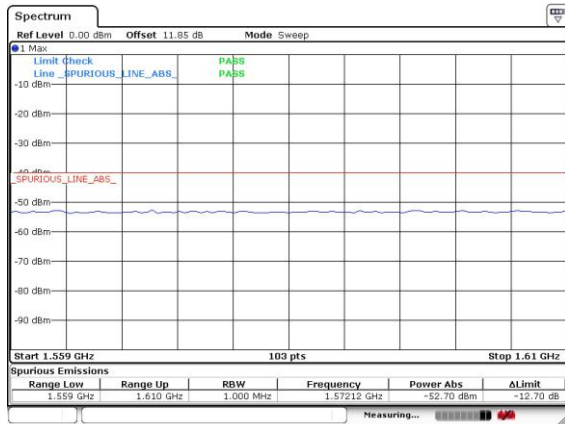


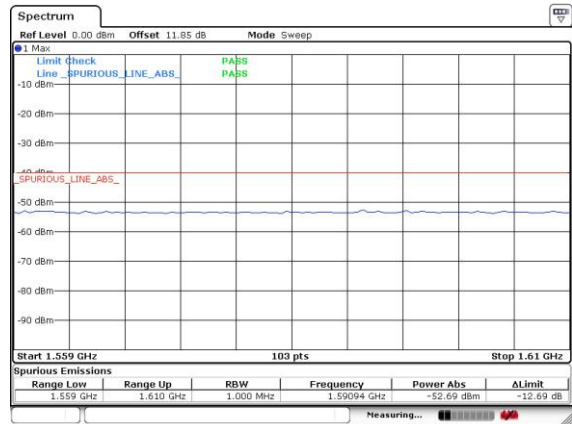


Lowest Channel / 6SC0 Broadband



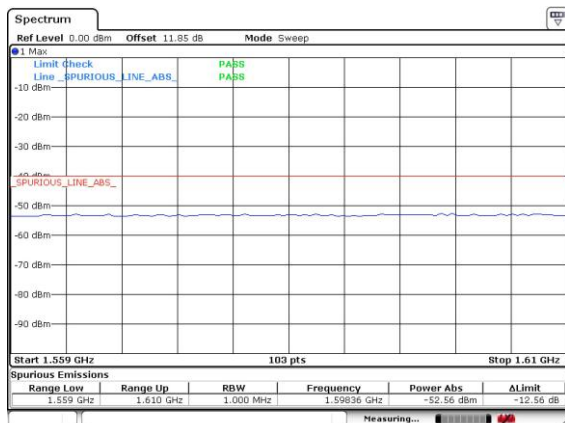
Date: 4 JUN 2025 20:46:01

Lowest Channel / 6SC6 Broadband



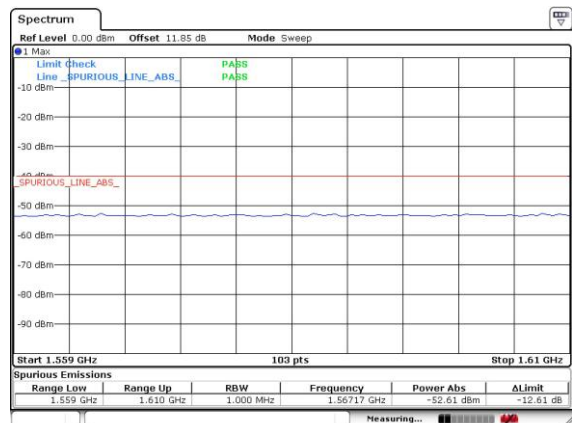
Date: 4 JUN 2025 20:47:17

Middle Channel / 6SC0 Broadband



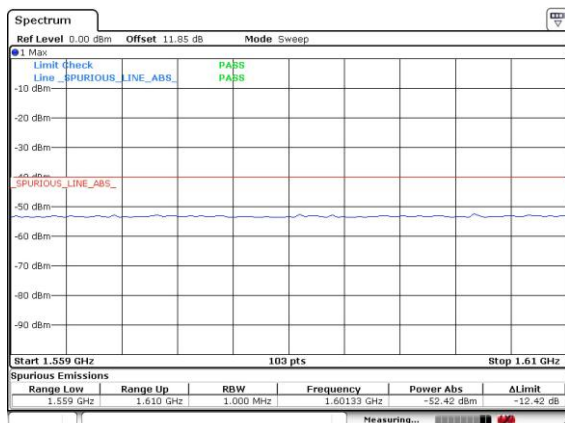
Date: 5 JUN 2025 00:18:00

Middle Channel / 6SC6 Broadband



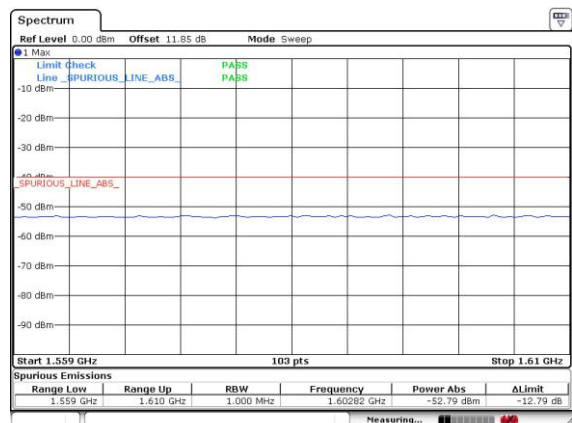
Date: 5 JUN 2025 00:19:05

Highest Channel / 6SC0 Broadband



Date: 5 JUN 2025 00:05:03

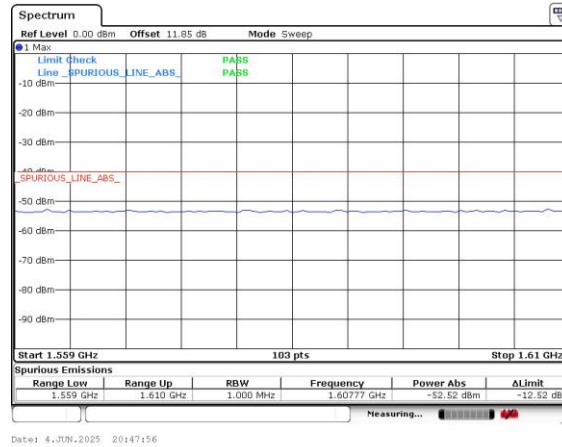
Highest Channel / 6SC6 Broadband



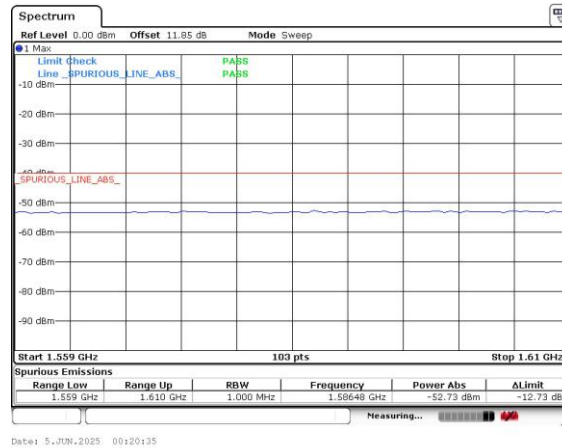
Date: 5 JUN 2025 00:06:04



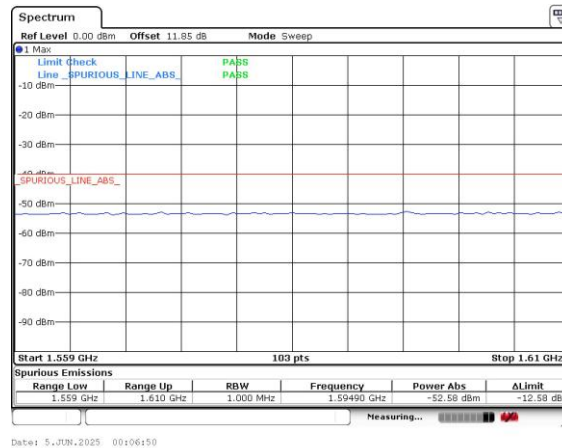
Lowest Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband

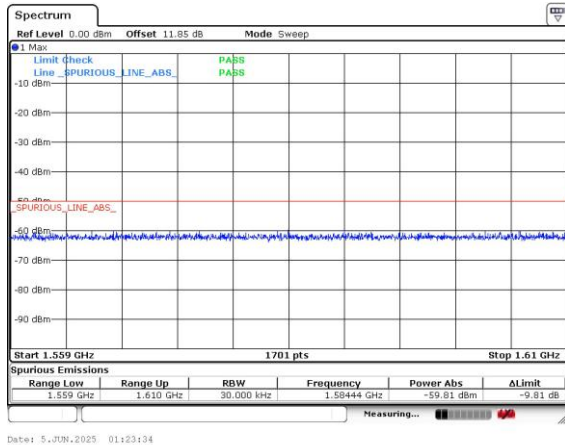


Highest Channel / 12SC0 Broadband

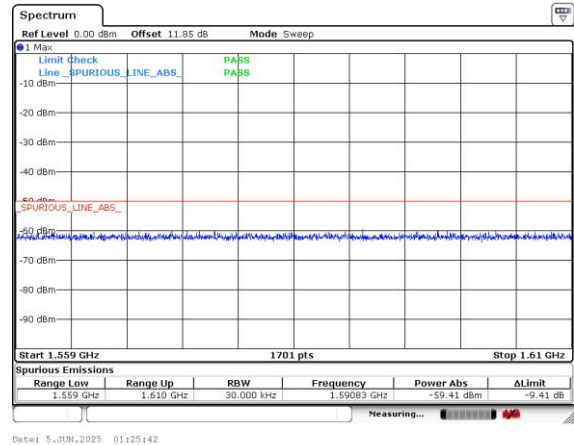




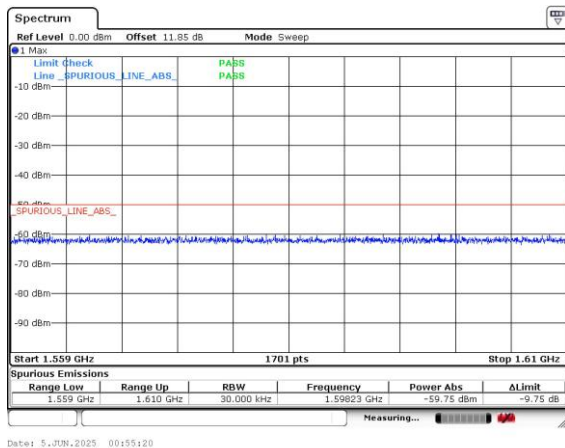
Lowest Channel / 1SC0 Discrete



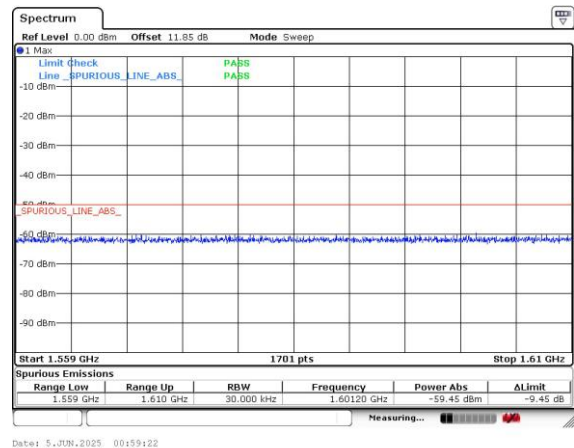
Lowest Channel / 1SC11 Discrete



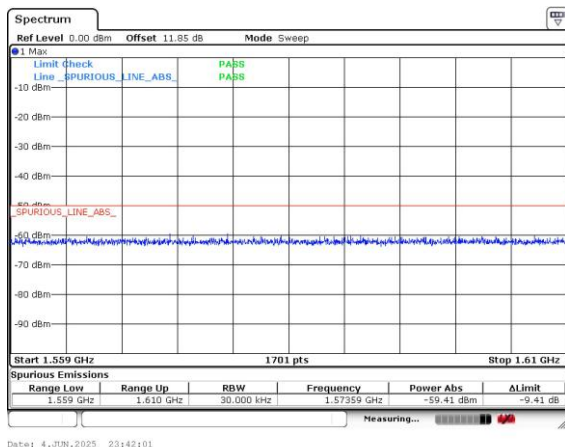
Middle Channel / 1SC0 Discrete



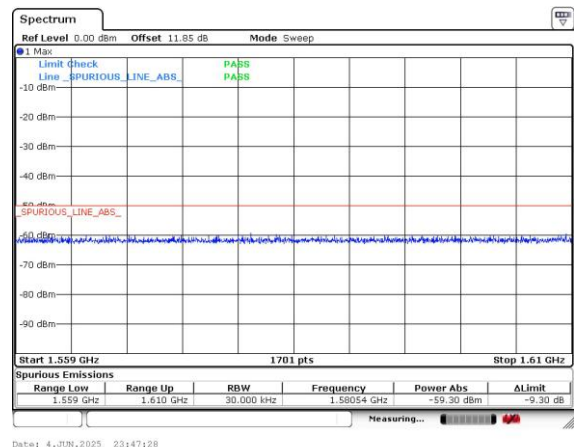
Middle Channel / 1SC11 Discrete



Highest Channel / 1SC0 Discrete

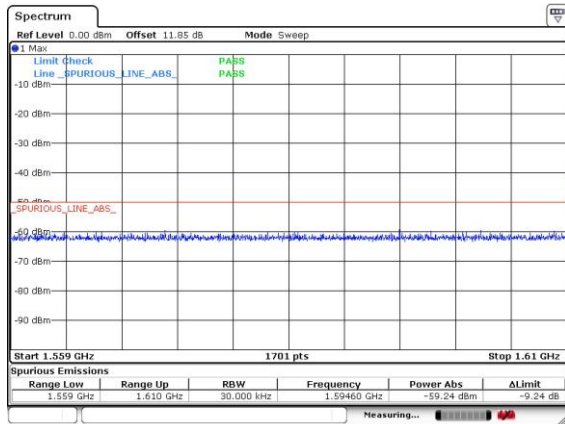


Highest Channel / 1SC11 Discrete



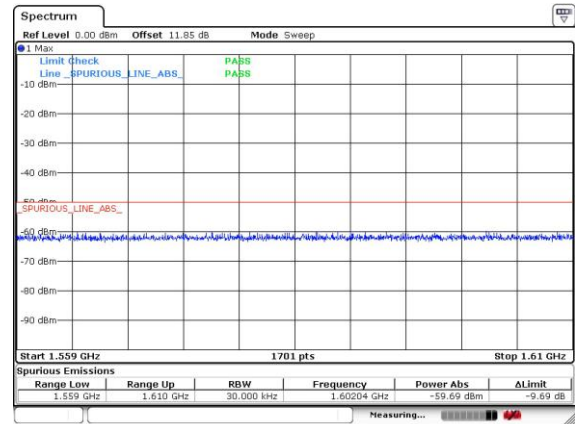


Lowest Channel / 3SC0 Discrete



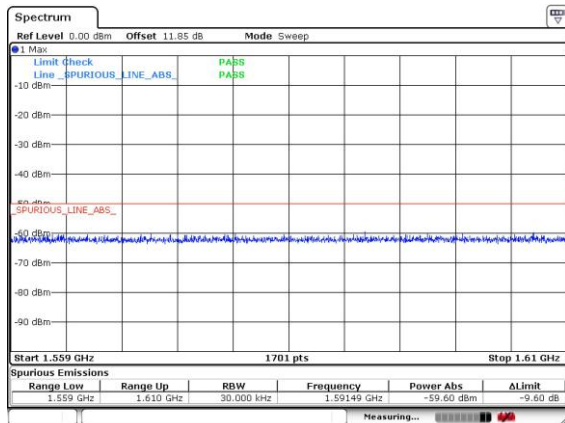
Date: 5 JUN 2025 01:26:50

Lowest Channel / 3SC9 Discrete



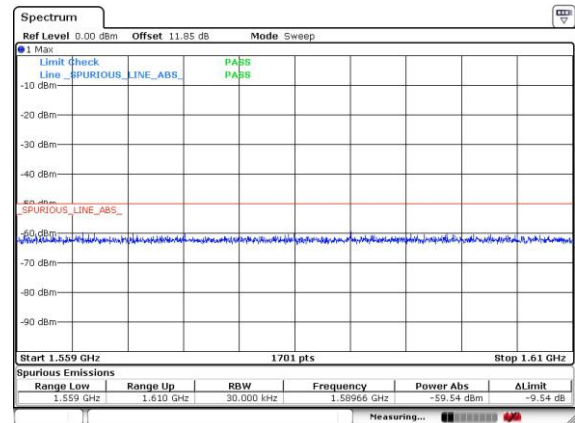
Date: 5 JUN 2025 01:28:06

Middle Channel / 3SC0 Discrete



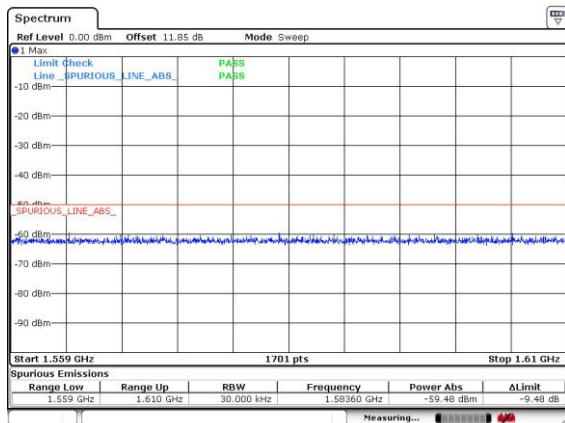
Date: 5 JUN 2025 01:00:40

Middle Channel / 3SC9 Discrete



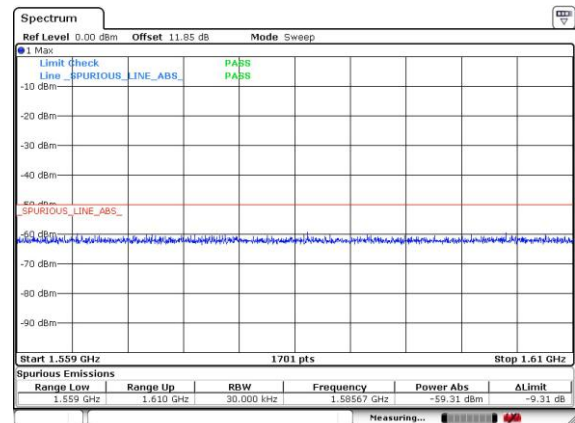
Date: 5 JUN 2025 01:01:35

Highest Channel / 3SC0 Discrete



Date: 4 JUN 2025 23:48:25

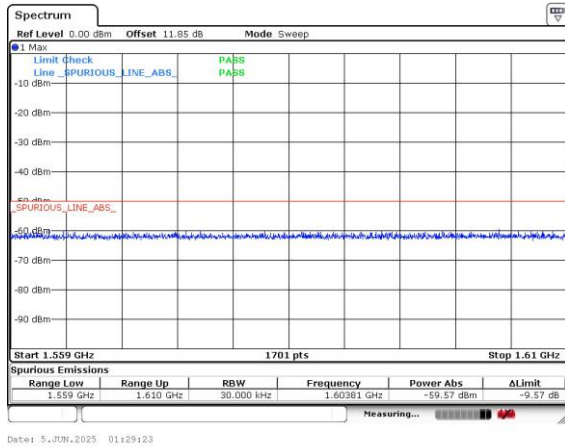
Highest Channel / 3SC9 Discrete



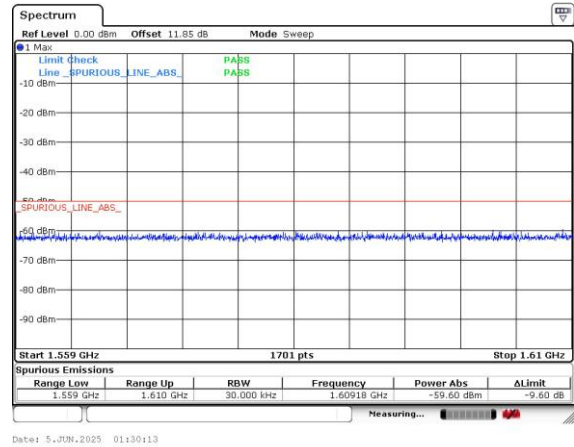
Date: 4 JUN 2025 23:49:28



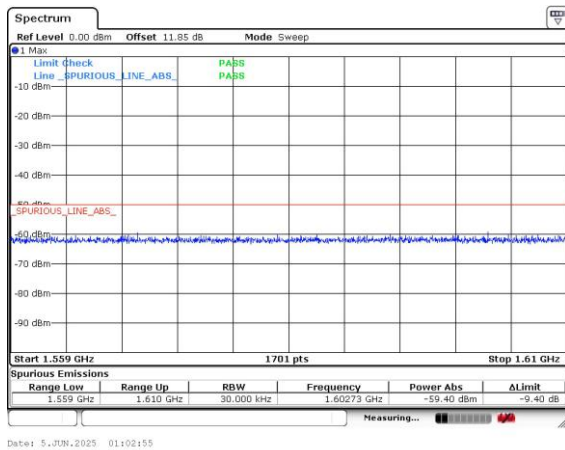
Lowest Channel / 6SC0 Discrete



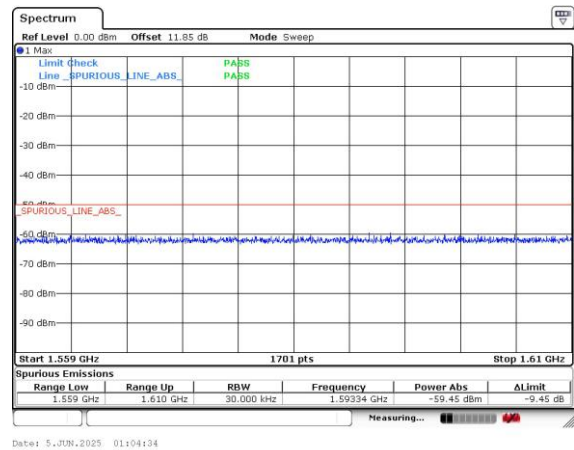
Lowest Channel / 6SC6 Discrete



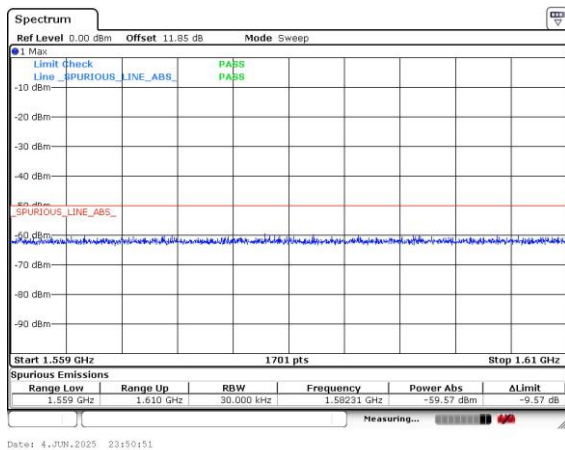
Middle Channel / 6SC0 Discrete



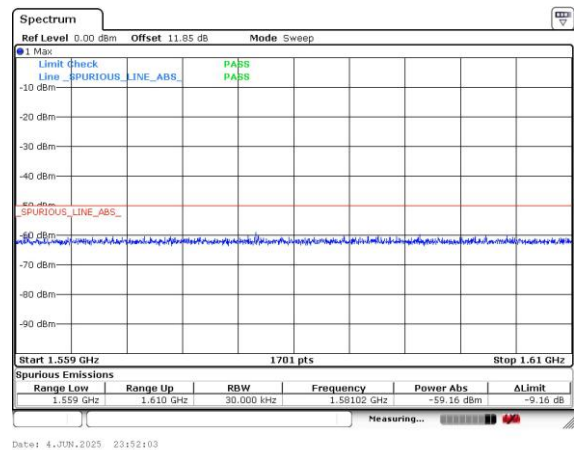
Middle Channel / 6SC6 Discrete



Highest Channel / 6SC0 Discrete

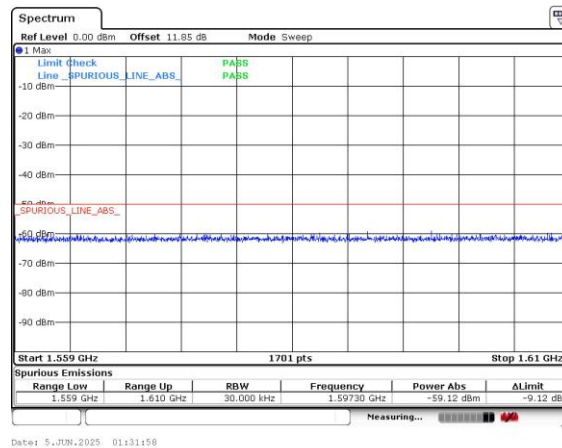


Highest Channel / 6SC6 Discrete

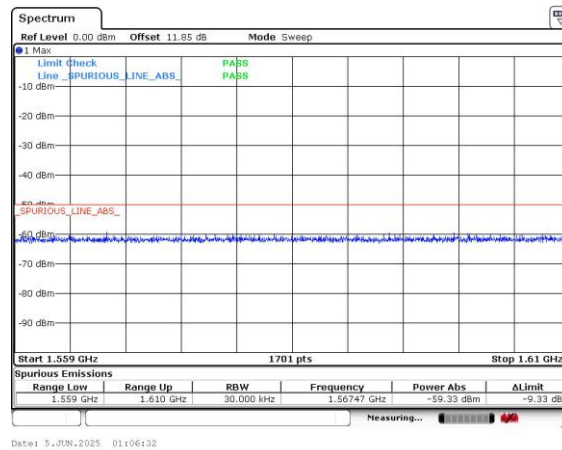




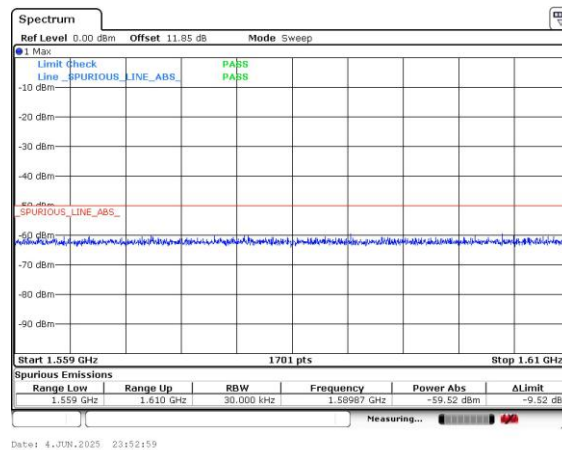
Lowest Channel / 12SC0 Discrete



Middle Channel / 12SC0 Discrete



Highest Channel / 12SC0 Discrete



Frequency Stability

Test Conditions		Band 23(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

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.

Band 255

Conducted Output Power (Average power) and EIRP

Band 255 SCS 3.75kHz							Limit
Test Frequency (MHz)	SC Size	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP Power (dBm)		Result
		BPSK	QPSK		BPSK	QPSK	
1626.6	1SC0	23.49	23.60	-1.60	21.89	22.00	PASS
	1SC47	23.51	23.39	-1.60	21.91	21.79	
1643.5	1SC0	23.67	23.59	-1.60	22.07	21.99	
	1SC47	23.64	23.59	-1.60	22.04	21.99	
1660.4	1SC0	23.49	23.60	-1.60	21.89	22.00	
	1SC47	23.51	23.39	-1.60	21.91	21.79	

Band 255 SCS 15kHz							Limit
Test Frequency (MHz)	SC Size	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP Power (dBm)		Result
		BPSK	QPSK		BPSK	QPSK	
1626.6	1SC0	23.05	23.48	-1.60	21.45	21.88	PASS
	1SC11	23.39	23.47	-1.60	21.79	21.87	
	3SC0	-	23.36	-1.60	-	21.76	
	3SC9	-	23.50	-1.60	-	21.90	
	6SC0	-	23.57	-1.60	-	21.97	
	6SC6	-	23.43	-1.60	-	21.83	
	12SC0	-	22.42	-1.60	-	20.82	
1643.5	1SC0	23.58	23.31	-1.60	21.98	21.71	
	1SC11	23.61	23.48	-1.60	22.01	21.88	
	3SC0	-	23.89	-1.60	-	22.29	
	3SC9	-	23.61	-1.60	-	22.01	
	6SC0	-	23.67	-1.60	-	22.07	
	6SC6	-	23.25	-1.60	-	21.65	
	12SC0	-	22.93	-1.60	-	21.33	
