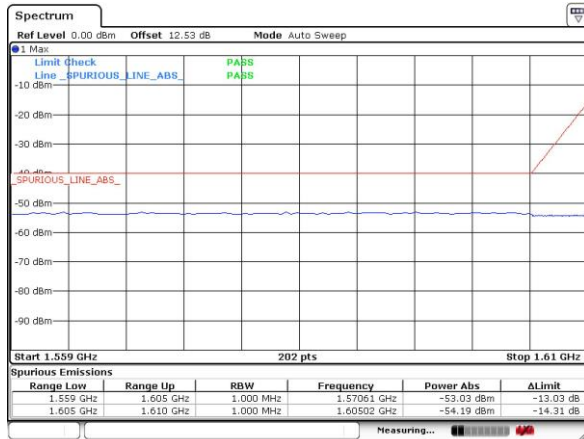




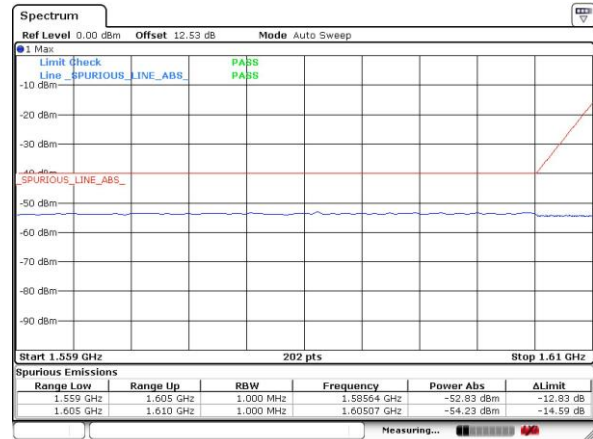
Band 255 SCS 15kHz

Broadband

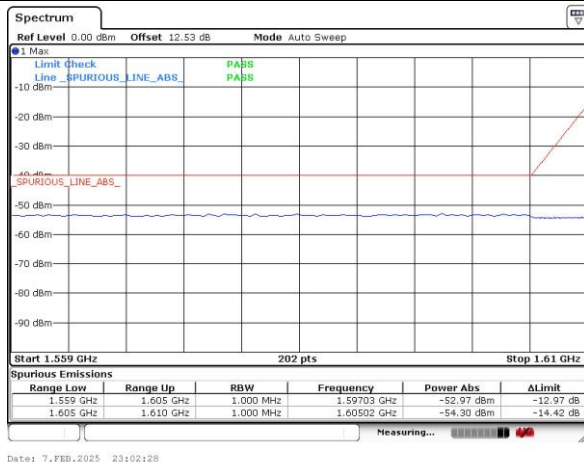
Lowest Channel / 1SC0 BPSK



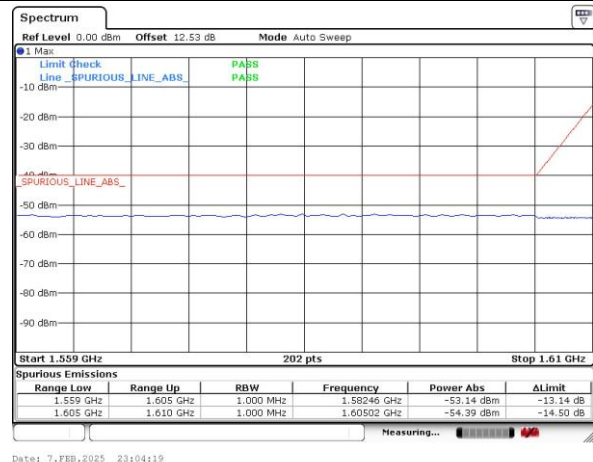
Lowest Channel / 1SC11 BPSK



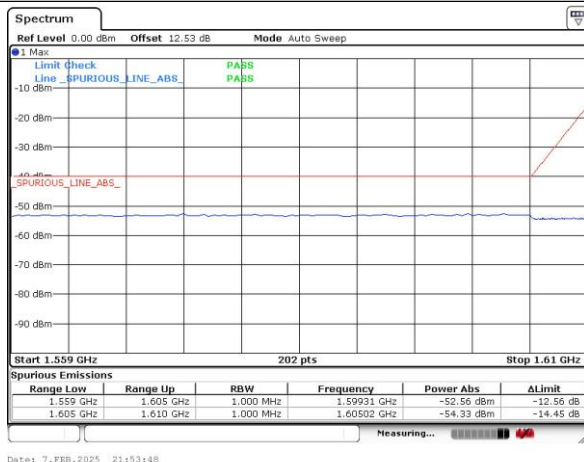
Middle Channel / 1SC0 BPSK



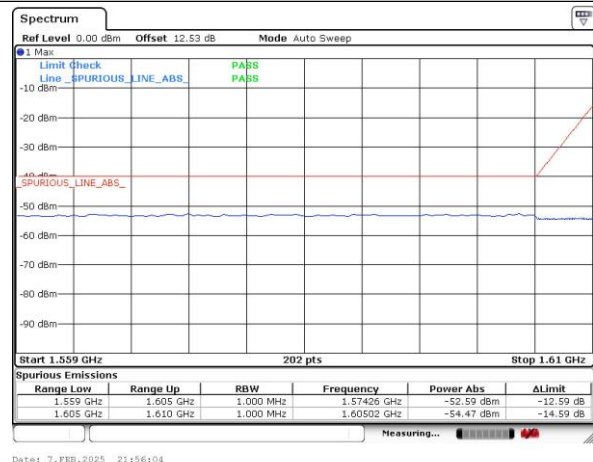
Middle Channel / 1SC11 BPSK



Highest Channel / 1SC0 BPSK

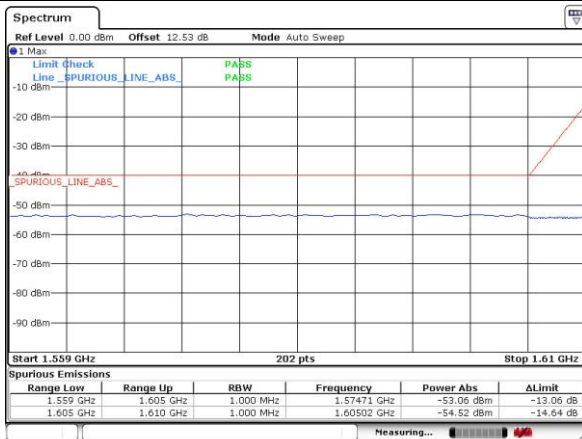


Highest Channel / 1SC11 BPSK



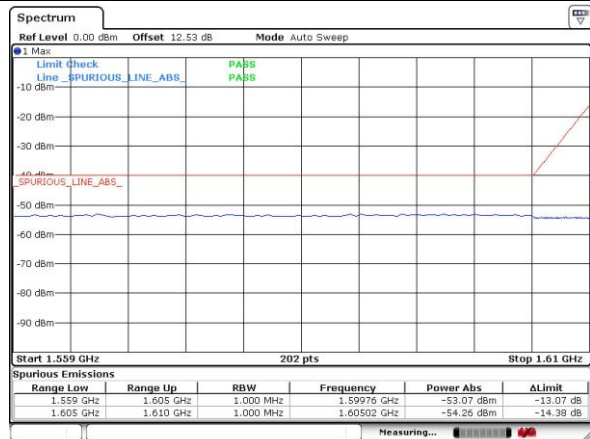


Lowest Channel / 1SC0 QPSK



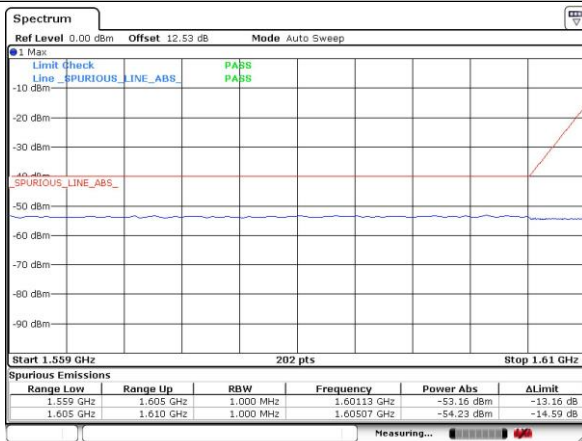
Date: 7.FEB.2025 23:15:24

Lowest Channel / 1SC11 QPSK



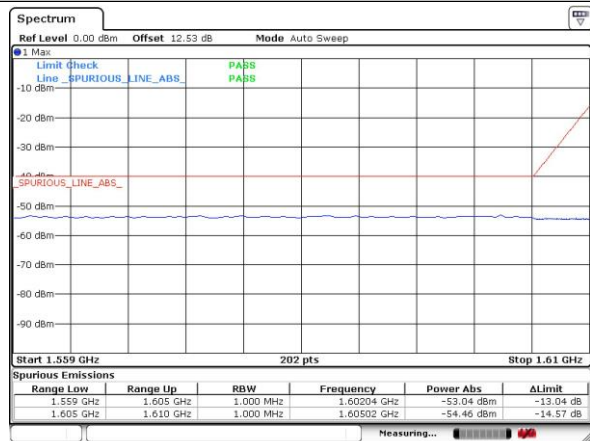
Date: 7.FEB.2025 23:17:20

Middle Channel / 1SC0 QPSK



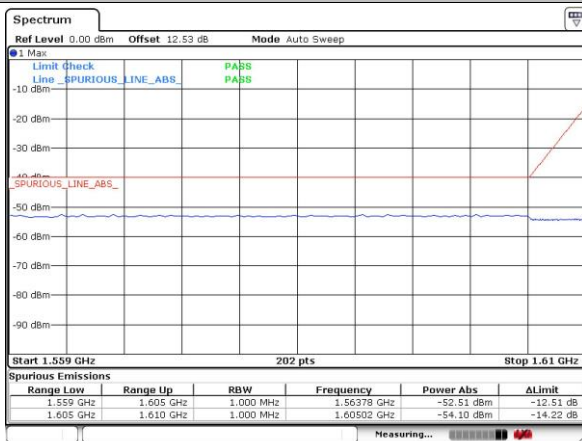
Date: 7.FEB.2025 23:03:07

Middle Channel / 1SC11 QPSK



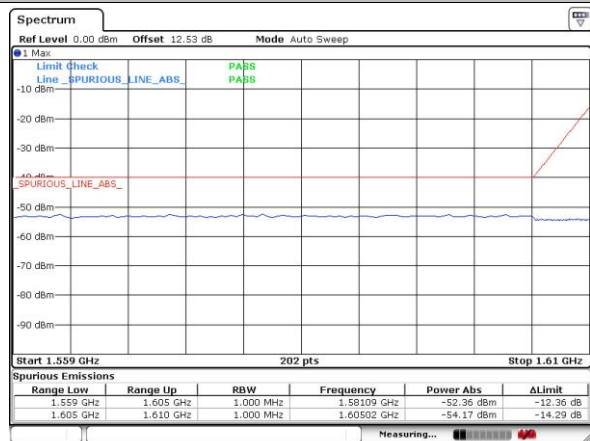
Date: 7.FEB.2025 23:05:11

Highest Channel / 1SC0 QPSK



Date: 7.FEB.2025 21:55:11

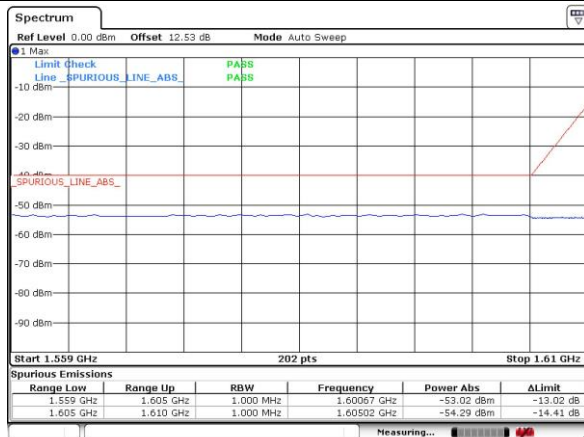
Highest Channel / 1SC11 QPSK



Date: 7.FEB.2025 21:57:10

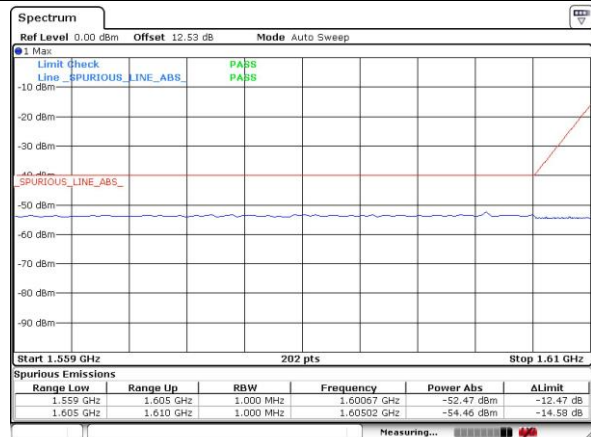


Lowest Channel / 3SC0 QPSK



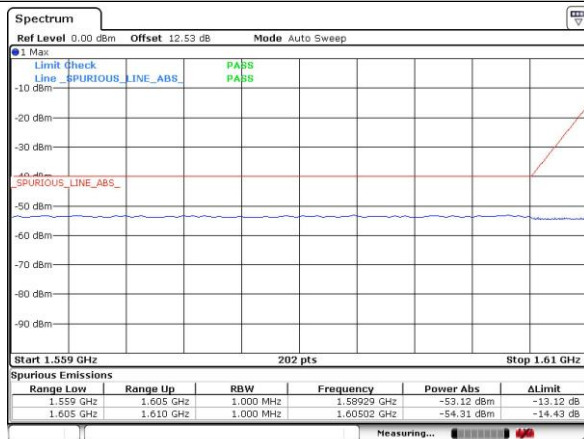
