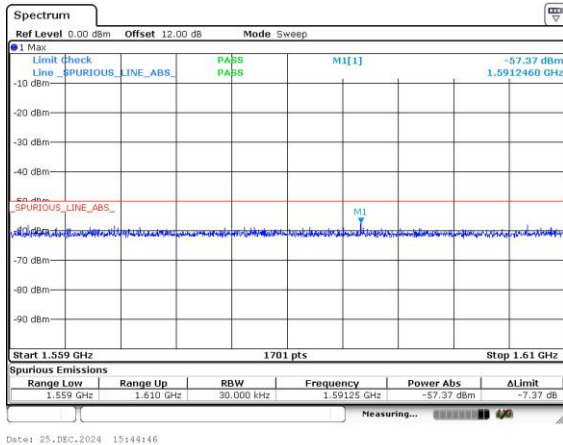
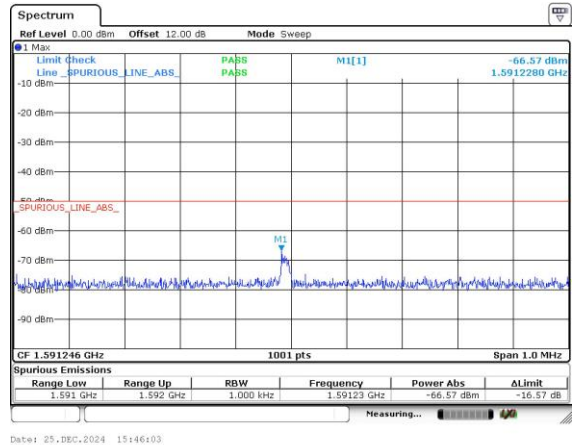




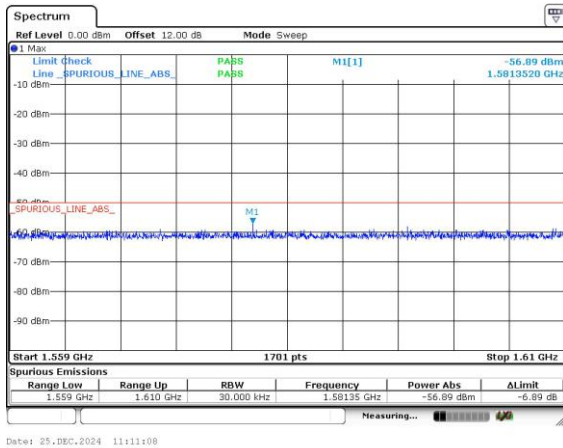
Lowest Channel / 1SC0 Discrete



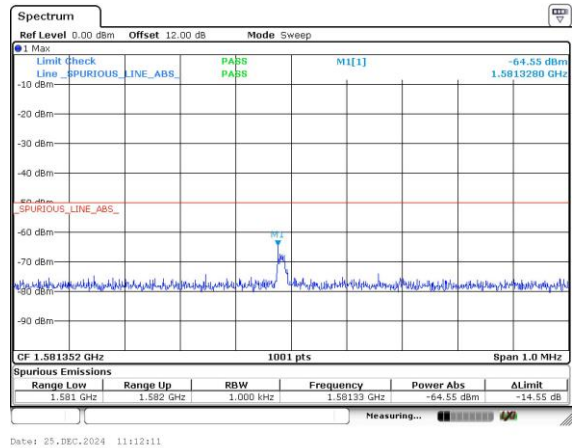
Lowest Channel / 1SC0 Discrete - Zoom in Verify



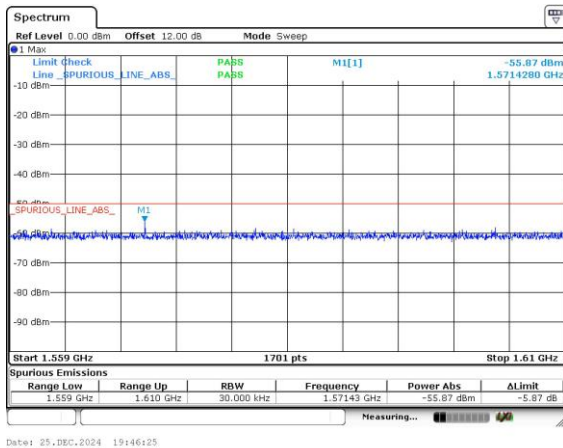
Middle Channel / 1SC0 Discrete



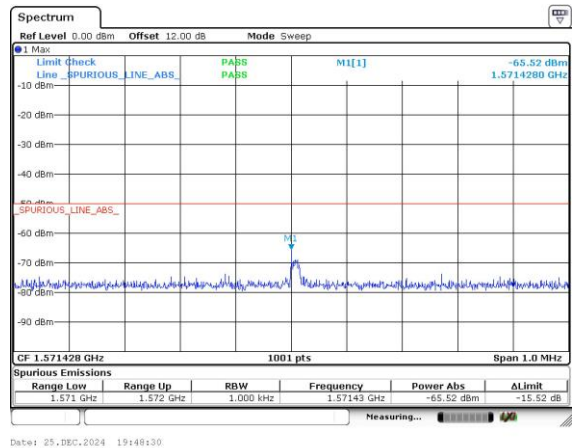
Middle Channel / 1SC0 Discrete - Zoom in Verify



Highest Channel / 1SC0 Discrete

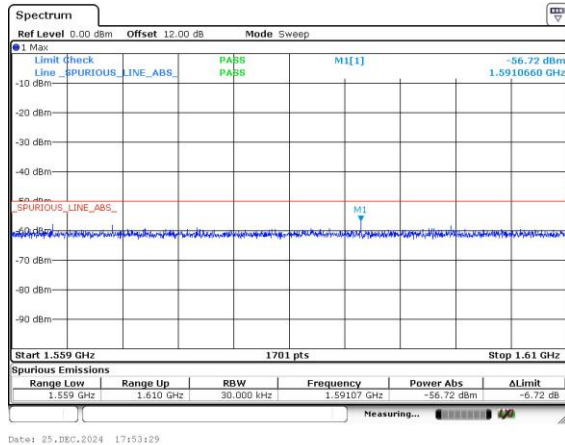


Highest Channel / 1SC0 Discrete - Zoom in Verify

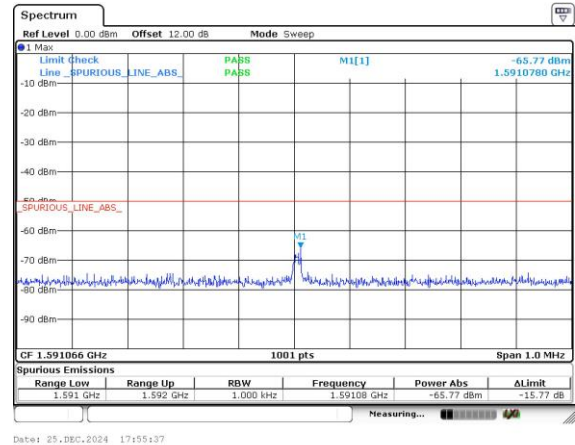




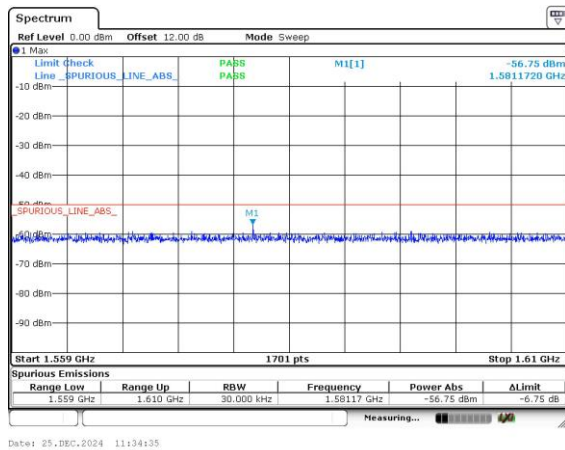
Lowest Channel / 1SC11 Discrete



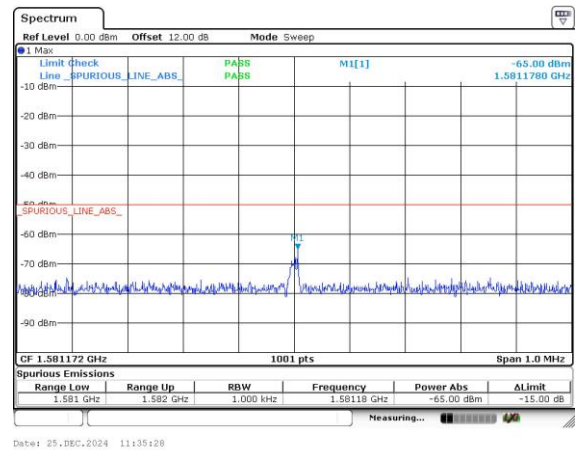
Lowest Channel / 1SC11 Discrete - Zoom in Verify



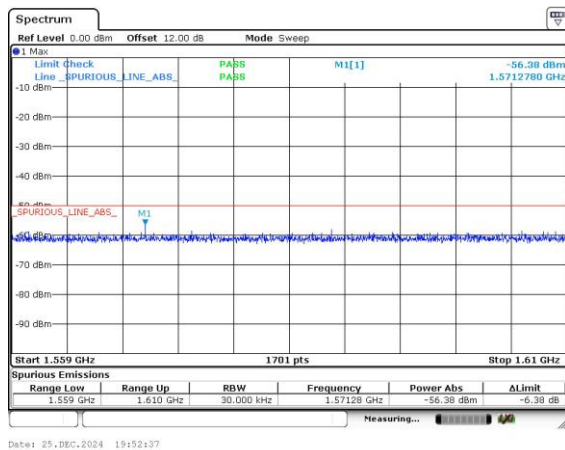
Middle Channel / 1SC11 Discrete



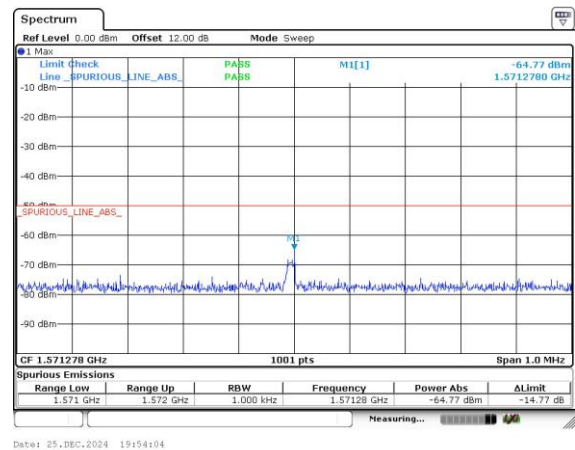
Middle Channel / 1SC11 Discrete - Zoom in Verify



