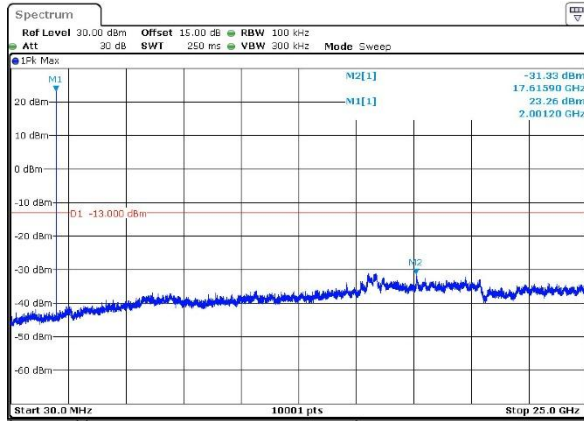




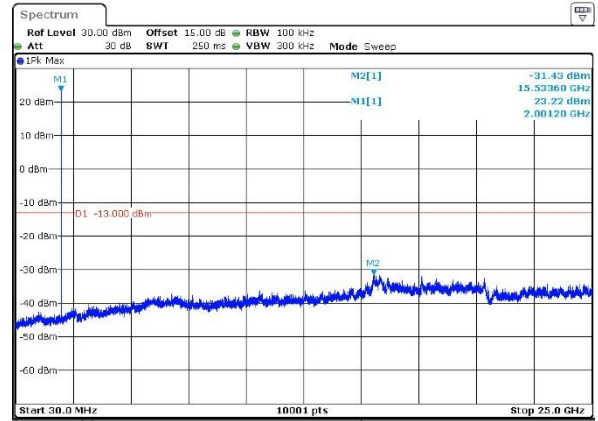
Band 23 SCS 15kHz

Lowest Channel / 1SC0 / BPSK



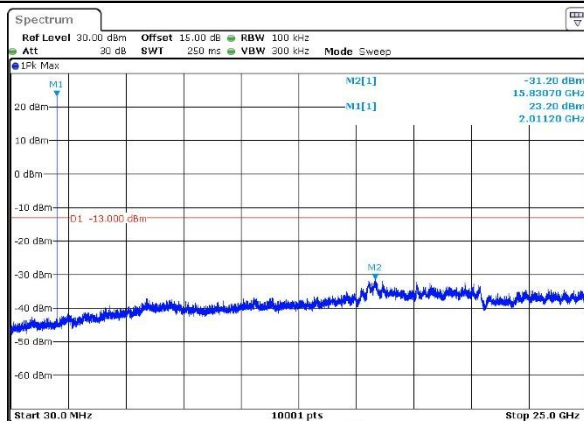
Data: 10-768-2026-10:23:21

Lowest Channel / 1SC0 / QPSK



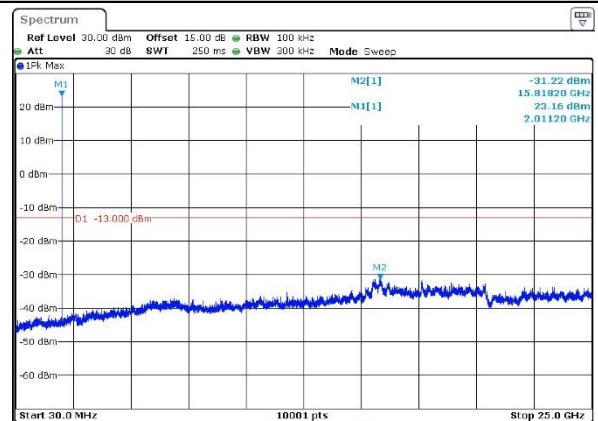
Data: 10-768-2026-10:31:49

Middle Channel / 1SC0 / BPSK



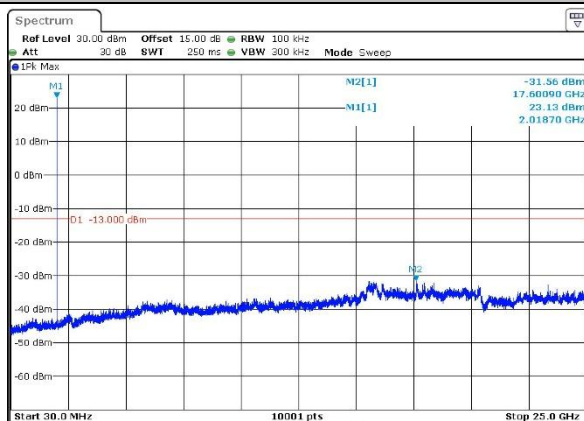
Data: 10-768-2026-10:29:27

Middle Channel / 1SC0 / QPSK



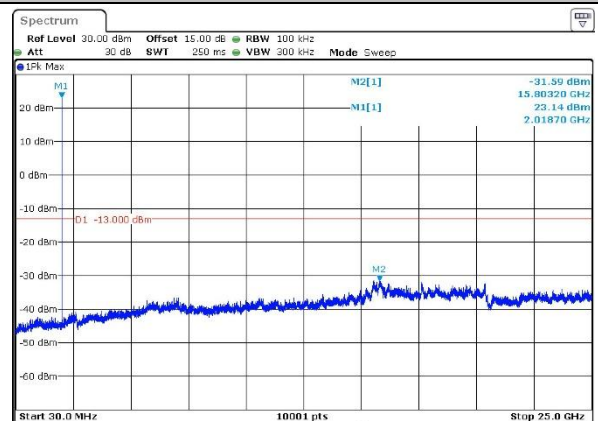
Data: 10-768-2026-10:29:03

Highest Channel / 1SC0 / BPSK

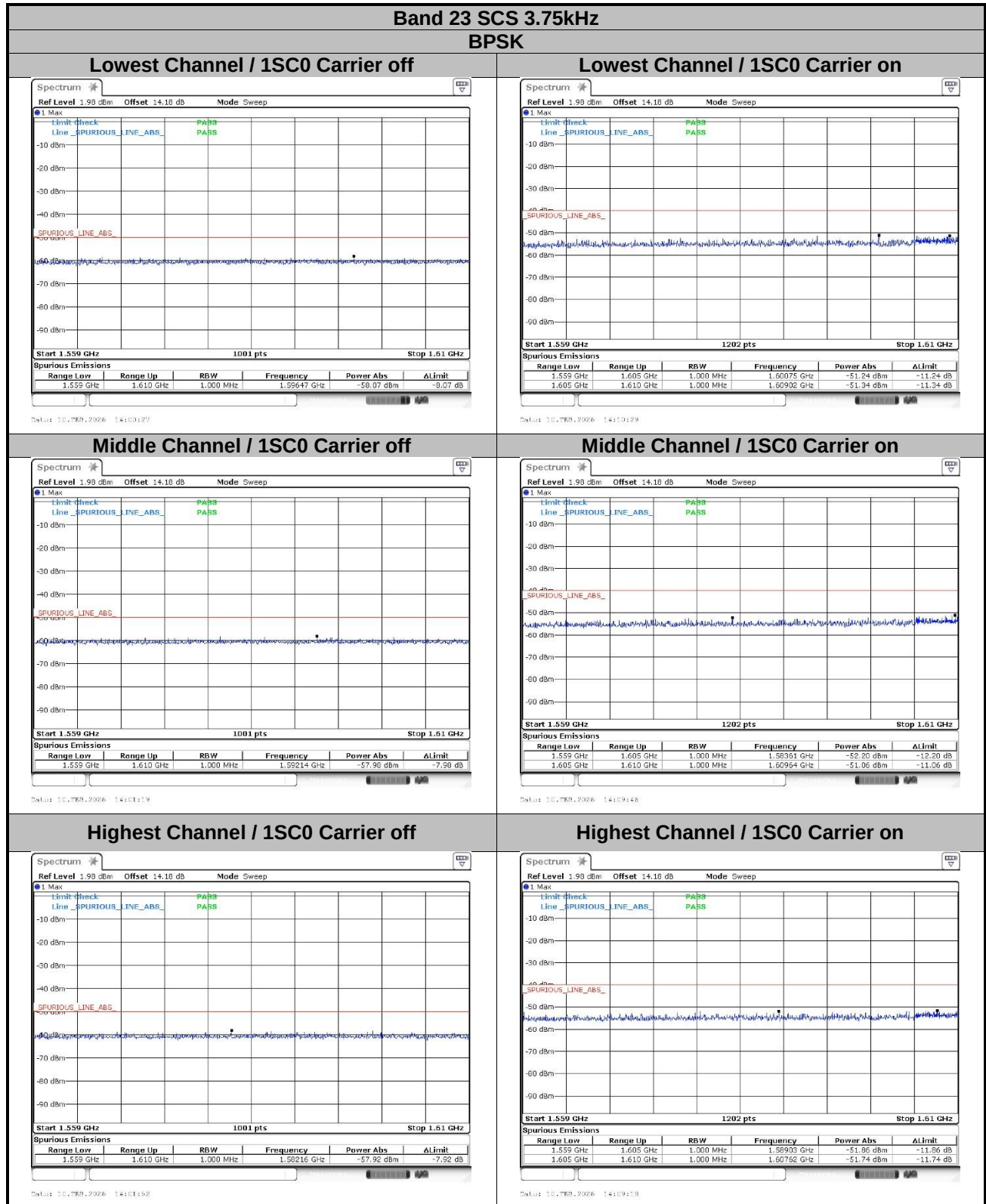


Data: 10-768-2026-10:38:33

Highest Channel / 1SC0 / QPSK



Data: 10-768-2026-10:34:21

**Emission limits for protection of aeronautical service**

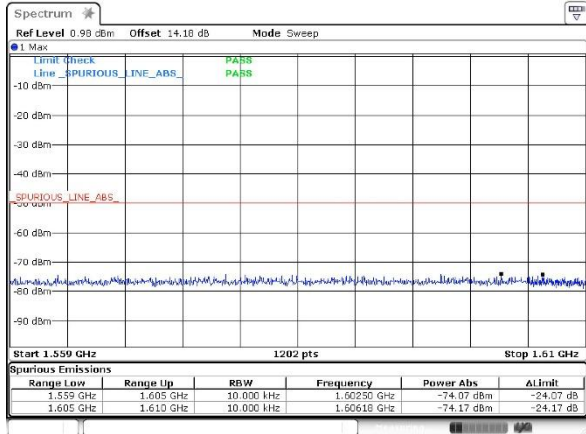


