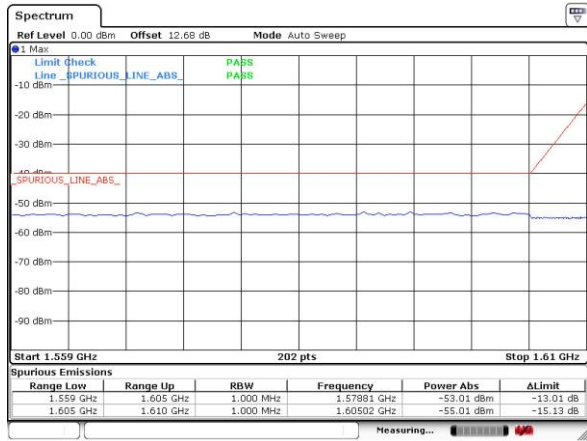




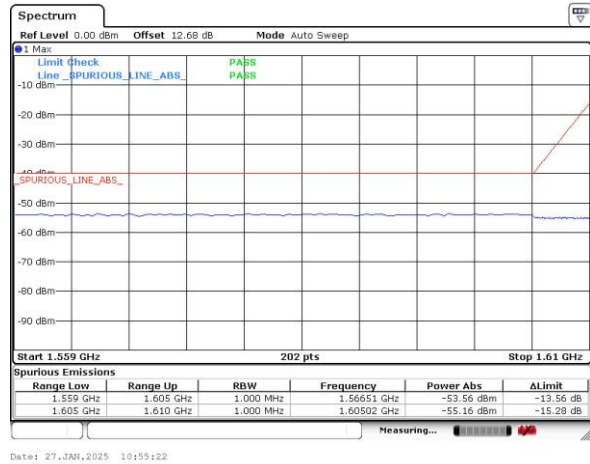
Band 255 SCS 3.75kHz

QPSK

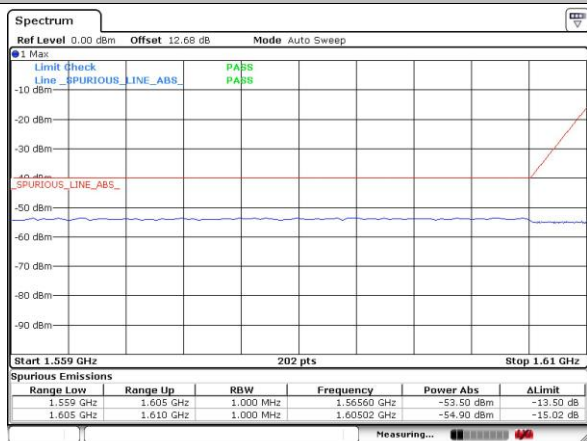
Lowest Channel / 1SC0 Broadband



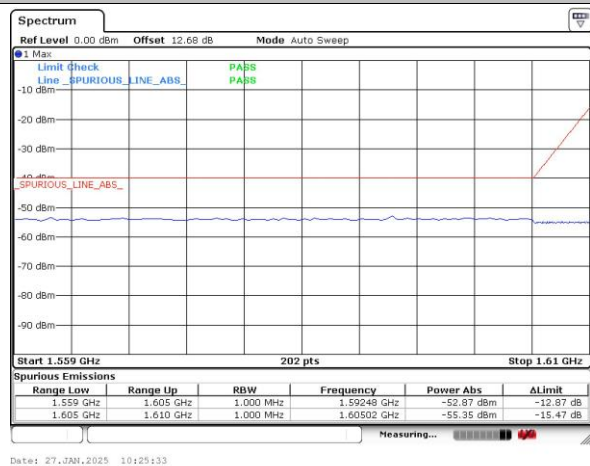
Lowest Channel / 1SC47 Broadband



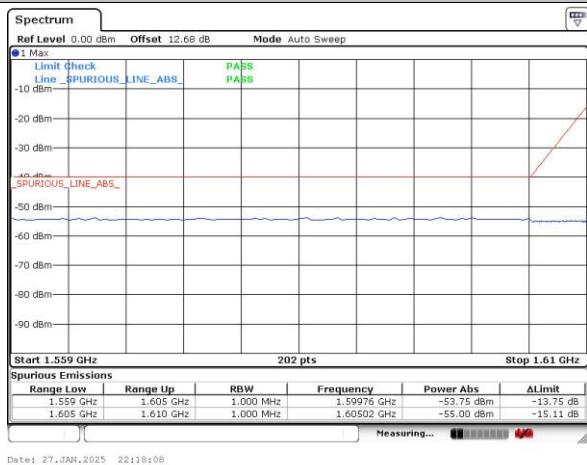
Middle Channel / 1SC0 Broadband



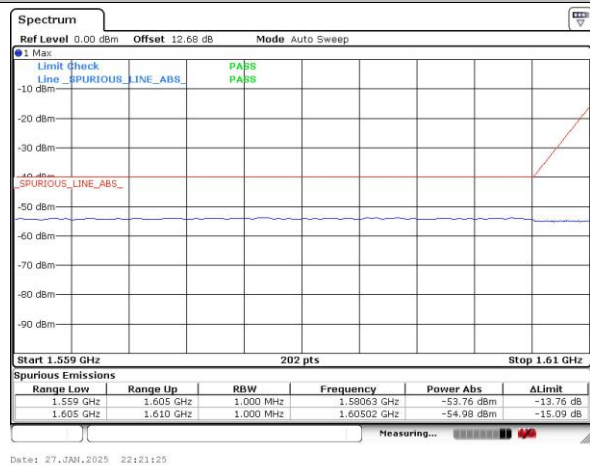
Middle Channel / 1SC47 Broadband



Highest Channel / 1SC0 Broadband

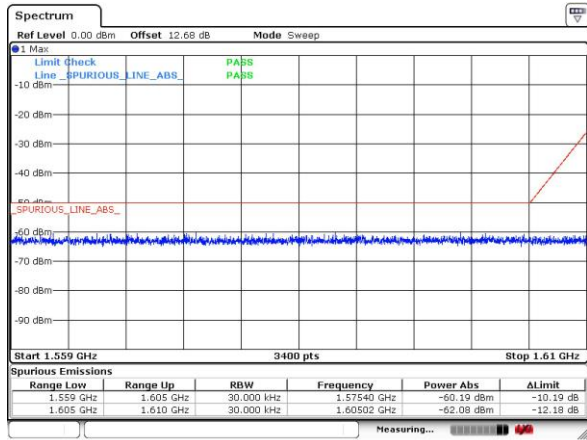


Highest Channel / 1SC47 Broadband



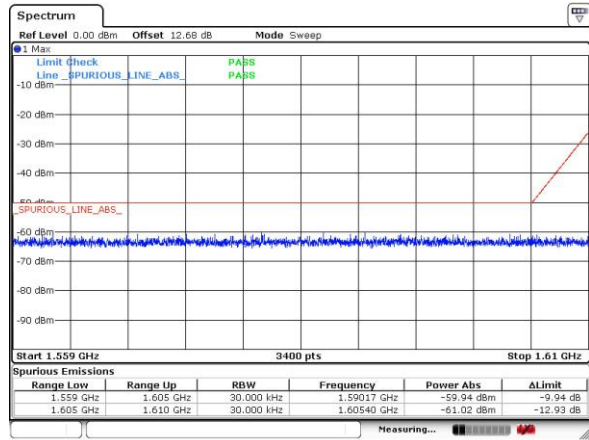


Lowest Channel / 1SC0 Discrete



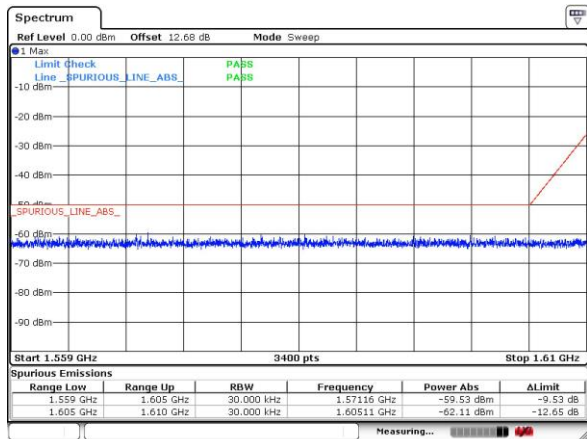
Date: 27_JAN,2025 21:44:58

Lowest Channel / 1SC47 Discrete



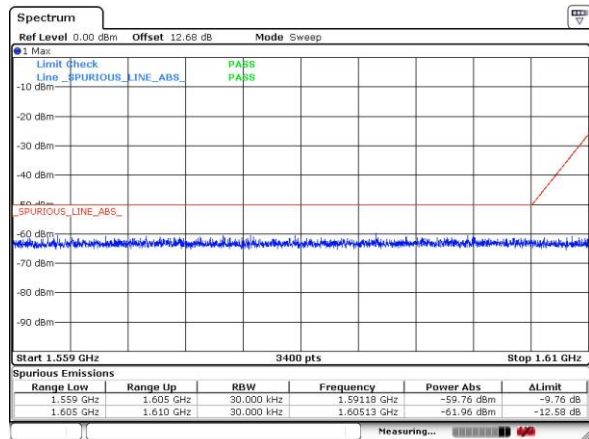
Date: 27_JAN,2025 21:47:03

Middle Channel / 1SC0 Discrete



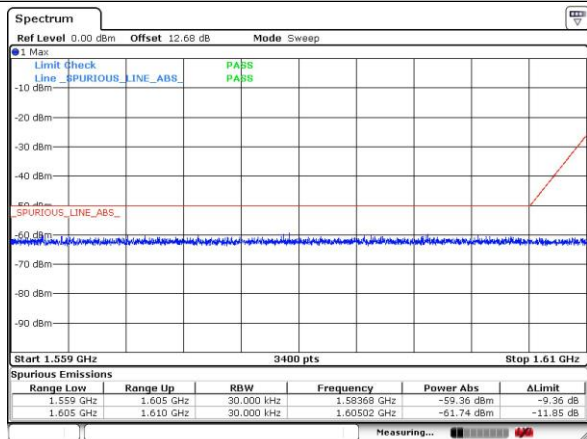
Date: 27_JAN,2025 22:02:14

Middle Channel / 1SC47 Discrete



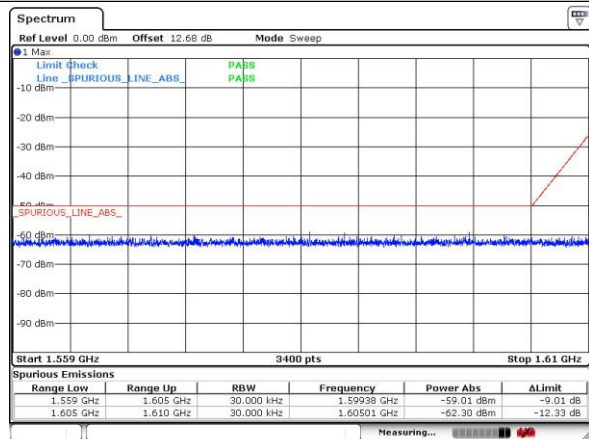
Date: 27_JAN,2025 22:04:14

Highest Channel / 1SC0 Discrete



Date: 27_JAN,2025 22:38:35