Highest Channel / 1SC11 Discrete



Highest Channel / 1SC11 Discrete - Zoom in Verify



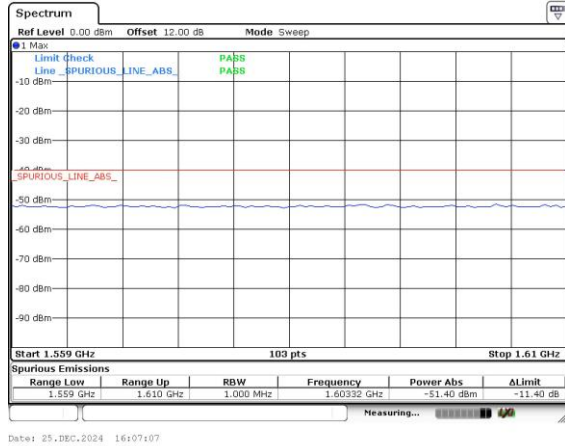


Band 23 SCS 15kHz

QPSK

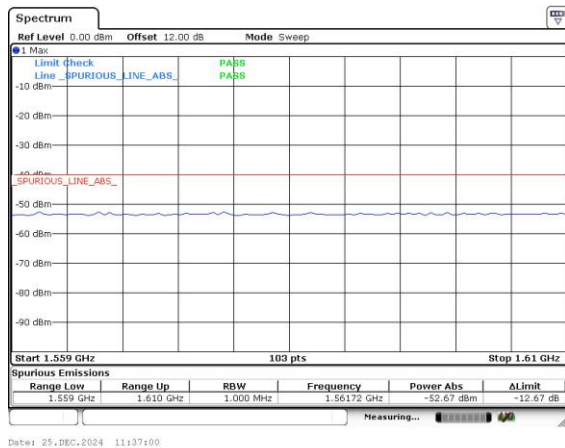
Lowest Channel / 1SC0 Broadband

Lowest Channel / 1SC0 Broadband - Zoom in Verify



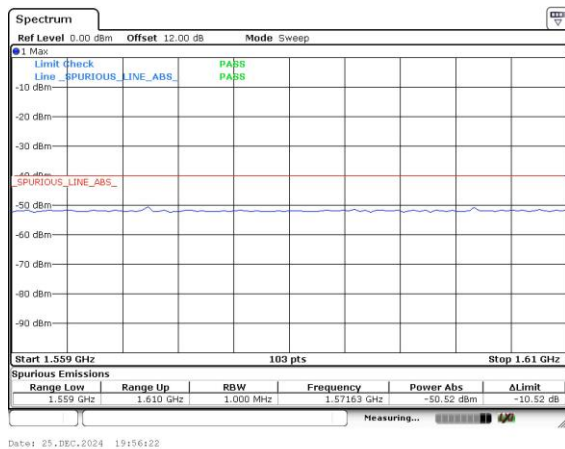
Middle Channel / 1SC0 Broadband

Middle Channel / 1SC0 Broadband - Zoom in Verify



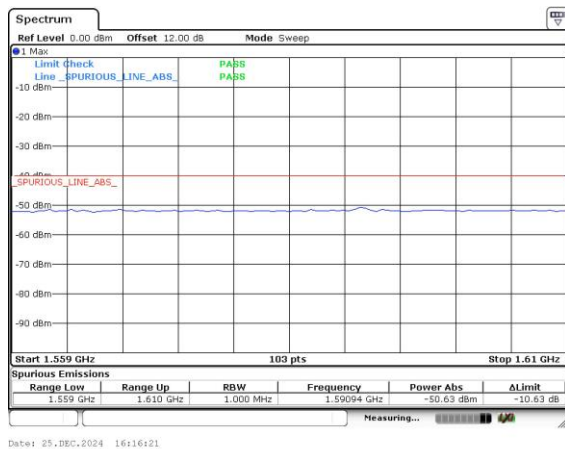
Highest Channel / 1SC0 Broadband

Highest Channel / 1SC0 Broadband - Zoom in Verify



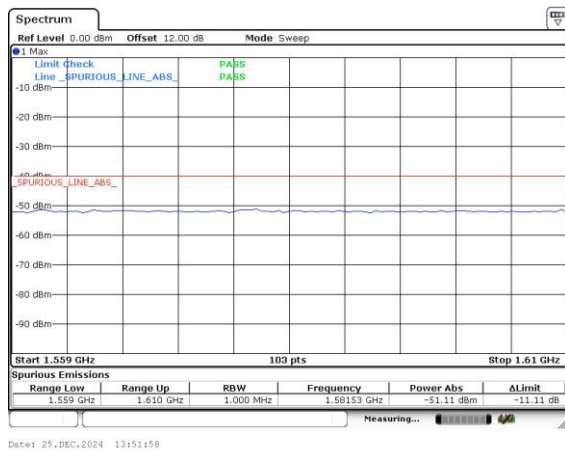


Lowest Channel / 1SC11 Broadband



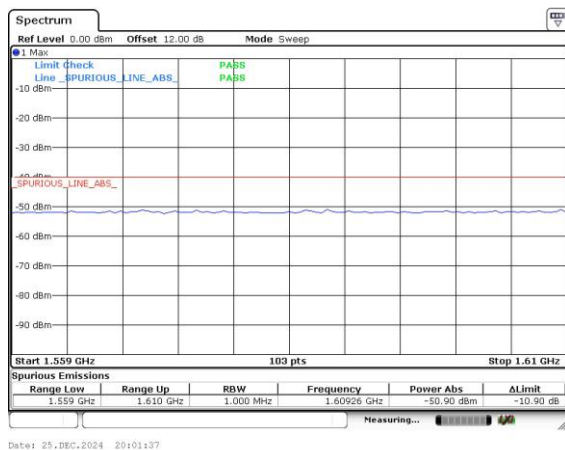
Lowest Channel / 1SC11 Broadband - Zoom in Verify

Middle Channel / 1SC11 Broadband



Middle Channel / 1SC11 Broadband - Zoom in Verify

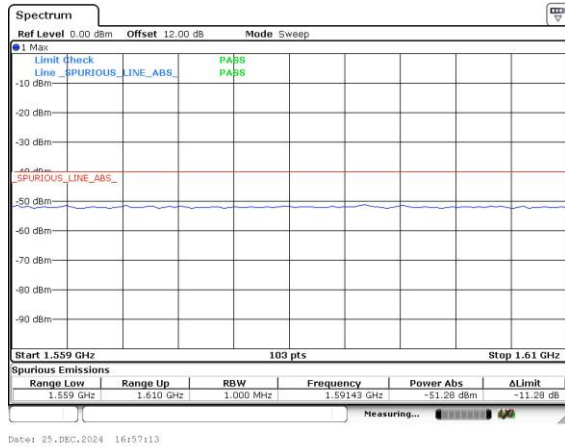
Highest Channel / 1SC11 Broadband



Highest Channel / 1SC11 Broadband - Zoom in Verify

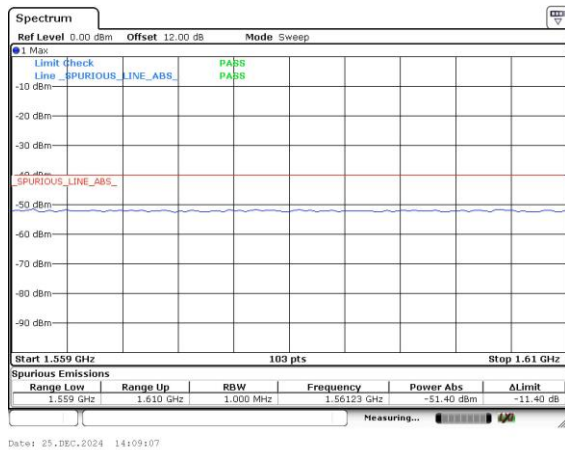


Lowest Channel / 3SC0 Broadband



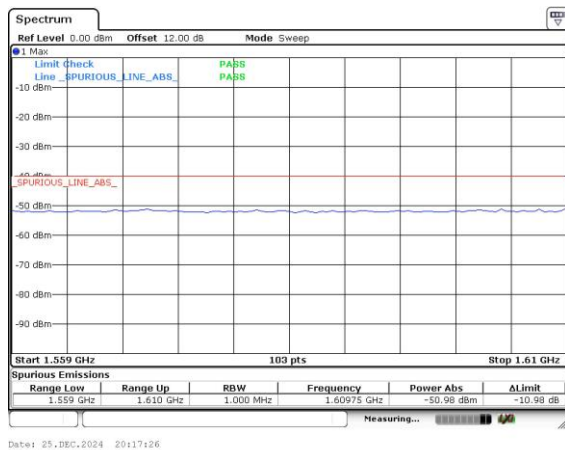
Lowest Channel / 3SC0 Broadband - Zoom in Verify

Middle Channel / 3SC0 Broadband



Middle Channel / 3SC0 Broadband - Zoom in Verify

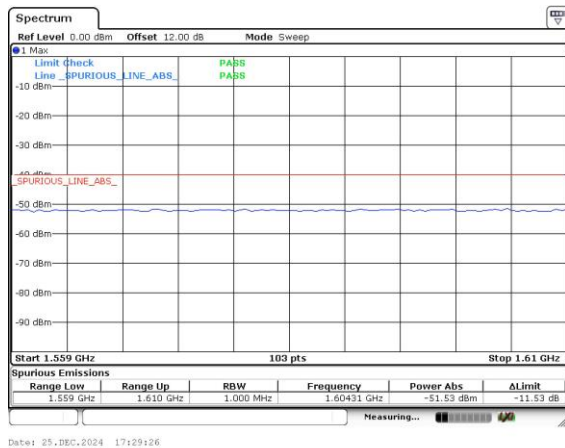
Highest Channel / 3SC0 Broadband



Highest Channel / 3SC0 Broadband - Zoom in Verify

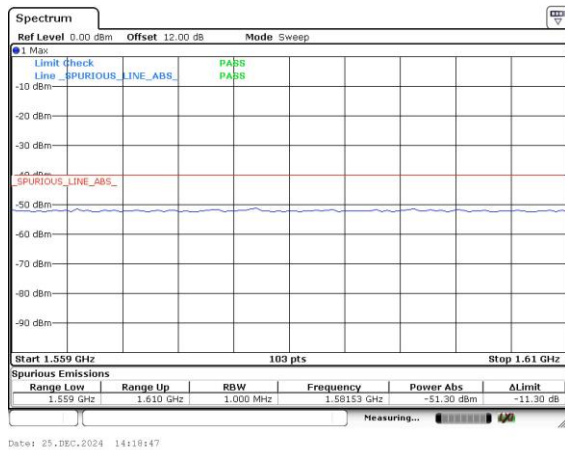


Lowest Channel / 3SC9 Broadband



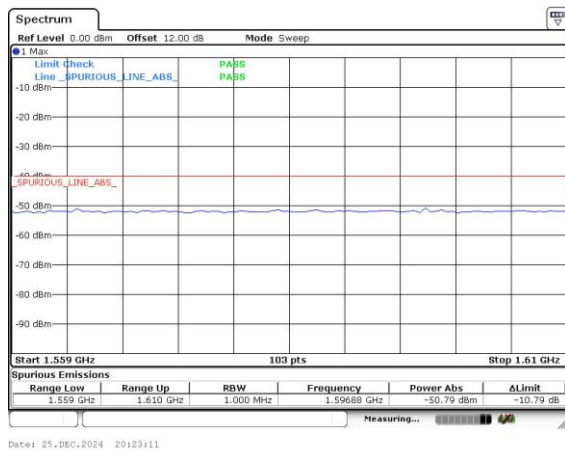
Lowest Channel / 3SC9 Broadband - Zoom in Verify

Middle Channel / 3SC9 Broadband



Middle Channel / 3SC9 Broadband - Zoom in Verify

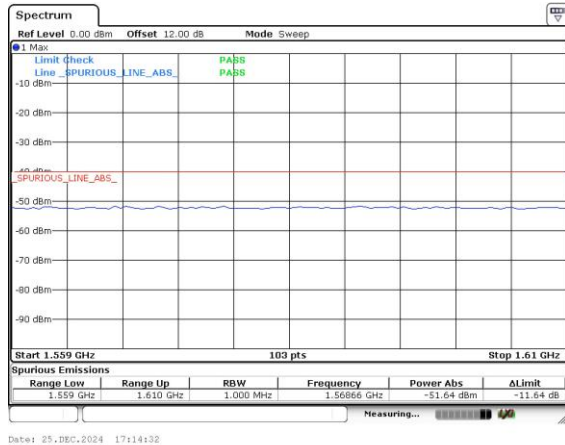
Highest Channel / 3SC9 Broadband



Highest Channel / 3SC9 Broadband - Zoom in Verify

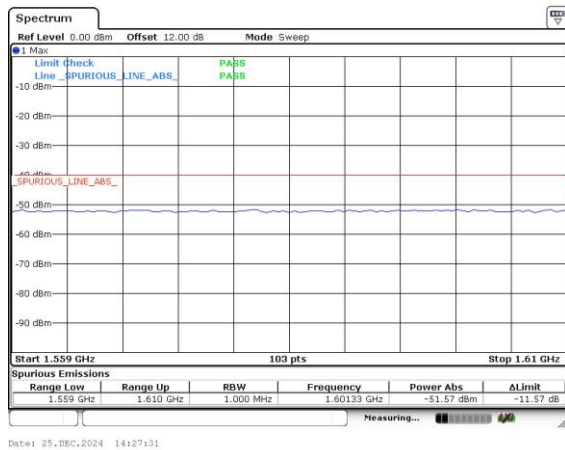


Lowest Channel / 6SC0 Broadband



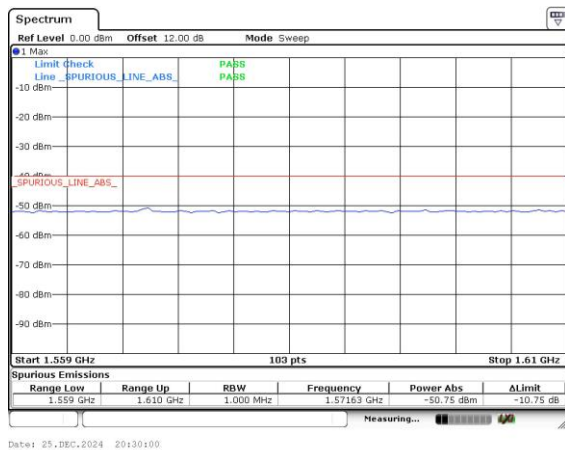
Lowest Channel / 6SC0 Broadband - Zoom in Verify

