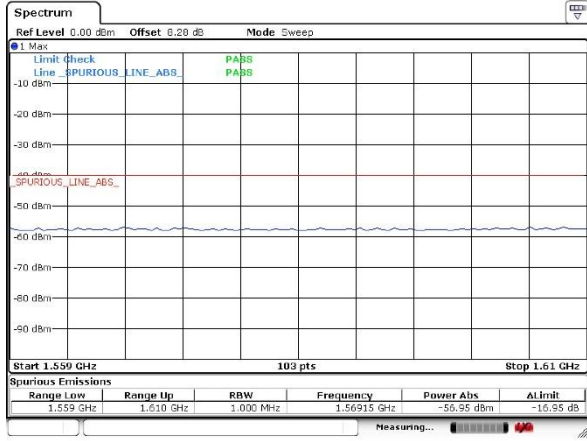




Band 23 SCS 15kHz

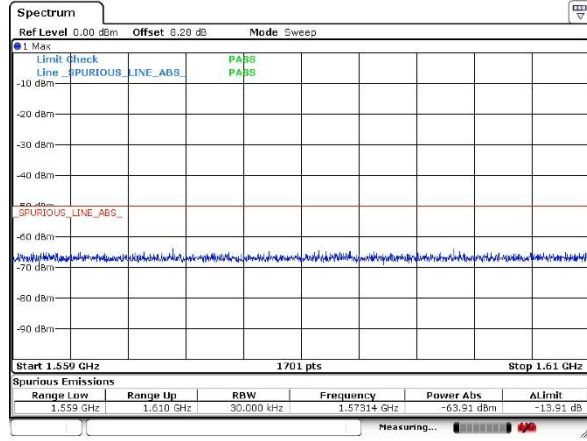
QPSK

Lowest Channel / 1SC0 Carrier on



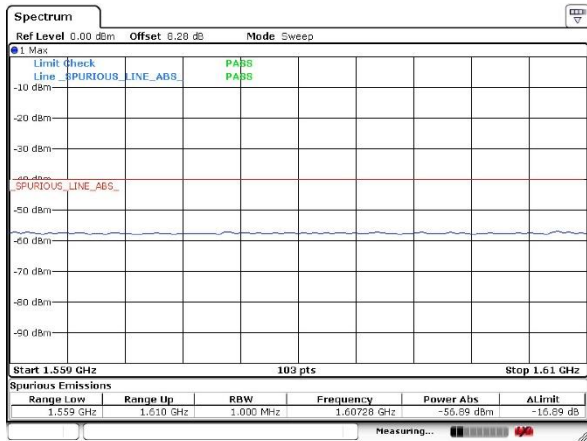
Date: 11_MAR_2024 16:01:59

Lowest Channel / 1SC0 Discrete



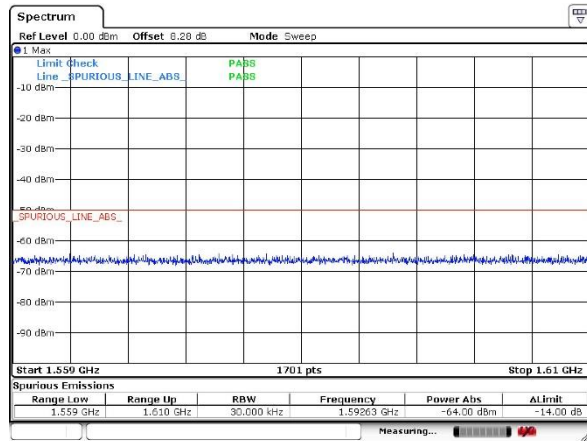
Date: 11_MAR_2024 16:49:57

Middle Channel / 1SC0 Carrier on



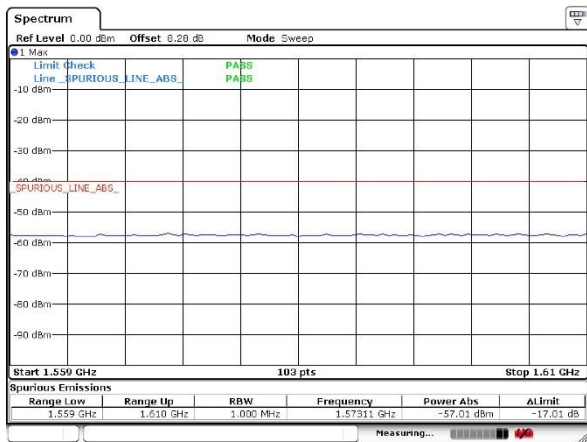
Date: 11_MAR_2024 16:03:27

Middle Channel / 1SC0 Discrete



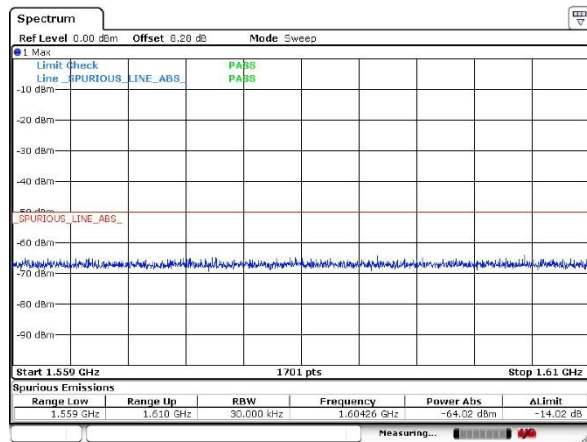
Date: 11_MAR_2024 16:43:22

Highest Channel / 1SC0 Carrier on



Date: 11_MAR_2024 16:04:08

Highest Channel / 1SC0 Discrete



Date: 11_MAR_2024 16:47:13



Frequency Stability

Test Conditions		Band 23(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

Note:

- 1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
- 2. 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	21.47	23.11	-4.3	17.17	18.81	PASS
	1SC47	21.36	22.78	-4.3	17.06	18.48	
1643.5	1SC0	20.89	22.65	-4.3	16.59	18.35	
	1SC47	21.04	22.59	-4.3	16.74	18.29	
1660.4	1SC0	21.30	22.70	-4.3	17.00	18.40	
	1SC47	21.16	22.54	-4.3	16.86	18.24	

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	23.33	22.88	-4.3	19.03	18.85	PASS
	1SC11	23.15	23.03	-4.3	18.85	18.73	
	3SC0	NA	21.90	-4.3	NA	17.60	
	3SC9	NA	21.85	-4.3	NA	17.55	
	6SC0	NA	21.90	-4.3	NA	17.60	
	6SC6	NA	21.64	-4.3	NA	17.34	
	12SC0	NA	21.21	-4.3	NA	16.91	
1643.5	1SC0	22.68	23.20	-4.3	18.38	18.90	
	1SC11	22.40	23.31	-4.3	18.10	19.01	
	3SC0	NA	21.70	-4.3	NA	17.40	
	3SC9	NA	21.80	-4.3	NA	17.50	
	6SC0	NA	21.55	-4.3	NA	17.25	
	6SC6	NA	21.79	-4.3	NA	17.49	
	12SC0	NA	21.89	-4.3	NA	17.59	
1660.4	1SC0	22.62	23.12	-4.3	18.32	18.82	
	1SC11	22.56	22.93	-4.3	18.26	18.63	
	3SC0	NA	21.49	-4.3	NA	17.19	
	3SC9	NA	21.75	-4.3	NA	17.45	
	6SC0	NA	21.64	-4.3	NA	17.34	
	6SC6	NA	21.55	-4.3	NA	17.25	
	12SC0	NA	20.88	-4.3	NA	16.58	



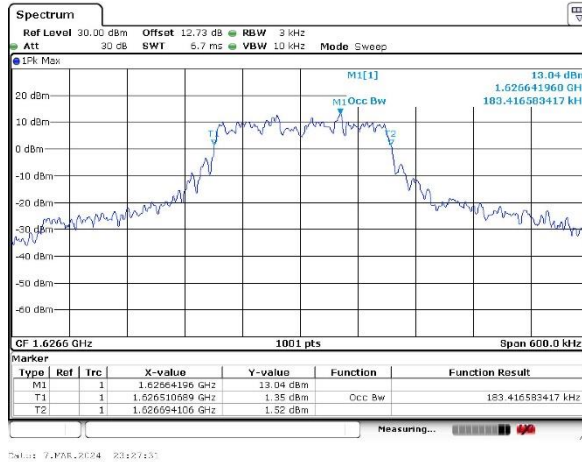
Occupied Bandwidth

Mode	Band 255 : 99%OBW(kHz)
SCS	15kHz
Mod.	QPSK
SC Size	12SC0
Lowest CH	183.42
Middle CH	184.62
Highest CH	183.42

