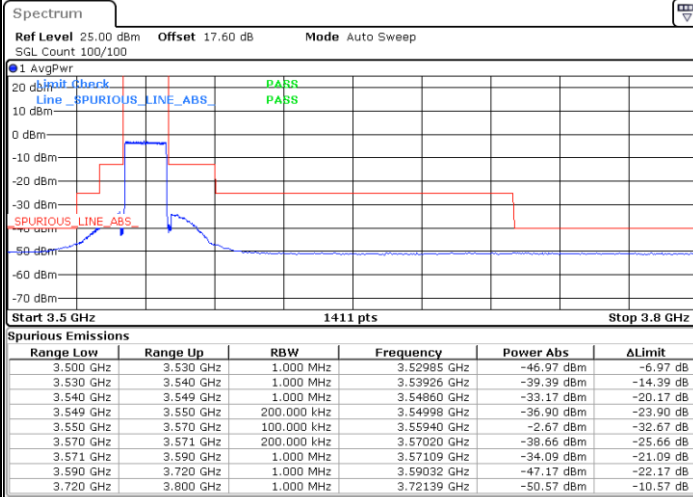


LTE Band 48 / 20MHz

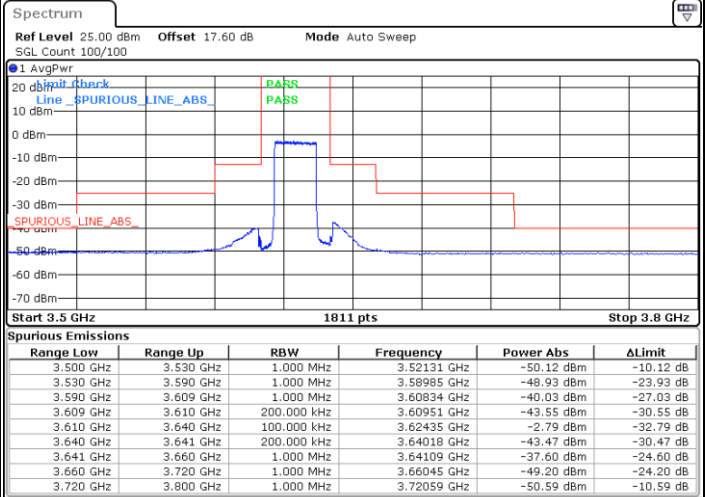
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



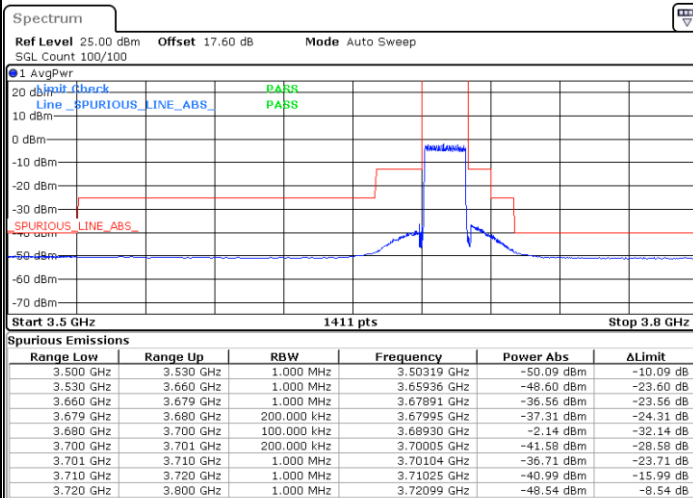
Date: 14.APR.2025 17:04:22



Date: 14.APR.2025 17:06:57

Highest Channel / FullIRB

N/A



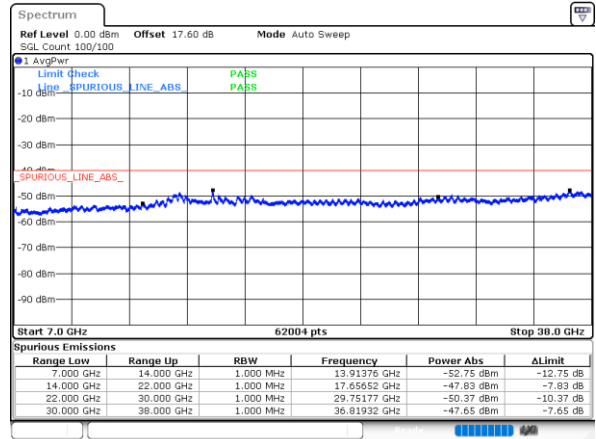
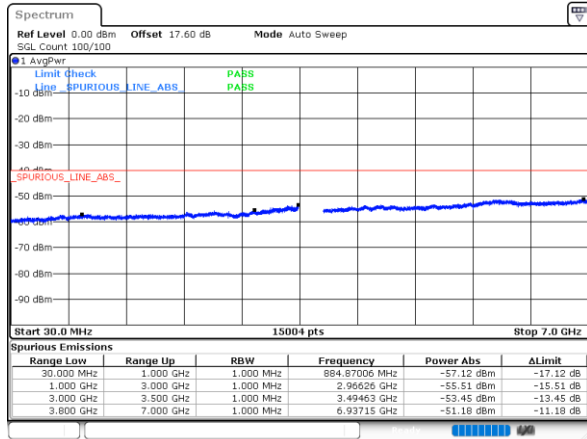
Date: 14.APR.2025 17:09:33



