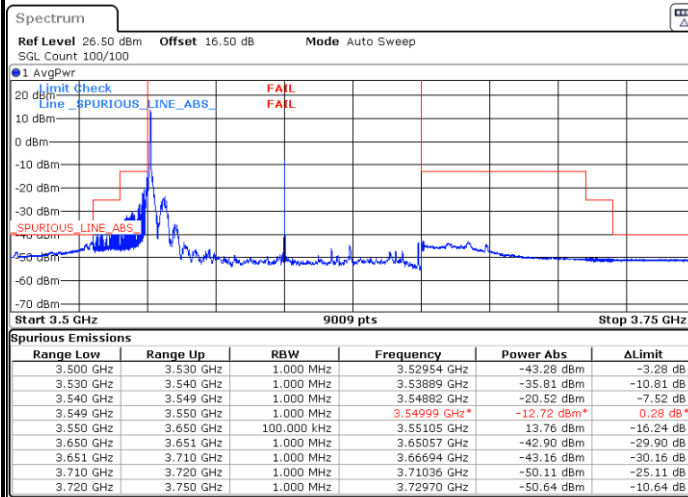




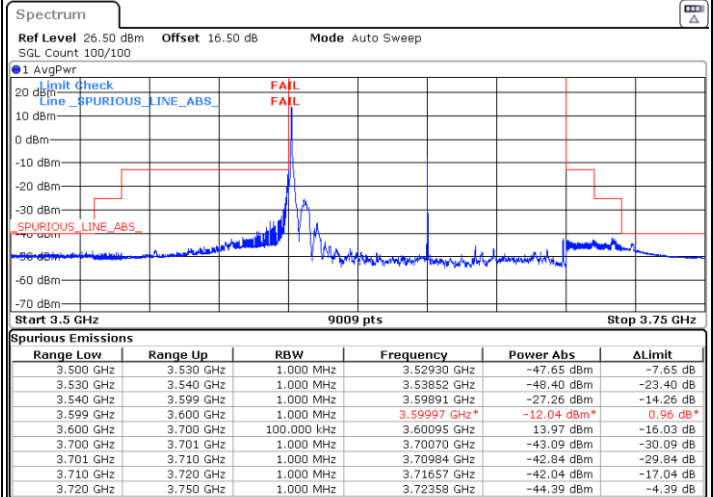
FR1 n78 / 100MHz / CP OFDM QPSK

Lowest Band Edge / 1 RB 0

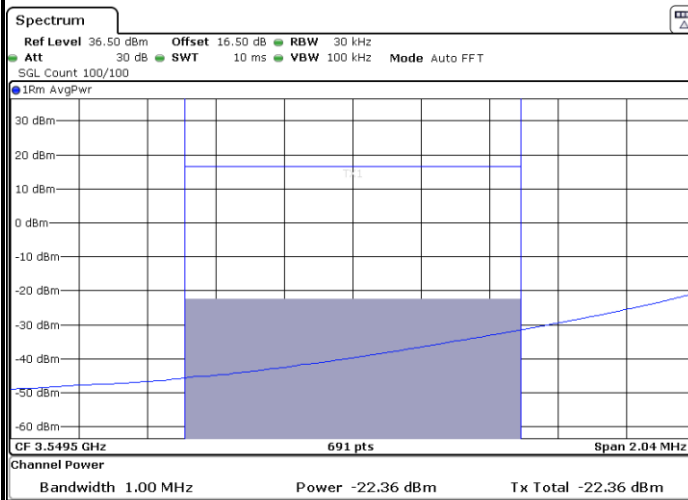


Date: 9.MAR.2023 06:25:03

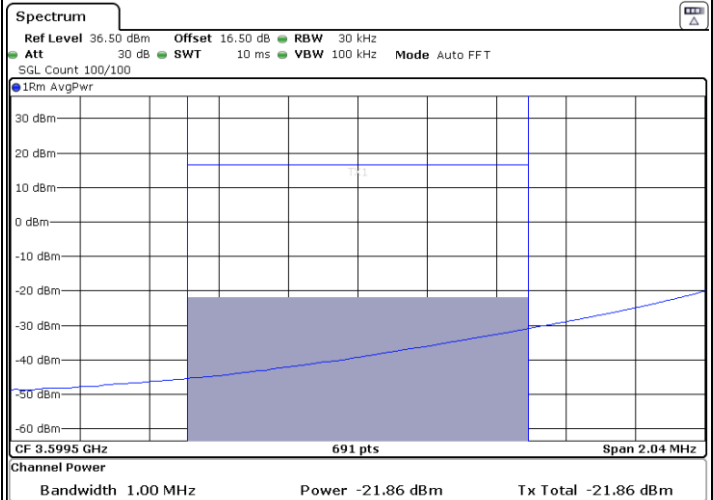
Highest Band Edge / 1 RB 0



Date: 9.MAR.2023 06:26:29



Date: 9.MAR.2023 06:38:33

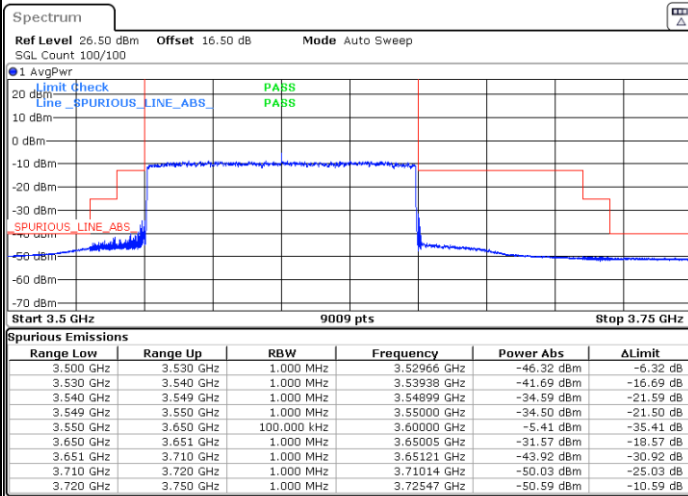


Date: 9.MAR.2023 06:35:03

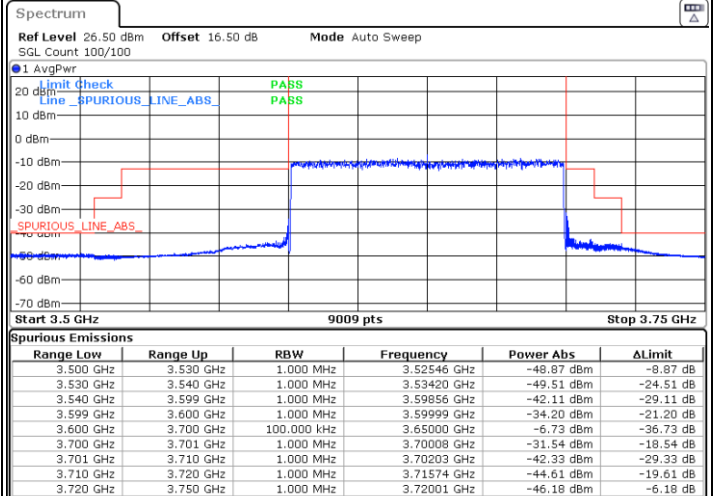


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.MAR.2023 06:21:14

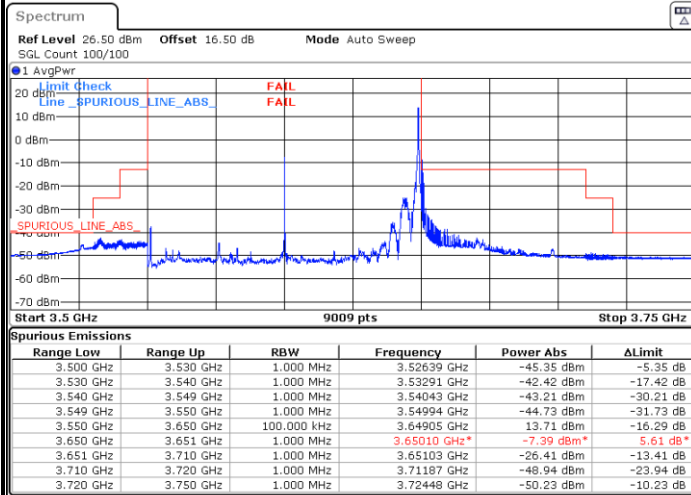


Date: 9.MAR.2023 06:30:58

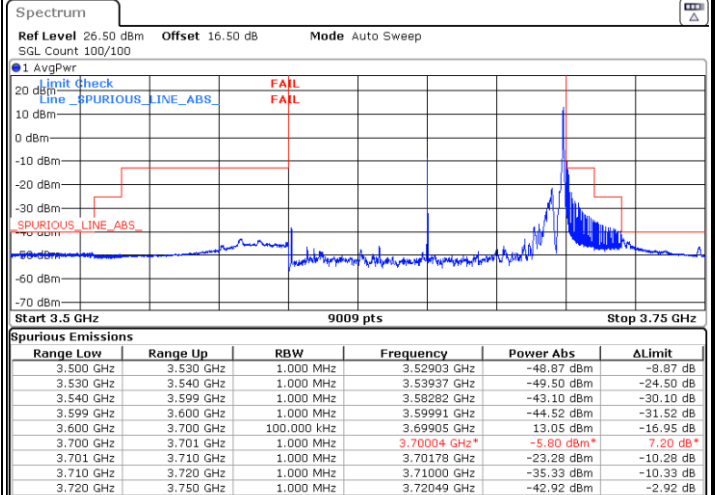


Lowest Band Edge / 1 RB MAX

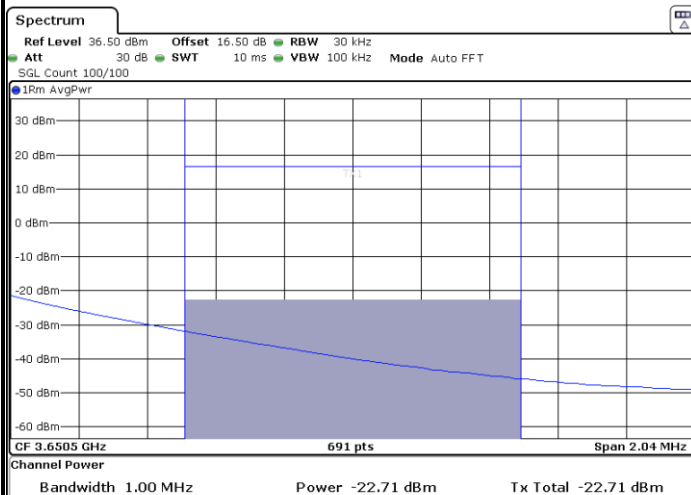
Highest Band Edge / 1 RB MAX



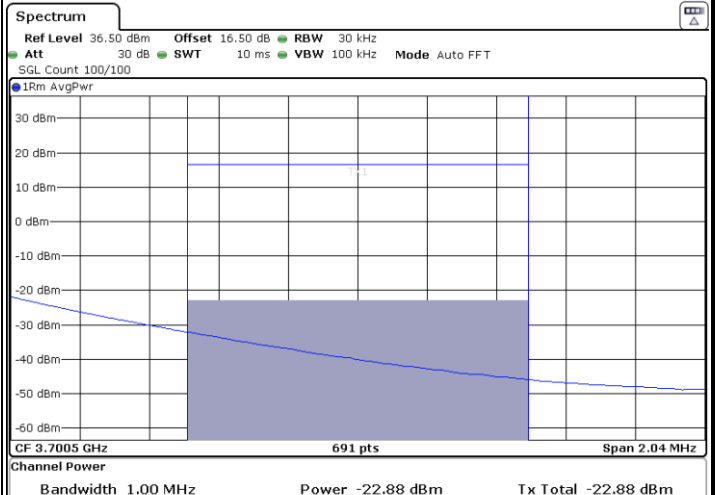
Date: 9.MAR.2023 06:22:14



Date: 9.MAR.2023 06:29:43



