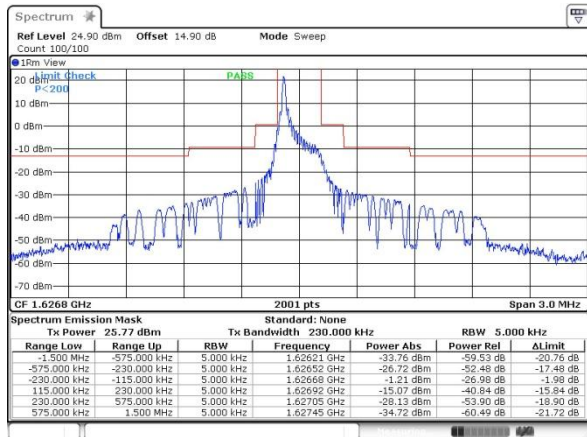




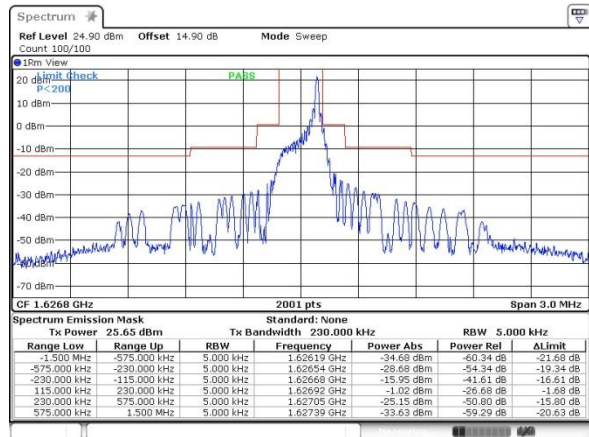
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / QPSK