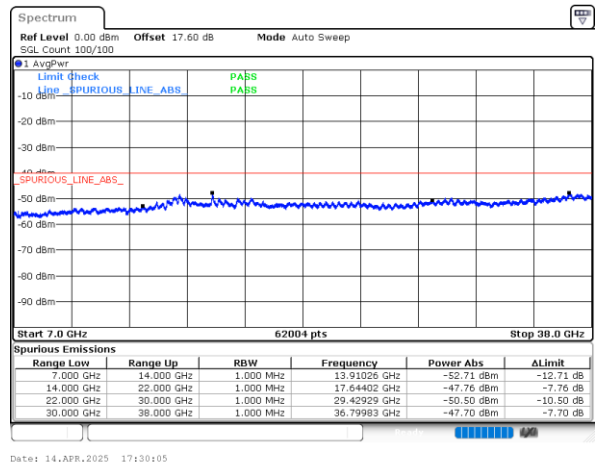
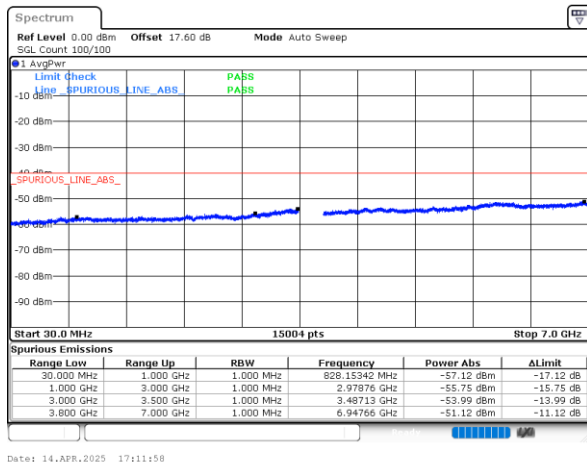
Conducted Spurious Emission

LTE Band 48 / 5MHz

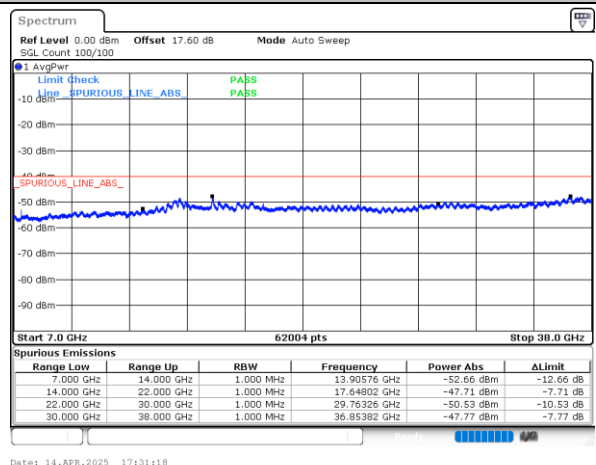
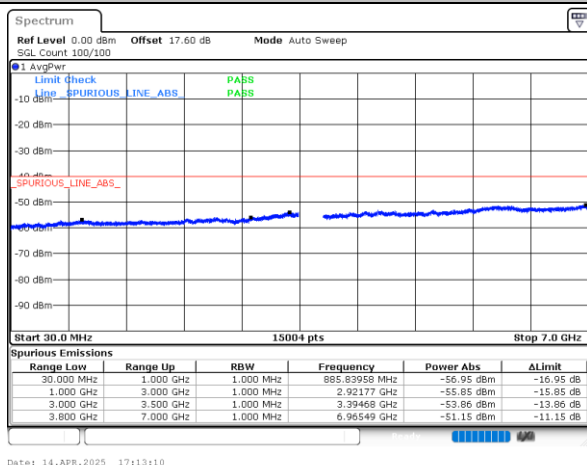
Lowest Channel / QPSK



Middle Channel / QPSK



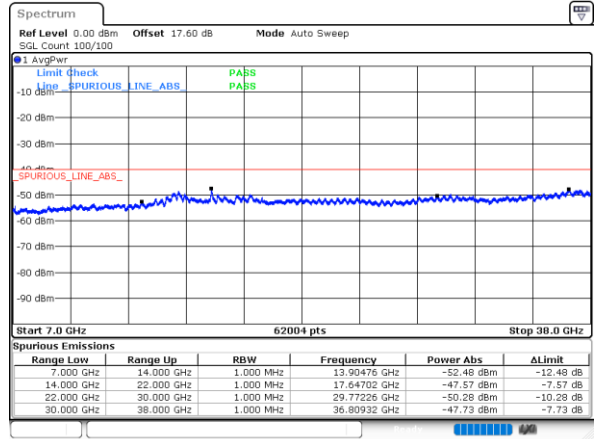
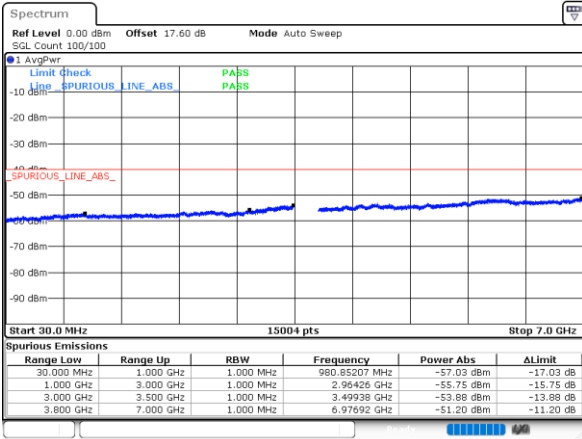
Highest Channel / QPSK