Date: 9.MAR.2023 06:39:03

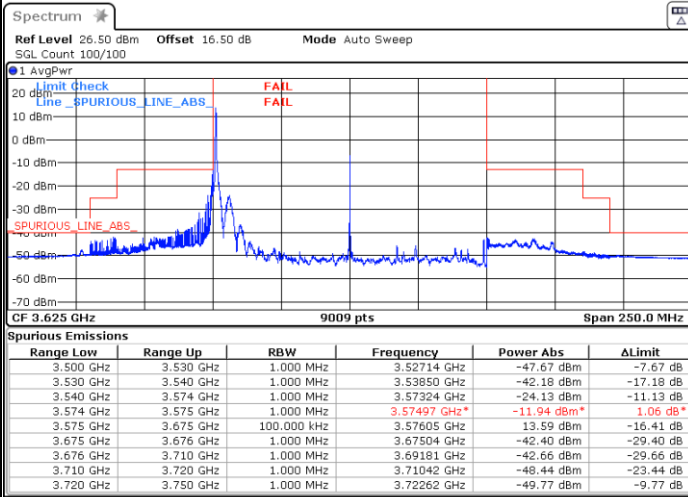


Date: 9.MAR.2023 06:35:30

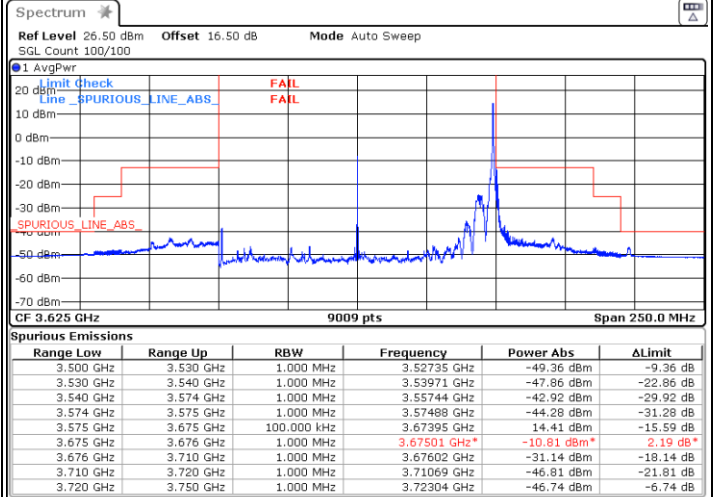


Middel Band Edge / 1 RB 0

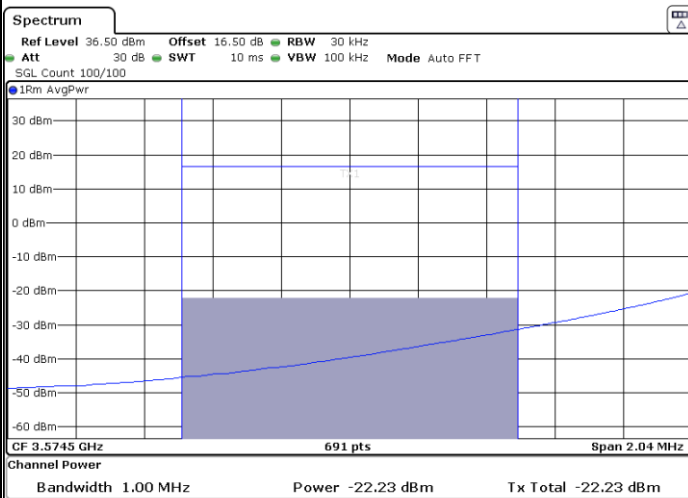
Middel Band Edge / 1 RB MAX



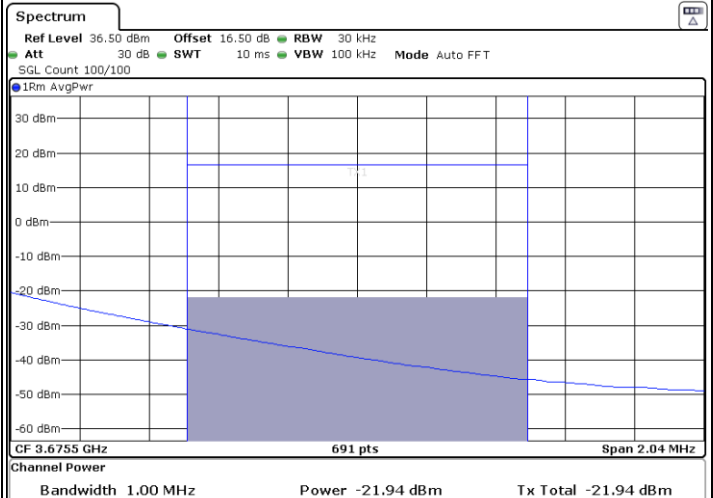
Date: 9.MAR.2023 06:13:11



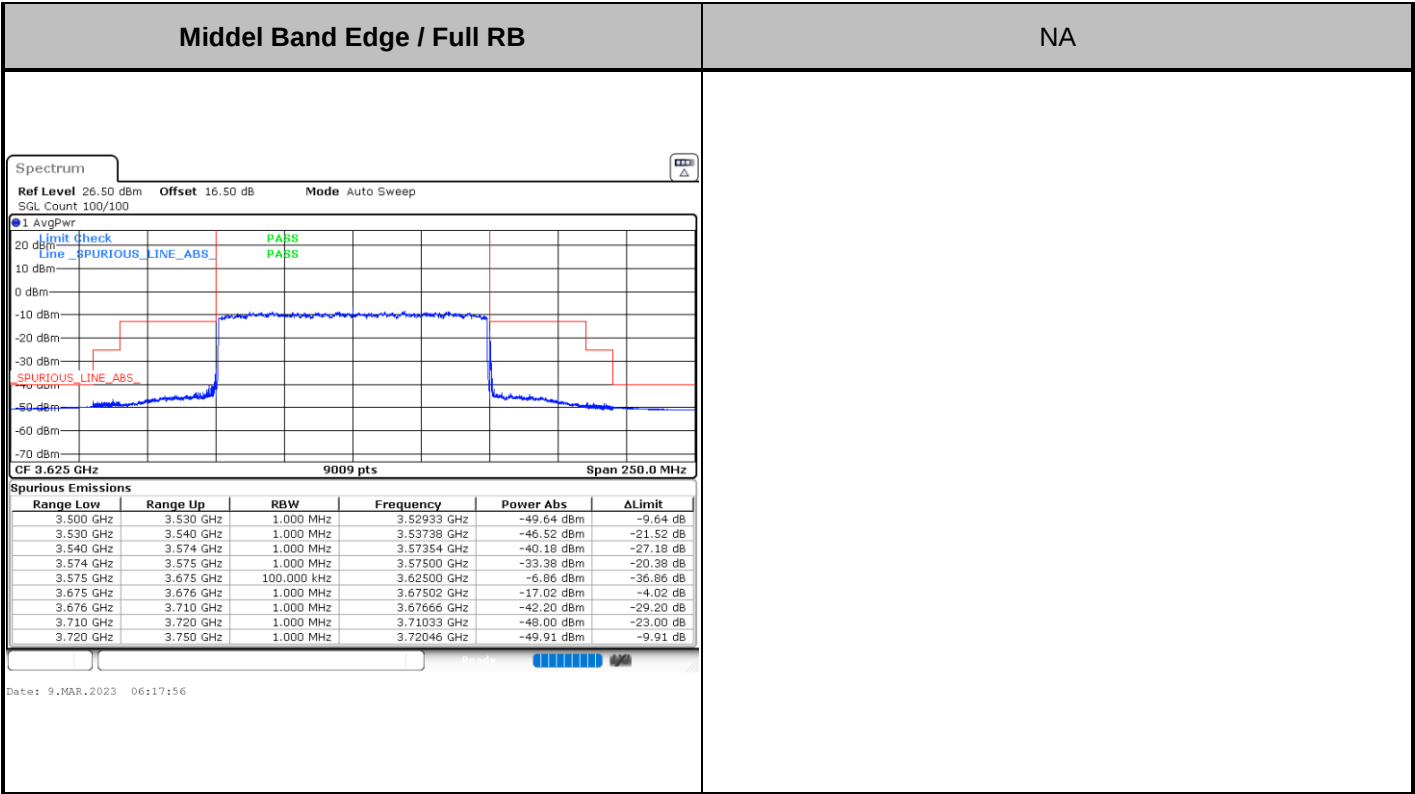
Date: 10.MAR.2023 02:25:57



Date: 9.MAR.2023 06:37:28



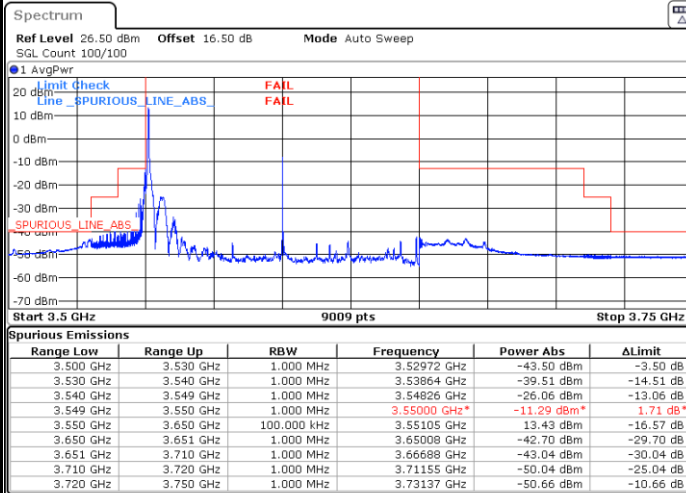
Date: 9.MAR.2023 06:36:48





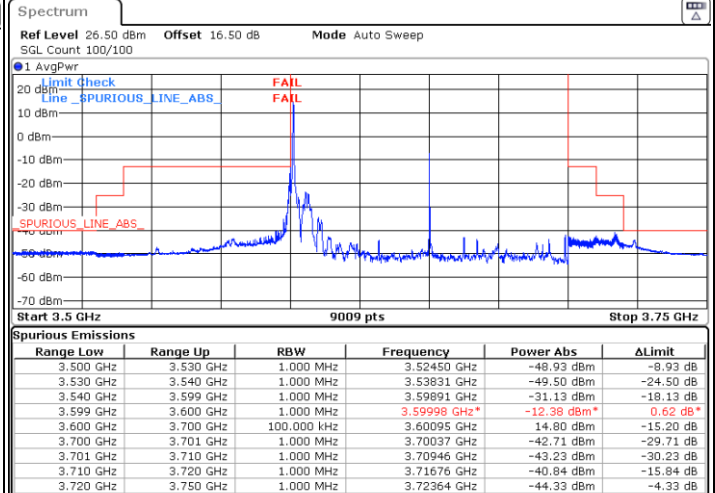
FR1 n78 / 100MHz / CP OFDM 16QAM

Lowest Band Edge / 1 RB 0

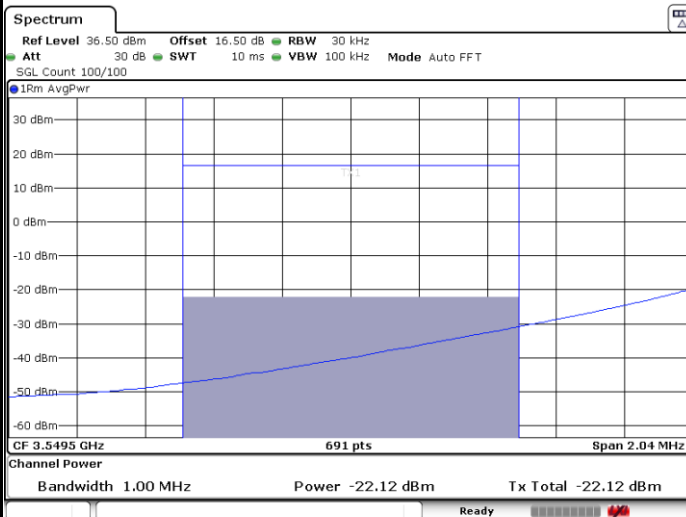


Date: 9.MAR.2023 06:24:06

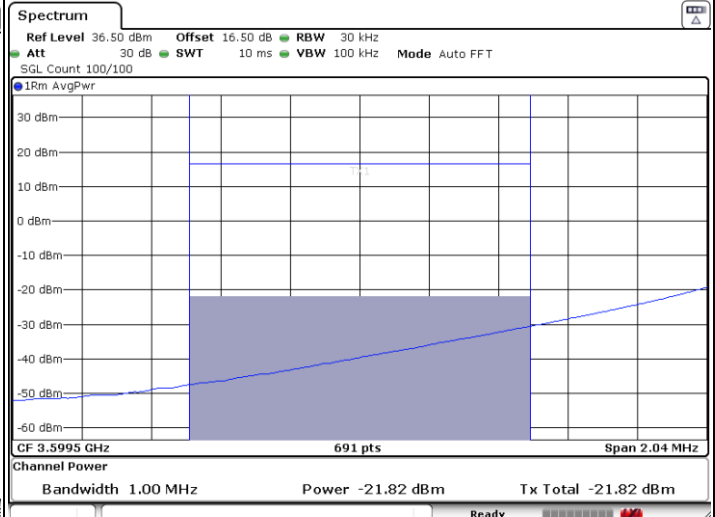
Highest Band Edge / 1 RB 0



Date: 9.MAR.2023 06:27:24



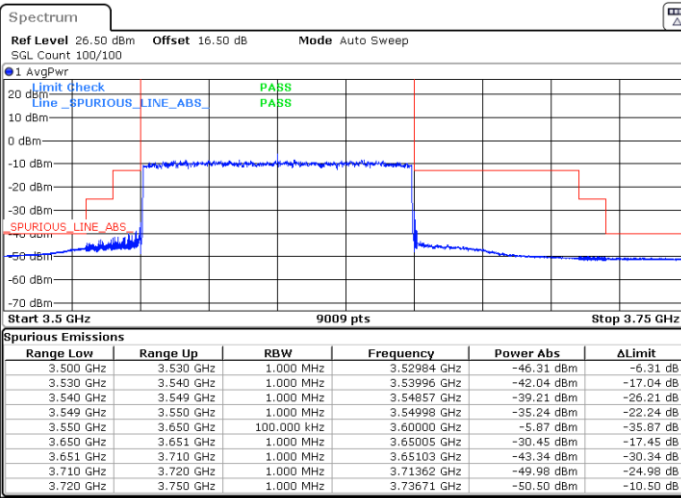
Date: 9.MAR.2023 06:38:13



Date: 9.MAR.2023 06:34:18