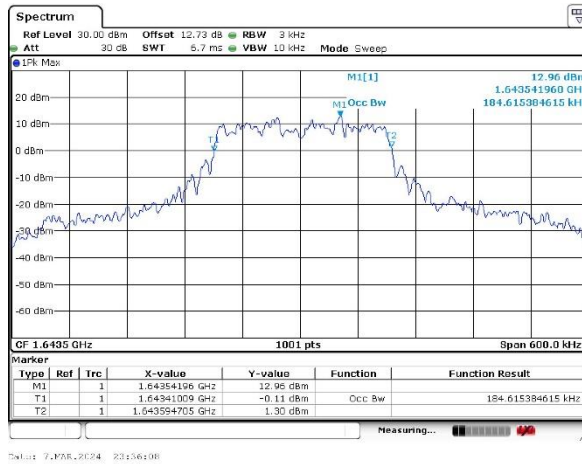


Band 255 SCS 15kHz

Lowest Channel / 12SC0 / QPSK



Middle Channel / 12SC0 / QPSK



Highest Channel / 12SC0 / QPSK



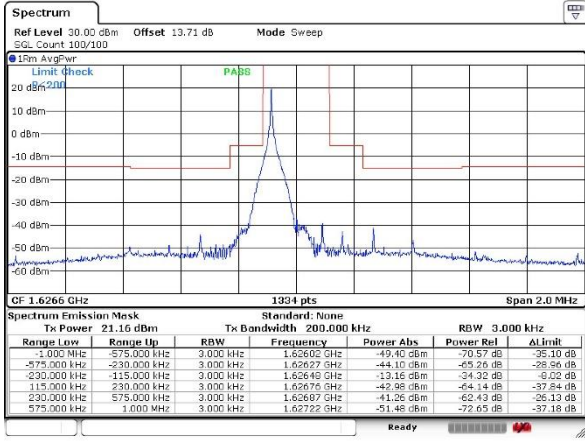


Conducted Emissions Mask

Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK

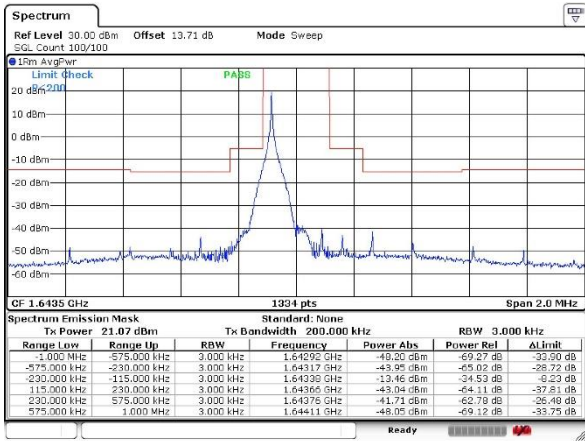
Lowest Channel / 1SC0 / BPSK-CP



N/A

Middle Channel / 1SC0 / BPSK

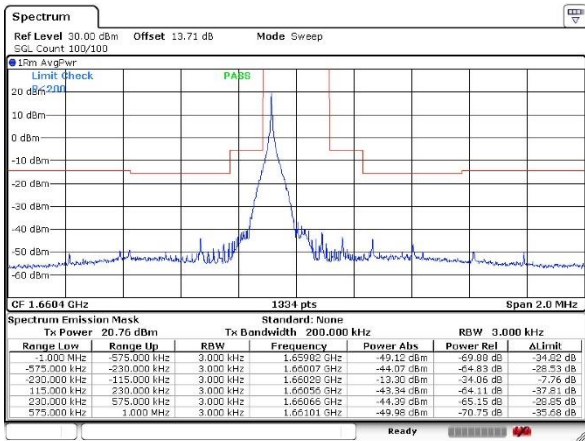
Middle Channel / 1SC0 / BPSK-CP



N/A

Highest Channel / 1SC0 / BPSK

Highest Channel / 1SC0 / BPSK-CP



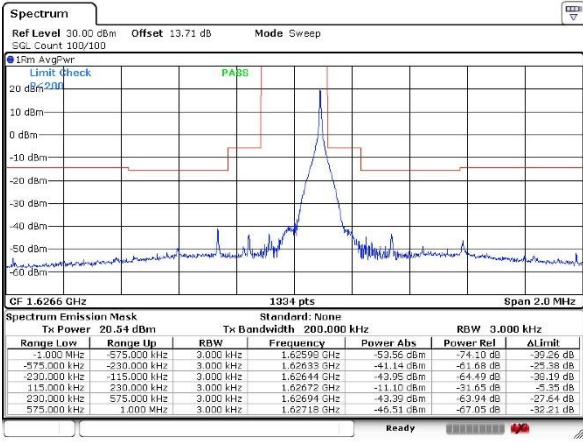
N/A



Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / BPSK

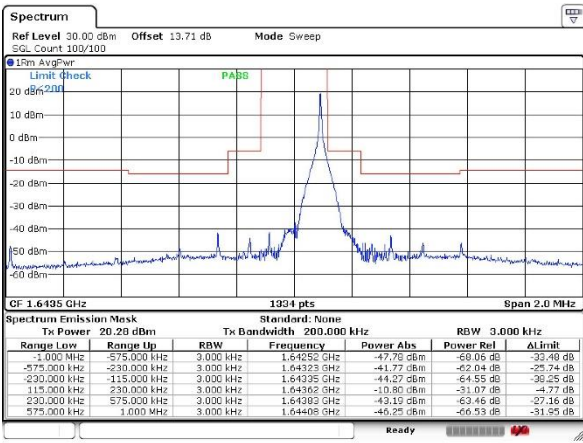
Lowest Channel / 1SC47 / BPSK - CP



N/A

Middle Channel / 1SC47 / BPSK

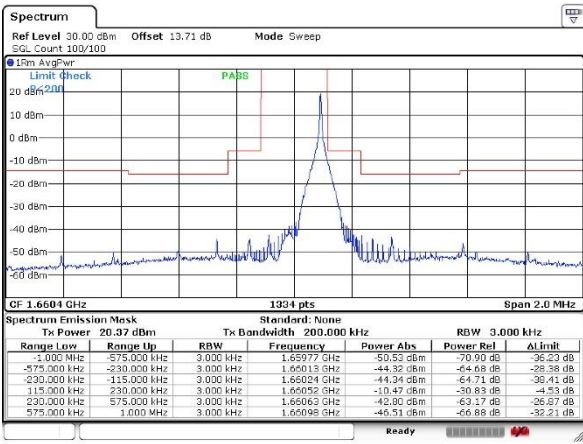
Middle Channel / 1SC47 / BPSK - CP



N/A

Highest Channel / 1SC47 / BPSK

Highest Channel / 1SC47 / BPSK - CP



N/A

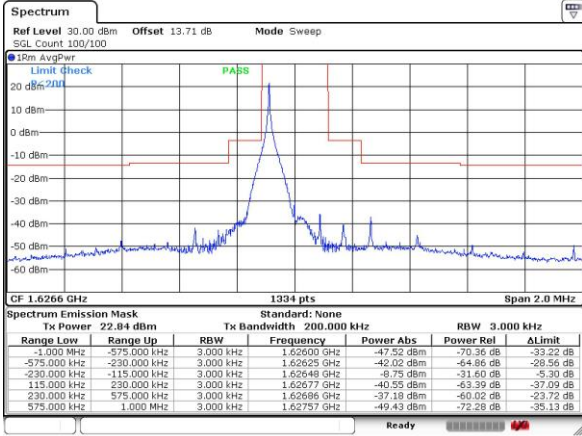
Remark: The above results of RBW 1kHz corrected by 10log(4kHz/1kHz) is passed.



Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / QPSK

Lowest Channel / 1SC0 / QPSK - CP

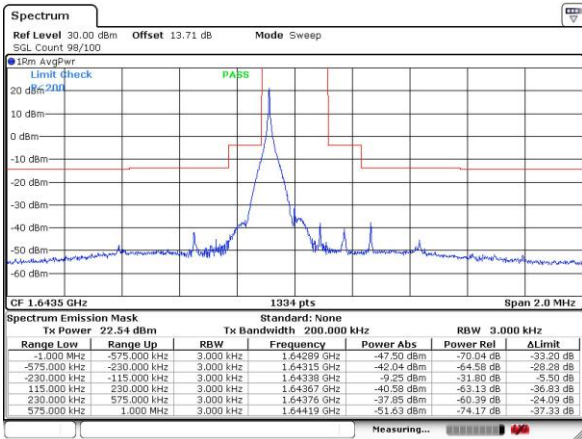


N/A

Date: 1.MAY.2024 00:25:16

Middle Channel / 1SC0 / QPSK

Middle Channel / 1SC0 / QPSK - CP

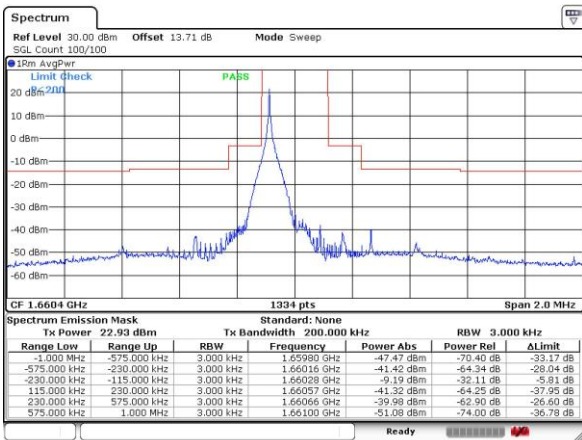


N/A

Date: 1.MAY.2024 00:53:06

Highest Channel / 1SC0 / QPSK

Highest Channel / 1SC0 / QPSK - CP



N/A

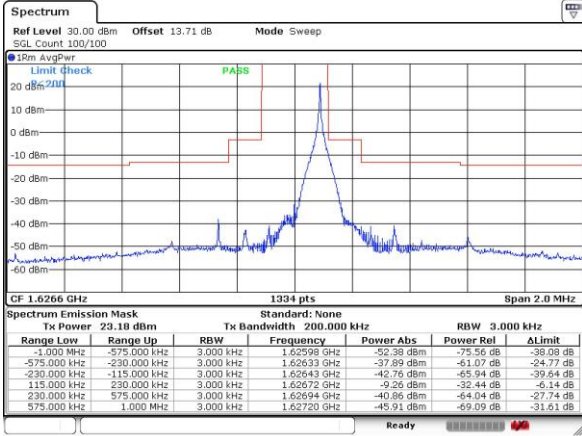
Date: 30.APR.2024 23:20:24



Band 255 SCS 3.75kHz

Lowest Channel / 1SC47 / QPSK

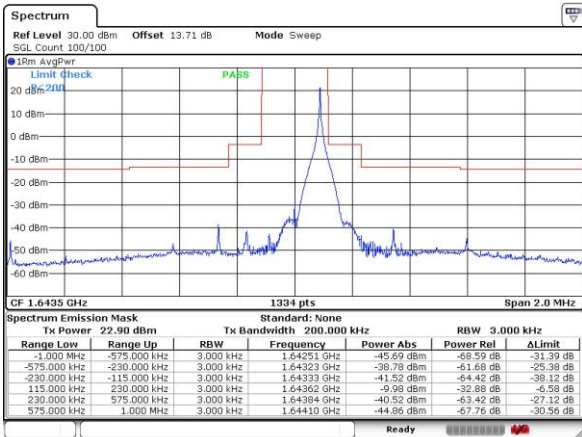
Lowest Channel / 1SC47 / QPSK - CP



N/A

Middle Channel / 1SC47 / QPSK

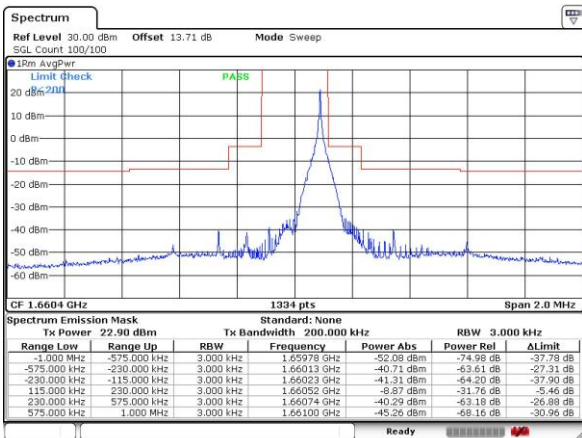
Middle Channel / 1SC47 / QPSK - CP



N/A

Highest Channel / 1SC47 / QPSK

Highest Channel / 1SC47 / QPSK - CP



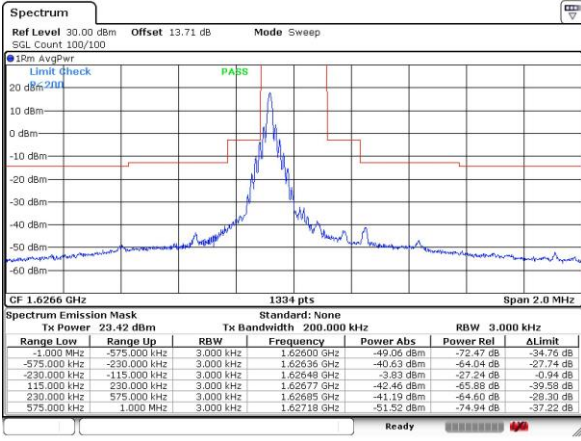
N/A

Remark: The above results of RBW 1kHz corrected by 10log(4kHz/1kHz) is passed.

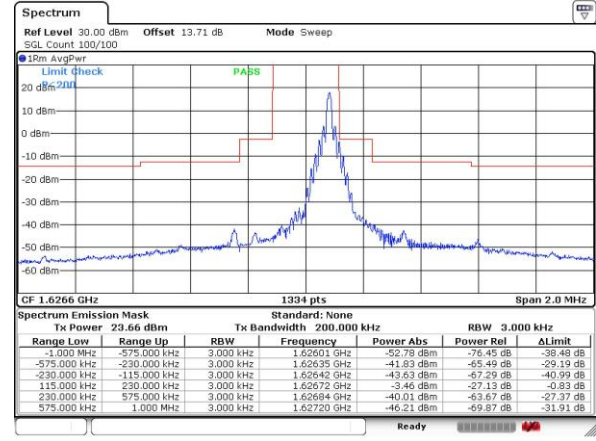


Band 255 SCS 15kHz

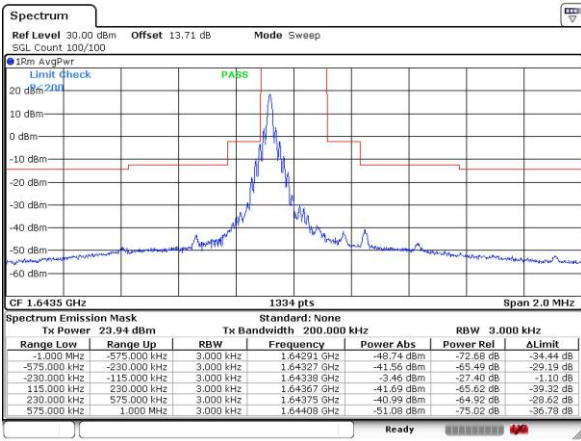
Lowest Channel / 1SC0 / BPSK



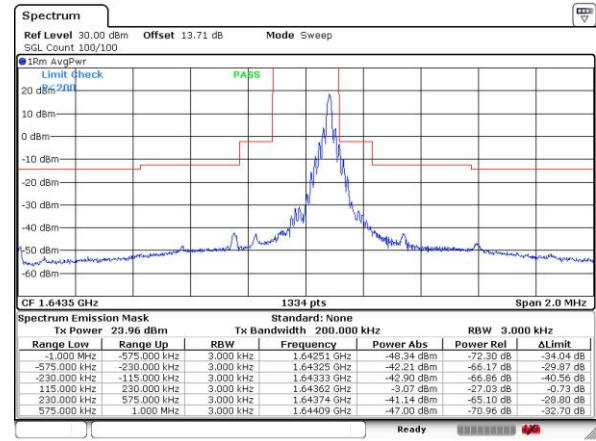
Lowest Channel / 1SC11 / BPSK



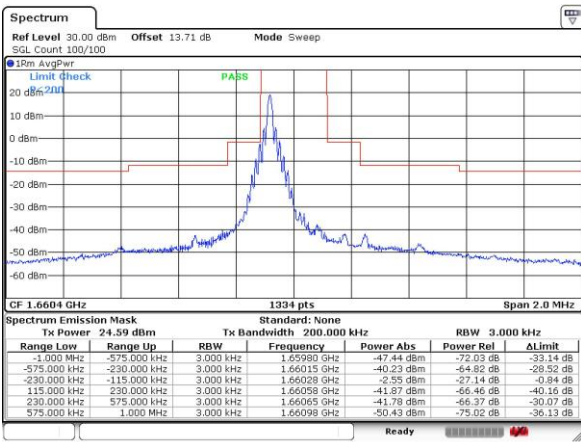
Middle Channel / 1SC0 / BPSK



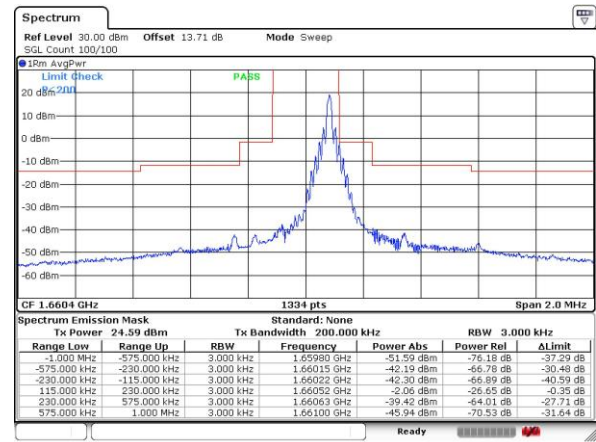
Middle Channel / 1SC11 / BPSK



Highest Channel / 1SC0 / BPSK



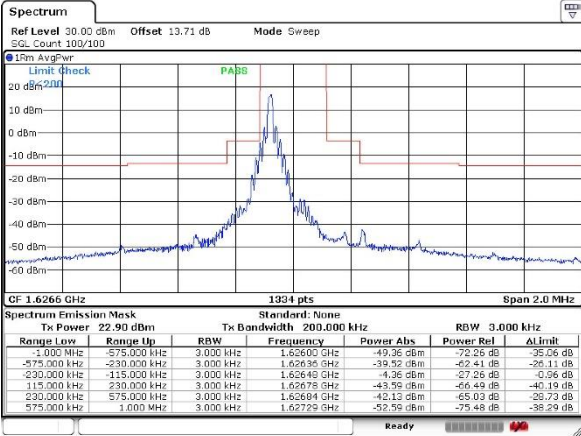
Highest Channel / 1SC11 / BPSK





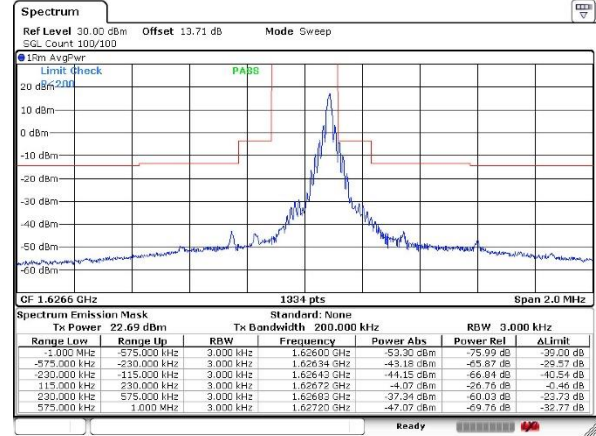
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / QPSK