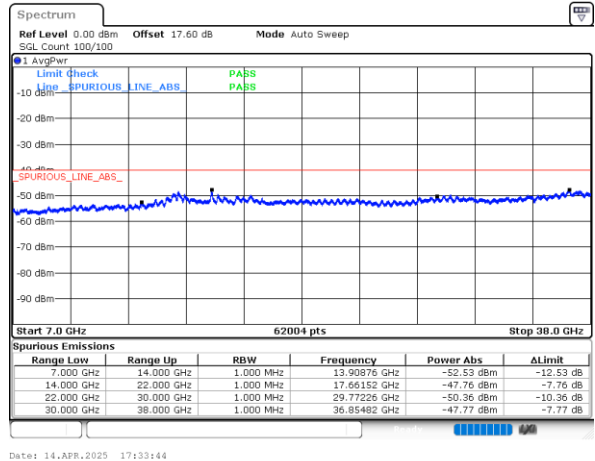
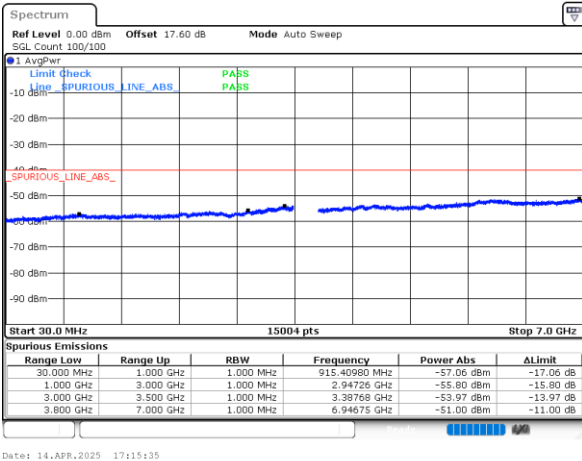


LTE Band 48 / 10MHz

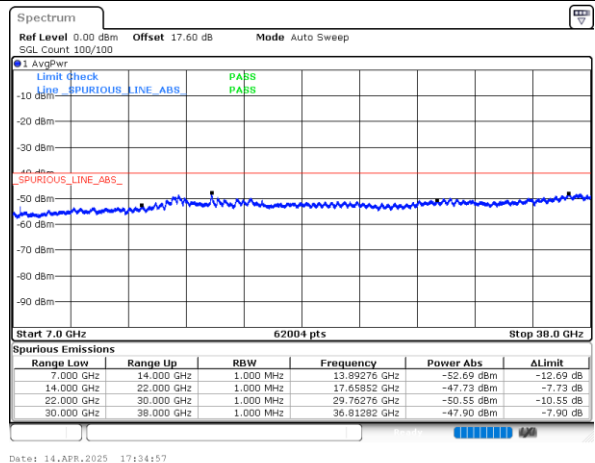
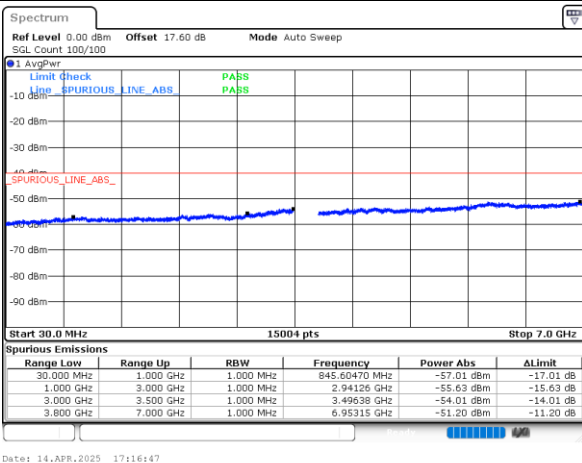
Lowest Channel / QPSK