1660.4	1SC0	23.05	23.48	-1.60	21.45	21.88	
	1SC11	23.39	23.47	-1.60	21.79	21.87	
	3SC0	-	23.36	-1.60	-	21.76	
	3SC9	-	23.50	-1.60	-	21.90	
	6SC0	-	23.57	-1.60	-	21.97	
	6SC6	-	23.43	-1.60	-	21.83	
	12SC0	-	22.42	-1.60	-	20.82	



Occupied Bandwidth

Mode	Band 255 : 99%OBW(kHz)
SCS	15kHz
Mod.	QPSK
SC Size	12SC0
Lowest CH	182.82
Middle CH	182.82
Highest CH	182.82

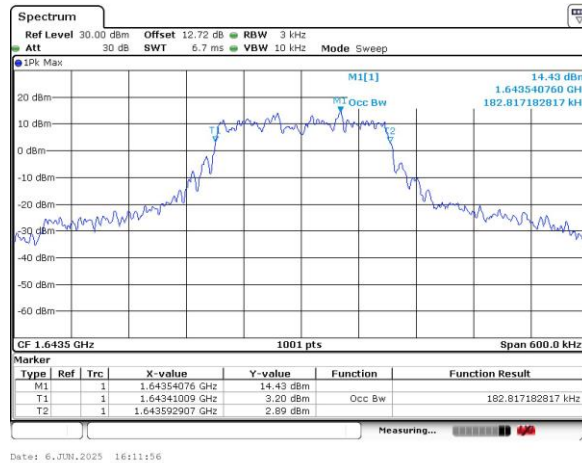


Band 255 SCS 15kHz

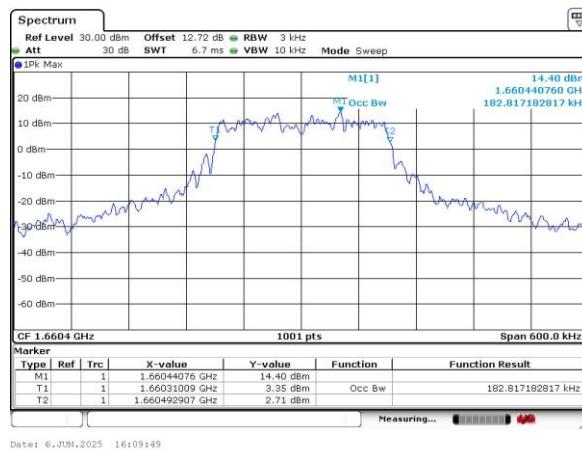
Lowest Channel / 12SC0 / QPSK



Middle Channel / 12SC0 / QPSK



Highest Channel / 12SC0 / QPSK



Conducted Emissions Mask

B255 L CH 1626.6 MHz								
SCS (kHz)	Modulation	SC config	Measured Value (dBm / 3 kHz)	Measured Value (dBm / 4 kHz)	Verified Value (dBm / 4 kHz)	Limit (dBm / 4 kHz)	Δ limit (dB)	Result
3.75	BPSK	1SC0	-11.51	-10.26	-	-2.10	-8.16	Pass
3.75	BPSK	1SC47	-8.74	-7.49	-	-2.03	-5.46	Pass
3.75	QPSK	1SC0	-11.19	-9.94	-	-1.87	-8.07	Pass
3.75	QPSK	1SC47	-8.64	-7.39	-	-1.97	-5.42	Pass
15	BPSK	1SC0	-5.14	-3.89	-	-1.74	-2.15	Pass
15	BPSK	1SC11	-3.89	-2.64	-	-1.55	-1.09	Pass
15	QPSK	1SC0	-4.90	-3.65	-	-1.78	-1.87	Pass
15	QPSK	1SC11	-3.60	-2.35	-	-1.71	-0.64	Pass
15	QPSK	3SC0	-9.02	-7.77	-	-0.92	-6.85	Pass
15	QPSK	3SC9	-6.34	-5.09	-	-0.88	-4.21	Pass
15	QPSK	6SC0	-10.70	-9.45	-	-1.18	-8.27	Pass
15	QPSK	6SC6	-10.96	-9.71	-	-1.14	-8.57	Pass
15	QPSK	12SC0	-12.90	-11.65	-	-2.20	-9.45	Pass

B255 M CH 1643.5 MHz								
SCS (kHz)	Modulation	SC config	Measured Value (dBm / 3 kHz)	Measured Value (dBm / 4 kHz)	Verified Value (dBm / 4 kHz)	Limit (dBm / 4 kHz)	Δ limit (dB)	Result
3.75	BPSK	1SC0	-10.86	-9.61	-	-1.39	-8.22	Pass
3.75	BPSK	1SC47	-9.07	-7.82	-	-1.38	-6.44	Pass
3.75	QPSK	1SC0	-10.37	-9.12	-	-1.41	-7.71	Pass
3.75	QPSK	1SC47	-8.38	-7.13	-	-1.13	-6.00	Pass
15	BPSK	1SC0	-3.88	-2.63	-	-1.19	-1.44	Pass
15	BPSK	1SC11	-3.80	-2.55	-	-1.29	-1.26	Pass
15	QPSK	1SC0	-3.95	-2.70	-	-1.35	-1.35	Pass
15	QPSK	1SC11	-3.60	-2.35	-	-1.21	-1.14	Pass
15	QPSK	3SC0	-8.16	-7.35	-	-1.44	-5.91	Pass
15	QPSK	3SC9	-5.76	-4.51	-	-0.92	-3.59	Pass
15	QPSK	6SC0	-8.82	-7.57	-	-1.12	-6.45	Pass
15	QPSK	6SC6	-9.76	-8.51	-	-1.14	-7.37	Pass
15	QPSK	12SC0	-13.95	-12.70	-	-2.02	-10.68	Pass

B255 H CH 1660.4 MHz								
SCS (kHz)	Modulation	SC config	Measured Value (dBm / 3 kHz)	Measured Value (dBm / 4 kHz)	Verified Value (dBm / 4 kHz)	Limit (dBm / 4 kHz)	Δlimit (dB)	Result
3.75	BPSK	1SC0	-10.54	-9.29	-	-1.18	-8.11	Pass
3.75	BPSK	1SC47	-9.04	-7.79	-	-1.37	-6.42	Pass
3.75	QPSK	1SC0	-9.88	-8.63	-	-1.28	-7.35	Pass
3.75	QPSK	1SC47	-8.79	-7.54	-	-1.27	-6.27	Pass
15	BPSK	1SC0	-3.58	-2.33	-	-1.21	-1.12	Pass
15	BPSK	1SC11	-3.06	-1.81	-	-1.17	-0.64	Pass
15	QPSK	1SC0	-3.41	-2.16	-	-1.29	-0.87	Pass
15	QPSK	1SC11	-2.97	-1.72	-	-1.25	-0.47	Pass
15	QPSK	3SC0	-7.65	-6.40	-	-0.94	-5.46	Pass
15	QPSK	3SC9	-5.83	-4.58	-	-0.96	-3.62	Pass
15	QPSK	6SC0	-8.54	-7.29	-	-1.18	-6.11	Pass
15	QPSK	6SC6	-9.80	-8.55	-	-1.26	-7.29	Pass
15	QPSK	12SC0	-14.38	-13.13	-	-2.11	-11.02	Pass

Remark: The above results of RBW 3kHz should be added a factor of $10\log(4\text{kHz}/3\text{kHz}) = 1.25\text{dB}$.

