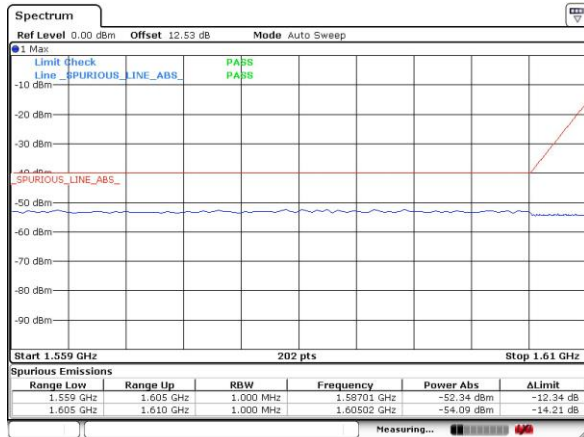




Band 255 SCS 3.75kHz

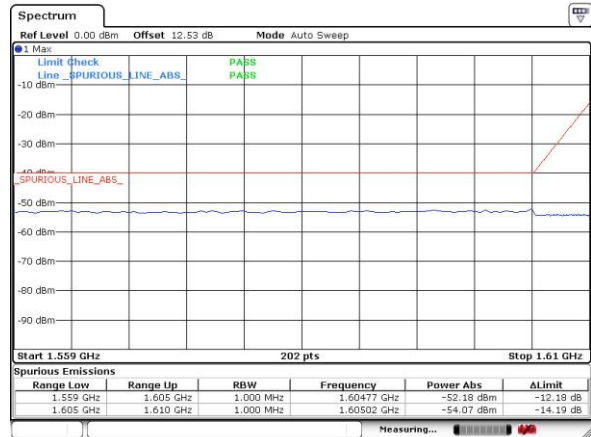
QPSK

Lowest Channel / 1SC0 Broadband



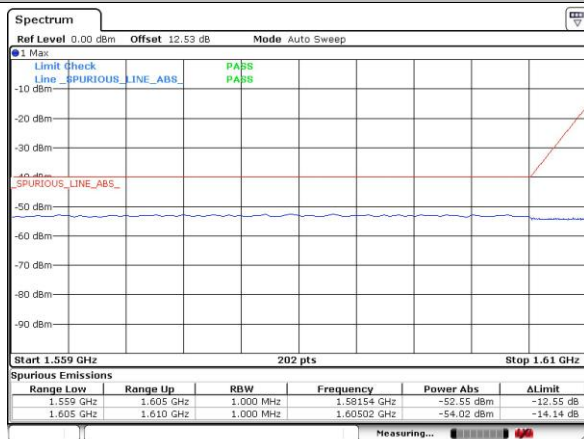
Date: 23.JAN.2025 16:52:05

Lowest Channel / 1SC47 Broadband



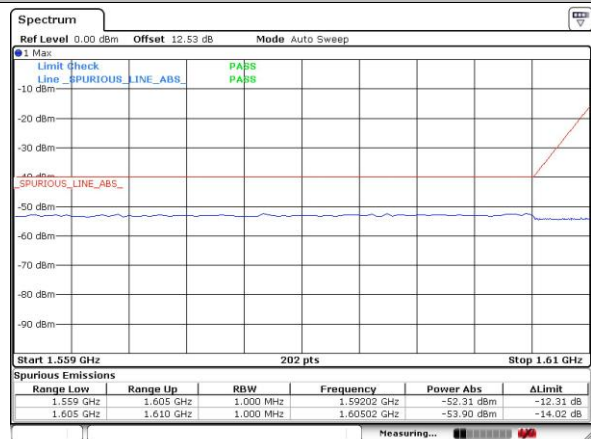
Date: 23.JAN.2025 16:53:34

Middle Channel / 1SC0 Broadband



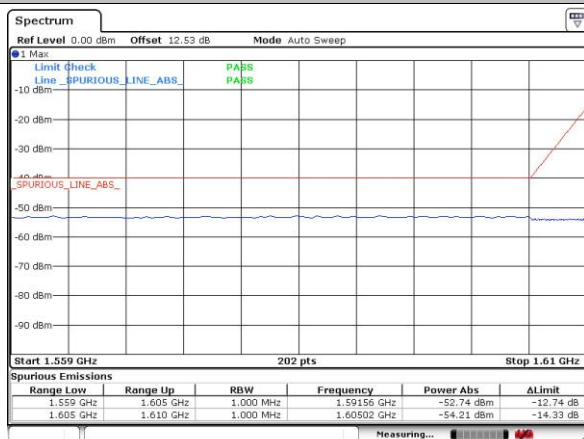
Date: 23.JAN.2025 00:48:12

Middle Channel / 1SC47 Broadband



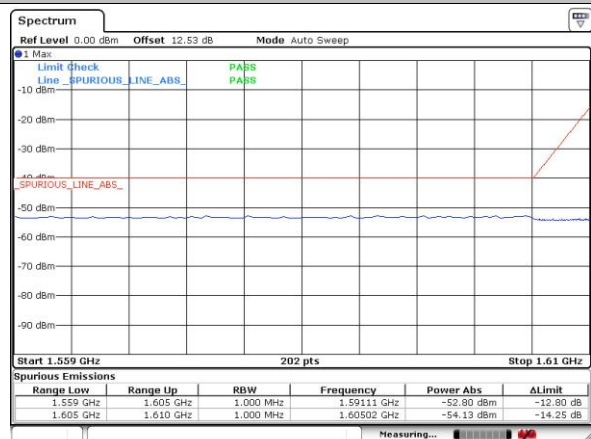
Date: 23.JAN.2025 00:50:32

Highest Channel / 1SC0 Broadband



Date: 23.JAN.2025 19:34:05

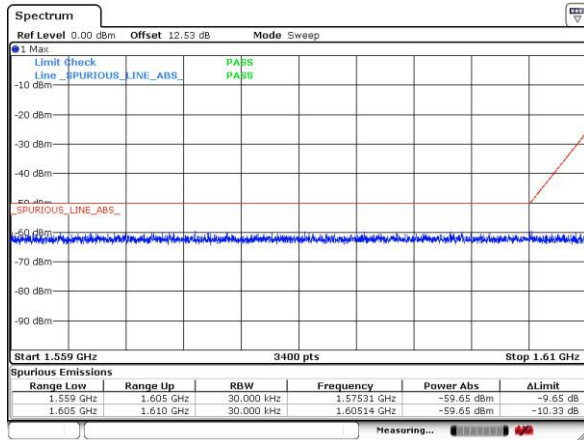
Highest Channel / 1SC47 Broadband



Date: 23.JAN.2025 19:38:05

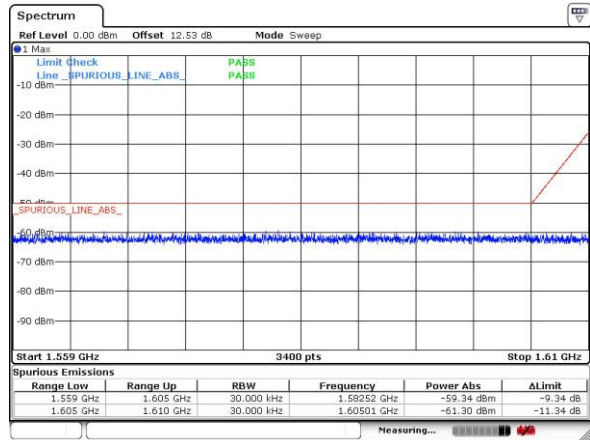


Lowest Channel / 1SC0 Discrete



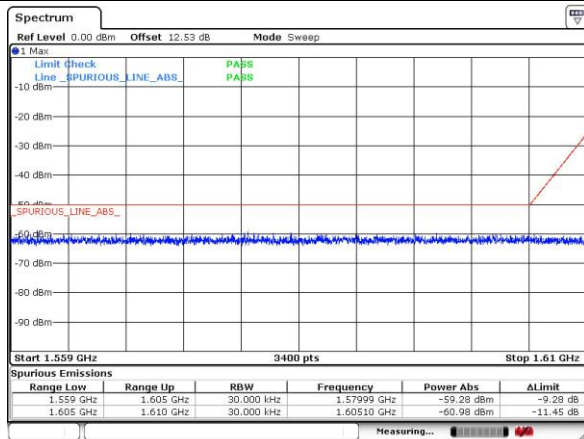
Date: 23.JAN.2025 18:49:40

Lowest Channel / 1SC47 Discrete



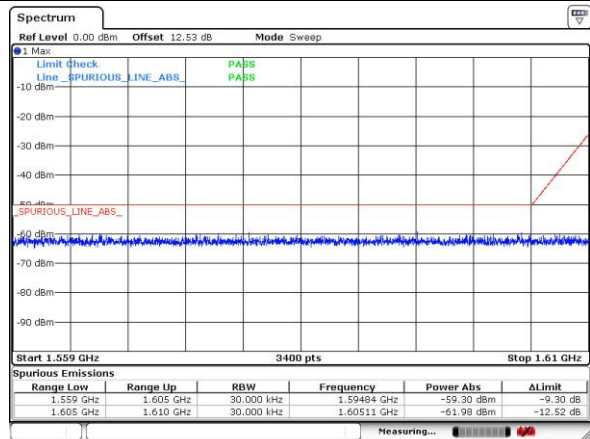
Date: 23.JAN.2025 18:50:38

Middle Channel / 1SC0 Discrete



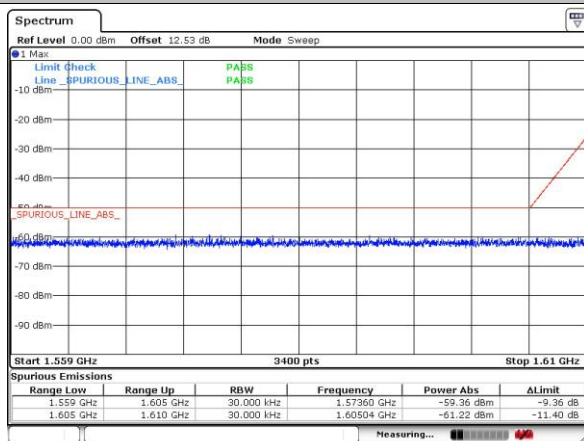
Date: 23.JAN.2025 01:06:20

Middle Channel / 1SC47 Discrete



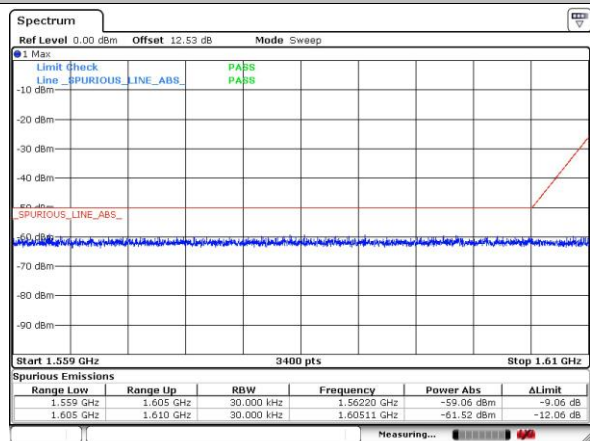
