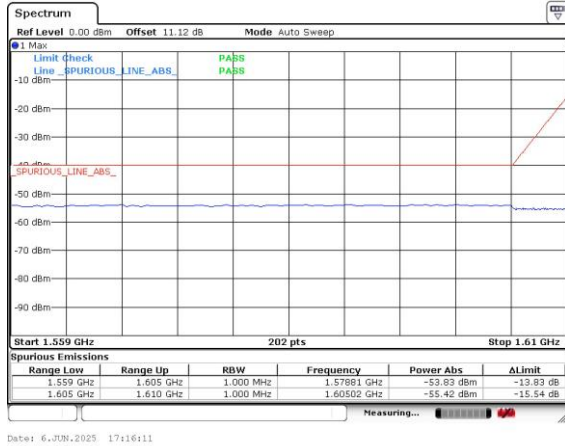




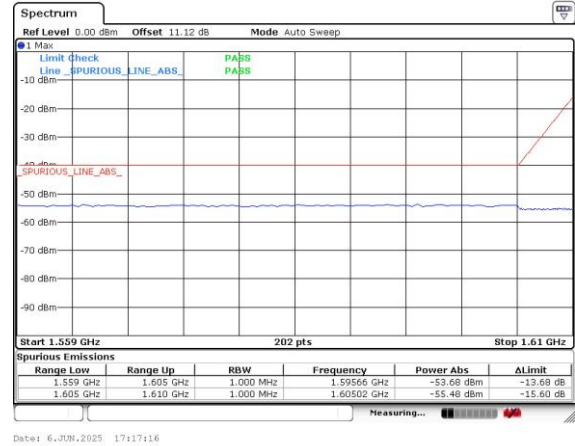
Band 255 SCS 15kHz

BPSK

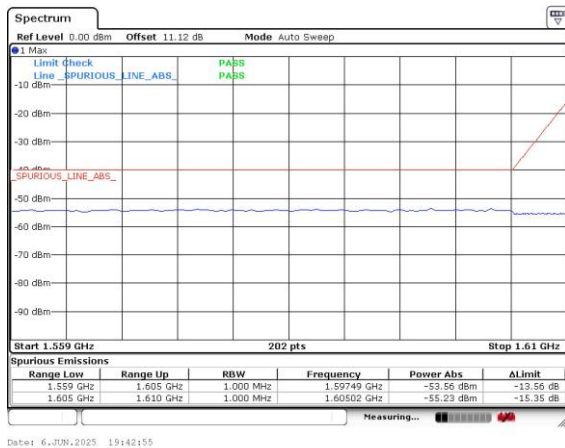
Lowest Channel / 1SC0 Broadband



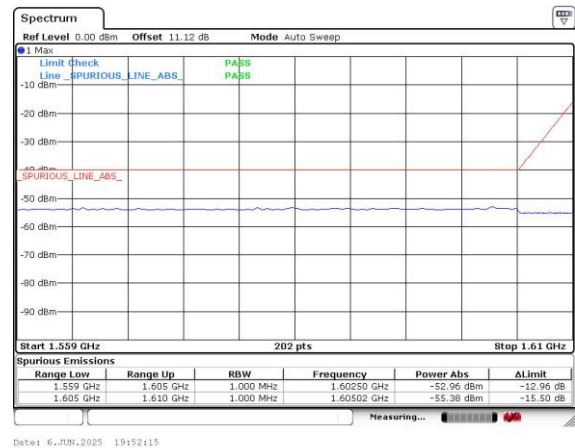
Lowest Channel / 1SC11 Broadband



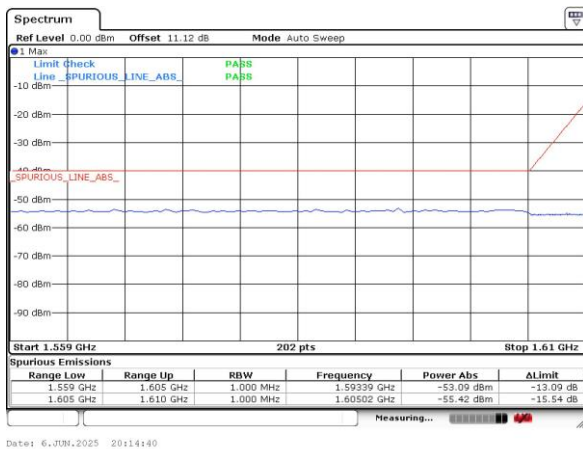
Middle Channel / 1SC0 Broadband



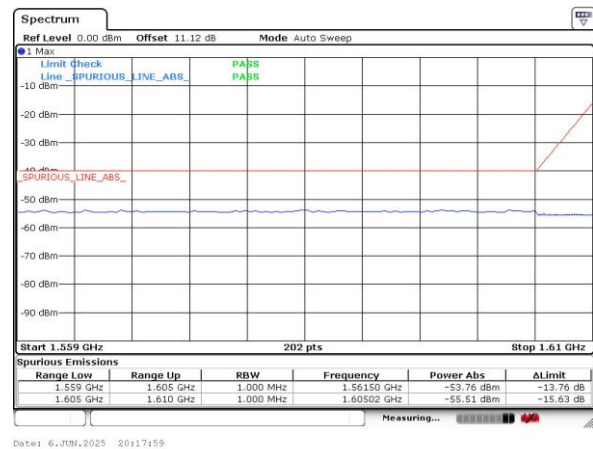
Middle Channel / 1SC11 Broadband



Highest Channel / 1SC0 Broadband

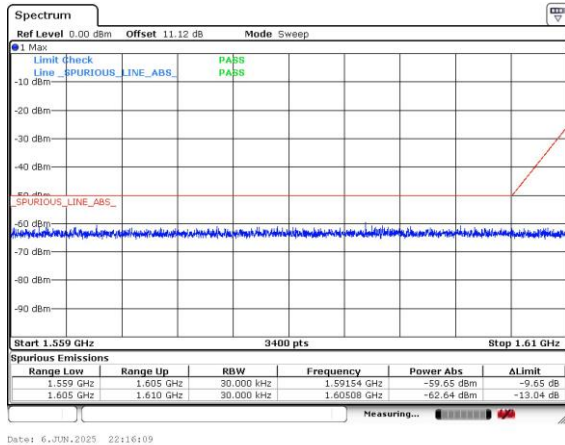


Highest Channel / 1SC11 Broadband

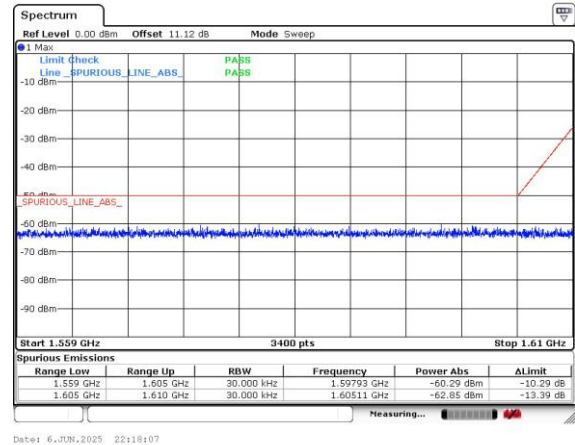




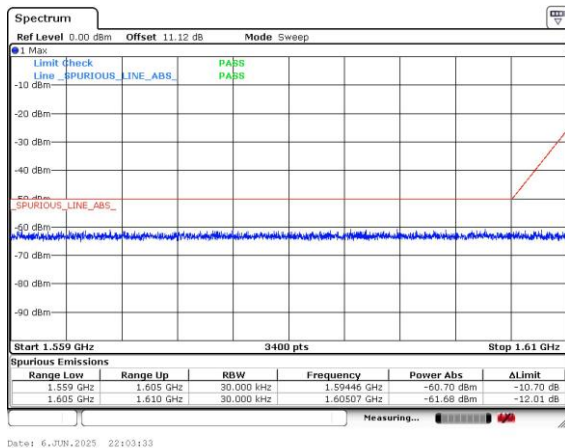
Lowest Channel / 1SC0 Discrete



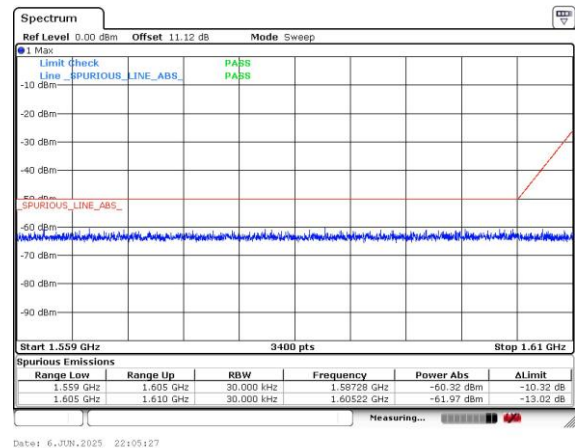
Lowest Channel / 1SC11 Discrete



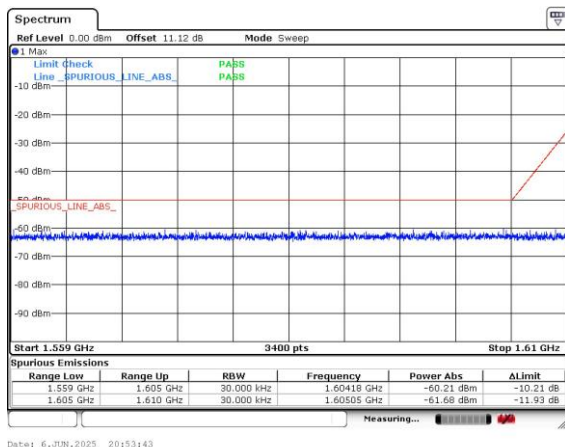
Middle Channel / 1SC0 Discrete



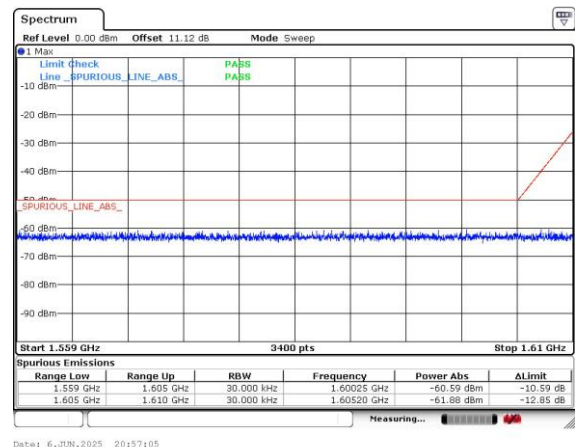