Date: 7.FEB.2025 23:18:44

Lowest Channel / 3SC9 QPSK



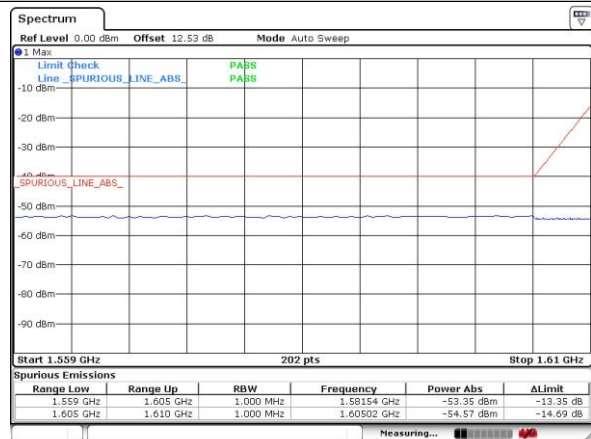
Date: 7.FEB.2025 23:19:29

Middle Channel / 3SC0 QPSK



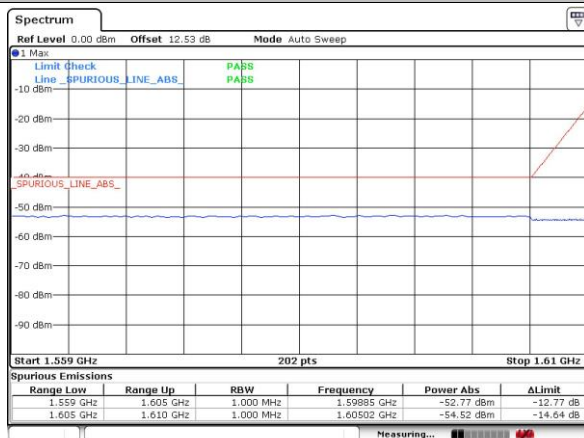
Date: 7.FEB.2025 23:06:11

Middle Channel / 3SC9 QPSK



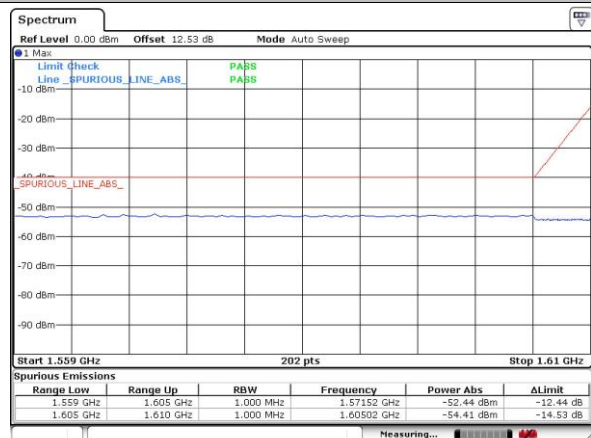
Date: 7.FEB.2025 23:07:10

Highest Channel / 3SC0 QPSK



Date: 7.FEB.2025 21:58:13

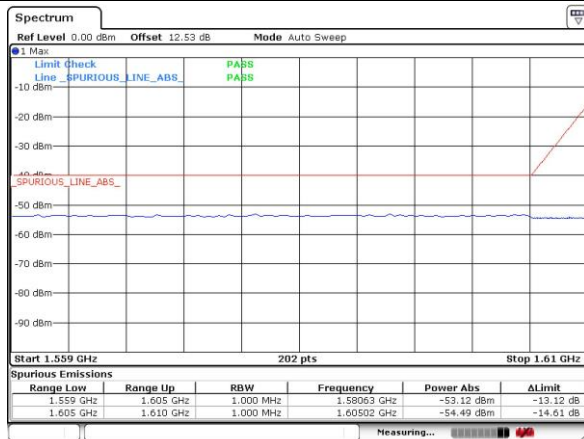
Highest Channel / 3SC9 QPSK



Date: 7.FEB.2025 21:59:38

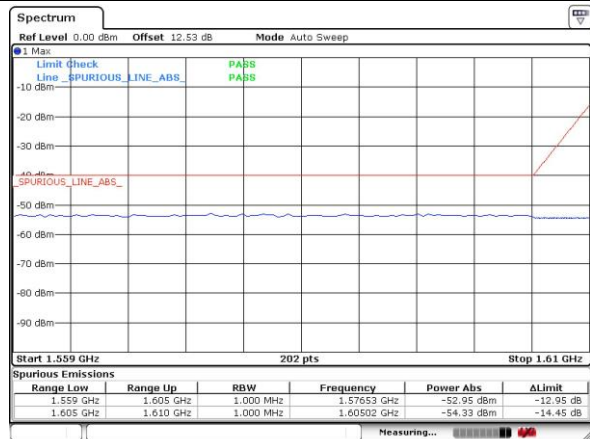


Lowest Channel / 6SC0 QPSK



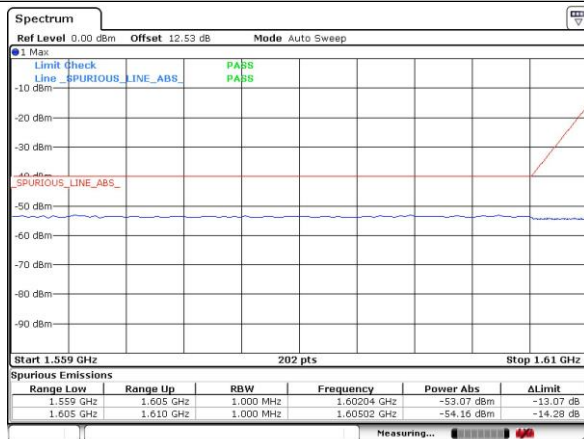
Date: 7.FEB.2025 23:20:20

Lowest Channel / 6SC6 QPSK



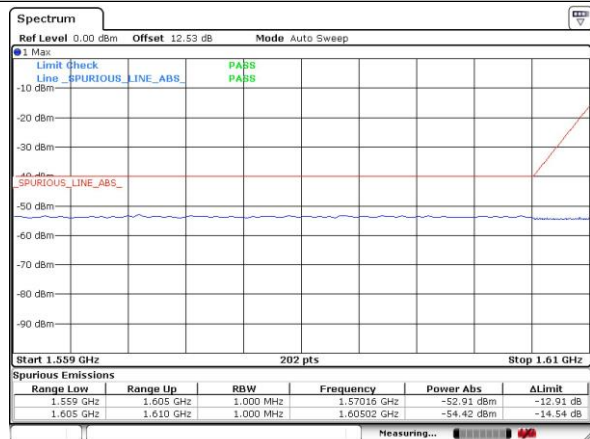
Date: 7.FEB.2025 23:21:26

Middle Channel / 6SC0 QPSK



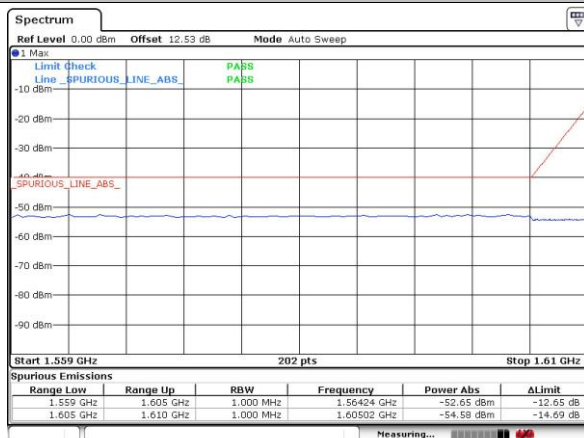
Date: 7.FEB.2025 23:08:14

Middle Channel / 6SC6 QPSK



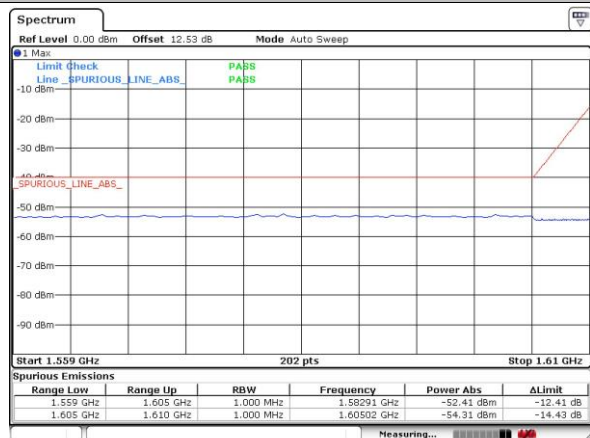
Date: 7.FEB.2025 23:09:08

Highest Channel / 6SC0 QPSK



Date: 7.FEB.2025 22:00:53

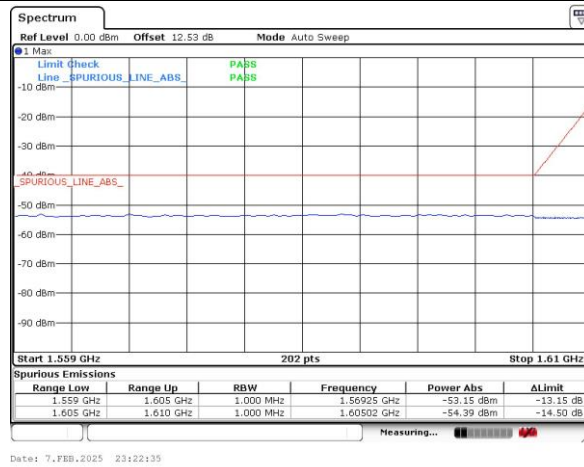
Highest Channel / 6SC6 QPSK



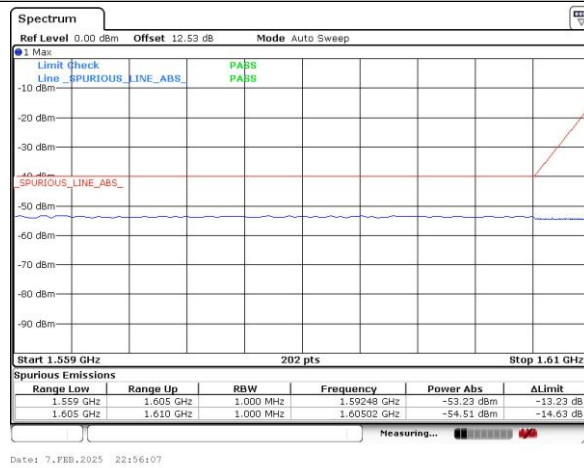
Date: 7.FEB.2025 22:02:03



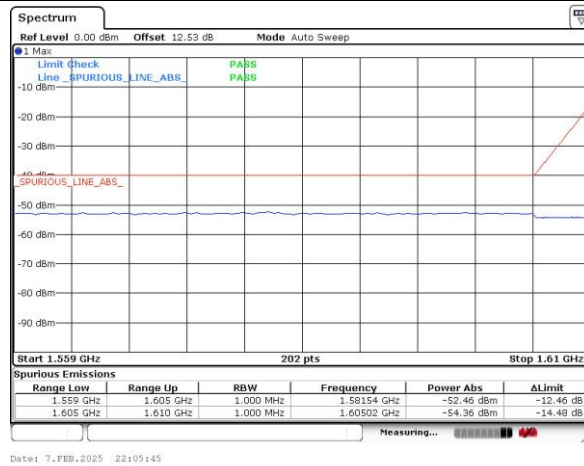
Lowest Channel / 12SC0 QPSK



Middle Channel / 12SC0 QPSK



Highest Channel / 12SC0 QPSK