Highest Channel / 1SC47 Discrete



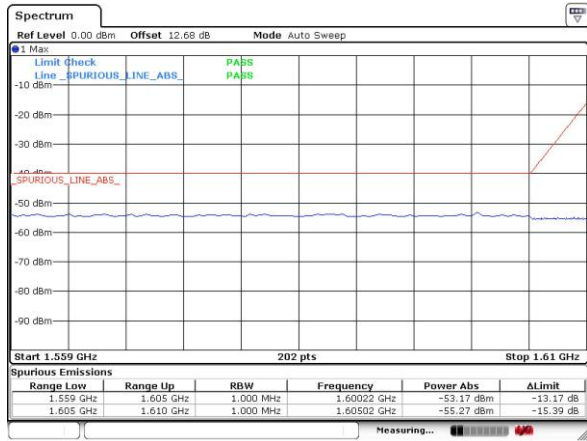
Date: 27_JAN,2025 22:42:10



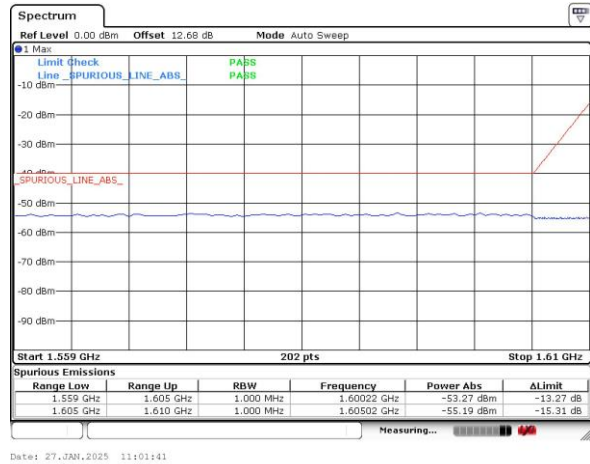
Band 255 SCS 15kHz

BPSK

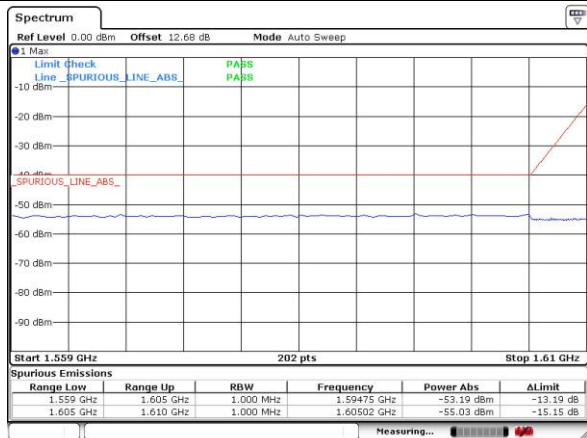
Lowest Channel / 1SC0 Broadband



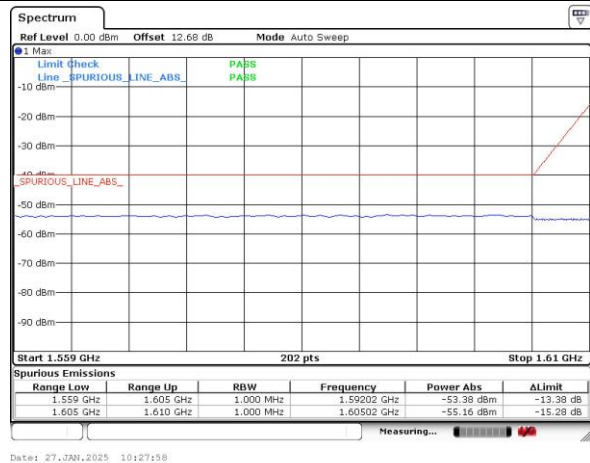
Lowest Channel / 1SC11 Broadband



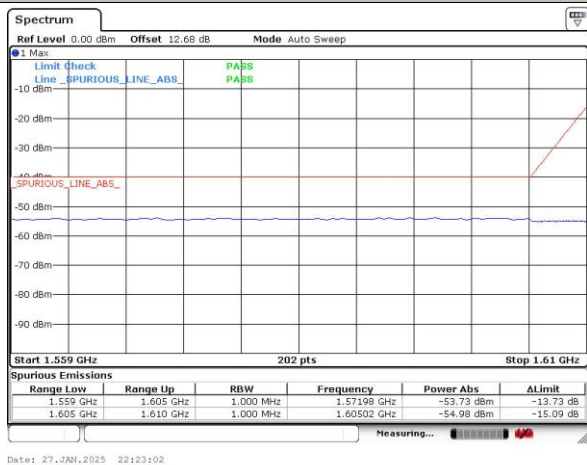
Middle Channel / 1SC0 Broadband



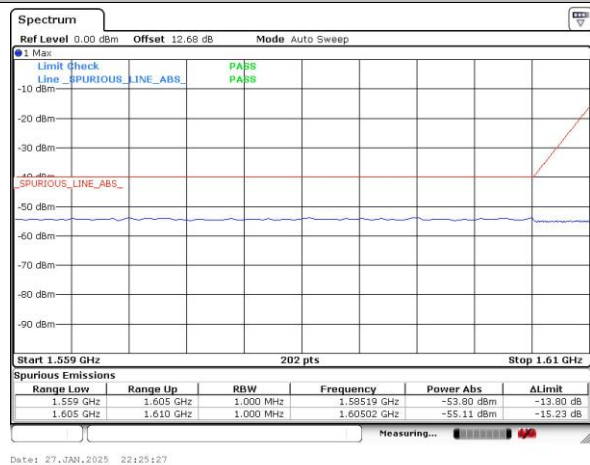
Middle Channel / 1SC11 Broadband



Highest Channel / 1SC0 Broadband

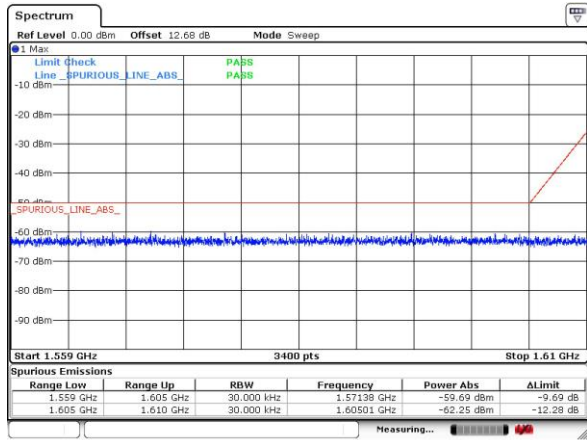


Highest Channel / 1SC11 Broadband



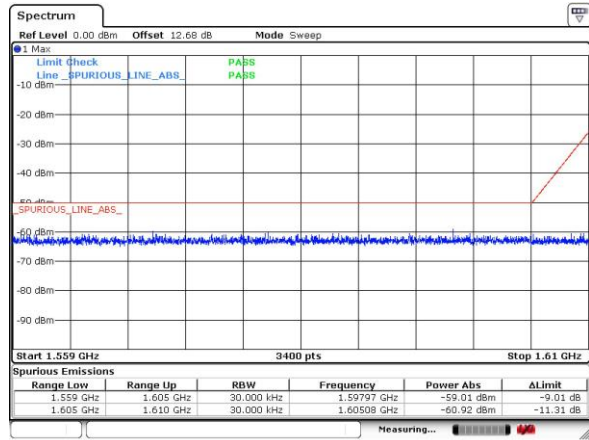


Lowest Channel / 1SC0 Discrete



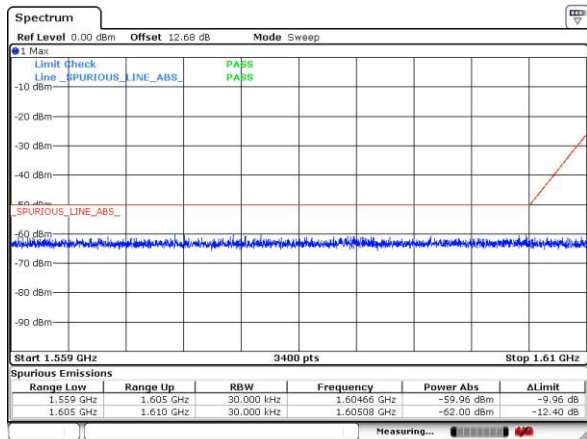
Date: 27_JAN,2025 21:48:04

Lowest Channel / 1SC11 Discrete



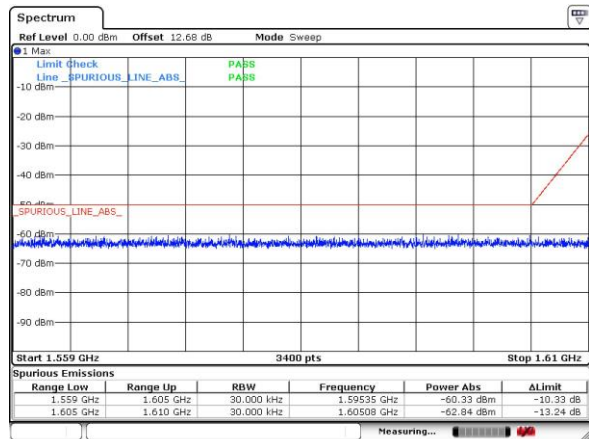
Date: 27_JAN,2025 21:50:35

Middle Channel / 1SC0 Discrete



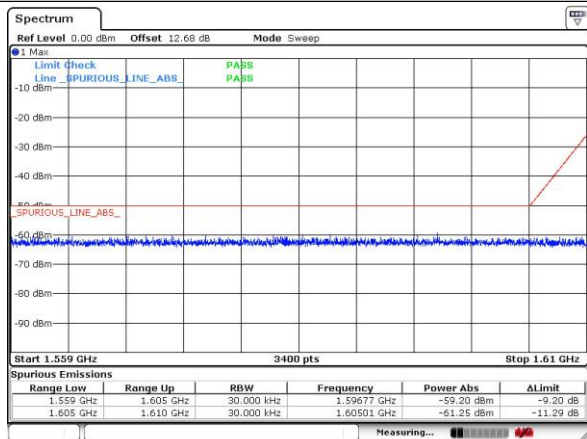
Date: 27_JAN,2025 22:05:09

Middle Channel / 1SC11 Discrete



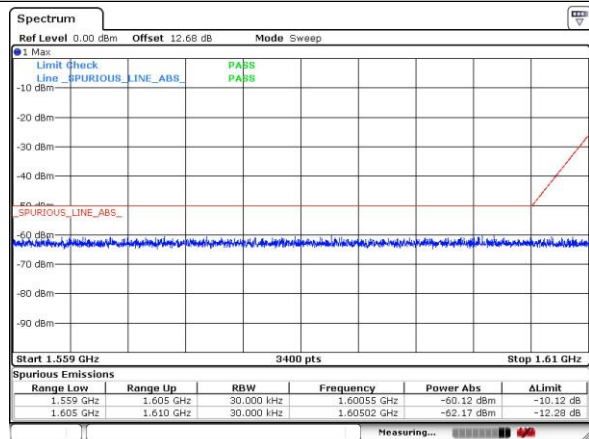