Middle Channel / 6SC0 Broadband



Middle Channel / 6SC0 Broadband - Zoom in Verify

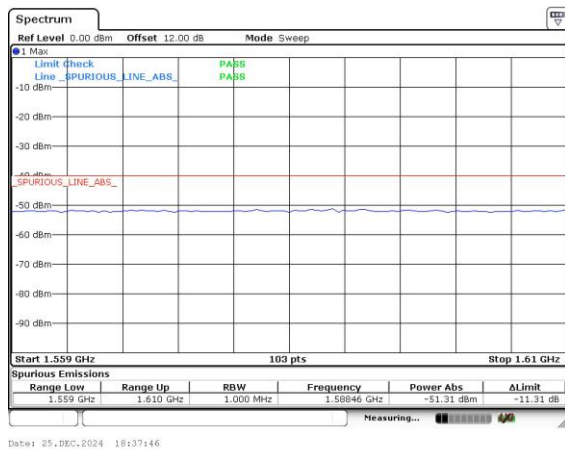
Highest Channel / 6SC0 Broadband



Highest Channel / 6SC0 Broadband - Zoom in Verify



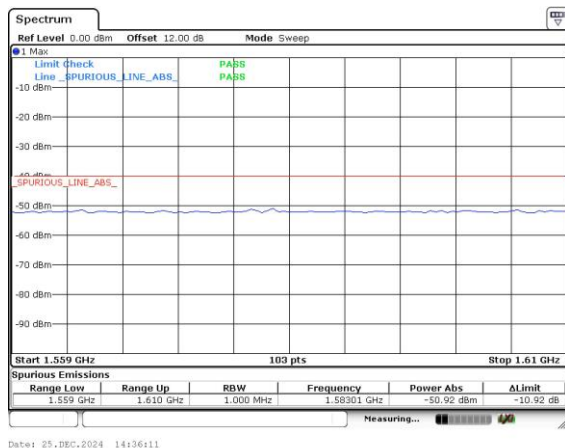
Lowest Channel / 6SC6 Broadband



Date: 25.DEC.2024 18:37:46

Lowest Channel / 6SC6 Broadband - Zoom in Verify

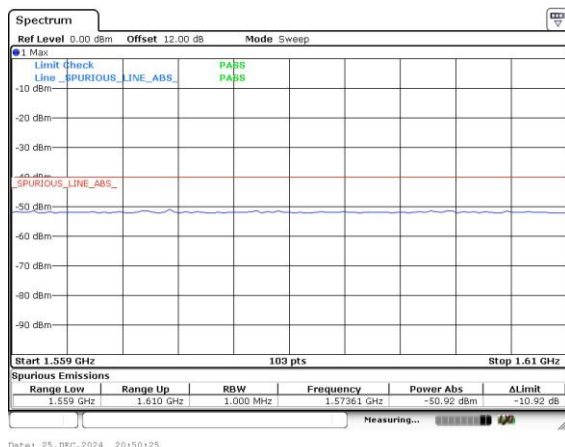
Middle Channel / 6SC6 Broadband



Date: 25.DEC.2024 14:36:11

Middle Channel / 6SC6 Broadband - Zoom in Verify

Highest Channel / 6SC6 Broadband

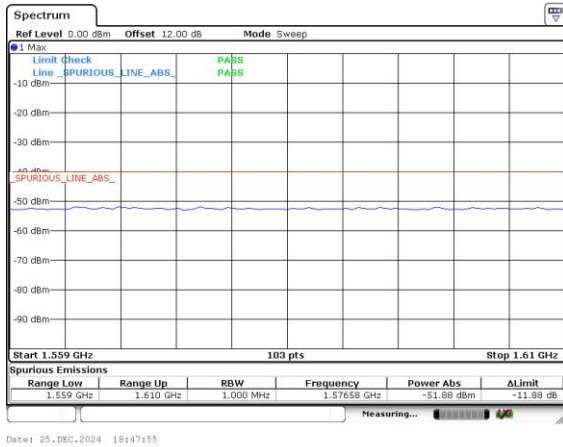


Date: 25.DEC.2024 20:50:25

Highest Channel / 6SC6 Broadband - Zoom in Verify

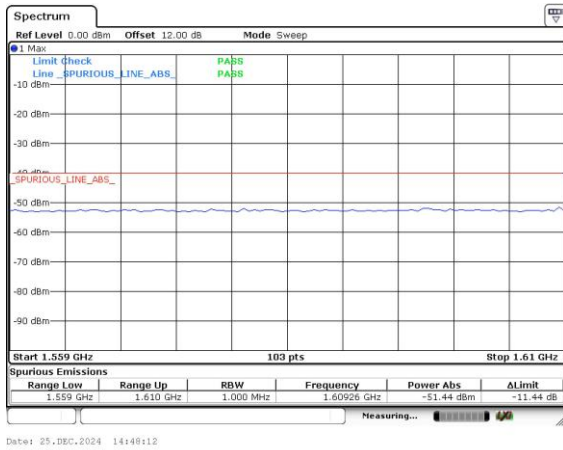


Lowest Channel / 12SC0 Broadband



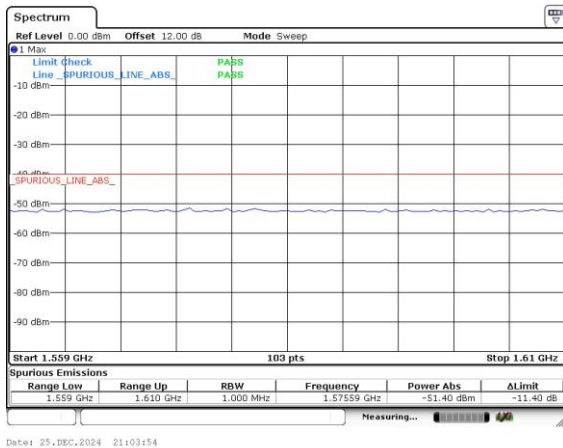
Lowest Channel / 12SC0 Broadband - Zoom in Verify

Middle Channel / 12SC0 Broadband



Middle Channel / 12SC0 Broadband - Zoom in Verify

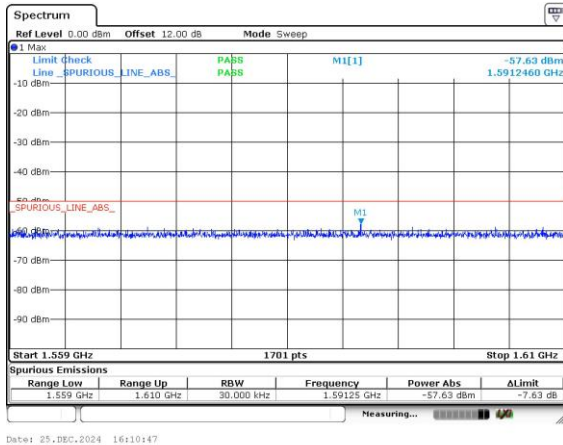
Highest Channel / 12SC0 Broadband



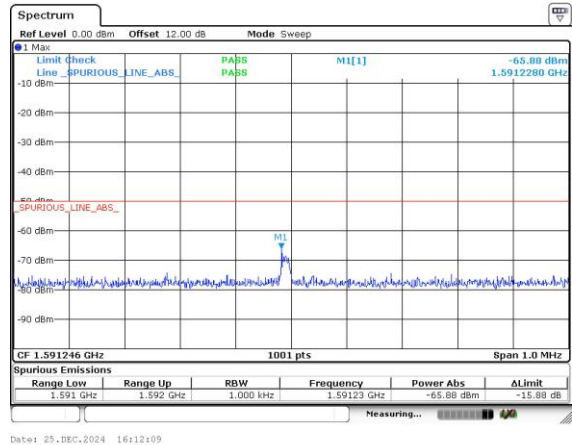
Highest Channel / 12SC0 Broadband - Zoom in Verify



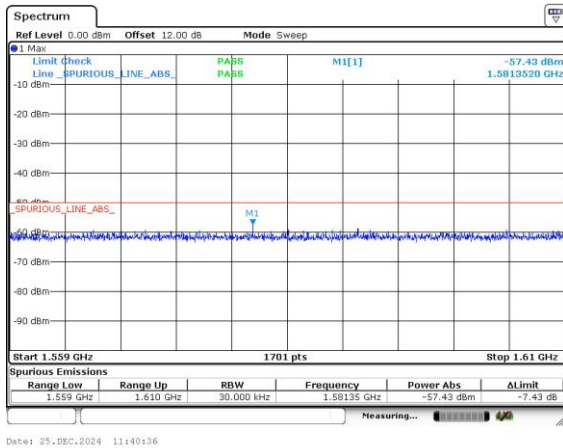
Lowest Channel / 1SC0 Discrete



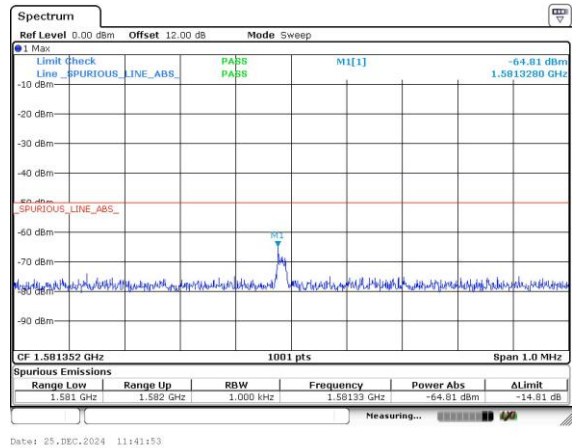
Lowest Channel / 1SC0 Discrete - Zoom in Verify



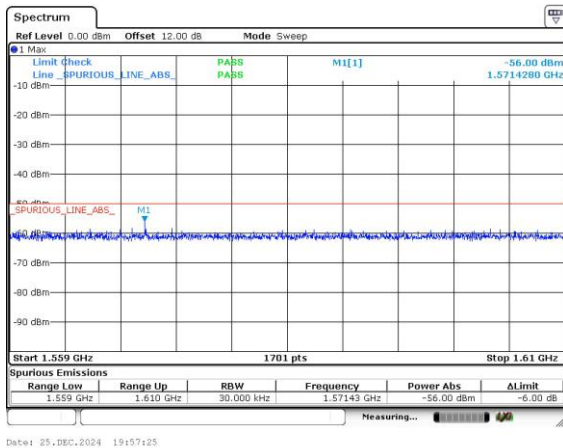
Middle Channel / 1SC0 Discrete



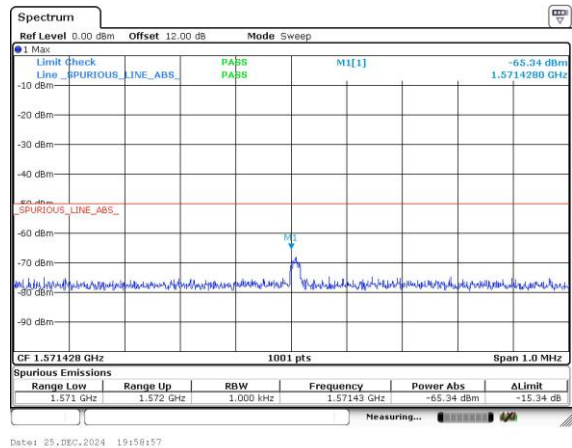
Middle Channel / 1SC0 Discrete - Zoom in Verify



Highest Channel / 1SC0 Discrete

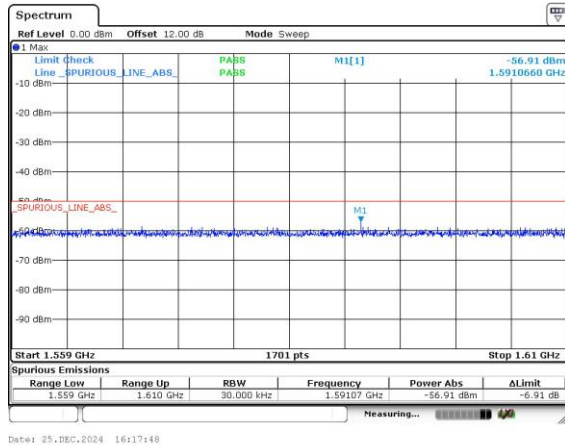


Highest Channel / 1SC0 Discrete - Zoom in Verify

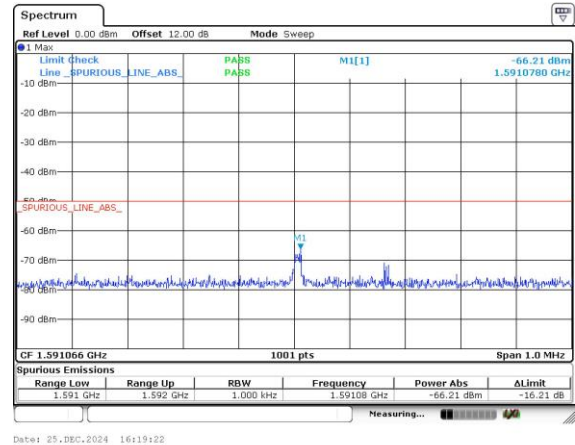




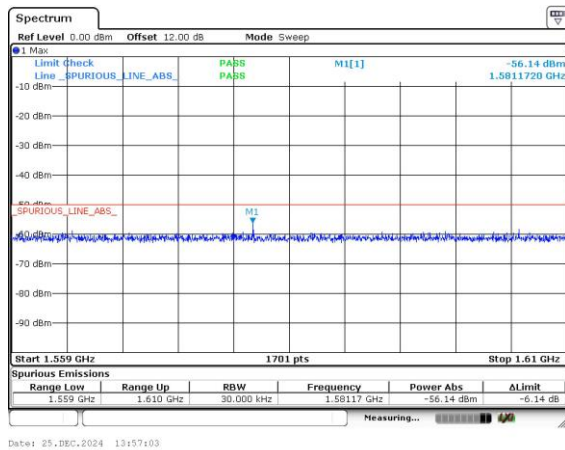
Lowest Channel / 1SC11 Discrete



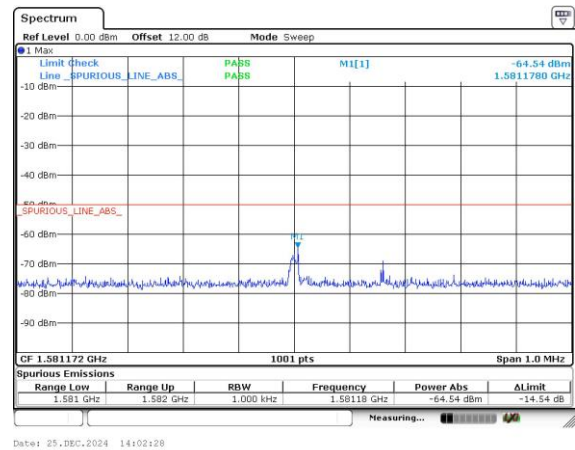
Lowest Channel / 1SC11 Discrete - Zoom in Verify