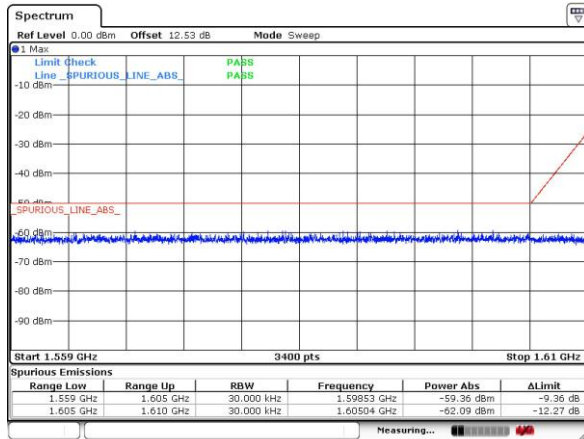




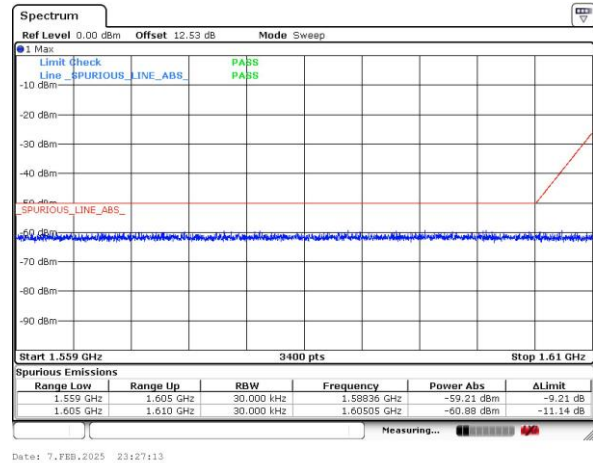
Band 255 SCS 3.75kHz

Discrete

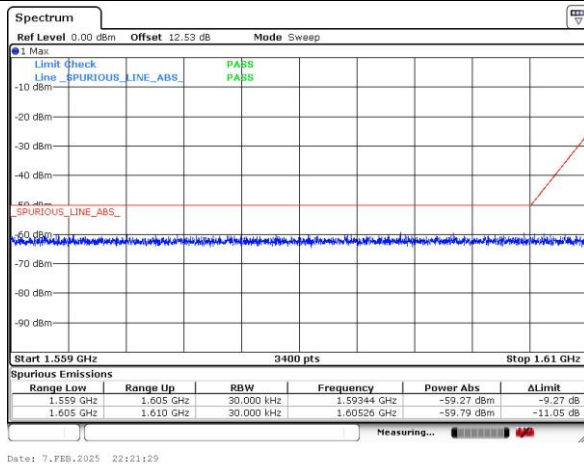
Lowest Channel / 1SC0 BPSK



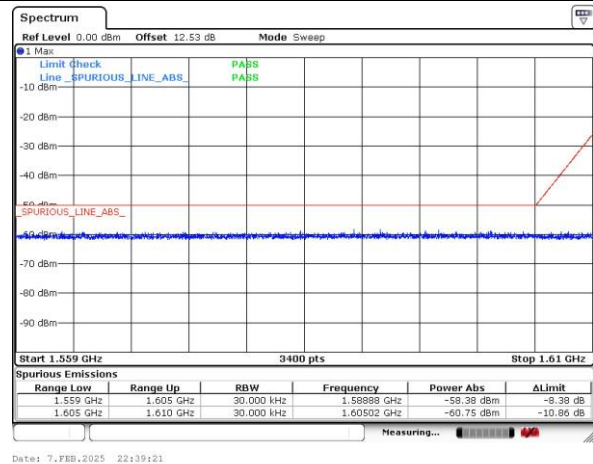
Lowest Channel / 1SC47 BPSK



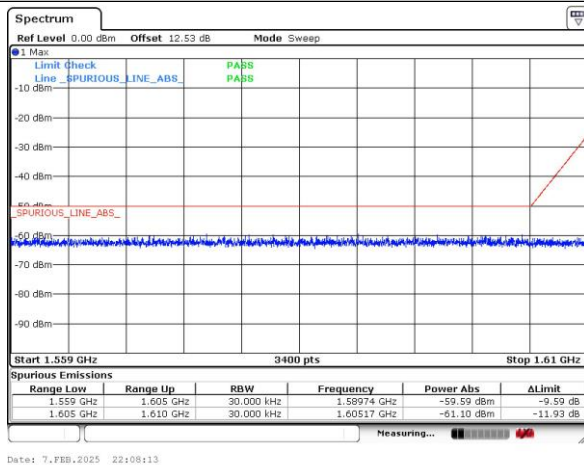
Middle Channel / 1SC0 BPSK



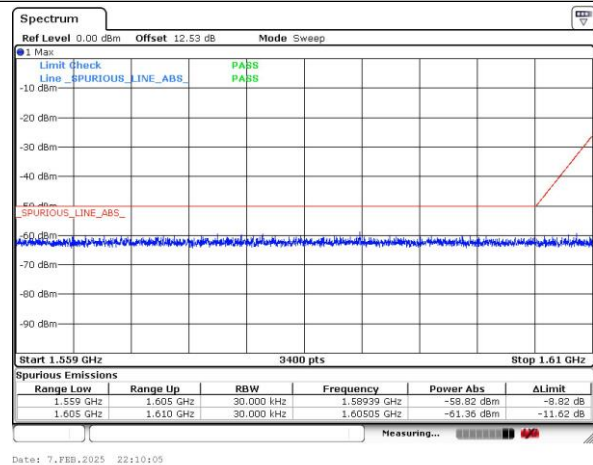
Middle Channel / 1SC47 BPSK



Highest Channel / 1SC0 BPSK

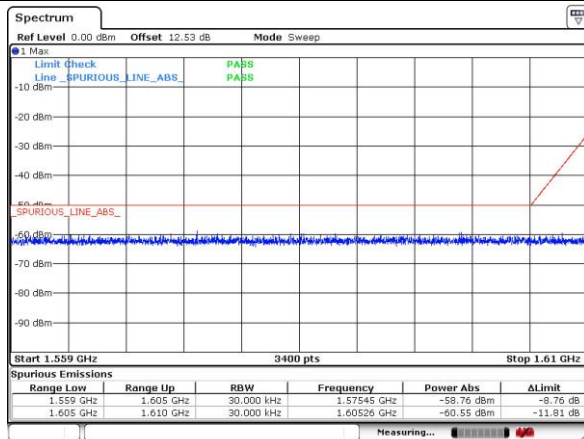


Highest Channel / 1SC47 BPSK



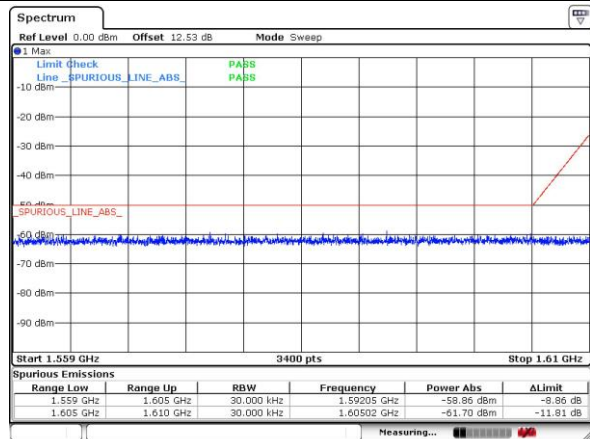


Lowest Channel / 1SC0 QPSK



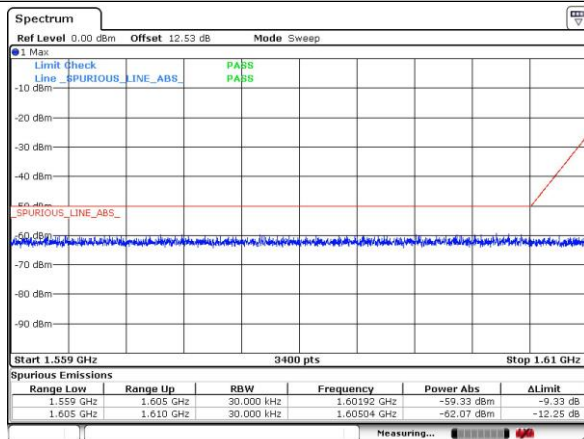
Date: 7.FEB.2025 23:25:07

Lowest Channel / 1SC47 QPSK



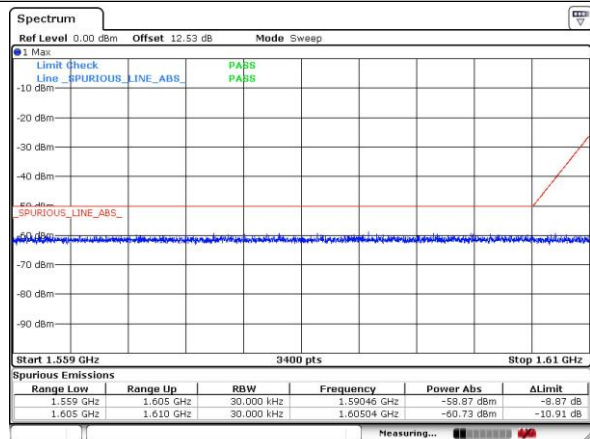
Date: 7.FEB.2025 23:28:16

Middle Channel / 1SC0 QPSK



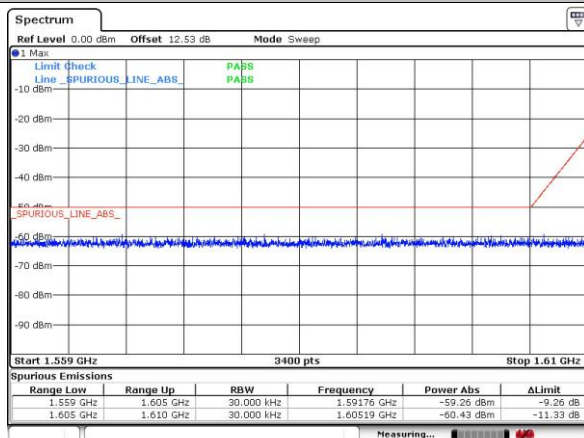
Date: 7.FEB.2025 22:22:38

Middle Channel / 1SC47 QPSK



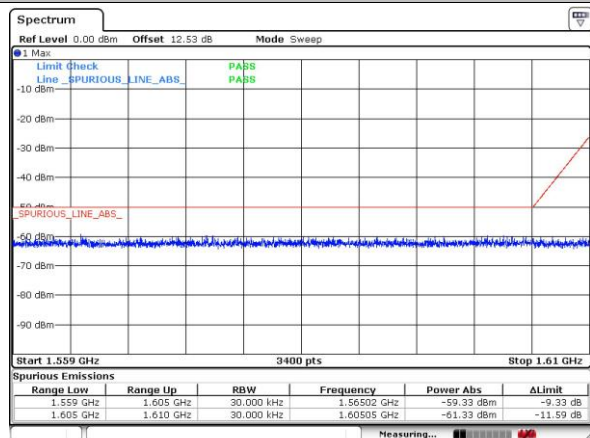
Date: 7.FEB.2025 22:42:28

Highest Channel / 1SC0 QPSK



Date: 7.FEB.2025 22:09:09

Highest Channel / 1SC47 QPSK



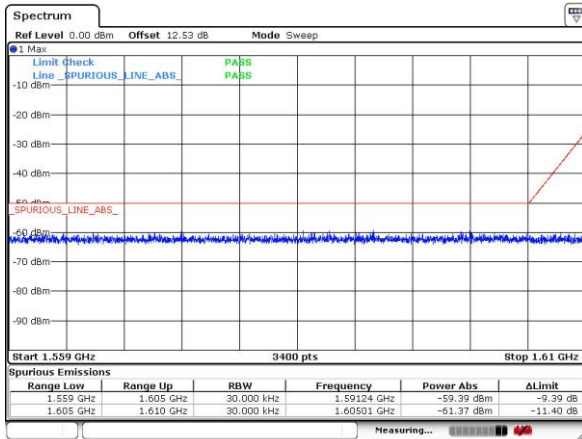
Date: 7.FEB.2025 22:11:07



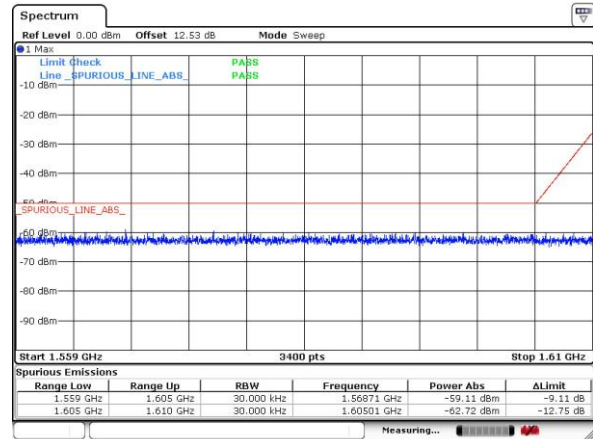
Band 255 SCS 15kHz

Discrete

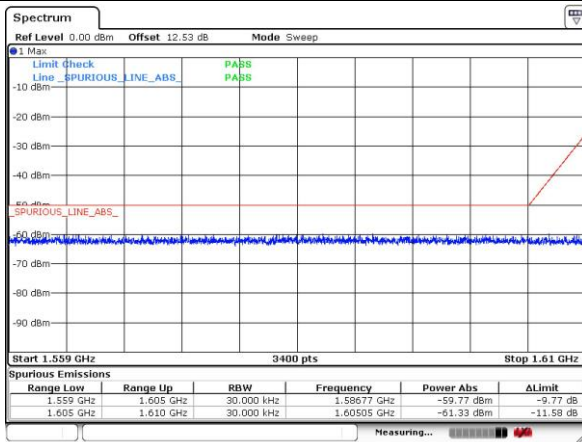