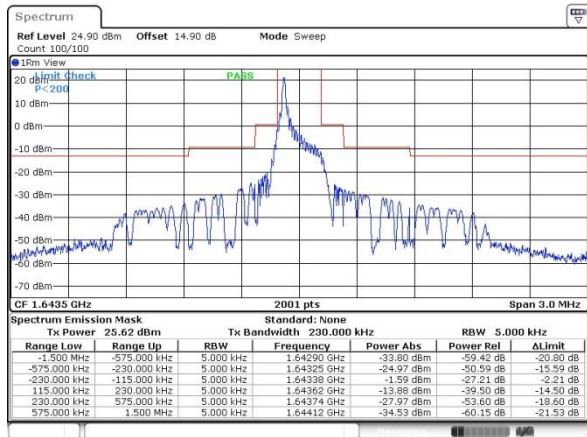
Date: 24.AUG.2026 20:05:05

Lowest Channel / 1SC11 / QPSK



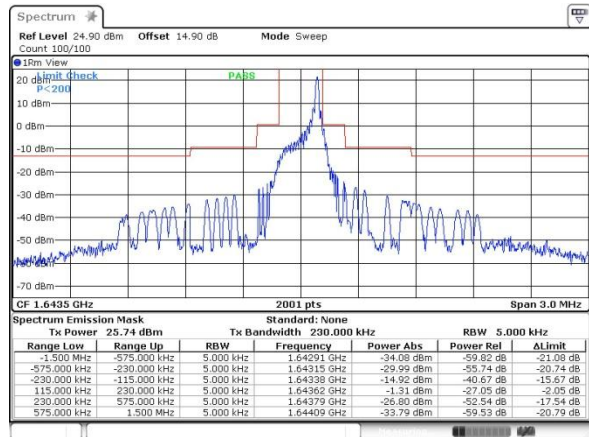
Date: 24.AUG.2026 20:24:42

Middle Channel / 1SC0 / QPSK



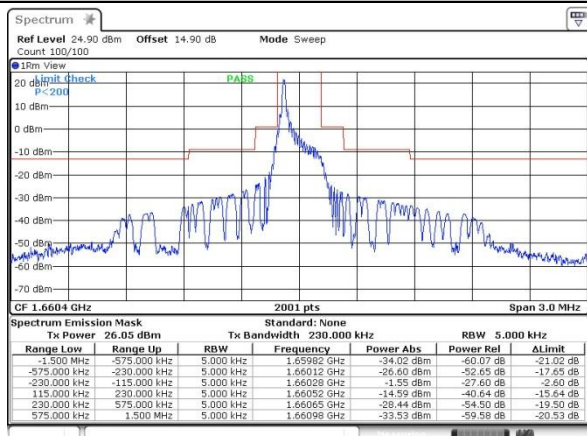
Date: 24.AUG.2026 20:34:43

Middle Channel / 1SC11 / QPSK



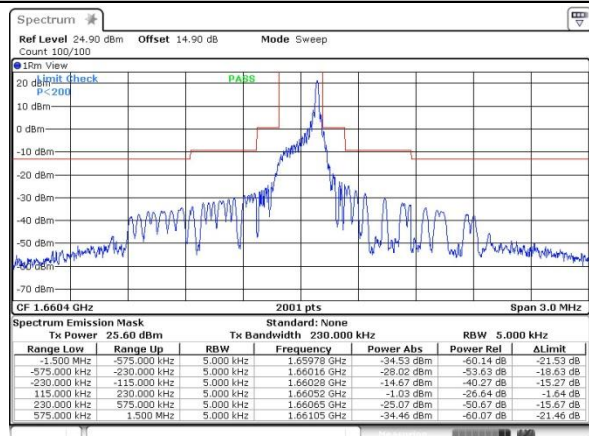
Date: 24.AUG.2026 20:42:45

Highest Channel / 1SC0 / QPSK



Date: 24.AUG.2026 21:33:34

Highest Channel / 1SC11 / QPSK

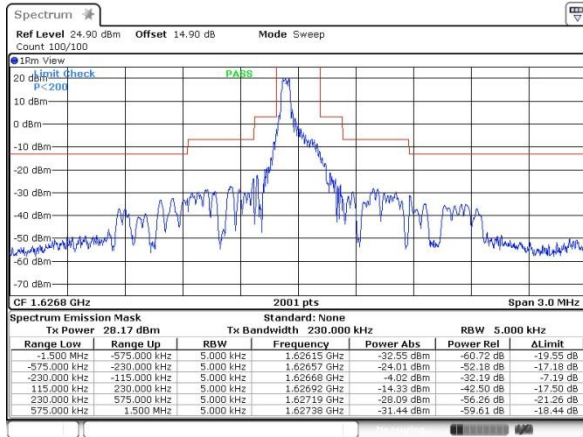


Date: 24.AUG.2026 21:36:47



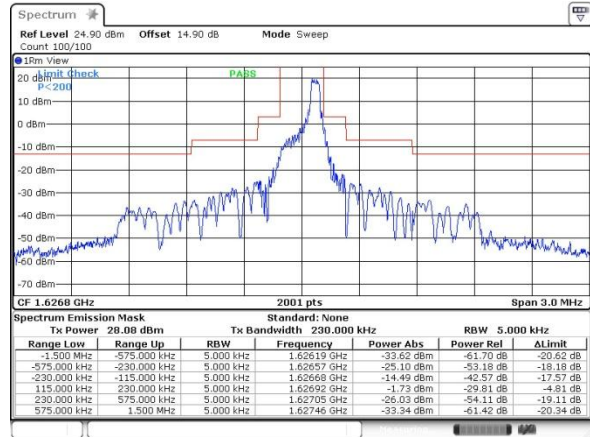
Band 255 SCS 15kHz

Lowest Channel / 3SC0 / QPSK



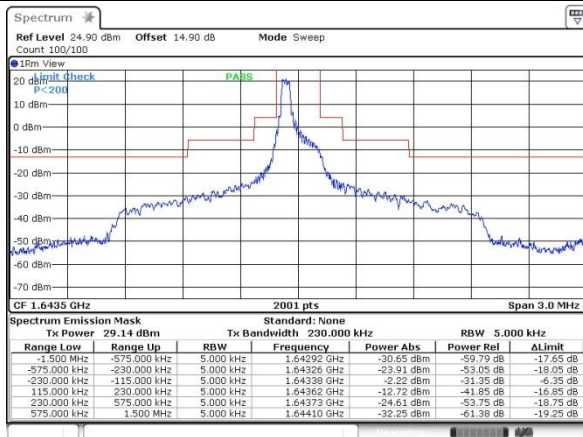
Date: 24.AUG.2026 20:10:29

Lowest Channel / 3SC9 / QPSK



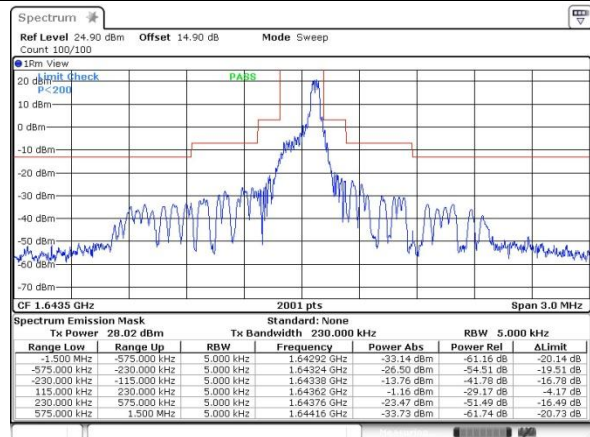
Date: 24.AUG.2026 20:11:27

Middle Channel / 3SC0 / QPSK



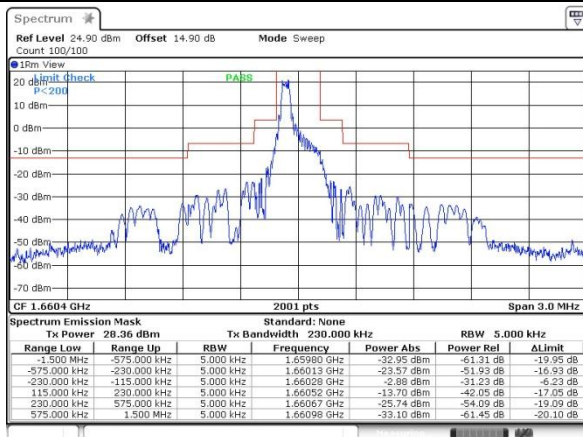
Date: 24.AUG.2026 21:02:53

Middle Channel / 3SC9 / QPSK



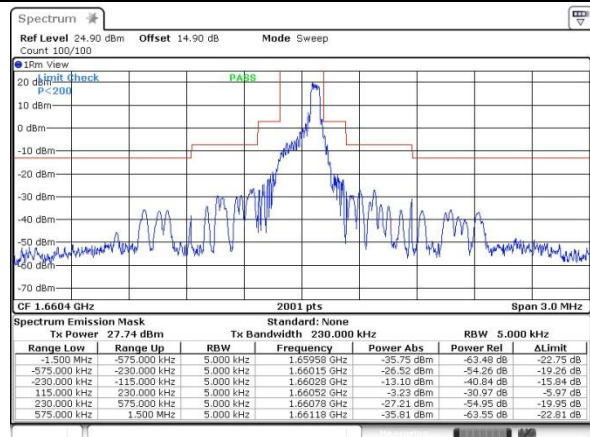
Date: 24.AUG.2026 21:05:57

Highest Channel / 3SC0 / QPSK



Date: 24.AUG.2026 21:26:20

Highest Channel / 3SC9 / QPSK

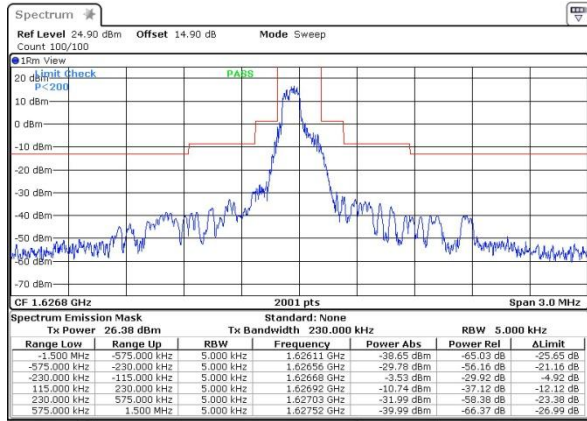