Band 23 SCS 3.75kHz

BPSK

Lowest Channel / 1SC0 Discrete

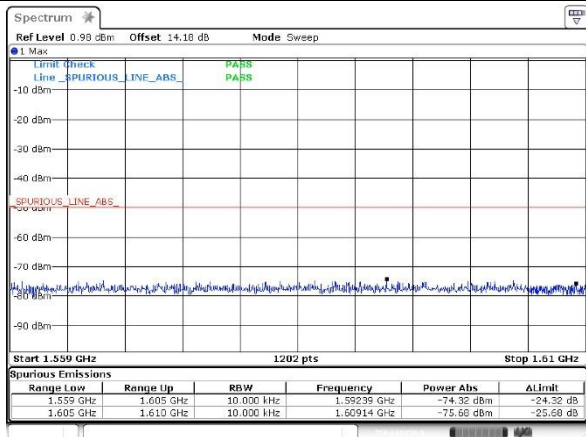
N/A



N/A

Middle Channel / 1SC0 Discrete

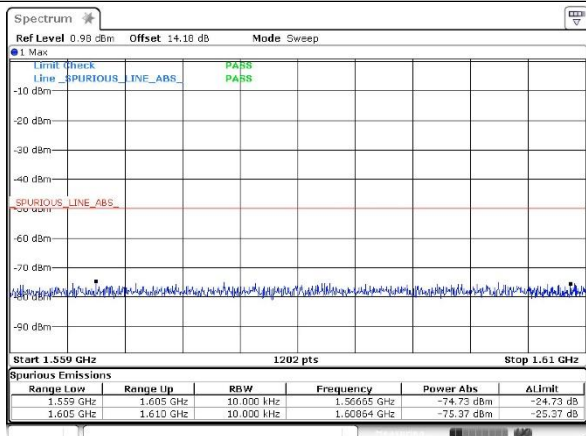
N/A



N/A

Highest Channel / 1SC0 Discrete

N/A



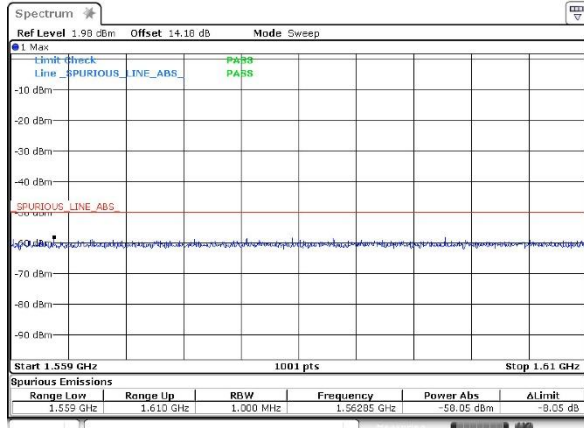
N/A



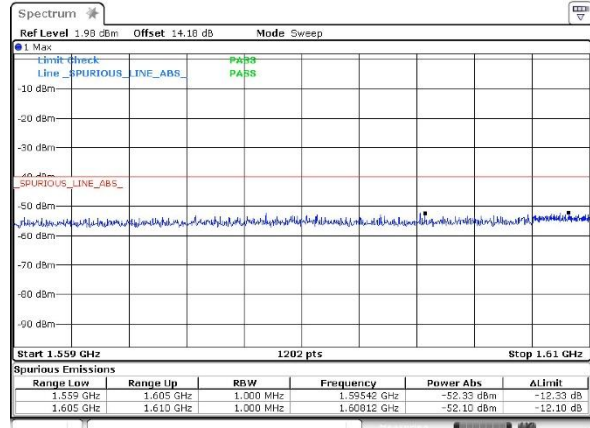
Band 23 SCS 3.75kHz

QPSK

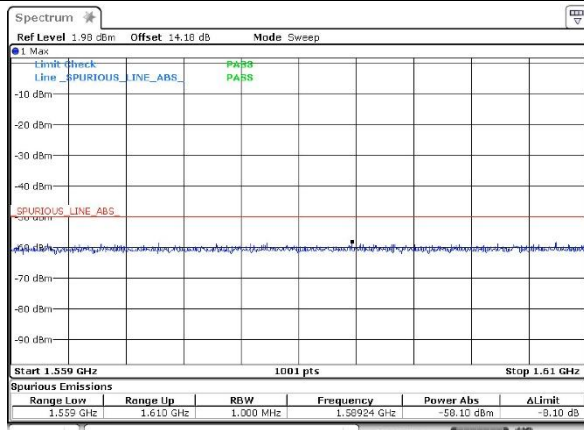
Lowest Channel / 1SC0 Carrier off



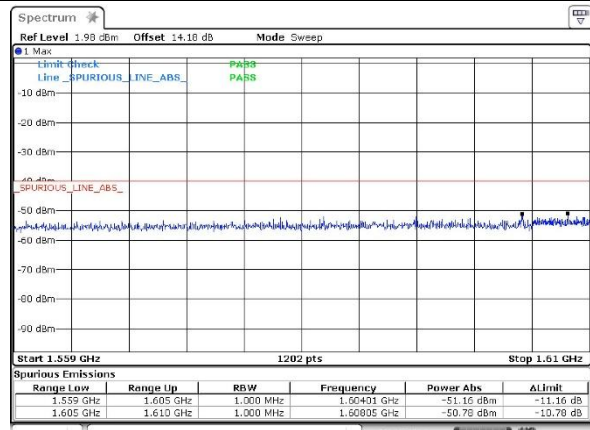
Lowest Channel / 1SC0 Carrier on



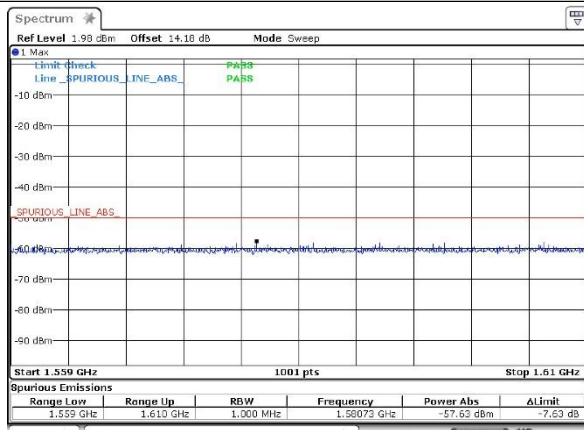
Middle Channel / 1SC0 Carrier off



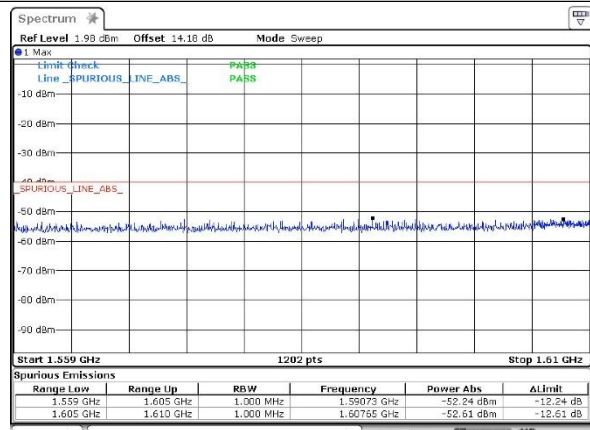
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