Lowest Channel / 1SC0 BPSK



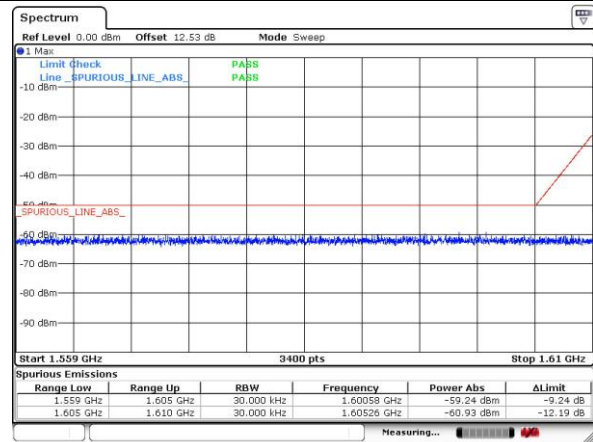
Lowest Channel / 1SC11 BPSK



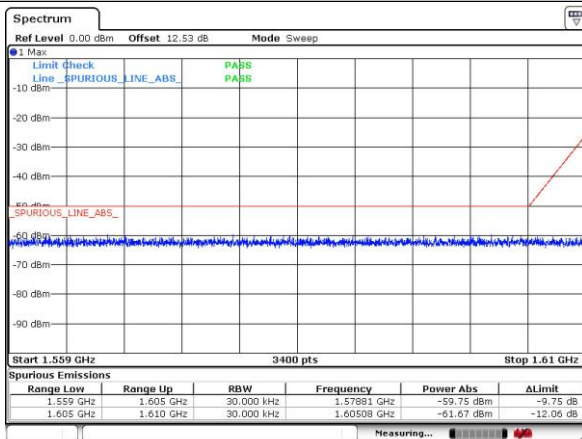
Middle Channel / 1SC0 BPSK



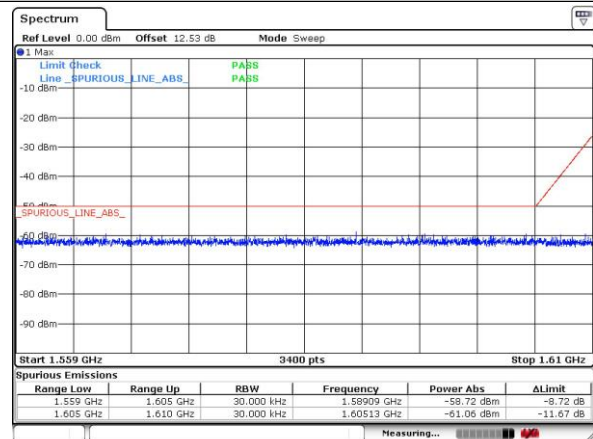
Middle Channel / 1SC11 BPSK



Highest Channel / 1SC0 BPSK

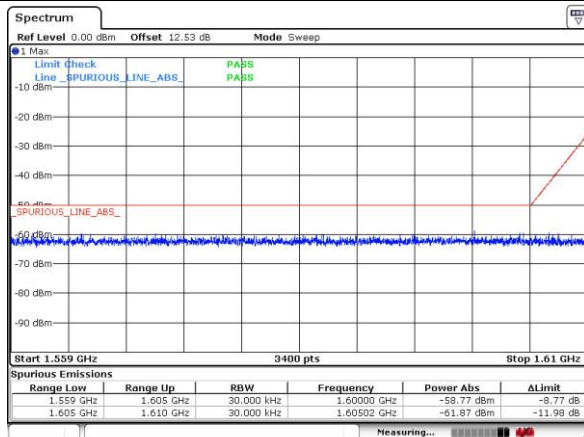


Highest Channel / 1SC11 BPSK



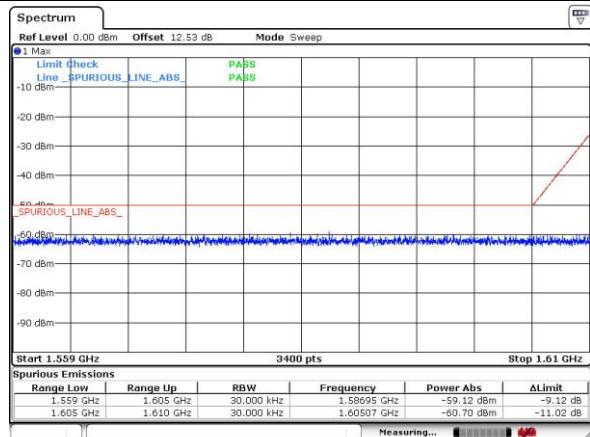


Lowest Channel / 1SC0 QPSK



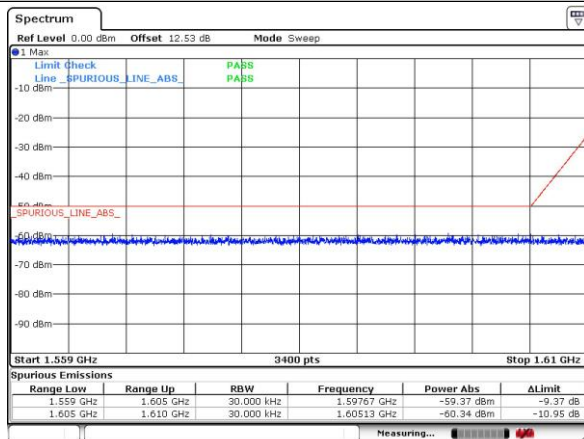
Date: 7.FEB.2025 23:30:31

Lowest Channel / 1SC11 QPSK



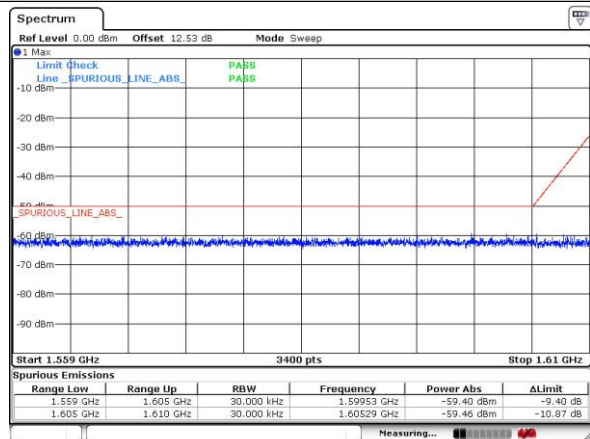
Date: 7.FEB.2025 23:32:23

Middle Channel / 1SC0 QPSK



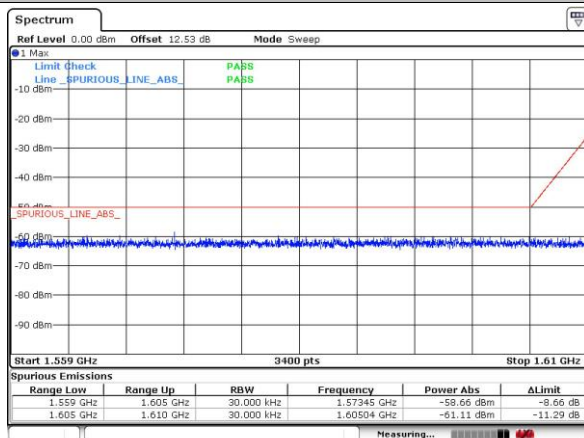
Date: 7.FEB.2025 22:48:32

Middle Channel / 1SC11 QPSK



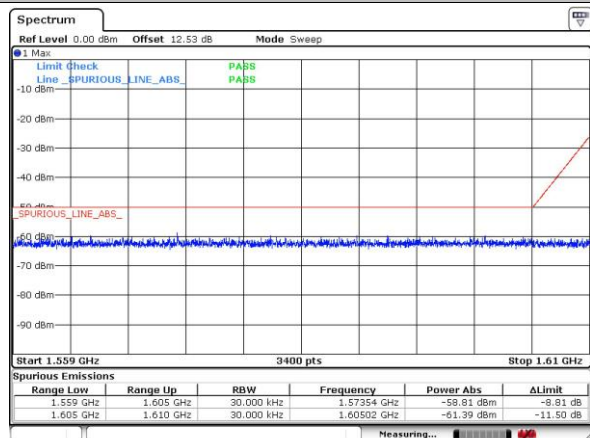
Date: 7.FEB.2025 22:50:28

Highest Channel / 1SC0 QPSK



Date: 7.FEB.2025 22:13:21

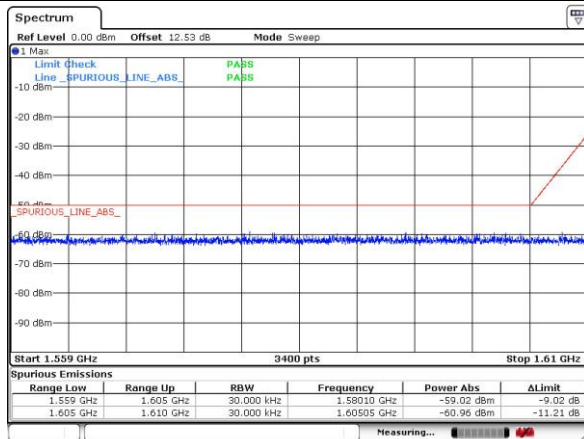
Highest Channel / 1SC11 QPSK



Date: 7.FEB.2025 22:15:20

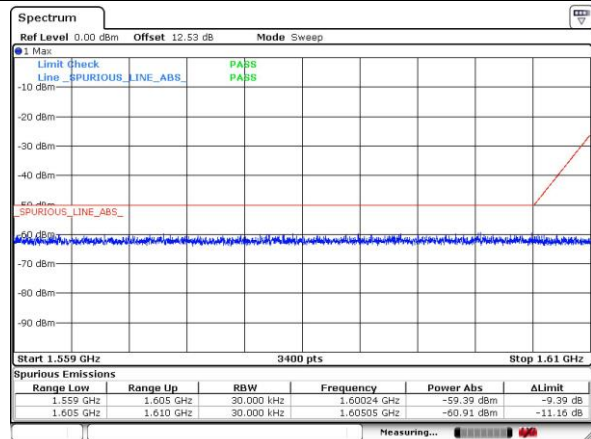


Lowest Channel / 3SC0 QPSK



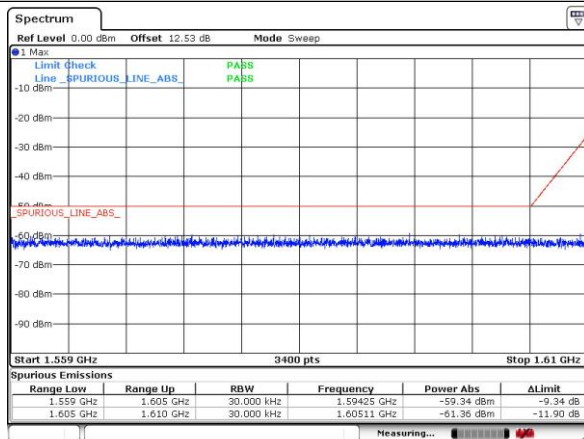
Date: 7.FEB.2025 23:33:40

Lowest Channel / 3SC9 QPSK



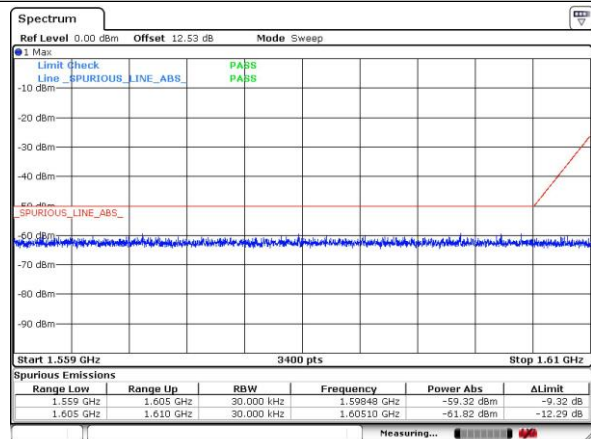
Date: 7.FEB.2025 23:34:45

Middle Channel / 3SC0 QPSK