Date: 23.JAN.2025 01:06:32

Highest Channel / 1SC0 Discrete



Date: 23.JAN.2025 19:06:34

Highest Channel / 1SC47 Discrete



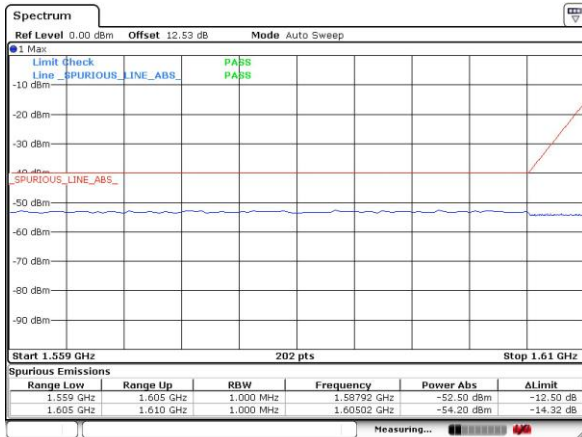
Date: 23.JAN.2025 19:09:06



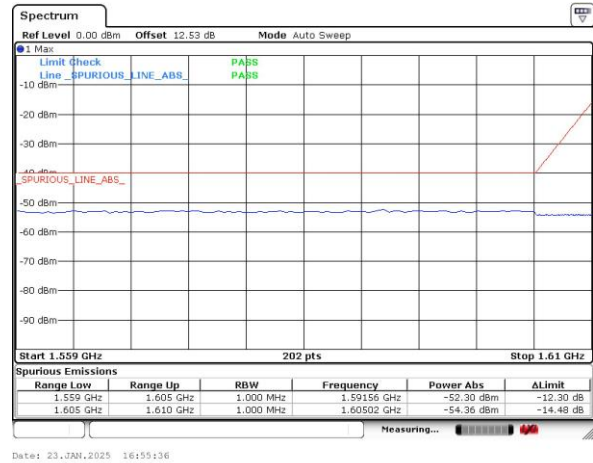
Band 255 SCS 15kHz

BPSK

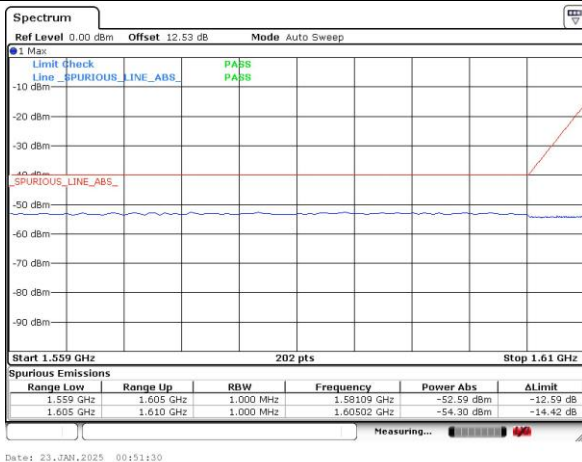
Lowest Channel / 1SC0 Broadband



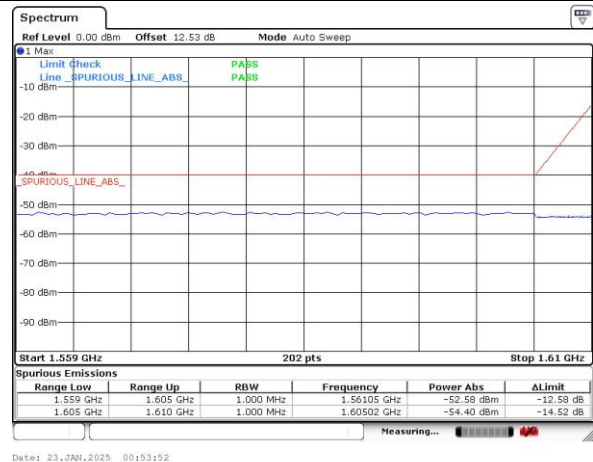
Lowest Channel / 1SC11 Broadband



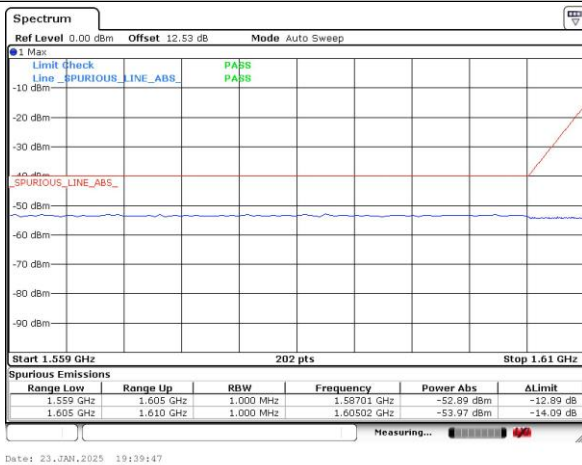
Middle Channel / 1SC0 Broadband



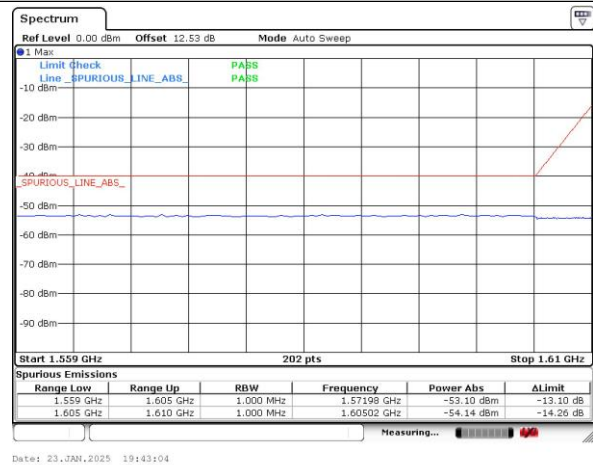
Middle Channel / 1SC11 Broadband



Highest Channel / 1SC0 Broadband

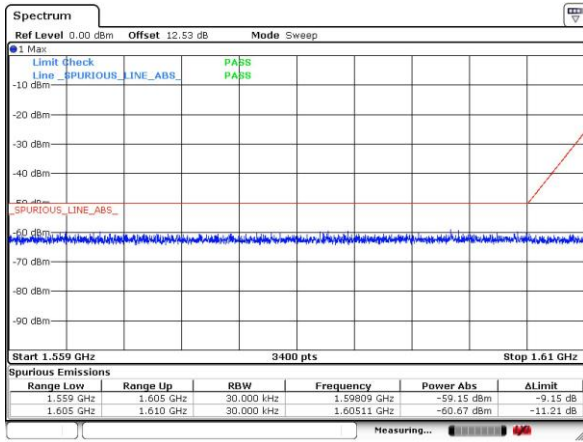


Highest Channel / 1SC11 Broadband



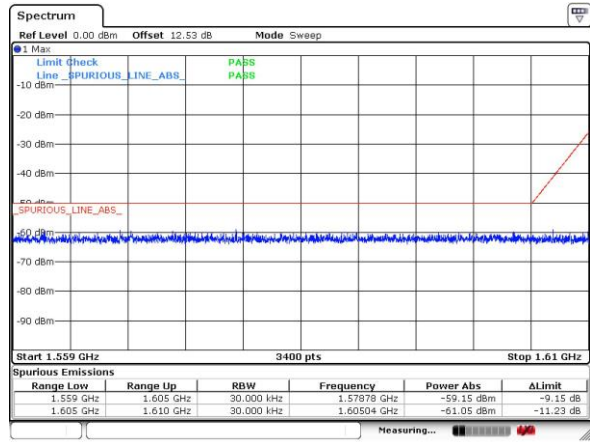


Lowest Channel / 1SC0 Discrete



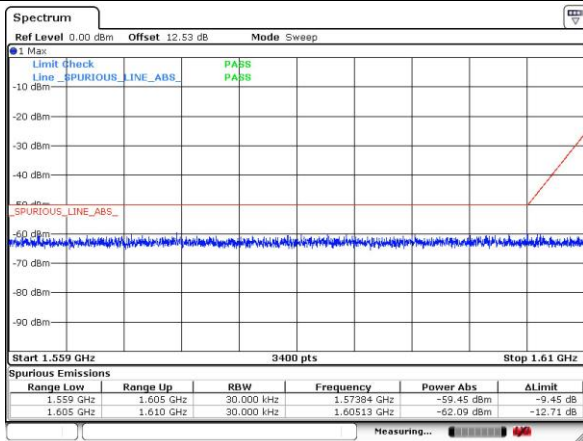
Date: 23_JAN_2025 18:51:32

Lowest Channel / 1SC11 Discrete



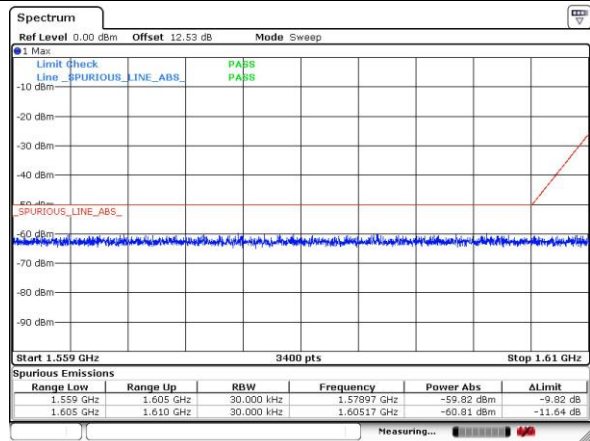
Date: 23_JAN_2025 18:54:55

Middle Channel / 1SC0 Discrete



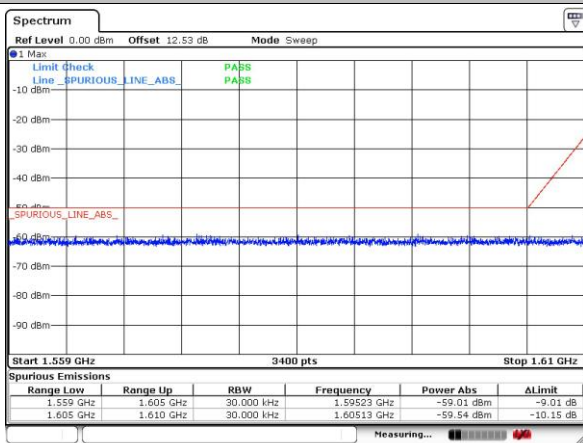
Date: 23_JAN_2025 01:09:46

Middle Channel / 1SC11 Discrete



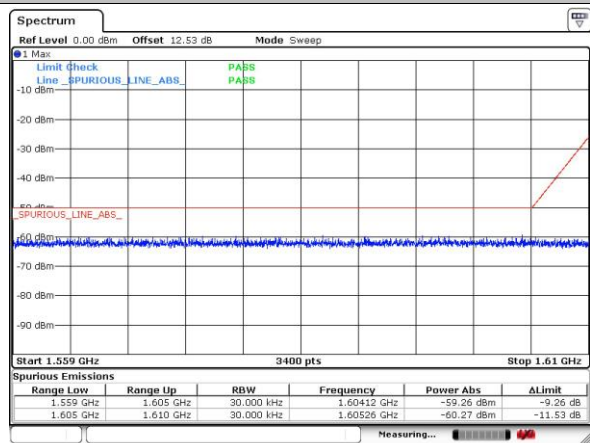