Middle Channel / QPSK



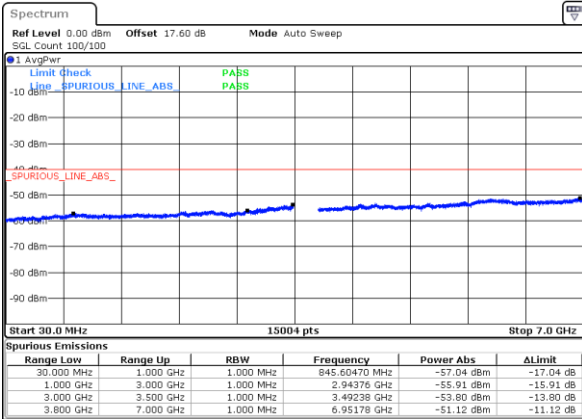
Highest Channel / QPSK



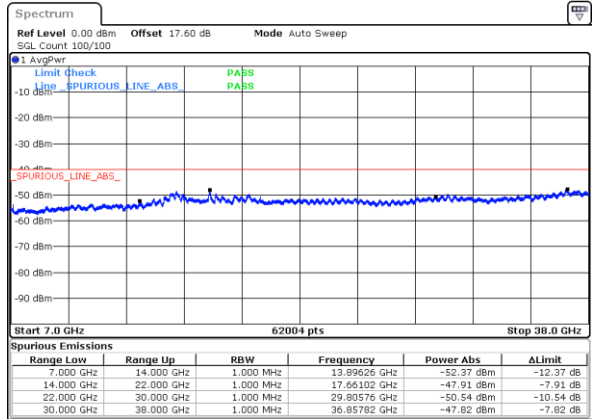


LTE Band 48 / 15MHz

Lowest Channel / QPSK

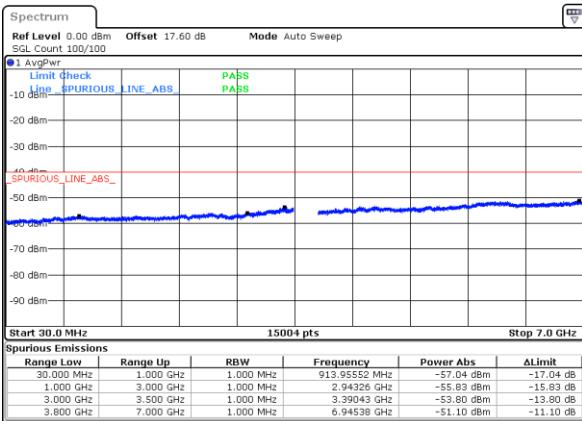


Date: 14.APR.2025 17:18:00

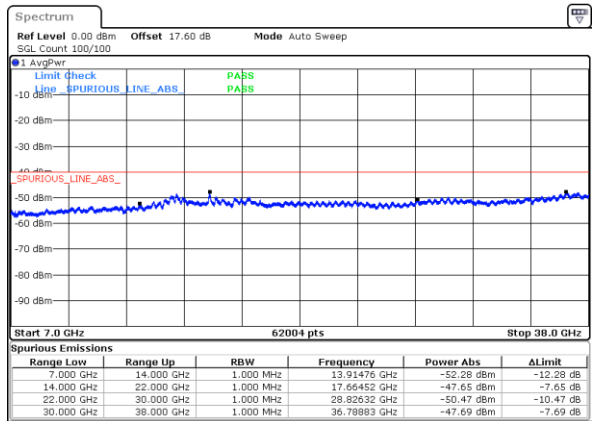


Date: 14.APR.2025 17:13:11

Middle Channel / QPSK

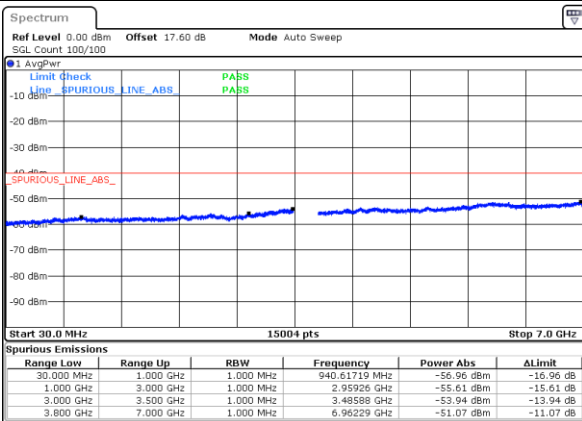


Date: 14.APR.2025 17:19:12

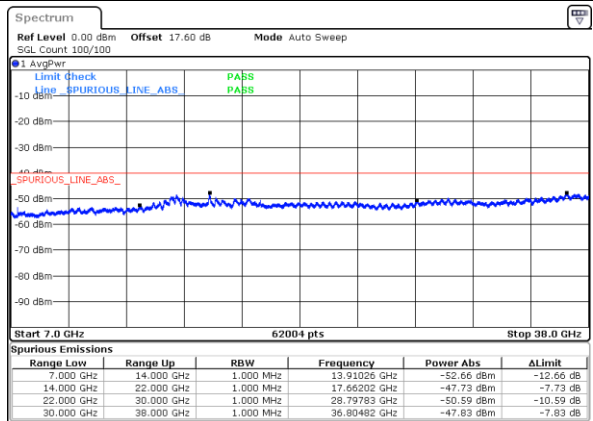


Date: 14.APR.2025 17:13:24

Highest Channel / QPSK



Date: 14.APR.2025 17:20:24

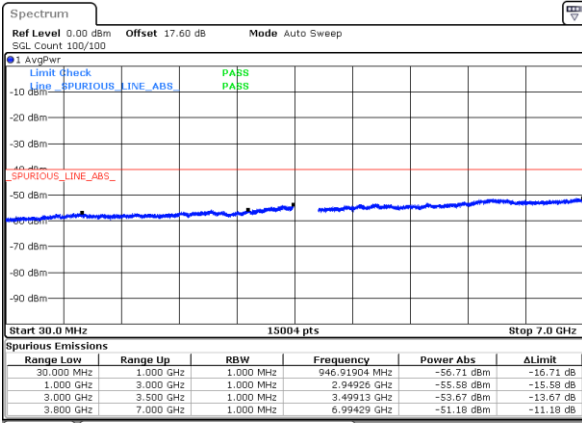


Date: 14.APR.2025 17:13:36

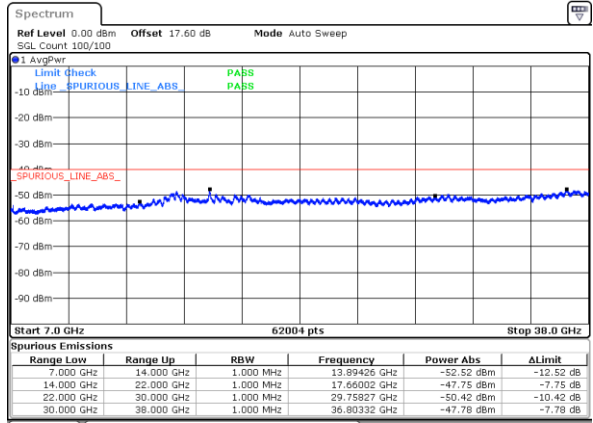


LTE Band 48 / 20MHz

Lowest Channel / QPSK