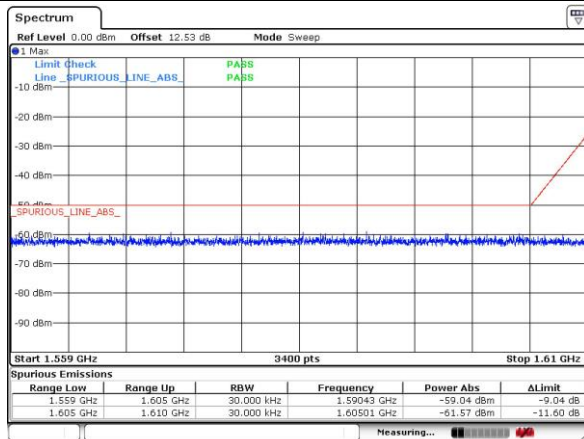
Date: 7.FEB.2025 22:51:20

Middle Channel / 3SC9 QPSK



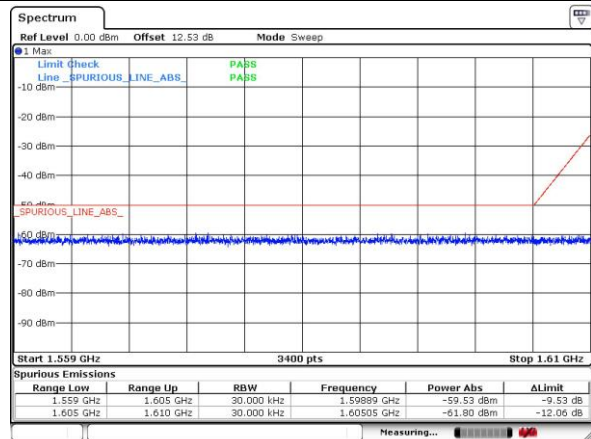
Date: 7.FEB.2025 22:52:14

Highest Channel / 3SC0 QPSK



Date: 7.FEB.2025 22:16:15

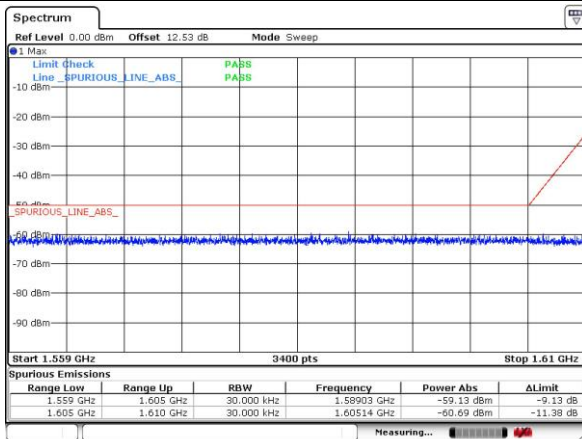
Highest Channel / 3SC9 QPSK



Date: 7.FEB.2025 22:17:30

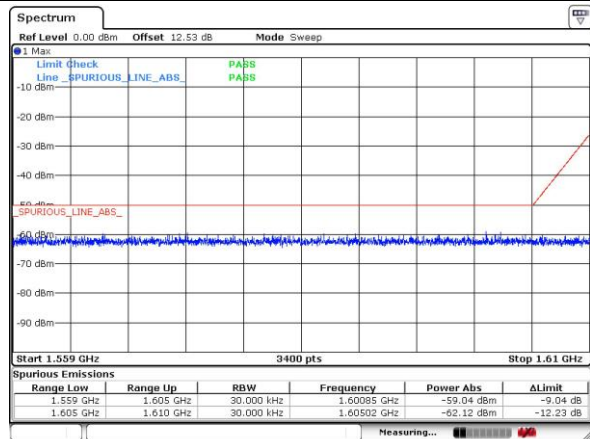


Lowest Channel / 6SC0 QPSK



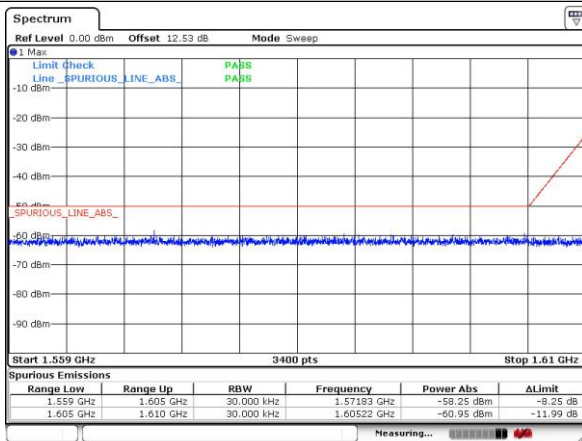
Date: 7.FEB.2025 23:35:55

Lowest Channel / 6SC6 QPSK



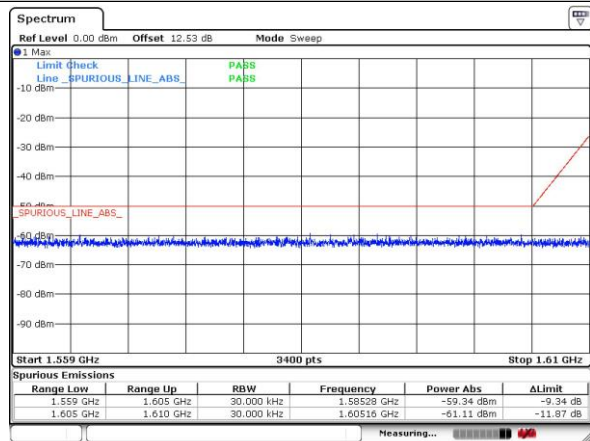
Date: 7.FEB.2025 23:36:53

Middle Channel / 6SC0 QPSK



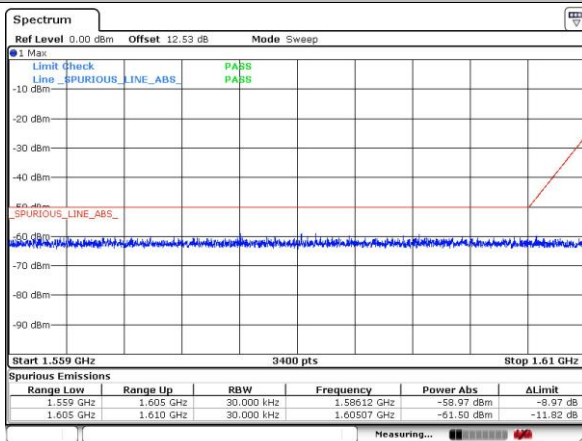
Date: 7.FEB.2025 22:53:23

Middle Channel / 6SC6 QPSK



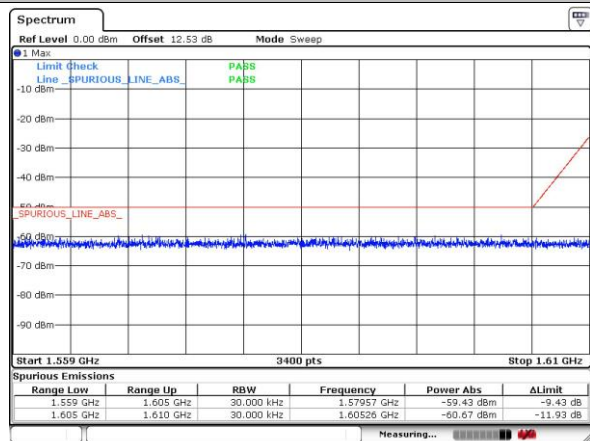
Date: 7.FEB.2025 22:54:07

Highest Channel / 6SC0 QPSK



Date: 7.FEB.2025 22:18:25

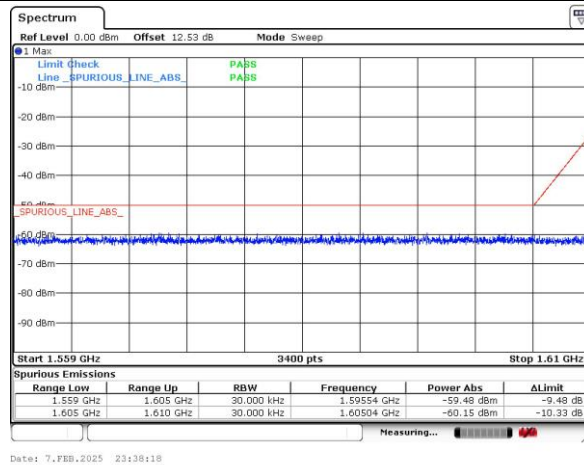
Highest Channel / 6SC6 QPSK



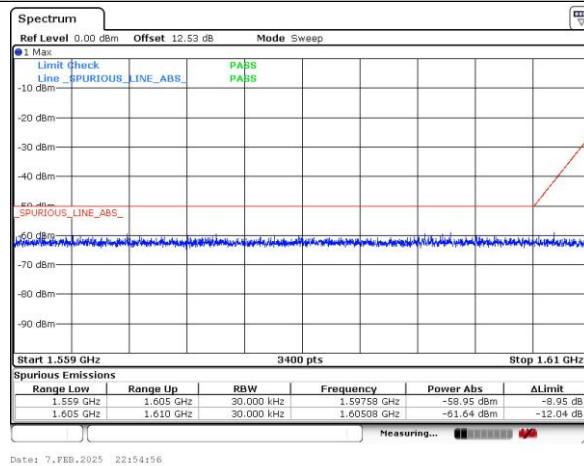
Date: 7.FEB.2025 22:19:15



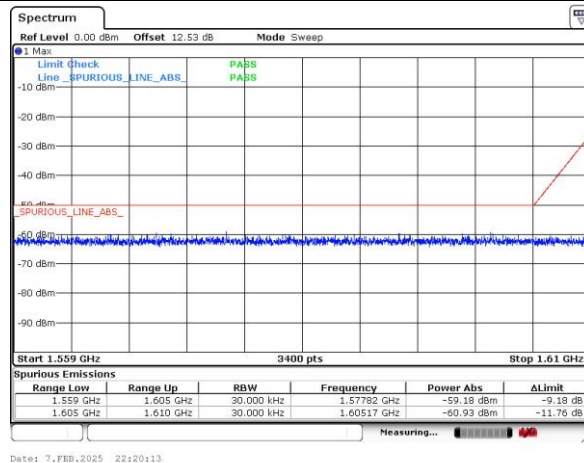
Lowest Channel / 12SC0 QPSK



Middle Channel / 12SC0 QPSK



Highest Channel / 12SC0 QPSK



Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage = 4.5V.
2. Note: 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 25	NTN B23	M	6030	-60.08	RMS	35.36	-42.75	0.47	-95.23	42.07	-13.00	-47.08	H	1