Date: 23_JAN_2025 01:11:58

Highest Channel / 1SC0 Discrete



Date: 23_JAN_2025 19:10:59

Highest Channel / 1SC11 Discrete



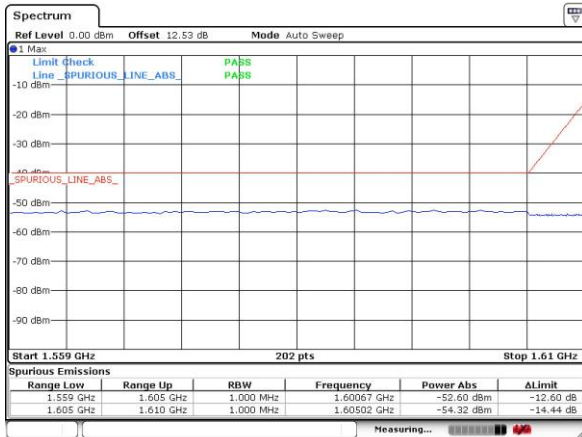
Date: 23_JAN_2025 19:14:05



Band 255 SCS 15kHz

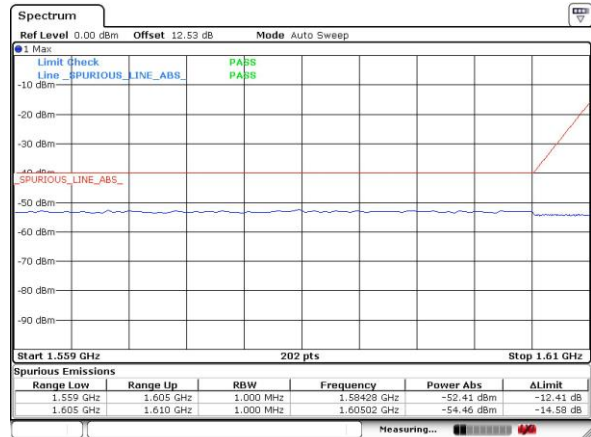
QPSK

Lowest Channel / 1SC0 Broadband



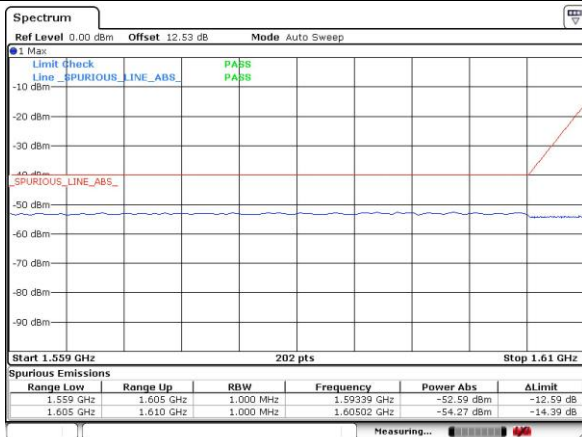
Date: 23.JAN.2025 16:57:45

Lowest Channel / 1SC11 Broadband



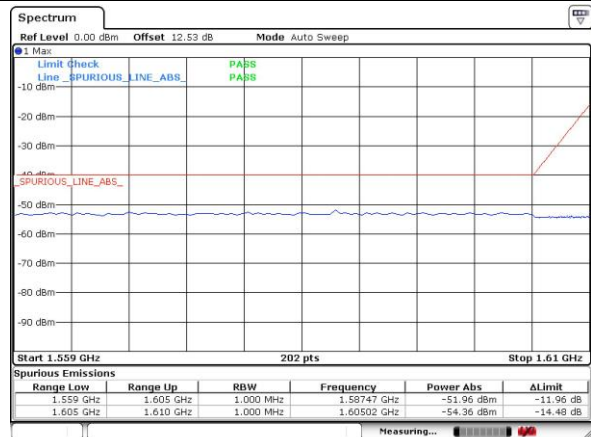
Date: 23.JAN.2025 16:59:16

Middle Channel / 1SC0 Broadband



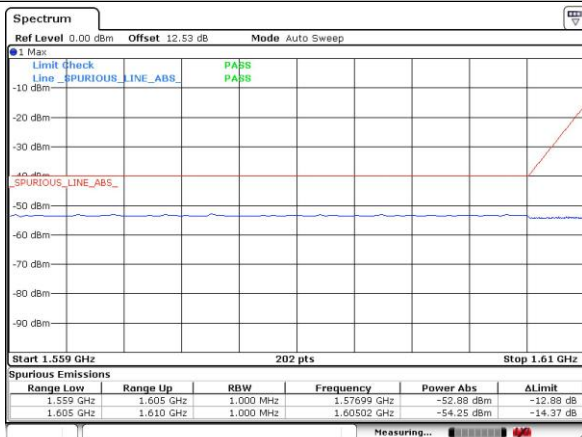
Date: 23.JAN.2025 00:52:55

Middle Channel / 1SC11 Broadband



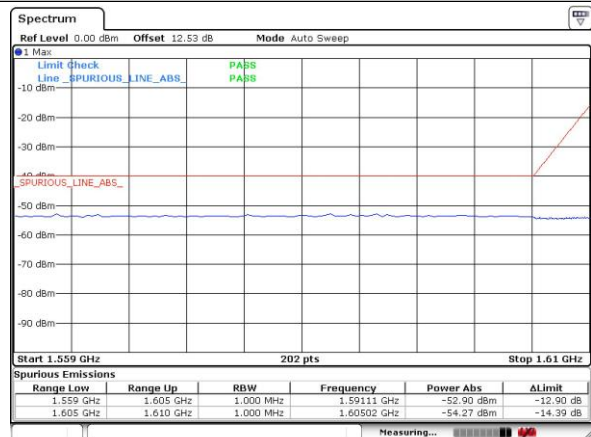
Date: 23.JAN.2025 00:54:31

Highest Channel / 1SC0 Broadband



Date: 23.JAN.2025 19:41:42

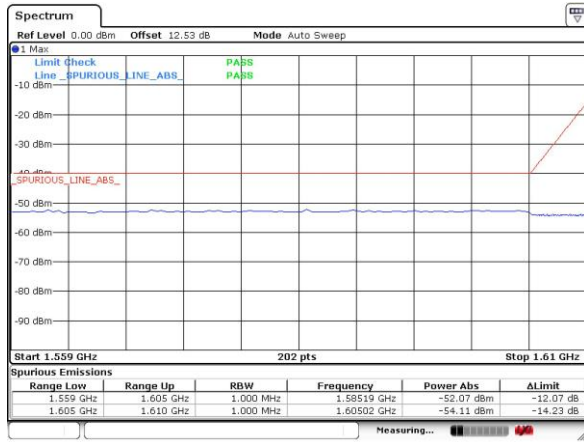
Highest Channel / 1SC11 Broadband



Date: 23.JAN.2025 19:43:58

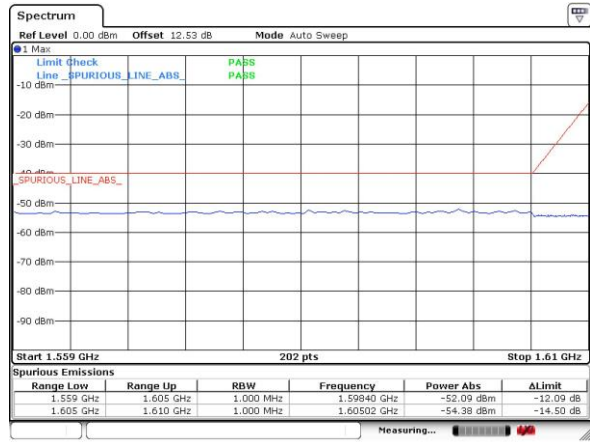


Lowest Channel / 3SC0 Broadband



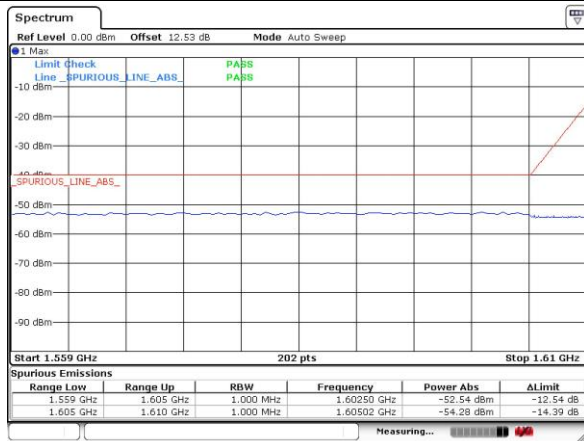
Date: 23_JAN_2025 17:08:02

Lowest Channel / 3SC9 Broadband



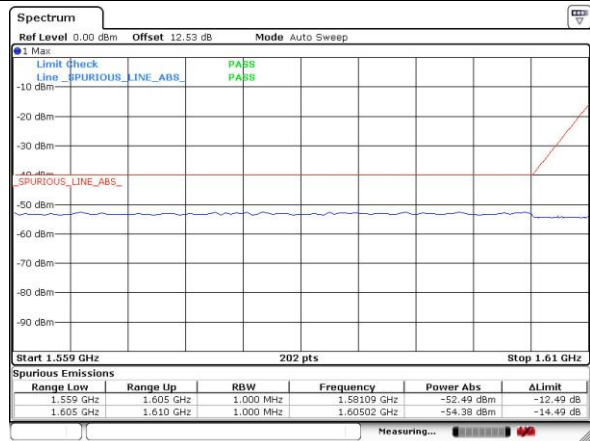
Date: 23_JAN_2025 17:09:17

Middle Channel / 3SC0 Broadband