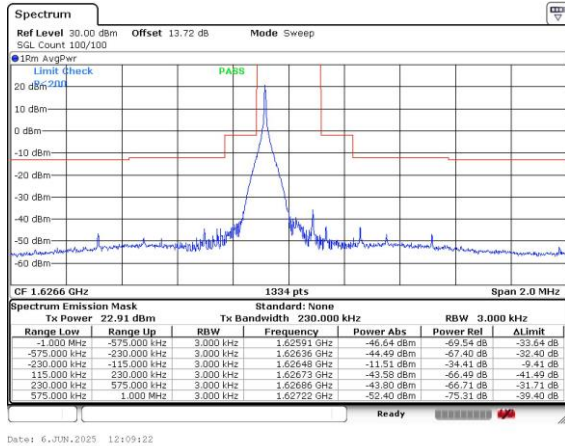
If the result of the Mask method with factor fails, then the Channel Power method will be used.



Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK

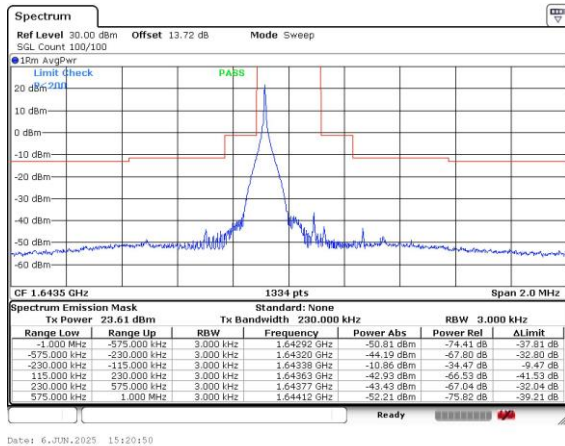
Lowest Channel / 1SC0 / BPSK - CP



N/A

Middle Channel / 1SC0 / BPSK

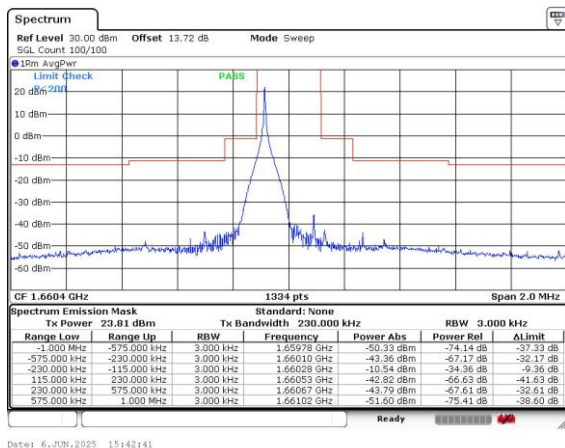
Middle Channel / 1SC0 / BPSK - CP



N/A

Highest Channel / 1SC0 / BPSK

Highest Channel / 1SC0 / BPSK - CP

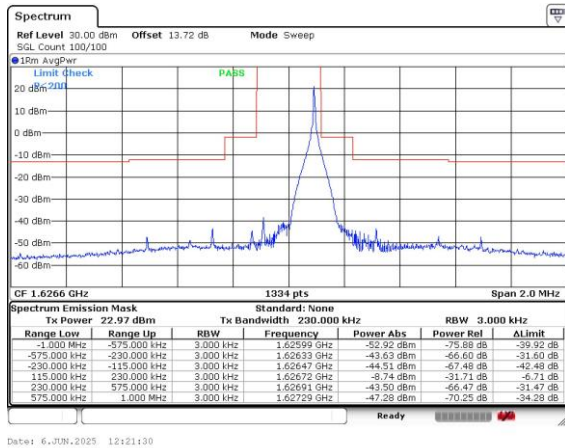


N/A



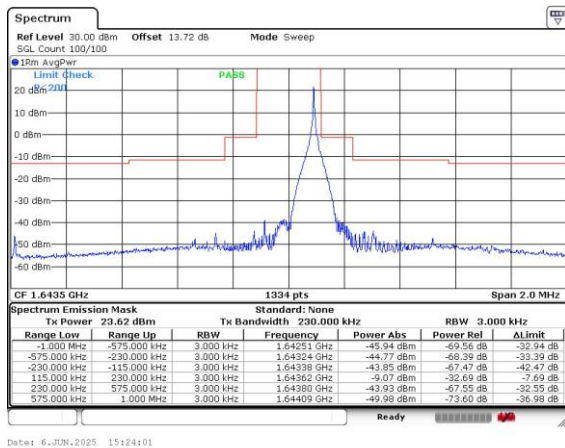
Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / BPSK



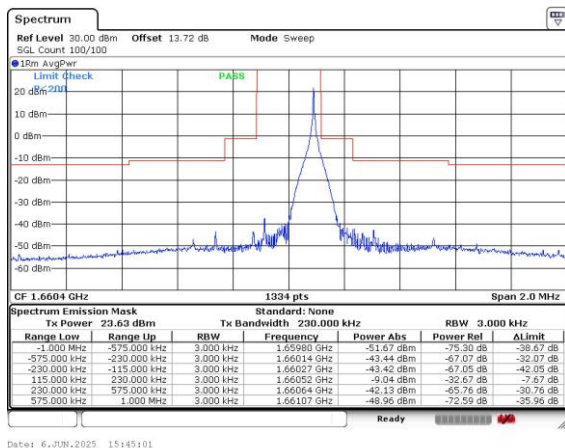
N/A

Middle Channel / 1SC47 / BPSK



N/A

Highest Channel / 1SC47 / BPSK

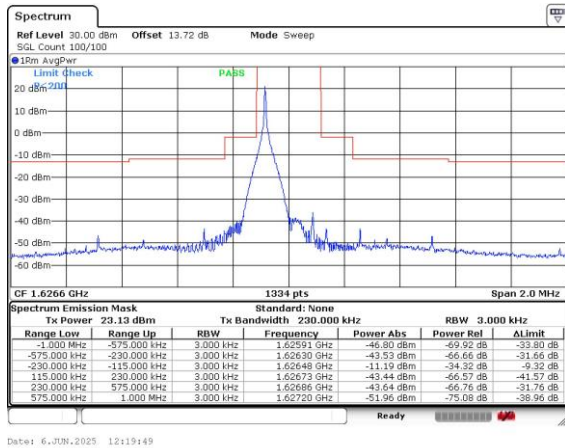


N/A



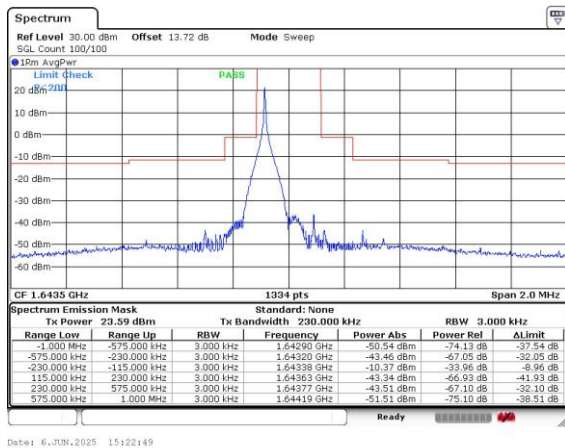
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / QPSK



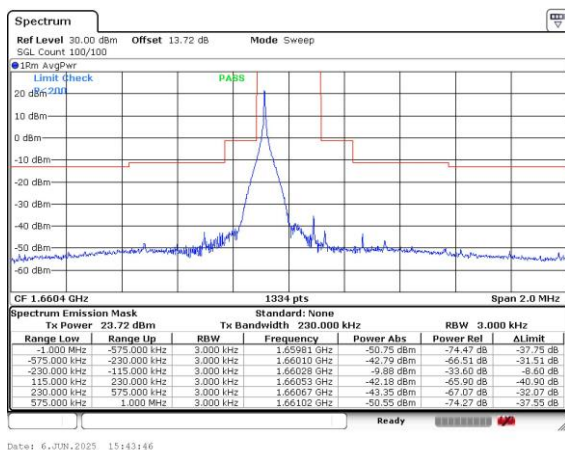
N/A

Middle Channel / 1SC0 / QPSK



N/A

Highest Channel / 1SC0 / QPSK

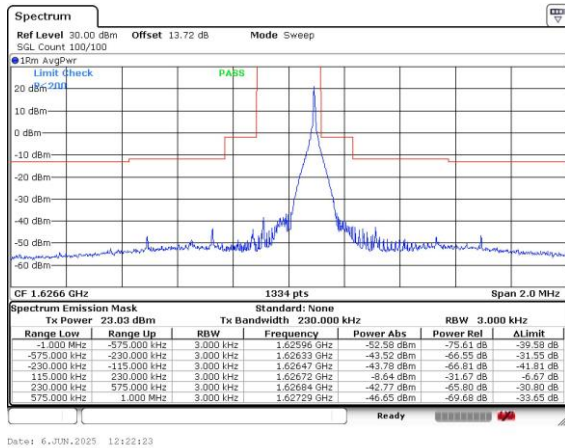


N/A



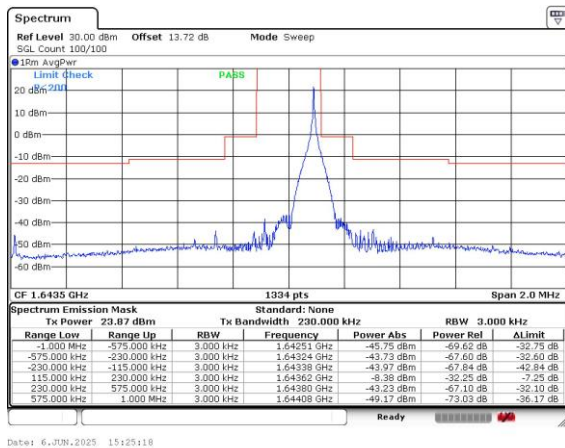
Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / QPSK



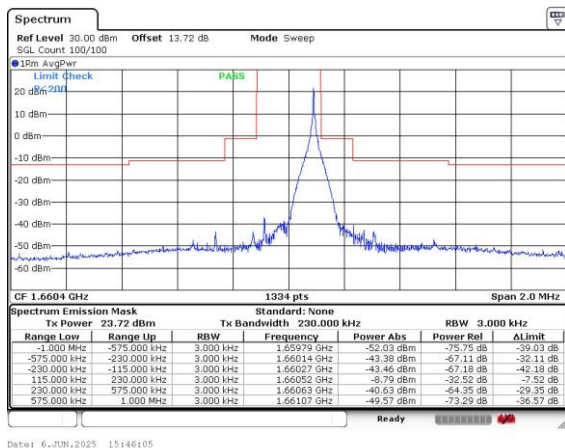
N/A

Middle Channel / 1SC47 / QPSK



N/A

Highest Channel / 1SC47 / QPSK

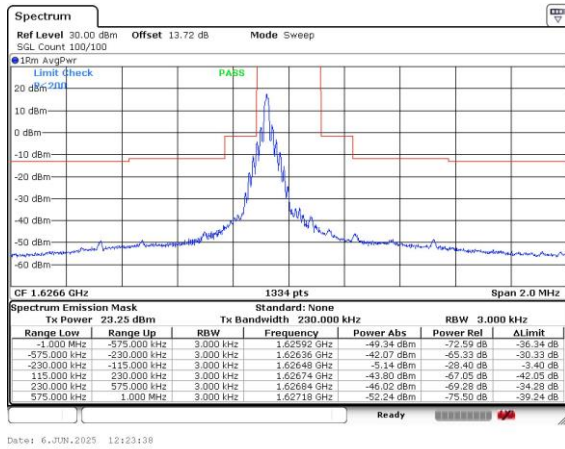


N/A



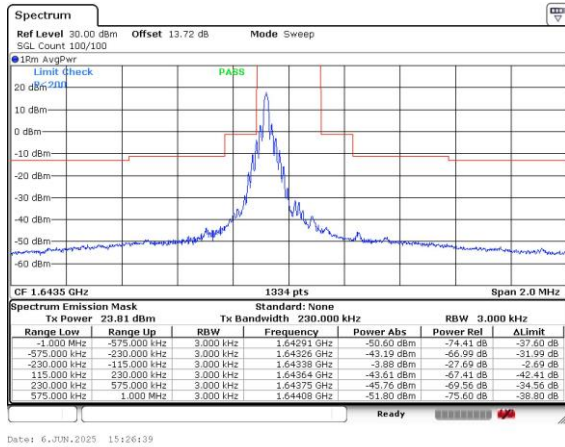
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / BPSK