Date: 27_JAN,2025 22:07:27

Highest Channel / 1SC0 Discrete



Date: 27_JAN,2025 22:44:03

Highest Channel / 1SC11 Discrete



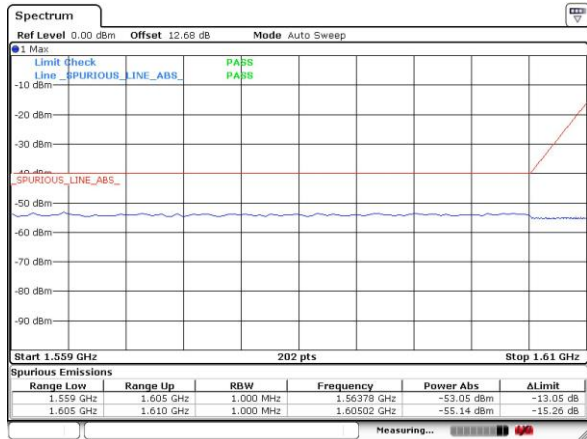
Date: 27_JAN,2025 22:47:02



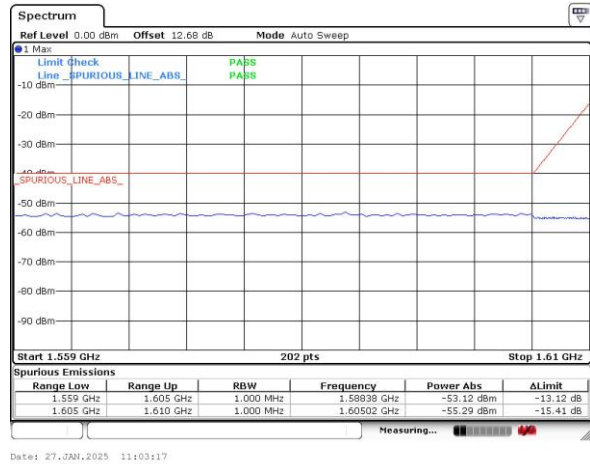
Band 255 SCS 15kHz

QPSK

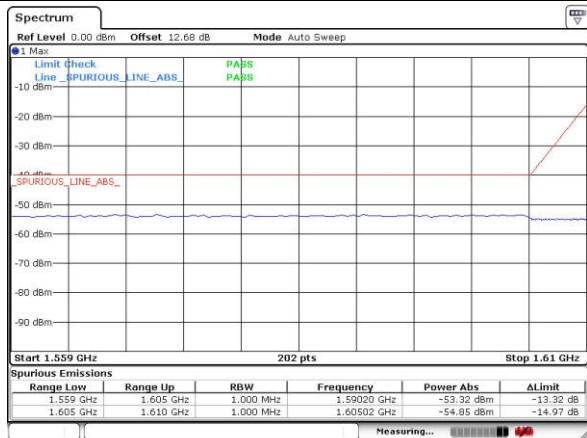
Lowest Channel / 1SC0 Broadband



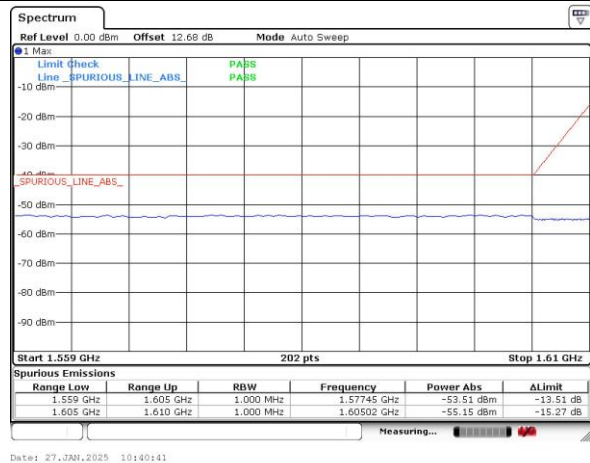
Lowest Channel / 1SC11 Broadband



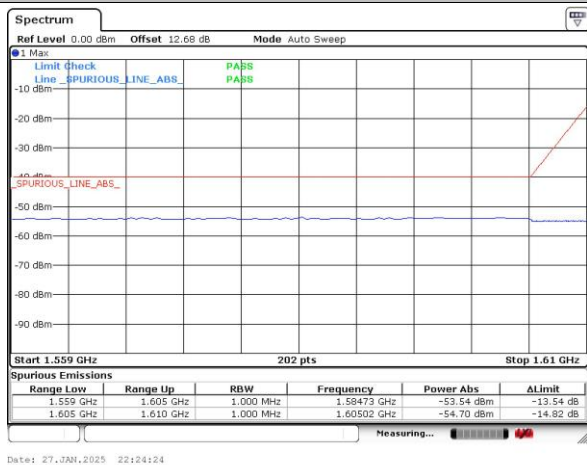
Middle Channel / 1SC0 Broadband



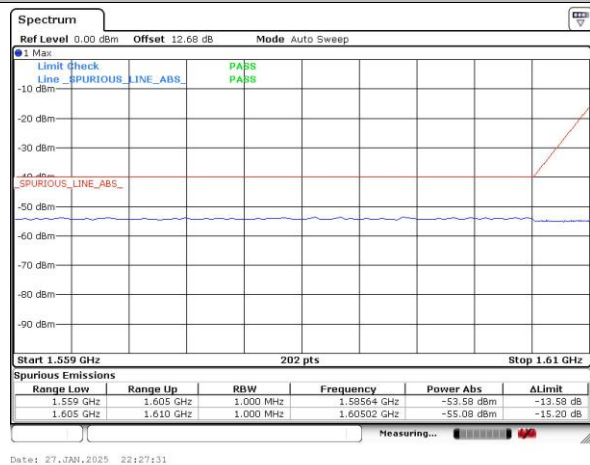
Middle Channel / 1SC11 Broadband



Highest Channel / 1SC0 Broadband

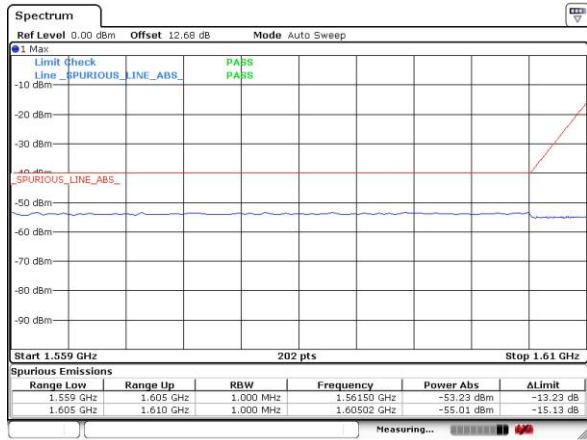


Highest Channel / 1SC11 Broadband



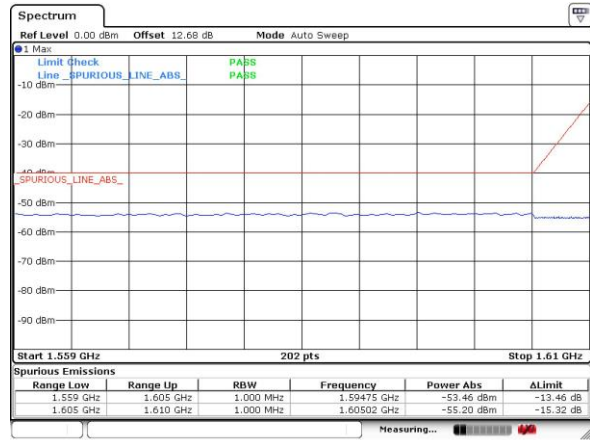


Lowest Channel / 3SC0 Broadband



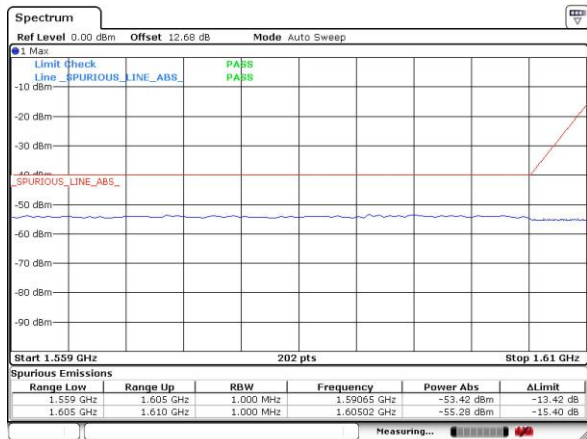
Date: 27.JAN.2025 11:04:31

Lowest Channel / 3SC9 Broadband



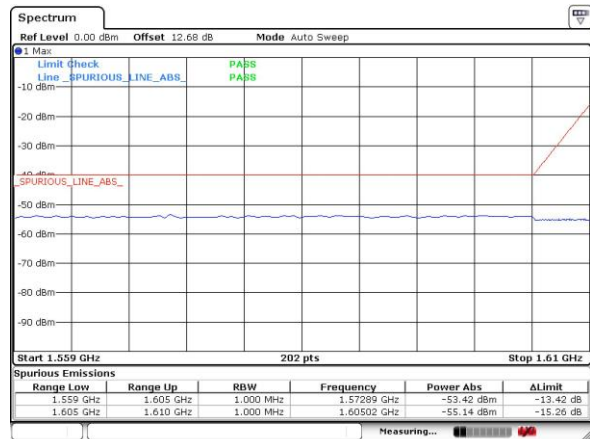
Date: 27.JAN.2025 11:05:26

Middle Channel / 3SC0 Broadband



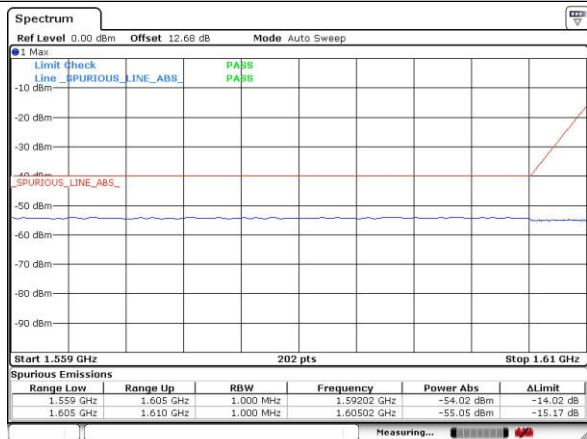
Date: 27.JAN.2025 10:48:04