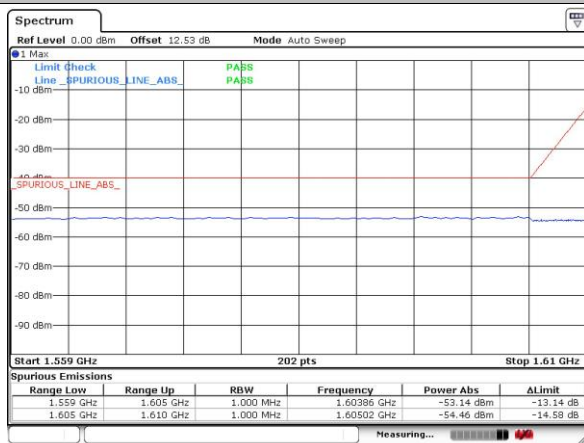
Date: 23_JAN_2025 00:56:44

Middle Channel / 3SC9 Broadband



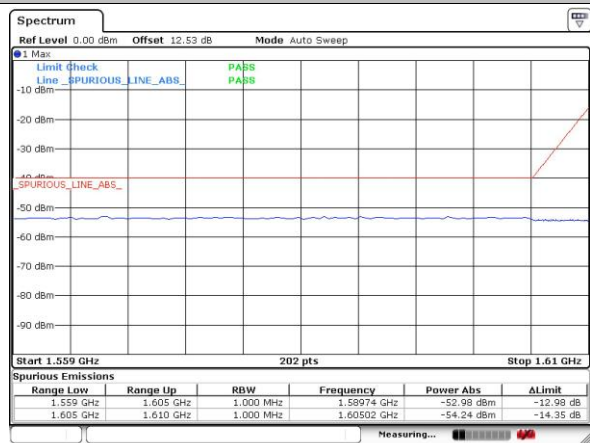
Date: 23_JAN_2025 00:57:45

Highest Channel / 3SC0 Broadband



Date: 23_JAN_2025 19:44:41

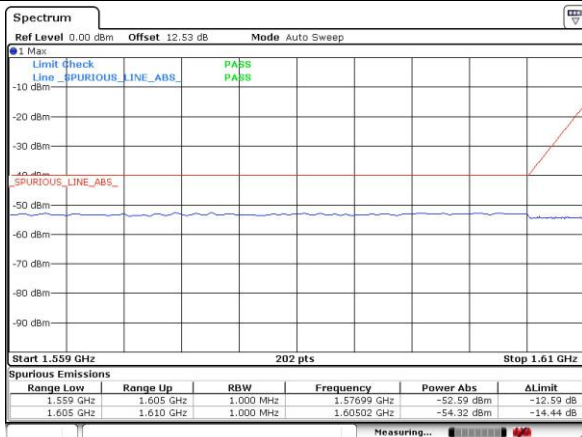
Highest Channel / 3SC9 Broadband



Date: 23_JAN_2025 19:45:27

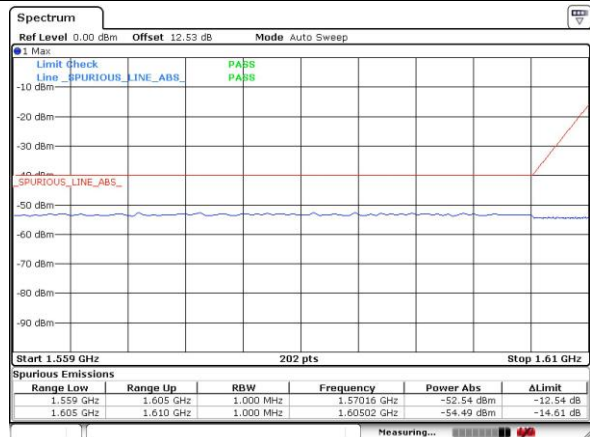


Lowest Channel / 6SC0 Broadband



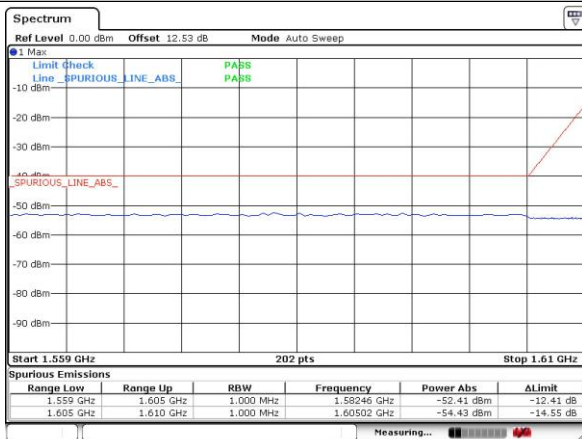
Date: 23.JAN.2025 17:10:44

Lowest Channel / 6SC6 Broadband



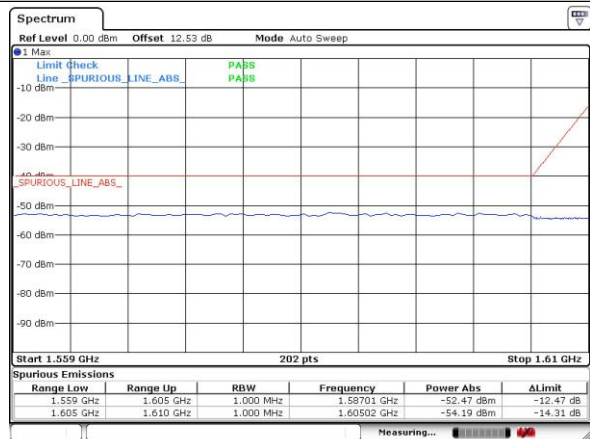
Date: 23.JAN.2025 17:11:24

Middle Channel / 6SC0 Broadband



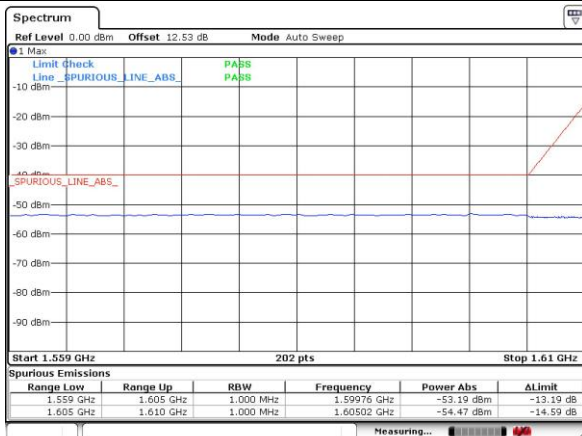
Date: 23.JAN.2025 00:10:40

Middle Channel / 6SC6 Broadband



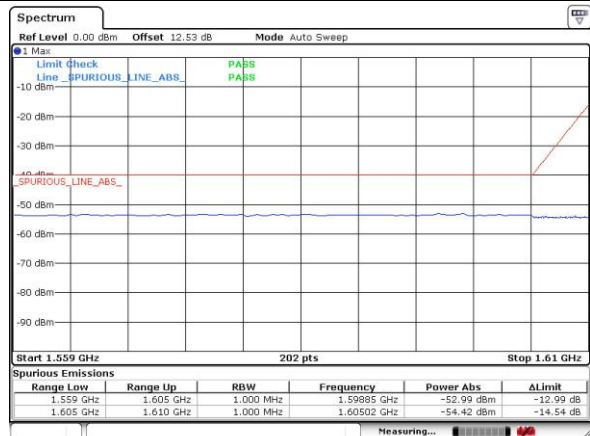
Date: 23.JAN.2025 00:10:59

Highest Channel / 6SC0 Broadband



Date: 23.JAN.2025 19:46:29

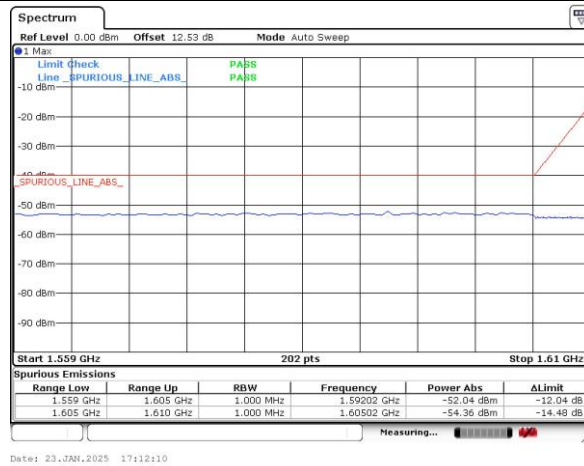
Highest Channel / 6SC6 Broadband



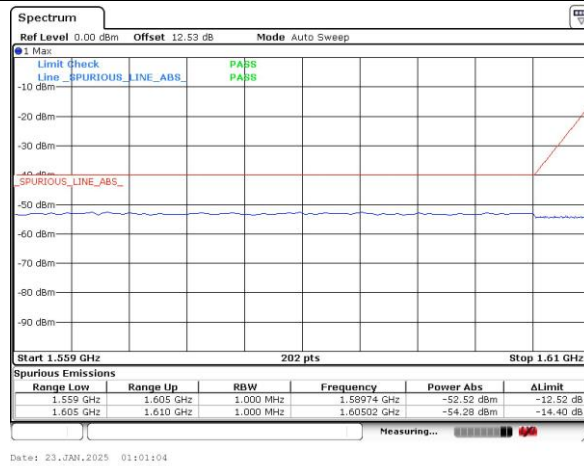
Date: 23.JAN.2025 19:47:16



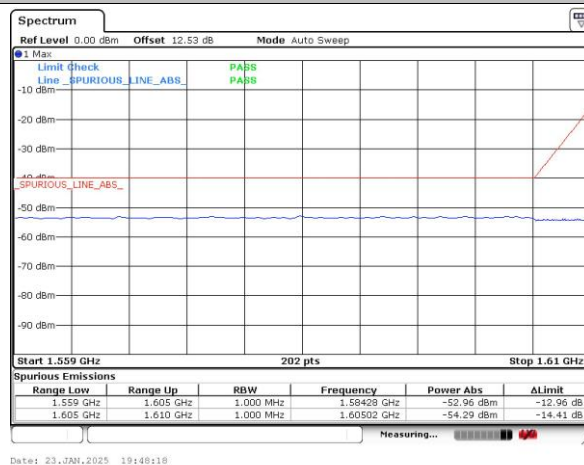
Lowest Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband

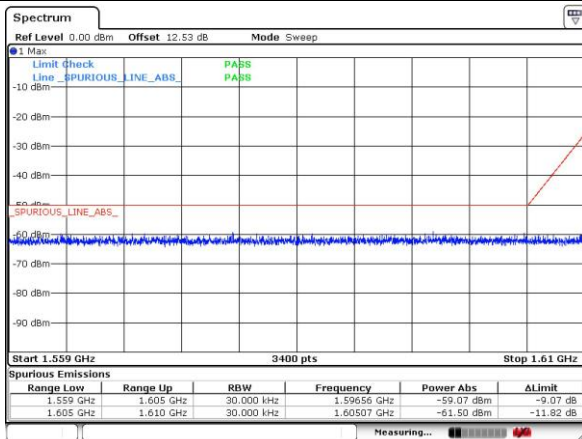


Highest Channel / 12SC0 Broadband



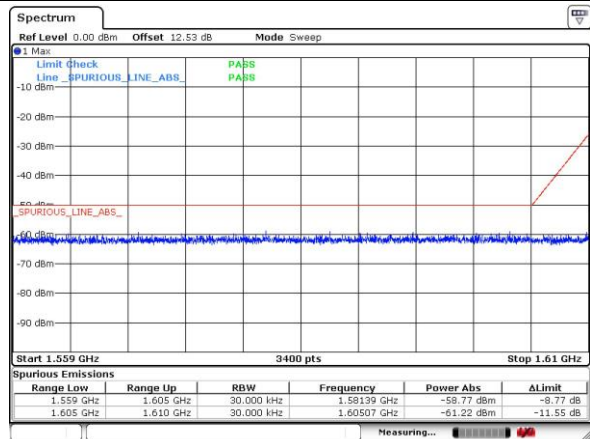


Lowest Channel / 1SC0 Discrete



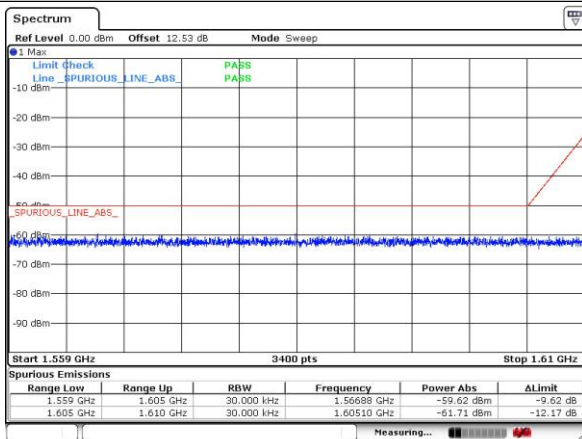
Date: 23.JAN.2025 18:53:44

Lowest Channel / 1SC11 Discrete



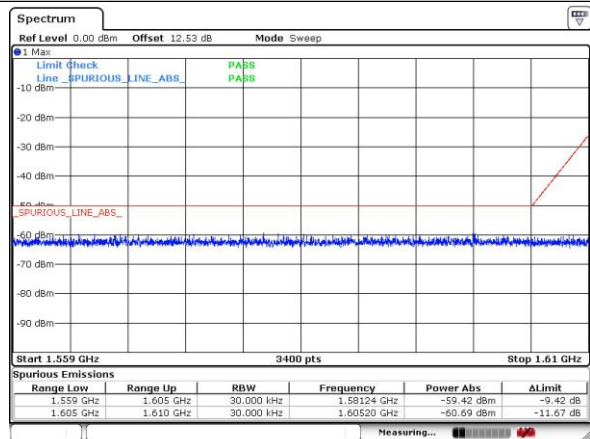
Date: 23.JAN.2025 18:56:32

Middle Channel / 1SC0 Discrete



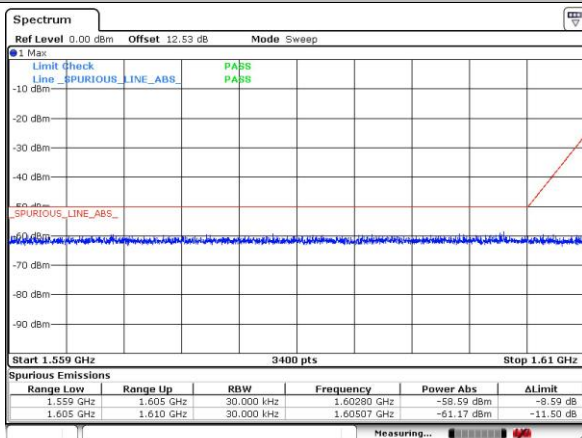
Date: 23.JAN.2025 01:10:55

Middle Channel / 1SC11 Discrete



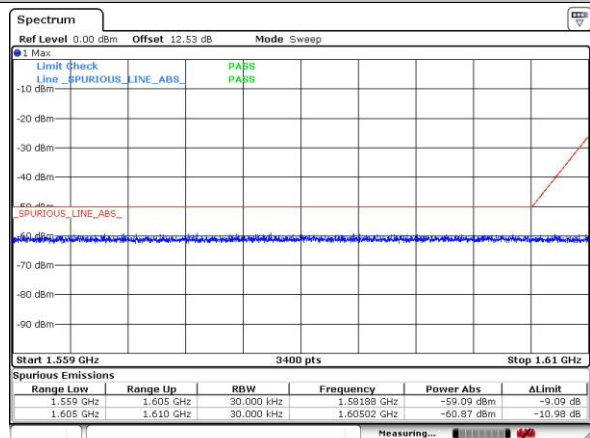
Date: 23.JAN.2025 01:13:05

Highest Channel / 1SC0 Discrete



Date: 23.JAN.2025 19:13:05

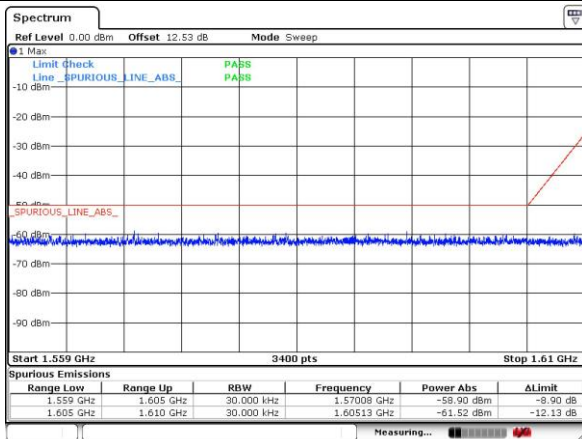
Highest Channel / 1SC11 Discrete



Date: 23.JAN.2025 19:18:44

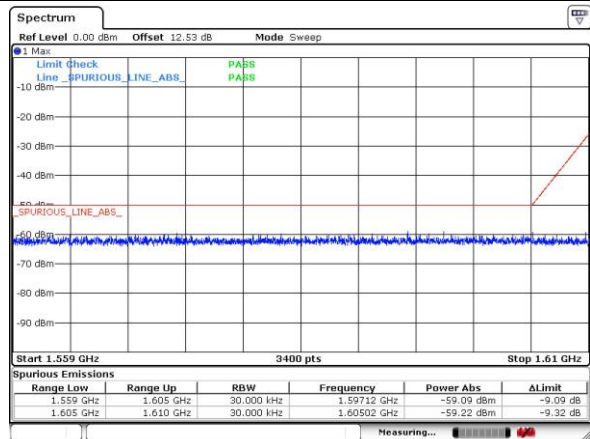


Lowest Channel / 3SC0 Discrete



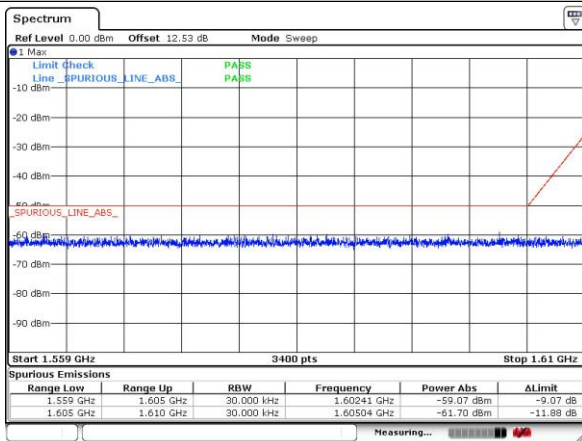
Date: 23.JAN.2025 18:58:00

Lowest Channel / 3SC9 Discrete



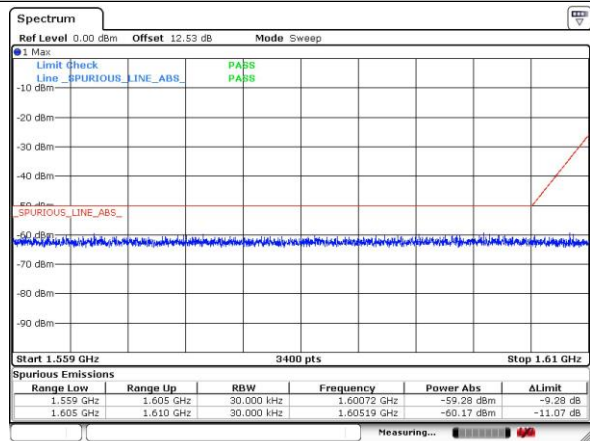
Date: 23.JAN.2025 18:59:03

Middle Channel / 3SC0 Discrete



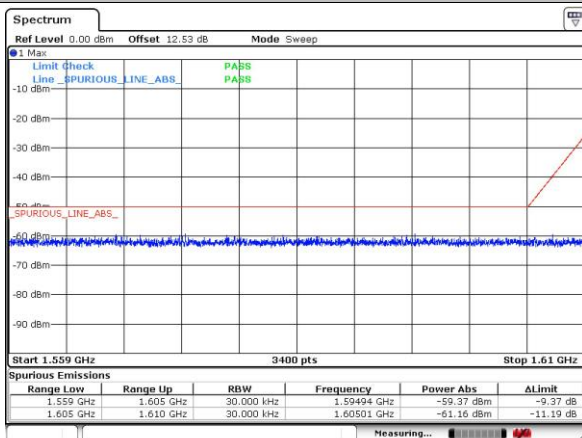
Date: 23.JAN.2025 01:14:20

Middle Channel / 3SC9 Discrete



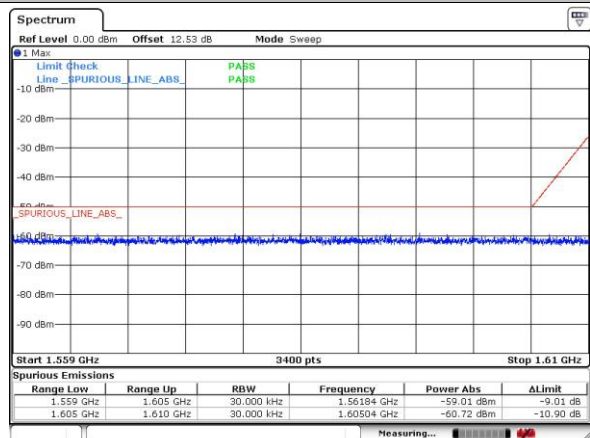
Date: 23.JAN.2025 01:15:10

Highest Channel / 3SC0 Discrete



Date: 23.JAN.2025 19:19:56

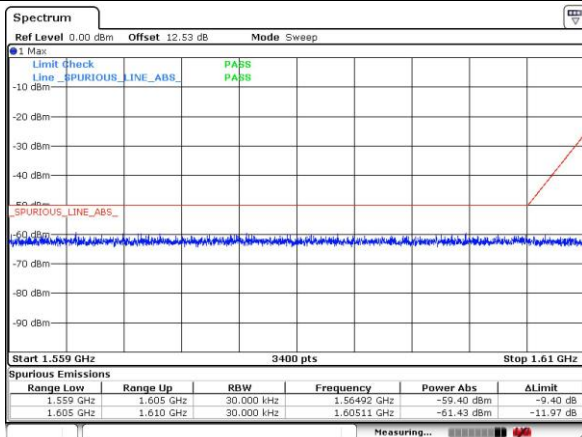
Highest Channel / 3SC9 Discrete



Date: 23.JAN.2025 19:21:52

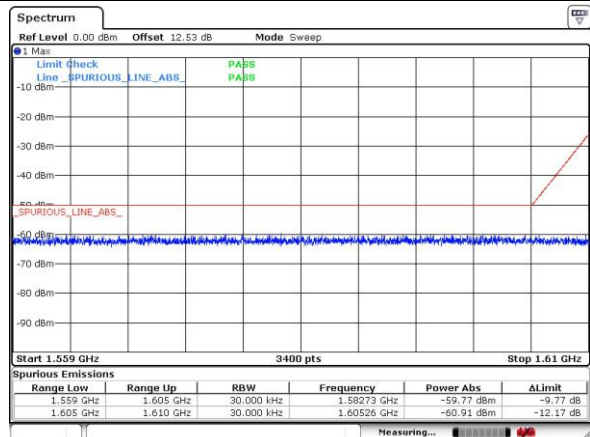


Lowest Channel / 6SC0 Discrete



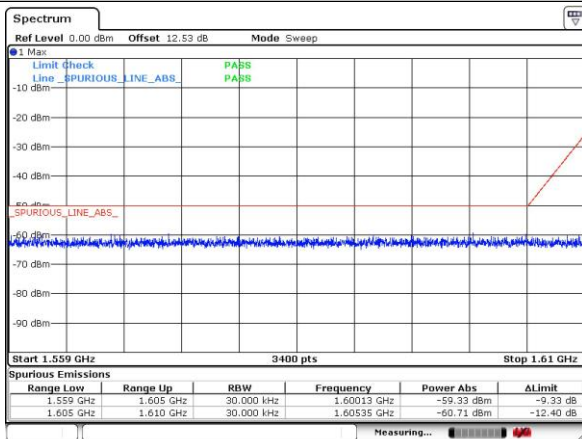
Date: 23.JAN.2025 18:59:55

Lowest Channel / 6SC6 Discrete



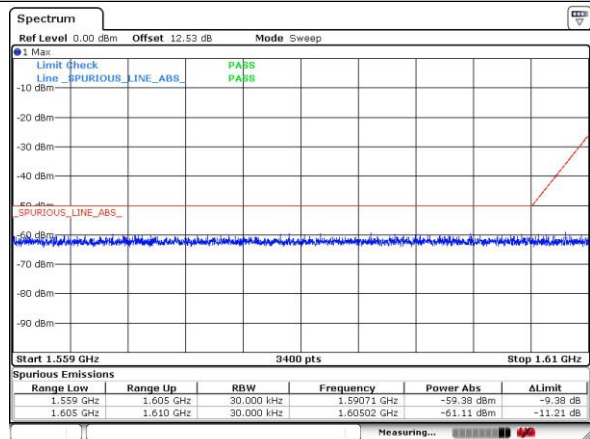
Date: 23.JAN.2025 19:00:53

Middle Channel / 6SC0 Discrete



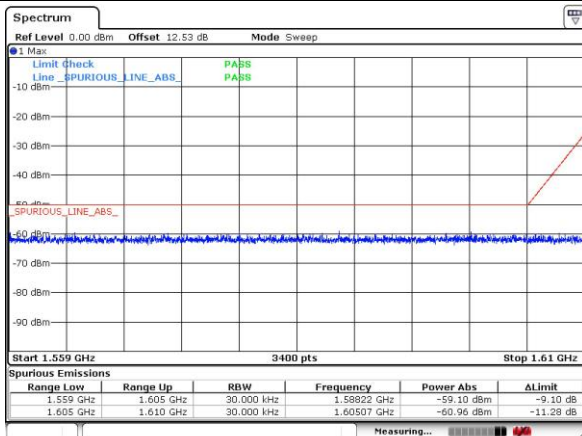
Date: 23.JAN.2025 01:15:54

Middle Channel / 6SC6 Discrete



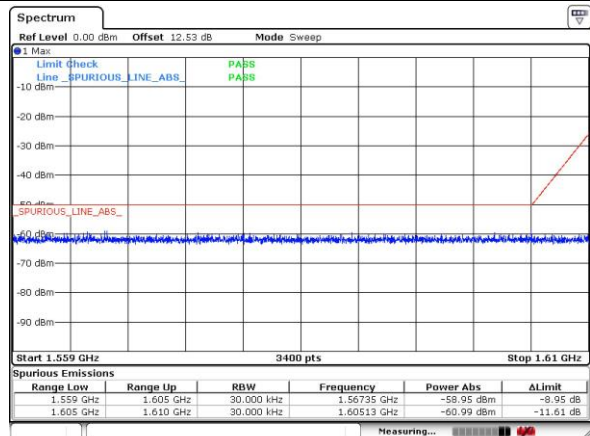
Date: 23.JAN.2025 01:16:52

Highest Channel / 6SC0 Discrete



Date: 23.JAN.2025 19:23:15

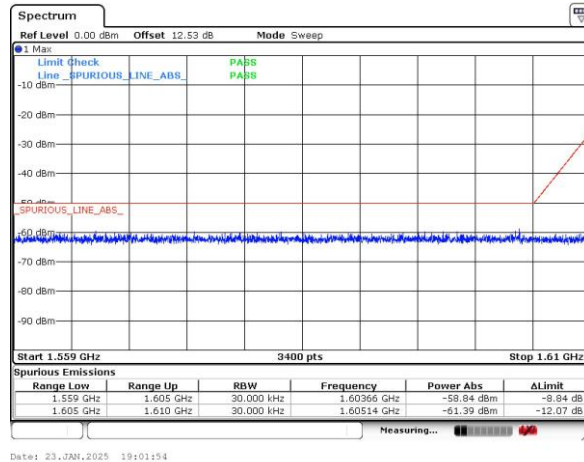
Highest Channel / 6SC6 Discrete



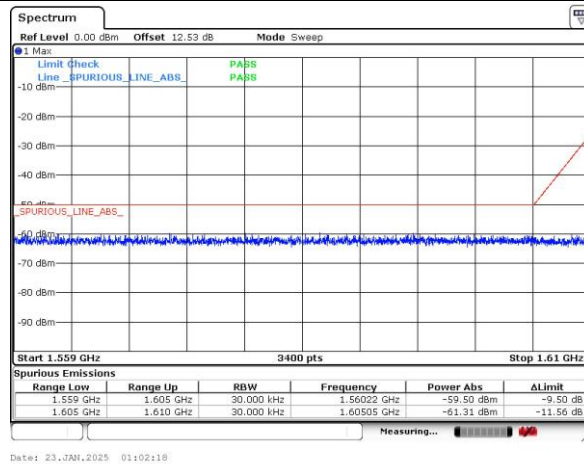
Date: 23.JAN.2025 19:24:38



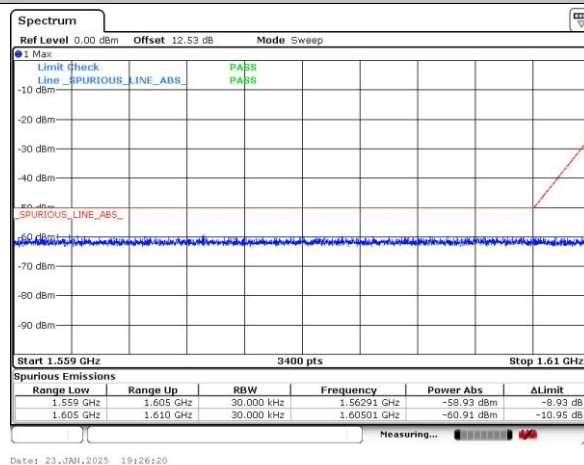
Lowest Channel / 12SC0 Discrete



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	0.0089	PASS