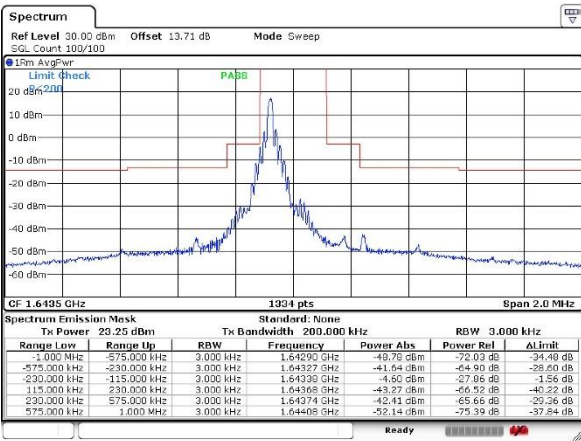
Date: 15_MAR_2024 14:04:01

Lowest Channel / 1SC11 / QPSK



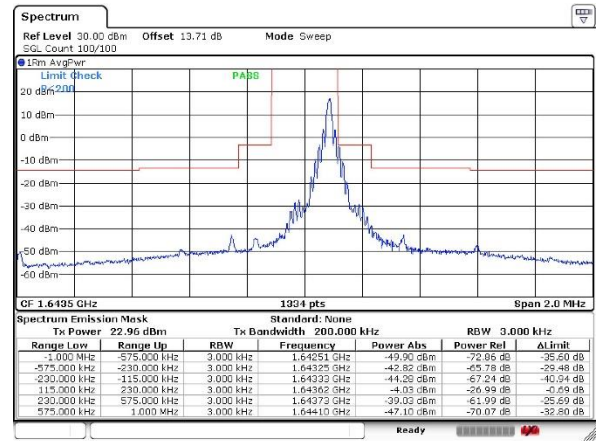
Date: 15_MAR_2024 15:10:01

Middle Channel / 1SC0 / QPSK



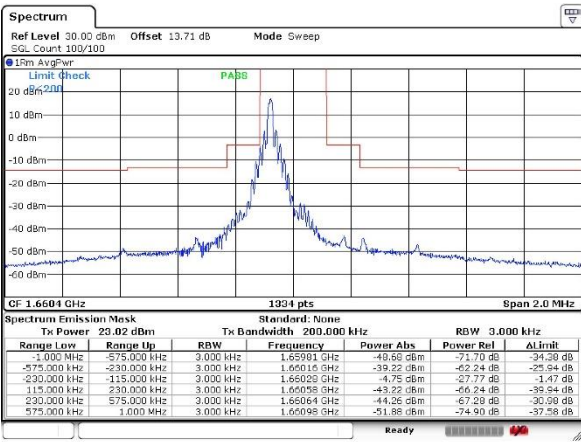
Date: 15_MAR_2024 14:38:35

Middle Channel / 1SC11 / QPSK



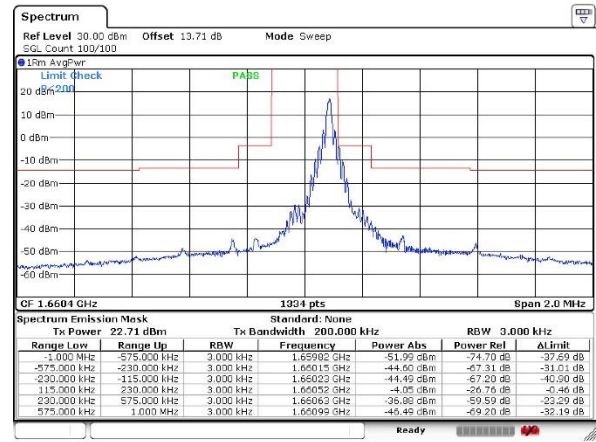
Date: 15_MAR_2024 14:47:03

Highest Channel / 1SC0 / QPSK



Date: 15_MAR_2024 15:01:15

Highest Channel / 1SC11 / QPSK

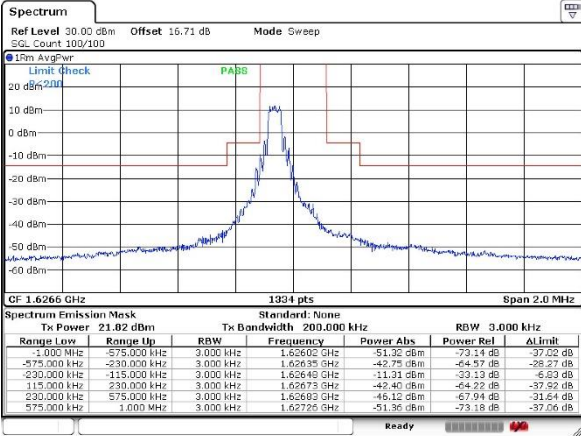


Date: 15_MAR_2024 15:15:45



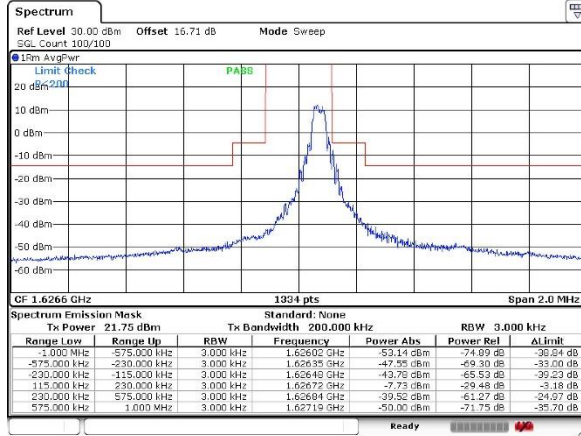
Band 255 SCS 15kHz

Lowest Channel / 3SC0 / QPSK



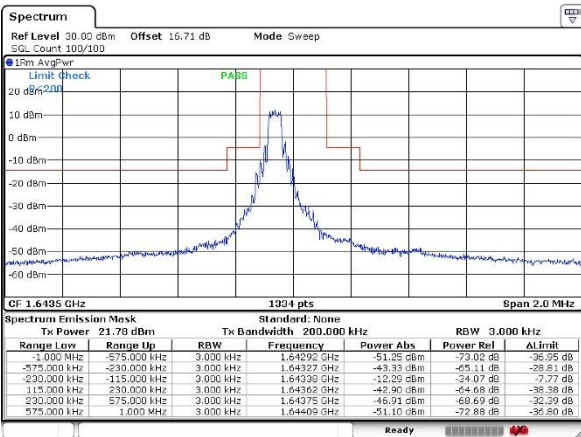
Date: 7.MAR.2024 2:15:22

Lowest Channel / 3SC9 / QPSK



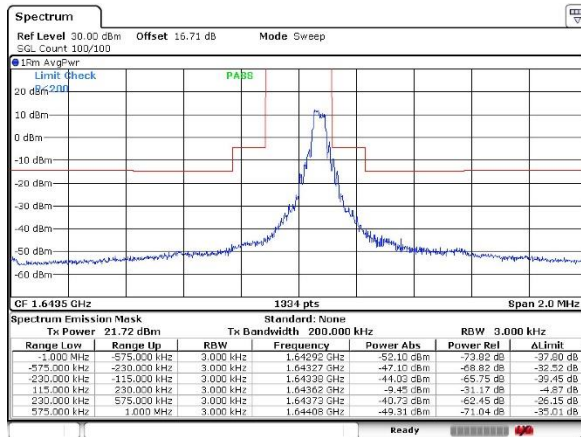
Date: 7.MAR.2024 22:00:54

Middle Channel / 3SC0 / QPSK



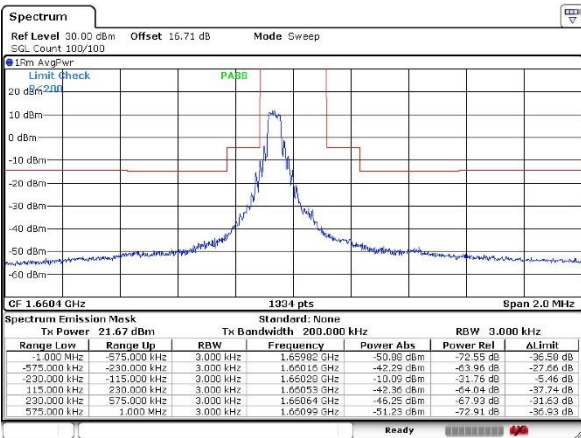
Date: 7.MAR.2024 2:14:11

Middle Channel / 3SC9 / QPSK



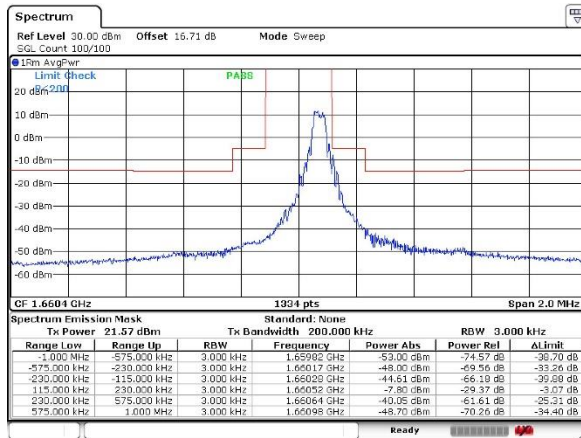
Date: 7.MAR.2024 2:14:46

Highest Channel / 3SC0 / QPSK



Date: 7.MAR.2024 22:18:42

Highest Channel / 3SC9 / QPSK