Middle Channel / 1SC11 Discrete



Highest Channel / 1SC0 Discrete



Highest Channel / 1SC11 Discrete

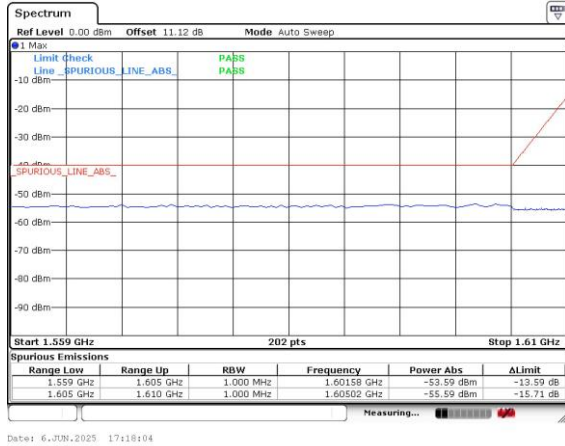




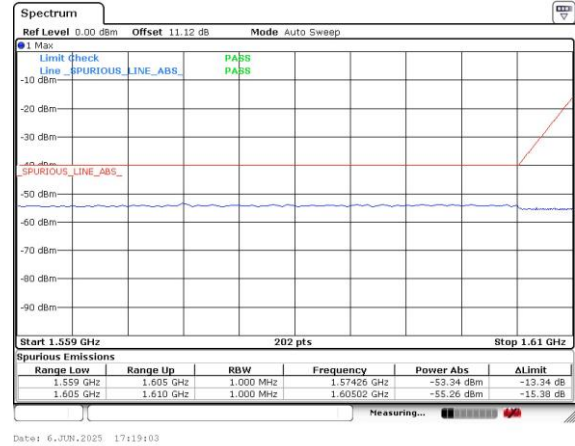
Band 255 SCS 15kHz

QPSK

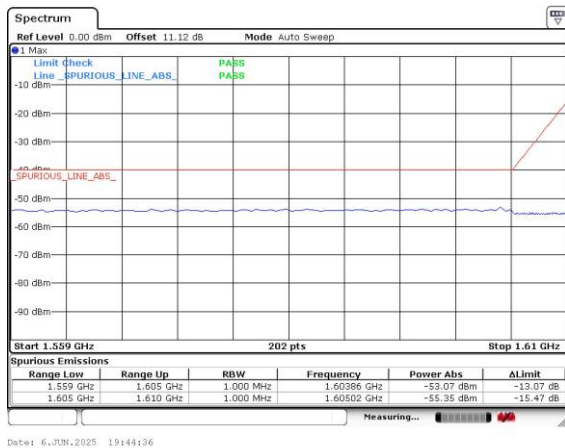
Lowest Channel / 1SC0 Broadband



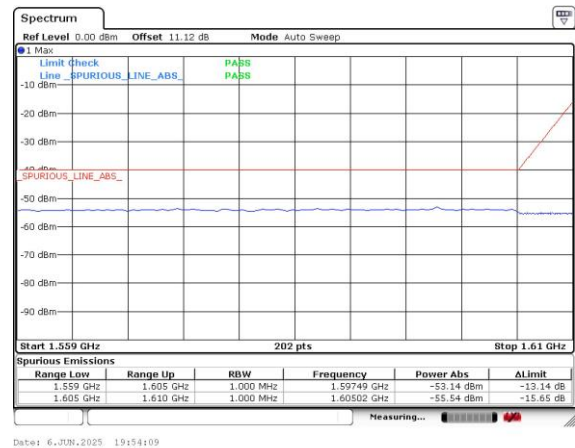
Lowest Channel / 1SC11 Broadband



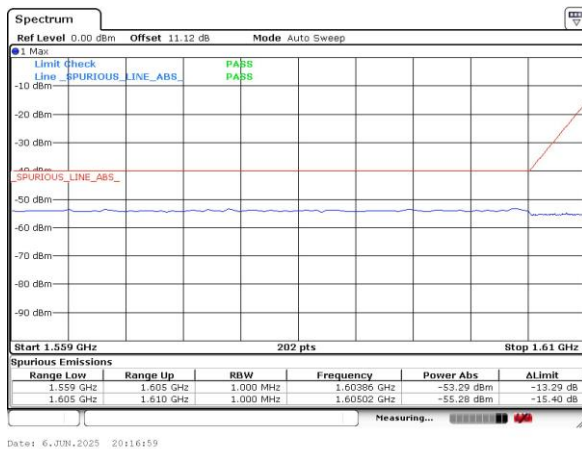
Middle Channel / 1SC0 Broadband



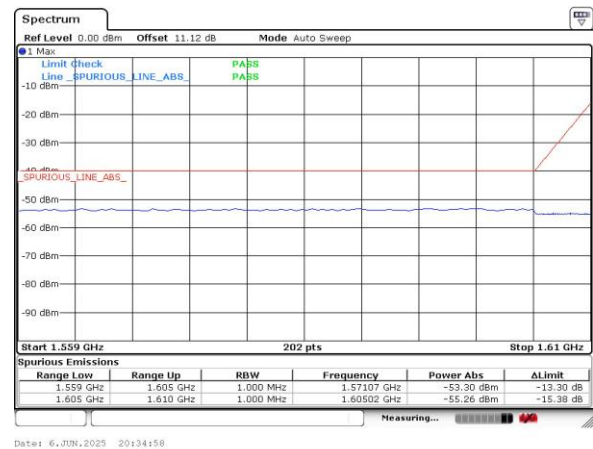
Middle Channel / 1SC11 Broadband



Highest Channel / 1SC0 Broadband

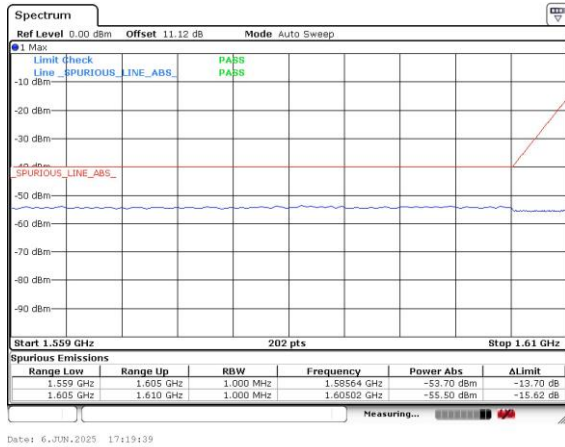


Highest Channel / 1SC11 Broadband

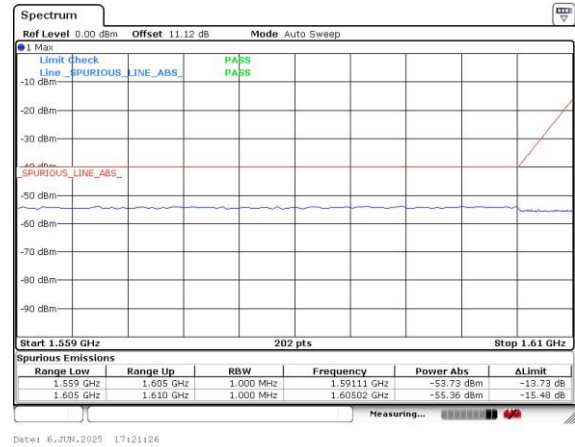




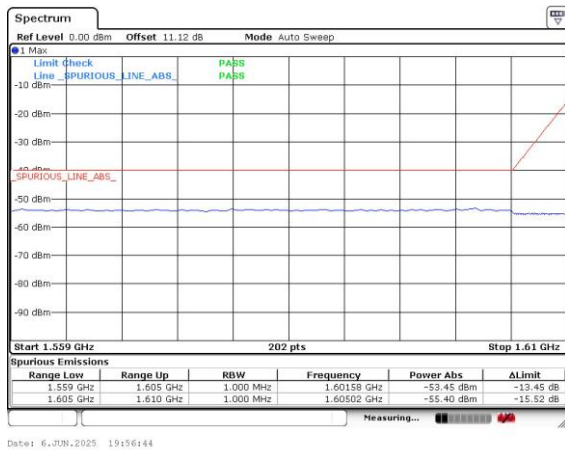
Lowest Channel / 3SC0 Broadband



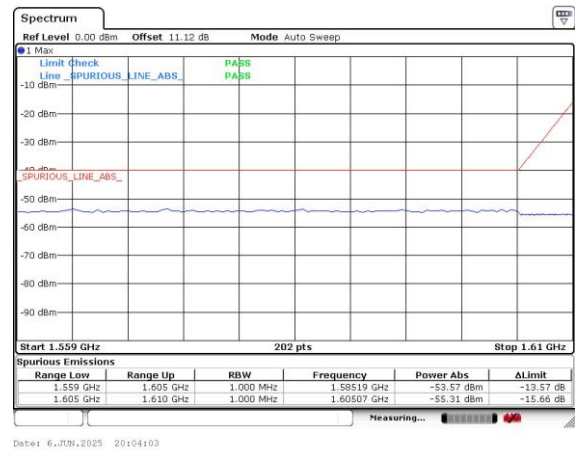
Lowest Channel / 3SC9 Broadband



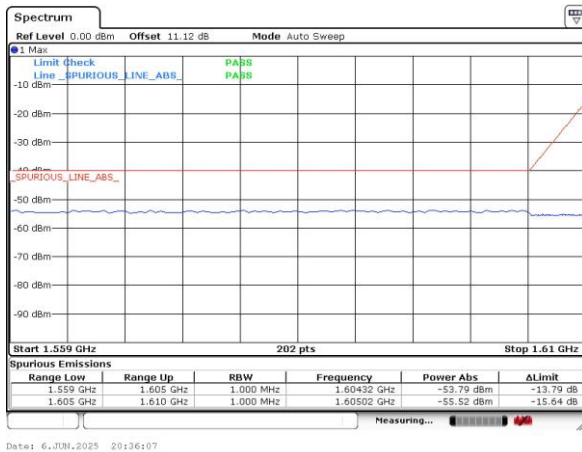