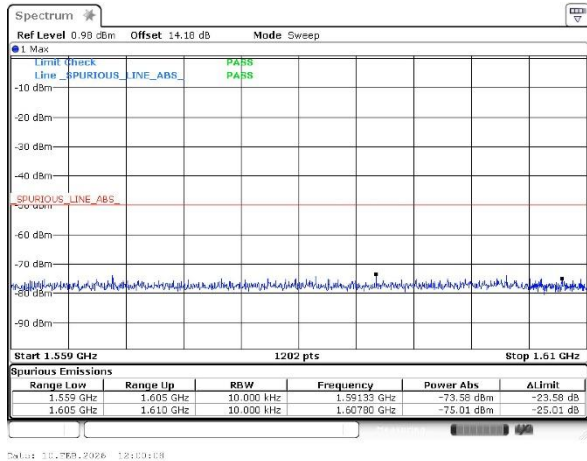


Band 23 SCS 3.75kHz

QPSK

Lowest Channel / 1SC0 Discrete

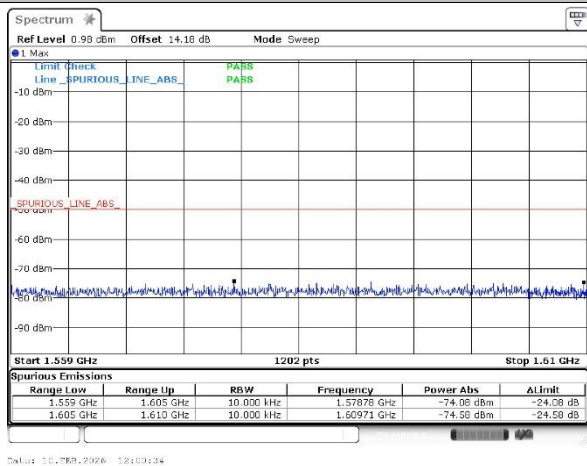
N/A



N/A

Middle Channel / 1SC0 Discrete

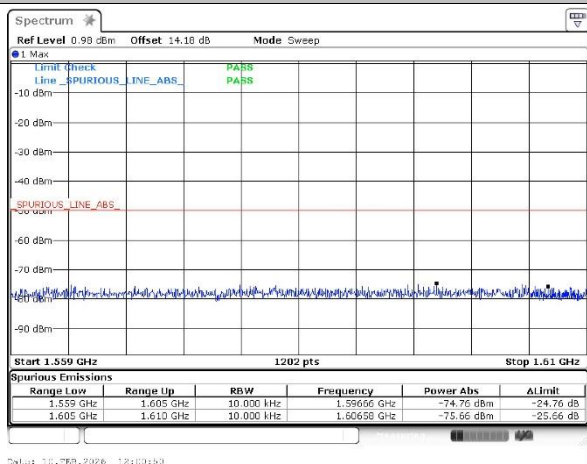
N/A



N/A

Highest Channel / 1SC0 Discrete

N/A



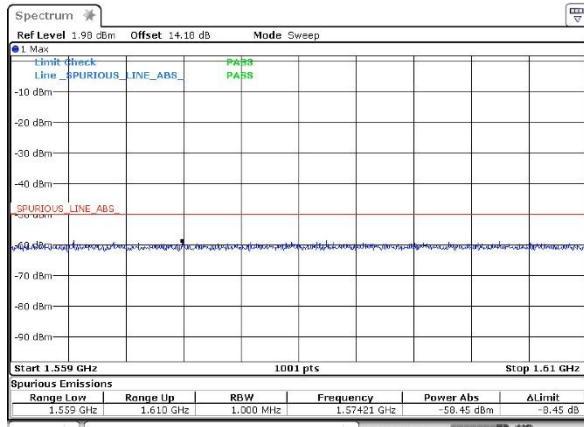
N/A



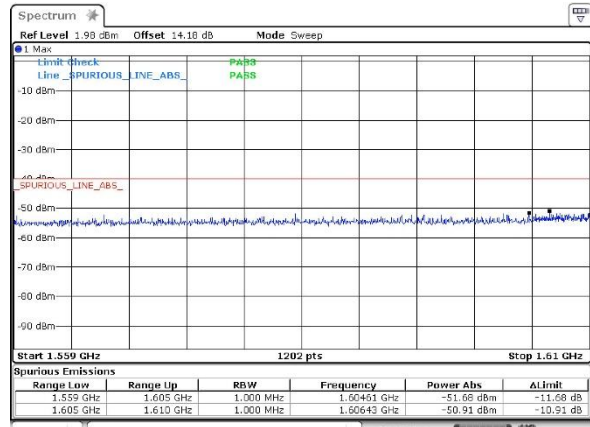
Band 23 SCS 15kHz

BPSK

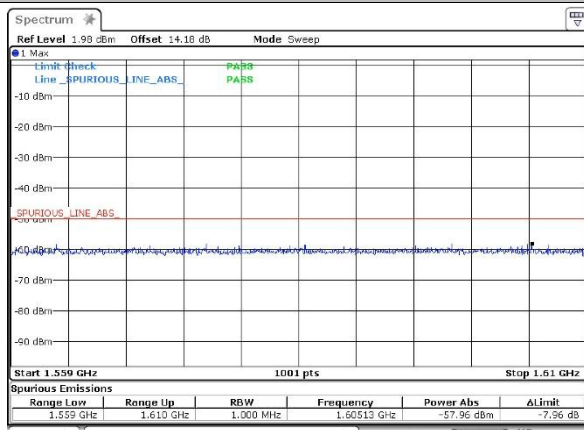
Lowest Channel / 1SC0 Carrier off



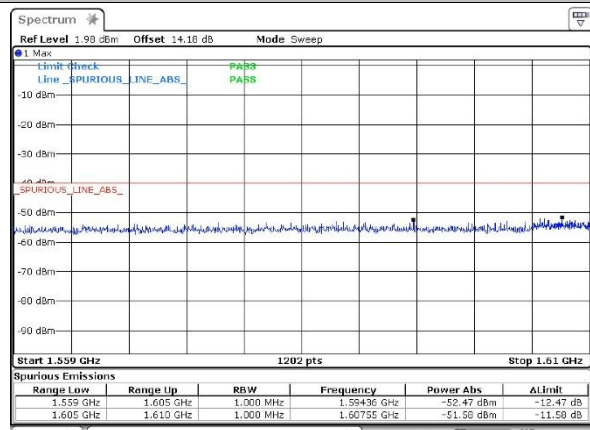
Lowest Channel / 1SC0 Carrier on



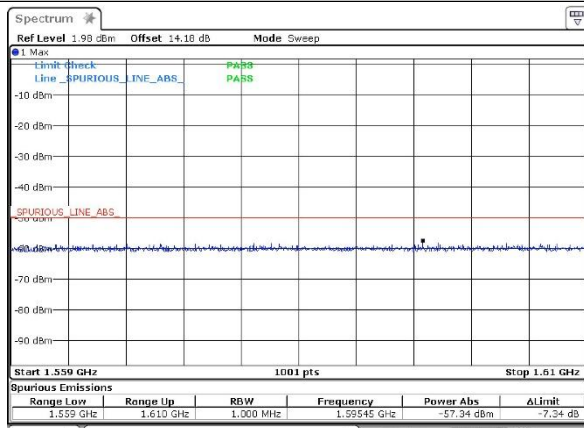
Middle Channel / 1SC0 Carrier off



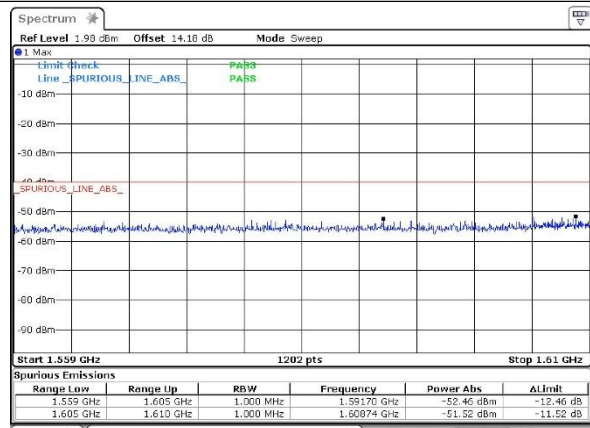
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