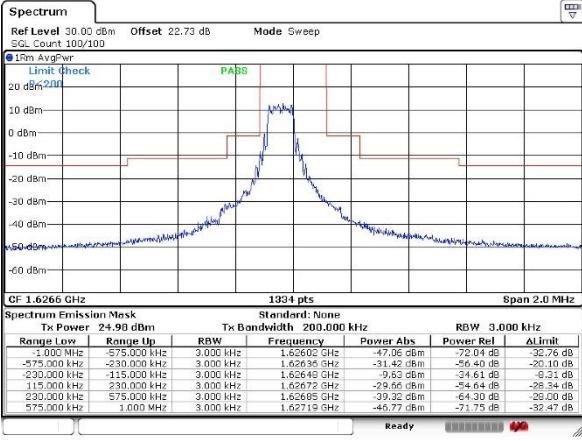


Date: 7.MAR.2024 22:20:32



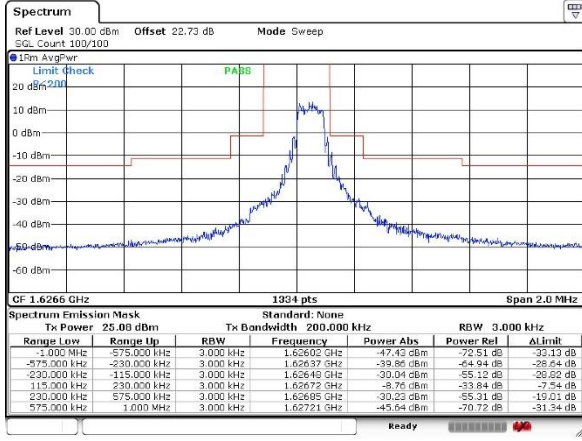
Band 255 SCS 15kHz

Lowest Channel / 6SC0 / QPSK



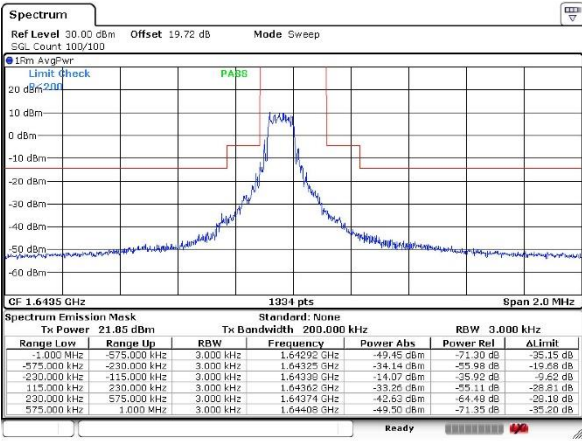
Date: 7, MAR, 2024 22:02:43

Lowest Channel / 6SC6 / QPSK



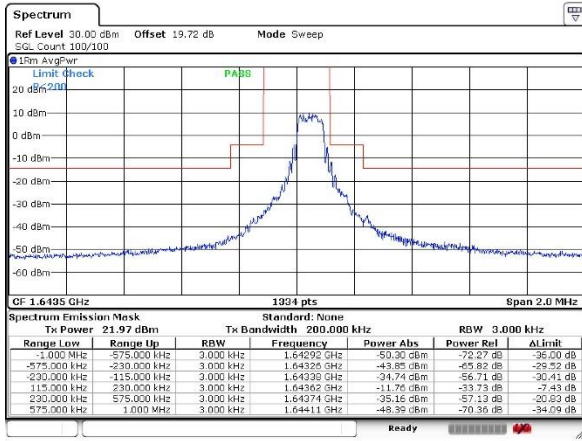
Date: 7, MAR, 2024 22:03:53

Middle Channel / 6SC0 / QPSK



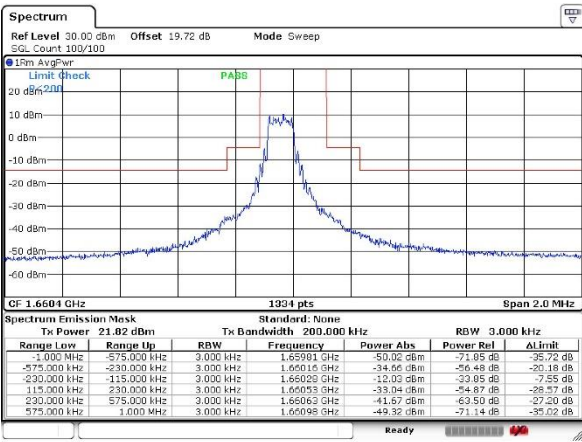
Date: 7, MAR, 2024 21:59:52

Middle Channel / 6SC6 / QPSK



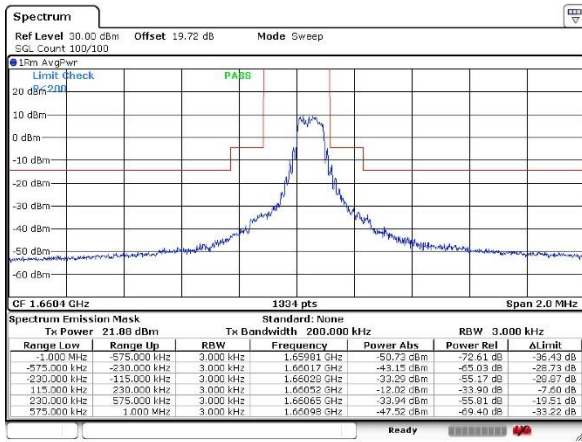
Date: 7, MAR, 2024 21:59:53

Highest Channel / 6SC0 / QPSK



Date: 7, MAR, 2024 23:15:47

Highest Channel / 6SC6 / QPSK

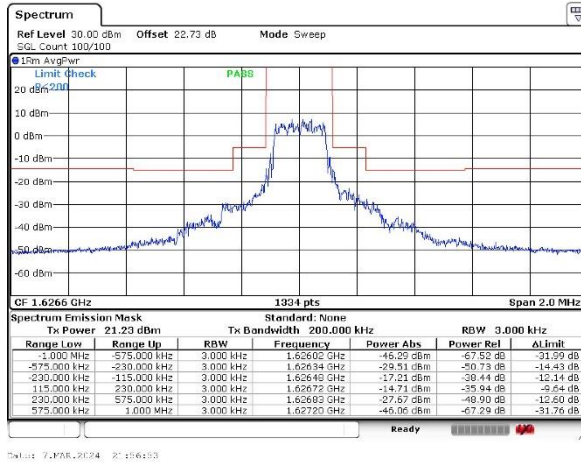


Date: 7, MAR, 2024 23:19:50



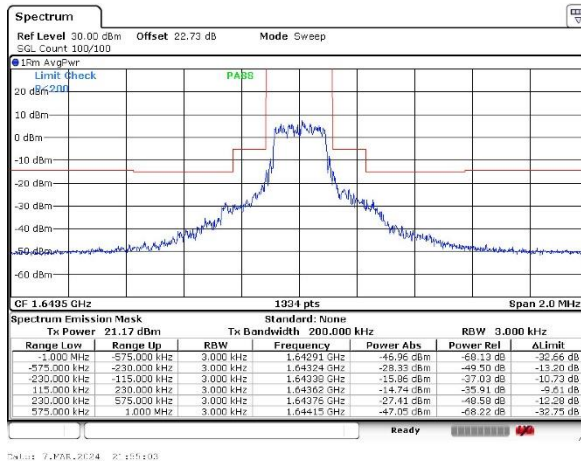
Band 255 SCS 15kHz

Lowest Channel / 12SC0 / QPSK



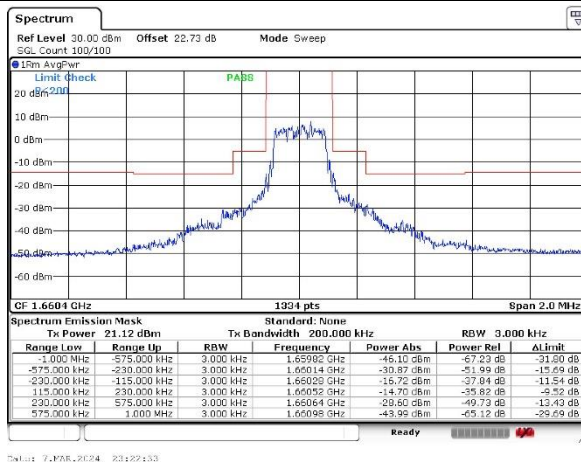
Date: 7-MAR-2024 21:18:13

Middle Channel / 12SC0 / QPSK



Date: 7-MAR-2024 21:18:13

Highest Channel / 12SC0 / QPSK



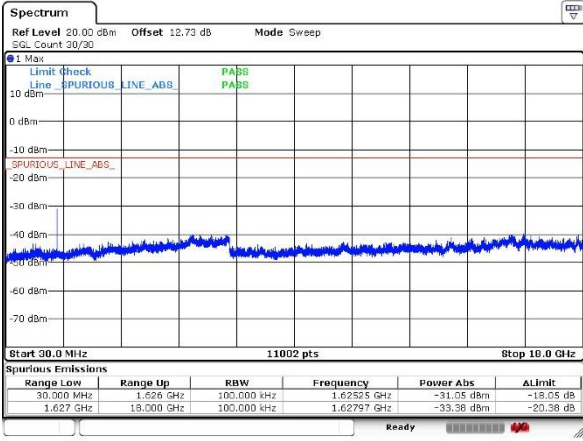
Date: 7-MAR-2024 23:12:13



Conducted Spurious Emission