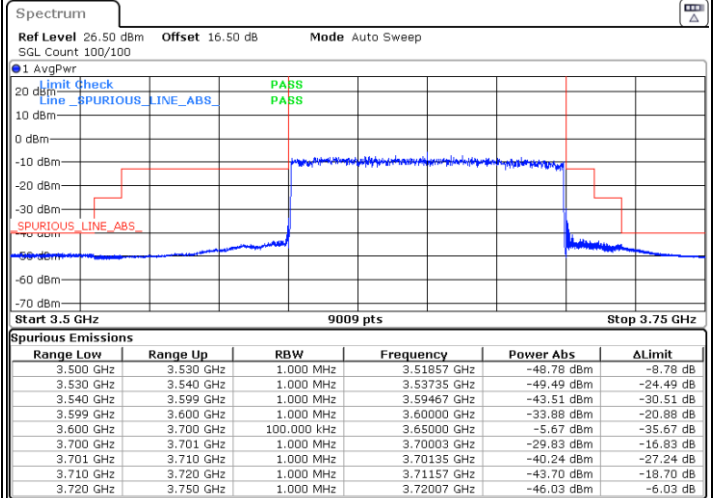


Lowest Band Edge / Full RB



Date: 9.MAR.2023 06:20:16

Highest Band Edge / Full RB

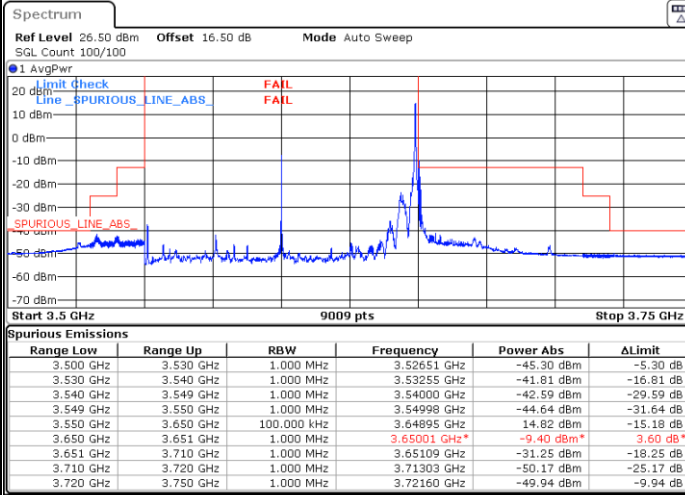


Date: 9.MAR.2023 06:31:50

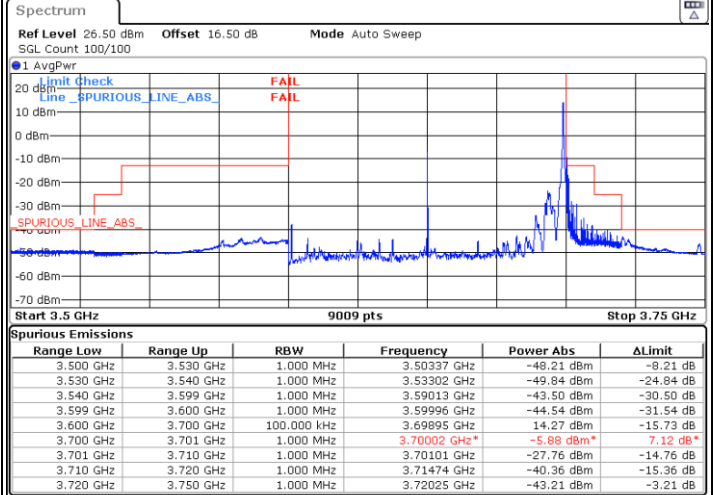


Lowest Band Edge / 1 RB MAX

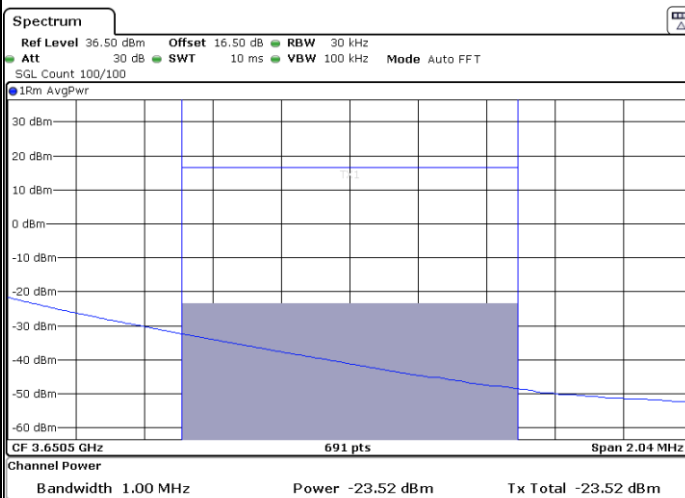
Highest Band Edge / 1 RB MAX



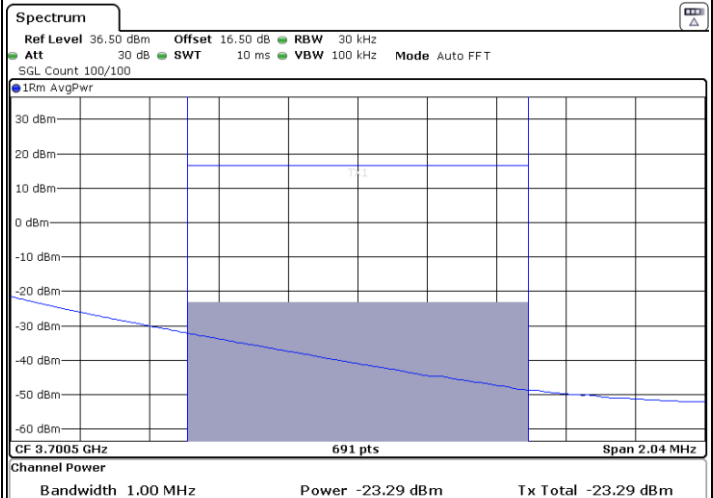
Date: 9.MAR.2023 06:23:10



Date: 9.MAR.2023 06:28:21



Date: 9.MAR.2023 06:39:30

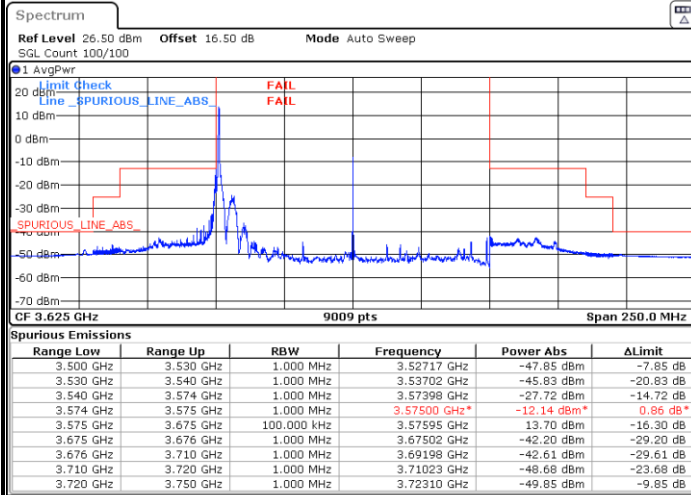


Date: 9.MAR.2023 06:35:48

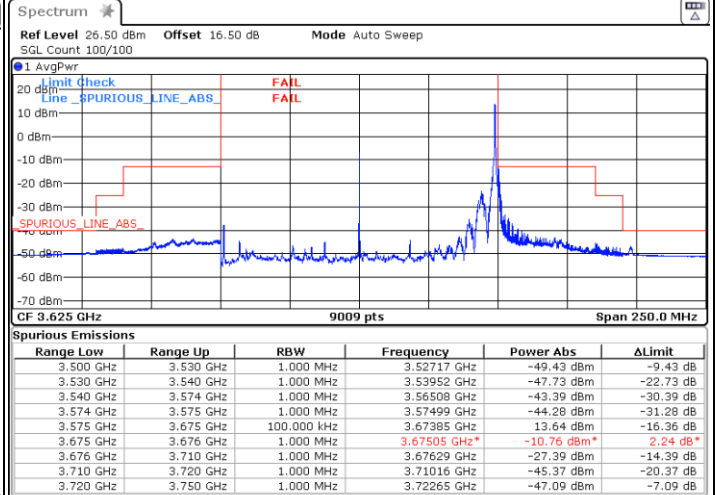


Middel Band Edge / 1 RB 0

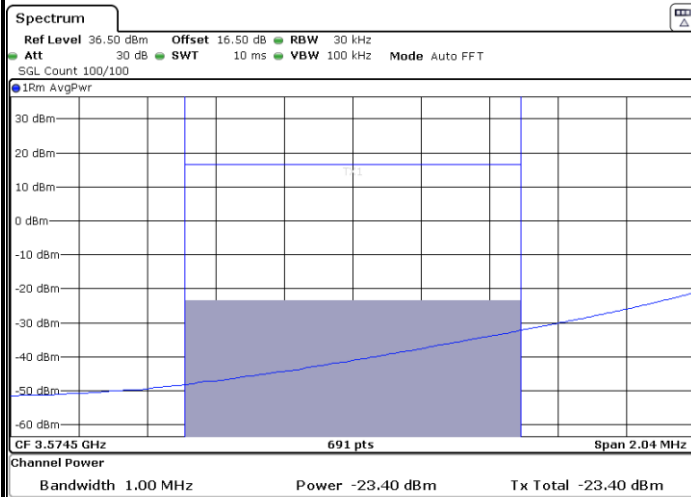
Middel Band Edge / 1 RB MAX



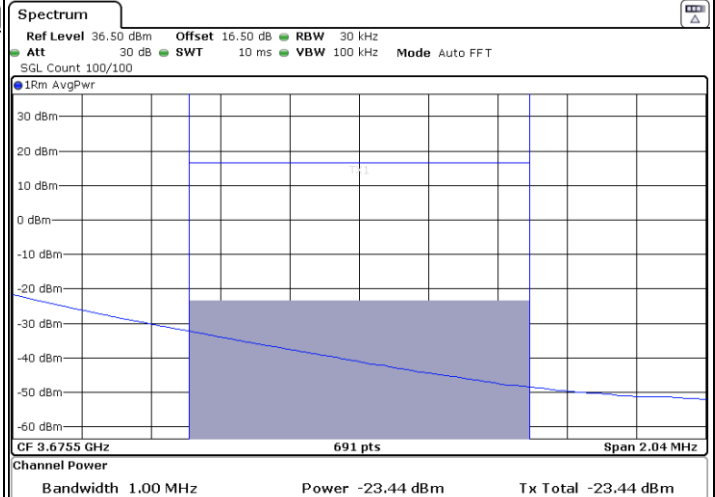
Date: 9.MAR.2023 06:14:20



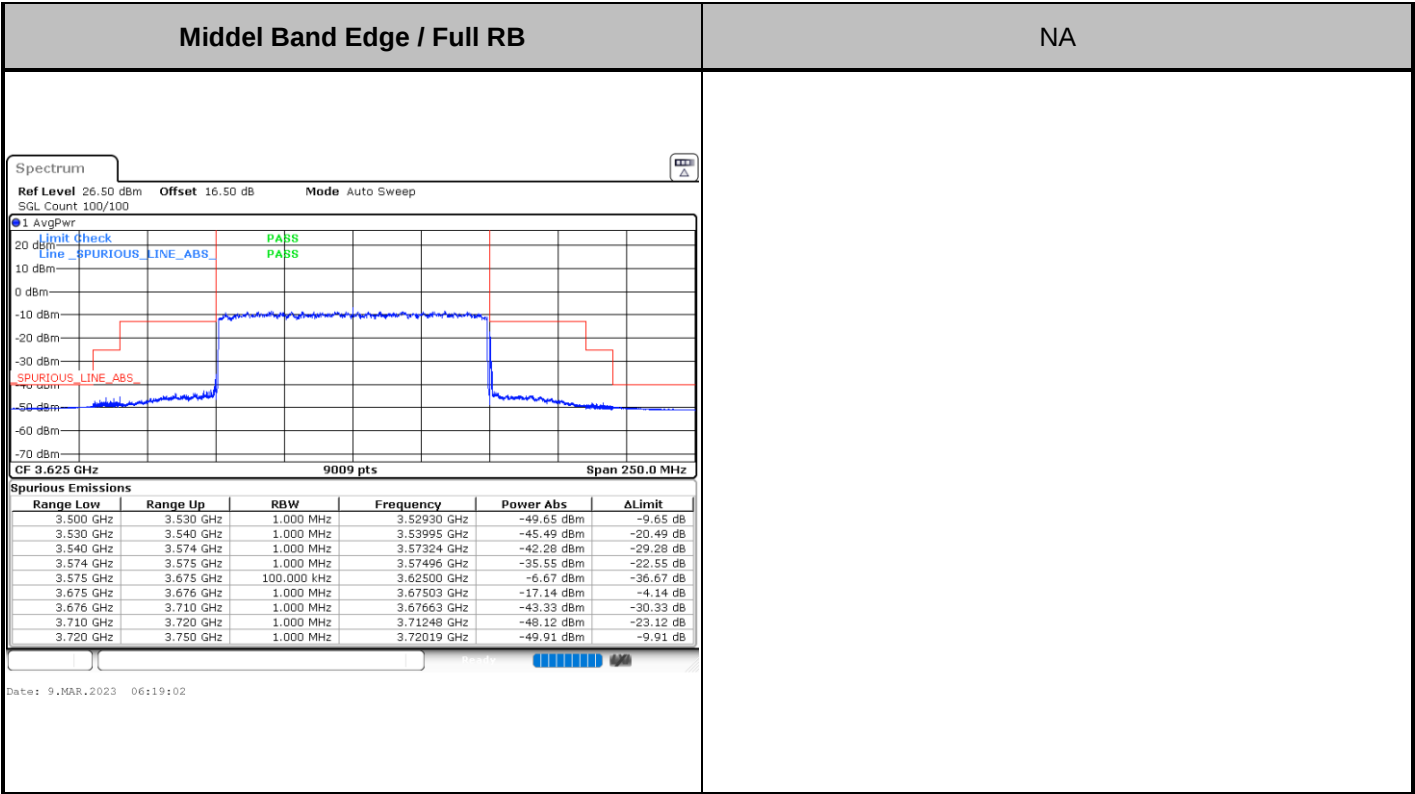
Date: 10.MAR.2023 02:24:34



Date: 9.MAR.2023 06:37:41



Date: 9.MAR.2023 06:36:26