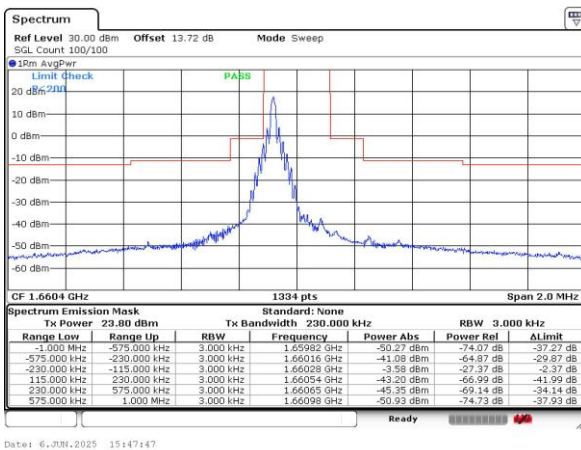
N/A

Middle Channel / 1SC0 / BPSK



N/A

Highest Channel / 1SC0 / BPSK

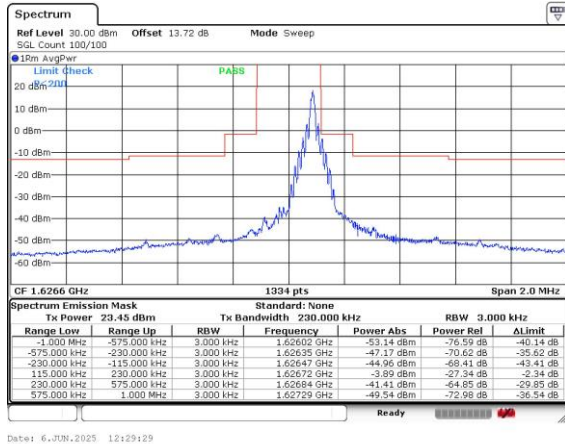


N/A



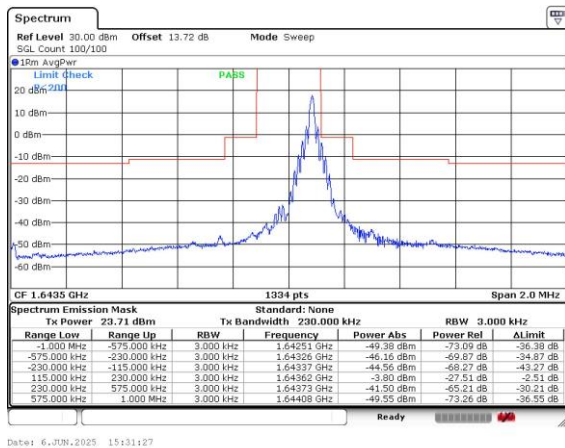
Band 255 SCS 15kHz

Lowest Channel / 1SC11 / BPSK



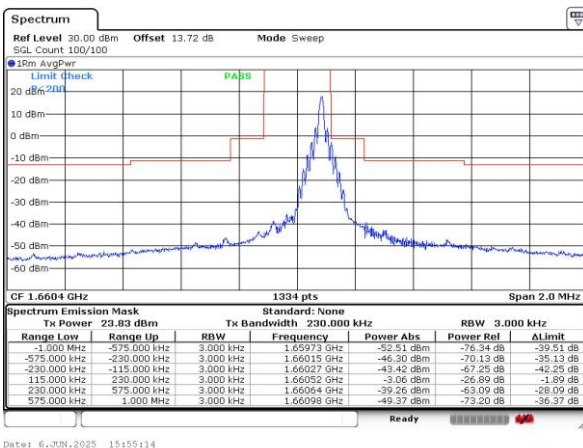
N/A

Middle Channel / 1SC11 / BPSK



N/A

Highest Channel / 1SC11 / BPSK

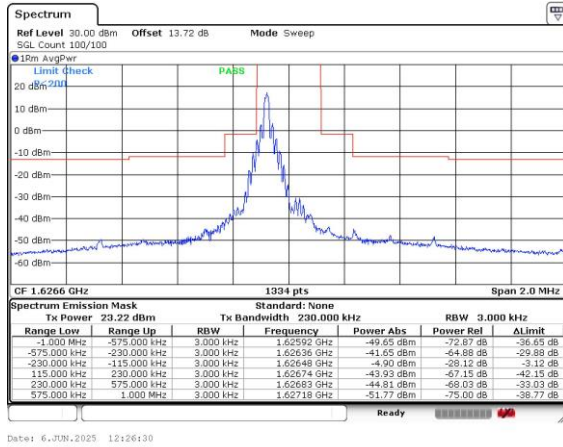


N/A



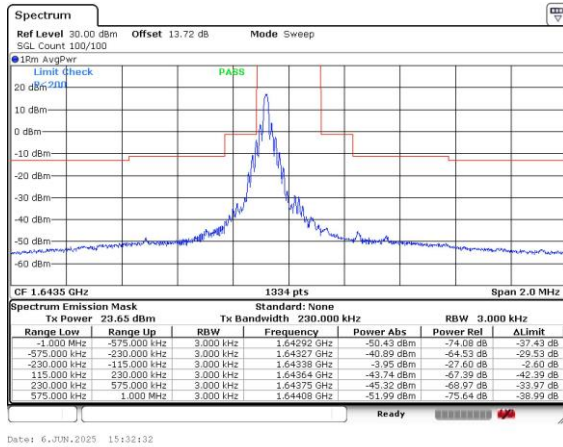
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / QPSK