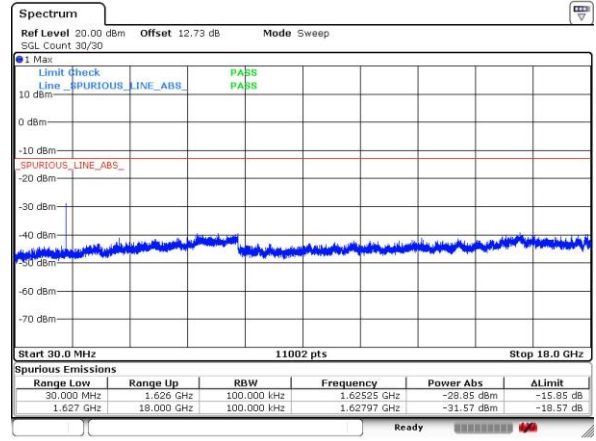
Band 255 SCS 3.75kHz

Lowest Channel / 1SC0 / BPSK



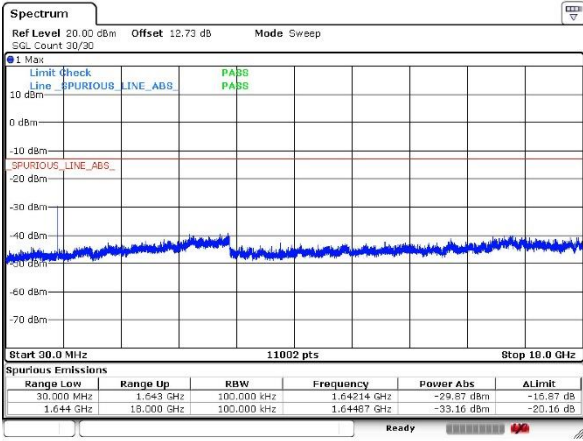
Date: 7.MAY.2024 23:43:14

Lowest Channel / 1SC0 / QPSK



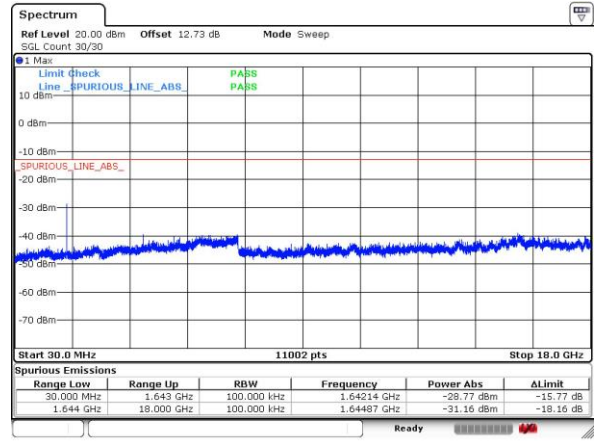
Date: 1.MAY.2024 01:04:05

Middle Channel / 1SC0 / BPSK



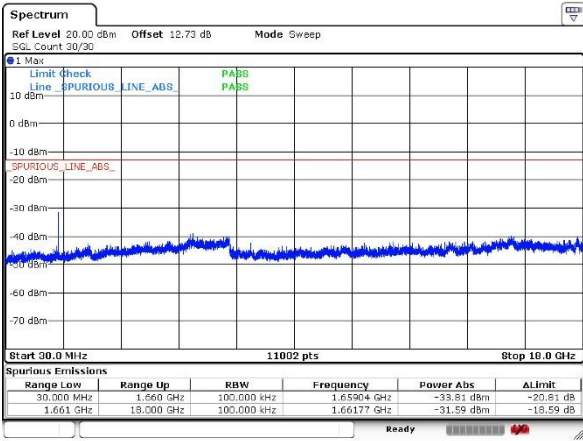
Date: 7.MAY.2024 23:58:51

Middle Channel / 1SC0 / QPSK



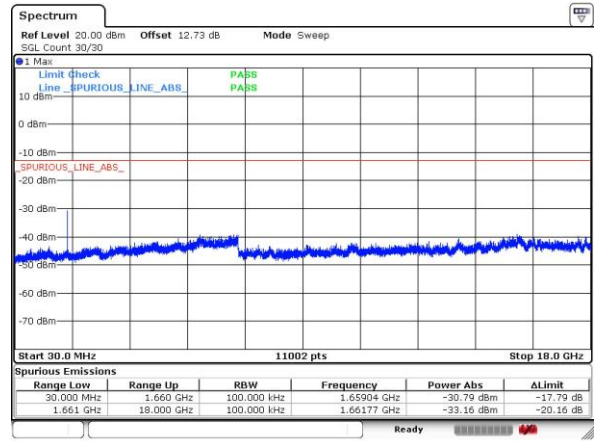
Date: 1.MAY.2024 00:59:14

Highest Channel / 1SC0 / BPSK



Date: 7.MAY.2024 23:47:59

Highest Channel / 1SC0 / QPSK

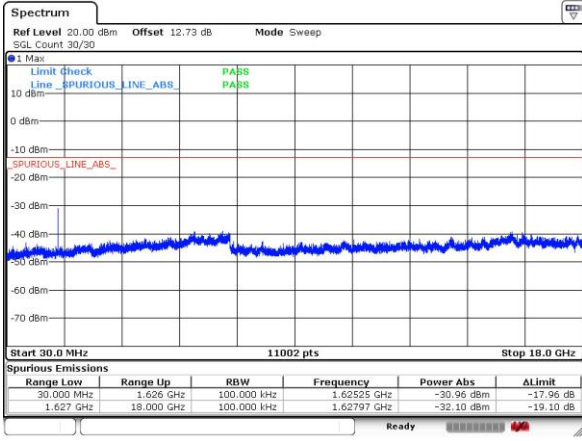


Date: 1.MAY.2024 01:06:23



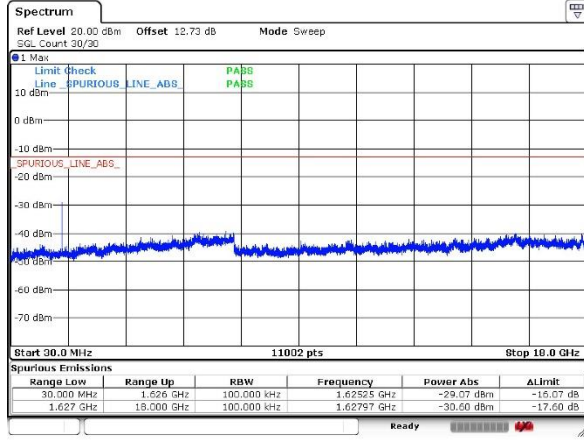
Band 255 SCS 15kHz

Lowest Channel / 1SC0 / BPSK



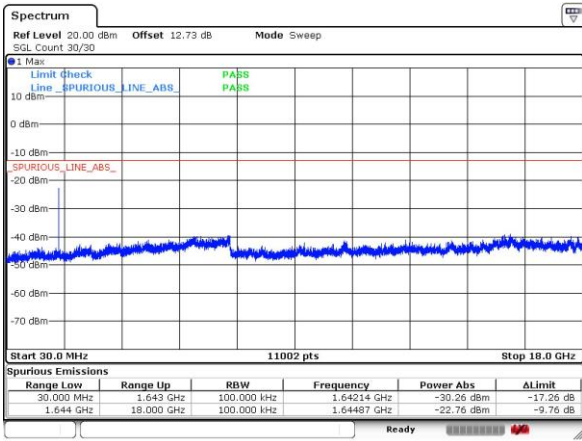
Date: 1.MAY.2024 01:02:47

Lowest Channel / 1SC0 / QPSK



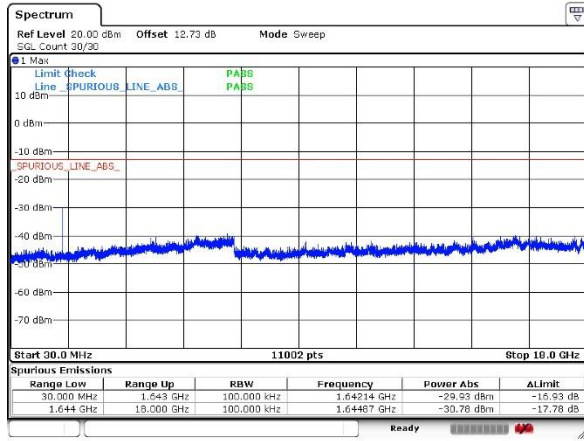
Date: 22.MAR.2024 17:51:26

Middle Channel / 1SC0 / BPSK



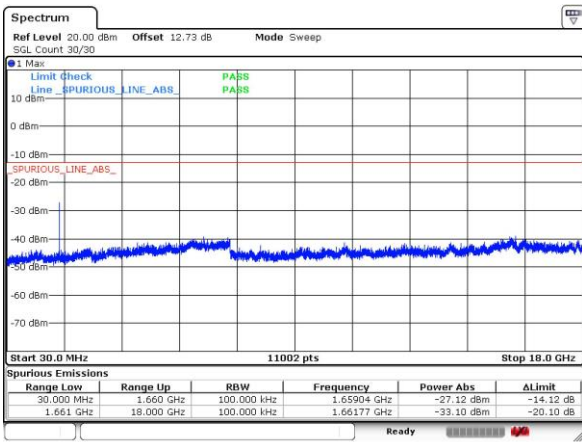
Date: 1.MAY.2024 01:01:03

Middle Channel / 1SC0 / QPSK



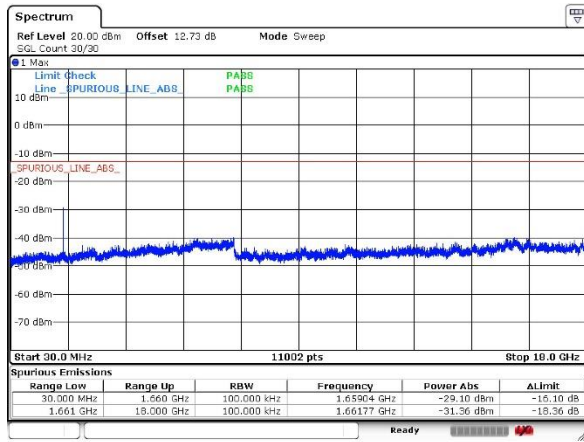
Date: 22.MAR.2024 17:51:34