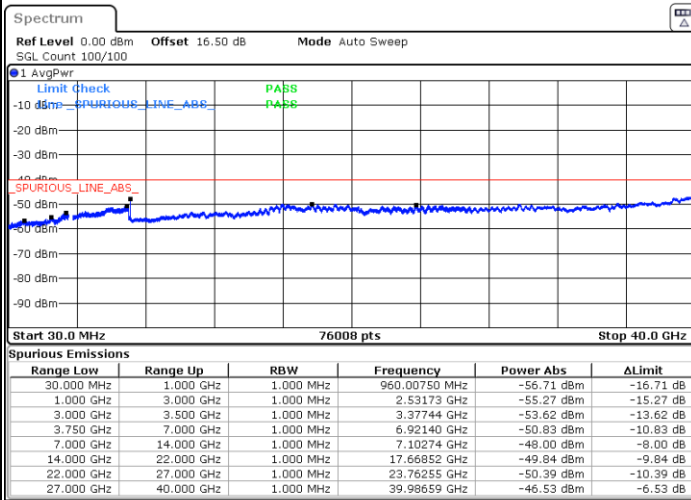


Conducted Spurious Emission

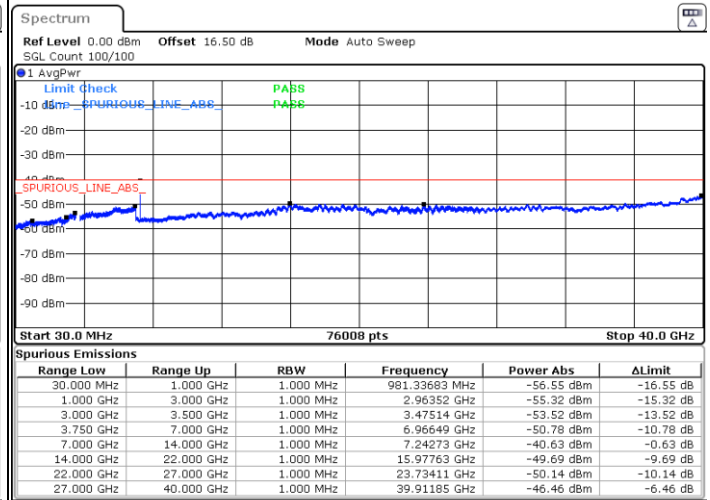
FR1 n78 / 10MHz / CP/ QPSK

Lowest Channel / 1RB

Middle Channel / 1RB



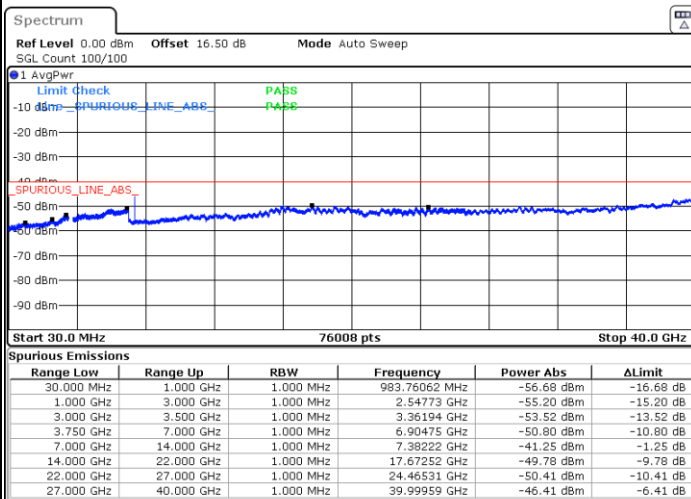
Date: 20.MAR.2023 23:19:59



Date: 20.MAR.2023 23:13:09

Highest Channel / 1RB

NA

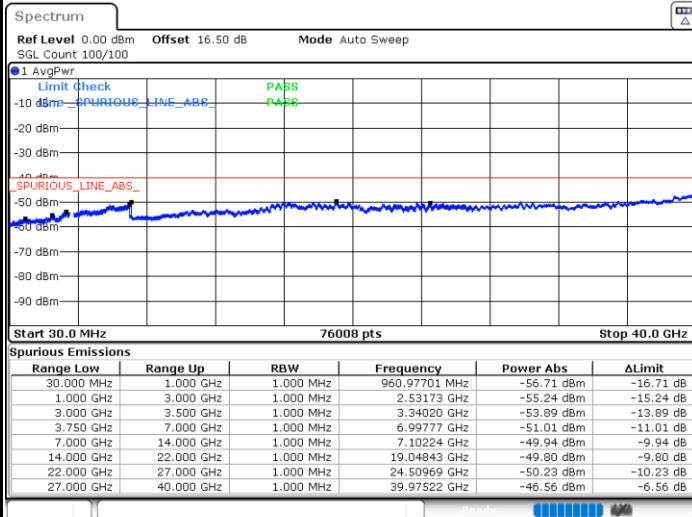


Date: 20.MAR.2023 23:10:33



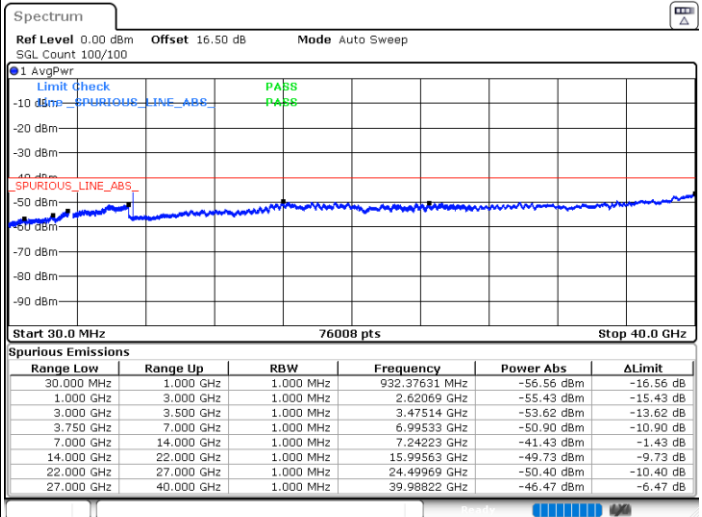
FR1 n78 / 10MHz / CP / 16QAM

Lowest Channel / 1RB



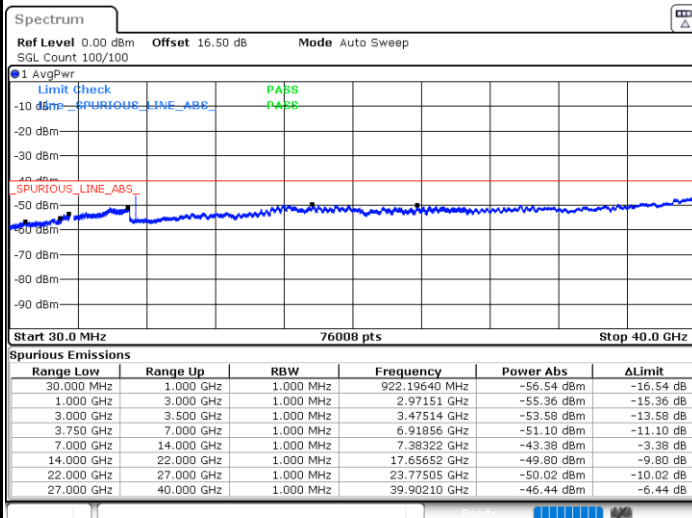
Date: 20.MAR.2023 23:17:49

Middle Channel / 1RB



Date: 20.MAR.2023 23:14:40

Highest Channel / 1RB



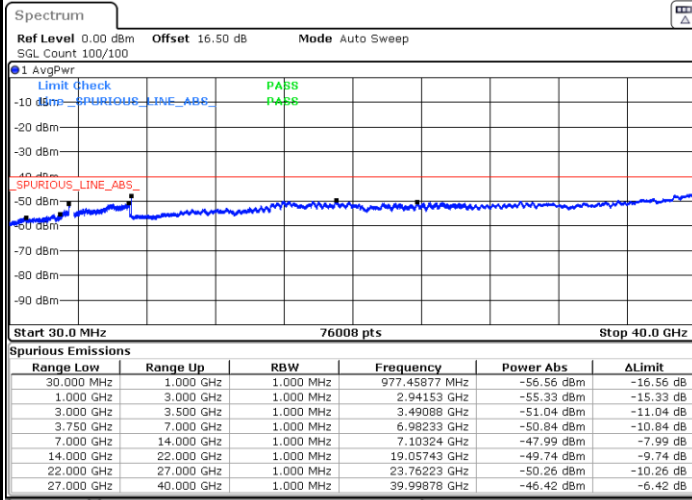
Date: 20.MAR.2023 23:07:37

NA



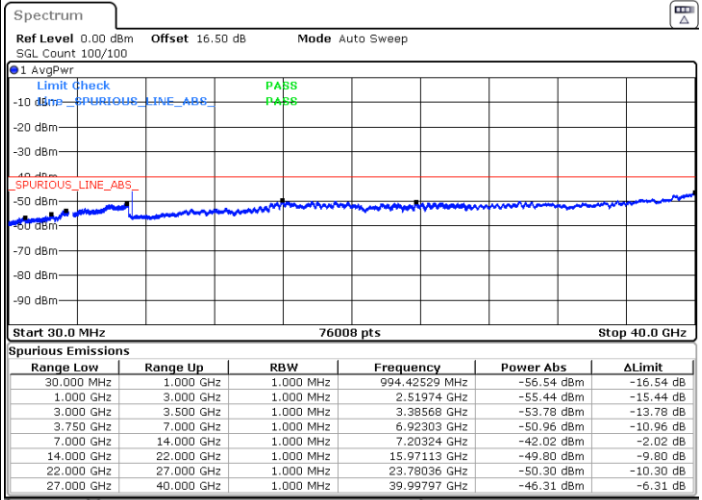
FR1 n78 / 50MHz / CP / QPSK

Lowest Channel / 1RB



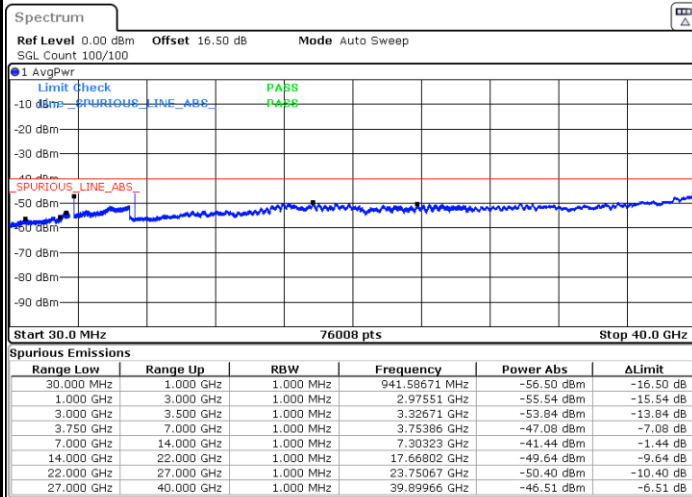