40	Normal Voltage	0.0070	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0089	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0083	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0077	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0089	
20	Battery End Point	0.0062	

Note:

1. Normal Voltage = 3.86 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
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	LTE B23	M	6030	-55.37	RMS	35.36	-42.75	0.47	-95.23	46.78	-13.00	-42.37	V	1
2	Part 25	LTE B255	M	6570	-59.31	RMS	35.56	-42.23	0.62	-95.23	41.97	-13.00	-46.31	H	4

Note: The Part 25 reports mode 1 / 2 for Ant 1 / 4 respectively.

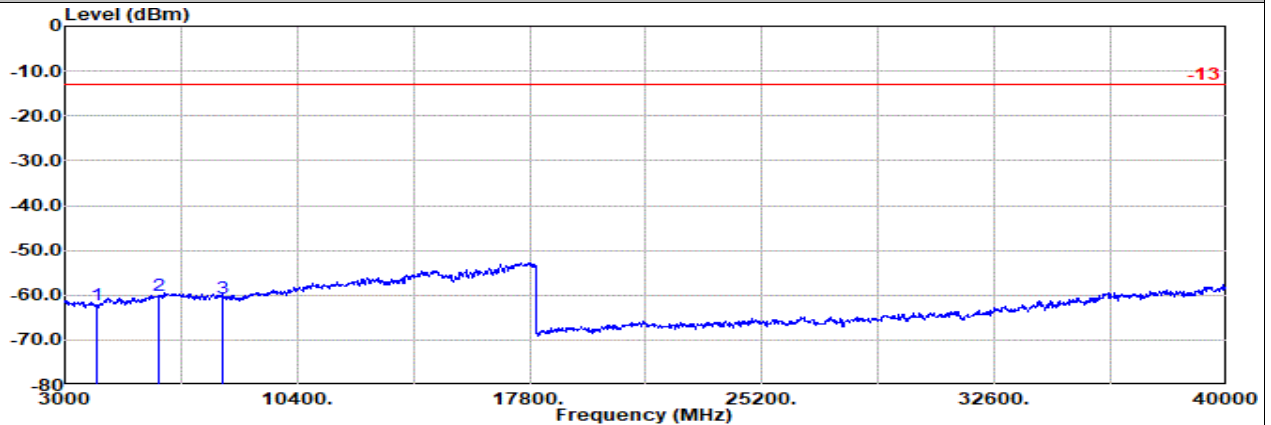


Antenna 1

Part 25 Mode 1

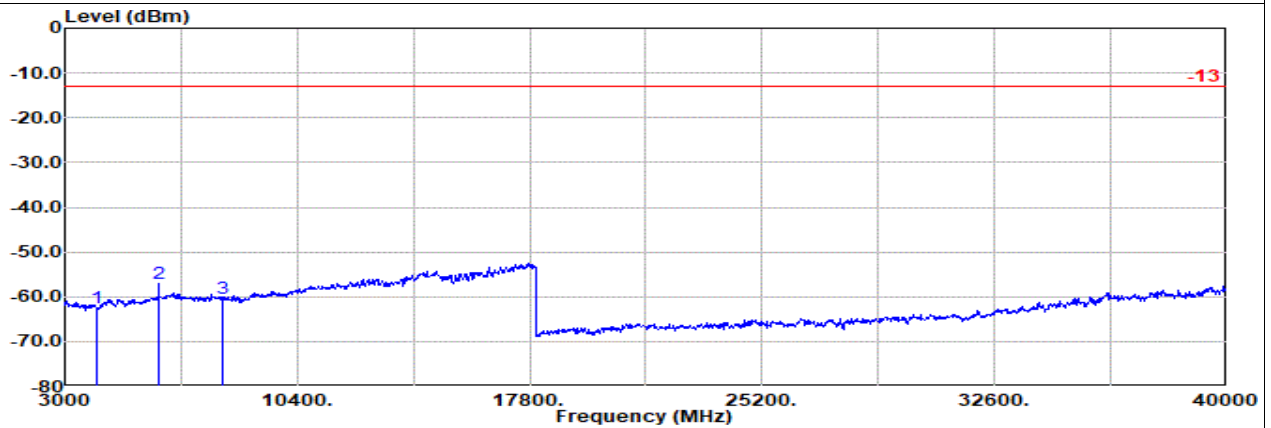
LTE B23 20M Ch25501 1RB0 QPSK

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					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4000.00	-62.19	RMS	33.40	-49.14	0.63	-95.23	0.00	-13.00	-49.19
2	6000.00	-60.11	RMS	35.30	-42.80	0.48	-95.23	42.14	-13.00	-47.11
3	8000.00	-60.54	RMS	36.10	-42.43	0.31	-95.23	40.71	-13.00	-47.54



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					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4000.00	-62.37	RMS	33.40	-49.14	0.63	-95.23	47.97	-13.00	-49.37
2	6000.00	-56.99	RMS	35.30	-42.80	0.48	-95.23	45.26	-13.00	-43.99
3	8000.00	-60.48	RMS	36.10	-42.43	0.31	-95.23	40.77	-13.00	-47.48

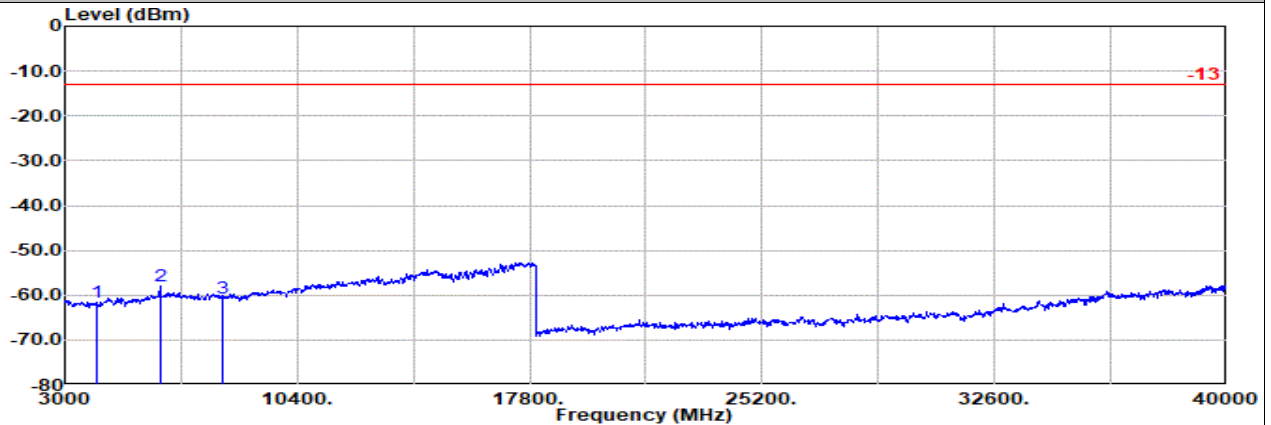


Antenna 1

Part 25 Mode 1

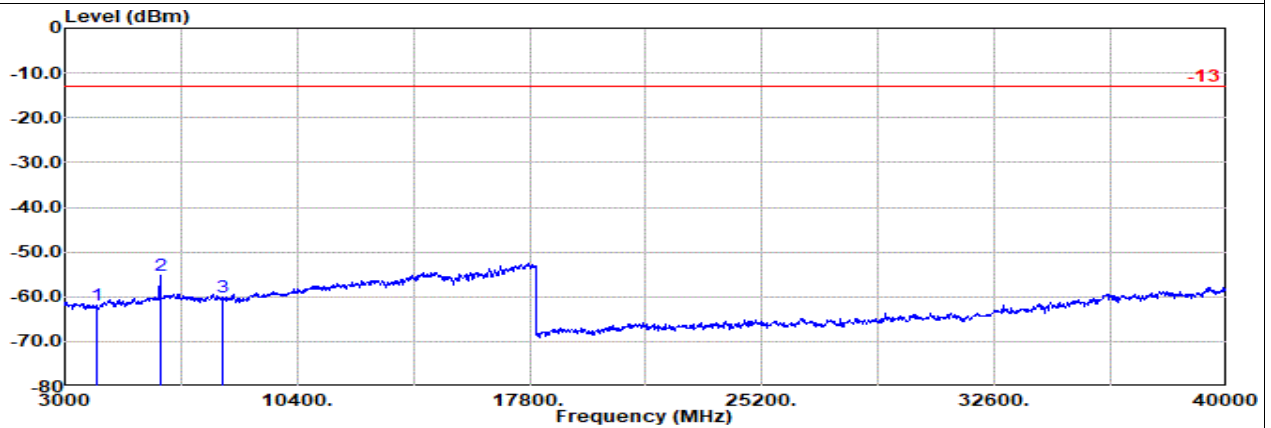
LTE B23 20M Ch25600 1RB0 QPSK

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		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4020.00	-61.73	RMS	33.40	-49.11	0.65	-95.23	48.56	-13.00	-48.73 Horizontal
2	6030.00	-57.94	RMS	35.36	-42.75	0.47	-95.23	44.21	-13.00	-44.94 Horizontal
3	8040.00	-60.72	RMS	36.02	-42.40	0.36	-95.23	40.53	-13.00	-47.72 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		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	4020.00	-61.82	RMS	33.40	-49.11	0.65	-95.23	48.47	-13.00	-48.82 Vertical
2	6030.00	-55.37	RMS	35.36	-42.75	0.47	-95.23	46.78	-13.00	-42.37 Vertical
3	8040.00	-60.13	RMS	36.02	-42.40	0.36	-95.23	41.12	-13.00	-47.13 Vertical