Middle Channel / 3SC9 Broadband



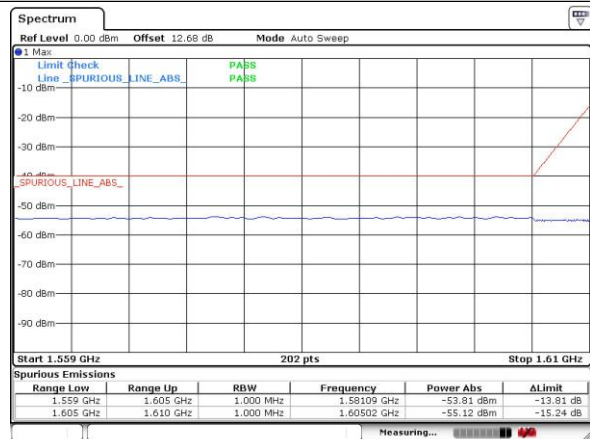
Date: 27.JAN.2025 10:48:52

Highest Channel / 3SC0 Broadband



Date: 27.JAN.2025 22:29:01

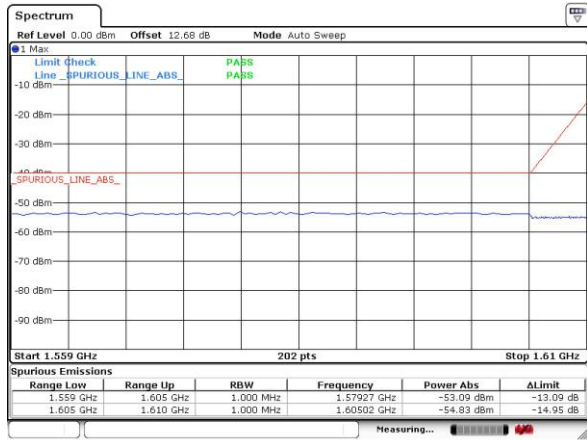
Highest Channel / 3SC9 Broadband



Date: 27.JAN.2025 22:30:34

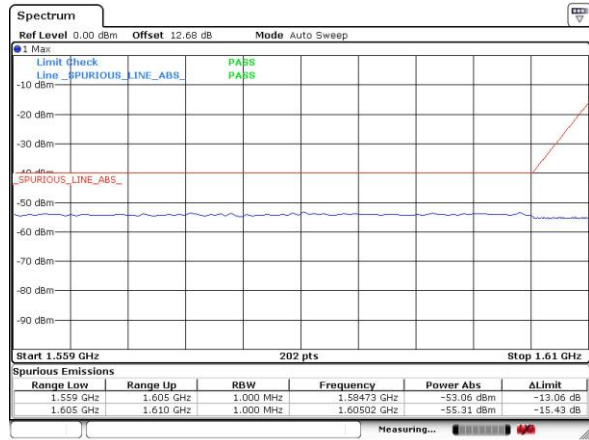


Lowest Channel / 6SC0 Broadband



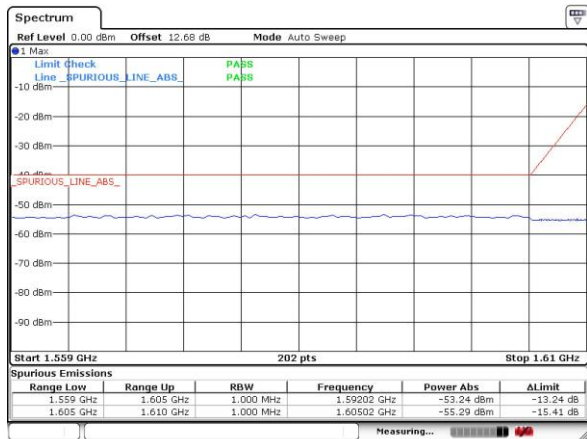
Date: 27, JAN, 2025 11:06:52

Lowest Channel / 6SC6 Broadband



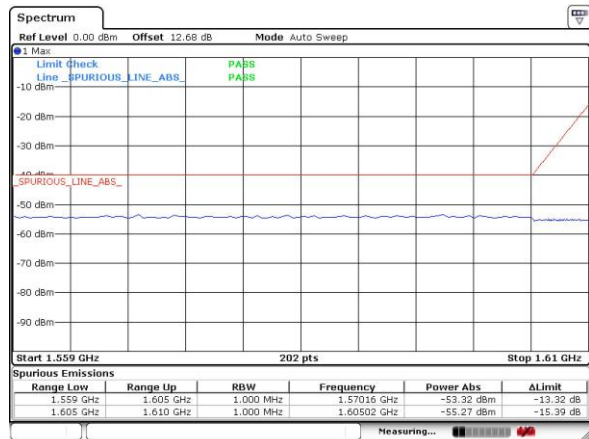
Date: 27, JAN, 2025 11:07:43

Middle Channel / 6SC0 Broadband



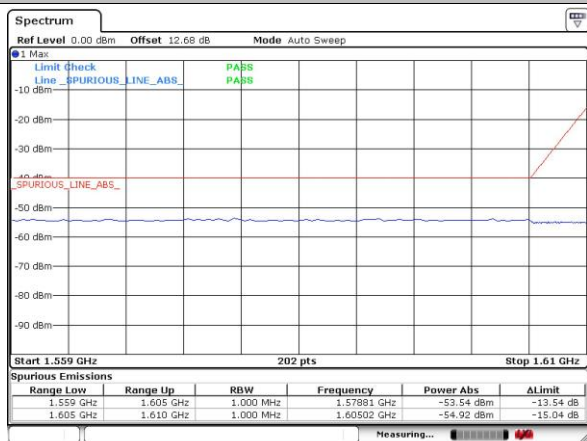
Date: 27, JAN, 2025 10:49:31

Middle Channel / 6SC6 Broadband



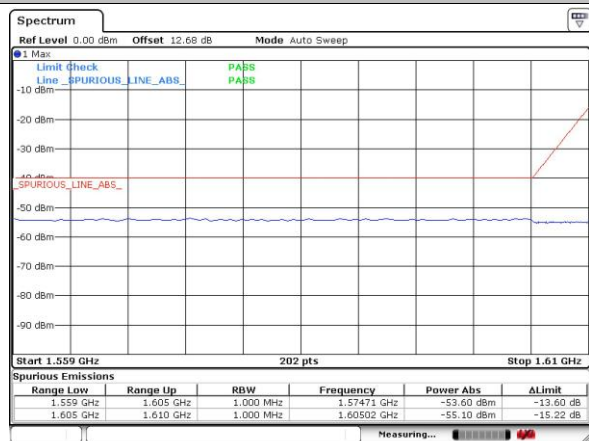
Date: 27, JAN, 2025 10:49:57

Highest Channel / 6SC0 Broadband



Date: 27, JAN, 2025 22:31:56

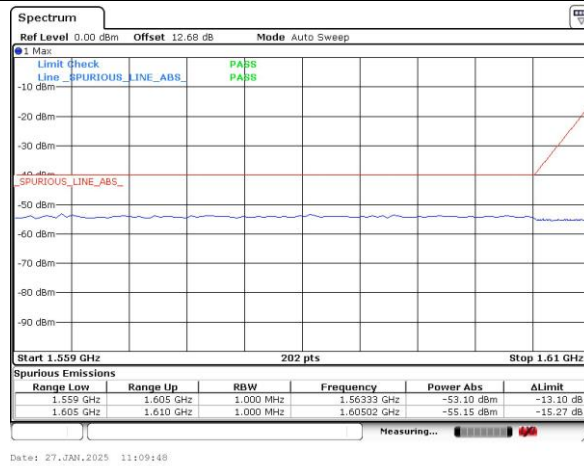
Highest Channel / 6SC6 Broadband



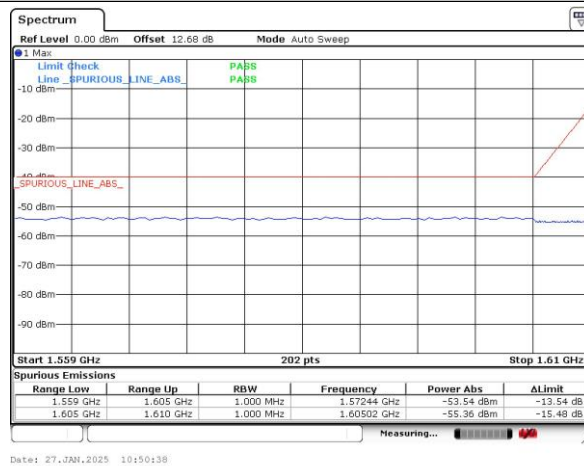
Date: 27, JAN, 2025 22:33:50



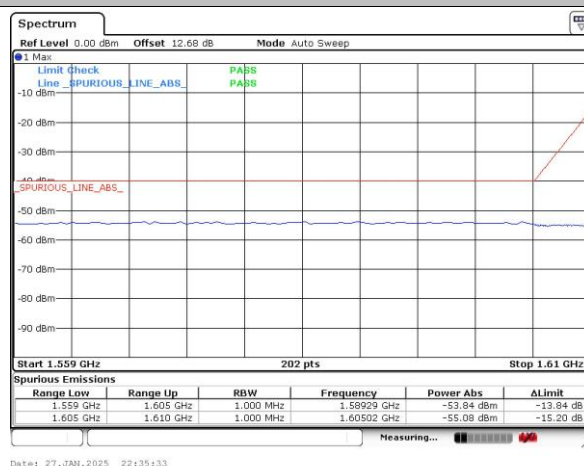
Lowest Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband

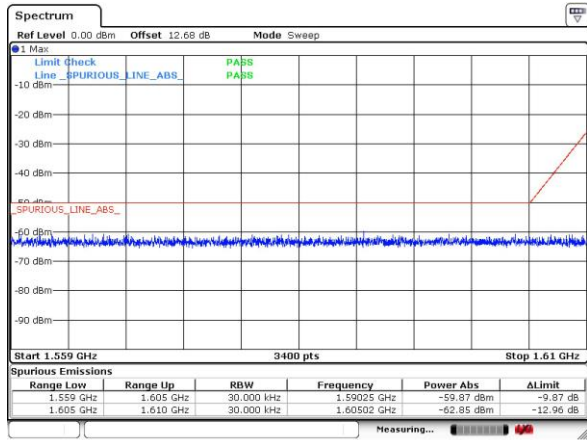


Highest Channel / 12SC0 Broadband



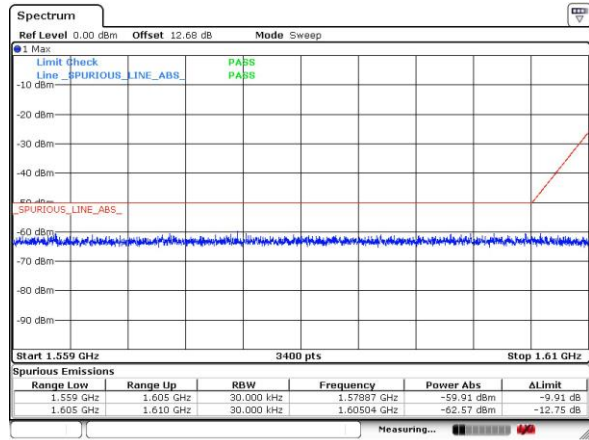


Lowest Channel / 1SC0 Discrete



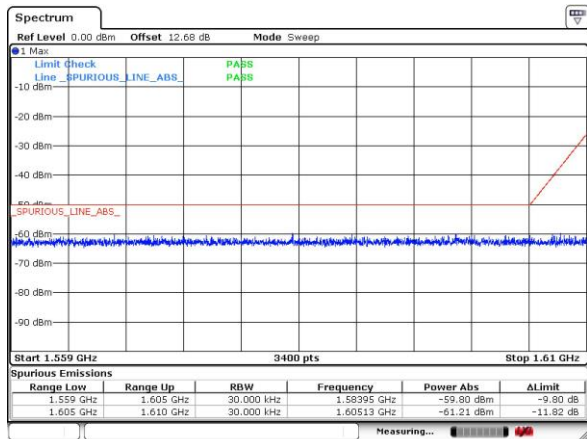
Date: 27.JAN.2025 21:49:13

Lowest Channel / 1SC11 Discrete



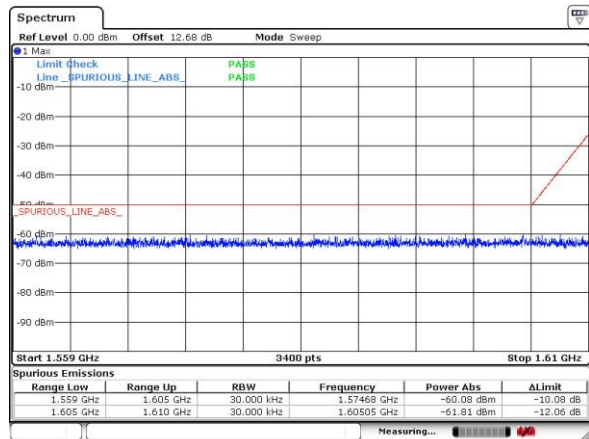
Date: 27.JAN.2025 21:51:39

Middle Channel / 1SC0 Discrete



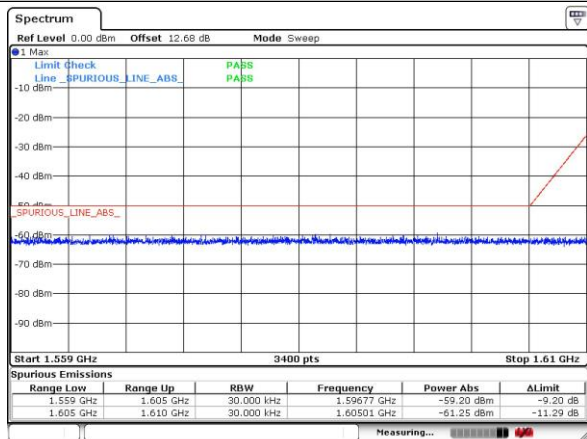
Date: 27.JAN.2025 22:06:29

Middle Channel / 1SC11 Discrete



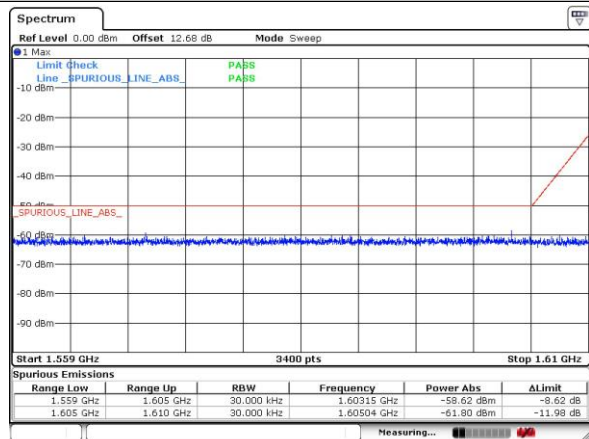
Date: 27.JAN.2025 22:08:33

Highest Channel / 1SC0 Discrete



Date: 27.JAN.2025 22:45:40

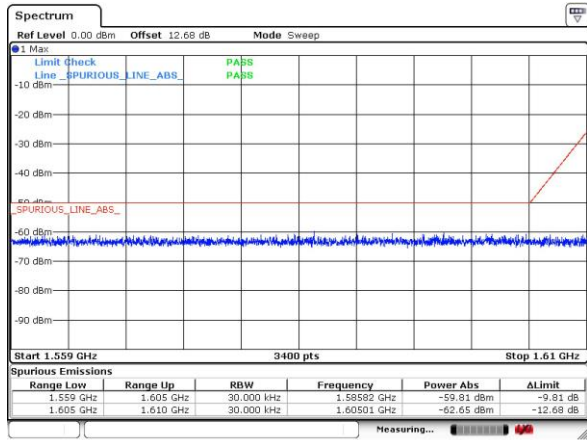
Highest Channel / 1SC11 Discrete



Date: 27.JAN.2025 22:48:17

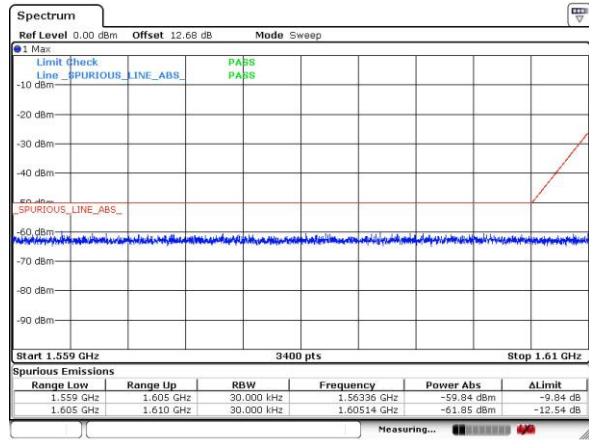


Lowest Channel / 3SC0 Discrete



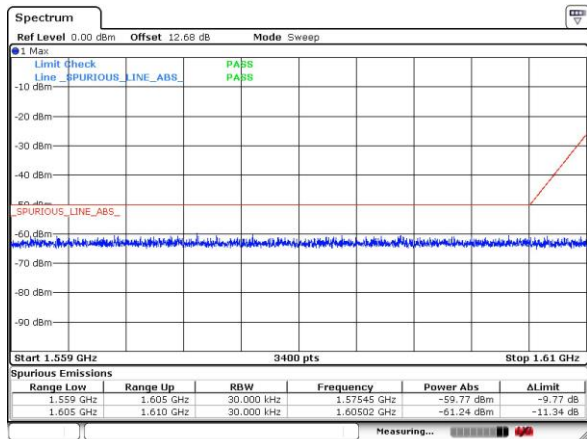
Date: 27_JAN,2025 21:52:47

Lowest Channel / 3SC9 Discrete



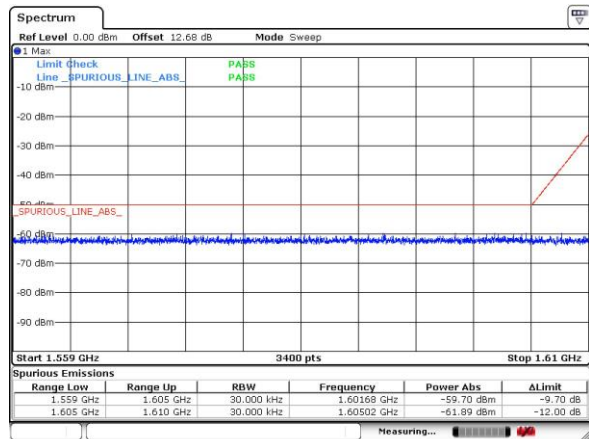
Date: 27_JAN,2025 21:54:16

Middle Channel / 3SC0 Discrete



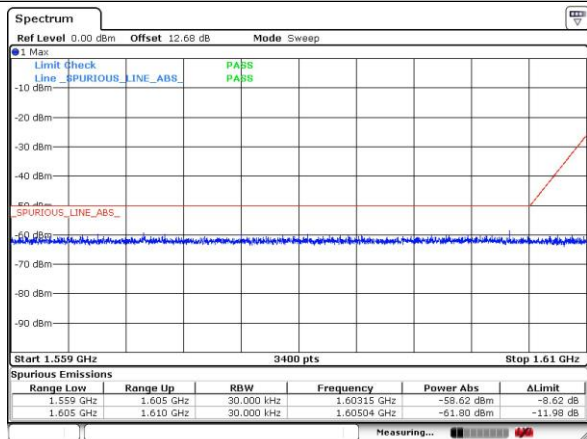
Date: 27_JAN,2025 22:09:34

Middle Channel / 3SC9 Discrete



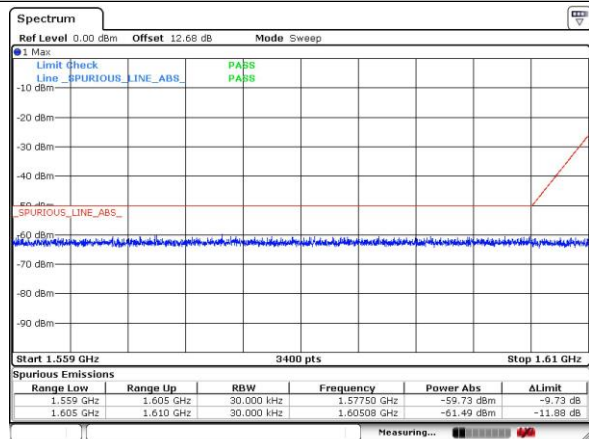
Date: 27_JAN,2025 22:12:11

Highest Channel / 3SC0 Discrete



Date: 27_JAN,2025 22:49:45

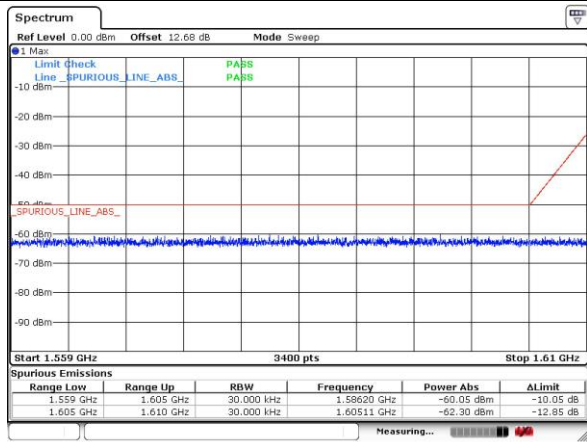
Highest Channel / 3SC9 Discrete



Date: 27_JAN,2025 22:51:34

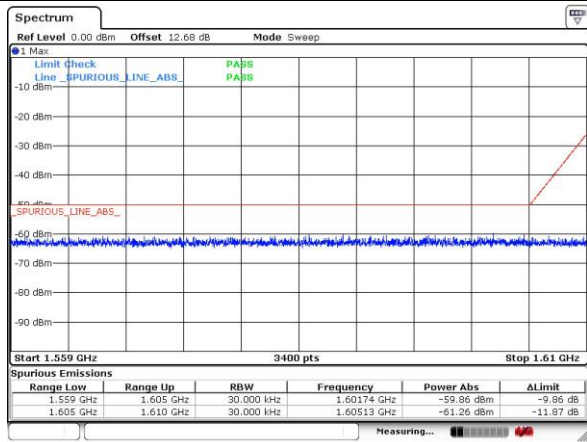


Lowest Channel / 6SC0 Discrete



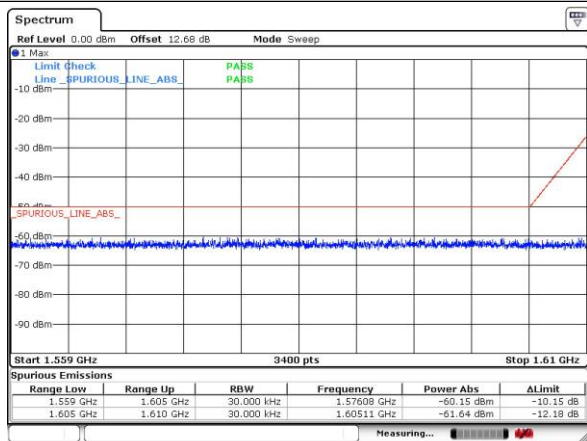
Date: 27.JAN.2025 21:55:37

Lowest Channel / 6SC6 Discrete



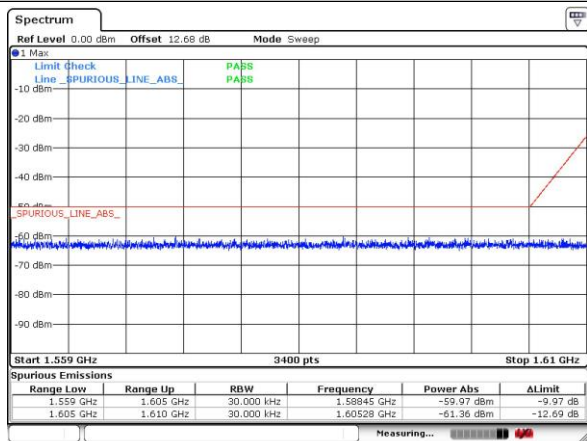
Date: 27.JAN.2025 21:56:59

Middle Channel / 6SC0 Discrete



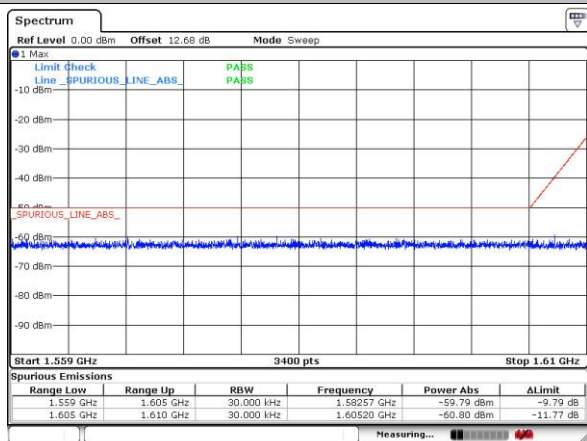
Date: 27.JAN.2025 22:13:23

Middle Channel / 6SC6 Discrete



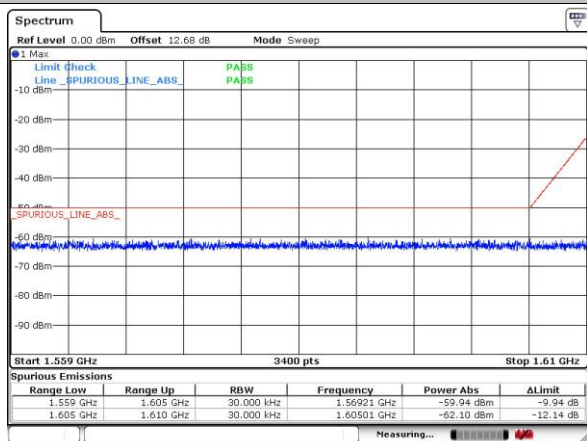
Date: 27.JAN.2025 22:14:26

Highest Channel / 6SC0 Discrete



Date: 27.JAN.2025 22:53:06

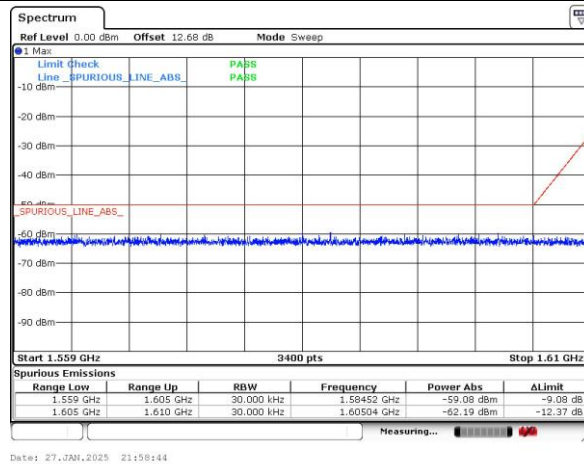
Highest Channel / 6SC6 Discrete



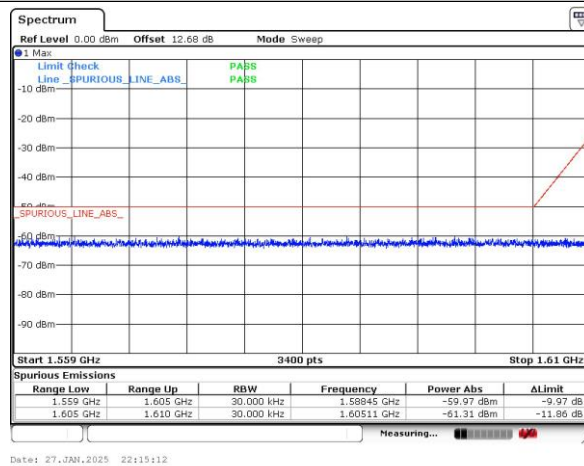
Date: 27.JAN.2025 22:54:19



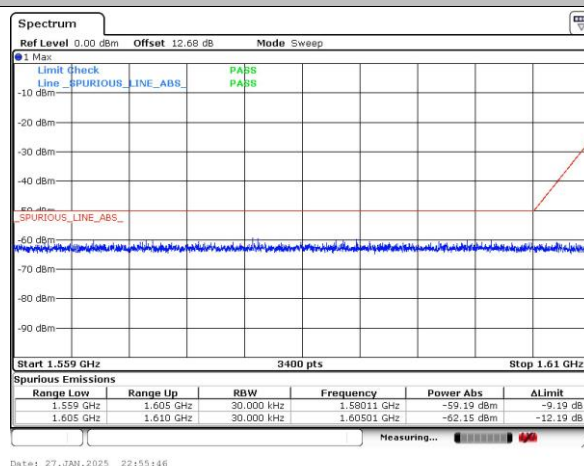
Lowest Channel / 12SC0 Discrete