Date: 20.MAR.2023 23:22:11

Middle Channel / 1RB



Date: 20.MAR.2023 23:40:45

Highest Channel / 1RB



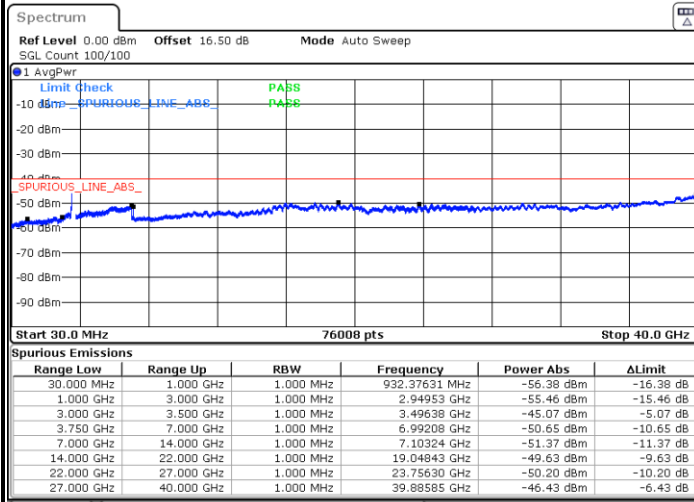
Date: 20.MAR.2023 23:43:54

NA



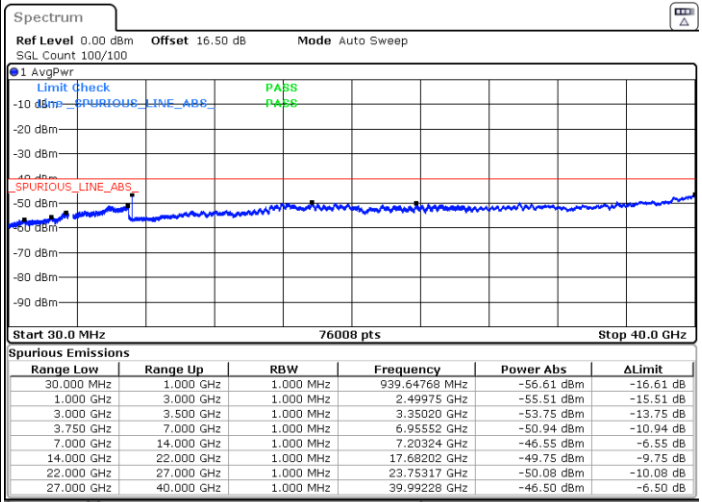
FR1 n78 / 50MHz / CP / 16QAM

Lowest Channel / 1RB



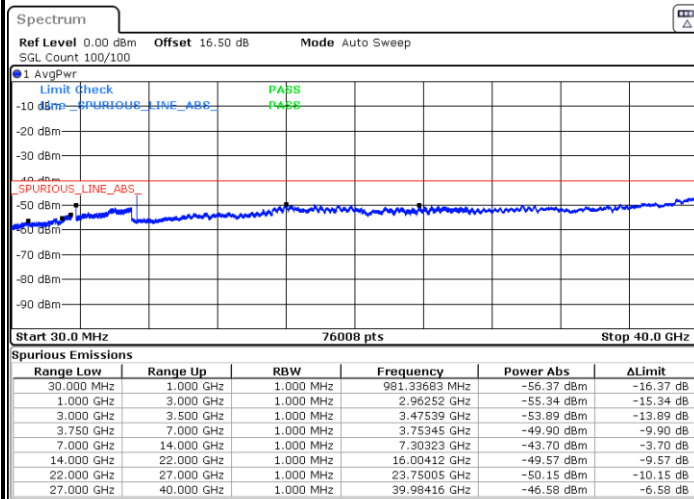
Date: 20.MAR.2023 23:23:34

Middle Channel / 1RB



Date: 20.MAR.2023 23:24:54

Highest Channel / 1RB



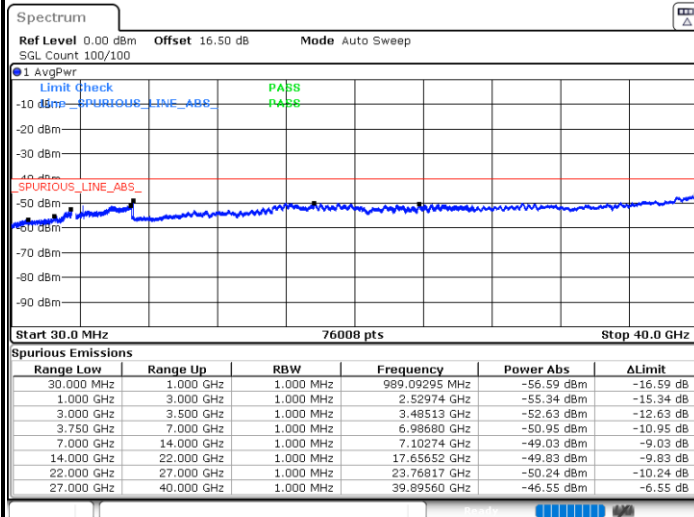
Date: 20.MAR.2023 23:46:58

NA



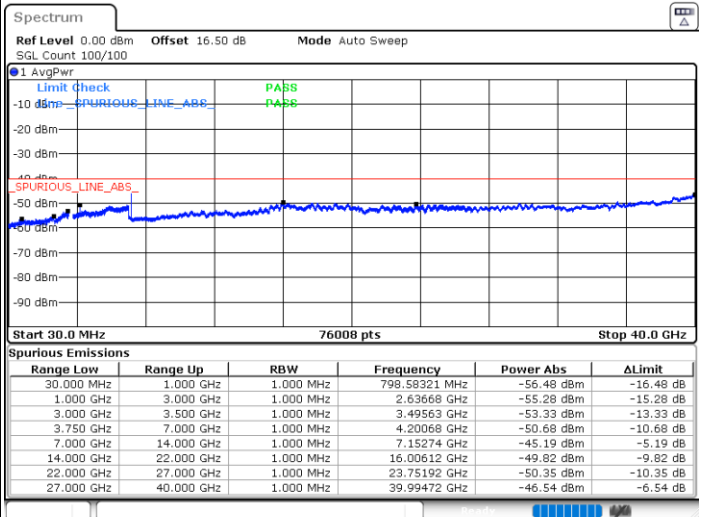
FR1 n78 / 100MHz / CP / QPSK

Lowest Channel / 1RB



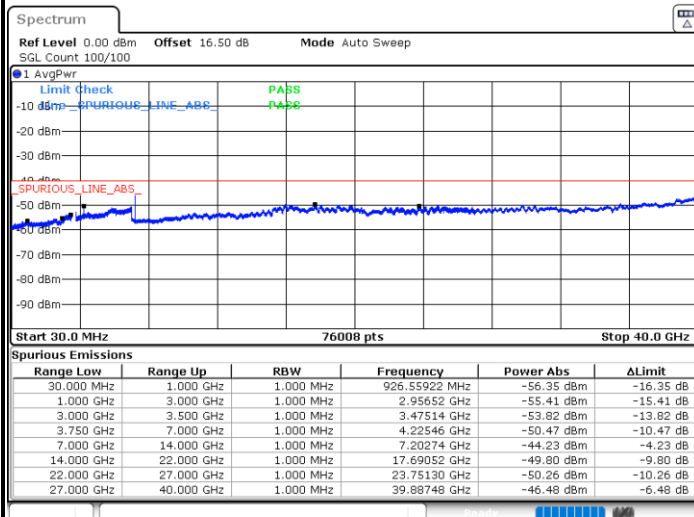
Date: 21.MAR.2023 00:57:56

Middle Channel / 1RB



Date: 21.MAR.2023 01:04:23

Highest Channel / 1RB



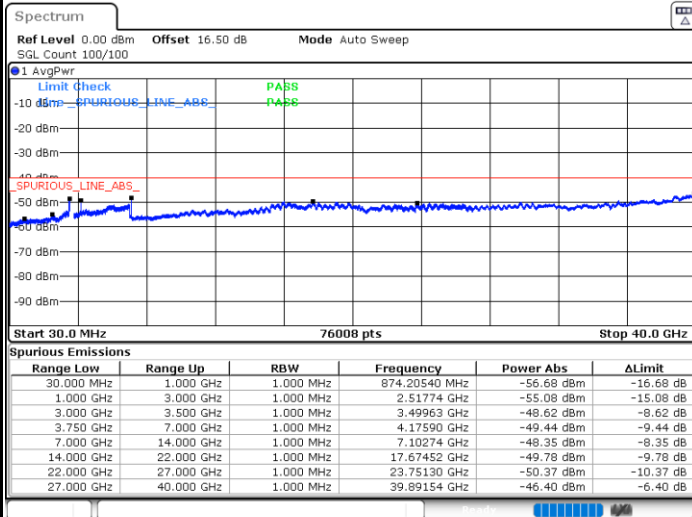
Date: 21.MAR.2023 01:06:06

NA



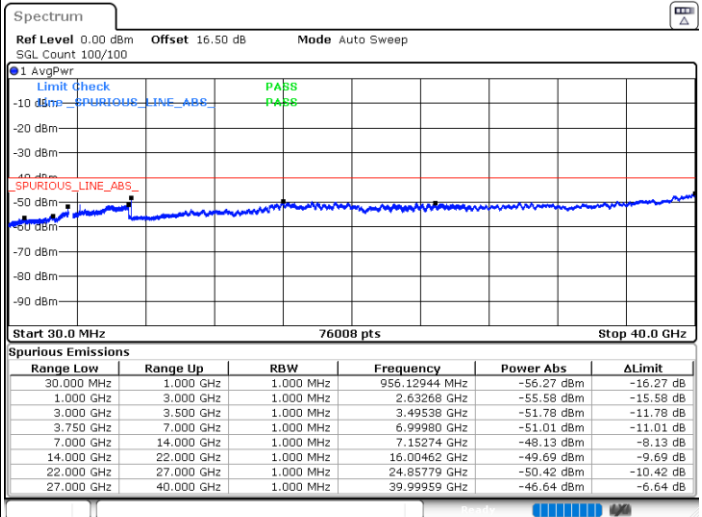