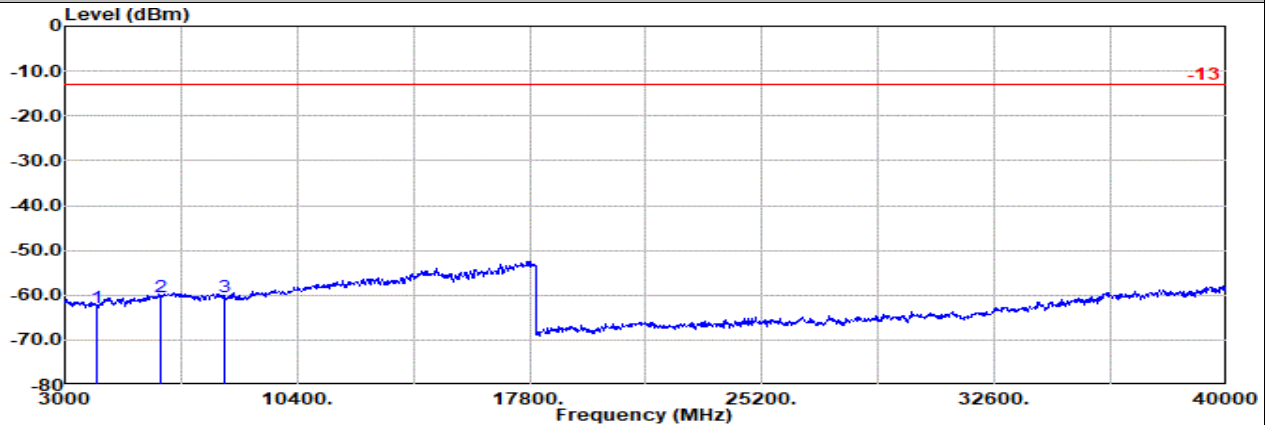


Antenna 1

Part 25 Mode 1

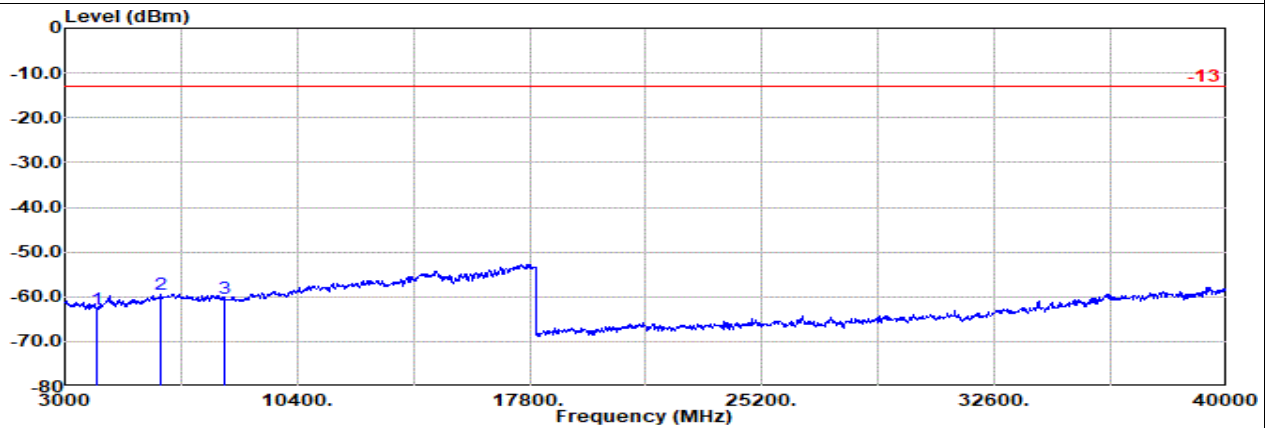
LTE B23 20M Ch25699 1RB0 QPSK

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	-62.73	RMS	33.40	-49.08	0.67	-95.23	47.51	-13.00	-49.73 Horizontal
2	6060.00	-60.36	RMS	35.42	-42.70	0.46	-95.23	41.69	-13.00	-47.36 Horizontal
3	8080.00	-60.47	RMS	35.94	-42.38	0.40	-95.23	40.80	-13.00	-47.47 Horizontal



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	-62.69	RMS	33.40	-49.08	0.67	-95.23	47.55	-13.00	-49.69 Vertical
2	6060.00	-59.40	RMS	35.42	-42.70	0.46	-95.23	42.65	-13.00	-46.40 Vertical
3	8080.00	-60.40	RMS	35.94	-42.38	0.40	-95.23	40.87	-13.00	-47.40 Vertical

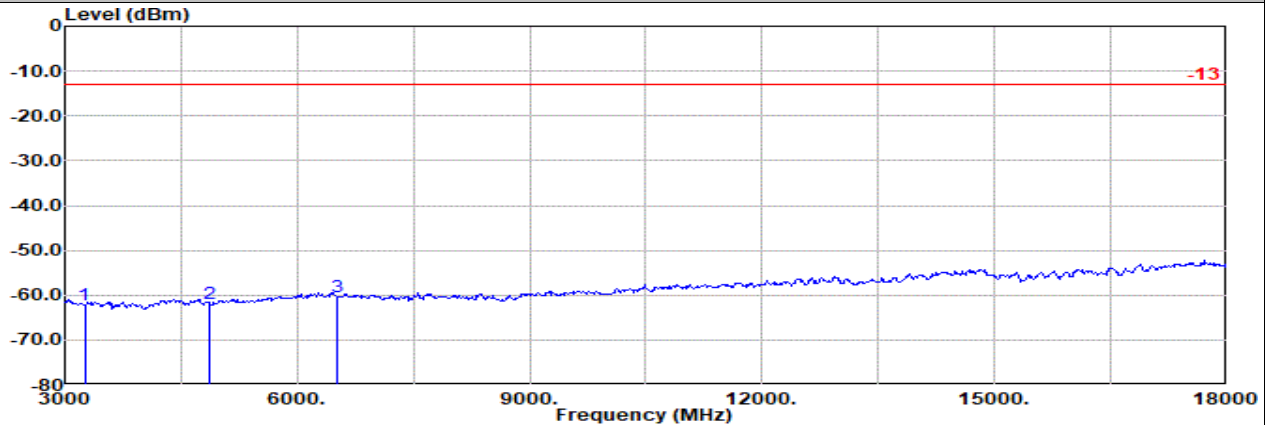


Antenna 4

Part 25 Mode 2

LTE B255 20M Ch261505 1RB0 QPSK

L

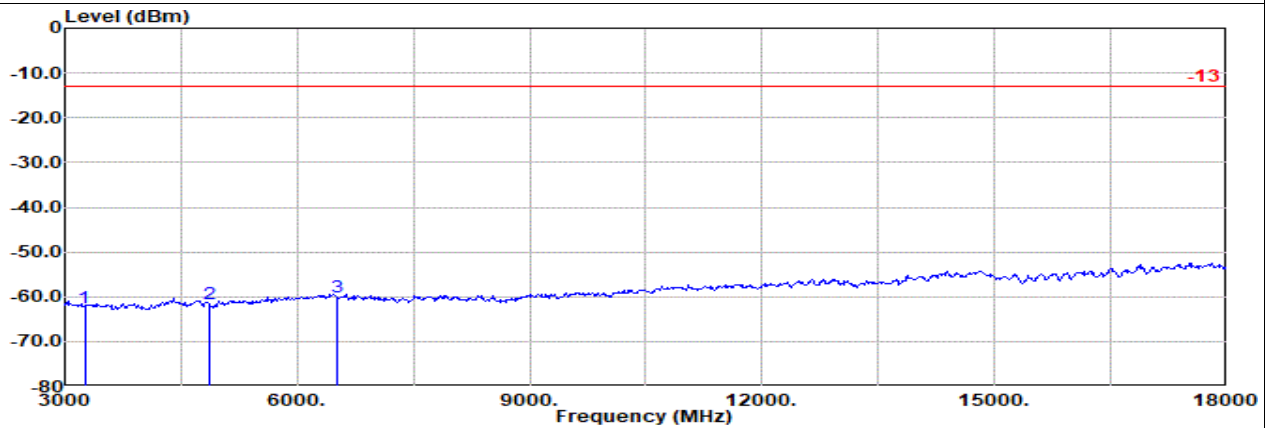


Site : 03CH07-HY

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	-62.18	RMS	32.82	-49.34	1.00	-95.23	48.57	-13.00	-49.18 Horizontal
2	4875.00	-61.99	RMS	34.20	-47.08	0.51	-95.23	45.61	-13.00	-48.99 Horizontal
3	6510.00	-60.34	RMS	35.60	-42.12	0.55	-95.23	40.86	-13.00	-47.34 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	-62.51	RMS	32.82	-49.34	1.00	-95.23	48.24	-13.00	-49.51 Vertical
2	4875.00	-61.70	RMS	34.20	-47.08	0.51	-95.23	45.90	-13.00	-48.70 Vertical
3	6510.00	-60.16	RMS	35.60	-42.12	0.55	-95.23	41.04	-13.00	-47.16 Vertical