Date: 24.AUG.2026 21:28:36



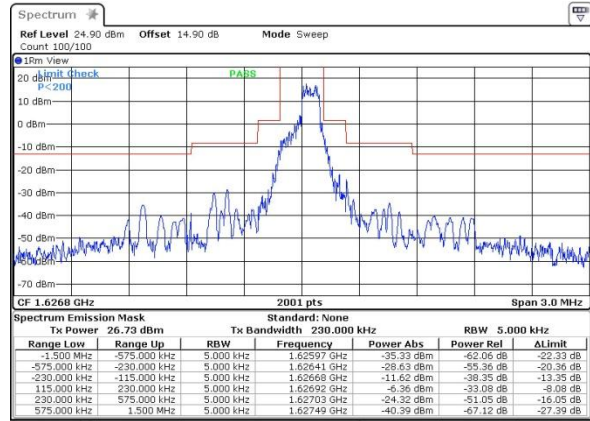
Band 255 SCS 15kHz

Lowest Channel / 6SC0 / QPSK



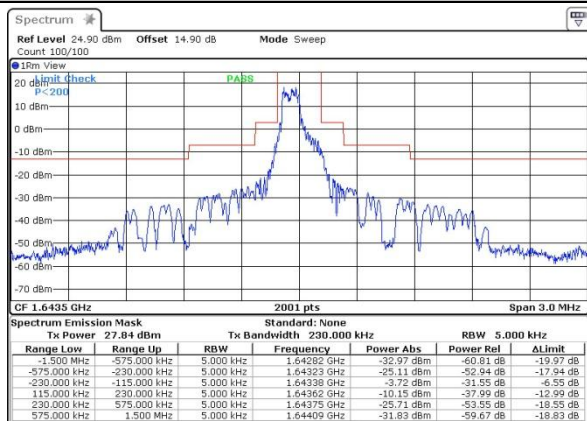
Date: 24.AUG.2026 20:19:03

Lowest Channel / 6SC6 / QPSK



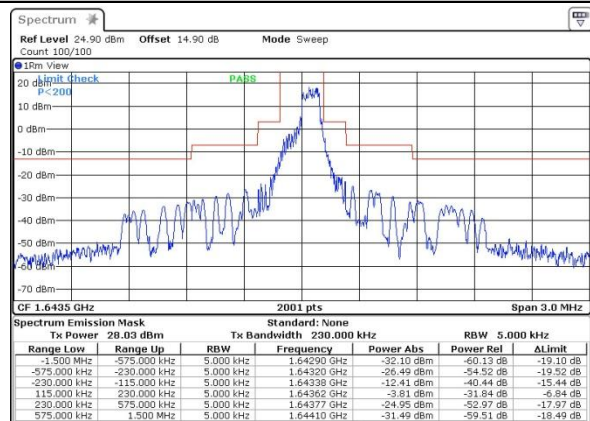
Date: 24.AUG.2026 20:16:25

Middle Channel / 6SC0 / QPSK



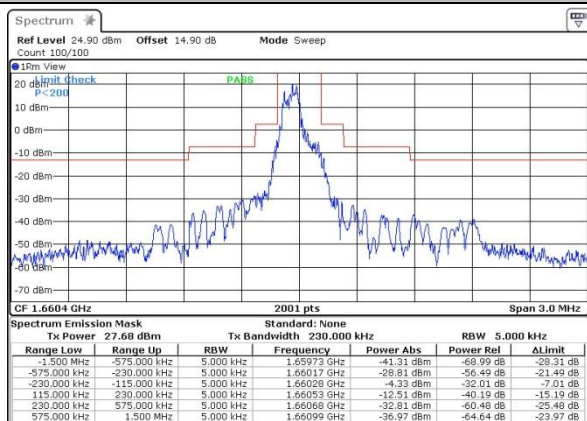
Date: 24.AUG.2026 21:10:47

Middle Channel / 6SC6 / QPSK



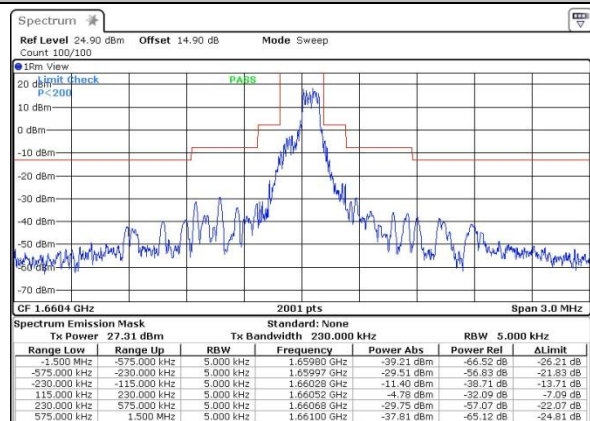
Date: 24.AUG.2026 21:13:12

Highest Channel / 6SC0 / QPSK



Date: 24.AUG.2026 21:21:39

Highest Channel / 6SC6 / QPSK



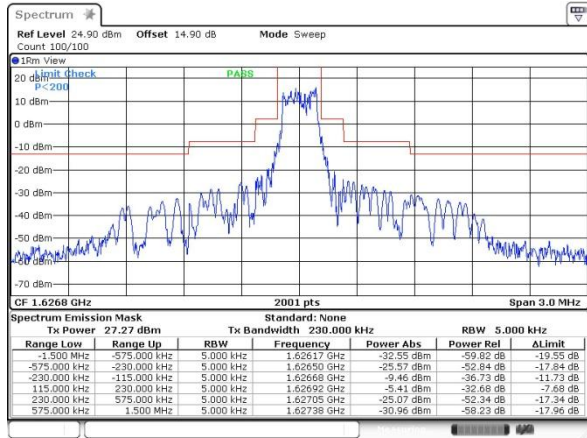
Date: 24.AUG.2026 21:23:17



Band 255 SCS 15kHz

Lowest Channel / 12SC0 / QPSK

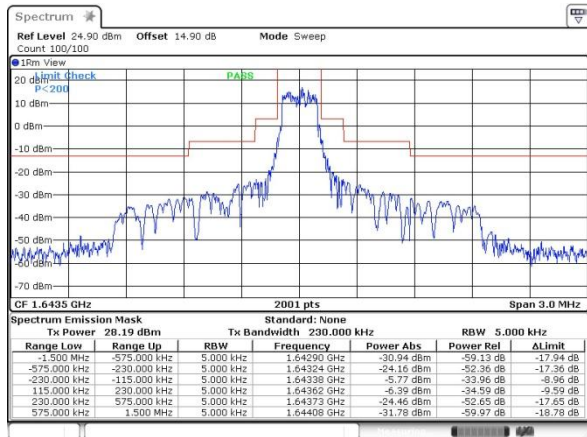
N/A



Date: 24.AUG.2026 20:21:50

Middle Channel / 12SC0 / QPSK

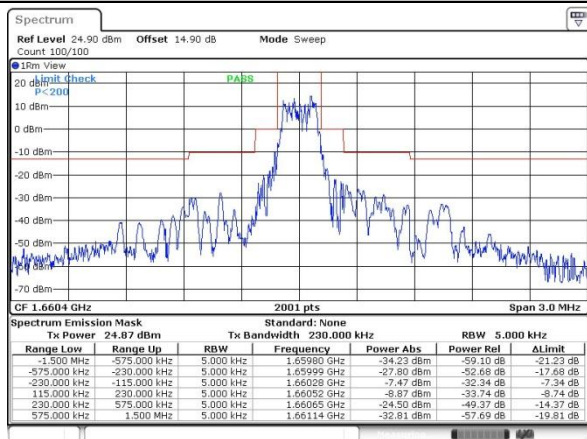
N/A



Date: 24.AUG.2026 21:16:43

Highest Channel / 12SC0 / QPSK

N/A



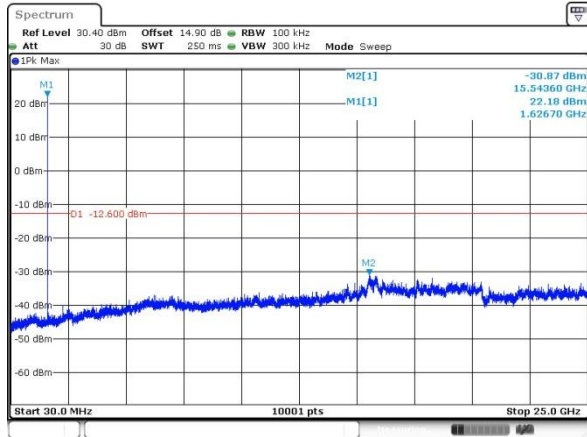
Date: 24.AUG.2026 21:19:27



Conducted Spurious Emission

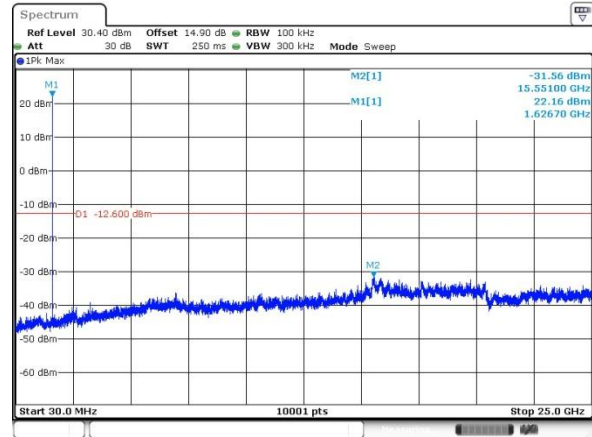
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK



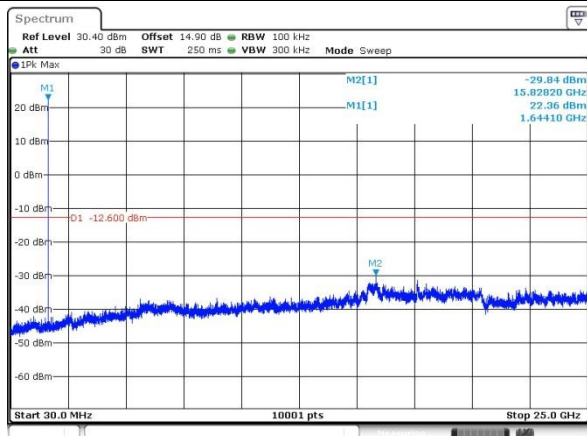
Date: 6.SEP.2026 19:36:52

Lowest Channel / 1SC0 / QPSK



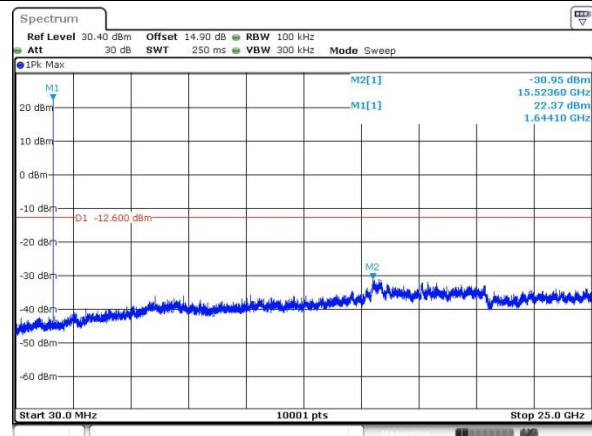
Date: 6.SEP.2026 19:37:29

Middle Channel / 1SC0 / BPSK



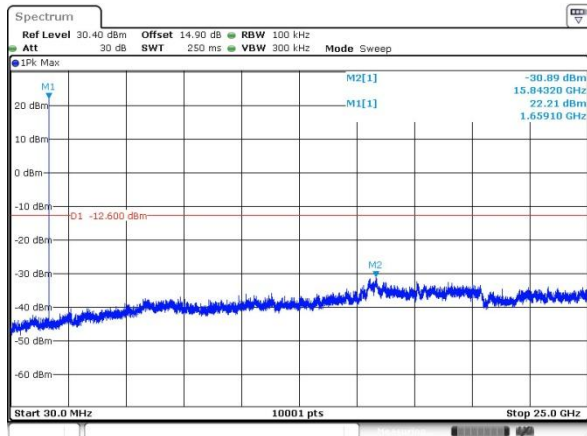
Date: 6.SEP.2026 19:38:55

Middle Channel / 1SC0 / QPSK



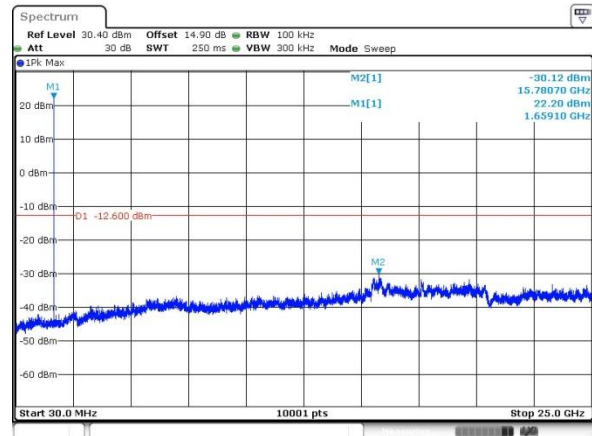
Date: 6.SEP.2026 19:38:29

Highest Channel / 1SC0 / BPSK



Date: 6.SEP.2026 19:53:16

Highest Channel / 1SC0 / QPSK

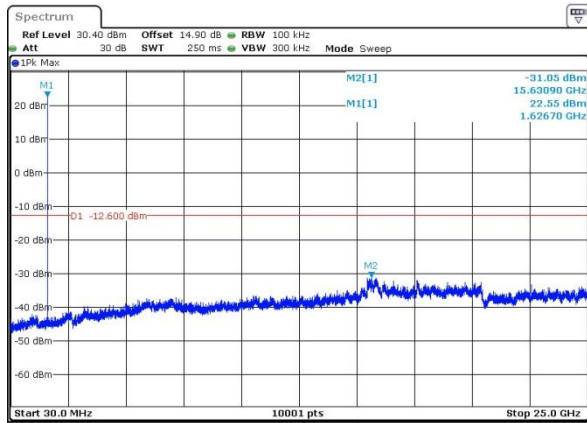


Date: 6.SEP.2026 19:54:36



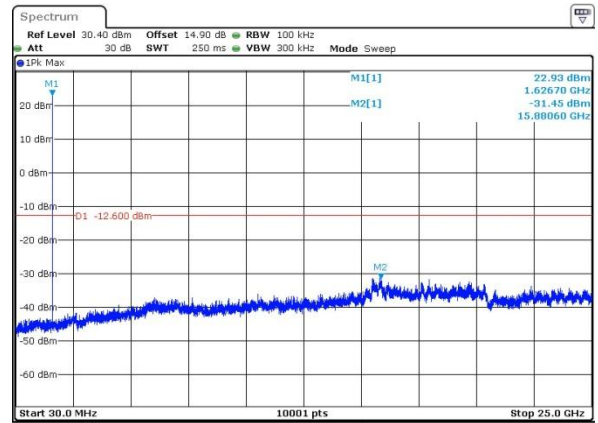
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / BPSK