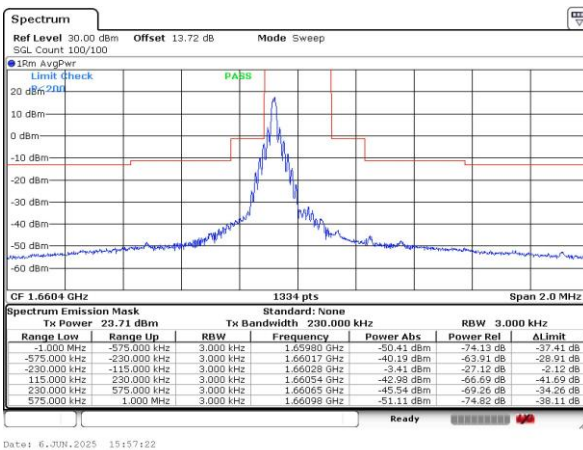
N/A

Middle Channel / 1SC0 / QPSK



N/A

Highest Channel / 1SC0 / QPSK

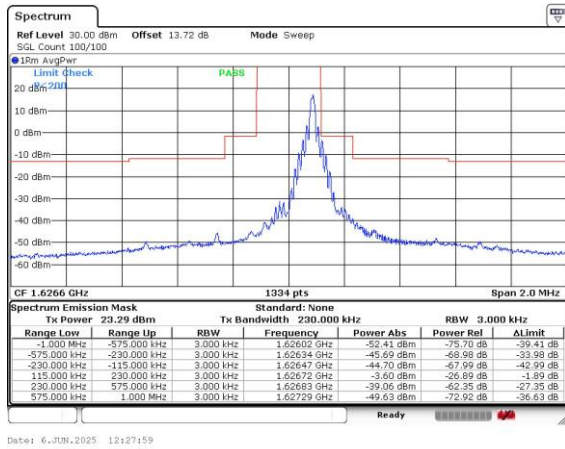


N/A



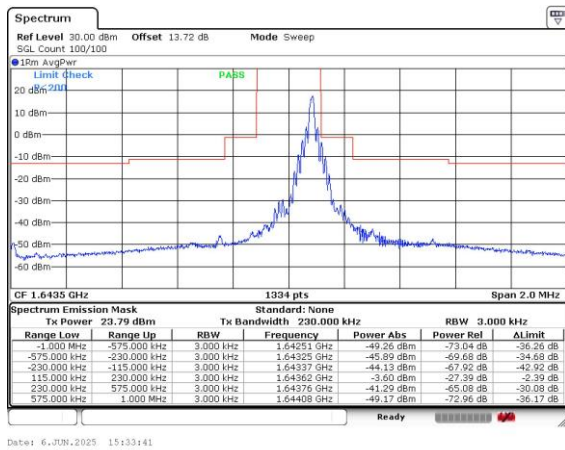
Band 255 SCS 15kHz

Lowest Channel / 1SC11 / QPSK



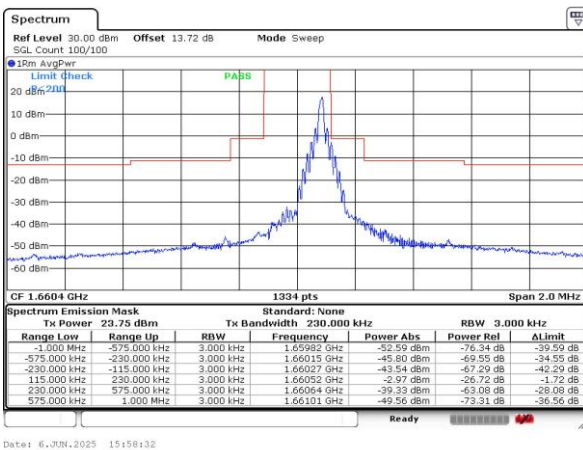
N/A

Middle Channel / 1SC11 / QPSK



N/A

Highest Channel / 1SC11 / QPSK

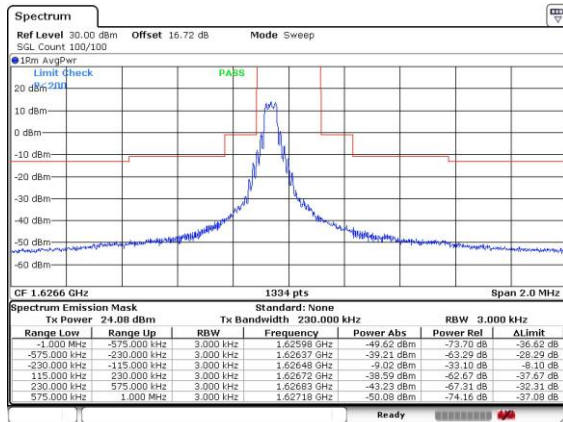


N/A



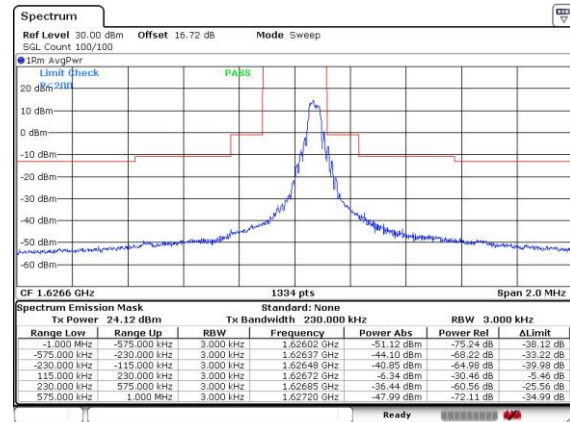
Band 255 SCS 15kHz

Lowest Channel / 3SC0 / QPSK



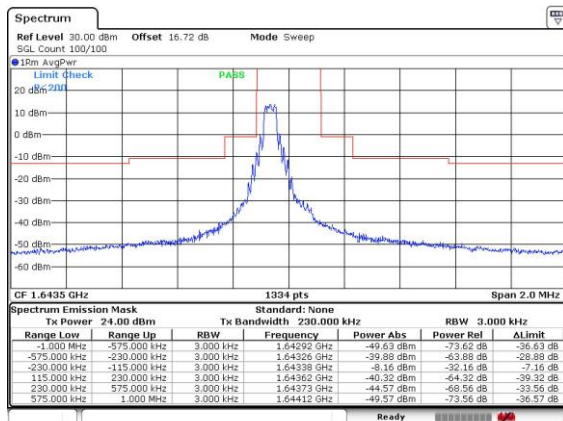
Date: 6.JUN.2025 15:06:46

Lowest Channel / 3SC9 / QPSK



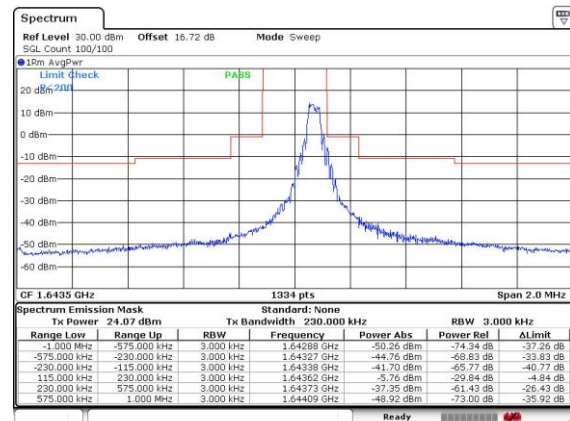
Date: 6.JUN.2025 15:06:40

Middle Channel / 3SC0 / QPSK



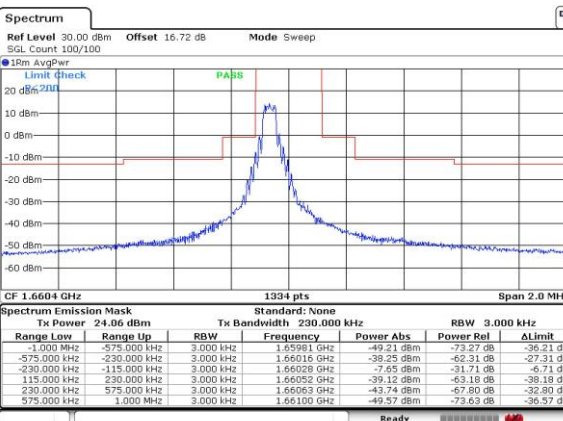
Date: 6.JUN.2025 15:13:12

Middle Channel / 3SC9 / QPSK



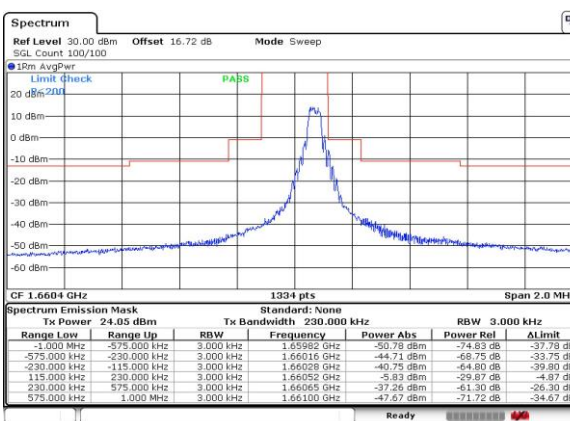
Date: 6.JUN.2025 15:13:12

Highest Channel / 3SC0 / QPSK



Date: 6.JUN.2025 16:00:28

Highest Channel / 3SC9 / QPSK

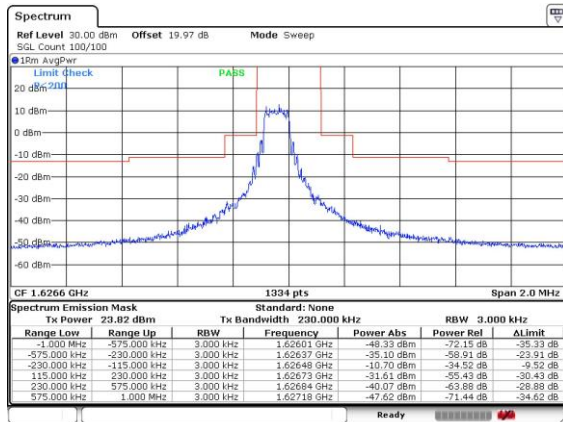


Date: 6.JUN.2025 16:01:40



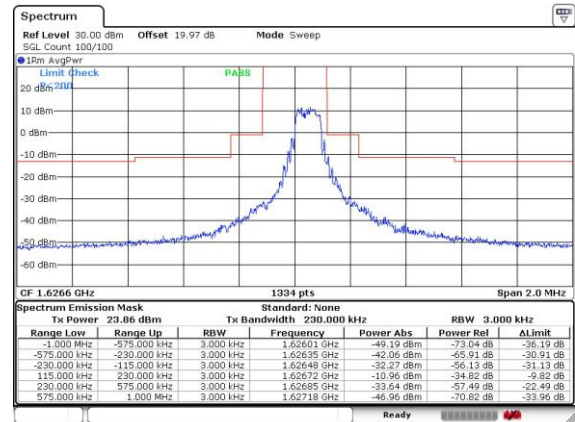
Band 255 SCS 15kHz

Lowest Channel / 6SC0 / QPSK



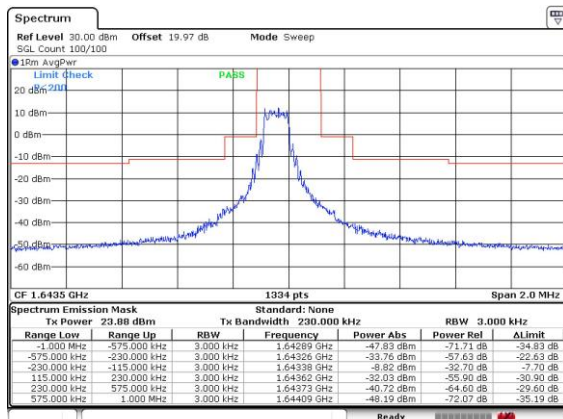