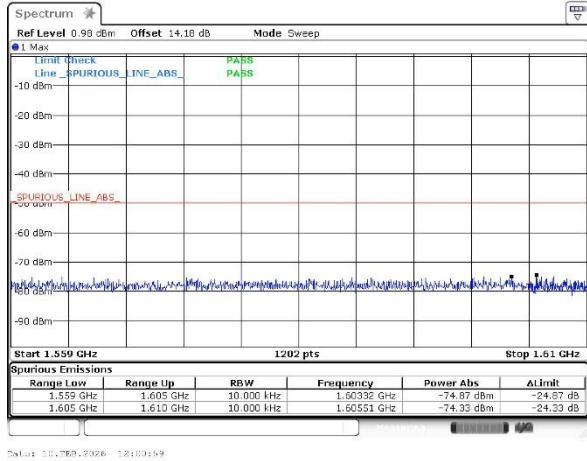


Band 23 SCS 15kHz

BPSK

Lowest Channel / 1SC0 Discrete

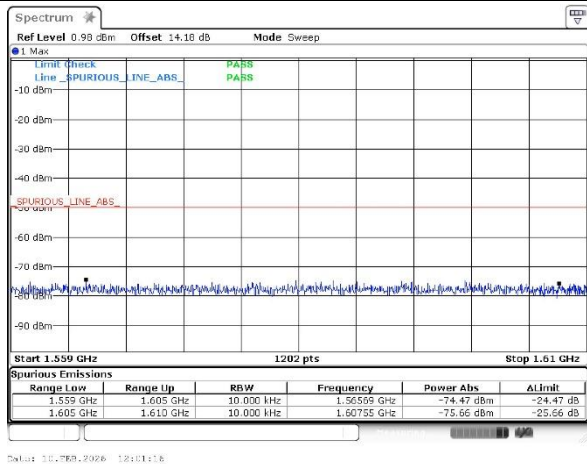
N/A



N/A

Middle Channel / 1SC0 Discrete

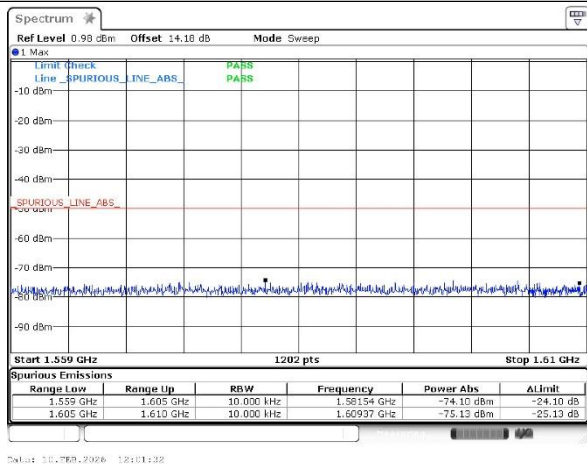
N/A



N/A

Highest Channel / 1SC0 Discrete

N/A



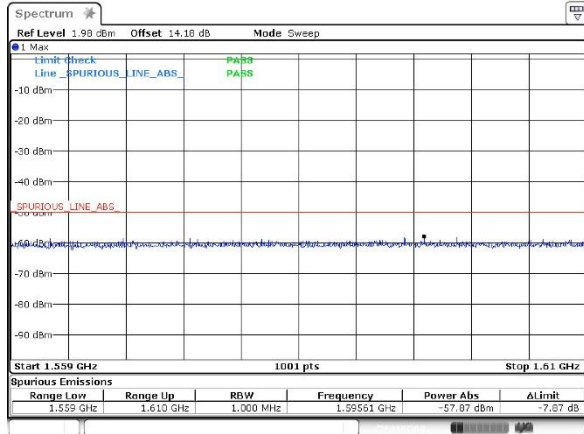
N/A



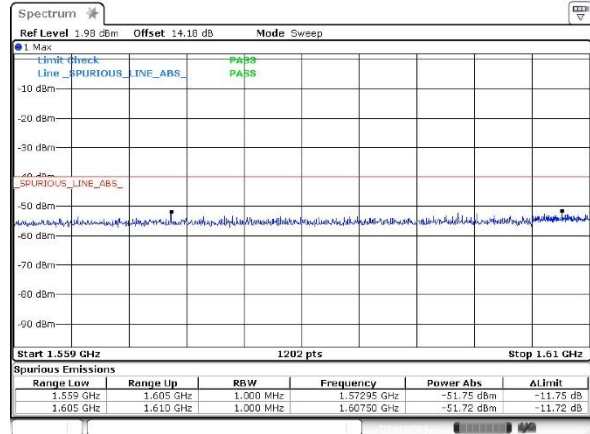
Band 23 SCS 15kHz

QPSK

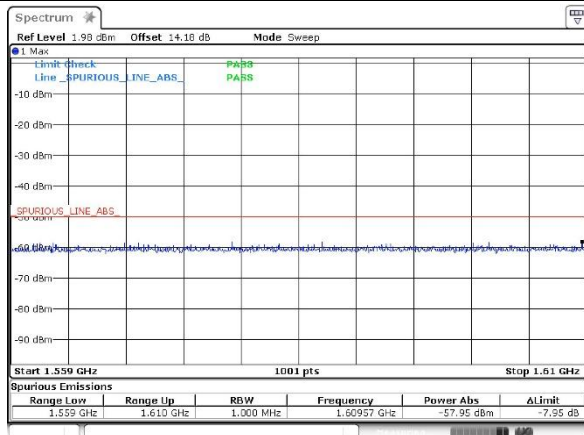
Lowest Channel / 1SC0 Carrier off



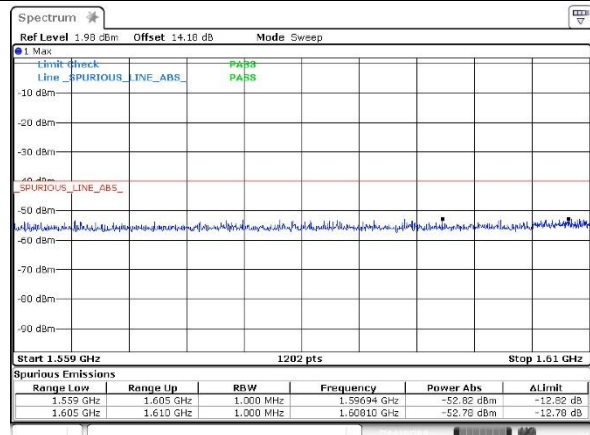
Lowest Channel / 1SC0 Carrier on



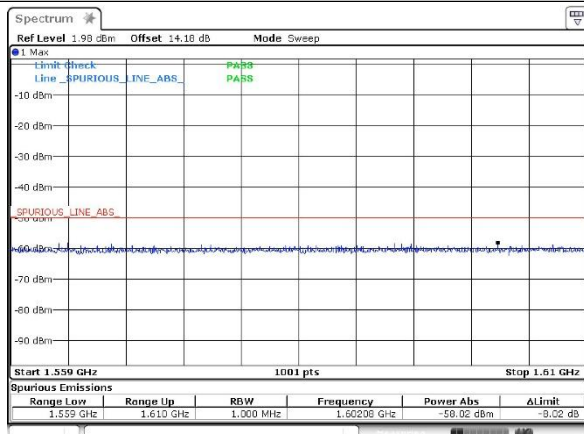
Middle Channel / 1SC0 Carrier off



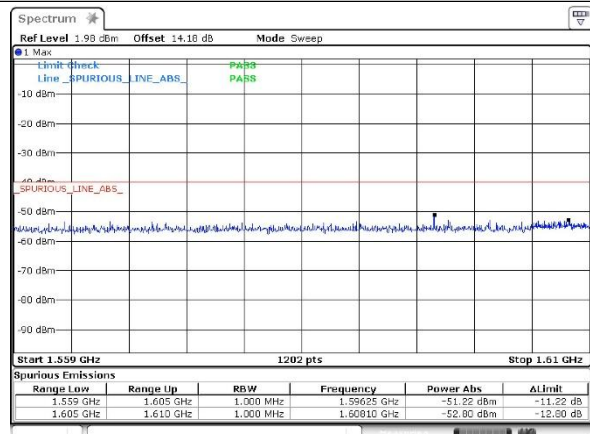
Middle Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Carrier off



Highest Channel / 1SC0 Carrier on



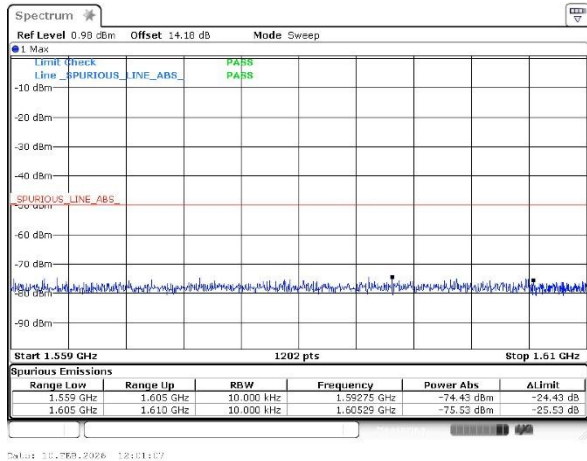


Band 23 SCS 15kHz

QPSK

Lowest Channel / 1SC0 Discrete

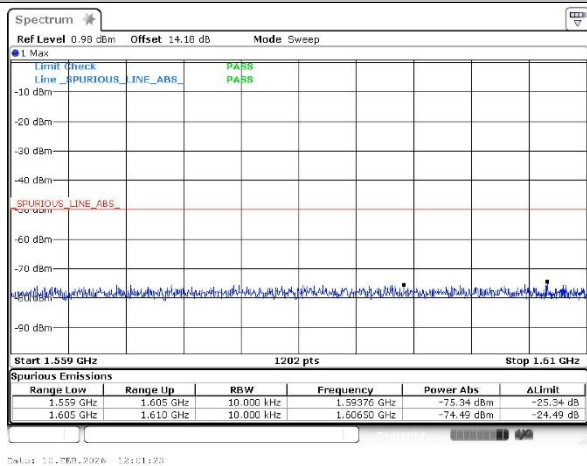
N/A



N/A

Middle Channel / 1SC0 Discrete

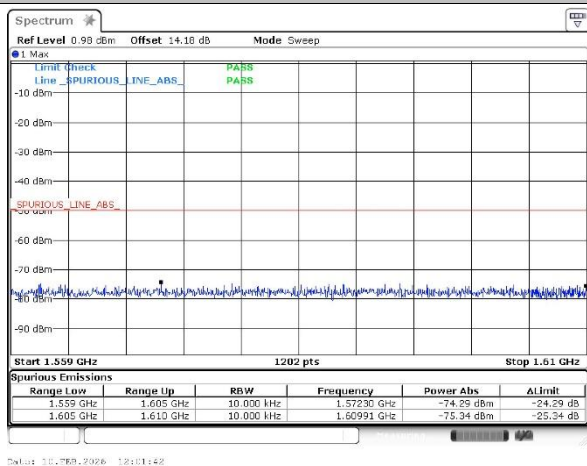
N/A



N/A

Highest Channel / 1SC0 Discrete

N/A



N/A

Frequency Stability

Test Conditions		Band 23(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15KHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.2 V. ; Maximum Voltage =4.2 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 Channel	Test Frequency (MHz)	SC Size	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP Power (dBm)		Result
			BPSK	QPSK		BPSK	QPSK	
CH261505	1626.6	1SC0	23.06	23.05	-1.83	21.23	21.22	PASS
		1SC47	22.95	22.98	-1.83	21.12	21.15	
CH261674	1643.5	1SC0	23.14	23.13	-1.83	21.31	21.30	
		1SC47	23.06	23.07	-1.83	21.23	21.24	
CH261843	1660.4	1SC0	23.08	23.07	-1.83	21.25	21.24	
		1SC47	22.99	23.01	-1.83	21.16	21.18	