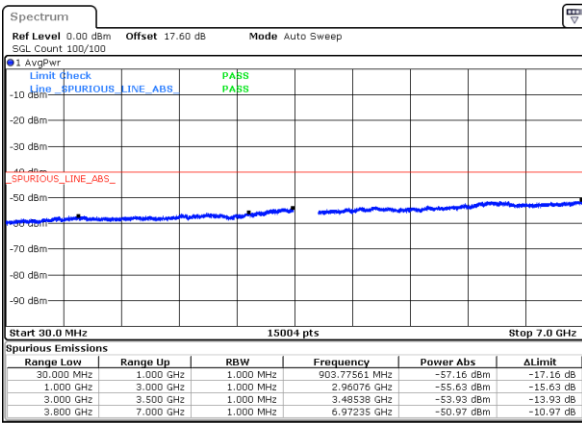


Date: 14.APR.2025 17:21:37

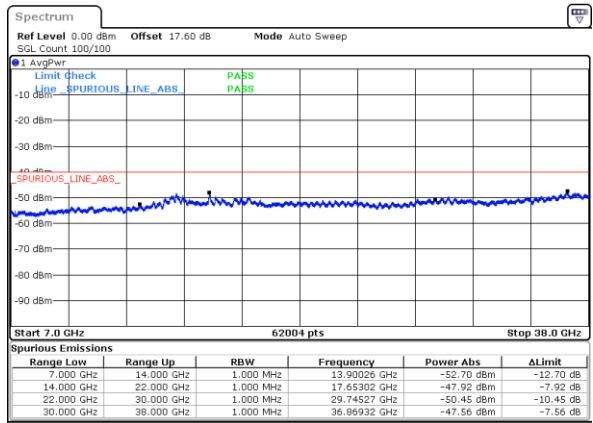


Date: 14.APR.2025 17:13:50

Middle Channel / QPSK

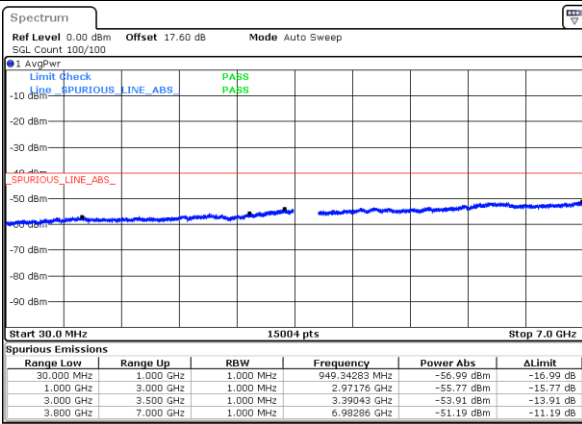


Date: 14.APR.2025 17:22:49

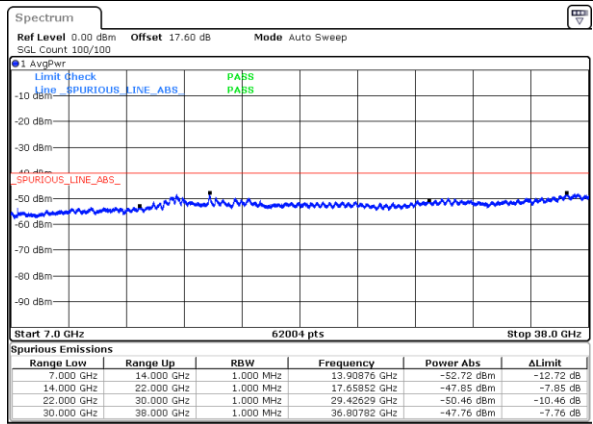


Date: 14.APR.2025 17:41:03

Highest Channel / QPSK



Date: 14.APR.2025 17:24:01



Date: 14.APR.2025 17:42:15

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	0.0014	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0018	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B1. 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	L	7102	-48.01	RMS	36.70	-23.46	2.44	-95.23	31.54	-40.00	-8.01	V	0