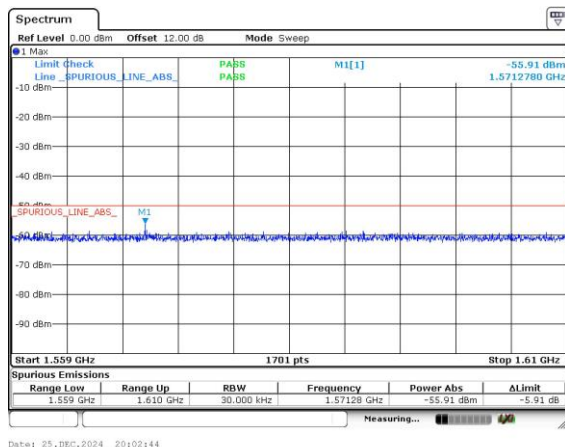
Middle Channel / 1SC11 Discrete



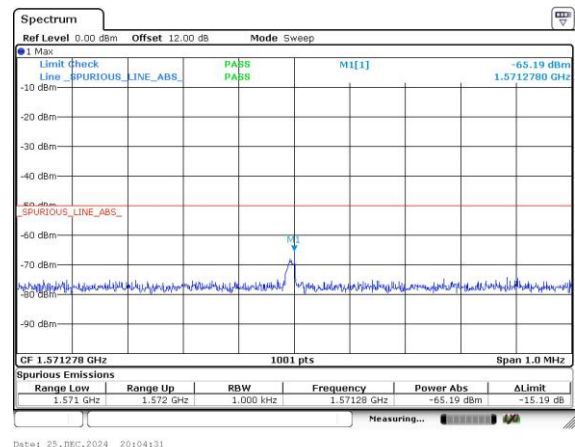
Middle Channel / 1SC11 Discrete - Zoom in Verify



Highest Channel / 1SC11 Discrete

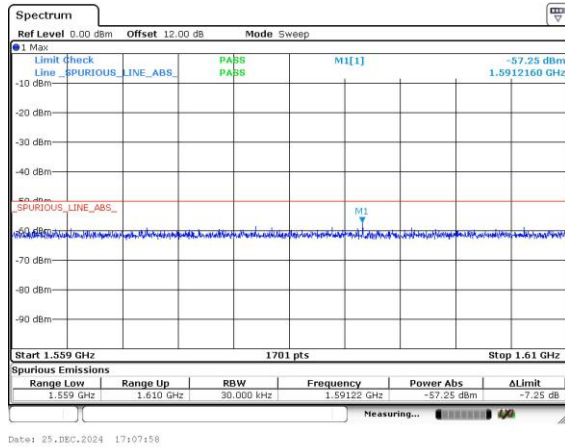


Highest Channel / 1SC11 Discrete - Zoom in Verify

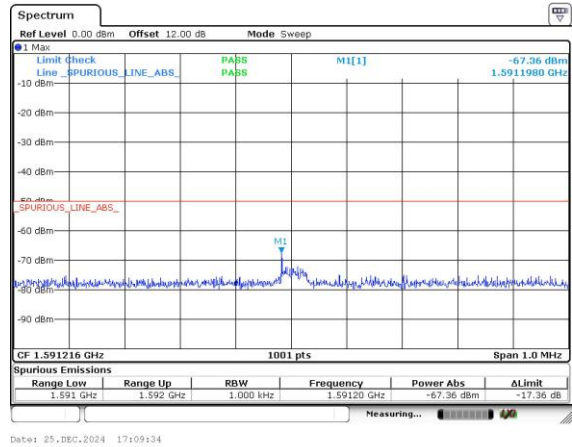




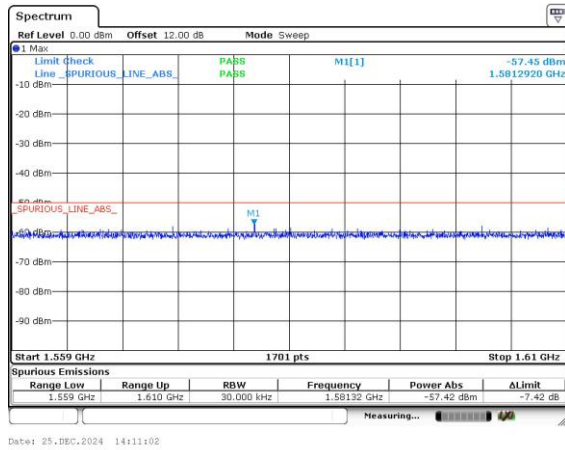
Lowest Channel / 3SC0 Discrete



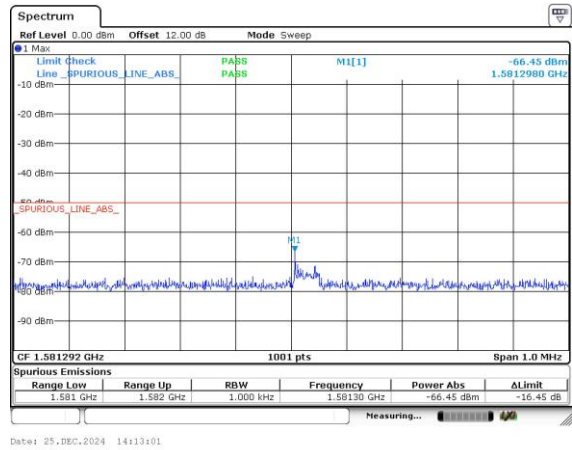
Lowest Channel / 3SC0 Discrete - Zoom in Verify



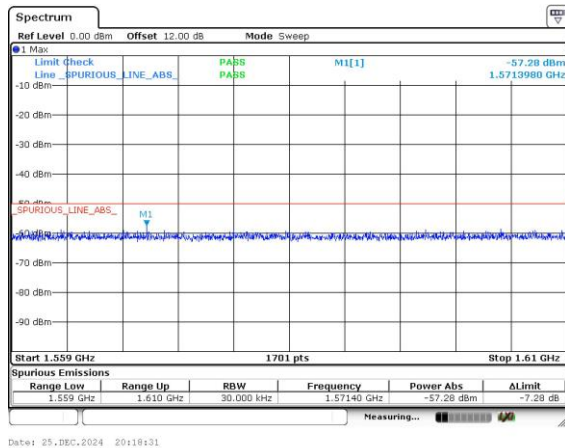
Middle Channel / 3SC0 Discrete



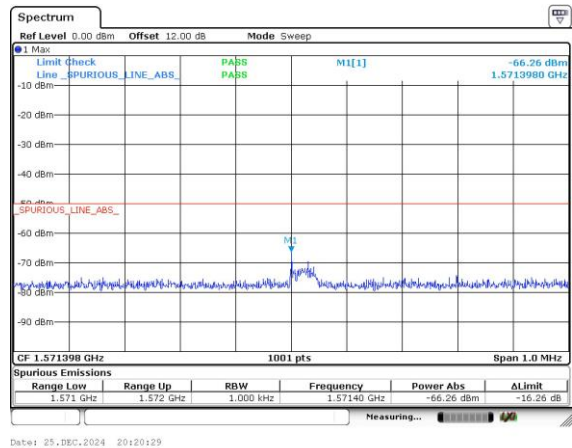
Middle Channel / 3SC0 Discrete - Zoom in Verify



Highest Channel / 3SC0 Discrete

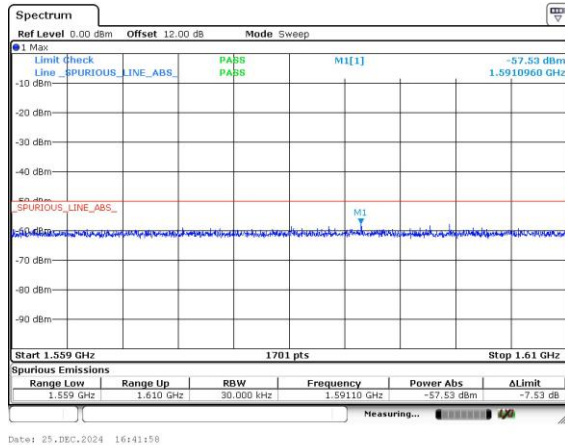


Highest Channel / 3SC0 Discrete - Zoom in Verify

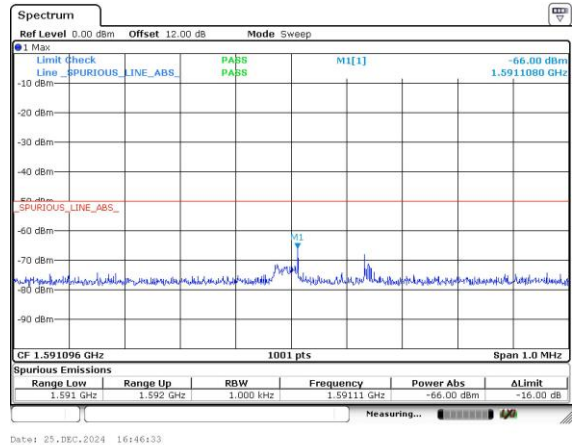




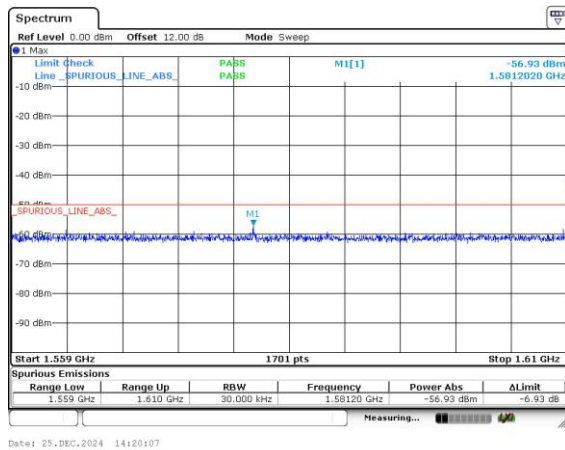
Lowest Channel / 3SC9 Discrete



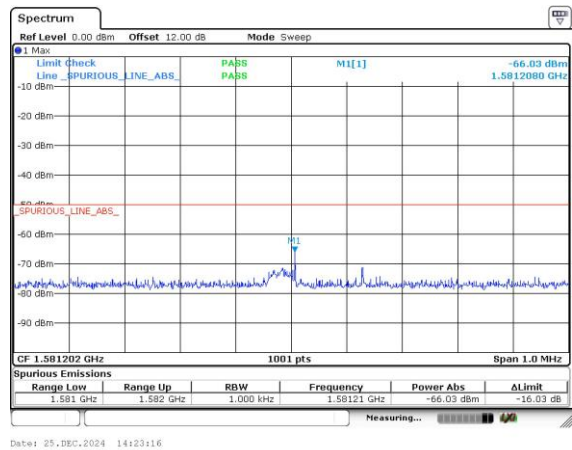
Lowest Channel / 3SC9 Discrete - Zoom in Verify