2	Part 25	NTN B255	M	4935	-49.34	RMS	34.27	-46.88	0.50	-95.23	58.00	-13.00	-36.34	V	4

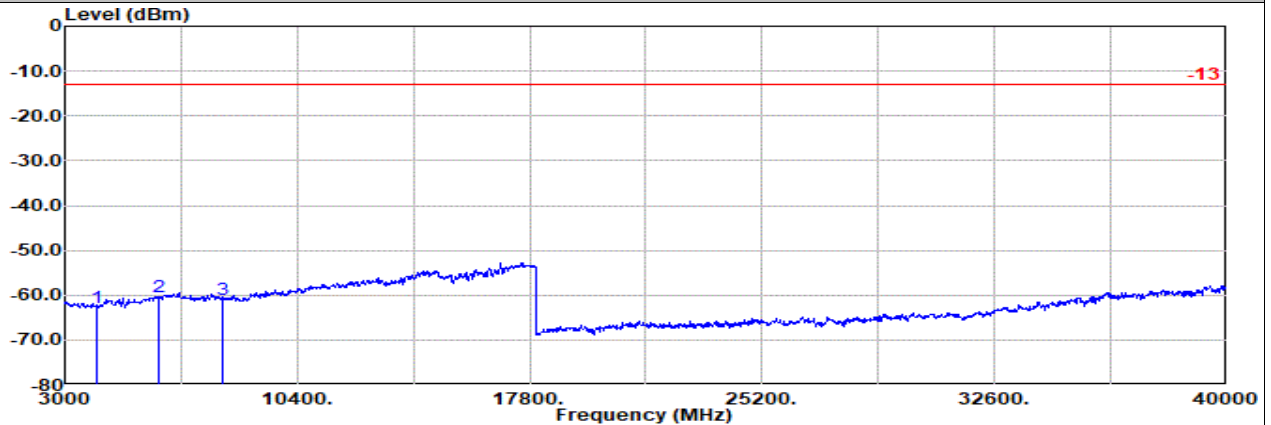


Antenna 1

Part 25 Mode 1

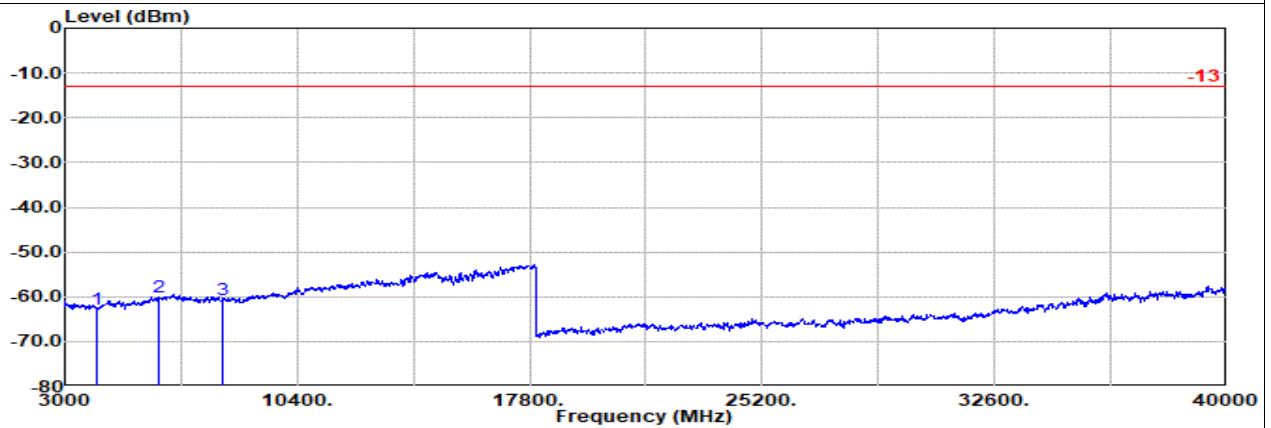
NTN B23 20M Ch25501 1RB0 QPSK

L



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : LTE Band 23 20M CH25501 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4000.00	-62.74	RMS	33.40	-49.14	0.63	-95.23	0.00	-13.00	-49.74 Horizontal
2	6000.00	-60.52	RMS	35.30	-42.80	0.48	-95.23	41.73	-13.00	-47.52 Horizontal
3	8000.00	-60.93	RMS	36.10	-42.43	0.31	-95.23	40.32	-13.00	-47.93 Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : LTE Band 23 20M CH25501 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4000.00	-62.87	RMS	33.40	-49.14	0.63	-95.23	47.47	-13.00	-49.87 Vertical
2	6000.00	-60.16	RMS	35.30	-42.80	0.48	-95.23	42.09	-13.00	-47.16 Vertical
3	8000.00	-60.73	RMS	36.10	-42.43	0.31	-95.23	40.52	-13.00	-47.73 Vertical

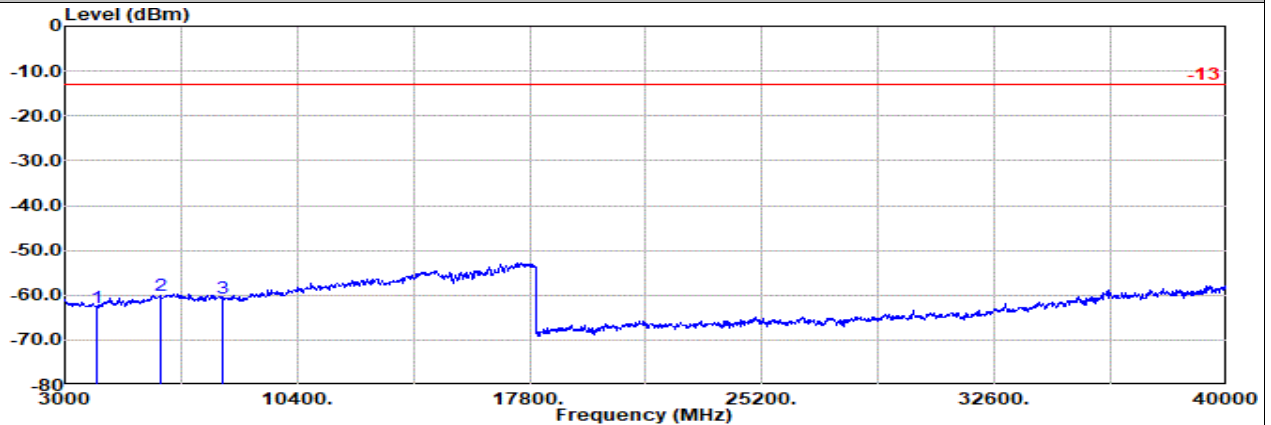


Antenna 1

Part 25 Mode 1

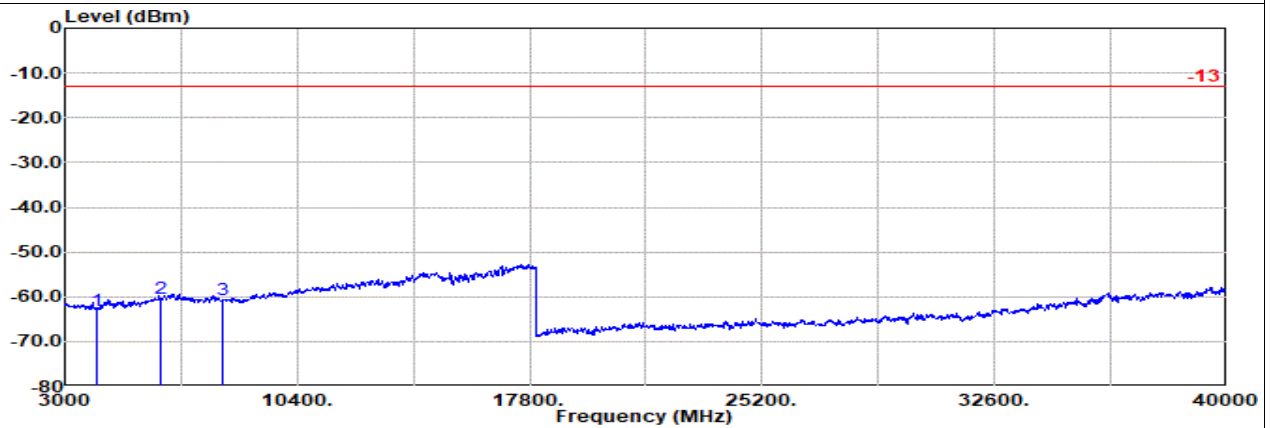
NTN B23 20M Ch25600 1RB0 QPSK

M



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : LTE Band 23 20M CH25600 1RB0 QPSK