Highest Channel / 1SC0 / BPSK



Date: 1.MAY.2024 01:05:29

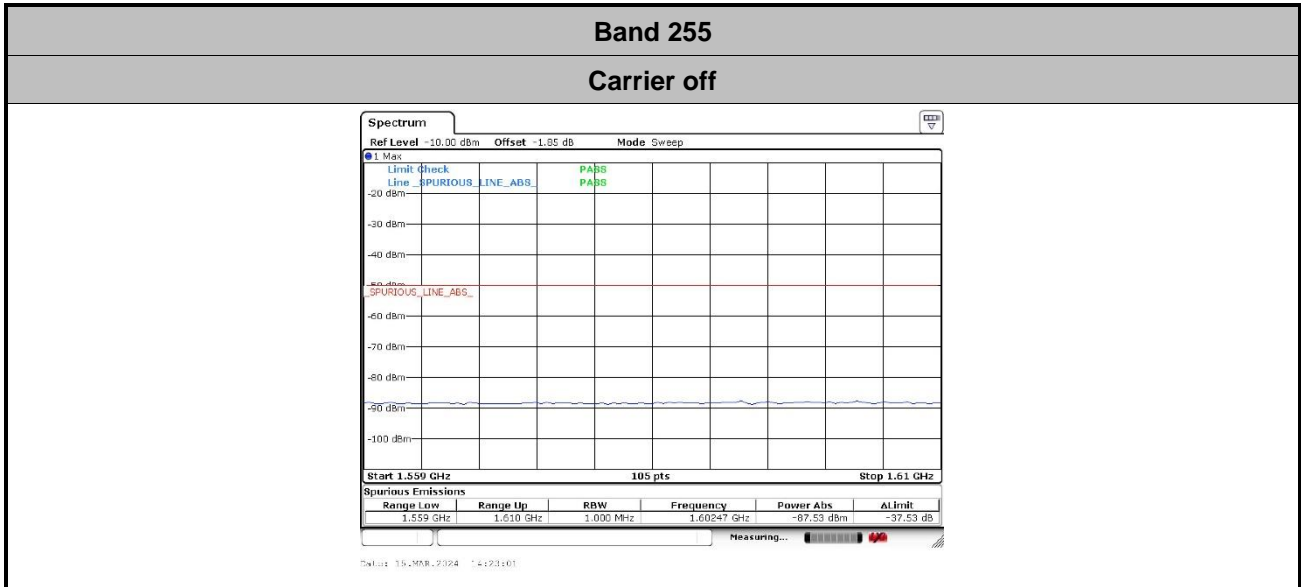
Highest Channel / 1SC0 / QPSK



Date: 22.MAR.2024 17:51:26



Emission limits for protection of aeronautical service

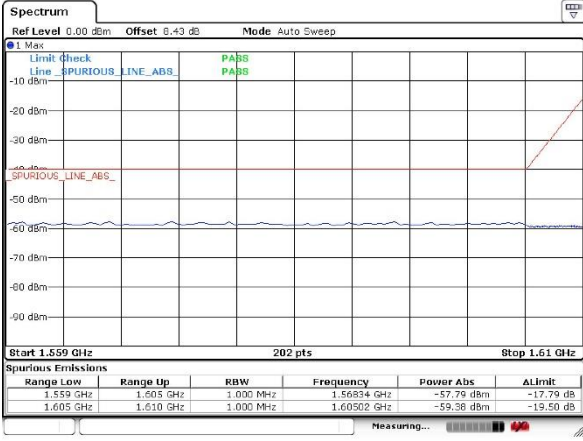




Band 255 SCS 3.75kHz

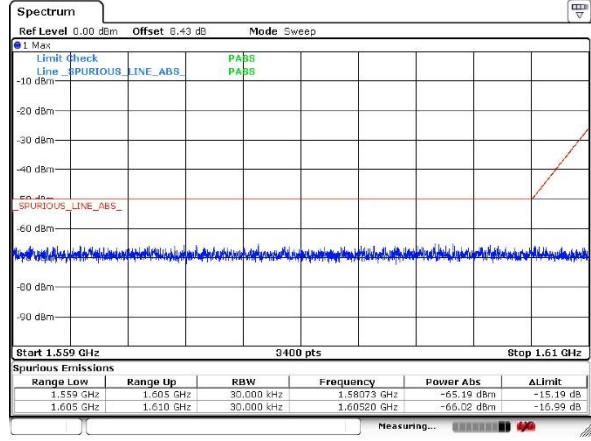
BPSK

Lowest Channel / 1SC0 Carrier on



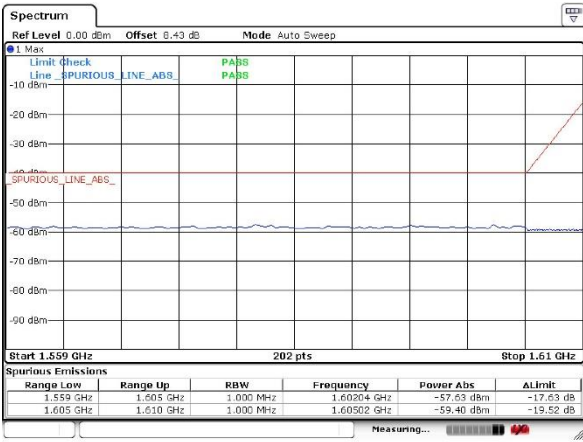
Date: 7.MAR.2024 23:14:23

Lowest Channel / 1SC0 Discrete



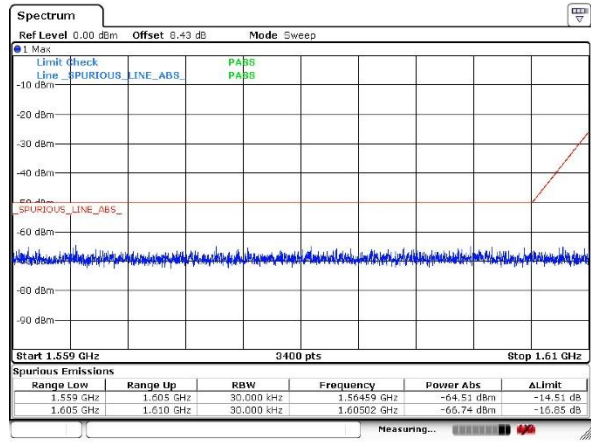
Date: 8.MAR.2024 00:00:29

Middle Channel / 1SC0 Carrier on



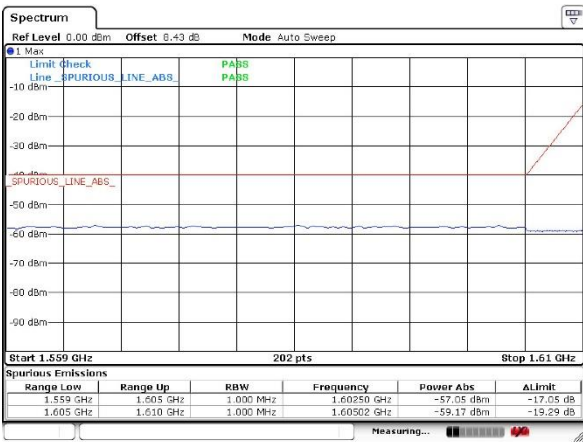
Date: 7.MAR.2024 23:16:03

Middle Channel / 1SC0 Discrete



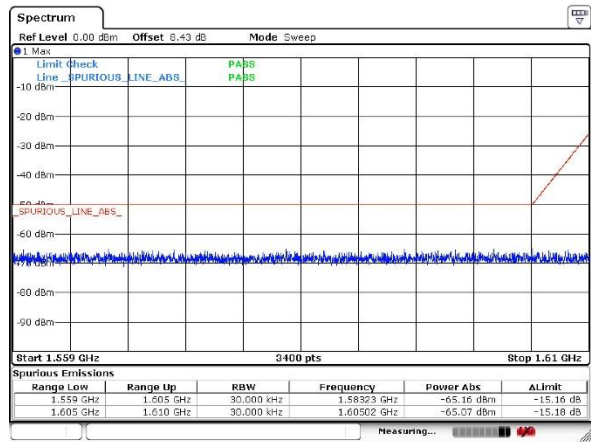
Date: 8.MAR.2024 00:00:43

Highest Channel / 1SC0 Carrier on



Date: 7.MAR.2024 23:16:42

Highest Channel / 1SC0 Discrete



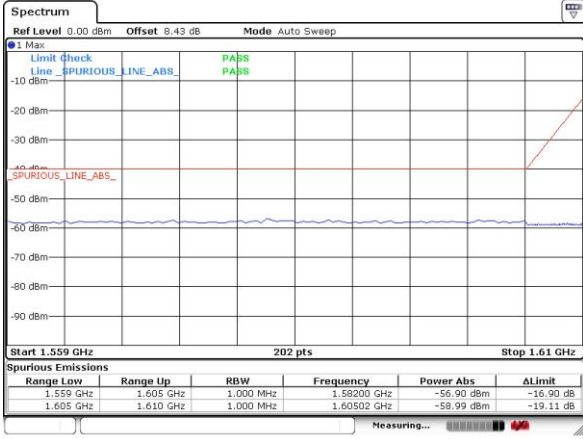
Date: 8.MAR.2024 00:04:59



Band 255 SCS 3.75kHz

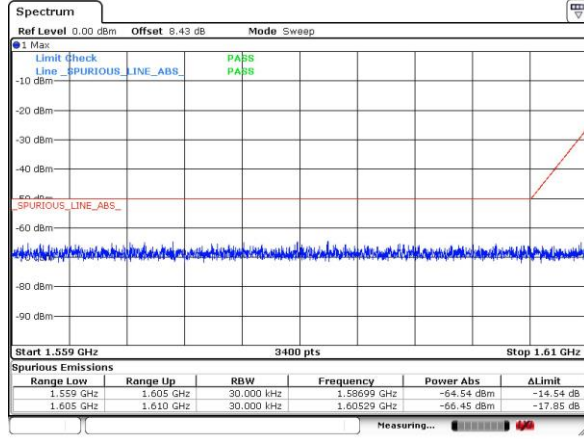
QPSK

Lowest Channel / 1SC0 Carrier on



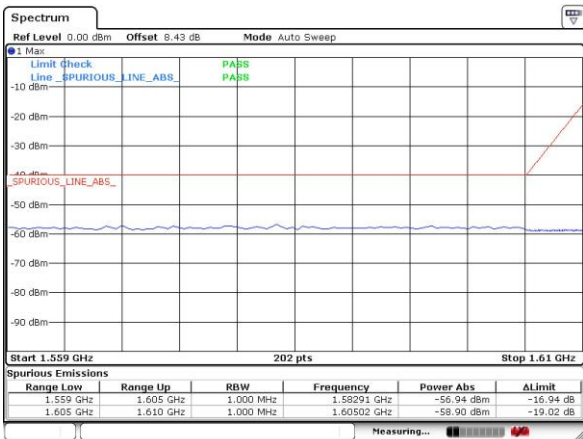
Date: 1.MAY.2024 01:09:48