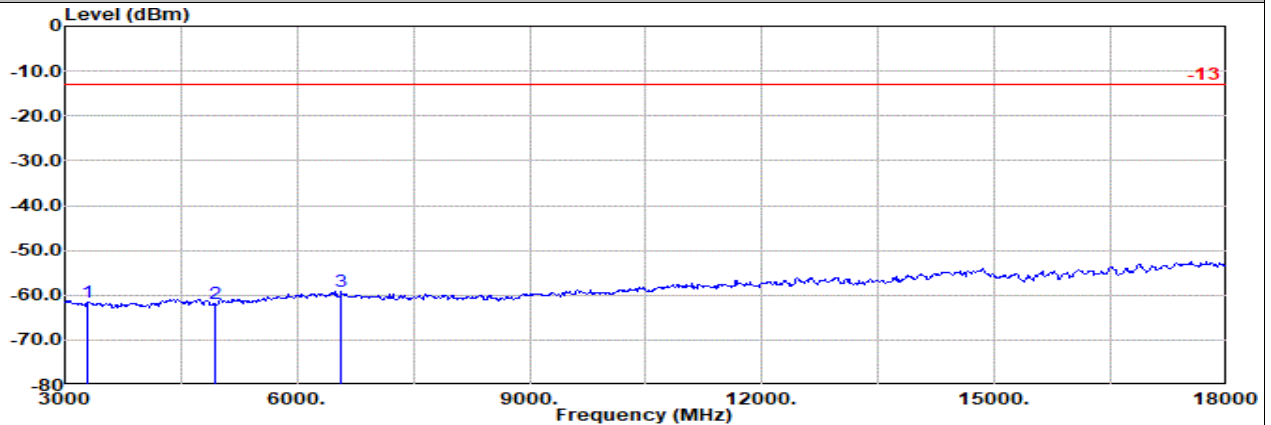


Antenna 4

Part 25 Mode 2

LTE B255 20M Ch261674 1RB0 QPSK

M

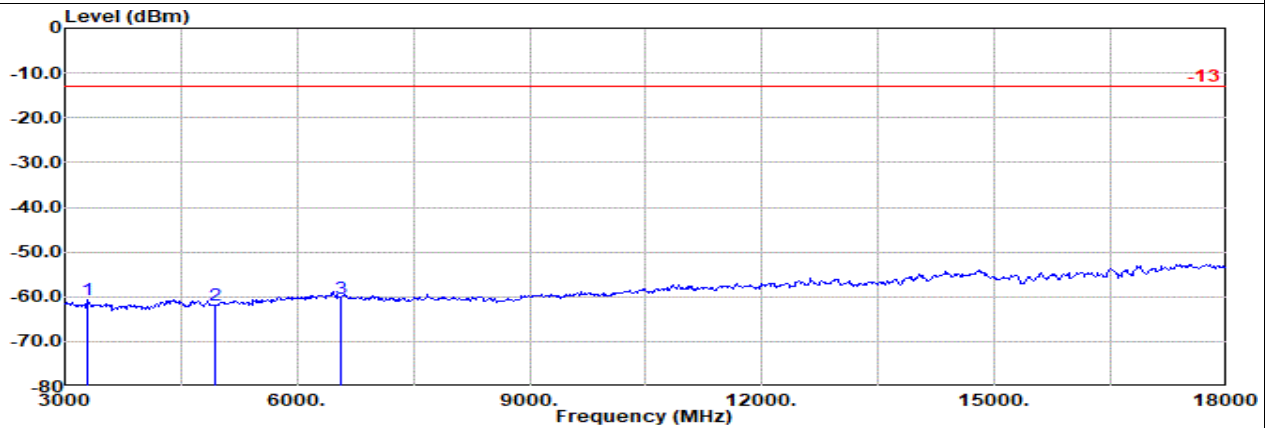


Site : 03CH07-HY

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		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3285.00	-61.72	RMS	32.94	-49.31	0.99	-95.23	48.89	-13.00	-48.72 Horizontal
2	4935.00	-61.97	RMS	34.27	-46.88	0.50	-95.23	45.37	-13.00	-48.97 Horizontal
3	6570.00	-59.31	RMS	35.56	-42.23	0.62	-95.23	41.97	-13.00	-46.31 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		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3285.00	-60.80	RMS	32.94	-49.31	0.99	-95.23	49.81	-13.00	-47.80 Vertical
2	4935.00	-61.75	RMS	34.27	-46.88	0.50	-95.23	45.59	-13.00	-48.75 Vertical
3	6570.00	-60.24	RMS	35.56	-42.23	0.62	-95.23	41.04	-13.00	-47.24 Vertical

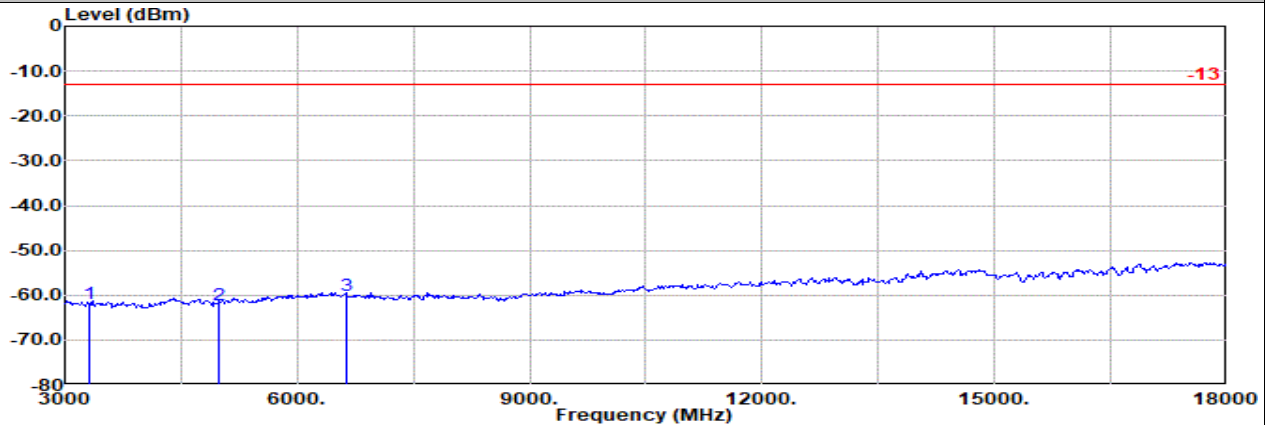


Antenna 4

Part 25 Mode 2

LTE B255 20M Ch261843 1RB0 QPSK

H

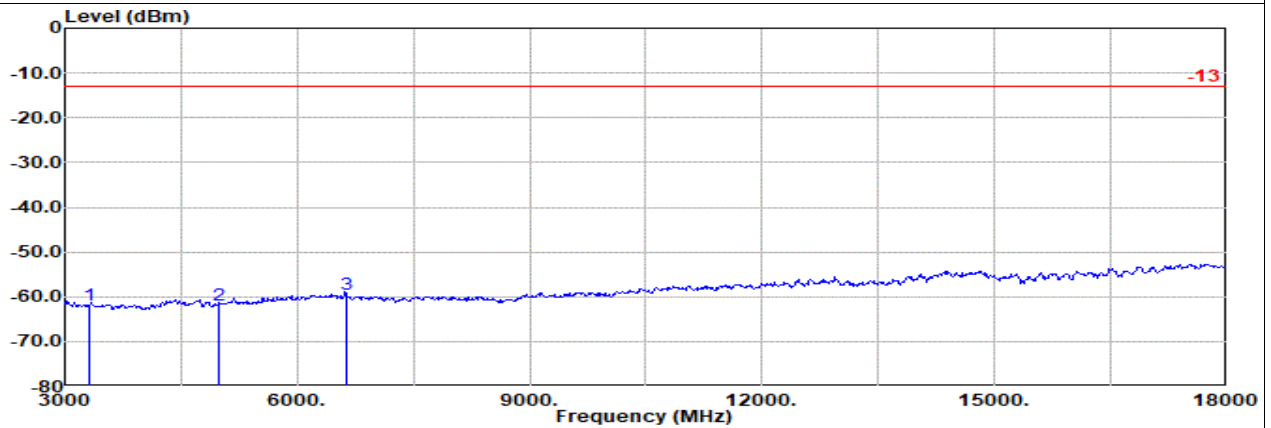


Site : 03CH07-HY

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		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3315.00	-61.74	RMS	33.00	-49.28	0.99	-95.23	48.78	-13.00	-48.74 Horizontal
2	4980.00	-62.12	RMS	34.36	-46.73	0.50	-95.23	44.98	-13.00	-49.12 Horizontal
3	6645.00	-60.01	RMS	35.59	-42.39	0.68	-95.23	41.34	-13.00	-47.01 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		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3321.00	-61.95	RMS	33.00	-49.28	0.99	-95.23	48.57	-13.00	-48.95 Vertical
2	4980.00	-61.85	RMS	34.36	-46.73	0.50	-95.23	45.25	-13.00	-48.85 Vertical
3	6645.00	-59.33	RMS	35.59	-42.39	0.68	-95.23	42.02	-13.00	-46.33 Vertical

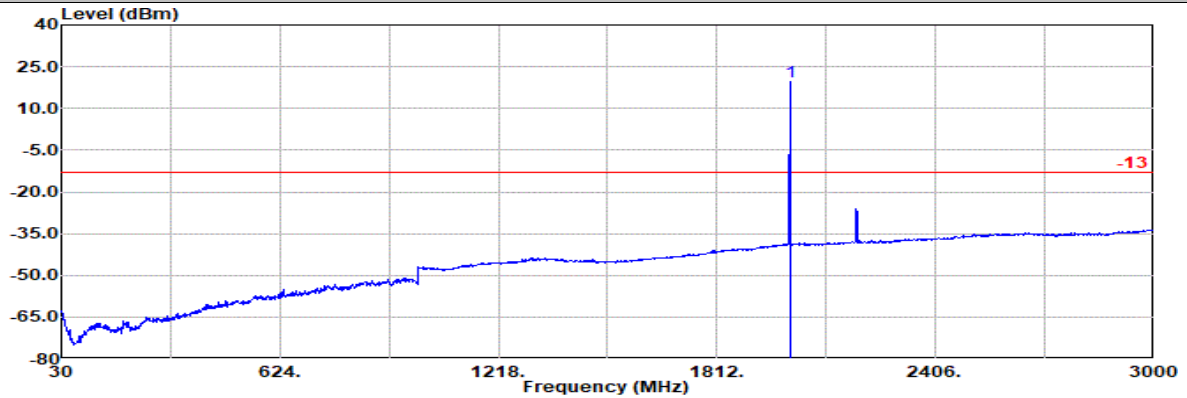


Antenna 1

Part 25 Mode 1

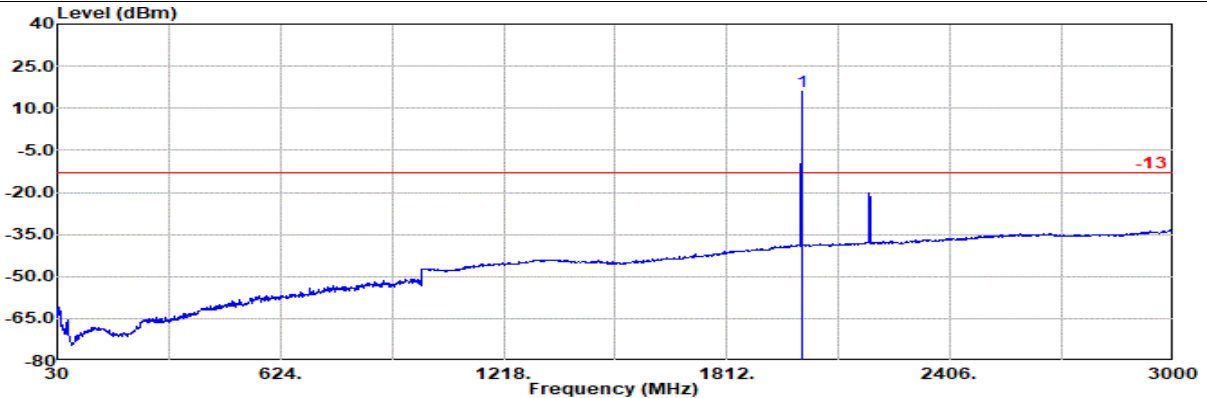
LTE B23 20M Ch25600 1RB0 QPSK

M



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Horizontal
Mode : LTE Band 23 20M CH25600 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm									
1	2010.00	19.71 RMS	31.90	7.77	0.00	-95.23	75.27	-13.00	32.71	Horizontal



Site : 03CH07-HY
Condition: -13 3m HF_ANT_00075962 Vertical
Mode : LTE Band 23 20M CH25600 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm									
1	2010.00	15.85 RMS	31.90	7.77	0.00	-95.23	71.41	-13.00	28.85	Vertical

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

————THE END————