Middle Channel / 3SC0 Broadband



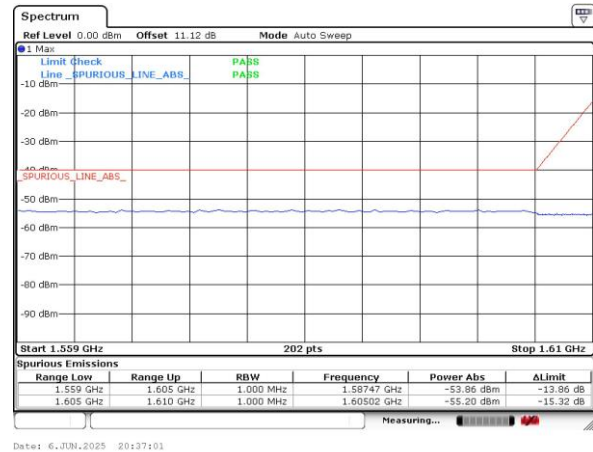
Middle Channel / 3SC9 Broadband



Highest Channel / 3SC0 Broadband

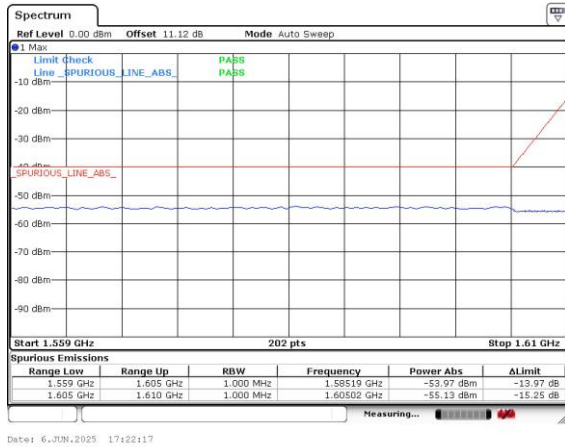


Highest Channel / 3SC9 Broadband

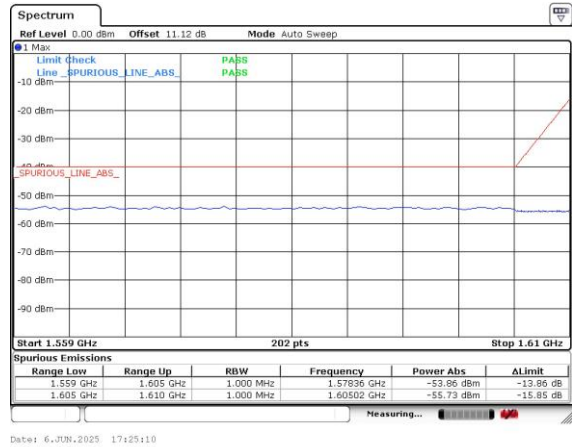




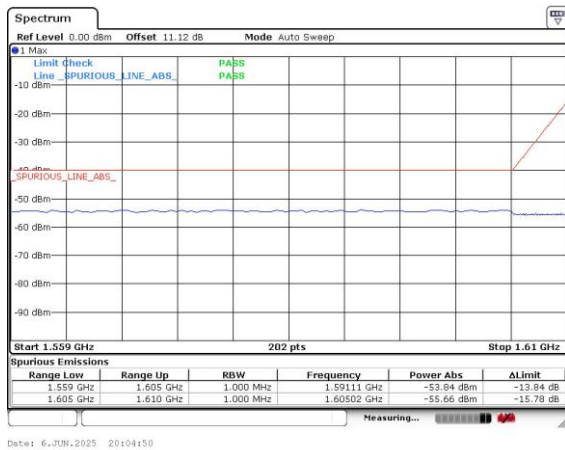
Lowest Channel / 6SC0 Broadband



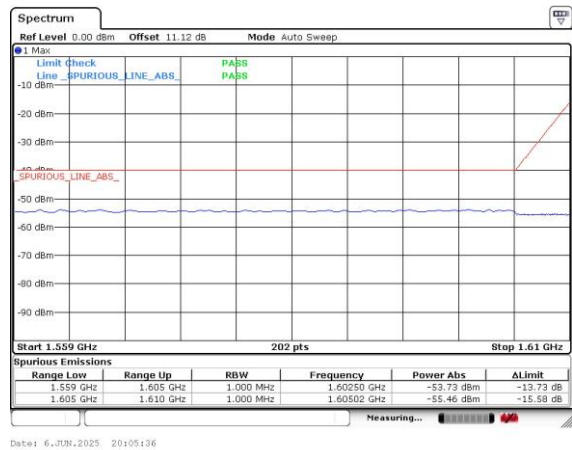
Lowest Channel / 6SC6 Broadband



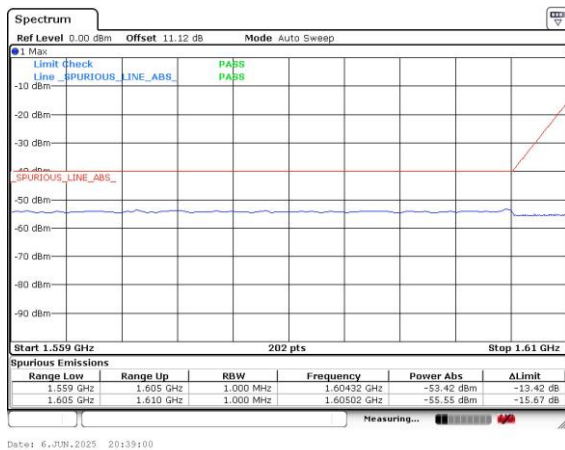
Middle Channel / 6SC0 Broadband



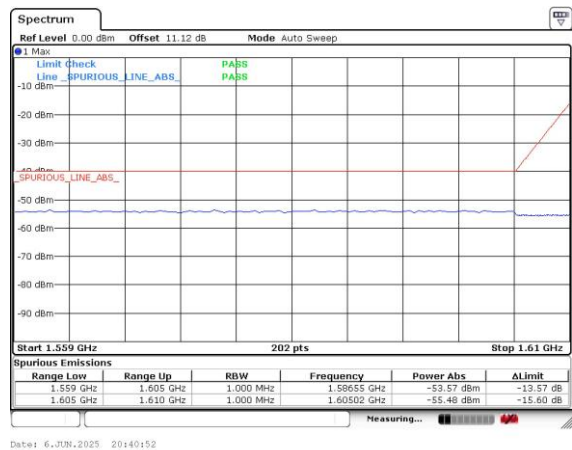
Middle Channel / 6SC6 Broadband



Highest Channel / 6SC0 Broadband

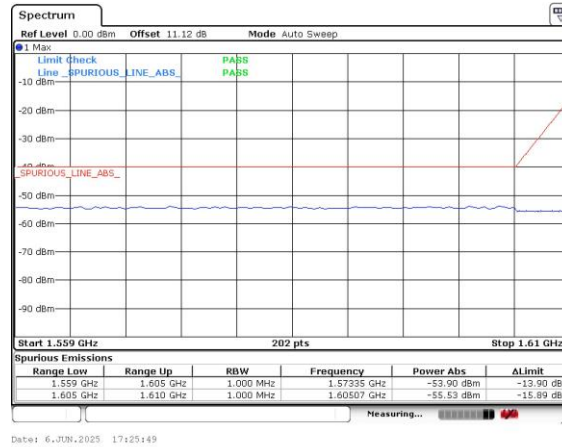


Highest Channel / 6SC6 Broadband

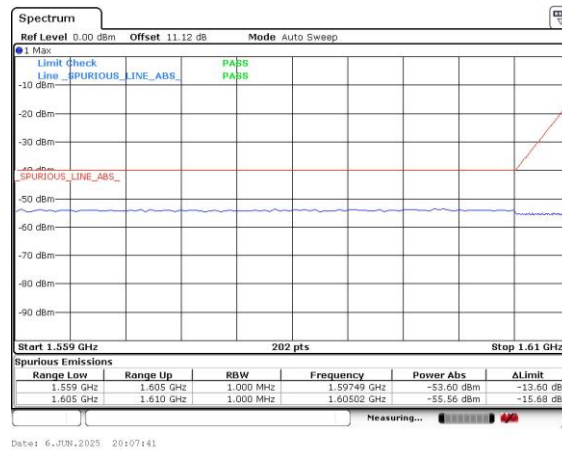




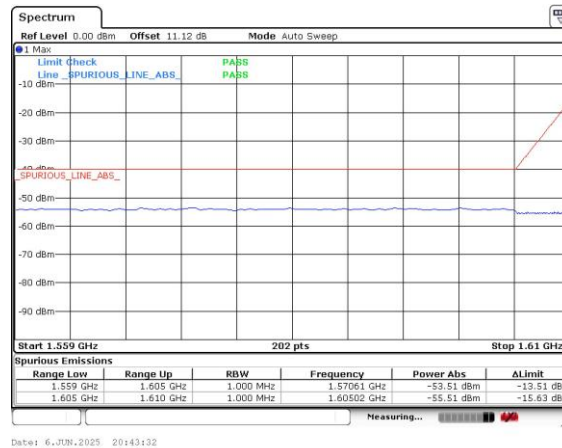
Lowest Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband

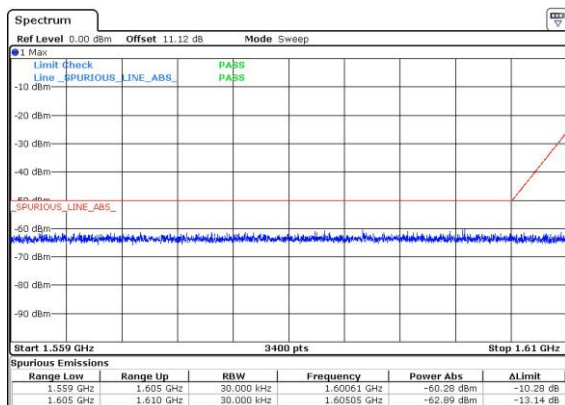


Highest Channel / 12SC0 Broadband



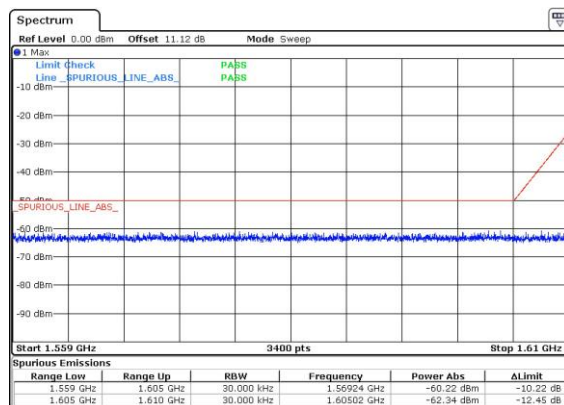


Lowest Channel / 1SC0 Discrete



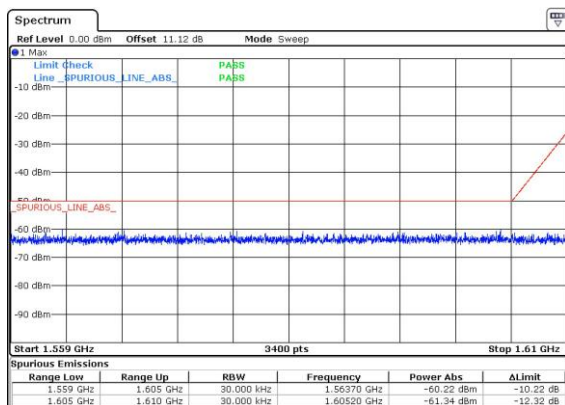
Date: 6 JUN 2025 22:17:13

Lowest Channel / 1SC11 Discrete



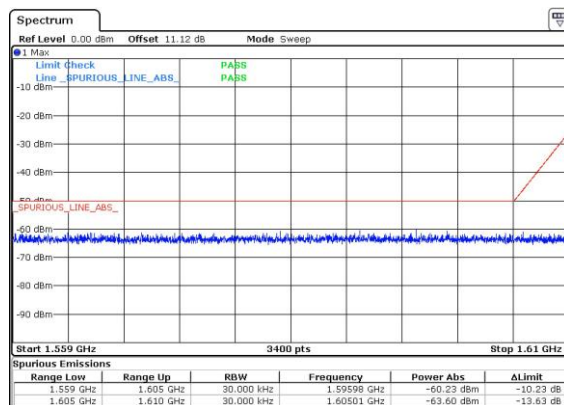
Date: 6 JUN 2025 22:19:14

Middle Channel / 1SC0 Discrete



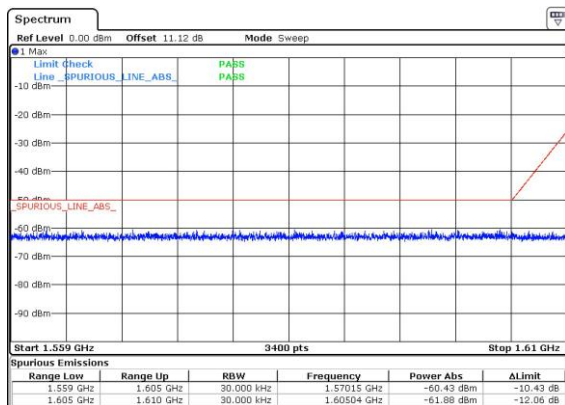
Date: 6 JUN 2025 22:04:36

Middle Channel / 1SC11 Discrete



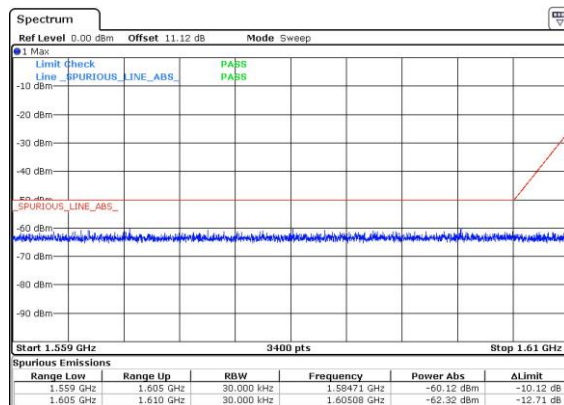
Date: 6 JUN 2025 22:06:16

Highest Channel / 1SC0 Discrete



Date: 6 JUN 2025 20:55:32

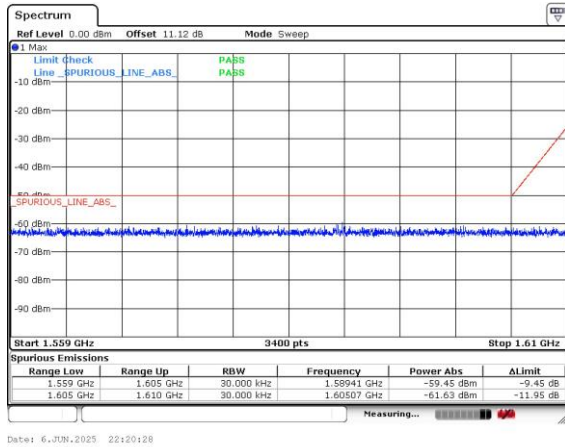
Highest Channel / 1SC11 Discrete



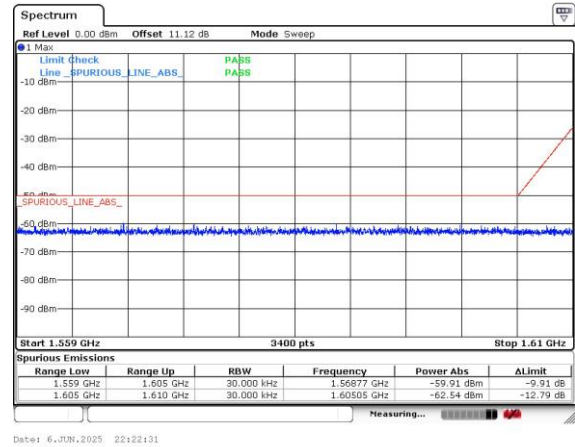
Date: 6 JUN 2025 20:58:02



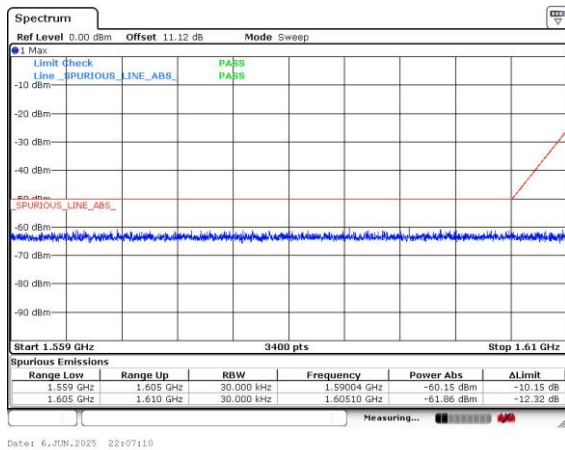
Lowest Channel / 3SC0 Discrete



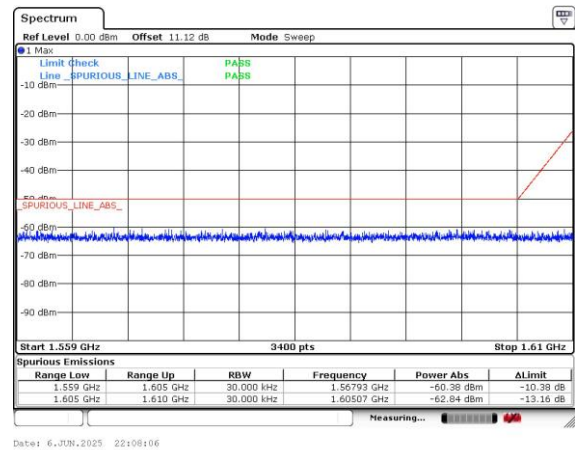
Lowest Channel / 3SC9 Discrete



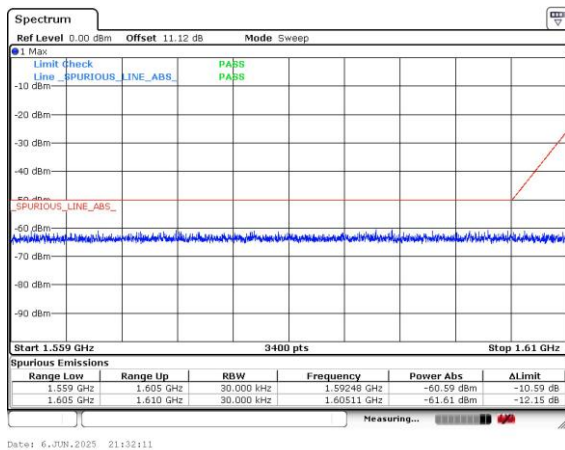
Middle Channel / 3SC0 Discrete



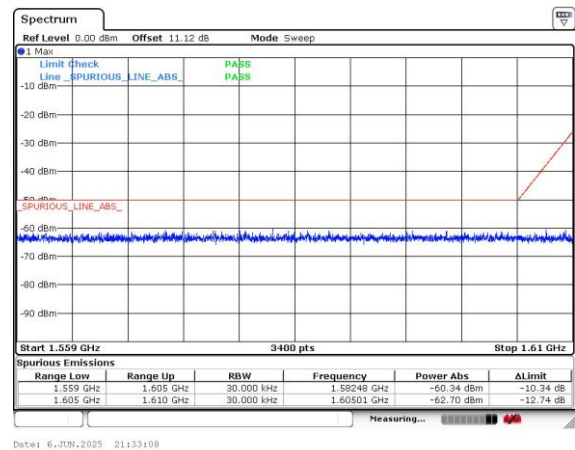
Middle Channel / 3SC9 Discrete



Highest Channel / 3SC0 Discrete