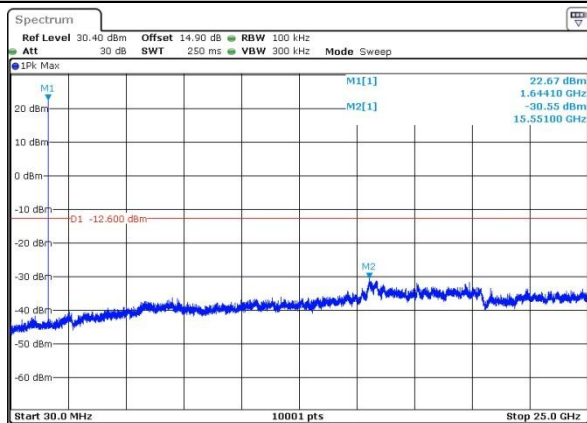
Date: 4.SEP.2026 20:43:13

Lowest Channel / 1SC0 / QPSK



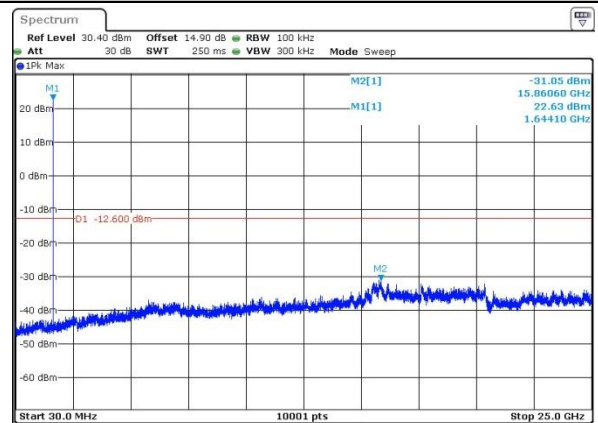
Date: 4.SEP.2026 20:43:51

Middle Channel / 1SC0 / BPSK



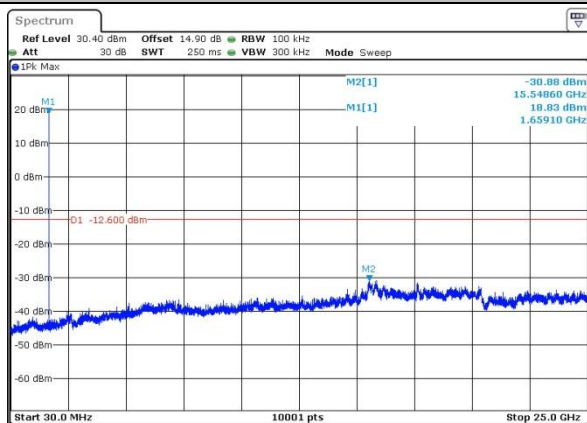
Date: 4.SEP.2026 20:46:11

Middle Channel / 1SC0 / QPSK



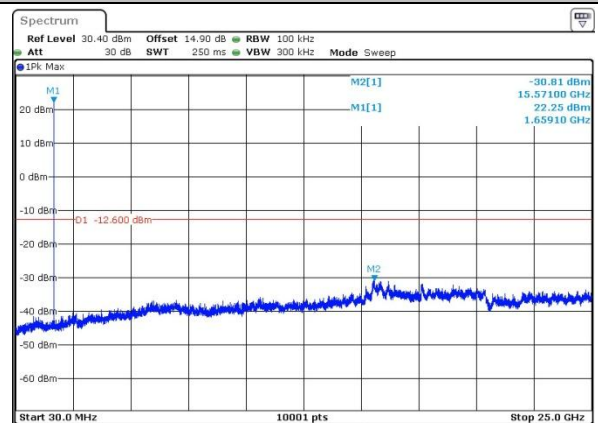
Date: 4.SEP.2026 20:44:41

Highest Channel / 1SC0 / BPSK



Date: 4.SEP.2026 20:48:26

Highest Channel / 1SC0 / QPSK



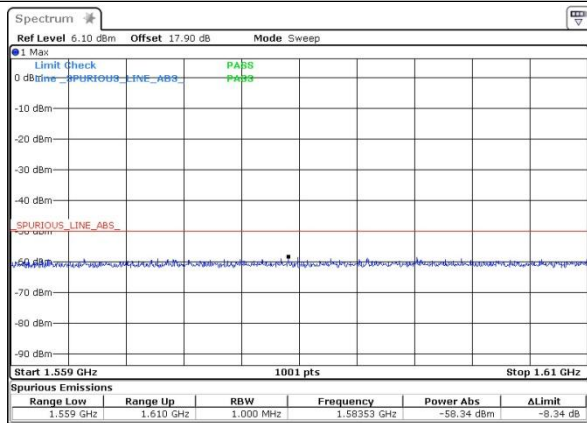
Date: 4.SEP.2026 20:51:17

**Emission limits for protection of aeronautical service**

Band 255 SCS 3.75kHz

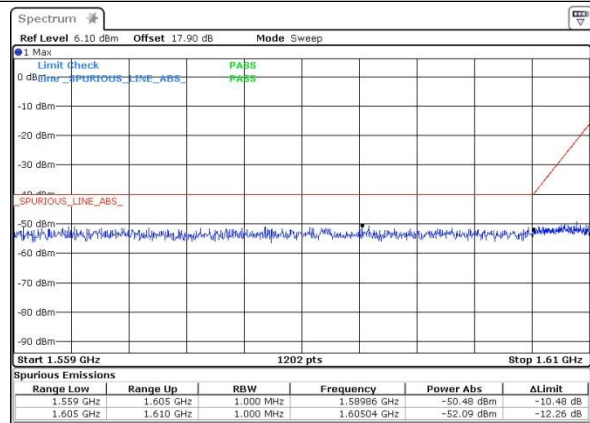
BPSK

Lowest Channel / 1SC0 Carrier off



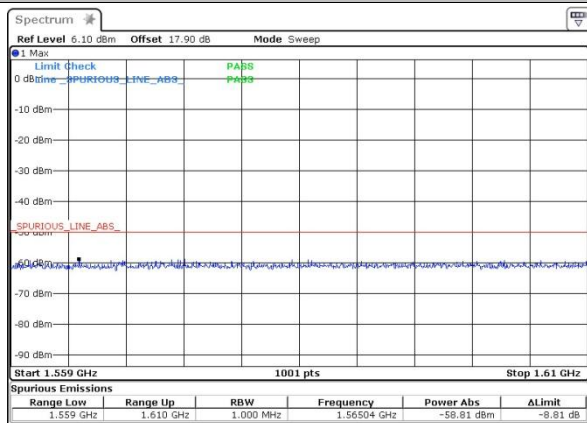
Date: 1,SEP,2026 20:51:30

Lowest Channel / 1SC0 Carrier on



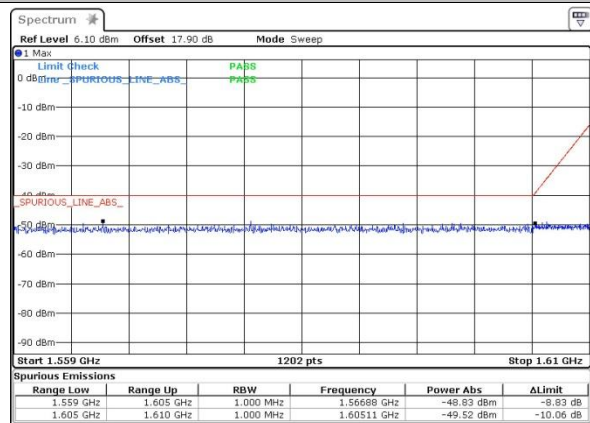
Date: 1,SEP,2026 20:57:23

Middle Channel / 1SC0 Carrier off



Date: 1,SEP,2026 20:52:07

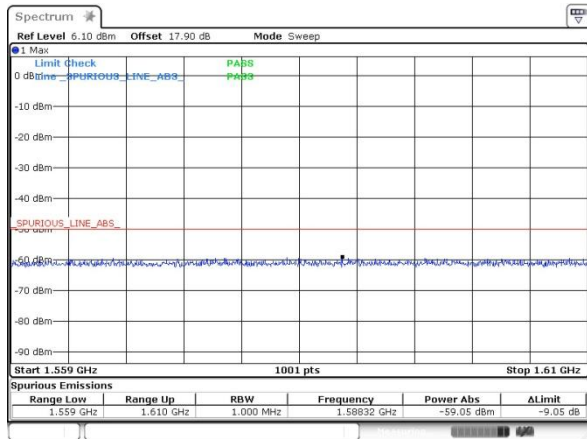
Middle Channel / 1SC0 Carrier on



Date: 1,SEP,2026 20:58:13

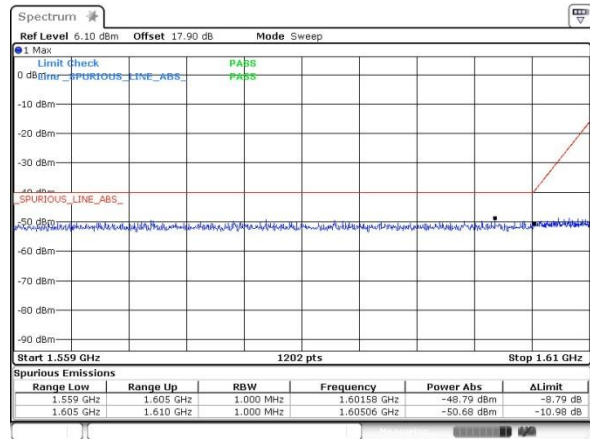


Highest Channel / 1SC0 Carrier off



Date: 1.SEP.2026 20:52:27

Highest Channel / 1SC0 Carrier on



Date: 1.SEP.2026 20:58:28



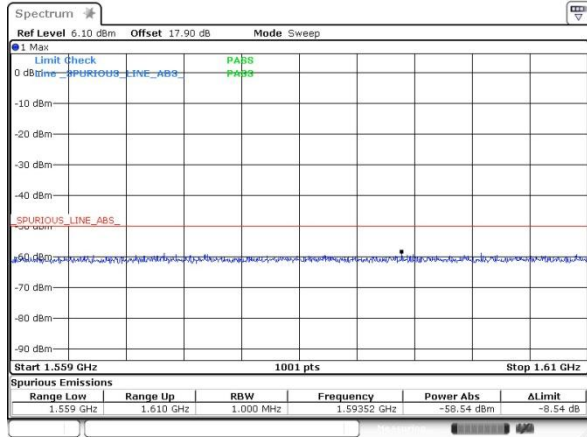
Band 255 SCS 3.75kHz																									
BPSK																									
Lowest Channel / 1SC0 Discrete	N/A																								
Spectrum Ref Level 6.10 dBm Offset 17.90 dB Mode Sweep 1 Max Limit Check 0 dBm SPURIOUS LINE ABS PASS PASS -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm Start 1.559 GHz 1202 pts Stop 1.61 GHz <table><tr><th colspan="6">Spurious Emissions</th></tr><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>ΔLimit</th></tr><tr><td>1.559 GHz</td><td>1.605 GHz</td><td>10.000 kHz</td><td>1.59485 GHz</td><td>-58.71 dBm</td><td>-8.71 dB</td></tr><tr><td>1.605 GHz</td><td>1.610 GHz</td><td>10.000 kHz</td><td>1.60501 GHz</td><td>-61.57 dBm</td><td>-11.63 dB</td></tr></table> Date: 1.SEP.2026 22:27:06	Spurious Emissions						Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	1.559 GHz	1.605 GHz	10.000 kHz	1.59485 GHz	-58.71 dBm	-8.71 dB	1.605 GHz	1.610 GHz	10.000 kHz	1.60501 GHz	-61.57 dBm	-11.63 dB	N/A
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Middle Channel / 1SC0 Discrete	N/A																								
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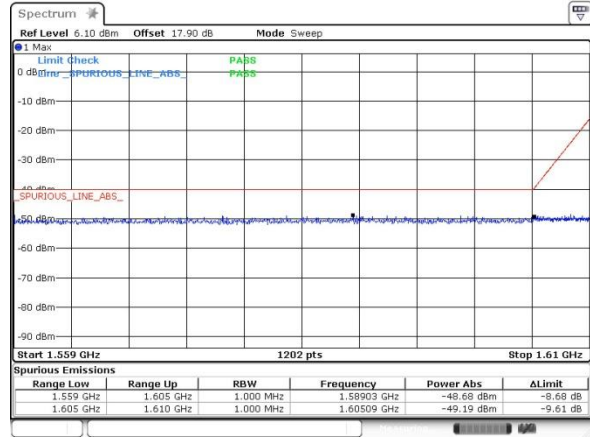
Band 255 SCS 3.75kHz