Middle Channel / 12SC0 Discrete



Highest Channel / 12SC0 Discrete



Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0080	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0078	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0078	

Note:

1. Normal Voltage = 3.9V. ; Battery End Point (BEP) = 3.6V. ; 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	H	6060	-60.14	RMS	35.42	-42.70	0.46	-95.23	41.91	-13.00	-47.14	V	1
2	Part 25	NTN B255	L	4890	-44.42	RMS	34.20	-47.03	0.51	-95.23	63.13	-13.00	-31.42	V	4

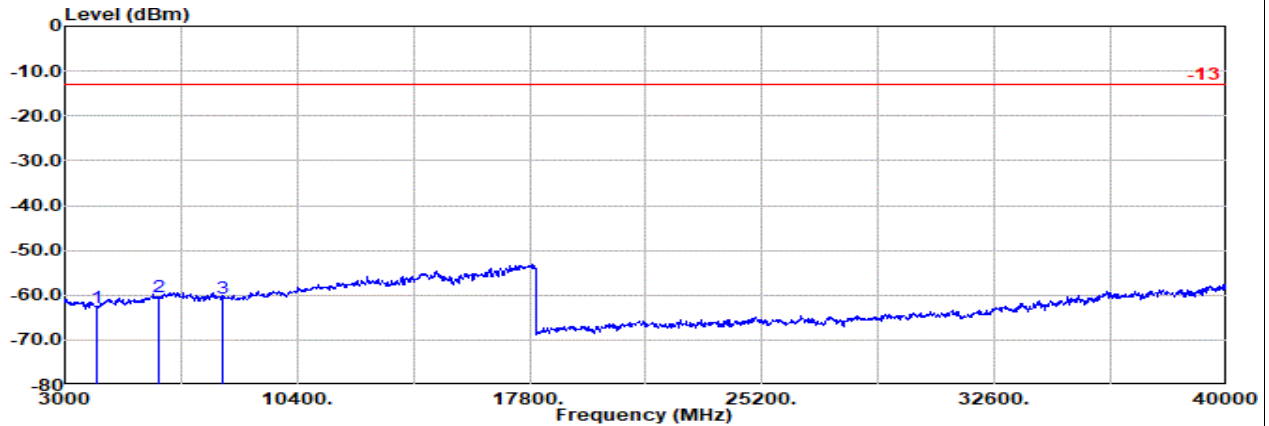


Ant. 1

Part 25 Mode 1

NTN B23 20M Ch25501 1RB0 QPSK

L

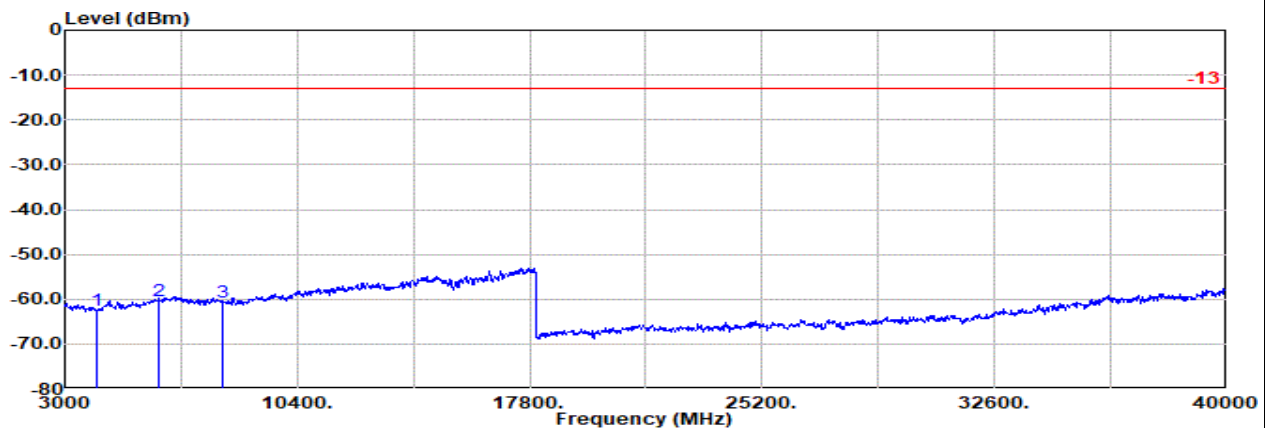


Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Horizontal

Mode : LTE Band 23 20M CH25501 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit		Margin	Pol
				Factor	1	EIRPCF						
1	4000.00	-62.84	RMS	33.40	-49.14	0.63	-95.23	0.00	-13.00	-49.84	Horizontal	
2	6000.00	-60.42	RMS	35.30	-42.80	0.48	-95.23	41.83	-13.00	-47.42	Horizontal	
3	8000.00	-60.82	RMS	36.10	-42.43	0.31	-95.23	40.43	-13.00	-47.82	Horizontal	



Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Vertical

Mode : LTE Band 23 20M CH25501 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit		Margin	Pol
				Factor	1	EIRPCF						
1	4000.00	-62.57	RMS	33.40	-49.14	0.63	-95.23	47.77	-13.00	-49.57	Vertical	
2	6000.00	-60.27	RMS	35.30	-42.80	0.48	-95.23	41.98	-13.00	-47.27	Vertical	
3	8000.00	-60.78	RMS	36.10	-42.43	0.31	-95.23	40.47	-13.00	-47.78	Vertical	

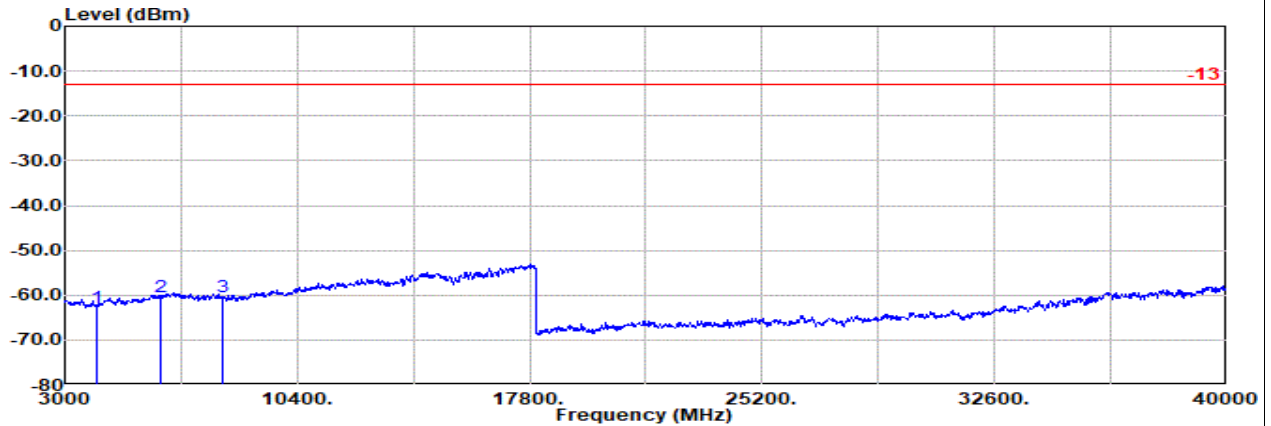


Ant. 1

Part 25 Mode 1

NTN B23 20M Ch25600 1RB0 QPSK

M

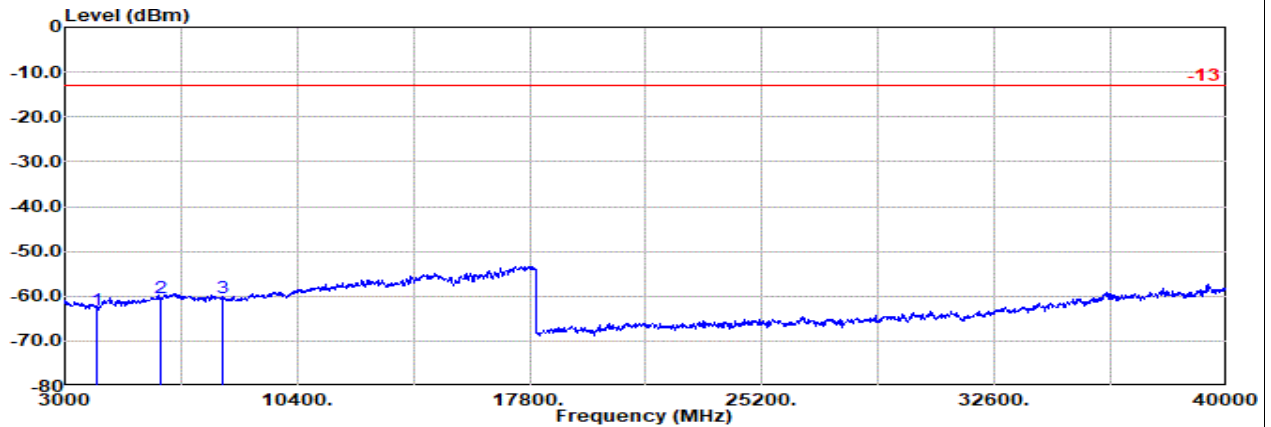


Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Horizontal

Mode : LTE Band 23 20M CH25600 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit	Margin	Pol
				Factor	1	EIRPCF					
1	4020.00	-62.88	RMS	33.40	-49.11	0.65	-95.23	47.41	-13.00	-49.88	Horizontal
2	6030.00	-60.43	RMS	35.36	-42.75	0.47	-95.23	41.72	-13.00	-47.43	Horizontal
3	8040.00	-60.44	RMS	36.02	-42.40	0.36	-95.23	40.81	-13.00	-47.44	Horizontal



Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Vertical

Mode : LTE Band 23 20M CH25600 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit	Margin	Pol
				Factor	1	EIRPCF					
1	4020.00	-63.00	RMS	33.40	-49.11	0.65	-95.23	47.29	-13.00	-50.00	Vertical
2	6030.00	-60.36	RMS	35.36	-42.75	0.47	-95.23	41.79	-13.00	-47.36	Vertical
3	8040.00	-60.37	RMS	36.02	-42.40	0.36	-95.23	40.88	-13.00	-47.37	Vertical

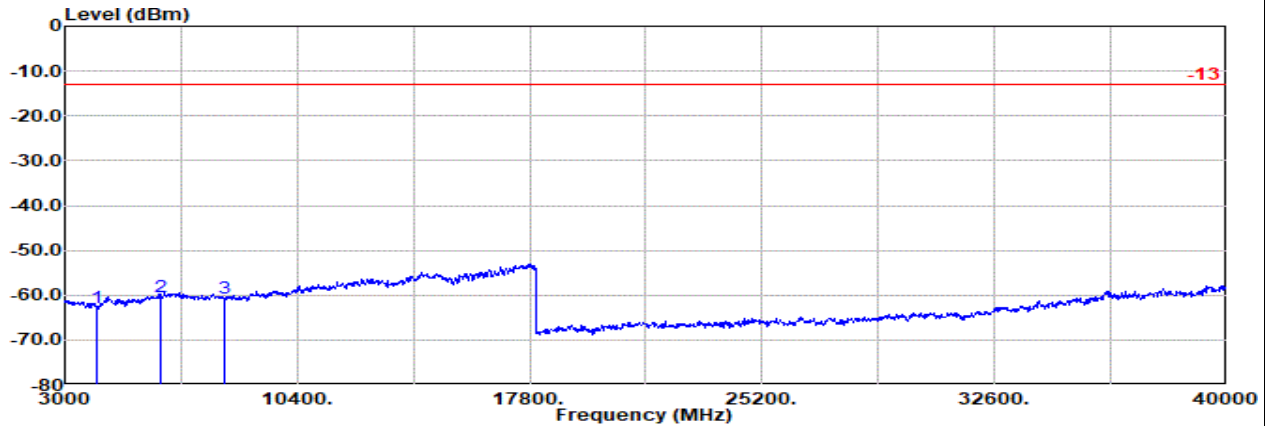


Ant. 1

Part 25 Mode 1

NTN B23 20M Ch25699 1RB0 QPSK

H

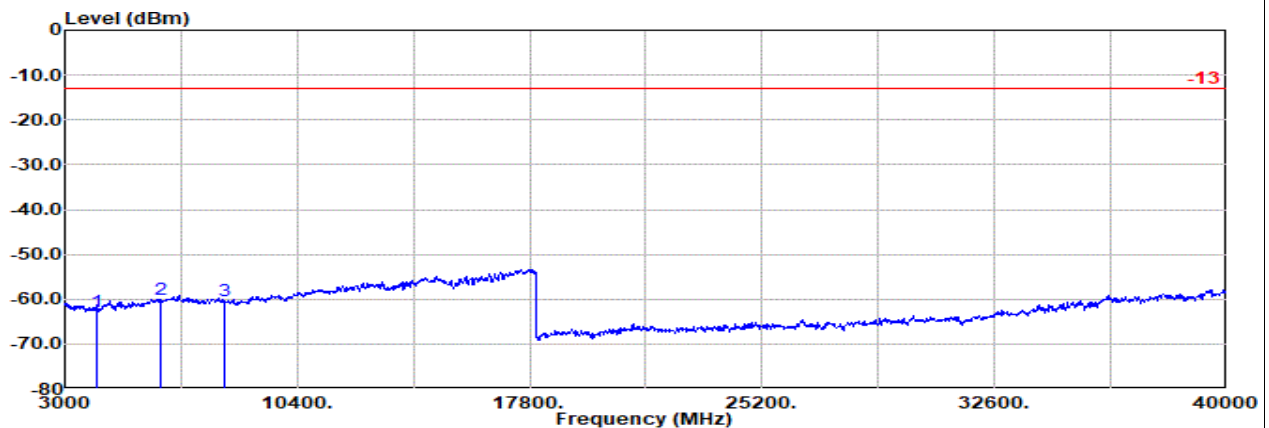


Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Horizontal

Mode : LTE Band 23 20M CH25699 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4040.00	-62.90	RMS	33.40	-49.08	0.67	-95.23	47.34	-13.00	-49.90	Horizontal
2	6060.00	-60.37	RMS	35.42	-42.70	0.46	-95.23	41.68	-13.00	-47.37	Horizontal
3	8080.00	-60.64	RMS	35.94	-42.38	0.40	-95.23	40.63	-13.00	-47.64	Horizontal

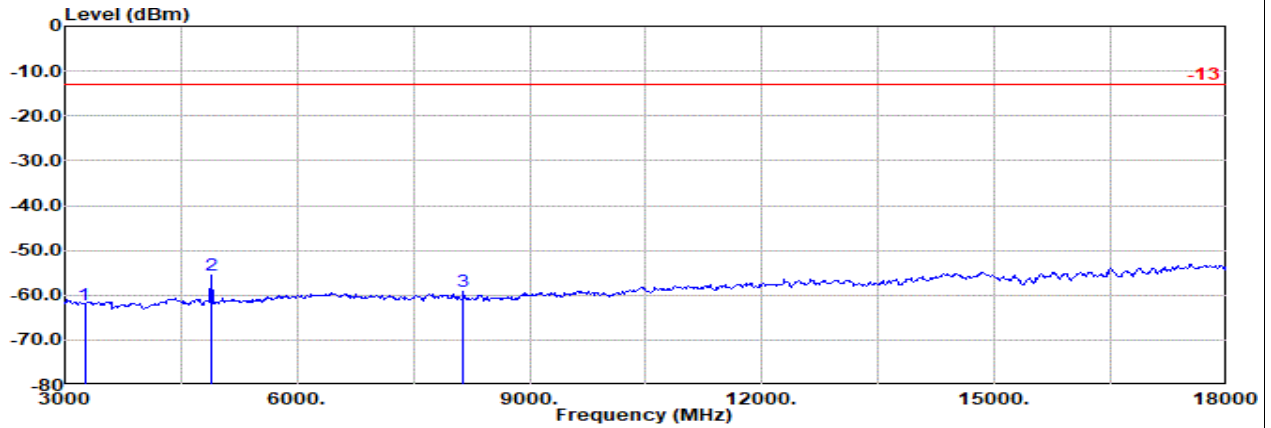


Site : 03CH07-HY

Condition: -13 1m SHF-EHF_9170991 Vertical

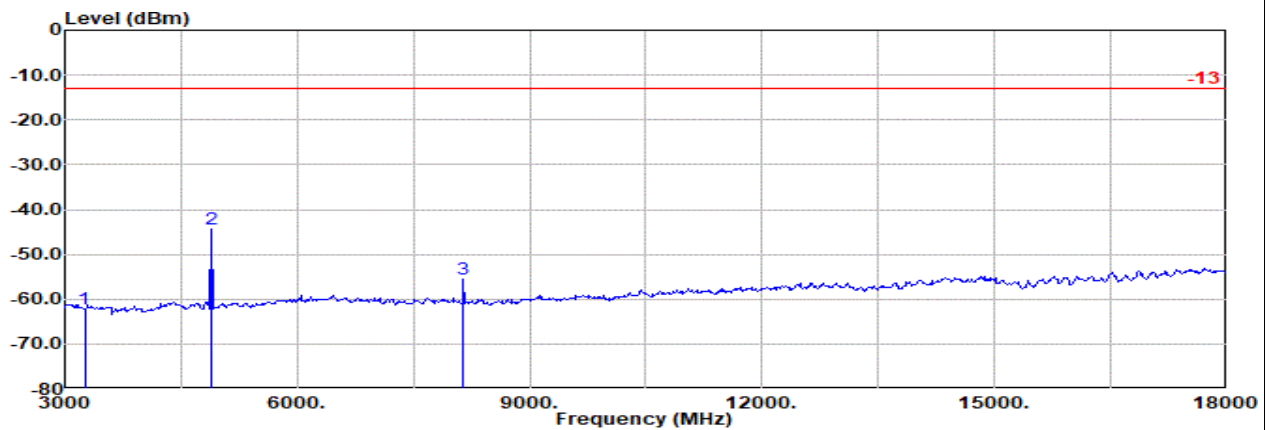
Mode : LTE Band 23 20M CH25699 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4040.00	-62.86	RMS	33.40	-49.08	0.67	-95.23	47.38	-13.00	-49.86	Vertical
2	6060.00	-60.14	RMS	35.42	-42.70	0.46	-95.23	41.91	-13.00	-47.14	Vertical
3	8080.00	-60.50	RMS	35.94	-42.38	0.40	-95.23	40.77	-13.00	-47.50	Vertical

Ant. 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 Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3255.00	-62.21	RMS	32.82	-49.34	1.00	-95.23	48.54	-13.00	-49.21	Horizontal
2	4890.00	-55.65	RMS	34.20	-47.03	0.51	-95.23	51.90	-13.00	-42.65	Horizontal
3	8145.00	-59.09	RMS	35.90	-42.33	0.48	-95.23	42.09	-13.00	-46.09	Horizontal



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : LTE Band 255 20M CH261505 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3255.00	-62.16	RMS	32.82	-49.34	1.00	-95.23	48.59	-13.00	-49.16	Vertical
2	4890.00	-44.42	RMS	34.20	-47.03	0.51	-95.23	63.13	-13.00	-31.42	Vertical
3	8145.00	-55.67	RMS	35.90	-42.33	0.48	-95.23	45.51	-13.00	-42.67	Vertical