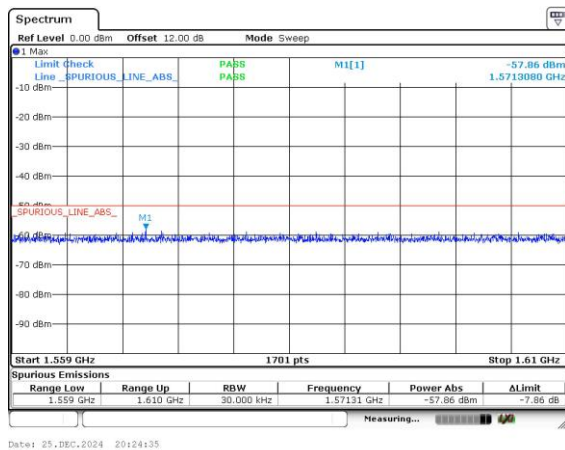
Middle Channel / 3SC9 Discrete



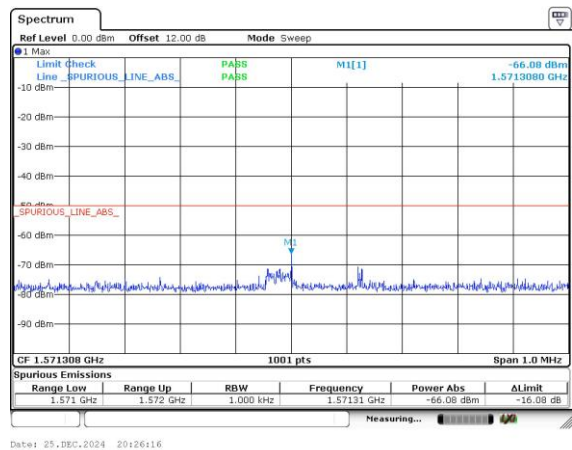
Middle Channel / 3SC9 Discrete - Zoom in Verify



Highest Channel / 3SC9 Discrete

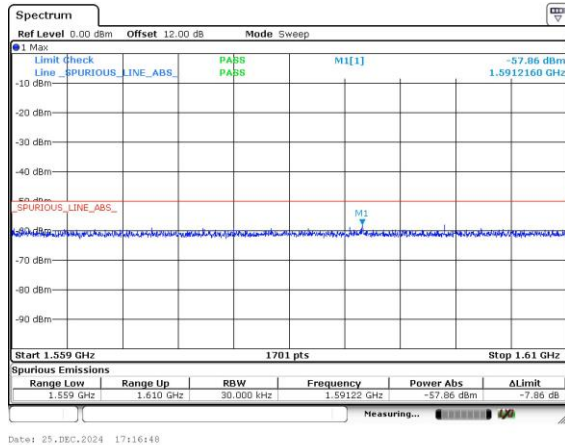


Highest Channel / 3SC9 Discrete - Zoom in Verify

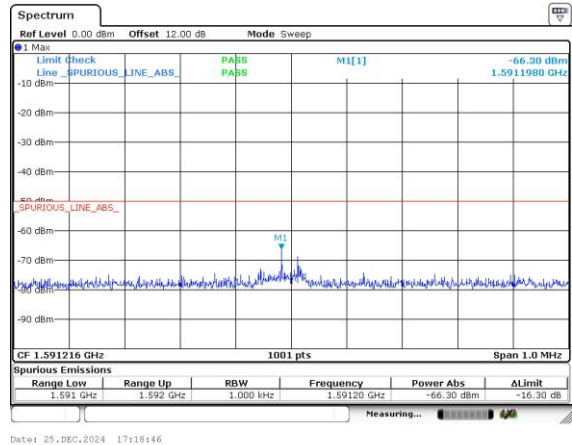




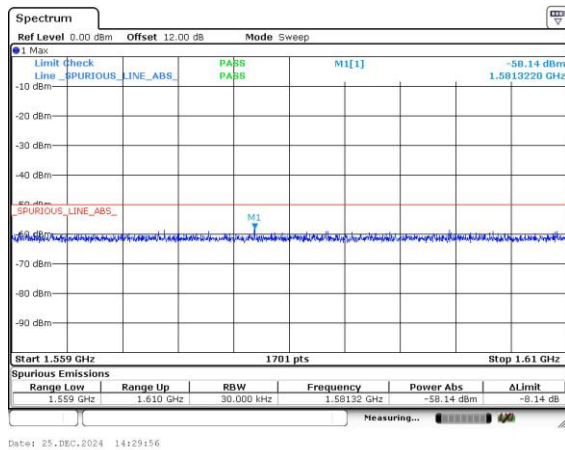
Lowest Channel / 6SC0 Discrete



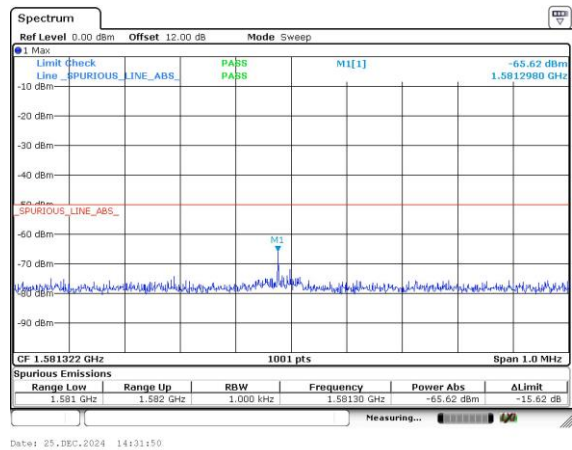
Lowest Channel / 6SC0 Discrete - Zoom in Verify



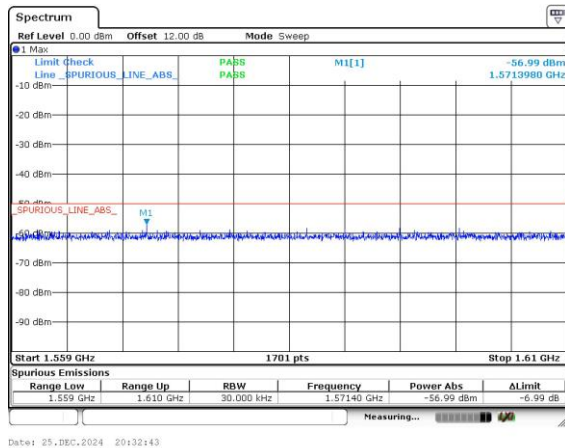
Middle Channel / 6SC0 Discrete



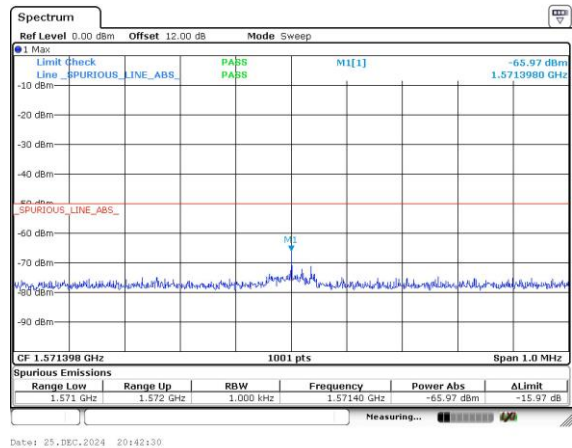
Middle Channel / 6SC0 Discrete - Zoom in Verify



Highest Channel / 6SC0 Discrete

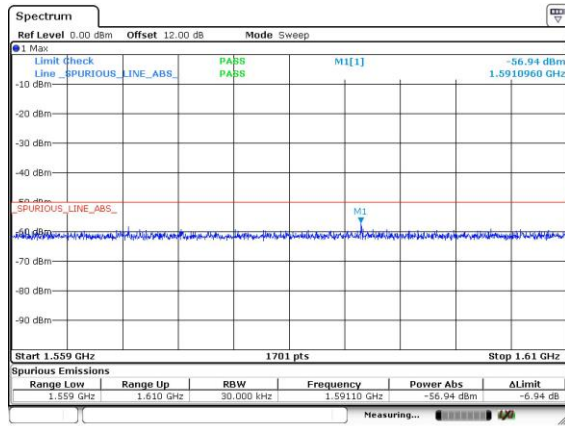


Highest Channel / 6SC0 Discrete - Zoom in Verify

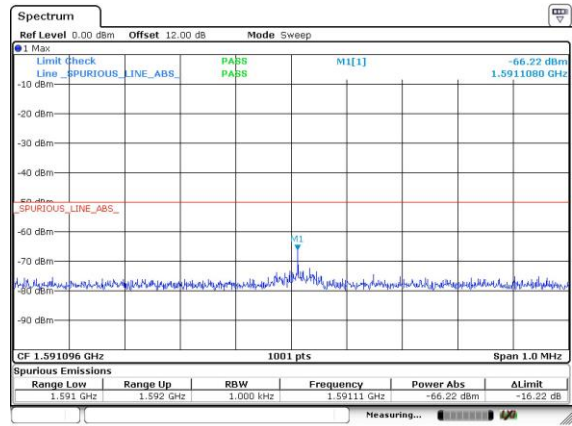




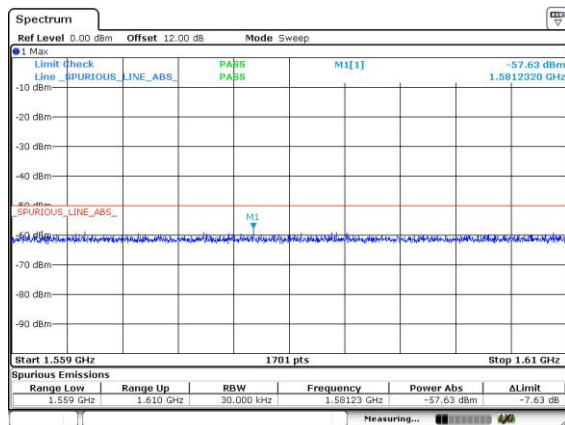
Lowest Channel / 6SC6 Discrete



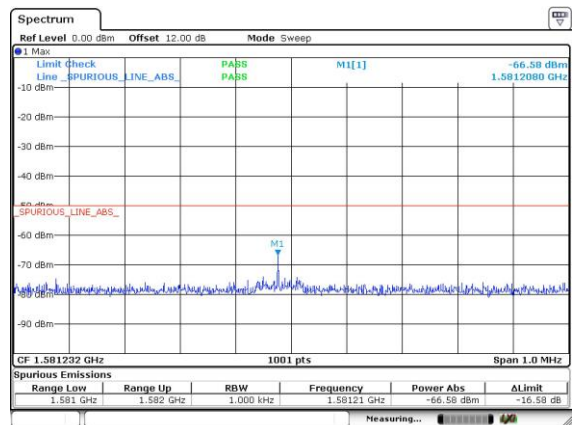
Lowest Channel / 6SC6 Discrete - Zoom in Verify



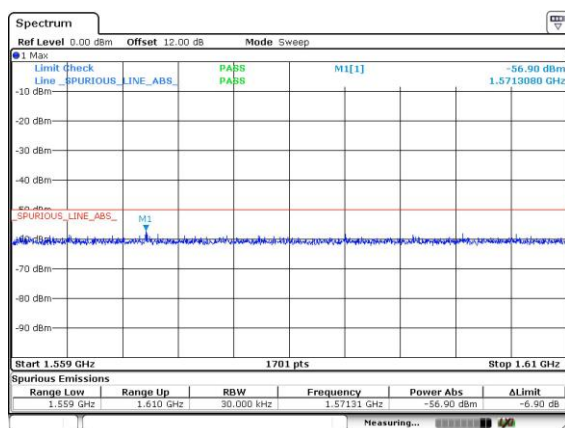
Middle Channel / 6SC6 Discrete



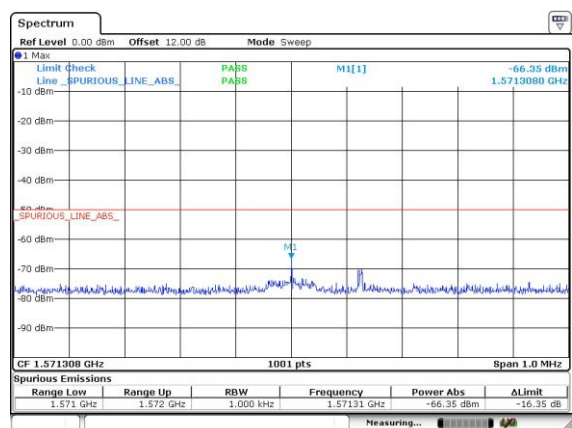
Middle Channel / 6SC6 Discrete - Zoom in Verify