QPSK

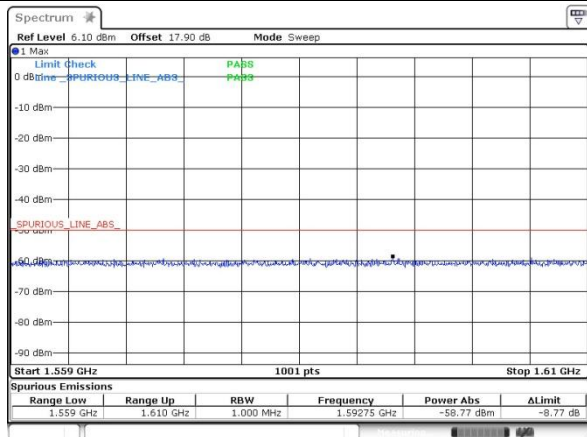
Lowest Channel / 1SC0 Carrier off



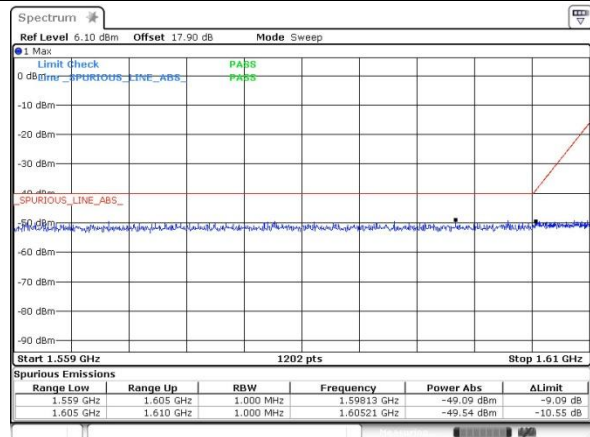
Lowest Channel / 1SC0 Carrier on



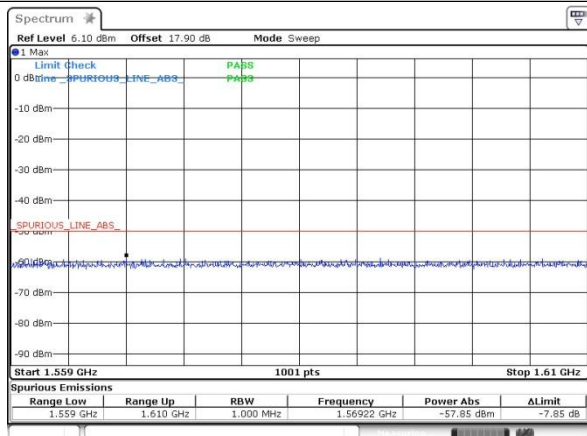
Middle Channel / 1SC0 Carrier off



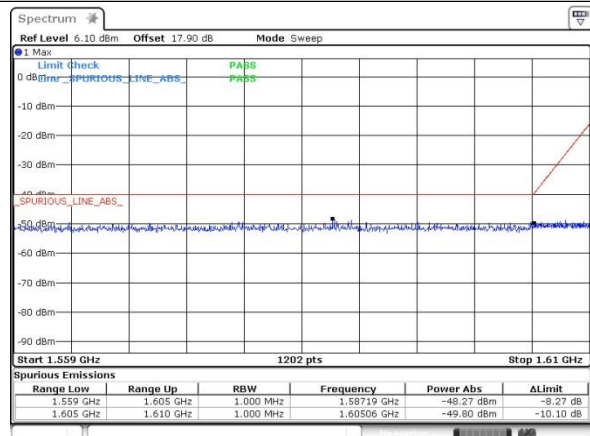
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



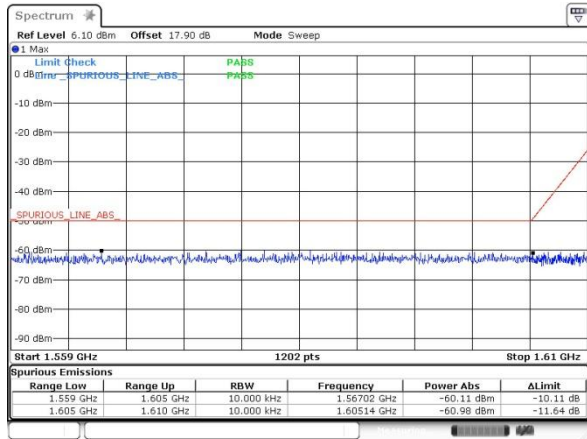


Band 255 SCS 3.75kHz

QPSK

Lowest Channel / 1SC0 Discrete

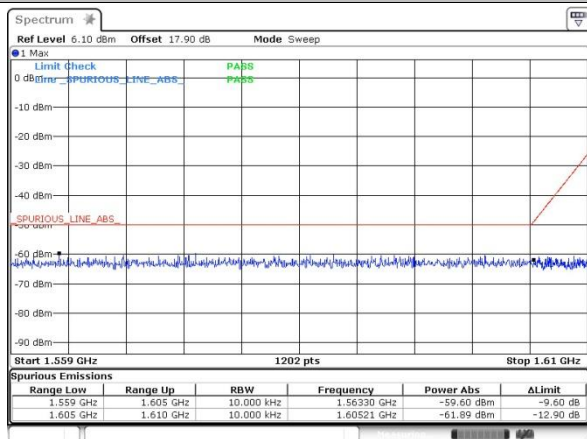
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Date: 1.SEP.2026 22:27:17

Middle Channel / 1SC0 Discrete

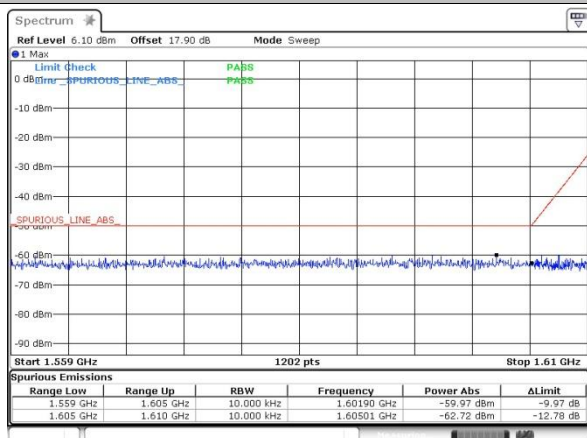
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Date: 1.SEP.2026 22:27:39

Highest Channel / 1SC0 Discrete

N/A



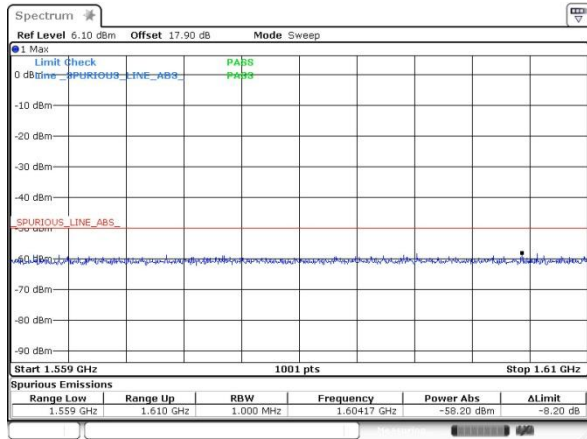
Date: 1.SEP.2026 22:28:03



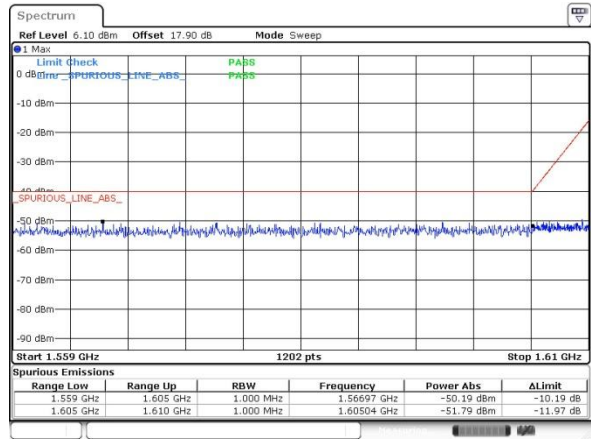
Band 255 SCS 15kHz

BPSK

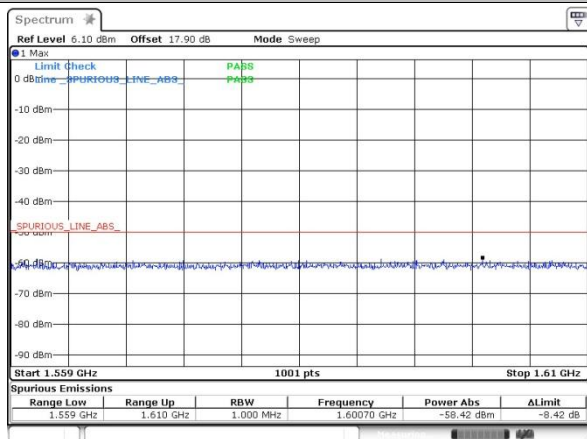
Lowest Channel / 1SC0 Carrier off



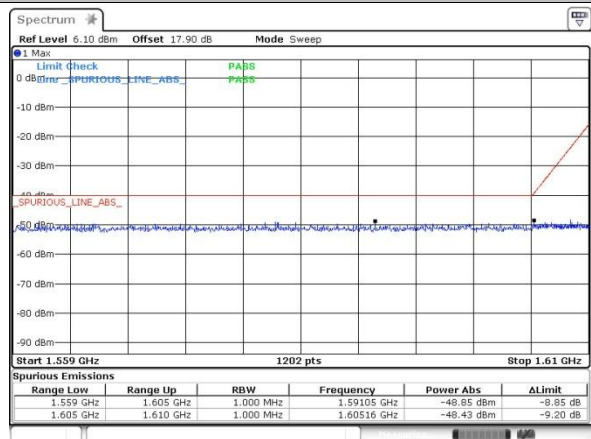
Lowest Channel / 1SC0 Carrier on



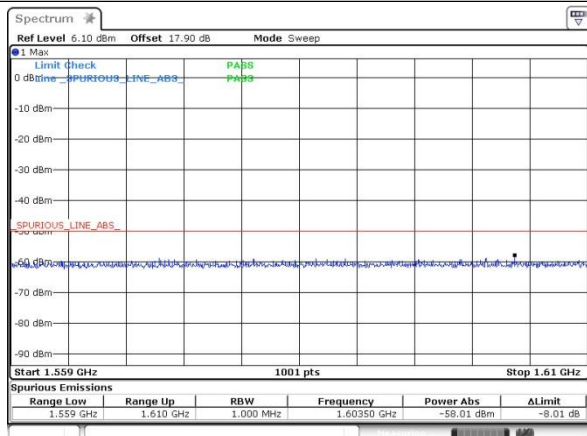
Middle Channel / 1SC0 Carrier off



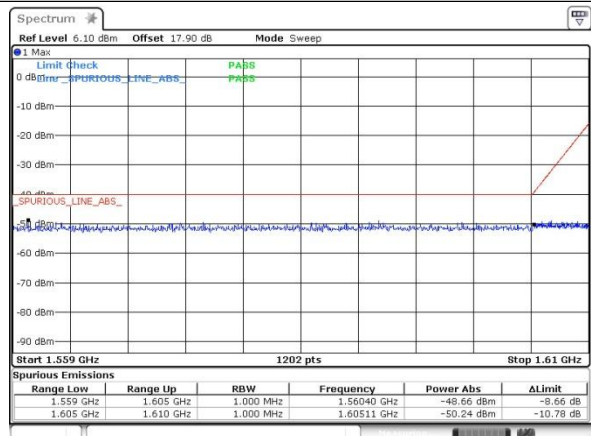
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