	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	4020.00	-62.86	RMS	33.40	-49.11	0.65	-95.23	47.43	-13.00	-49.86 Horizontal
2	6030.00	-60.08	RMS	35.36	-42.75	0.47	-95.23	42.07	-13.00	-47.08 Horizontal
3	8040.00	-60.55	RMS	36.02	-42.40	0.36	-95.23	40.70	-13.00	-47.55 Horizontal



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : LTE Band 23 20M CH25600 1RB0 QPSK

	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	4020.00	-63.09	RMS	33.40	-49.11	0.65	-95.23	47.20	-13.00	-50.09 Vertical
2	6030.00	-60.34	RMS	35.36	-42.75	0.47	-95.23	41.81	-13.00	-47.34 Vertical
3	8040.00	-60.68	RMS	36.02	-42.40	0.36	-95.23	40.57	-13.00	-47.68 Vertical

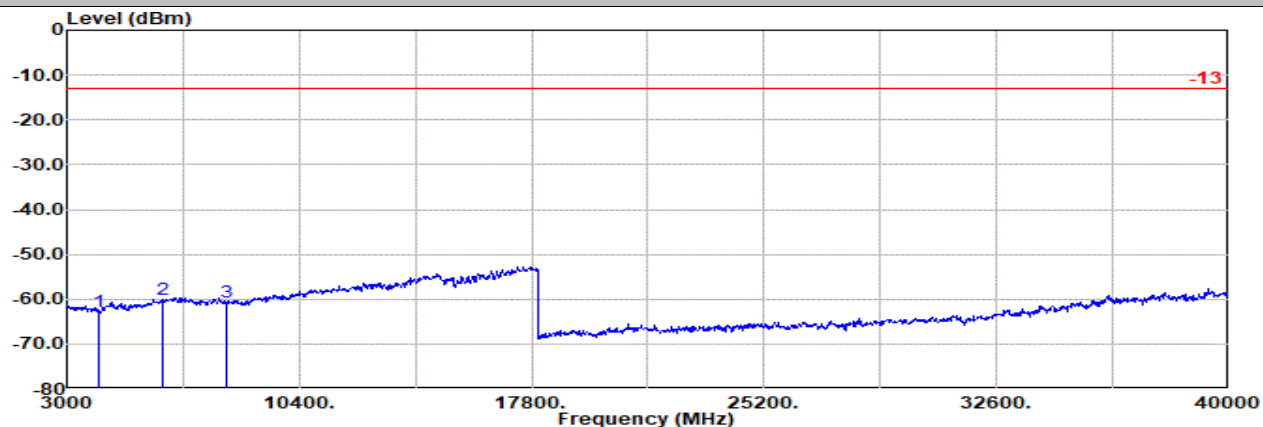


Antenna 1

Part 25 Mode 1

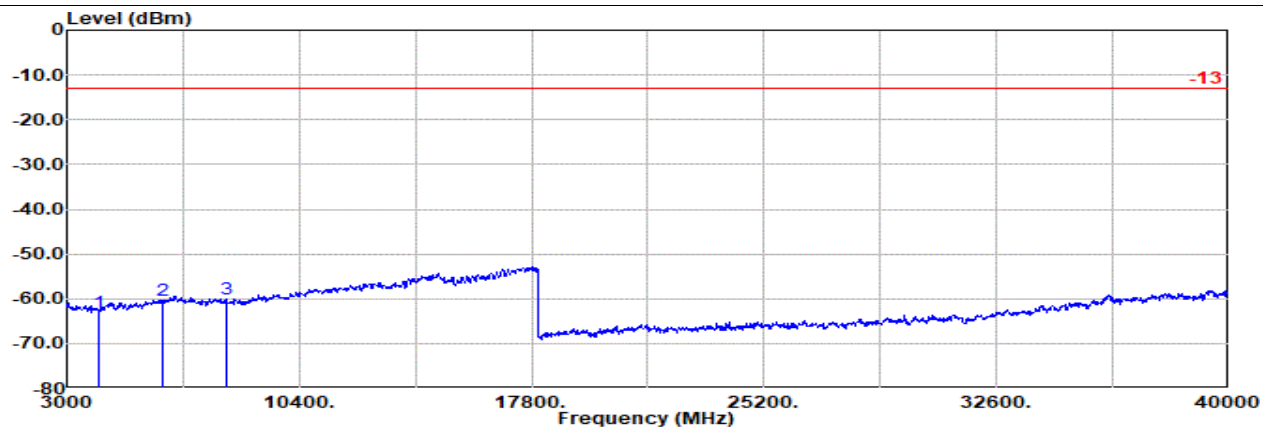
NTN B23 20M Ch25699 1RB0 QPSK

H



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Horizontal
Mode : LTE Band 23 20M CH25699 1RB0 QPSK

	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	4040.00	-62.85	RMS	33.40	-49.08	0.67	-95.23	47.39	-13.00	-49.85
2	6060.00	-60.16	RMS	35.42	-42.70	0.46	-95.23	41.89	-13.00	-47.16
3	8080.00	-60.60	RMS	35.94	-42.38	0.40	-95.23	40.67	-13.00	-47.60



Site : 03CH07-HY
Condition: -13 1m SHF-EHF_9170991 Vertical
Mode : LTE Band 23 20M CH25699 1RB0 QPSK

	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	4040.00	-63.14	RMS	33.40	-49.08	0.67	-95.23	47.10	-13.00	-50.14
2	6060.00	-60.24	RMS	35.42	-42.70	0.46	-95.23	41.81	-13.00	-47.24
3	8080.00	-60.22	RMS	35.94	-42.38	0.40	-95.23	41.05	-13.00	-47.22

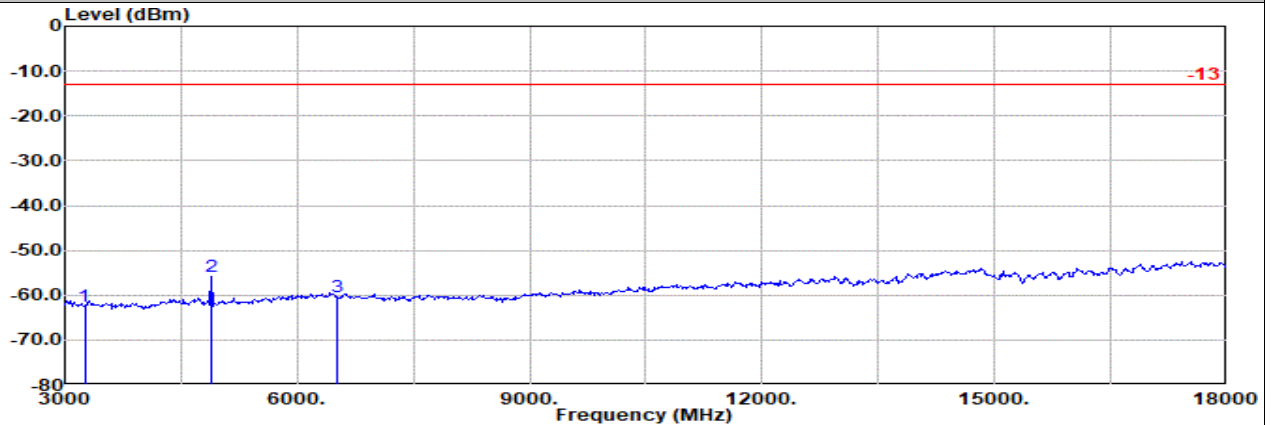


Antenna 4

Part 25 Mode 2

NTN B255 20M Ch261505 1RB0 QPSK

L

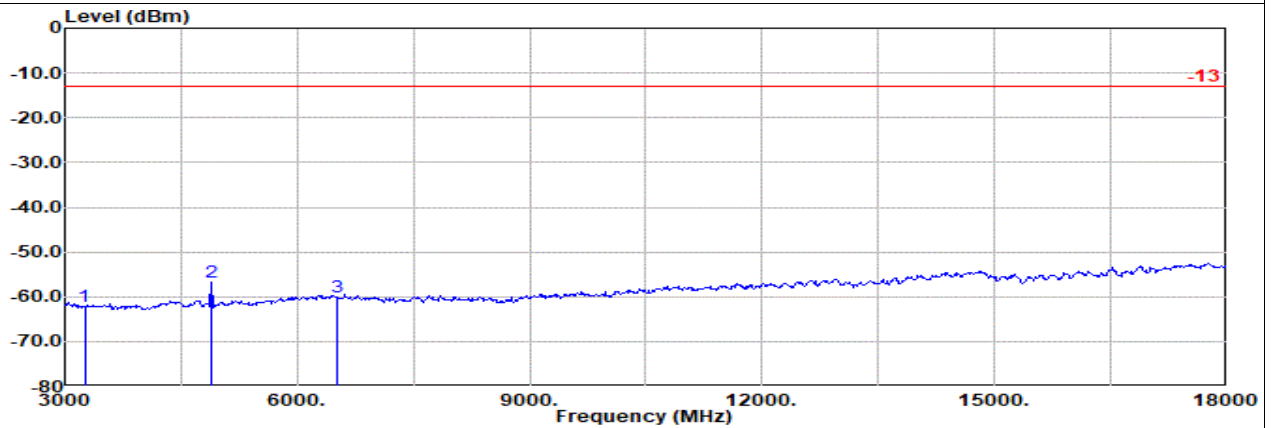


Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Horizontal

Mode : LTE Band 255 20M CH261505 1RB0 QPSK

	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	3255.00	-62.38	RMS	32.82	-49.34	1.00	-95.23	48.37	-13.00	-49.38 Horizontal
2	4890.00	-55.96	RMS	34.20	-47.03	0.51	-95.23	51.59	-13.00	-42.96 Horizontal
3	6510.00	-60.24	RMS	35.60	-42.12	0.55	-95.23	40.96	-13.00	-47.24 Horizontal



Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Vertical

Mode : LTE Band 255 20M CH261505 1RB0 QPSK

	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	3255.00	-62.07	RMS	32.82	-49.34	1.00	-95.23	48.68	-13.00	-49.07 Vertical
2	4890.00	-56.62	RMS	34.20	-47.03	0.51	-95.23	50.93	-13.00	-43.62 Vertical
3	6510.00	-60.14	RMS	35.60	-42.12	0.55	-95.23	41.06	-13.00	-47.14 Vertical