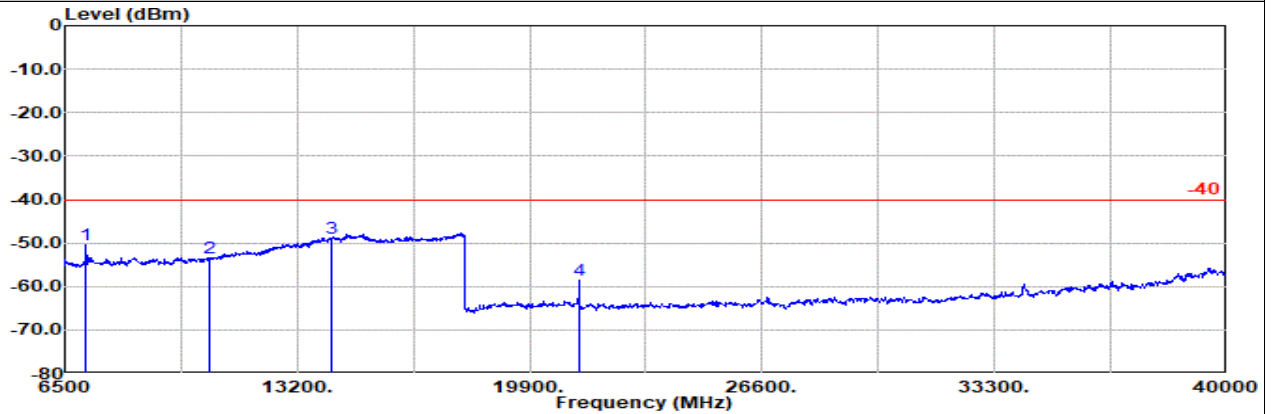


Ant. 0

Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

L

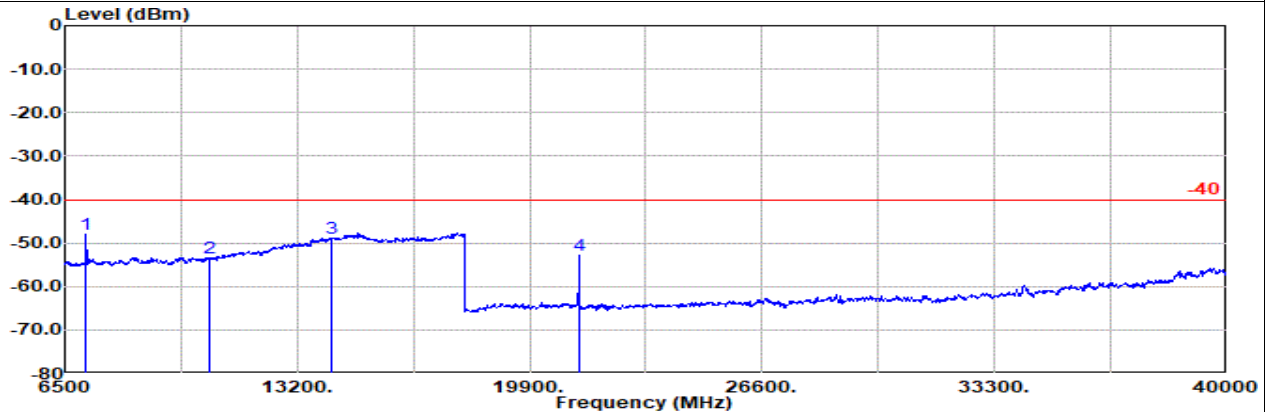


Site : 03CH23-HY

Condition: -40 1m SHF_1224_240624 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin		Pol
					dB/m	dB		dB			dB	dB	
1	7102.00	-50.39	RMS	36.70	-23.46	2.44	-95.23	29.16	-40.00	-10.39	Horizontal		
2	10653.00	-53.46	RMS	37.50	-24.29	2.24	-95.23	26.32	-40.00	-13.46	Horizontal		
3	14204.00	-49.00	RMS	40.89	-25.47	2.49	-95.23	28.32	-40.00	-9.00	Horizontal		
4	21306.00	-58.61	RMS	38.18	-41.71	-9.54	-95.23	49.69	-40.00	-18.61	Horizontal		



Site : 03CH23-HY

Condition: -40 1m SHF_1224_240624 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin		Pol
					dB/m	dB		dB			dB	dB	
1	7102.00	-48.01	RMS	36.70	-23.46	2.44	-95.23	31.54	-40.00	-8.01	Vertical		
2	10653.00	-53.51	RMS	37.50	-24.29	2.24	-95.23	26.27	-40.00	-13.51	Vertical		
3	14204.00	-48.97	RMS	40.89	-25.47	2.49	-95.23	28.35	-40.00	-8.97	Vertical		
4	21306.00	-52.80	RMS	38.18	-41.71	-9.54	-95.23	55.50	-40.00	-12.80	Vertical		