FR1 n78 / 100MHz / CP / 16QAM

Lowest Channel / 1RB



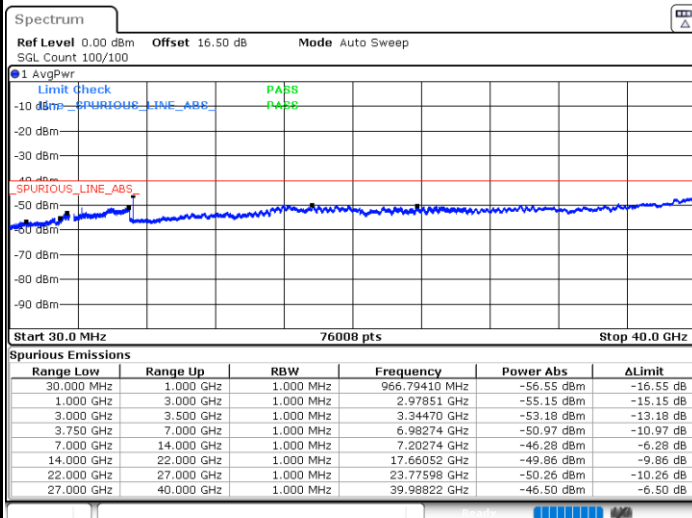
Date: 21.MAR.2023 01:00:48

Middle Channel / 1RB



Date: 21.MAR.2023 01:02:49

Highest Channel / 1RB



Date: 21.MAR.2023 01:07:27

NA

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	22~25°C
		Relative Humidity :	48~52%

SA n48 / NR 100MHz / QPSK / ANT 0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7116	-62.95	-40	-22.95	-74.41	2.84	14.30	H
	10656	-60.42	-40	-20.42	-70.36	3.49	13.43	H
	14220	-57.66	-40	-17.66	-67.90	3.85	14.09	H
	7116	-63.25	-40	-23.25	-74.71	2.84	14.30	V
	10656	-60.68	-40	-20.68	-70.62	3.49	13.43	V
	14220	-58.21	-40	-18.21	-68.45	3.85	14.09	V
Middle	7164	-62.67	-40	-22.67	-74.13	2.84	14.30	H
	10740	-60.79	-40	-20.79	-70.73	3.49	13.43	H
	14316	-59.29	-40	-19.29	-69.53	3.85	14.09	H
	7164	-62.24	-40	-22.24	-73.70	2.84	14.30	V