Date: 6.JUN.2025 15:10:39

Lowest Channel / 6SC6 / QPSK



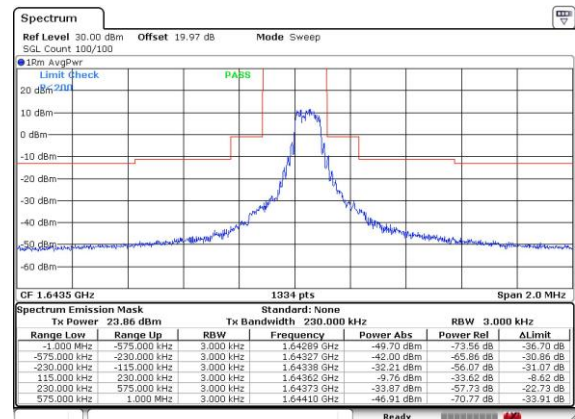
Date: 6.JUN.2025 15:13:20

Middle Channel / 6SC0 / QPSK



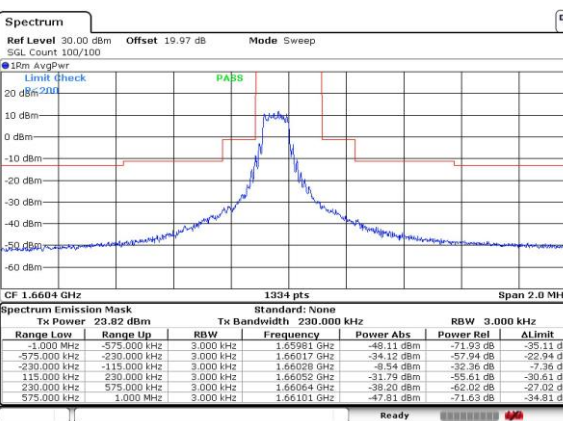
Date: 6.JUN.2025 15:37:30

Middle Channel / 6SC6 / QPSK



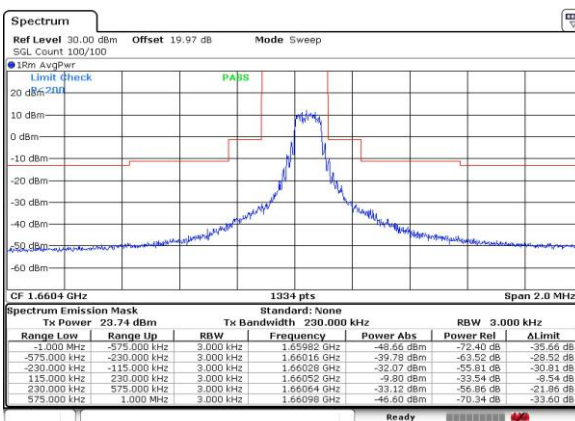
Date: 6.JUN.2025 15:39:01

Highest Channel / 6SC0 / QPSK



Date: 6.JUN.2025 16:03:23

Highest Channel / 6SC6 / QPSK



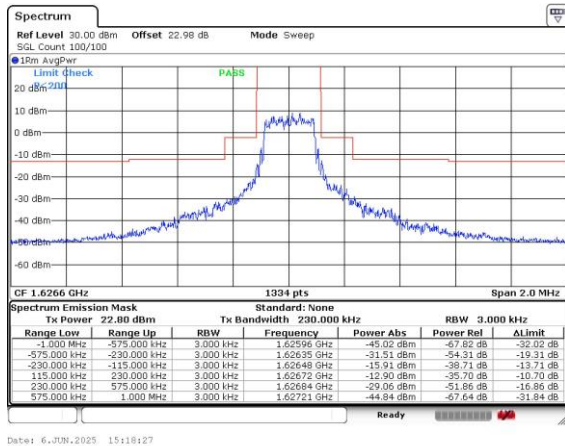
Date: 6.JUN.2025 16:05:34



Band 255 SCS 15kHz

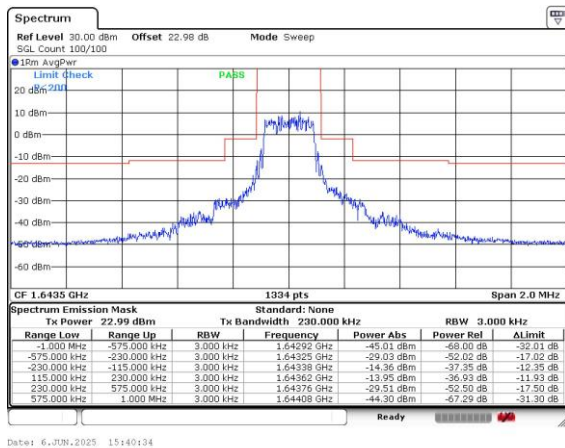
Lowest Channel / 12SC0 / QPSK

N/A



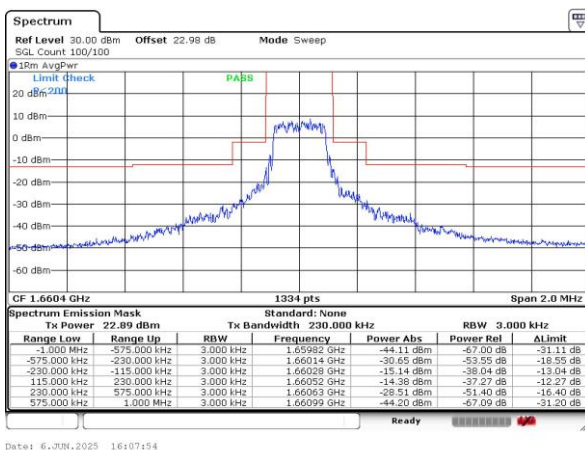
Middle Channel / 12SC0 / QPSK

N/A



Highest Channel / 12SC0 / QPSK

N/A

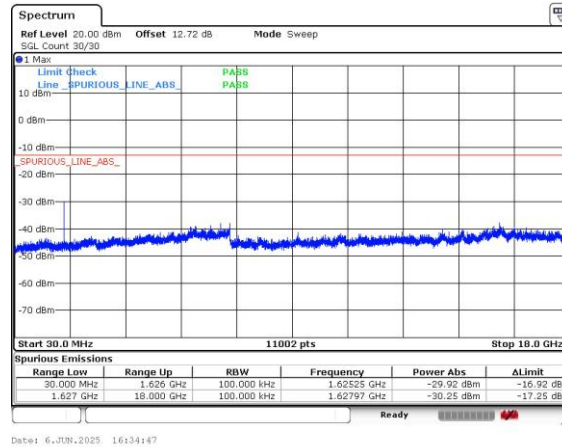




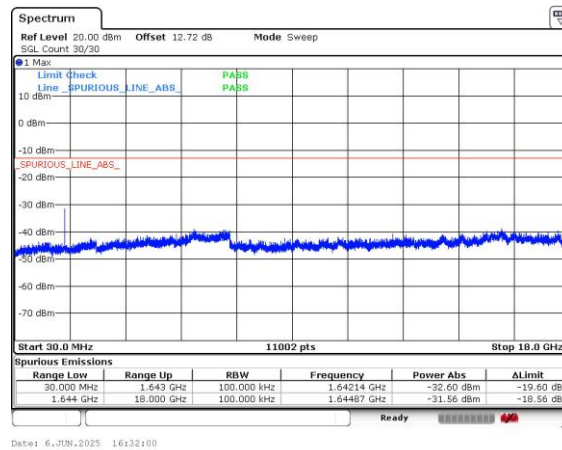
Conducted Spurious Emission

Band 255 SCS 3.75kHz

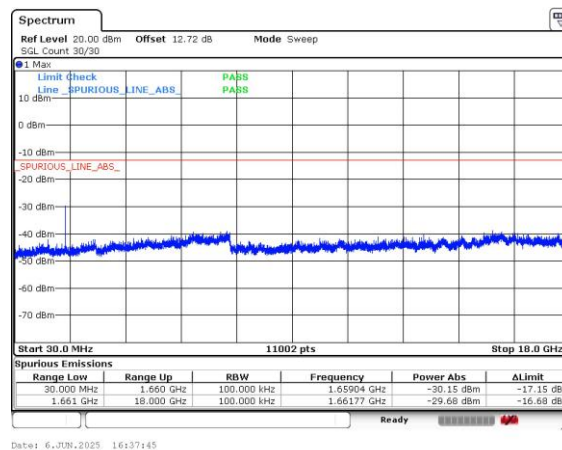
Lowest Channel / 1SC0 / QPSK

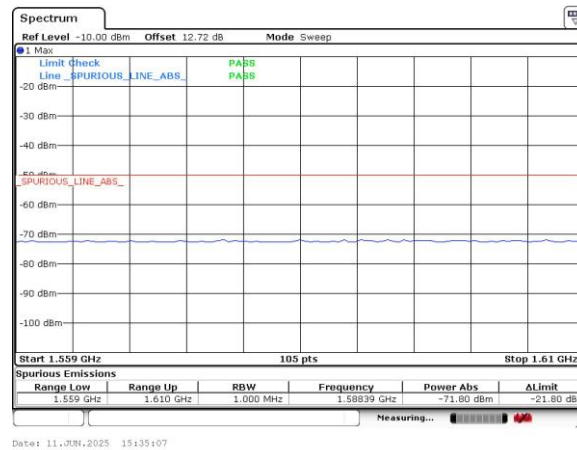


Middle Channel / 1SC0 / BPSK



Highest Channel / 1SC0 / QPSK



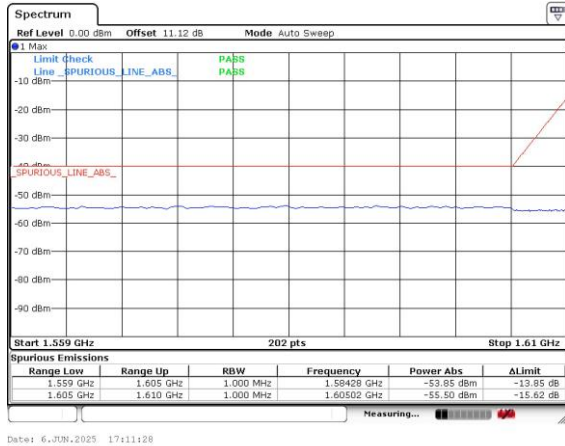
Emission limits for protection of aeronautical service**Band 255****Carrier off**