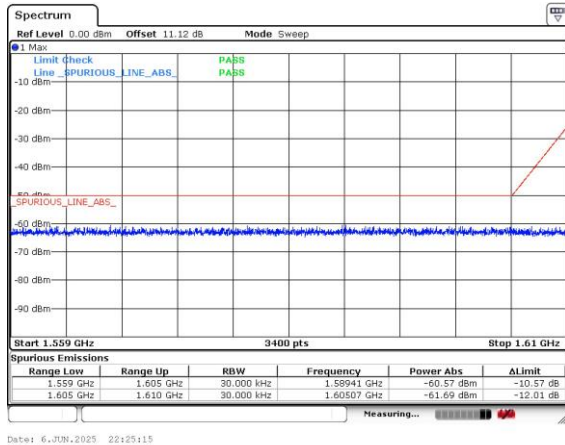


Highest Channel / 3SC9 Discrete

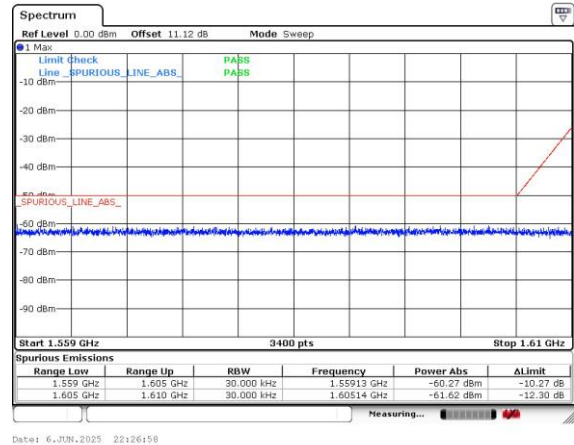




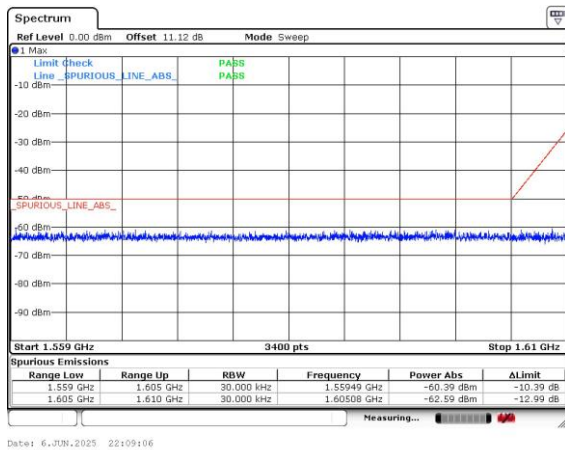
Lowest Channel / 6SC0 Discrete



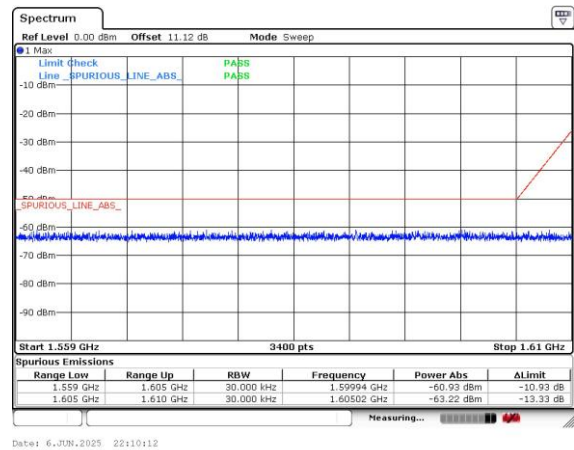
Lowest Channel / 6SC6 Discrete



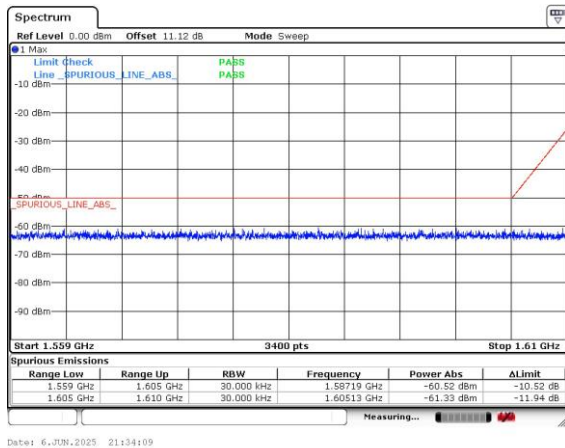
Middle Channel / 6SC0 Discrete



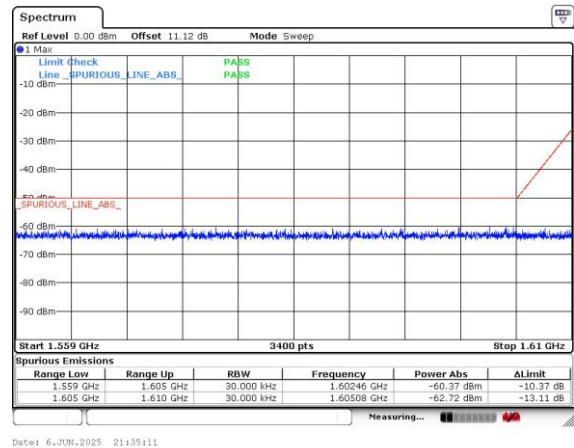
Middle Channel / 6SC6 Discrete



Highest Channel / 6SC0 Discrete

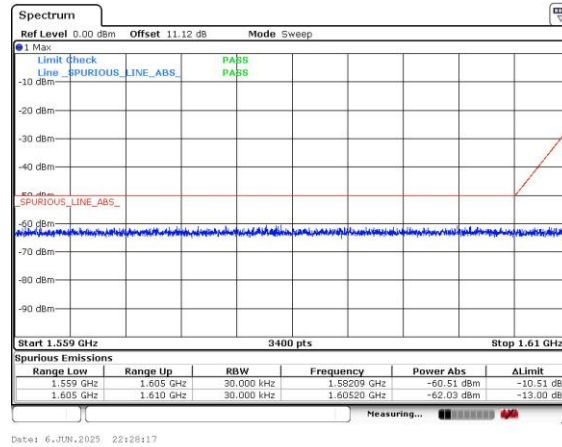


Highest Channel / 6SC6 Discrete

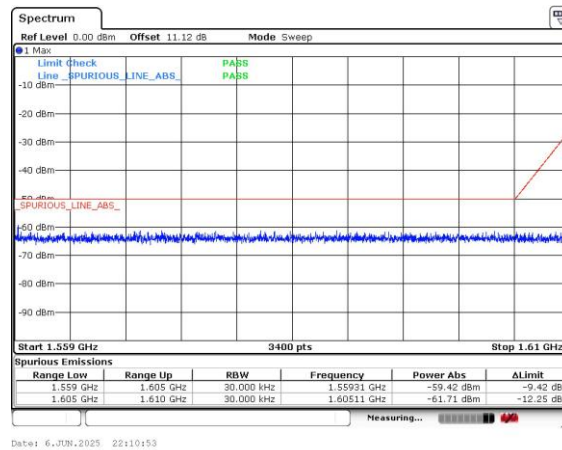




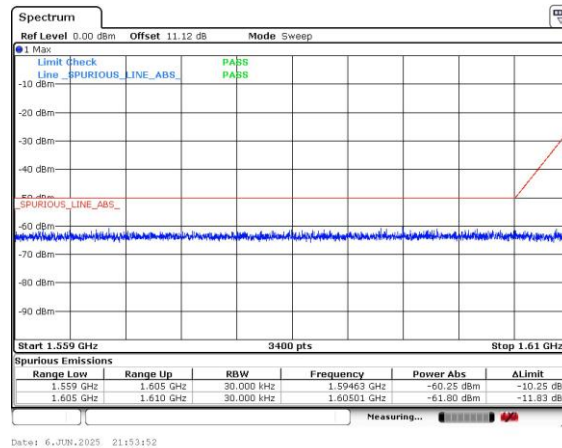
Lowest Channel / 12SC0 Discrete



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	0.0043	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage = 3.9 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)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 25	LTE B23	M	6030	-56.32	RMS	34.04	-54.11	0.21	-95.23	58.77	-13.00	-43.32	H	5
2	Part 25	LTE B255	L	6506	-60.35	RMS	35.04	-53.83	0.19	-95.23	53.48	-13.00	-47.35	H	5