Band 255 SCS 15kHz								Limit
Test Channel	Test Frequency (MHz)	SC Size	Conducted Power (dBm)		Antenna Gain (dBi)	EIRP Power (dBm)		Result
			BPSK	QPSK		BPSK	QPSK	
CH261505	1626.6	1SC0	23.01	23.04	-1.83	21.18	21.21	PASS
		1SC11	22.98	22.97	-1.83	21.15	21.14	
		3SC0	-	22.76	-1.83	-	20.93	
		3SC9	-	22.82	-1.83	-	20.99	
		6SC0	-	21.95	-1.83	-	20.12	
		6SC6	-	21.96	-1.83	-	20.13	
		12SC0	-	20.91	-1.83	-	19.08	
CH261674	1643.5	1SC0	23.09	23.10	-1.83	21.26	21.27	
		1SC11	23.08	23.07	-1.83	21.25	21.24	
		3SC0	-	22.82	-1.83	-	20.99	
		3SC9	-	22.91	-1.83	-	21.08	
		6SC0	-	22.02	-1.83	-	20.19	
		6SC6	-	22.06	-1.83	-	20.23	
		12SC0	-	20.97	-1.83	-	19.14	
CH261843	1660.4	1SC0	23.06	23.05	-1.83	21.23	21.22	
		1SC11	23.02	23.00	-1.83	21.19	21.17	
		3SC0	-	22.80	-1.83	-	20.97	
		3SC9	-	22.84	-1.83	-	21.01	
		6SC0	-	21.94	-1.83	-	20.11	
		6SC6	-	22.04	-1.83	-	20.21	
		12SC0	-	20.95	-1.83	-	19.12	



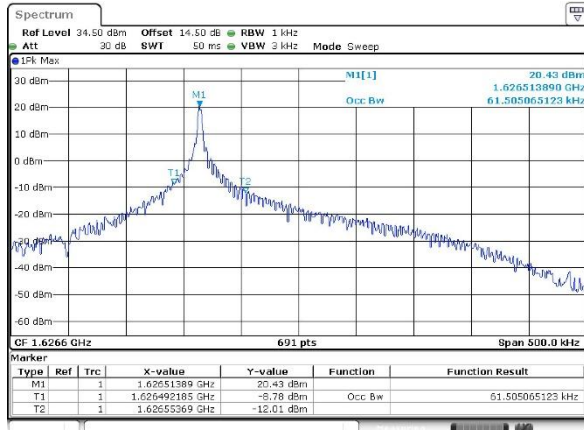
Occupied Bandwidth

Mode	Band 255 : 99%OBW(kHz)						
SCS	3.75kHz		15kHz				
Mod.	BPSK	QPSK	BPSK	QPSK	QPSK	QPSK	QPSK
SC Size	1SC	1SC	1SC	1SC	3SC	6SC	12SC
Lowest CH	64.51	52.82	141.10	149.06	128.08	154.85	187.41
Middle CH	57.89	57.89	140.38	143.99	129.52	163.53	188.86
Highest CH	58.61	64.40	144.72	134.59	128.80	155.57	185.96