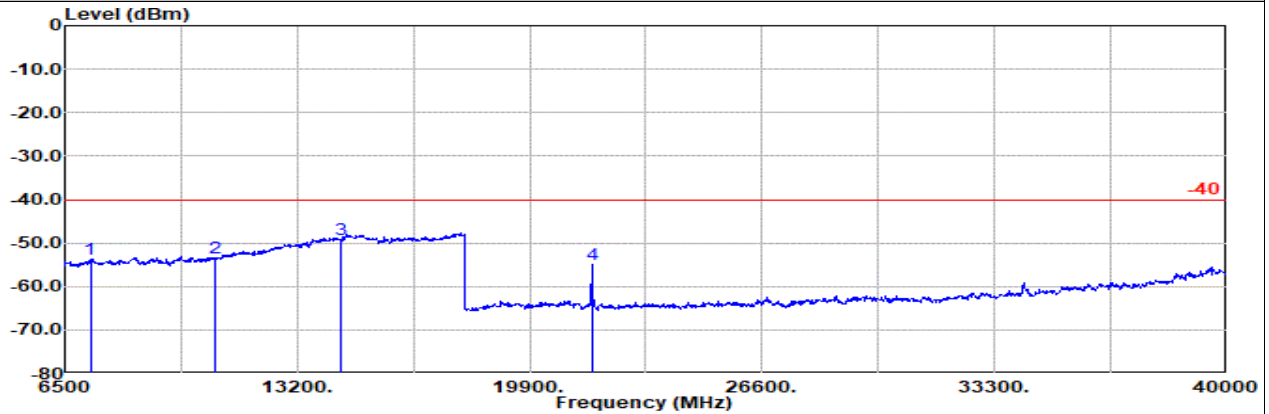


Ant. 0

Part 96 Mode 1

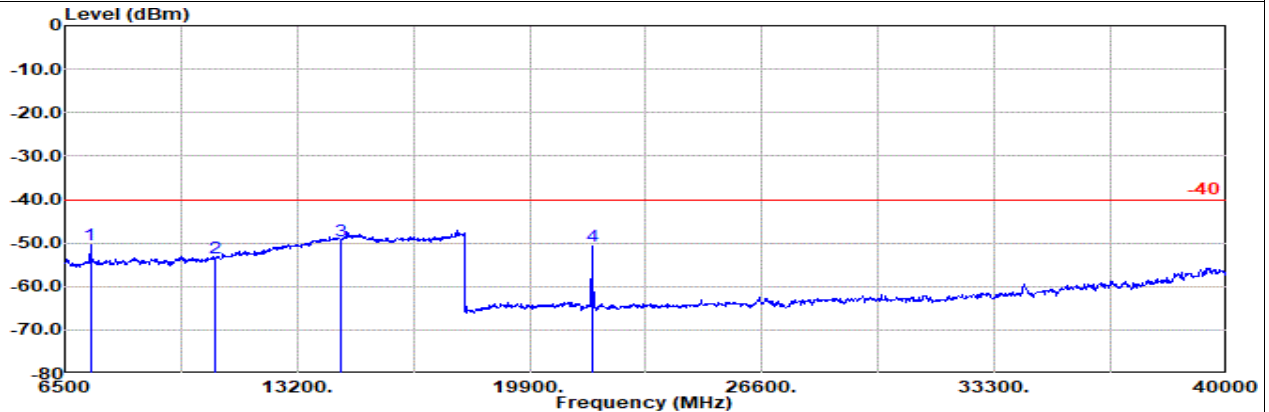
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin		Pol
					dB/m	dB		dB	dB			dB	dB	
1	7232.00	-53.70	RMS		37.13	-23.47	2.44	-95.23	25.43	-40.00	-13.70	Horizontal		
2	10848.00	-53.47	RMS		37.60	-24.39	2.24	-95.23	26.31	-40.00	-13.47	Horizontal		
3	14464.00	-49.22	RMS		40.98	-25.77	2.49	-95.23	28.31	-40.00	-9.22	Horizontal		
4	21696.00	-55.08	RMS		38.11	-41.22	-9.54	-95.23	52.80	-40.00	-15.08	Horizontal		



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Vertical
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF		Readin g	Limit	Margin		Pol
					dB/m	dB		dB	dB			dB	dB	
1	7232.00	-50.54	RMS		37.13	-23.47	2.44	-95.23	28.59	-40.00	-10.54	Vertical		
2	10848.00	-53.41	RMS		37.60	-24.39	2.24	-95.23	26.37	-40.00	-13.41	Vertical		
3	14464.00	-49.52	RMS		40.98	-25.77	2.49	-95.23	28.01	-40.00	-9.52	Vertical		
4	21696.00	-50.65	RMS		38.11	-41.22	-9.54	-95.23	57.23	-40.00	-10.65	Vertical		

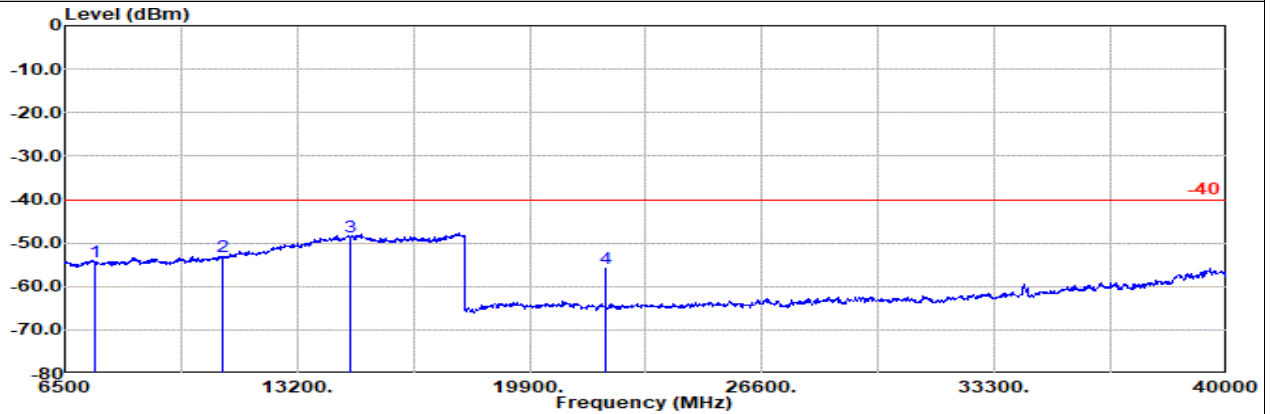


Ant. 0

Part 96 Mode 1

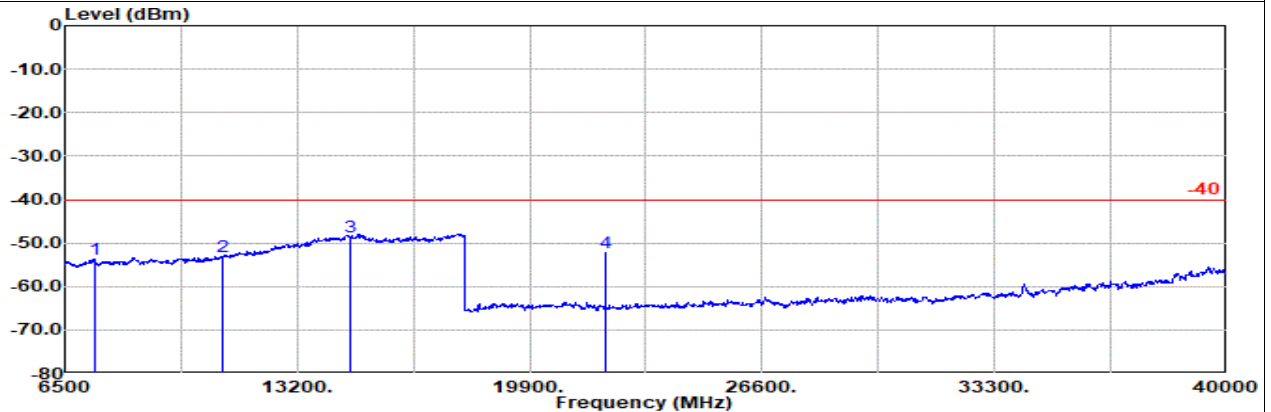
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Horizontal
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	7362.00	-54.31	RMS		37.28	-23.50	2.26 -95.23	24.88	-40.00	-14.31	Horizontal	
2	11043.00	-53.15	RMS		37.97	-24.47	2.25 -95.23	26.33	-40.00	-13.15	Horizontal	
3	14724.00	-48.63	RMS		41.55	-26.03	2.50 -95.23	28.58	-40.00	-8.63	Horizontal	
4	22086.00	-55.87	RMS		38.23	-40.44	-9.54 -95.23	51.11	-40.00	-15.87	Horizontal	