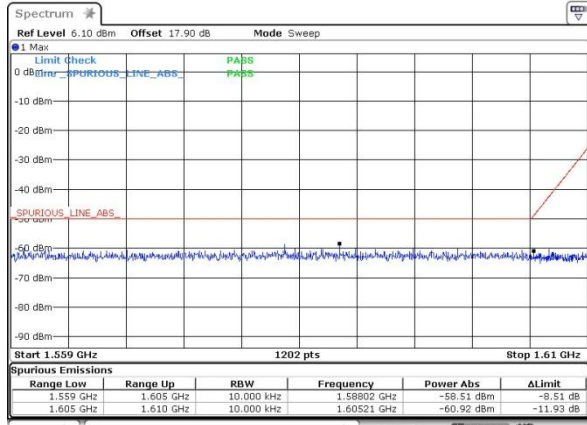


Band 255 SCS 15kHz

BPSK

Lowest Channel / 1SC0 Discrete

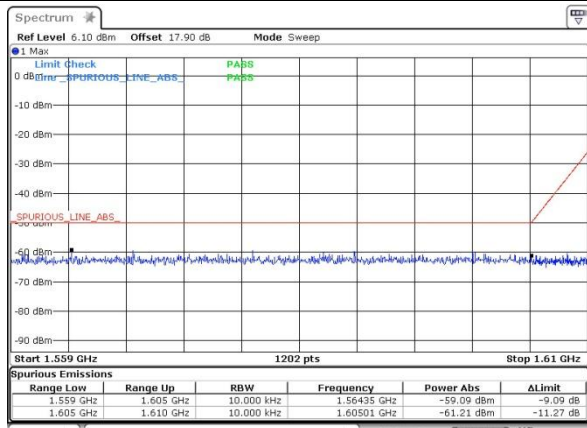
N/A



Date: 1.SEP.2026 22:28:34

Middle Channel / 1SC0 Discrete

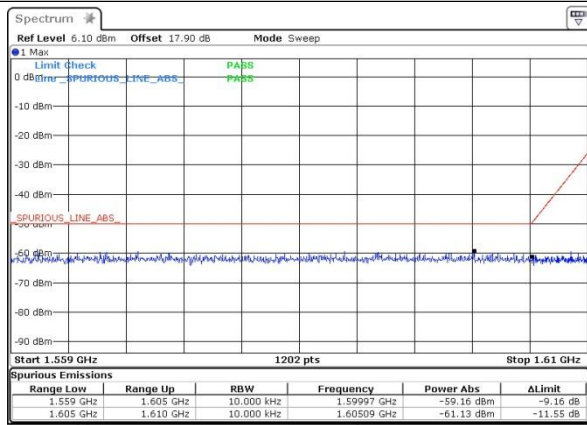
N/A



Date: 1.SEP.2026 22:28:55

Highest Channel / 1SC0 Discrete

N/A



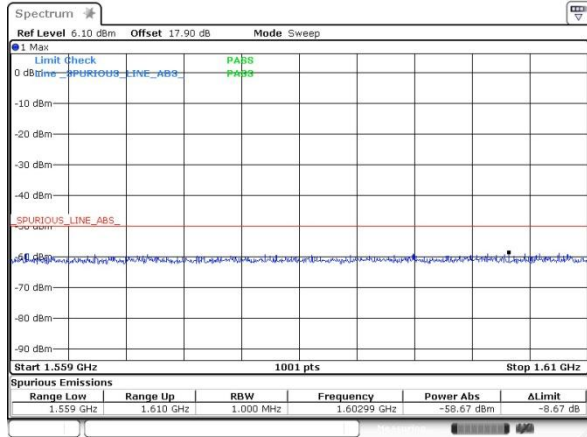
Date: 1.SEP.2026 22:29:37



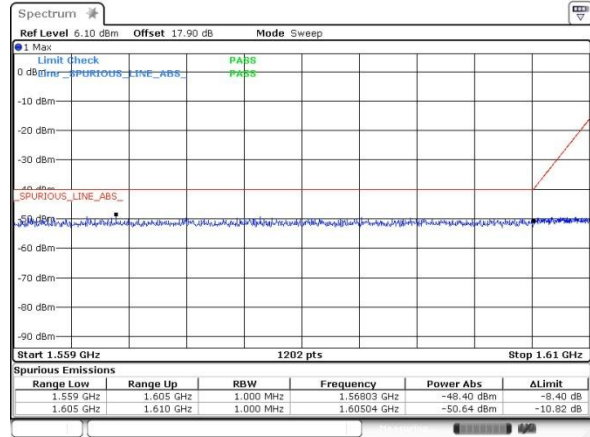
Band 255 SCS 15kHz

QPSK

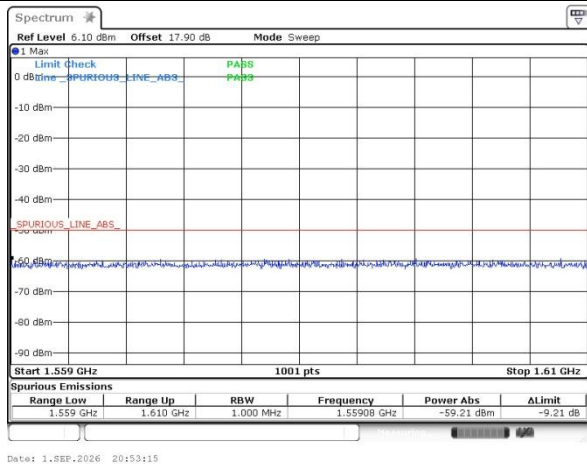
Lowest Channel / 1SC0 Carrier off



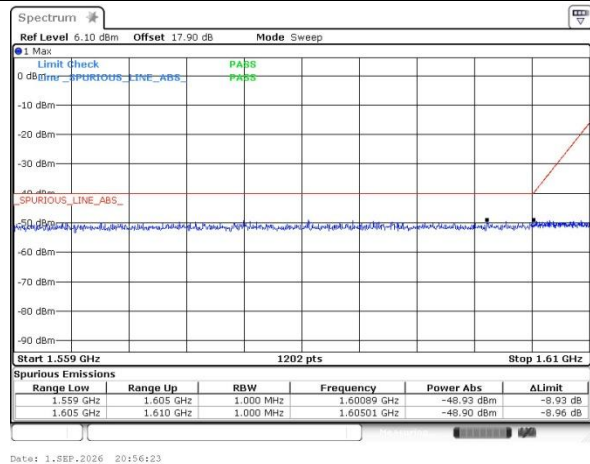
Lowest Channel / 1SC0 Carrier on



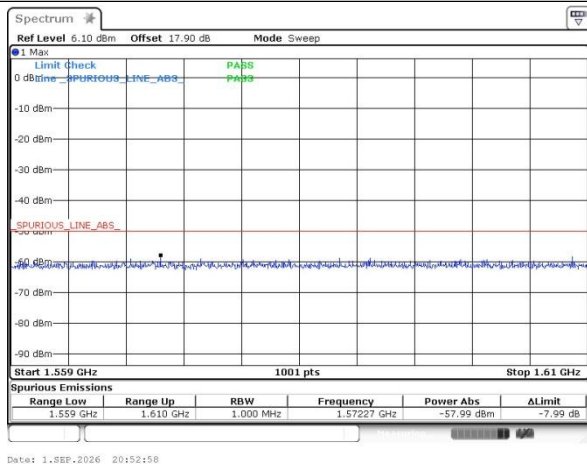
Middle Channel / 1SC0 Carrier off



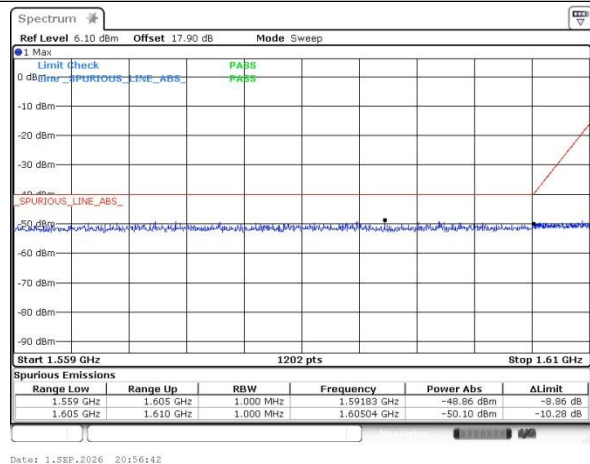
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