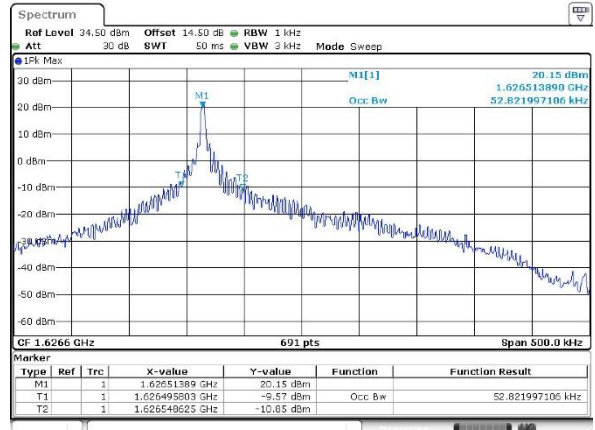


Band 255 SCS 3.75kHz

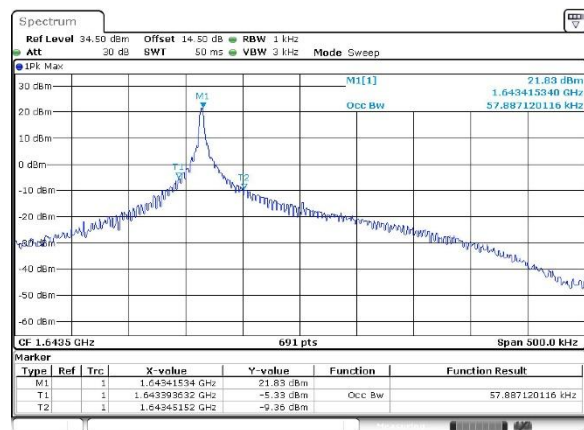
Lowest Channel / 1SC / BPSK



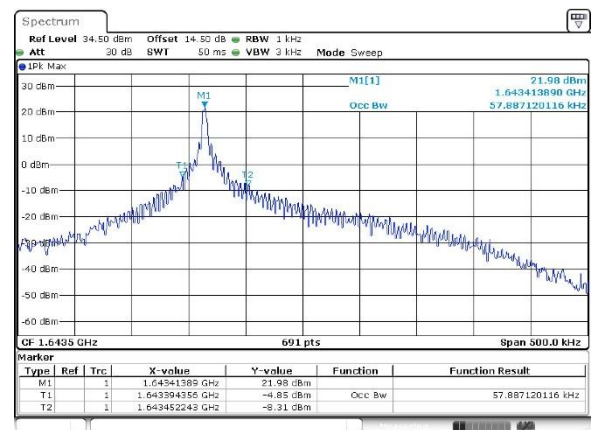
Lowest Channel / 1SC / QPSK



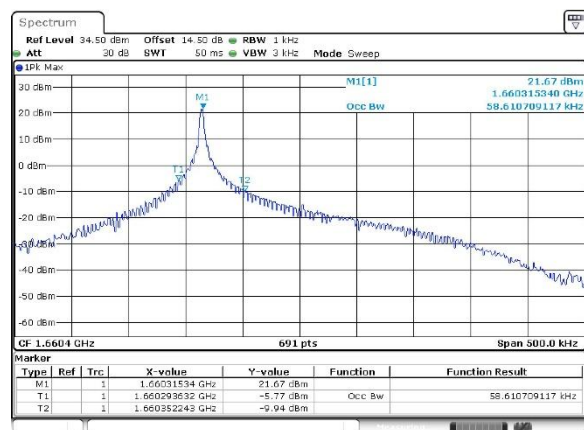
Middle Channel / 1SC / BPSK



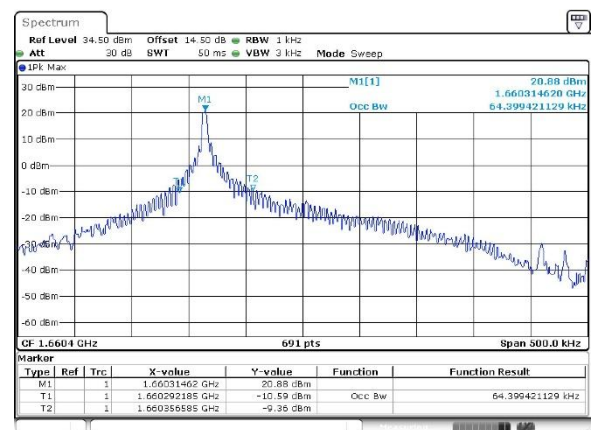
Middle Channel / 1SC / QPSK



Highest Channel / 1SC / BPSK



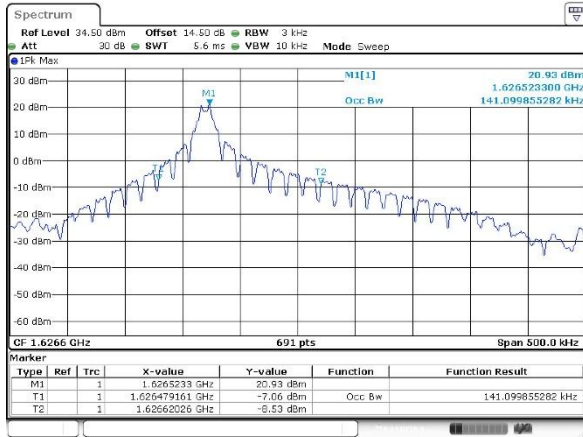
Highest Channel / 1SC / QPSK



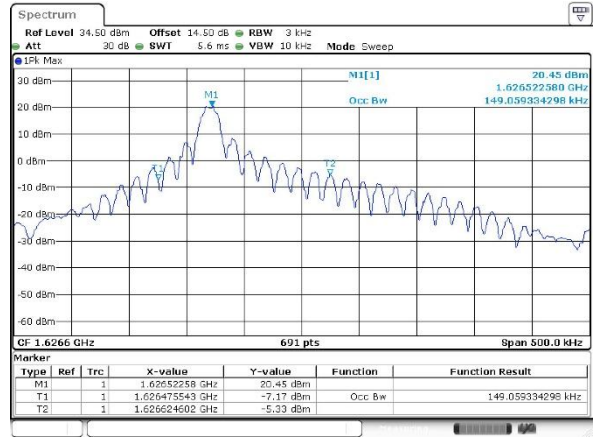


Band 255 SCS 15kHz

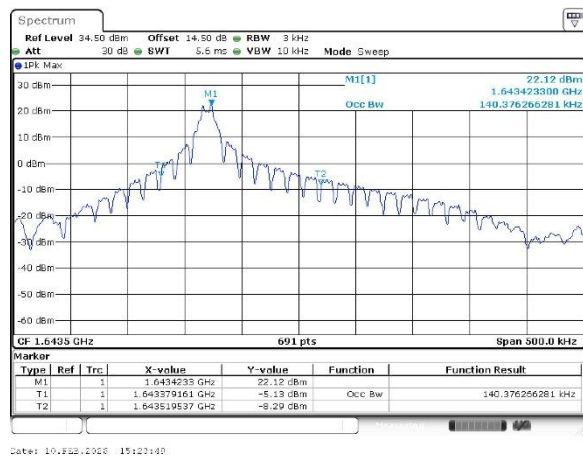
Lowest Channel / 1SC / BPSK



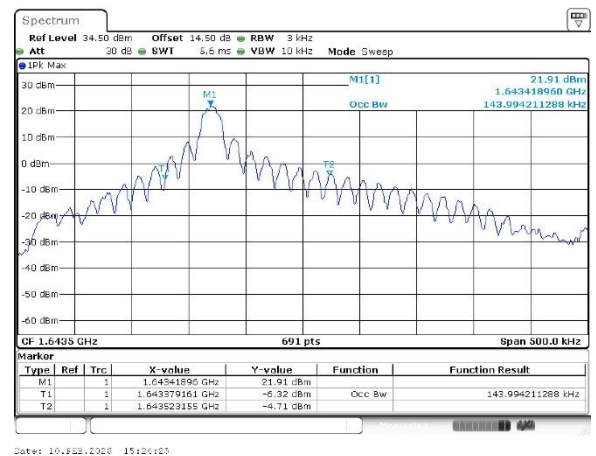
Lowest Channel / 1SC / QPSK



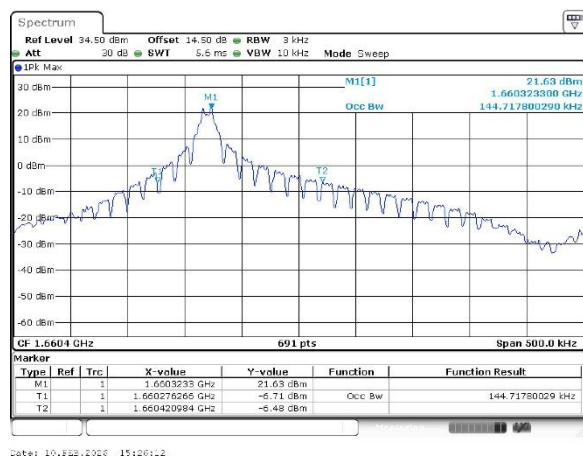
Middle Channel / 1SC / BPSK



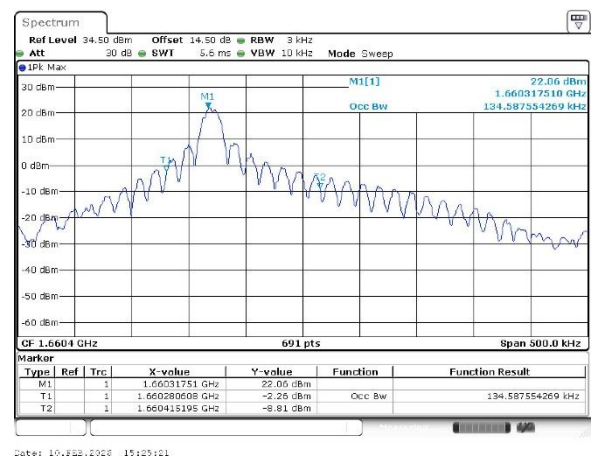
Middle Channel / 1SC / QPSK



Highest Channel / 1SC / BPSK



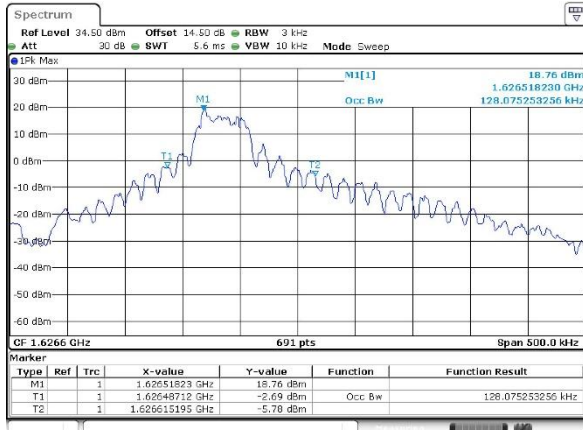
Highest Channel / 1SC / QPSK



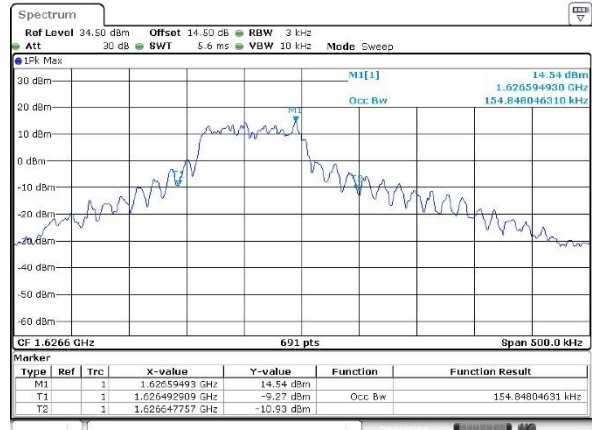


Band 255 SCS 15kHz

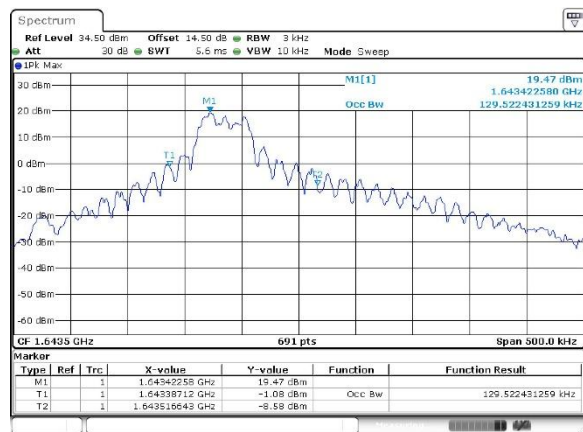
Lowest Channel / 3SC / QPSK



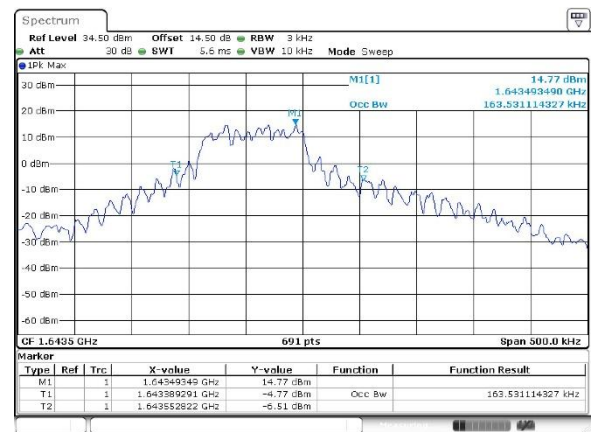
Lowest Channel / 6SC / QPSK



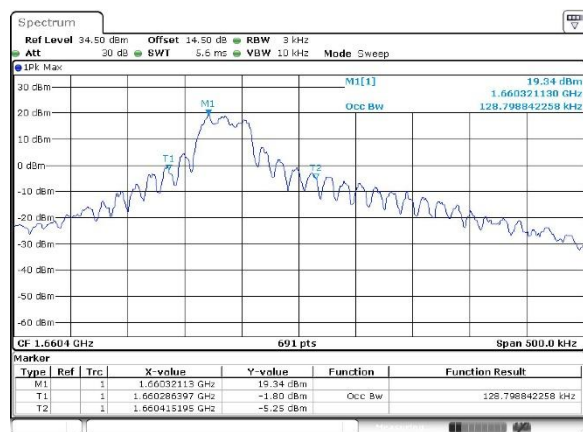
Middle Channel / 3SC / QPSK



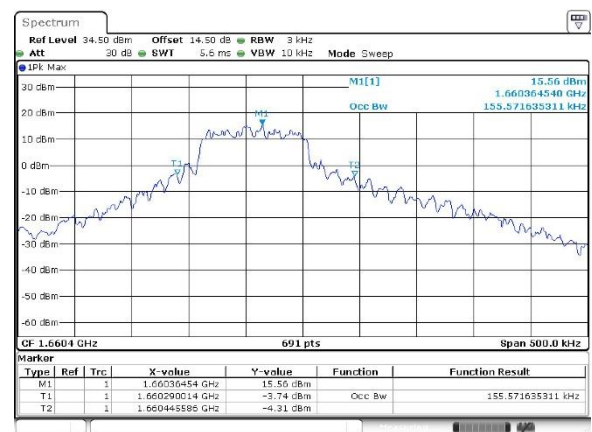