Site : 03CH23-HY
Condition: -40 1m SHF_1224_240624 Vertical
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	7362.00	-53.72	RMS		37.28	-23.50	2.26 -95.23	25.47	-40.00	-13.72	Vertical	
2	11043.00	-53.20	RMS		37.97	-24.47	2.25 -95.23	26.28	-40.00	-13.20	Vertical	
3	14724.00	-48.73	RMS		41.55	-26.03	2.50 -95.23	28.48	-40.00	-8.73	Vertical	
4	22086.00	-52.12	RMS		38.23	-40.44	-9.54 -95.23	54.86	-40.00	-12.12	Vertical	

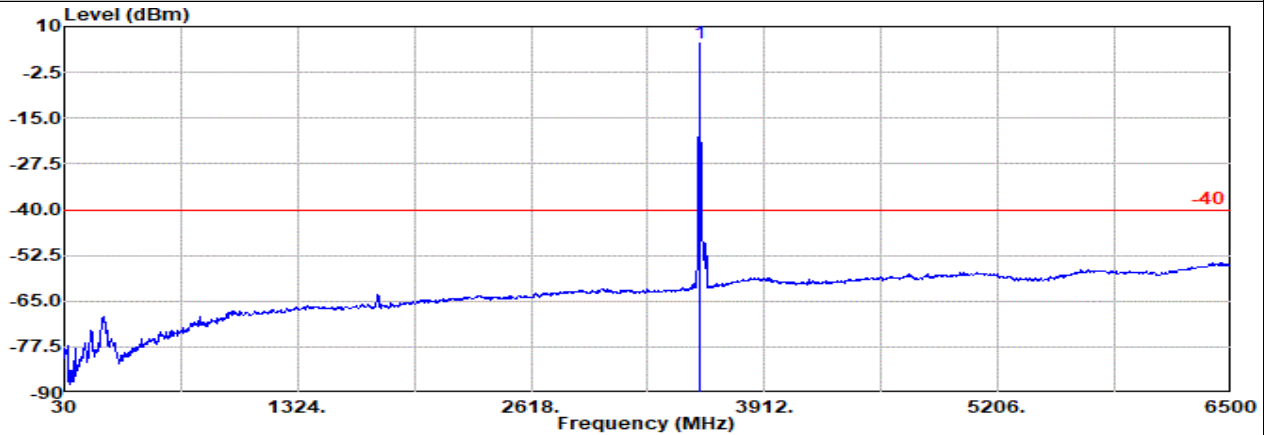


Ant. 0

Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

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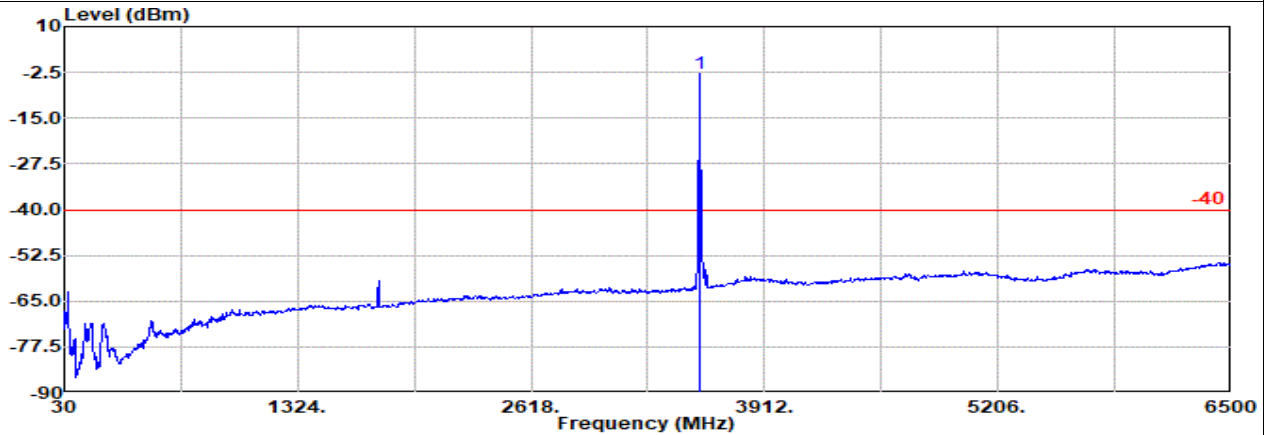
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Horizontal

: LTE Band 48 20M Ch55340 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	3552.00	5.33	RMS	29.40	-24.82	3.37	-95.23	92.61	-40.00	45.33	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Vertical

: LTE Band 48 20M Ch55340 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	3552.00	-3.02	RMS	29.40	-24.82	3.37	-95.23	84.26	-40.00	36.98	Vertical

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