Highest Channel / 6SC6 Discrete

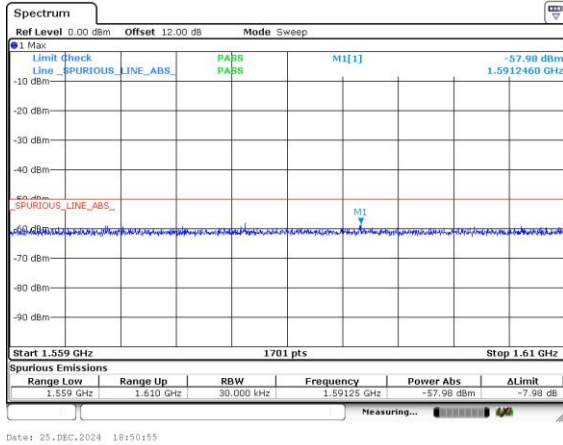


Highest Channel / 6SC6 Discrete - Zoom in Verify

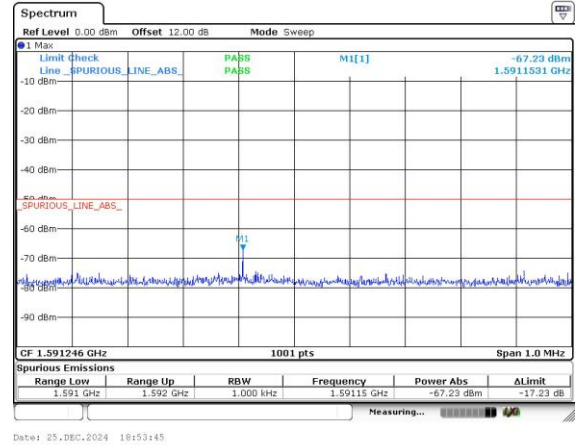




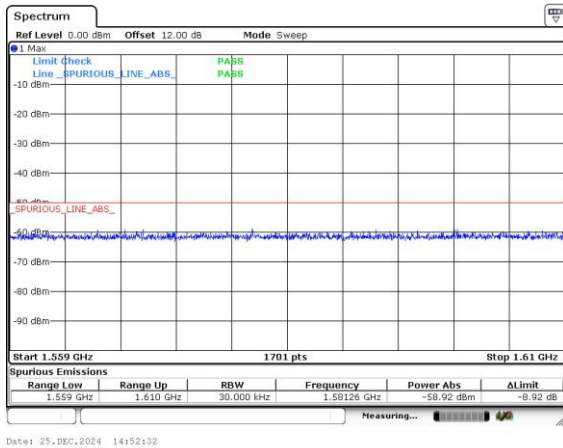
Lowest Channel / 12SC0 Discrete



Lowest Channel / 12SC0 Discrete - Zoom in Verify



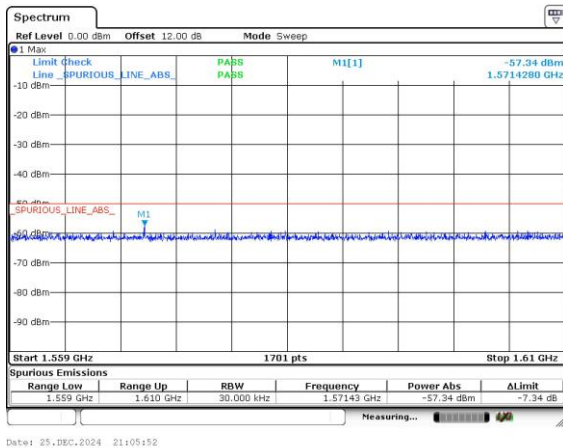
Middle Channel / 12SC0 Discrete



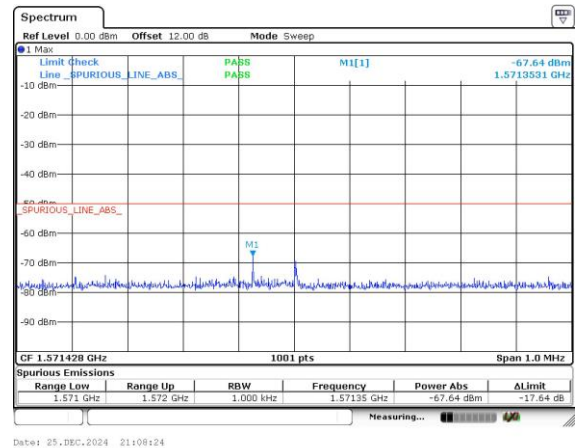
Middle Channel / 12SC0 Discrete - Zoom in Verify



Highest Channel / 12SC0 Discrete



Highest Channel / 12SC0 Discrete - Zoom in Verify



Frequency Stability

Test Conditions		Band 23(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0051	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0062	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0053	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 3.70V. ; Battery End Point (BEP) = 3.20V. ; Maximum Voltage = 4.35V.
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	23.88	23.89	8.50	32.38	32.39	PASS
	1SC47	23.82	23.87	8.50	32.32	32.37	
1643.5	1SC0	23.90	23.90	8.50	32.40	32.40	
	1SC47	23.89	23.95	8.50	32.39	32.45	
1660.4	1SC0	24.01	24.05	8.50	32.51	32.55	
	1SC47	24.06	24.07	8.50	32.56	32.57	

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	23.97	23.96	8.50	32.47	32.46	PASS
	1SC11	23.89	23.98	8.50	32.39	32.48	
	3SC0	-	23.56	8.50	-	32.06	
	3SC9	-	23.33	8.50	-	31.83	
	6SC0	-	22.73	8.50	-	31.23	
	6SC6	-	22.92	8.50	-	31.42	
	12SC0	-	21.84	8.50	-	30.34	
1643.5	1SC0	24.02	24.06	8.50	32.52	32.56	
	1SC11	24.09	24.04	8.50	32.59	32.54	
	3SC0	-	23.61	8.50	-	32.11	
	3SC9	-	23.46	8.50	-	31.96	
	6SC0	-	22.86	8.50	-	31.36	
	6SC6	-	22.89	8.50	-	31.39	
	12SC0	-	21.94	8.50	-	30.44	
1660.4	1SC0	24.20	24.19	8.50	32.70	32.69	
	1SC11	24.25	24.17	8.50	32.75	32.67	
	3SC0	-	23.69	8.50	-	32.19	
	3SC9	-	23.62	8.50	-	32.12	
	6SC0	-	22.97	8.50	-	31.47	
	6SC6	-	22.84	8.50	-	31.34	
	12SC0	-	21.92	8.50	-	30.42	



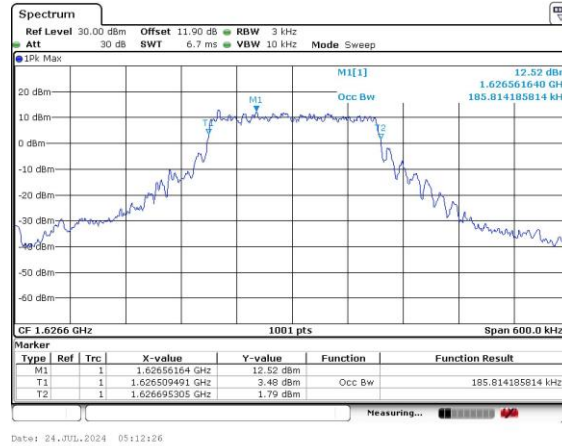
Occupied Bandwidth

Mode	Band 255 : 99%OBW(kHz)
SCS	15kHz
Mod.	QPSK
SC Size	12SC0
Lowest CH	185.814
Middle CH	187.612
Highest CH	186.414

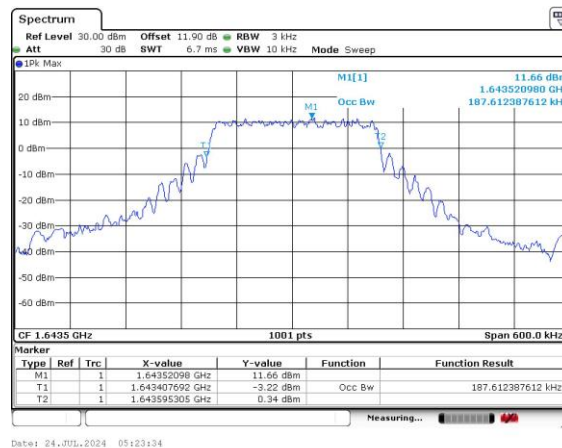


Band 255 SCS 15kHz

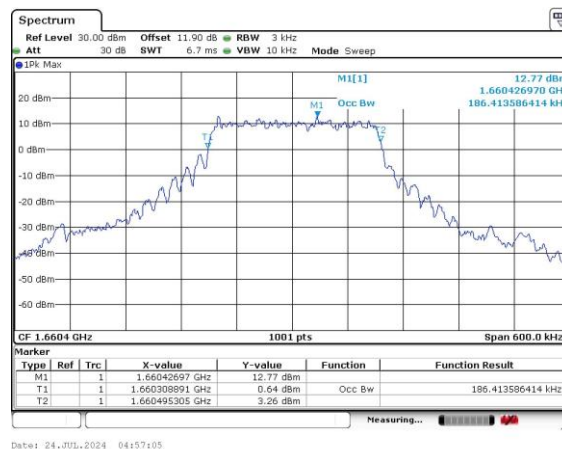
Lowest Channel / 12SC0 / QPSK



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)	Δlimit (dB)	Result
3.75	BPSK	1SC0	-13.51	-12.26	-	-2.37	-9.89	Pass
3.75	BPSK	1SC47	-9.32	-8.07	-	-3.13	-4.94	Pass
3.75	QPSK	1SC0	-13.51	-12.26	-	-2.89	-9.37	Pass
3.75	QPSK	1SC47	-9.64	-8.39	-	-3.45	-4.94	Pass
15	BPSK	1SC0	-6.44	-5.19	-	-3.00	-2.19	Pass
15	BPSK	1SC11	-5.69	-4.44	-	-3.84	-0.60	Pass
15	QPSK	1SC0	-6.75	-5.50	-	-3.57	-1.93	Pass
15	QPSK	1SC11	-5.91	-4.66	-	-3.59	-1.07	Pass
15	QPSK	3SC0	-11.53	-10.28	-	-3.00	-7.28	Pass
15	QPSK	3SC9	-6.23	-4.98	-	-3.58	-1.40	Pass
15	QPSK	6SC0	-14.50	-13.25	-	-4.41	-8.84	Pass
15	QPSK	6SC6	-9.68	-8.43	-	-4.49	-3.94	Pass
15	QPSK	12SC0	-15.38	-14.13	-	-5.07	-9.06	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)	Δlimit (dB)	Result
3.75	BPSK	1SC0	-11.97	-10.72	-	-3.66	-7.06	Pass
3.75	BPSK	1SC47	-7.95	-6.70	-	-1.61	-5.09	Pass
3.75	QPSK	1SC0	-12.4	-11.15	-	-4.23	-6.92	Pass
3.75	QPSK	1SC47	-9.85	-8.60	-	-3.42	-5.18	Pass
15	BPSK	1SC0	-5.06	-3.81	-	-2.95	-0.86	Pass
15	BPSK	1SC11	-6.04	-4.79	-	-3.99	-0.80	Pass
15	QPSK	1SC0	-5.04	-3.79	-	-2.71	-1.08	Pass
15	QPSK	1SC11	-6.17	-4.92	-	-3.73	-1.19	Pass
15	QPSK	3SC0	-7.99	-6.74	-	-3.98	-2.76	Pass
15	QPSK	3SC9	-5.80	-4.55	-	-4.09	-0.46	Pass
15	QPSK	6SC0	-10.67	-9.42	-	-4.61	-4.81	Pass
15	QPSK	6SC6	-10.03	-8.78	-	-4.83	-3.95	Pass
15	QPSK	12SC0	-15.36	-14.11	-	-5.88	-8.23	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	-11.53	-10.28	-	-3.16	-7.12	Pass
3.75	BPSK	1SC47	-14.81	-13.56	-	-5.12	-8.44	Pass
3.75	QPSK	1SC0	-11.42	-10.17	-	-3.10	-7.07	Pass
3.75	QPSK	1SC47	-14.04	-12.79	-	-4.26	-8.53	Pass
15	BPSK	1SC0	-6.05	-4.80	-	-3.92	-0.88	Pass
15	BPSK	1SC11	-6.82	-5.57	-	-3.31	-2.26	Pass
15	QPSK	1SC0	-4.88	-3.63	-	-2.72	-0.91	Pass
15	QPSK	1SC11	-7.05	-5.80	-	-3.97	-1.83	Pass
15	QPSK	3SC0	-7.89	-6.64	-	-4.07	-2.57	Pass
15	QPSK	3SC9	-11.09	-9.84	-	-3.85	-5.99	Pass
15	QPSK	6SC0	-11.46	-10.21	-	-4.69	-5.52	Pass
15	QPSK	6SC6	-13.78	-12.53	-	-4.60	-7.93	Pass
15	QPSK	12SC0	-15.87	-14.62	-	-5.71	-8.91	Pass

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

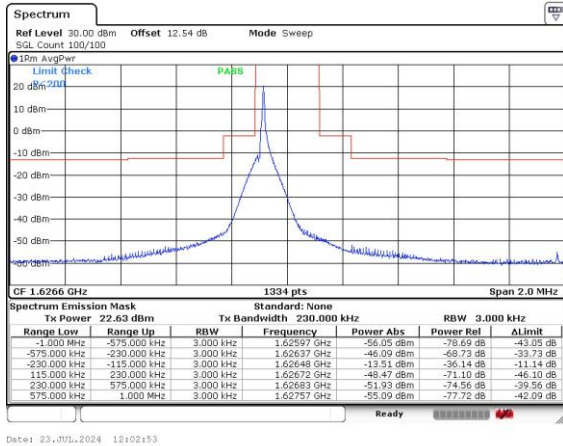
If the result of the Mask method with factor fails, then the Channel Power method will be used.



Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK

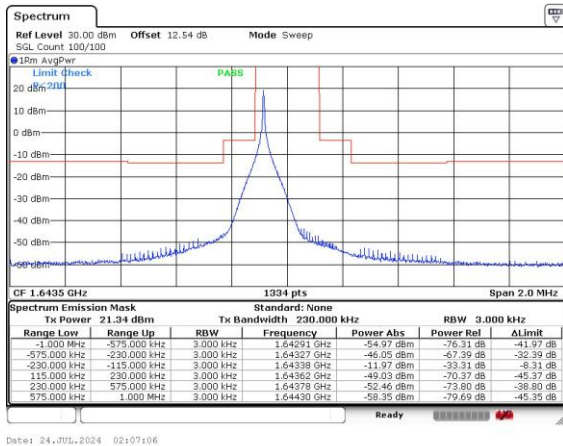
Lowest Channel / 1SC0 / BPSK - CP



N/A

Middle Channel / 1SC0 / BPSK

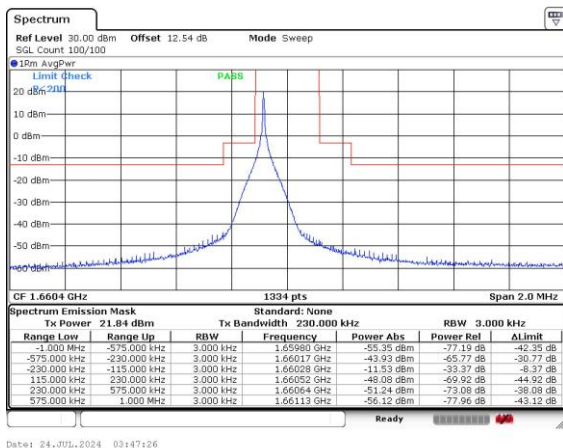
Middle Channel / 1SC0 / BPSK - CP



N/A

Highest Channel / 1SC0 / BPSK

Highest Channel / 1SC0 / BPSK - CP

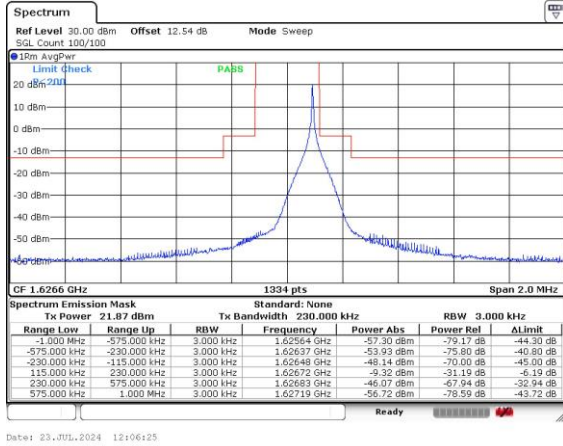


N/A



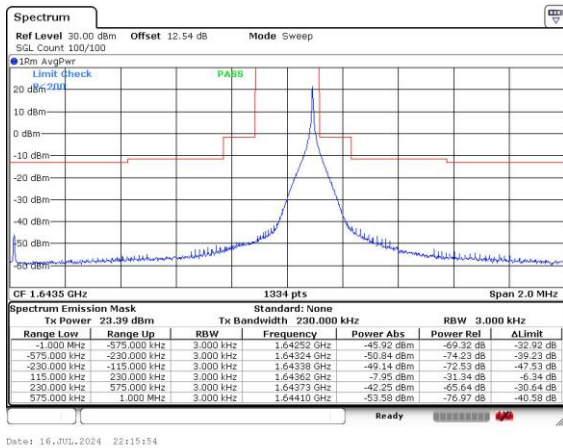
Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / BPSK



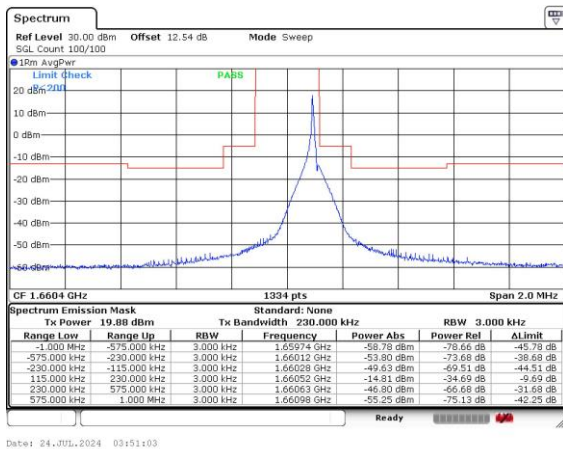
N/A

Middle Channel / 1SC47 / BPSK



N/A

Highest Channel / 1SC47 / BPSK

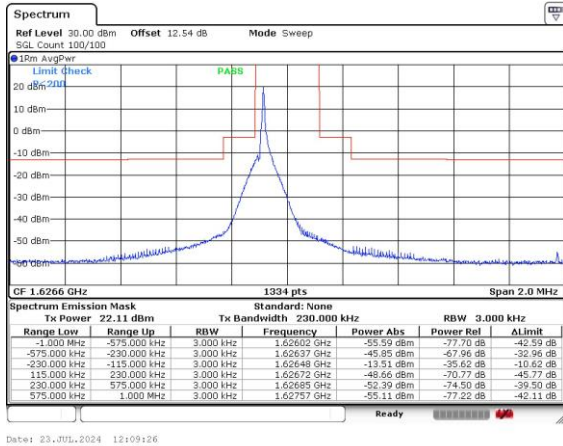


N/A



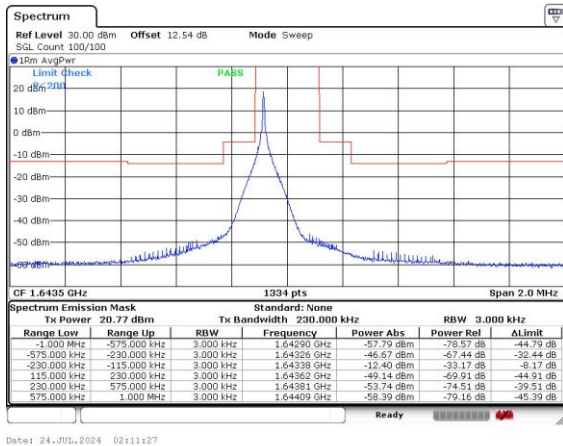
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / QPSK



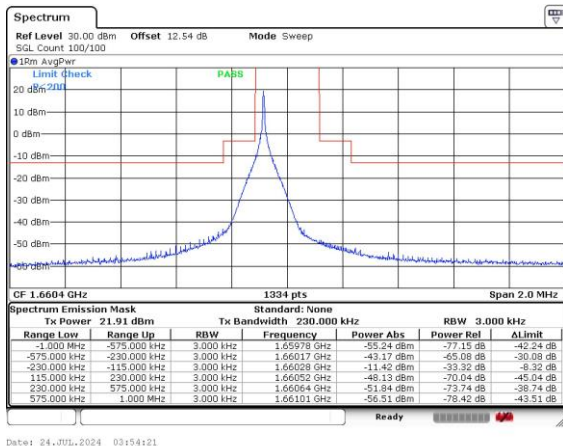
N/A

Middle Channel / 1SC0 / QPSK



N/A

Highest Channel / 1SC0 / QPSK

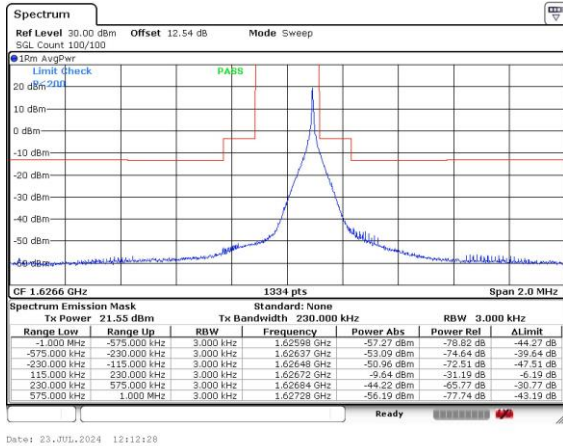


N/A



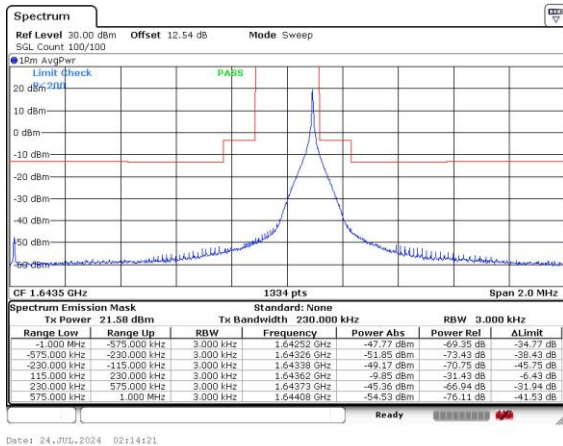
Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / QPSK



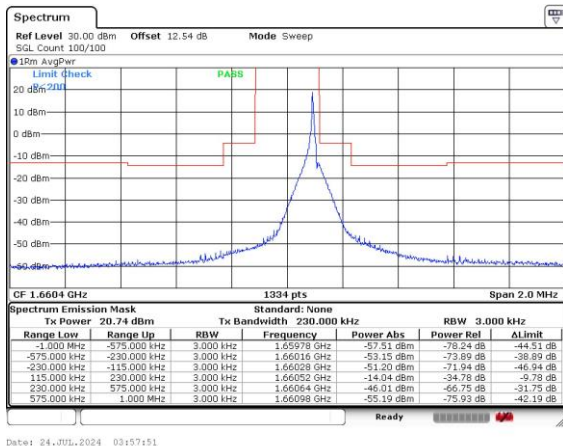
N/A

Middle Channel / 1SC47 / QPSK



N/A

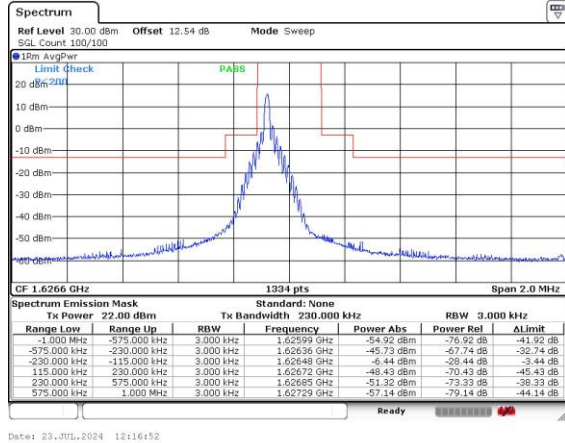
Highest Channel / 1SC47 / QPSK



N/A

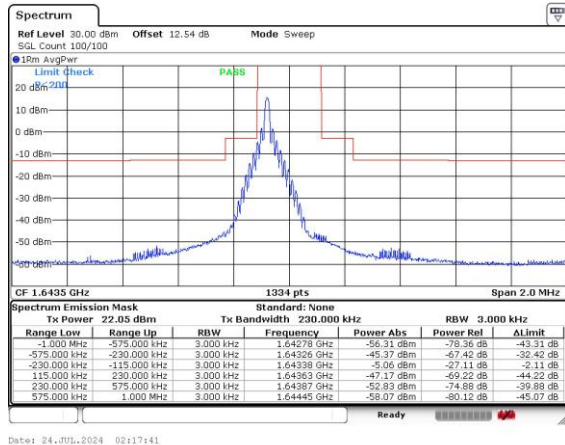
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / BPSK