	10740	-60.96	-40	-20.96	-70.90	3.49	13.43	V
	14316	-59.31	-40	-19.31	-69.55	3.85	14.09	V
High	7212	-62.44	-40	-22.44	-73.90	2.84	14.30	H
	10812	-60.39	-40	-20.39	-70.33	3.49	13.43	H
	14424	-59.84	-40	-19.84	-70.08	3.85	14.09	H
	7212	-62.47	-40	-22.47	-73.93	2.84	14.30	V
	10812	-60.02	-40	-20.02	-69.96	3.49	13.43	V
	14424	-59.66	-40	-19.66	-69.90	3.85	14.09	V

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

EN-DC_13A_n48A / LTE 10MHz + NR 100MHz / QPSK / ANT7 (LTE) & ANT0(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7116	-64.00	-40	-24.00	-75.46	2.84	14.30	H
	10668	-61.76	-40	-21.76	-71.70	3.49	13.43	H
	14220	-59.00	-40	-19.00	-69.24	3.85	14.09	H
	7116	-63.90	-40	-23.90	-75.36	2.84	14.30	V
	10668	-61.35	-40	-21.35	-71.29	3.49	13.43	V
	14220	-59.26	-40	-19.26	-69.50	3.85	14.09	V
Middle	7164	-63.50	-40	-23.50	-74.96	2.84	14.30	H