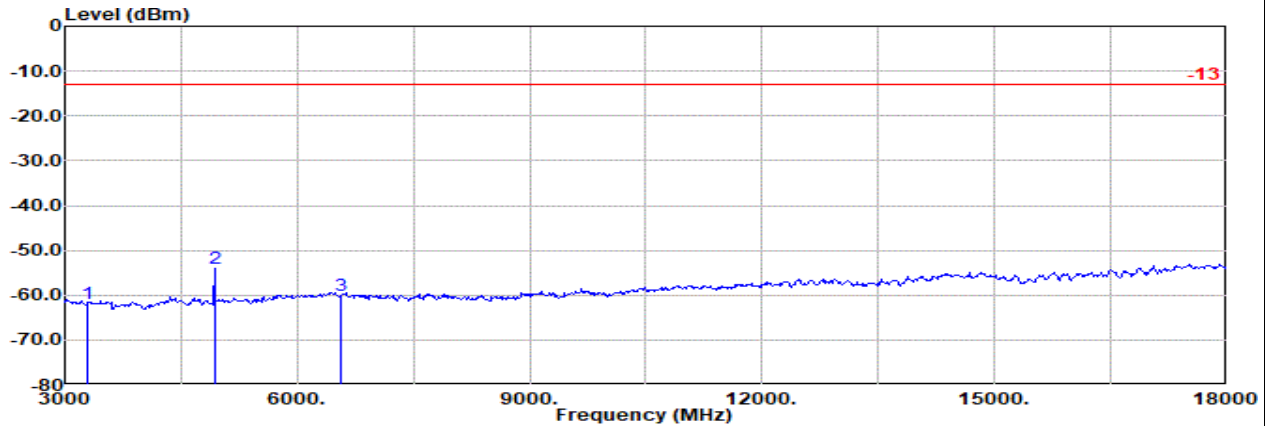


Ant. 4

Part 25 Mode 2

NTN B255 20M Ch261674 1RB0 QPSK

M

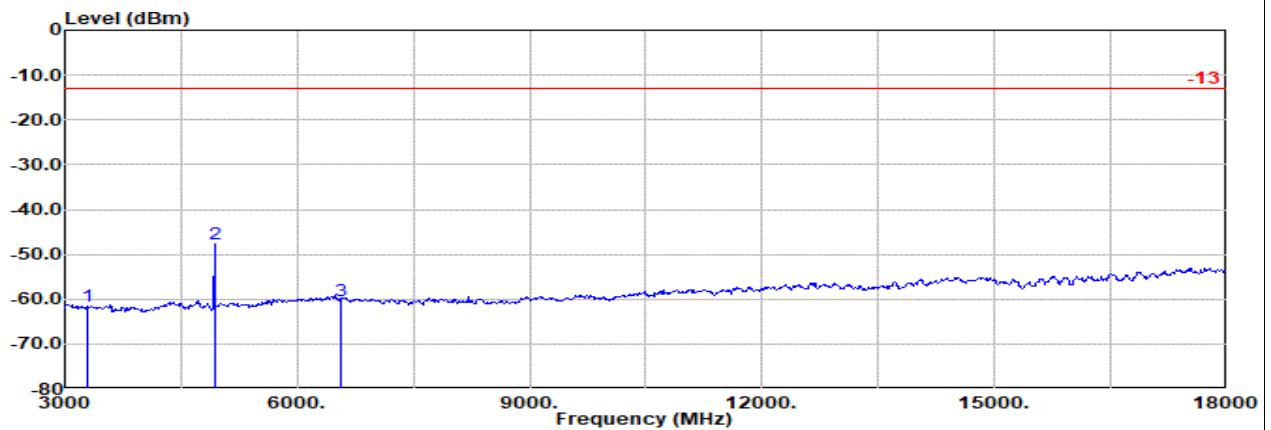


Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Horizontal

Mode : LTE Band 255 20M CH261674 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit dBm	Margin dB	Pol
				Factor	1	EIRPCF					
1	3287.00	-61.87	RMS	32.95	-49.31	0.99	-95.23	48.73	-13.00	-48.87	Horizontal
2	4935.00	-53.95	RMS	34.27	-46.88	0.50	-95.23	53.39	-13.00	-40.95	Horizontal
3	6574.00	-60.07	RMS	35.55	-42.24	0.63	-95.23	41.22	-13.00	-47.07	Horizontal



Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Vertical

Mode : LTE Band 255 20M CH261674 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit dBm	Margin dB	Pol
				Factor	1	EIRPCF					
1	3287.00	-61.70	RMS	32.95	-49.31	0.99	-95.23	48.90	-13.00	-48.70	Vertical
2	4935.00	-47.65	RMS	34.27	-46.88	0.50	-95.23	59.69	-13.00	-34.65	Vertical
3	6574.00	-60.28	RMS	35.55	-42.24	0.63	-95.23	41.01	-13.00	-47.28	Vertical

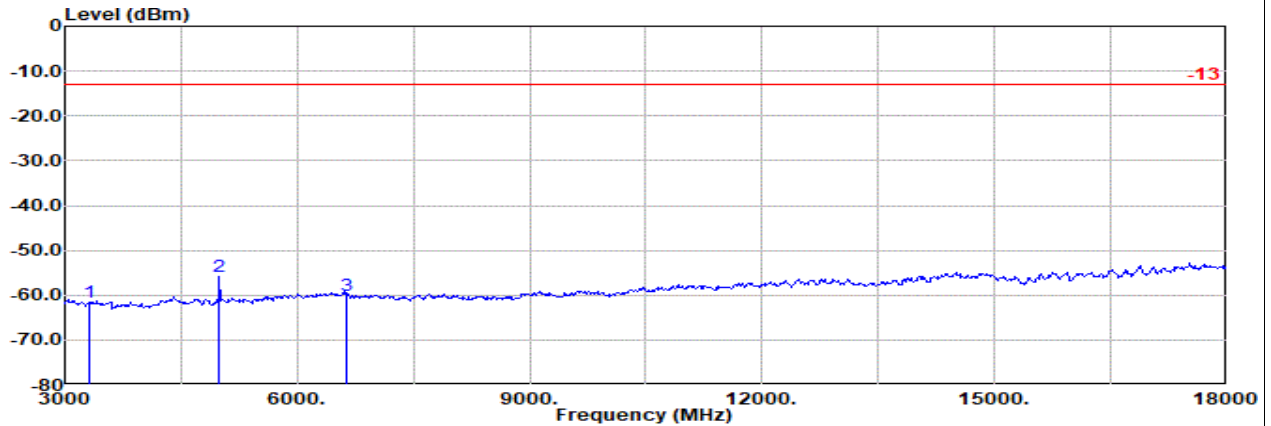


Ant. 4

Part 25 Mode 2

NTN B255 20M Ch261843 1RB0 QPSK

H

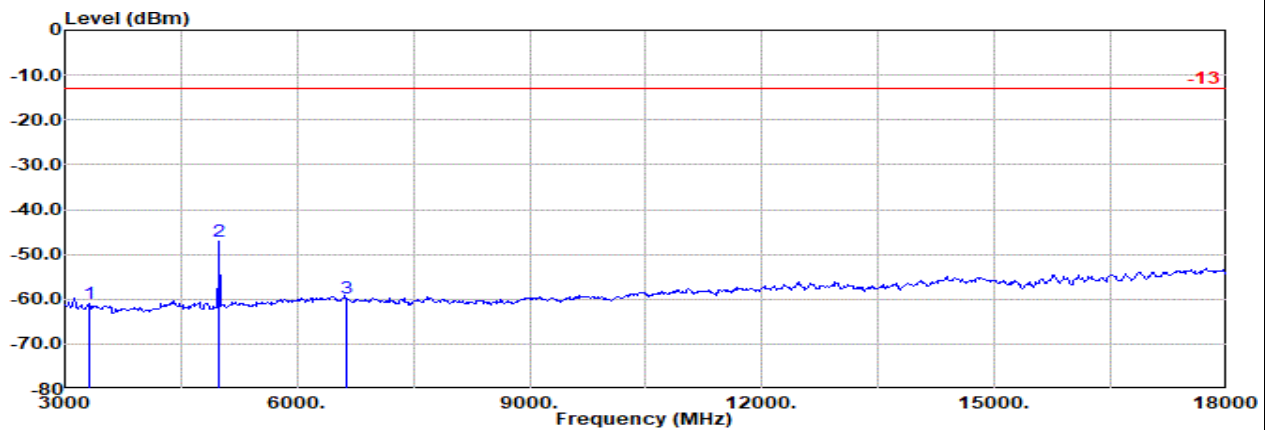


Site : 03CH07-HY

Condition: -13 3m HF_ANT_00075962 Horizontal

Mode : LTE Band 255 20M CH261843 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3315.00	-61.61	RMS	33.00	-49.28	0.99	-95.23	48.91	-13.00	-48.61	Horizontal
2	4995.00	-55.72	RMS	34.39	-46.69	0.50	-95.23	51.31	-13.00	-42.72	Horizontal
3	6645.00	-60.16	RMS	35.59	-42.39	0.68	-95.23	41.19	-13.00	-47.16	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				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3315.00	-61.00	RMS	33.00	-49.28	0.99	-95.23	49.52	-13.00	-48.00	Vertical
2	4995.00	-47.07	RMS	34.39	-46.69	0.50	-95.23	59.96	-13.00	-34.07	Vertical
3	6645.00	-59.72	RMS	35.59	-42.39	0.68	-95.23	41.63	-13.00	-46.72	Vertical

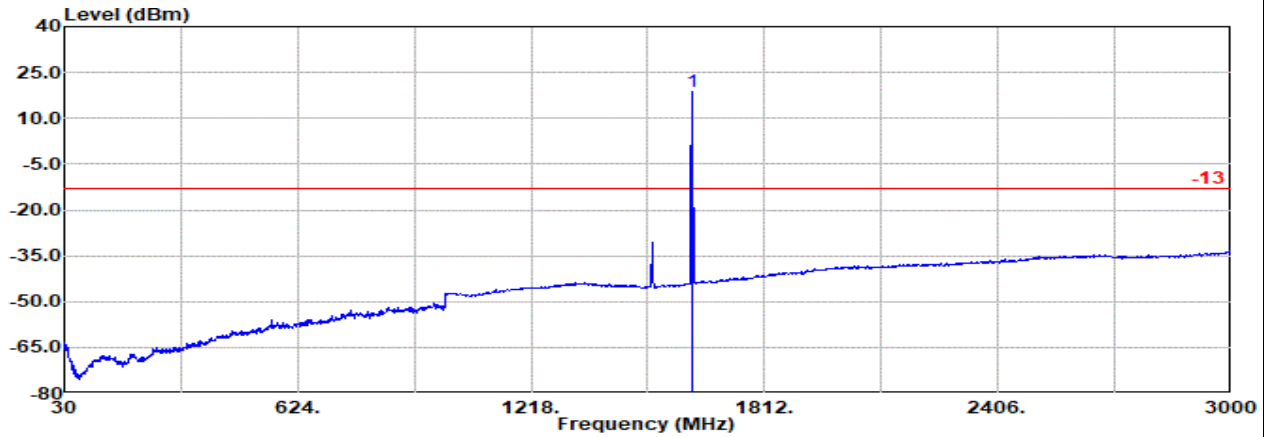


Ant. 4

Part 25 Mode 2

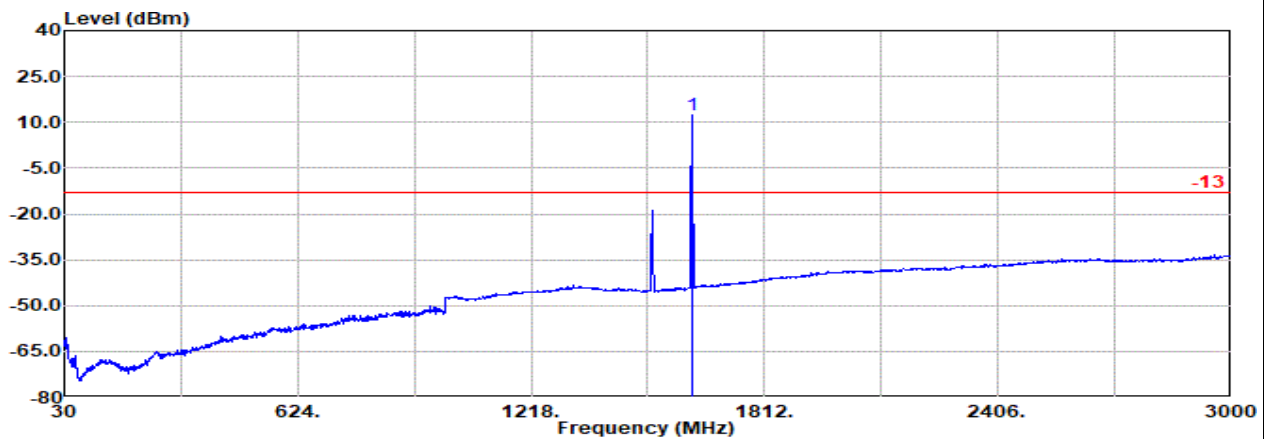
NTN B255 20M Ch261505 1RB0 QPSK

L



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : LTE Band 255 20M CH261505 1RB0 QPSK
: #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	1626.60	18.68	RMS	28.37	7.01	0.00	-95.23	78.53	-13.00	31.68 Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : LTE Band 255 20M CH261505 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	1626.60	12.36	RMS	28.37	7.01	0.00	-95.23	72.21	-13.00	25.36 Vertical

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

————THE END————