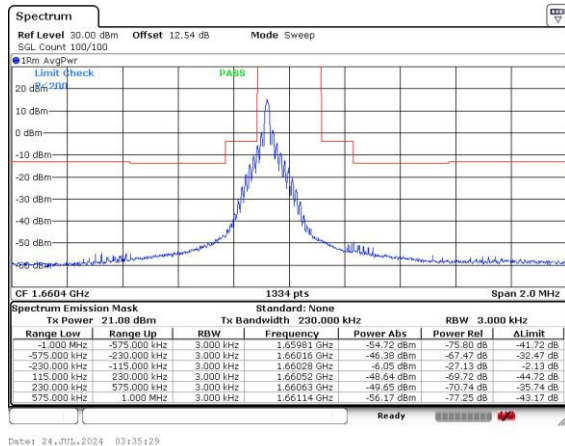
N/A

Middle Channel / 1SC0 / BPSK



N/A

Highest Channel / 1SC0 / BPSK

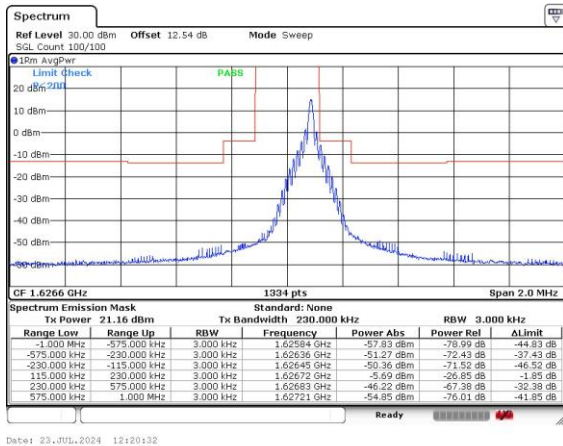


N/A



Band 255 SCS 15kHz

Lowest Channel / 1SC11 / BPSK

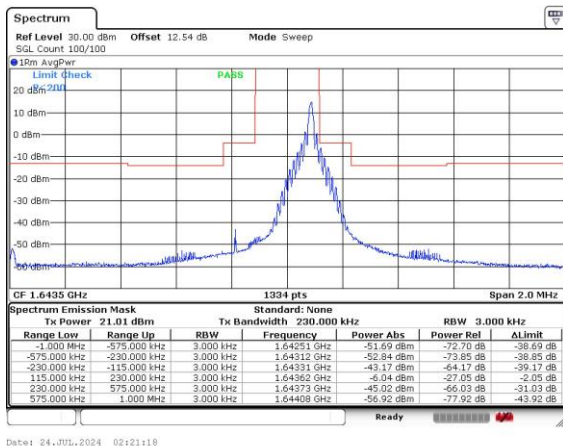


Date: 23.JUL.2024 12:20:32

Lowest Channel / 1SC11 / BPSK-CP

N/A

Middle Channel / 1SC11 / BPSK

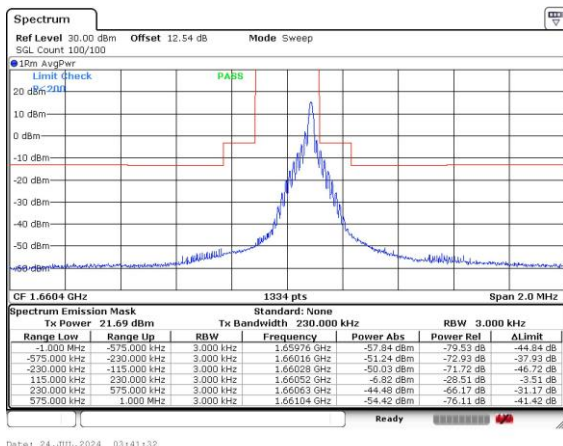


Date: 24.JUL.2024 02:21:10

Middle Channel / 1SC11 / BPSK – CP

N/A

Highest Channel / 1SC11 / BPSK



Date: 24.JUL.2024 03:41:32

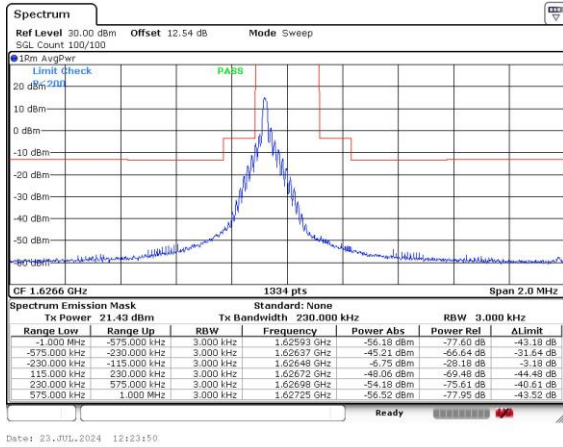
Highest Channel / 1SC11 / BPSK-CP

N/A



Band 255 SCS 15kHz

Lowest Channel / 1SC0 / QPSK

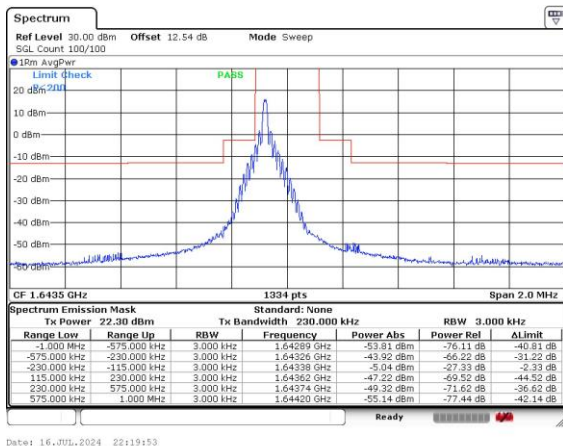


Date: 23.JUL.2024 12:23:50

Lowest Channel / 1SC0 / QPSK - CP

N/A

Middle Channel / 1SC0 / QPSK

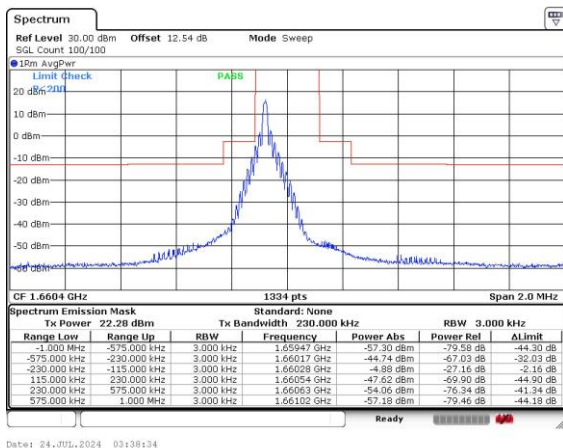


Date: 16.JUL.2024 22:19:53

Middle Channel / 1SC0 / QPSK - CP

N/A

Highest Channel / 1SC0 / QPSK



Date: 24.JUL.2024 03:38:34

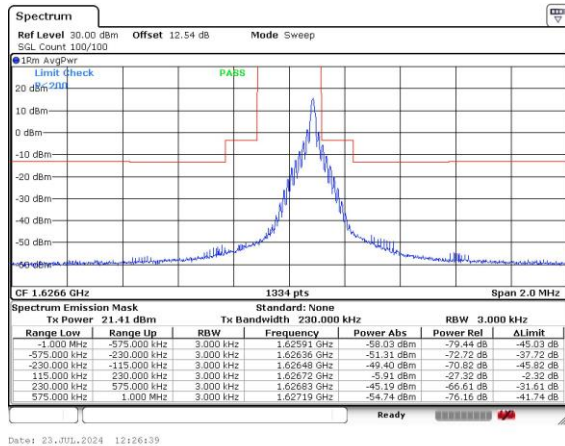
Highest Channel / 1SC0 / QPSK - CP

N/A



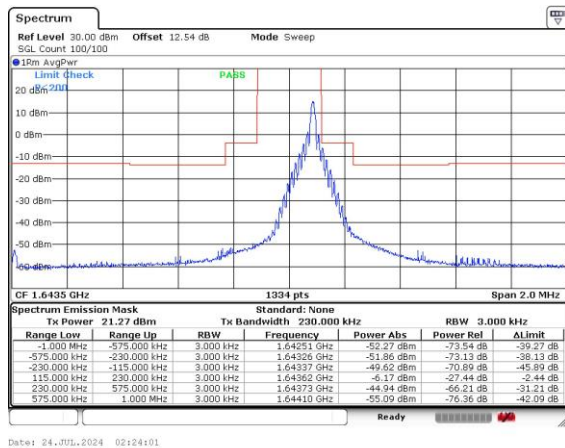
Band 255 SCS 15kHz

Lowest Channel / 1SC11 / QPSK



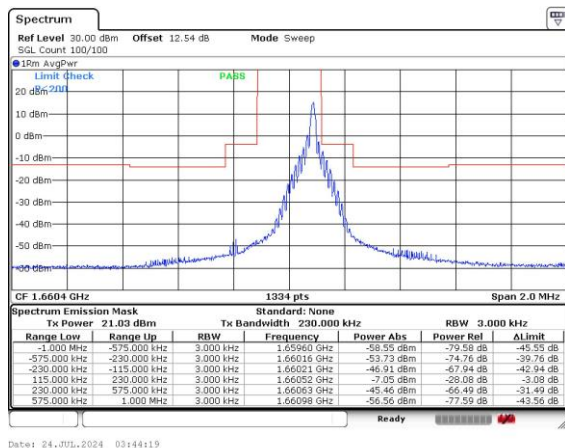
N/A

Middle Channel / 1SC11 / QPSK



N/A

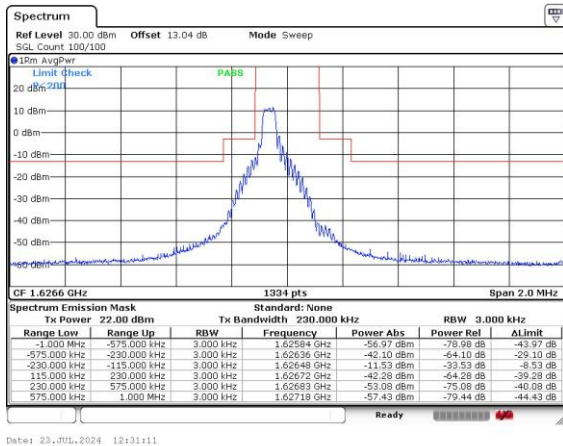
Highest Channel / 1SC11 / QPSK



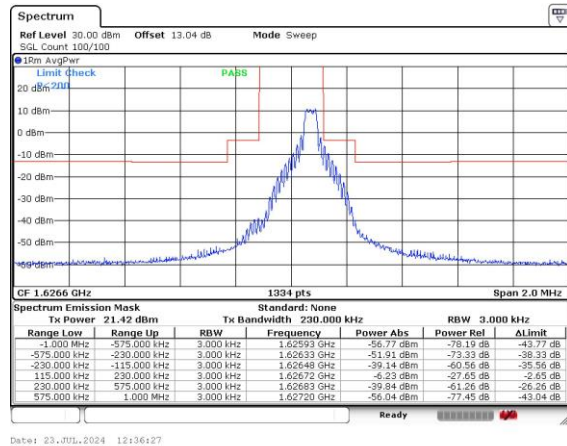
N/A

Band 255 SCS 15kHz

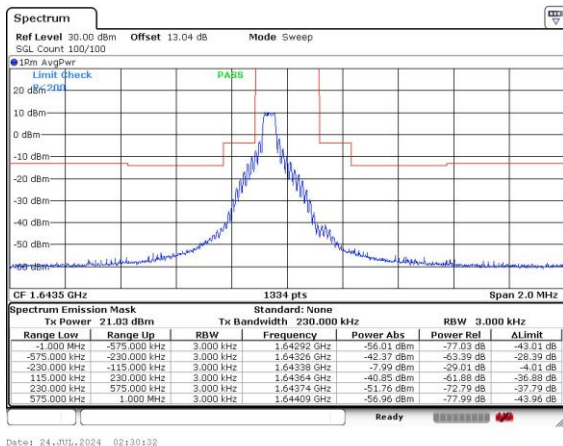
Lowest Channel / 3SC0 / QPSK



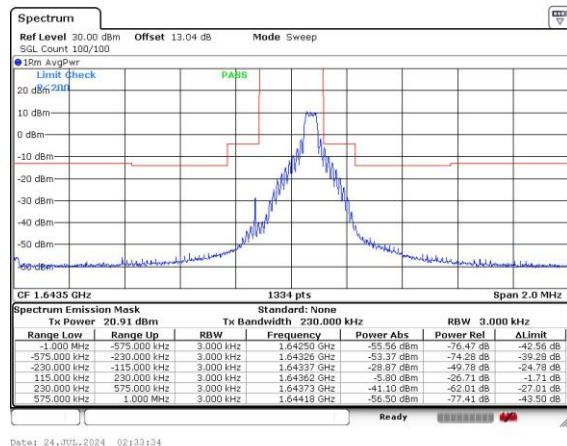
Lowest Channel / 3SC9 / QPSK



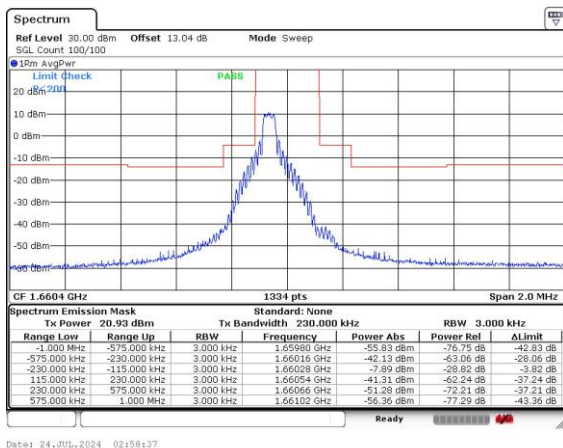
Middle Channel / 3SC0 / QPSK



Middle Channel / 3SC9 / QPSK



Highest Channel / 3SC0 / QPSK



Highest Channel / 3SC9 / QPSK