Middle Channel / 6SC / QPSK



Highest Channel / 3SC / QPSK



Highest Channel / 6SC / QPSK

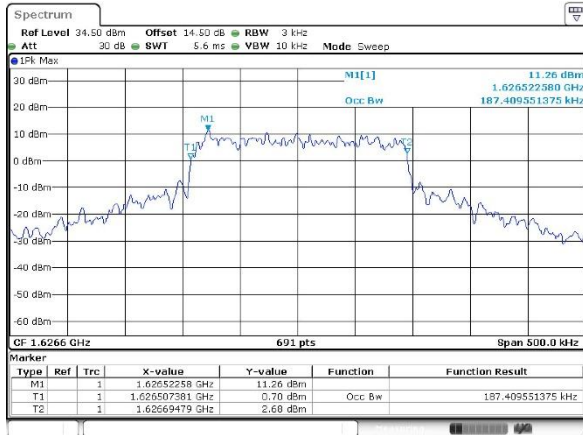




Band 255 SCS 15KHz

Lowest Channel / 12SC / QPSK

N/A

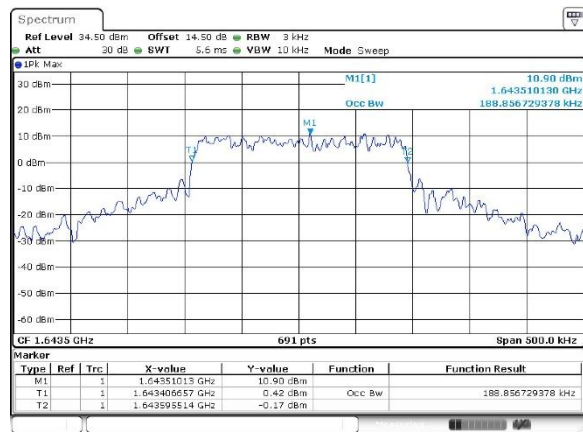


Date: 28-FEB-2020 13:29:08

N/A

Middle Channel / 12SC / QPSK

N/A



Date: 10-FEB-2020 15:12:17

N/A

Highest Channel / 12SC / QPSK

N/A



Date: 10-FEB-2020 15:12:46

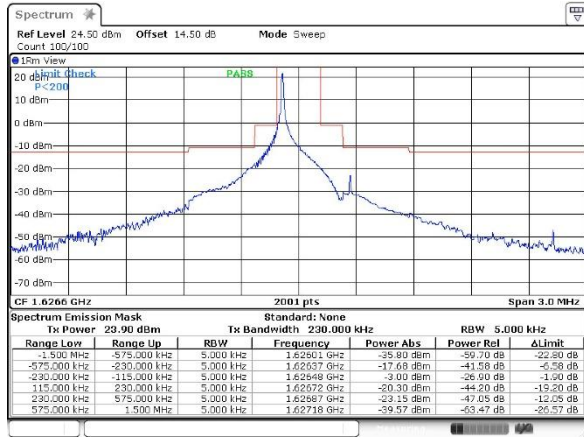
N/A



MASK

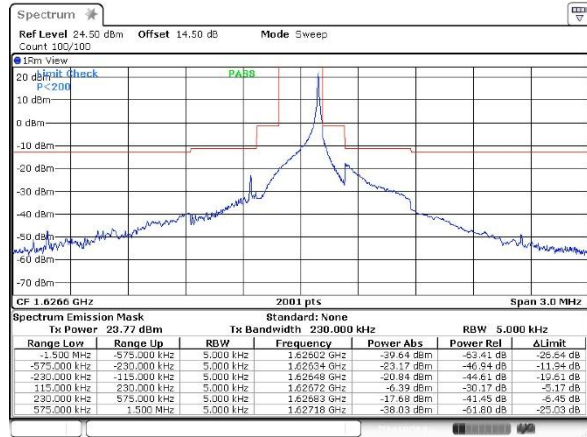
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK



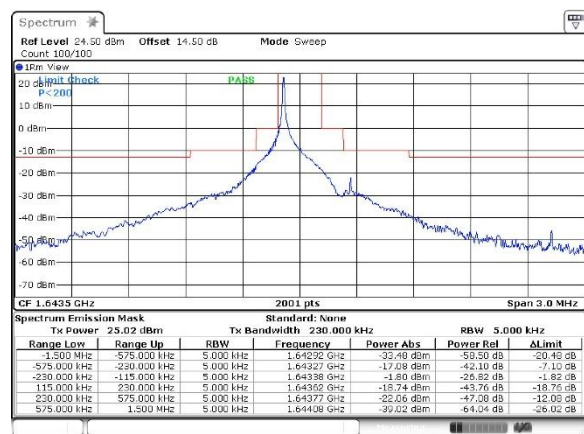
Date: 26.788.2026 11:04:02

Lowest Channel / 1SC47 / BPSK



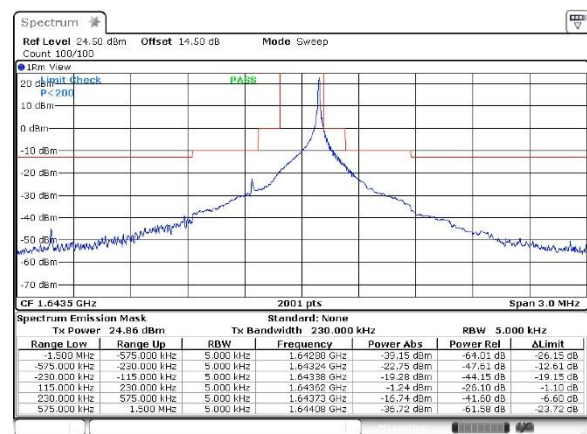
Date: 26.788.2026 13:11:13

Middle Channel / 1SC0 / BPSK



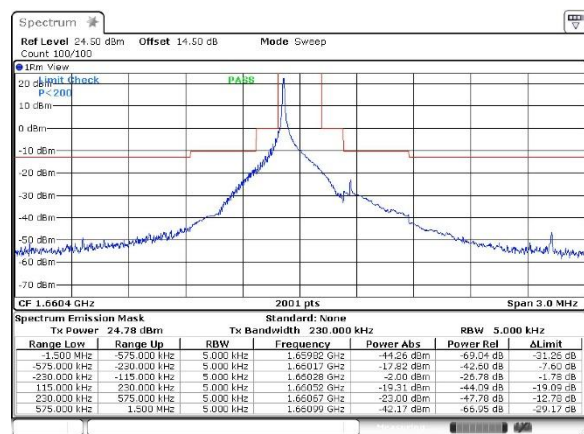
Date: 10.822.2026 16:00:40

Middle Channel / 1SC47 / BPSK



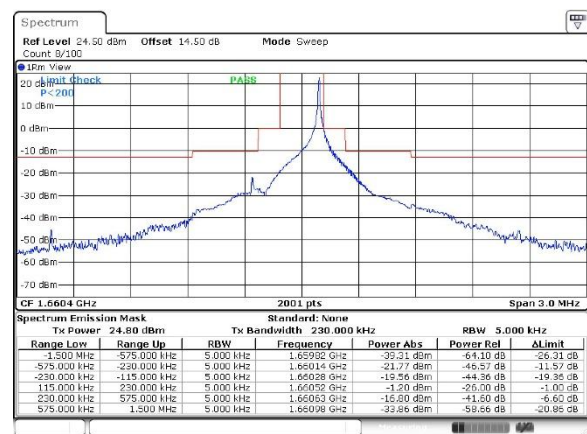
Date: 10.822.2026 16:02:06

Highest Channel / 1SC0 / BPSK



Date: 10.822.2026 15:48:40

Highest Channel / 1SC47 / BPSK

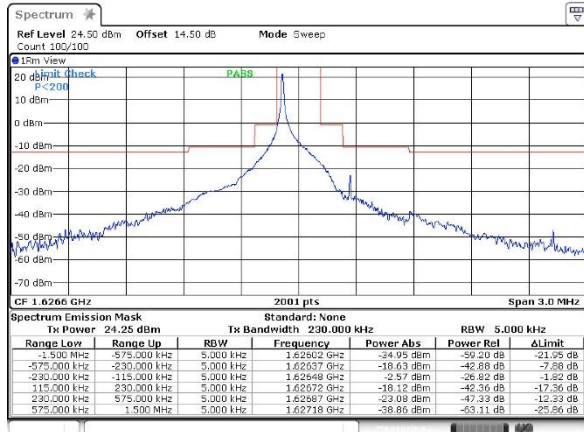


Date: 10.822.2026 16:02:08



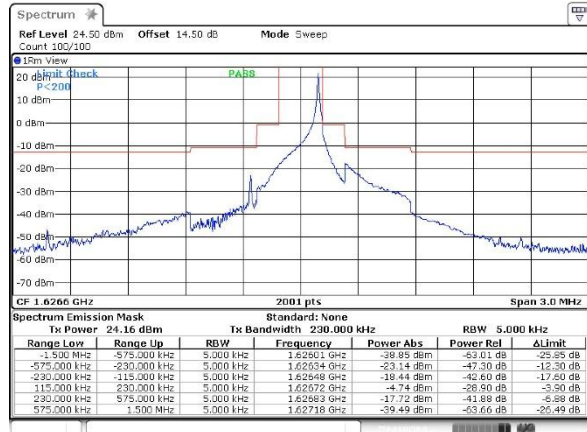
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / QPSK