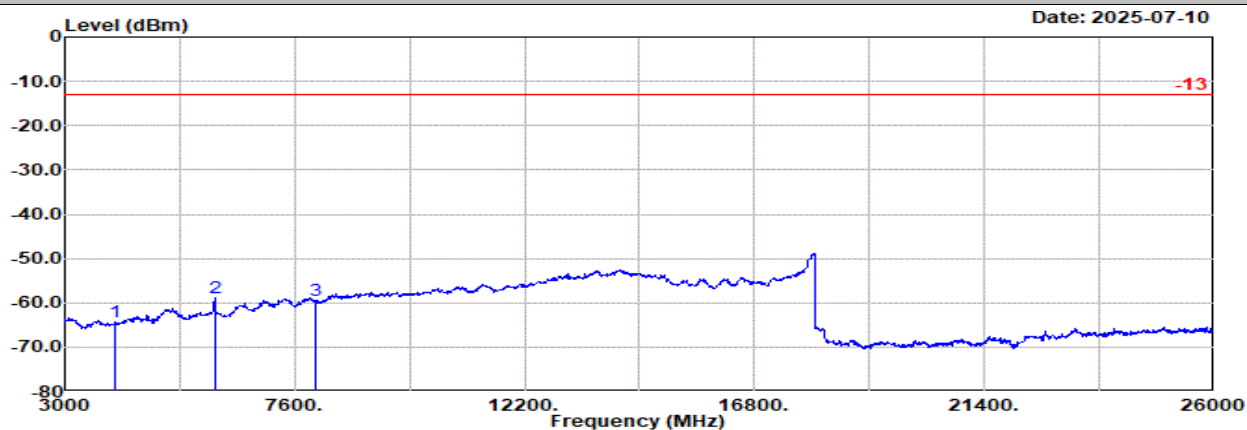


Ant 5

Part 25 Mode 1

LTE B23 20M Ch25501 1RB0 QPSK

L

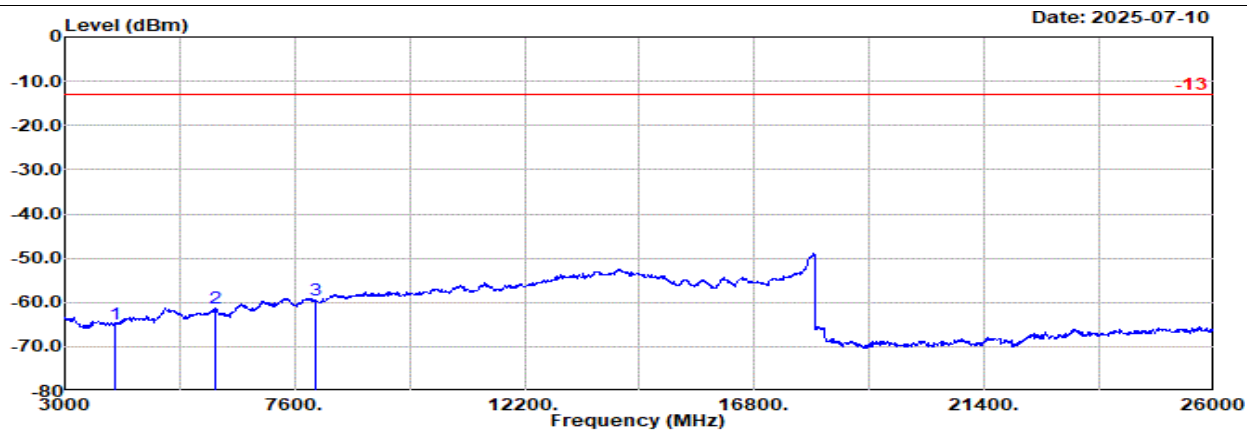


Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Horizontal

: LTE Band 23 20M Ch25501 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4000.00	-64.33	RMS	30.90	-57.61	0.55	-95.23	57.06	-13.00	-51.33	Horizontal
2	6000.00	-58.76	RMS	34.10	-54.12	0.22	-95.23	56.27	-13.00	-45.76	Horizontal
3	8000.00	-59.52	RMS	36.90	-53.53	0.14	-95.23	52.20	-13.00	-46.52	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Vertical

: LTE Band 23 20M Ch25501 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4000.00	-65.02	RMS	30.90	-57.61	0.55	-95.23	56.37	-13.00	-52.02	Vertical
2	6000.00	-61.33	RMS	34.10	-54.12	0.22	-95.23	53.70	-13.00	-48.33	Vertical
3	8000.00	-59.46	RMS	36.90	-53.53	0.14	-95.23	52.26	-13.00	-46.46	Vertical

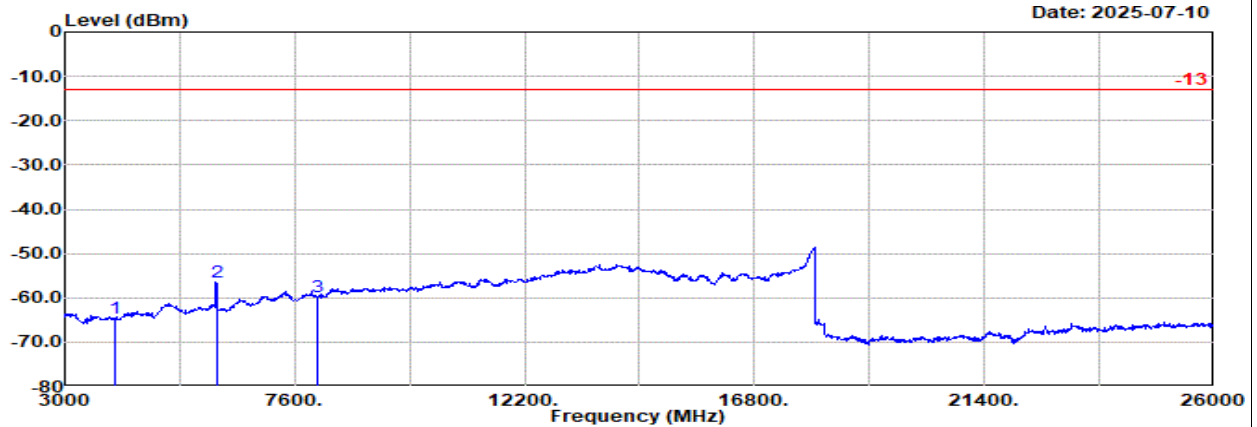


Ant 5

Part 25 Mode 1

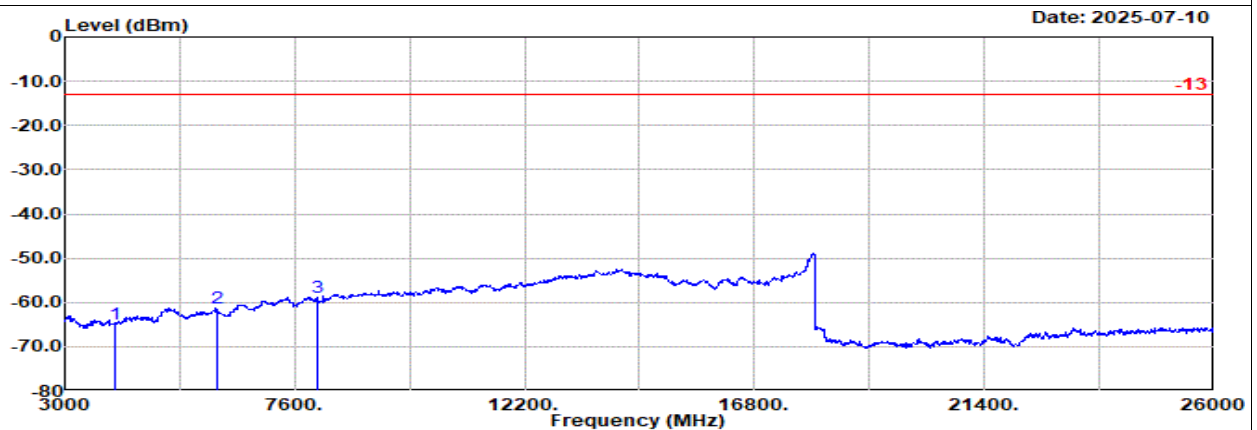
LTE B23 20M Ch25600 1RB0 QPSK

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02038-240729 Horizontal
: LTE Band 23 20M Ch25600 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	4020.00	-64.62	RMS	30.90	-57.61	0.54	-95.23	56.78	-13.00	-51.62	Horizontal
2	6030.00	-56.32	RMS	34.04	-54.11	0.21	-95.23	58.77	-13.00	-43.32	Horizontal
3	8040.00	-59.72	RMS	36.90	-53.52	0.14	-95.23	51.99	-13.00	-46.72	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02038-240729 Vertical
: LTE Band 23 20M Ch25600 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	4020.00	-64.87	RMS	30.90	-57.61	0.54	-95.23	56.53	-13.00	-51.87	Vertical
2	6030.00	-61.42	RMS	34.04	-54.11	0.21	-95.23	53.67	-13.00	-48.42	Vertical
3	8040.00	-59.00	RMS	36.90	-53.52	0.14	-95.23	52.71	-13.00	-46.00	Vertical