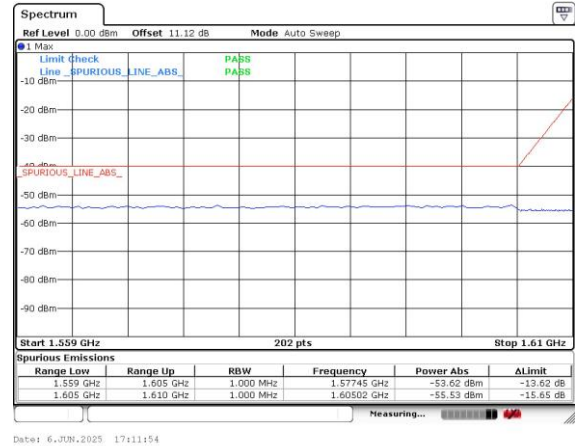
Band 255 SCS 3.75kHz

BPSK

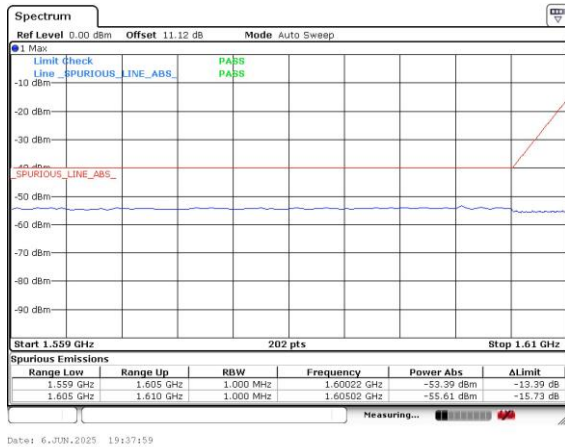
Lowest Channel / 1SC0 Broadband



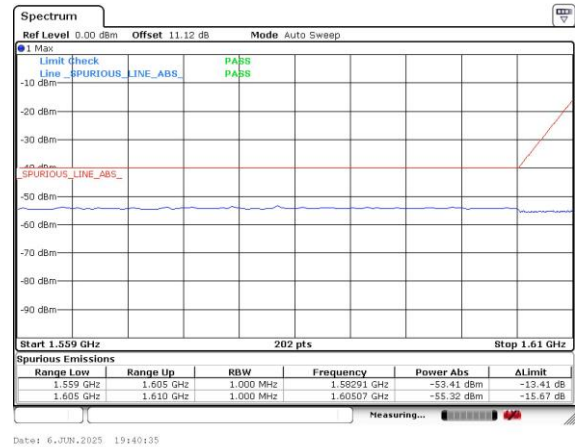
Lowest Channel / 1SC47 Broadband



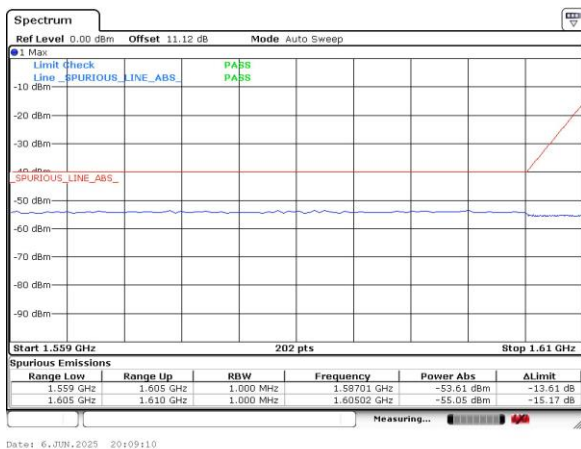
Middle Channel / 1SC0 Broadband



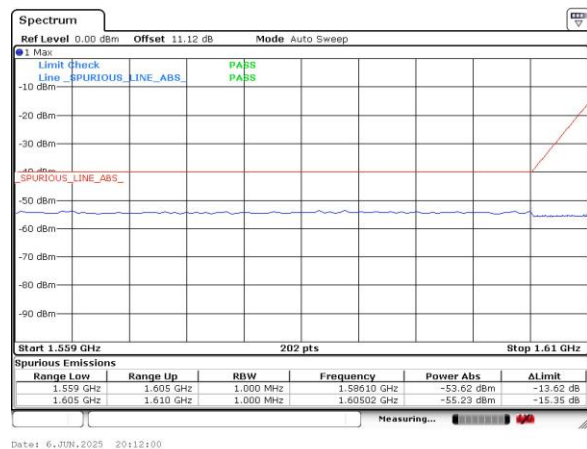
Middle Channel / 1SC47 Broadband



Highest Channel / 1SC0 Broadband

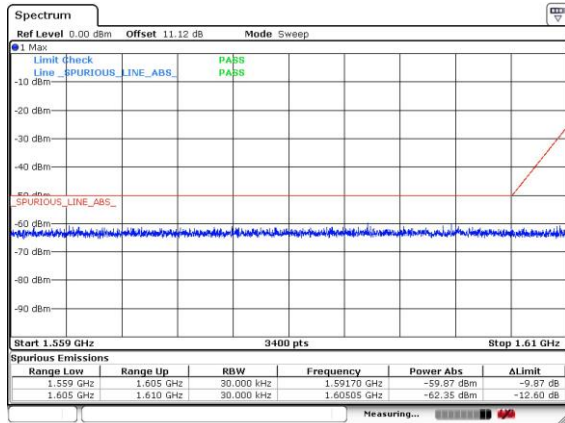


Highest Channel / 1SC47 Broadband



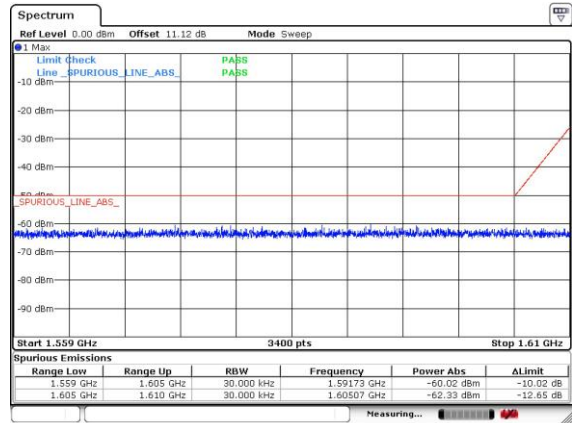


Lowest Channel / 1SC0 Discrete



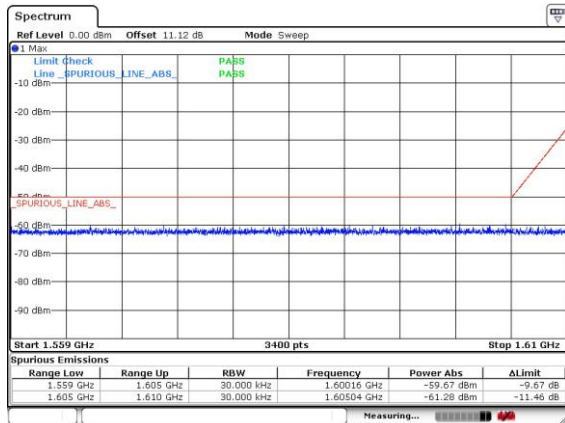
Date: 6 JUN 2025 22:12:05

Lowest Channel / 1SC47 Discrete



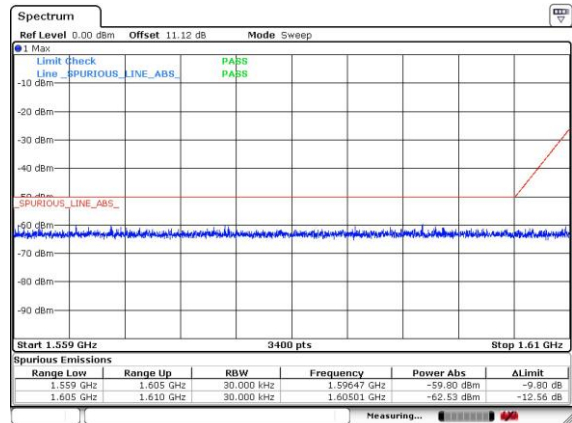
Date: 6 JUN 2025 22:14:22

Middle Channel / 1SC0 Discrete



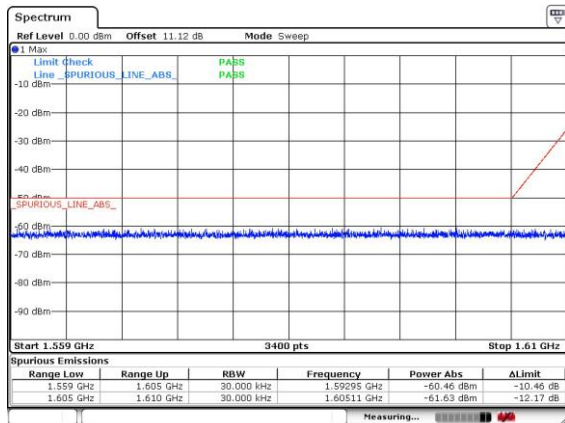
Date: 6 JUN 2025 21:58:37

Middle Channel / 1SC47 Discrete



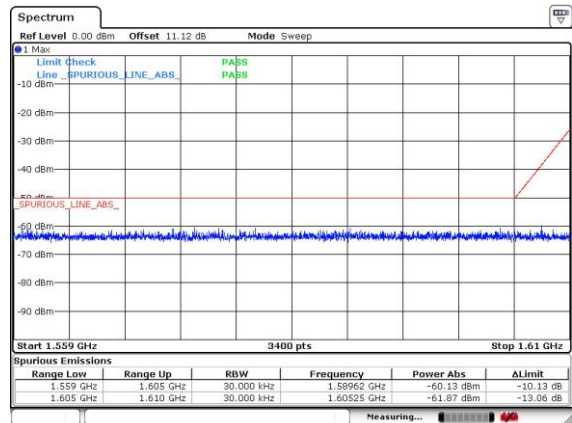
Date: 6 JUN 2025 22:01:03

Highest Channel / 1SC0 Discrete



Date: 6 JUN 2025 20:45:25

Highest Channel / 1SC47 Discrete



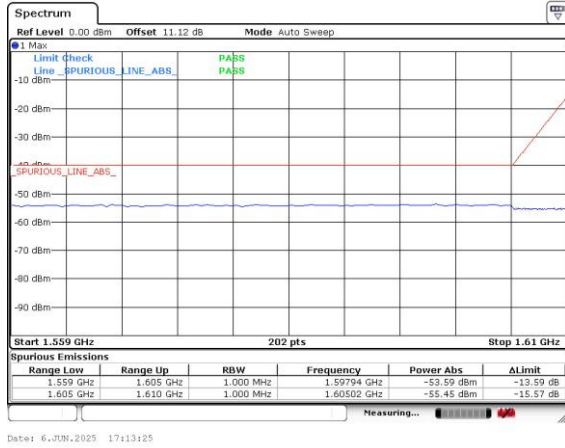
Date: 6 JUN 2025 20:48:36



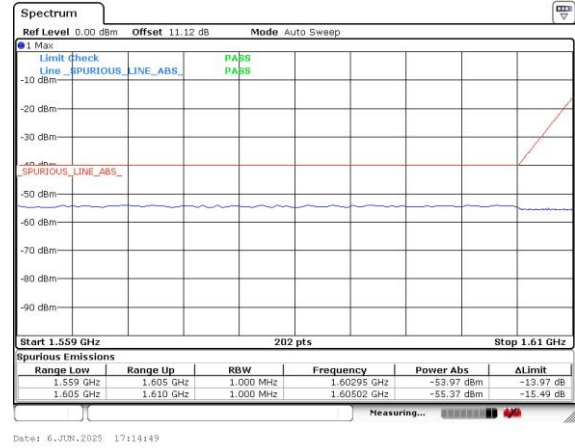
Band 255 SCS 3.75kHz

QPSK

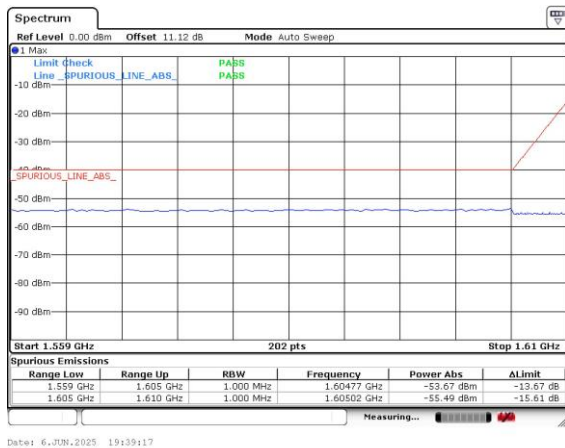
Lowest Channel / 1SC0 Broadband



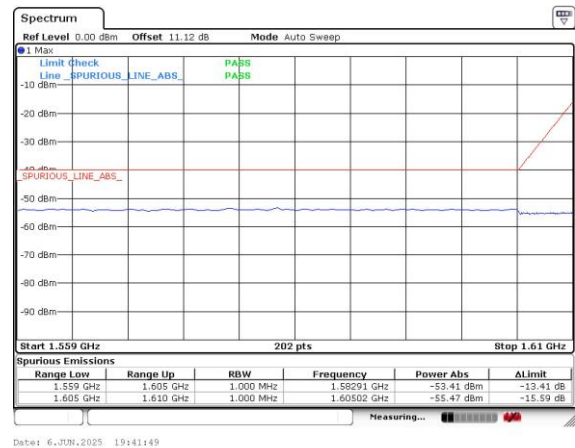
Lowest Channel / 1SC47 Broadband



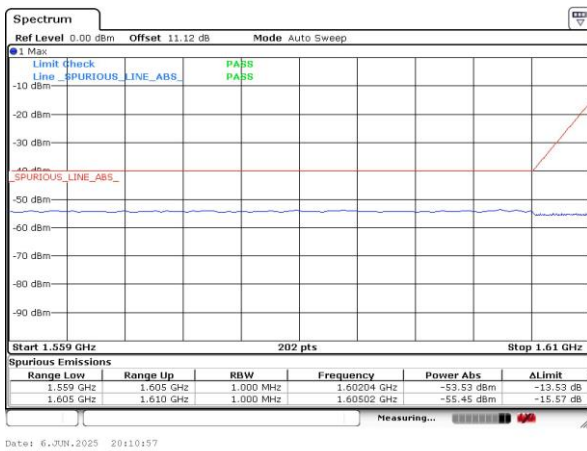
Middle Channel / 1SC0 Broadband



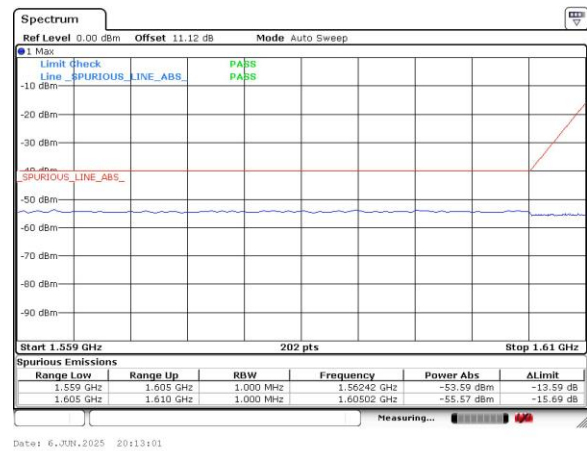
Middle Channel / 1SC47 Broadband



Highest Channel / 1SC0 Broadband

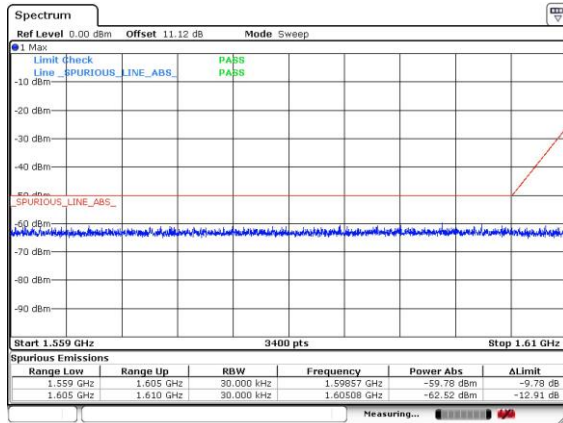


Highest Channel / 1SC47 Broadband



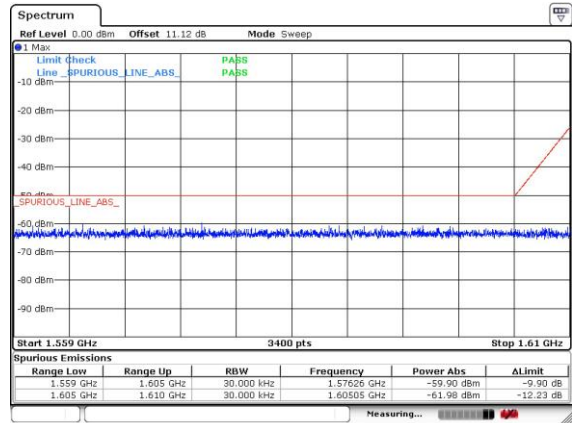


Lowest Channel / 1SC0 Discrete



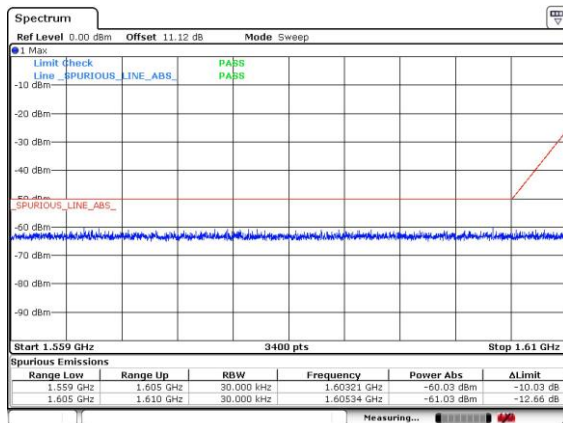
Date: 6 JUN 2025 22:13:27

Lowest Channel / 1SC47 Discrete



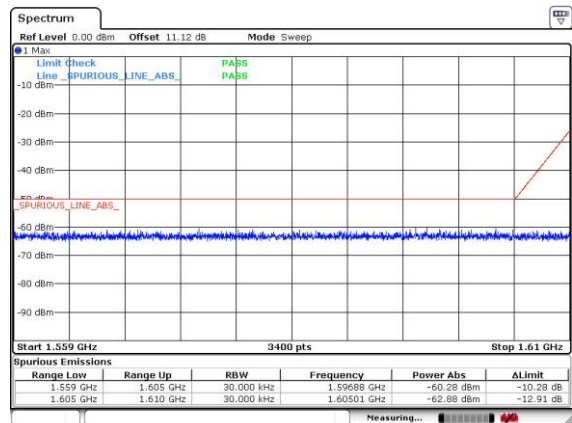
Date: 6 JUN 2025 22:15:09

Middle Channel / 1SC0 Discrete



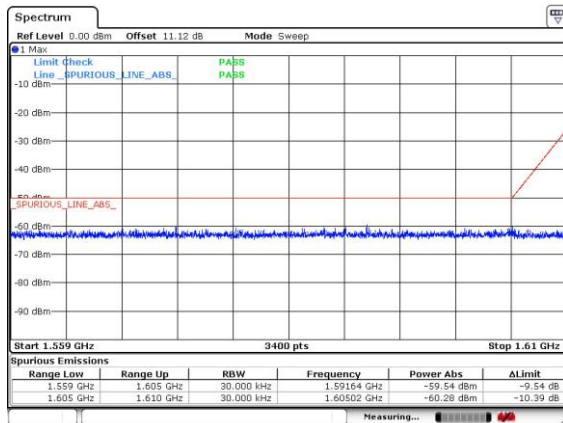
Date: 6 JUN 2025 21:59:53

Middle Channel / 1SC47 Discrete



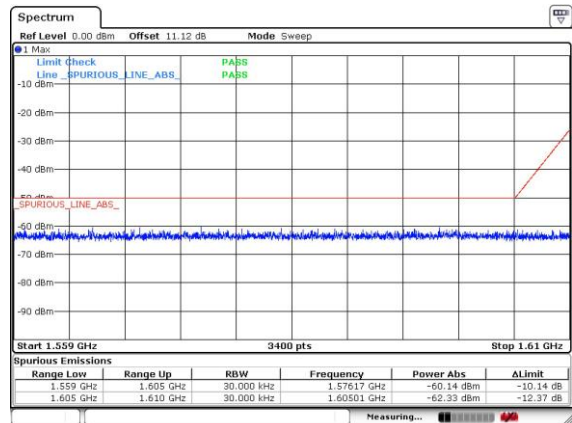
Date: 6 JUN 2025 22:02:13

Highest Channel / 1SC0 Discrete



Date: 6 JUN 2025 20:47:26

Highest Channel / 1SC47 Discrete



Date: 6 JUN 2025 20:52:11