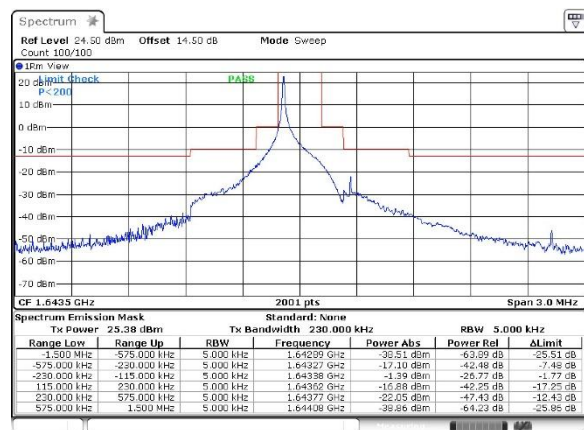
Date: 25-FEB-2020 11:58:32

Lowest Channel / 1SC47 / QPSK



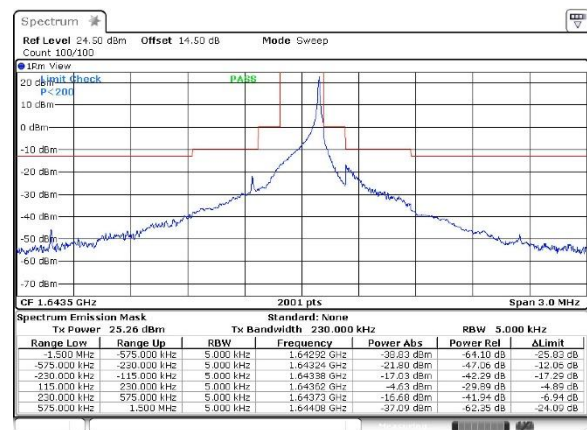
Date: 25-FEB-2020 13:09:04

Middle Channel / 1SC0 / QPSK



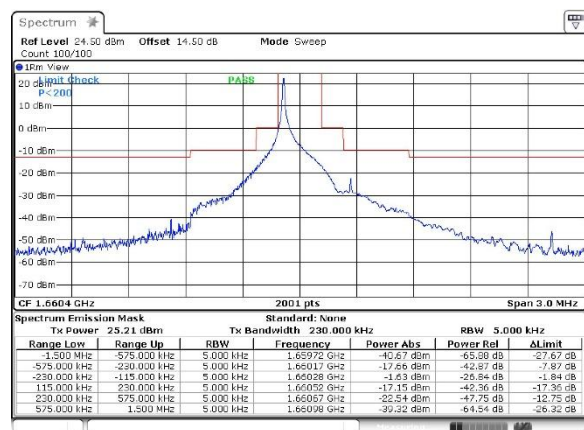
Date: 10-FEB-2020 15:52:01

Middle Channel / 1SC47 / QPSK



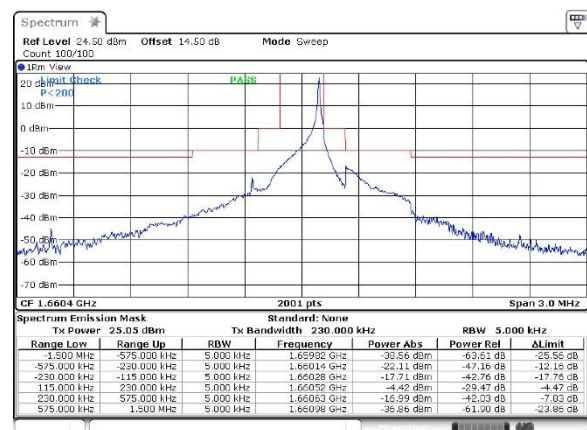
Date: 10-FEB-2020 16:07:30

Highest Channel / 1SC0 / QPSK



Date: 10-FEB-2020 15:55:03

Highest Channel / 1SC47 / QPSK

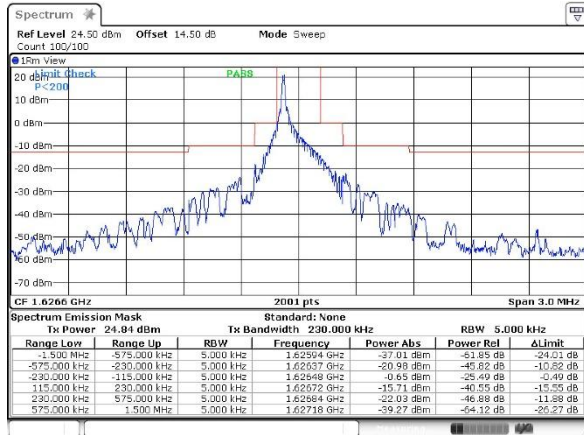


Date: 10-FEB-2020 16:16:03

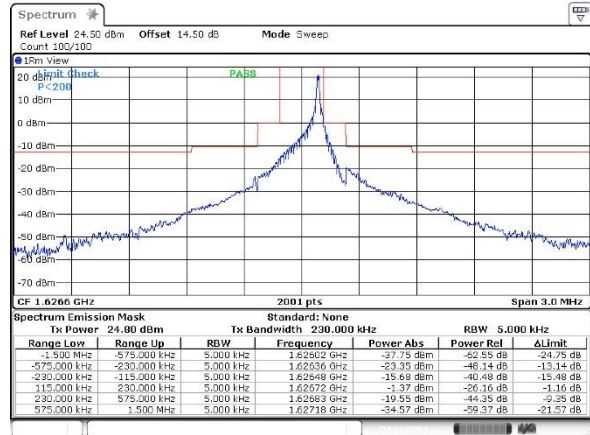


Band 255 SCS 15kHz

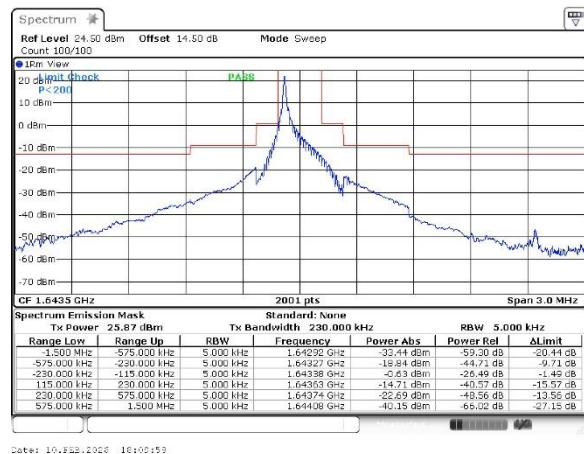
Lowest Channel / 1SC0 / BPSK



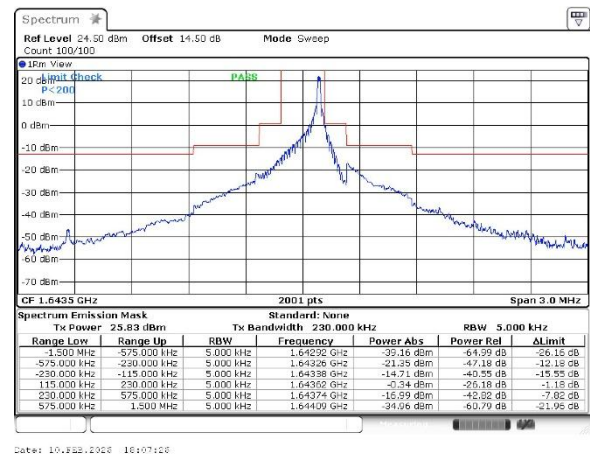
Lowest Channel / 1SC11 / BPSK



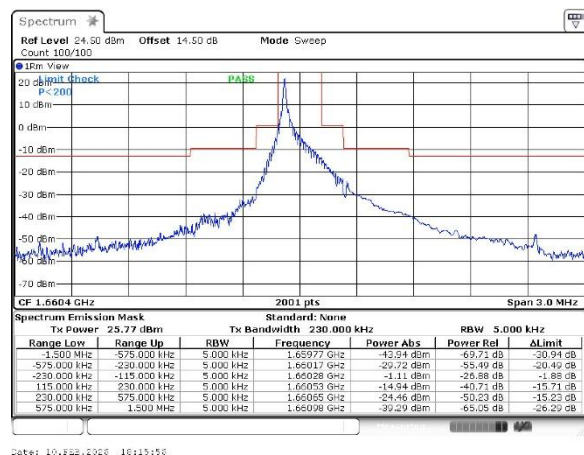
Middle Channel / 1SC0 / BPSK



Middle Channel / 1SC11 / BPSK



Highest Channel / 1SC0 / BPSK



Highest Channel / 1SC11 / BPSK