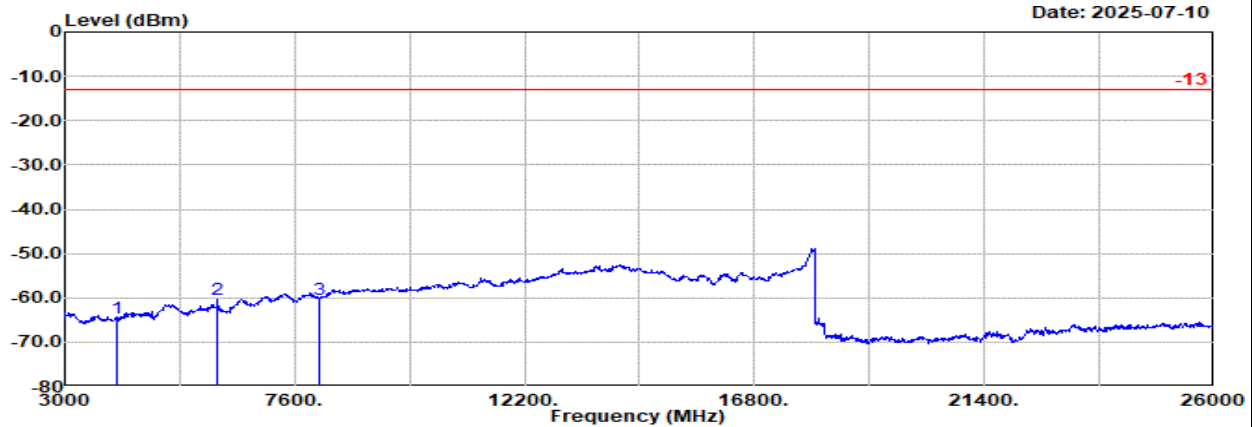


Ant 5

Part 25 Mode 1

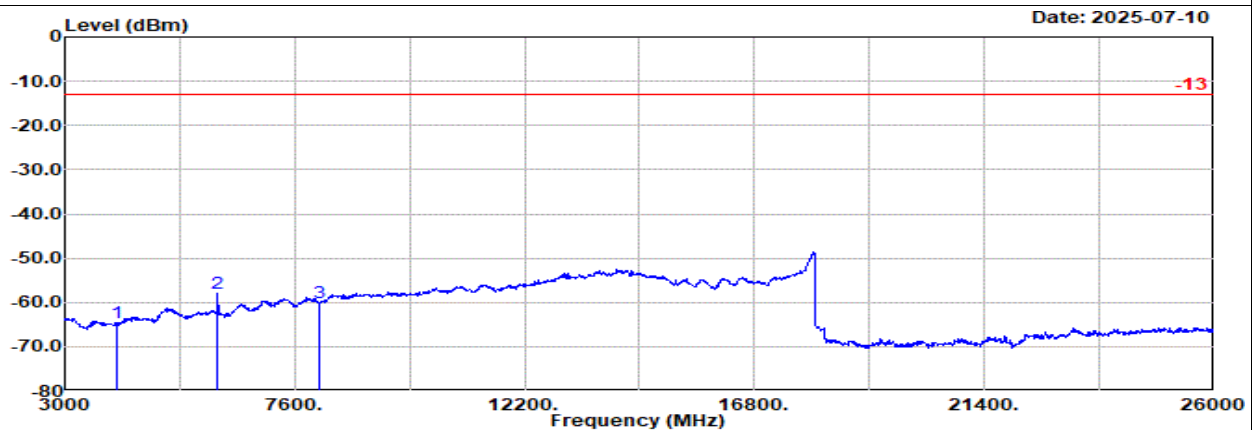
LTE B23 20M Ch25699 1RB0 QPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02038-240729 Horizontal
: 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	-64.54	RMS	30.90	-57.60	0.53	-95.23	56.86	-13.00	-51.54 Horizontal
2	6060.00	-60.29	RMS	34.00	-54.10	0.20	-95.23	54.84	-13.00	-47.29 Horizontal
3	8080.00	-60.25	RMS	36.90	-53.50	0.13	-95.23	51.45	-13.00	-47.25 Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02038-240729 Vertical
: 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	-64.52	RMS	30.90	-57.60	0.53	-95.23	56.88	-13.00	-51.52 Vertical
2	6060.00	-58.05	RMS	34.00	-54.10	0.20	-95.23	57.08	-13.00	-45.05 Vertical
3	8080.00	-60.07	RMS	36.90	-53.50	0.13	-95.23	51.63	-13.00	-47.07 Vertical

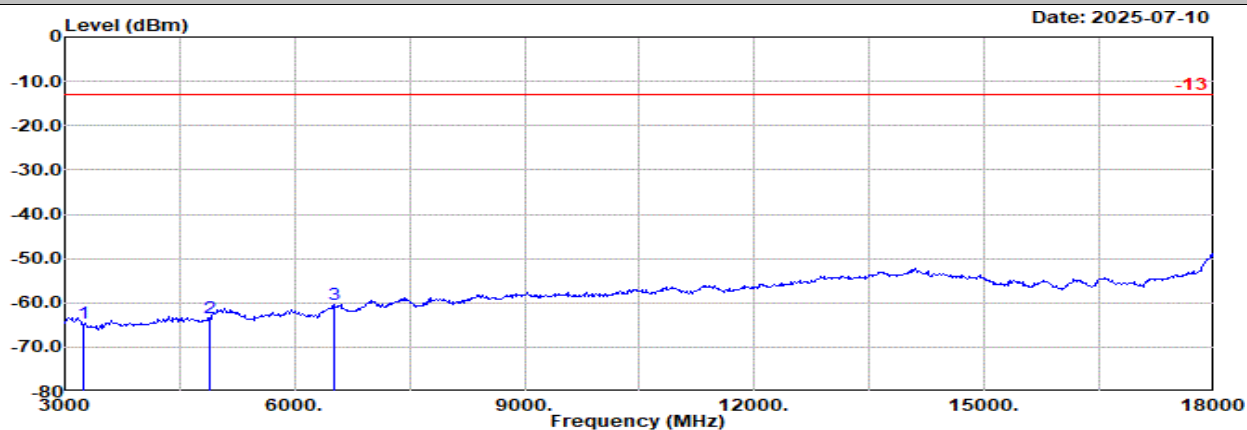


Ant 5

Part 25 Mode 2

LTE B255 20M Ch261505 1RB0 QPSK

L

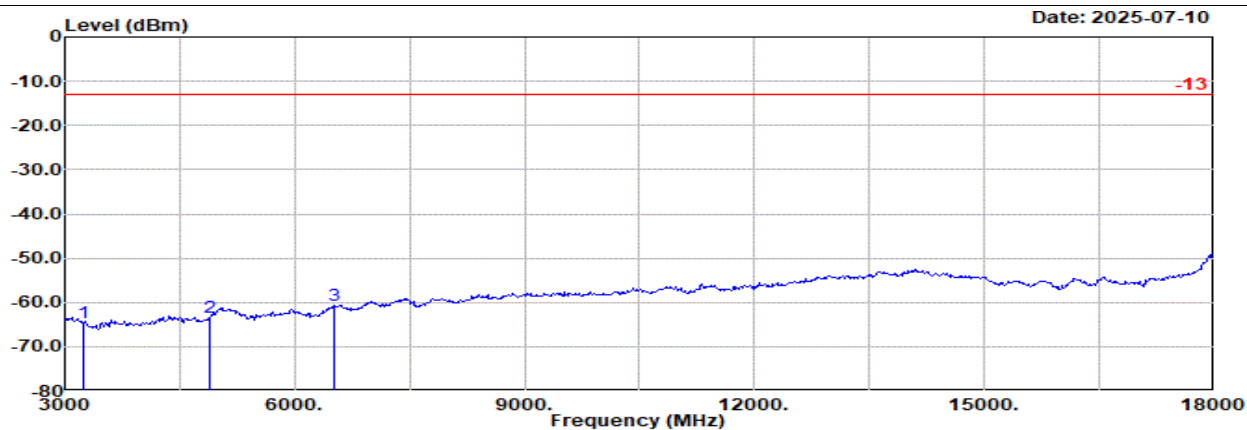


Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Horizontal

: LTE Band 255 20M Ch261505 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	Readin		Limit	Margin	Pol
				Factor	1		EIRPCF	g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3253.00	-64.63	RMS	29.59	-58.19	1.19	-95.23	58.01	-13.00	-51.63	Horizontal
2	4880.00	-63.27	RMS	32.56	-56.96	0.52	-95.23	55.84	-13.00	-50.27	Horizontal
3	6506.00	-60.35	RMS	35.04	-53.83	0.19	-95.23	53.48	-13.00	-47.35	Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Vertical

: LTE Band 255 20M Ch261505 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	Readin		Limit	Margin	Pol
				Factor	1		EIRPCF	g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3253.00	-64.51	RMS	29.59	-58.19	1.19	-95.23	58.13	-13.00	-51.51	Vertical
2	4880.00	-63.36	RMS	32.56	-56.96	0.52	-95.23	55.75	-13.00	-50.36	Vertical
3	6506.00	-60.70	RMS	35.04	-53.83	0.19	-95.23	53.13	-13.00	-47.70	Vertical

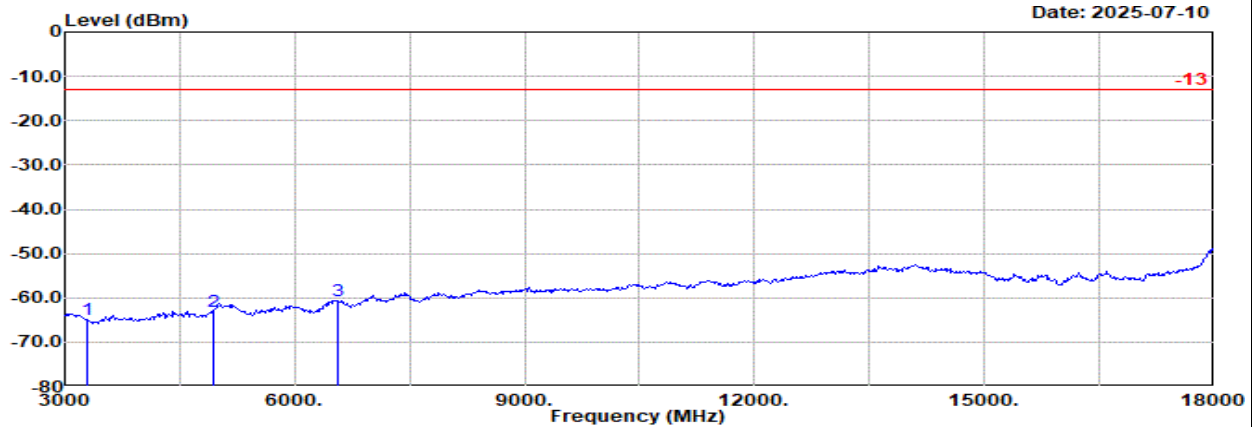


Ant 5

Part 25 Mode 2

LTE B255 20M Ch261674 1RB0 QPSK

M

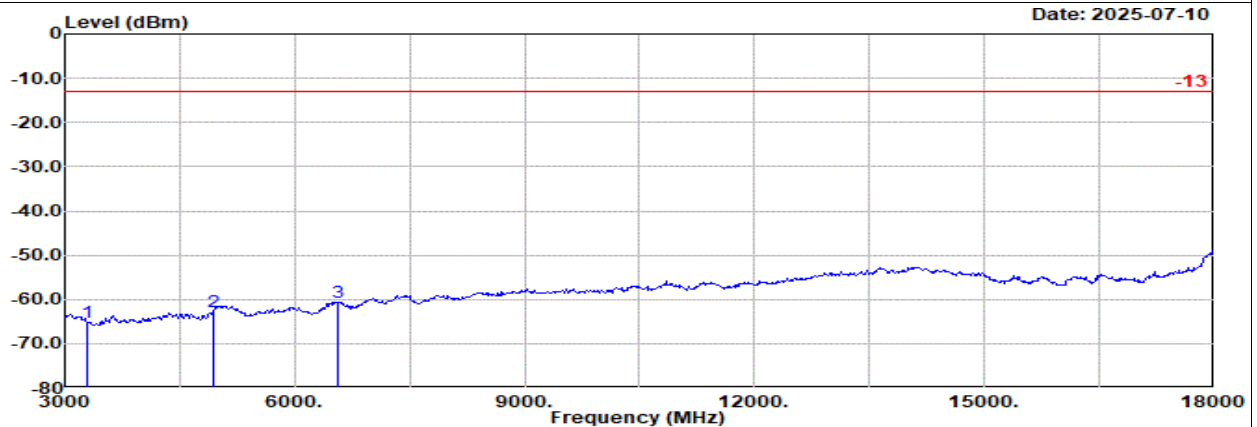


Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Horizontal

: 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	3287.00	-64.88	RMS	29.53	-58.14	1.13	-95.23	57.83	-13.00	-51.88 Horizontal
2	4935.00	-62.95	RMS	32.81	-56.81	0.57	-95.23	55.71	-13.00	-49.95 Horizontal
3	6570.00	-60.62	RMS	35.42	-53.82	0.17	-95.23	52.84	-13.00	-47.62 Horizontal



Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Vertical

: 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	3287.00	-65.20	RMS	29.53	-58.14	1.13	-95.23	57.51	-13.00	-52.20 Vertical
2	4935.00	-62.78	RMS	32.81	-56.81	0.57	-95.23	55.88	-13.00	-49.78 Vertical
3	6570.00	-60.75	RMS	35.42	-53.82	0.17	-95.23	52.71	-13.00	-47.75 Vertical

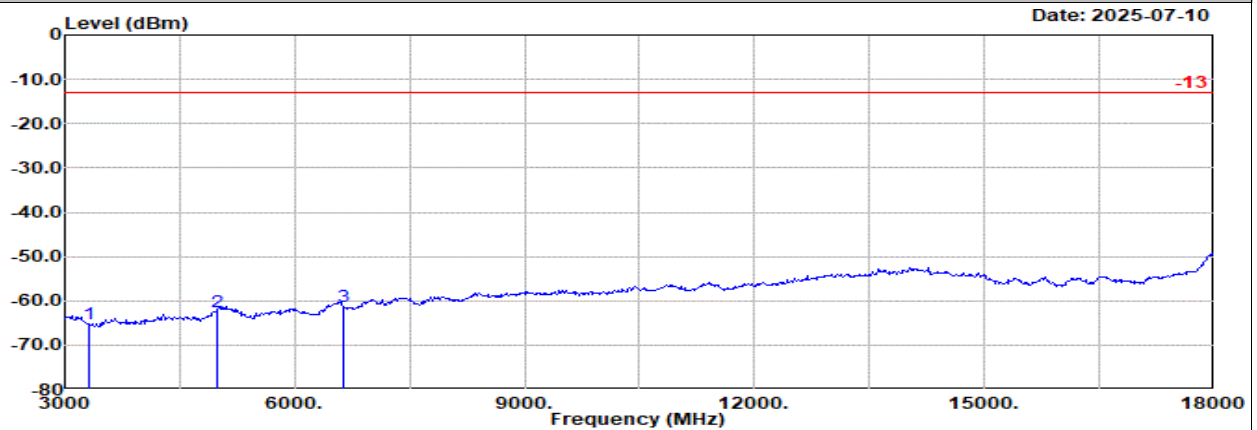


Ant 5

Part 25 Mode 2

LTE B255 20M Ch261843 1RB0 QPSK

H

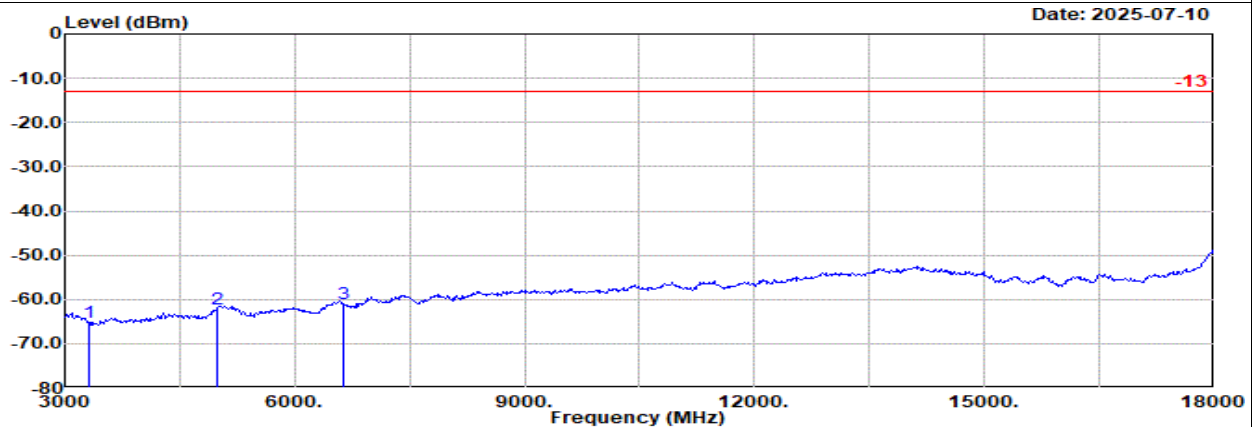


Site : 03CH12-HY

Condition: -13 3m 9120D-02038-240729 Horizontal

: LTE Band 255 20M Ch261843 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	Readin		Limit	Margin	Pol
				Factor	1		EIRPCF	g			
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	3321.00	-65.15	RMS	29.54	-58.10	1.07	-95.23	57.57	-13.00	-52.15	Horizontal
2	4981.00	-62.37	RMS	33.15	-56.69	0.61	-95.23	55.79	-13.00	-49.37	Horizontal
3	6642.00	-61.15	RMS	35.68	-53.81	0.17	-95.23	52.04	-13.00	-48.15	Horizontal



Site : 03CH12-HY

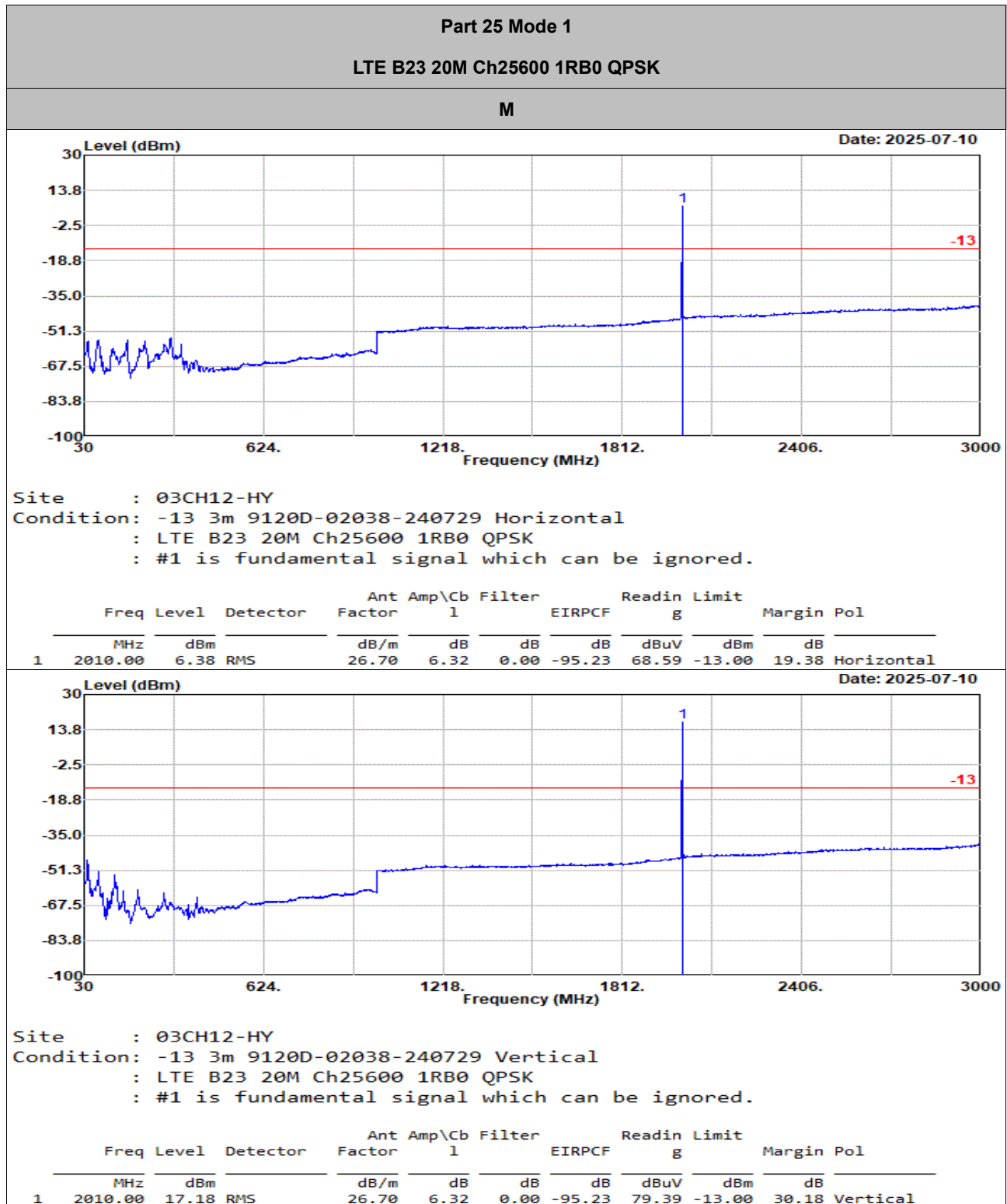
Condition: -13 3m 9120D-02038-240729 Vertical

: LTE Band 255 20M Ch261843 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	Readin		Limit	Margin	Pol
				Factor	1		EIRPCF	g			
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	3321.00	-65.21	RMS	29.54	-58.10	1.07	-95.23	57.51	-13.00	-52.21	Vertical
2	4981.00	-62.21	RMS	33.15	-56.69	0.61	-95.23	55.95	-13.00	-49.21	Vertical
3	6642.00	-61.10	RMS	35.68	-53.81	0.17	-95.23	52.09	-13.00	-48.10	Vertical



Ant 5



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

————THE END————