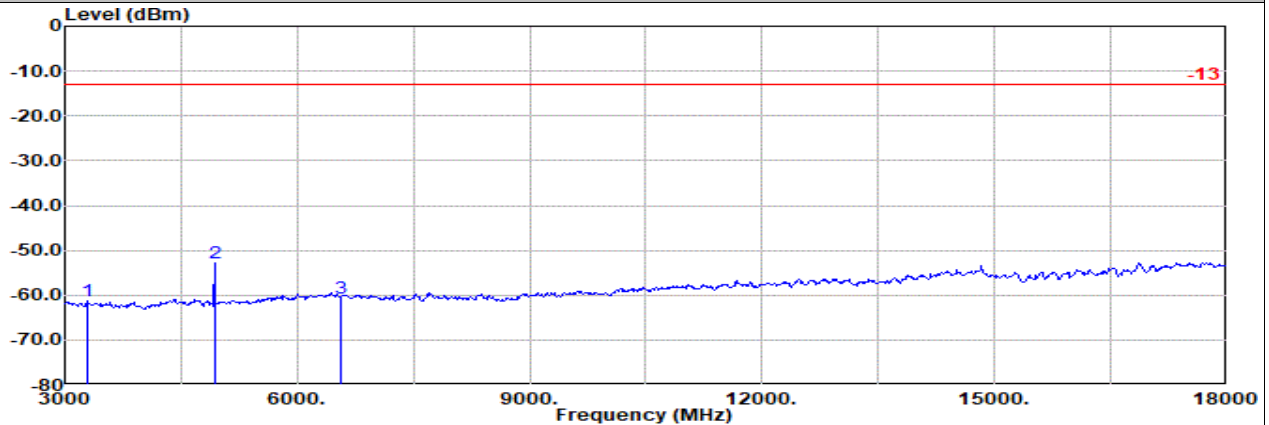


Antenna 4

Part 25 Mode 2

NTN B255 20M Ch261674 1RB0 QPSK

M

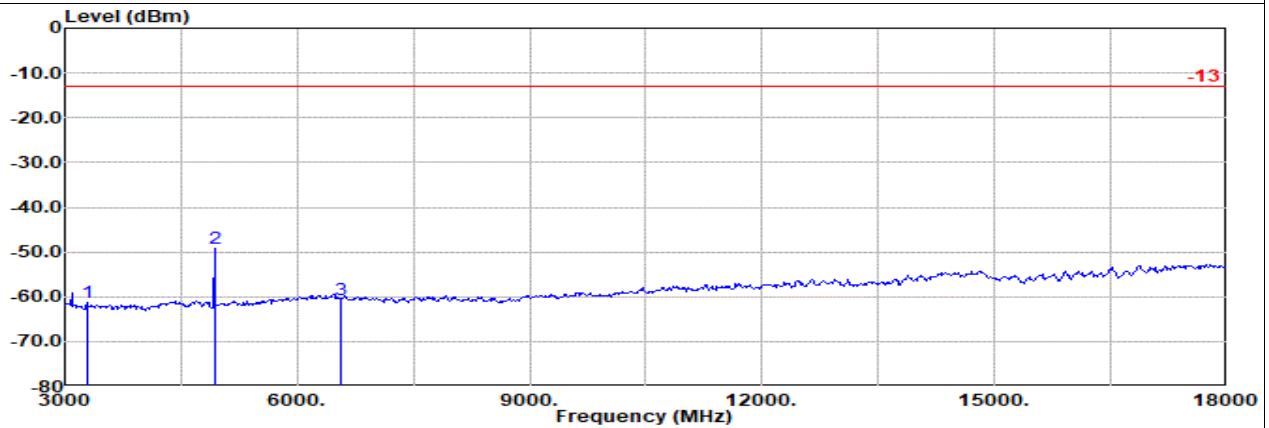


Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Horizontal

Mode : LTE Band 255 20M CH261674 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3285.00	-61.24	RMS	32.94	-49.31	0.99	-95.23	49.37	-13.00	-48.24 Horizontal
2	4935.00	-52.70	RMS	34.27	-46.88	0.50	-95.23	54.64	-13.00	-39.70 Horizontal
3	6570.00	-60.73	RMS	35.56	-42.23	0.62	-95.23	40.55	-13.00	-47.73 Horizontal



Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Vertical

Mode : LTE Band 255 20M CH261674 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	3285.00	-61.14	RMS	32.94	-49.31	0.99	-95.23	49.47	-13.00	-48.14 Vertical
2	4935.00	-49.34	RMS	34.27	-46.88	0.50	-95.23	58.00	-13.00	-36.34 Vertical
3	6570.00	-60.56	RMS	35.56	-42.23	0.62	-95.23	40.72	-13.00	-47.56 Vertical

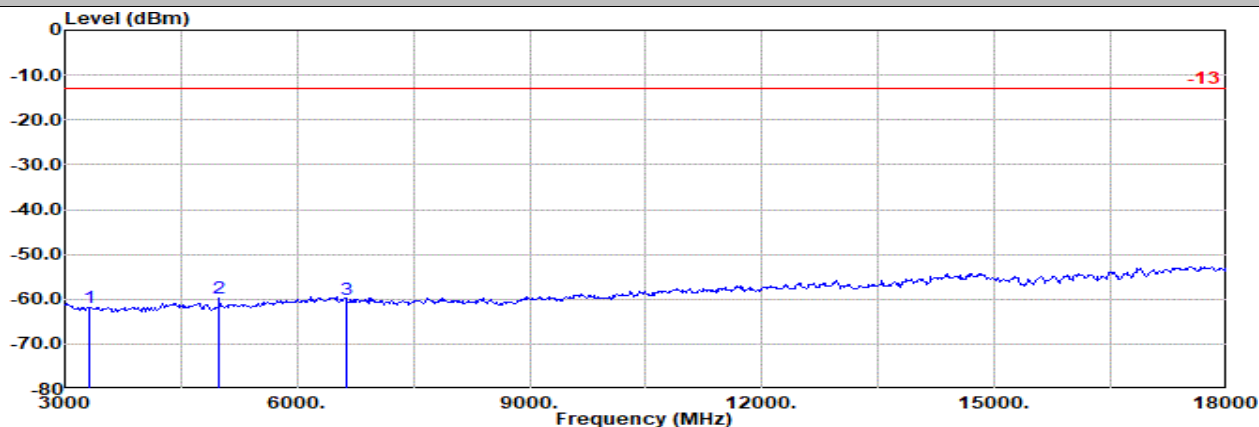


Antenna 4

Part 25 Mode 2

NTN B255 20M Ch261843 1RB0 QPSK

H

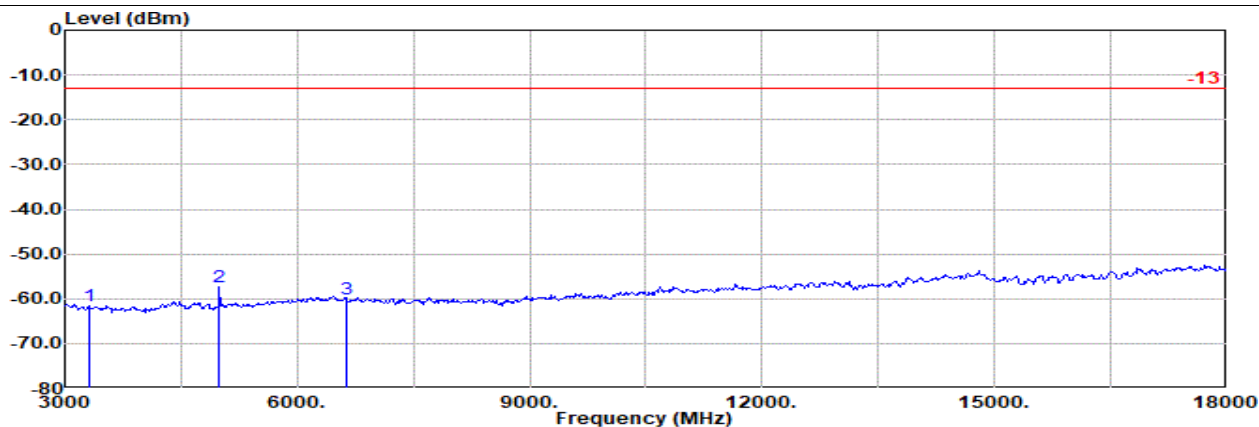


Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Horizontal

Mode : LTE Band 255 20M CH261843 1RB0 QPSK

	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	3315.00	-61.96	RMS	33.00	-49.28	0.99	-95.23	48.56	-13.00	-48.96 Horizontal
2	4995.00	-59.92	RMS	34.39	-46.69	0.50	-95.23	47.11	-13.00	-46.92 Horizontal
3	6645.00	-60.06	RMS	35.59	-42.39	0.68	-95.23	41.29	-13.00	-47.06 Horizontal



Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Vertical

Mode : LTE Band 255 20M CH261843 1RB0 QPSK

	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	3315.00	-61.72	RMS	33.00	-49.28	0.99	-95.23	48.80	-13.00	-48.72 Vertical
2	4995.00	-57.23	RMS	34.39	-46.69	0.50	-95.23	49.80	-13.00	-44.23 Vertical
3	6645.00	-60.10	RMS	35.59	-42.39	0.68	-95.23	41.25	-13.00	-47.10 Vertical

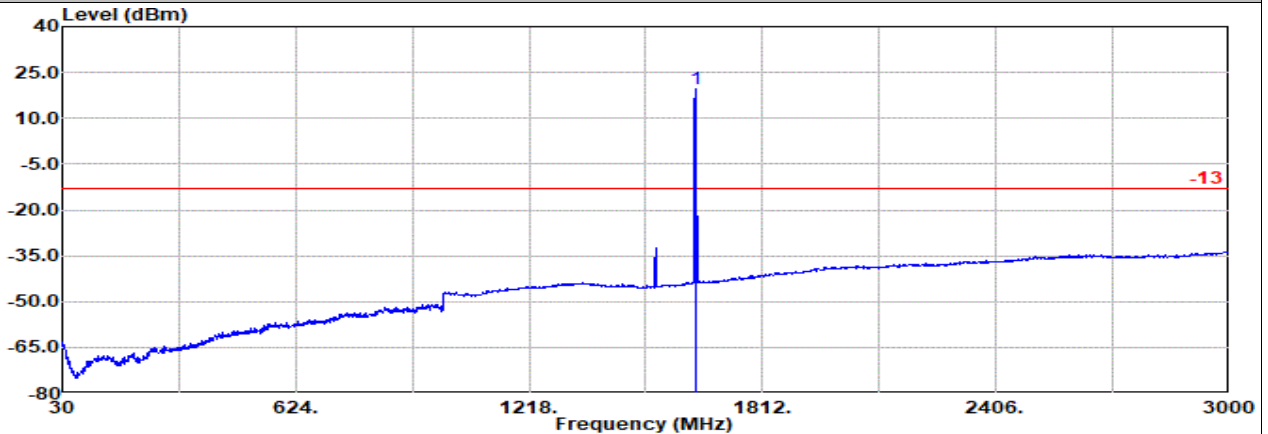


Antenna 4

Part 25 Mode 2

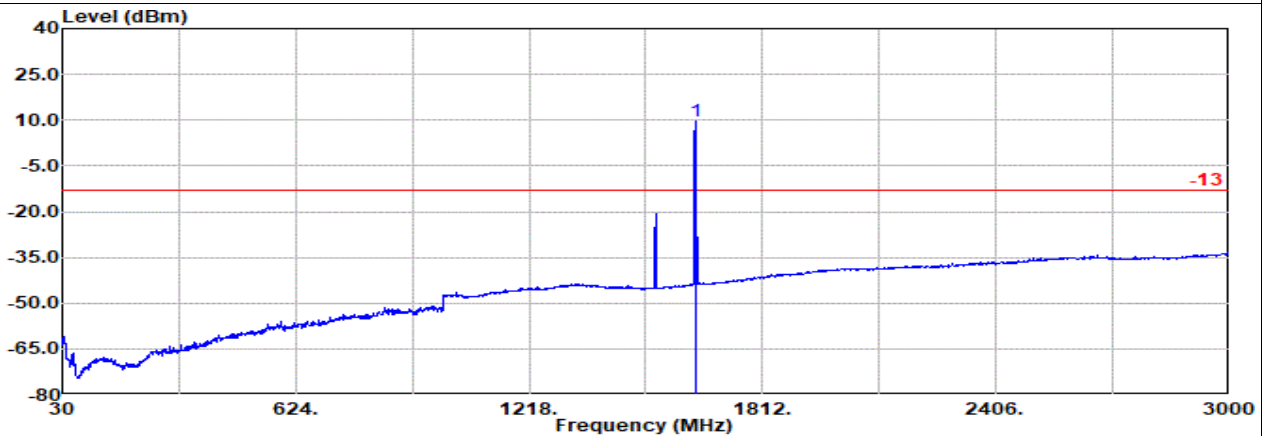
NTN B255 20M Ch261674 1RB0 QPSK

M



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : LTE Band 255 20M CH261674 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	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	1640.80	19.58	RMS	28.61	7.04	0.00	-95.23	79.16	-13.00	32.58	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : LTE Band 255 20M CH261674 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1640.80	9.80	RMS	28.61	7.04	0.00	-95.23	69.38	-13.00	22.80	Vertical

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