Lowest Channel / 1SC0 Discrete



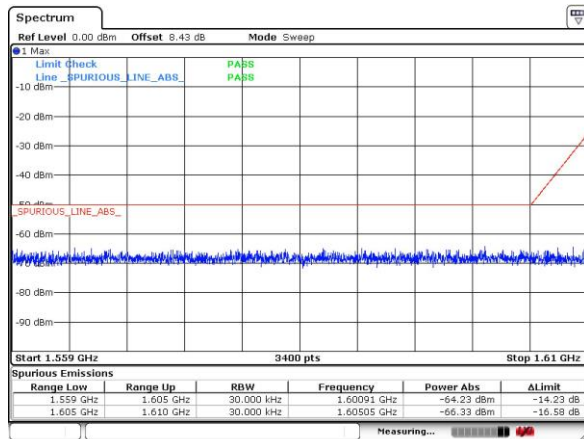
Date: 1.MAY.2024 01:15:23

Middle Channel / 1SC0 Carrier on



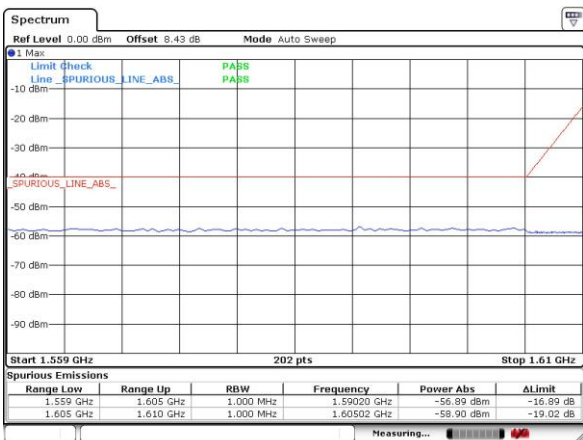
Date: 1.MAY.2024 01:10:12

Middle Channel / 1SC0 Discrete



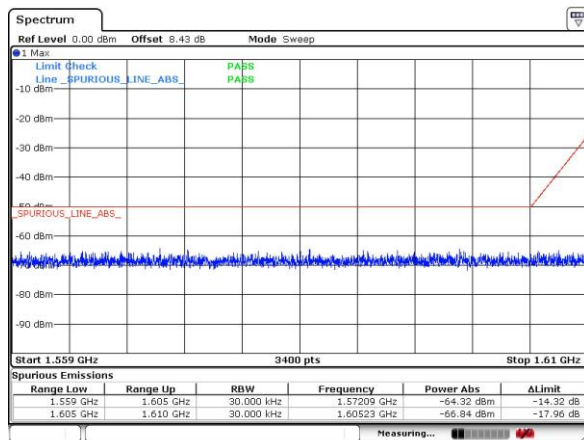
Date: 1.MAY.2024 01:14:04

Highest Channel / 1SC0 Carrier on



Date: 1.MAY.2024 01:08:36

Highest Channel / 1SC0 Discrete



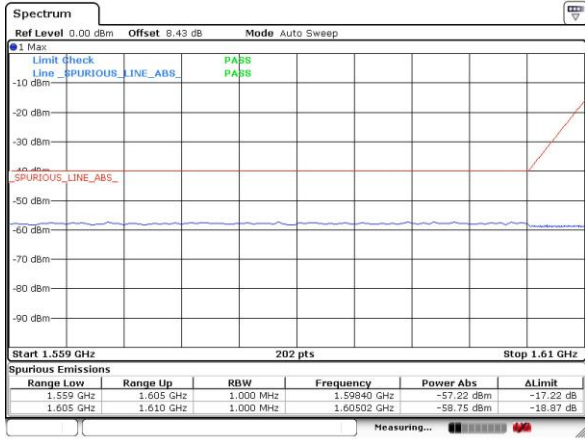
Date: 1.MAY.2024 01:16:20



Band 255 SCS 15kHz

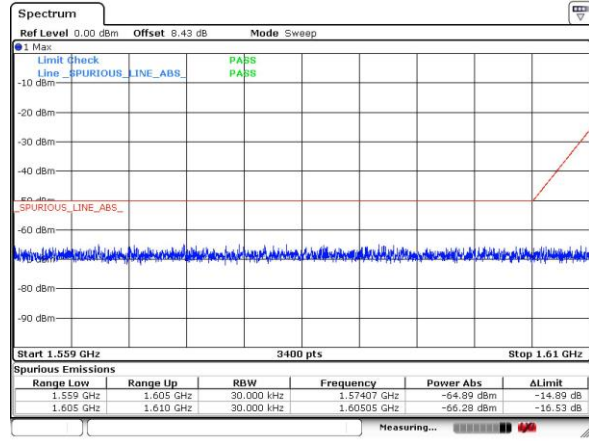
BPSK

Lowest Channel / 1SC0 Carrier on



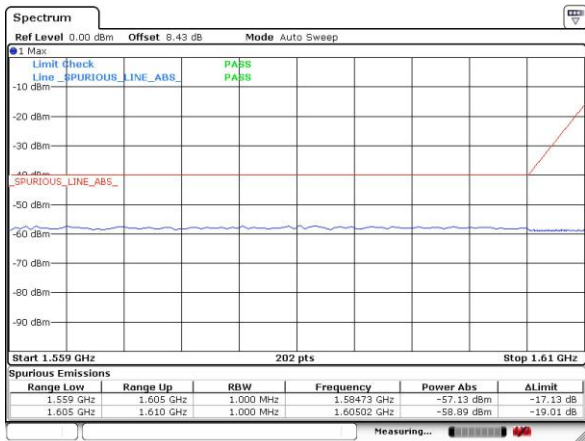
Date: 1.MAY.2024 01:09:15

Lowest Channel / 1SC0 Discrete



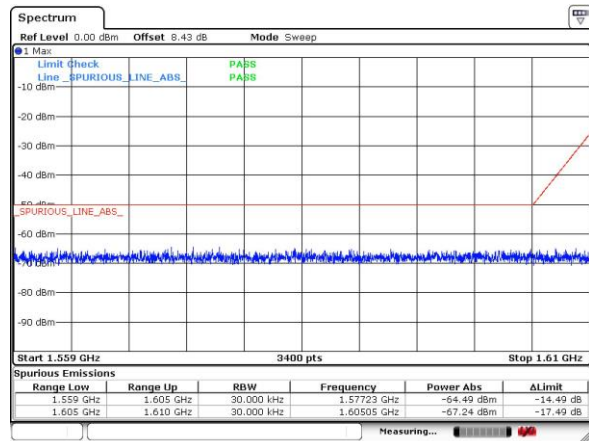
Date: 1.MAY.2024 01:14:55

Middle Channel / 1SC0 Carrier on



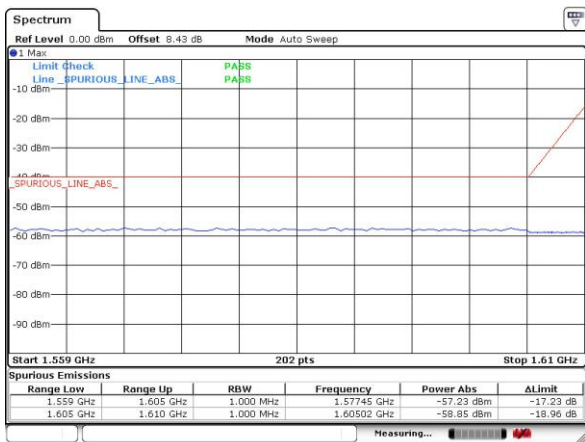
Date: 1.MAY.2024 01:10:37

Middle Channel / 1SC0 Discrete



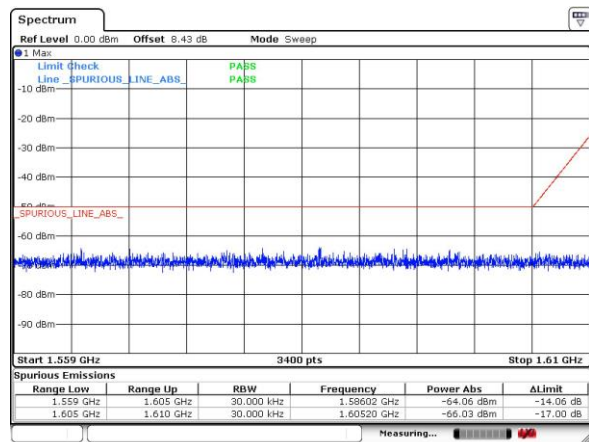
Date: 1.MAY.2024 01:11:26

Highest Channel / 1SC0 Carrier on



Date: 1.MAY.2024 01:07:12

Highest Channel / 1SC0 Discrete



Date: 1.MAY.2024 01:15:51