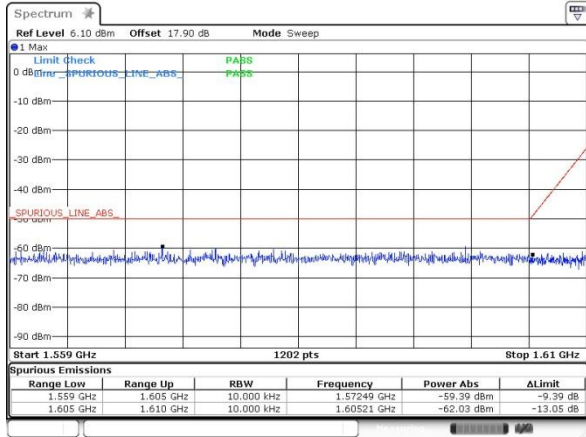


Band 255 SCS 15kHz

QPSK

Lowest Channel / 1SC0 Discrete

N/A

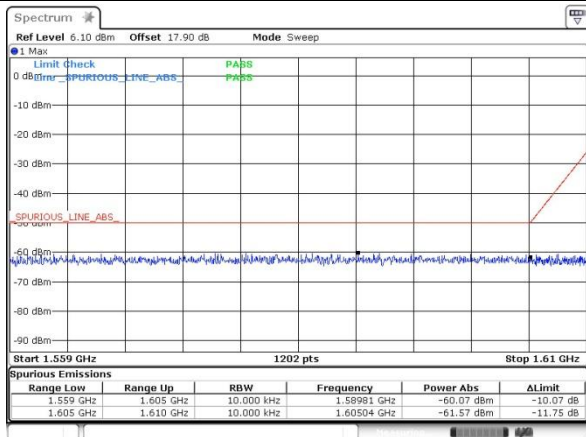


Date: 1.SEP.2026 22:28:42

N/A

Middle Channel / 1SC0 Discrete

N/A

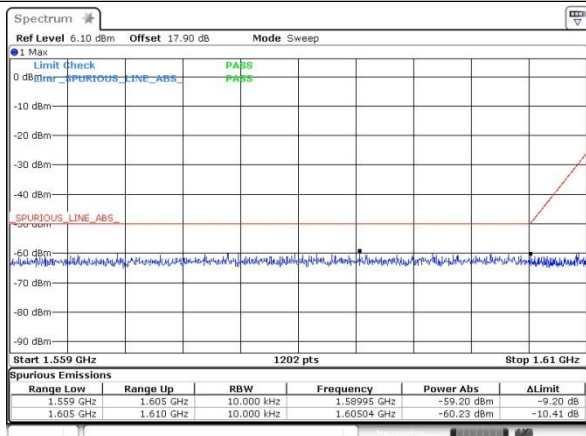


Date: 1.SEP.2026 22:29:09

N/A

Highest Channel / 1SC0 Discrete

N/A



Date: 1.SEP.2026 22:29:49

N/A

Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15KHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	4.3	PASS
40	Normal Voltage	4.1	
30	Normal Voltage	2.4	
20(Ref.)	Normal Voltage	3.8	
10	Normal Voltage	3.7	
0	Normal Voltage	3.4	
-10	Normal Voltage	3.0	
-20	Normal Voltage	2.5	
-30	Normal Voltage	2.6	
20	Maximum Voltage	3.5	
20	Normal Voltage	3.8	
20	Minimum Voltage	4.5	

Note:

1. Normal Voltage =3.3 V. ; Minimum Voltage =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

 $MAX(\Delta f) = 4.3 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	1626.708136	$\geq 1626.7 \text{ MHz}$	PASS
$f_H + MAX(\Delta f) $	1660.495518	$\leq 1660.5 \text{ MHz}$	



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Reid Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

Pre-scanned harmonic for SCS3.75kHz and SCS15kHz testing, we choose the worst mode to test.

Band 23 / SCS 3.75kHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4000.2	-59.01	-13	-46.01	-78.86	-65.89	5.60	12.48	H
	6000.3	-55.63	-13	-42.63	-79.94	-61.31	7.10	12.78	H
	8000.4	-51.89	-13	-38.89	-80.65	-55.28	8.38	11.77	H
	4000.2	-58.33	-13	-45.33	-78.2	-65.21	5.60	12.48	V
	6000.3	-39.97	-13	-26.97	-64.84	-45.65	7.10	12.78	V
	8000.4	-51.22	-13	-38.22	-79.72	-54.61	8.38	11.77	V
Middle	4020	-58.37	-13	-45.37	-78.27	-65.22	5.65	12.50	H
	6030	-56.01	-13	-43.01	-80.35	-61.68	7.13	12.80	H
	8040	-50.13	-13	-37.13	-78.79	-53.53	8.40	11.80	H
	4020	-59.02	-13	-46.02	-78.94	-65.87	5.65	12.50	V
	6030	-39.10	-13	-26.10	-64	-44.77	7.13	12.80	V
	8040	-50.53	-13	-37.53	-78.9	-53.93	8.40	11.80	V
Highest	4039.8	-58.63	-13	-45.63	-78.57	-65.47	5.68	12.52	H
	6059.7	-55.73	-13	-42.73	-80.11	-61.40	7.15	12.82	H
	8079.6	-51.25	-13	-38.25	-79.81	-54.68	8.42	11.85	H
	4039.8	-57.98	-13	-44.98	-77.94	-64.82	5.68	12.52	V
	6059.7	-39.69	-13	-26.69	-64.64	-45.36	7.15	12.82	V
	8079.6	-52.19	-13	-39.19	-80.44	-55.62	8.42	11.85	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Band 255 / SCS 3.75kHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3286.6	-60.81	-13	-47.81	-77.64	-67.69	5.60	12.48	H
	4929.9	-55.77	-13	-42.77	-78.84	-61.45	7.10	12.78	H
	6573.2	-54.86	-13	-41.86	-80.35	-58.25	8.38	11.77	H
	3286.6	-61.26	-13	-48.26	-77.9	-68.14	5.60	12.48	V
	4929.9	-56.06	-13	-43.06	-79.28	-61.74	7.10	12.78	V
	6573.2	-53.33	-13	-40.33	-79.52	-56.72	8.38	11.77	V
Middle	3286.6	-60.62	-13	-47.62	-77.45	-67.47	5.65	12.50	H
	4929.9	-56.59	-13	-43.59	-79.66	-62.26	7.13	12.80	H
	6573.2	-52.85	-13	-39.85	-78.34	-56.25	8.40	11.80	H
	3286.6	-61.39	-13	-48.39	-78.03	-68.24	5.65	12.50	V
	4929.9	-55.73	-13	-42.73	-78.95	-61.40	7.13	12.80	V
	6573.2	-51.91	-13	-38.91	-78.1	-55.31	8.40	11.80	V
Highest	3286.6	-60.97	-13	-47.97	-77.80	-67.81	5.68	12.52	H
	4929.9	-56.31	-13	-43.31	-79.38	-61.98	7.15	12.82	H
	6573.2	-55.44	-13	-42.44	-80.93	-58.87	8.42	11.85	H
	3286.6	-60.72	-13	-47.72	-77.36	-67.56	5.68	12.52	V
	4929.9	-56.47	-13	-43.47	-79.69	-62.14	7.15	12.82	V
	6573.2	-52.88	-13	-39.88	-79.07	-56.31	8.42	11.85	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.