	10740	-61.97	-40	-21.97	-71.91	3.49	13.43	H
	14316	-60.24	-40	-20.24	-70.48	3.85	14.09	H
	7164	-63.95	-40	-23.95	-75.41	2.84	14.30	V
	10740	-61.90	-40	-21.90	-71.84	3.49	13.43	V
	14316	-60.48	-40	-20.48	-70.72	3.85	14.09	V
High	7212	-63.17	-40	-23.17	-74.63	2.84	14.30	H
	10812	-60.94	-40	-20.94	-70.88	3.49	13.43	H
	14424	-60.71	-40	-20.71	-70.95	3.85	14.09	H
	7212	-63.00	-40	-23.00	-74.46	2.84	14.30	V
	10812	-61.35	-40	-21.35	-71.29	3.49	13.43	V
	14424	-60.17	-40	-20.17	-70.41	3.85	14.09	V

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

SA n48 UL_MIMO / NR 100MHz / QPSK / ANT 0+6								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7116	-63.75	-40	-23.75	-75.21	2.84	14.30	H
	10668	-61.22	-40	-21.22	-71.16	3.49	13.43	H
	14220	-57.76	-40	-17.76	-68.00	3.85	14.09	H
	7116	-64.38	-40	-24.38	-75.84	2.84	14.30	V
	10668	-62.07	-40	-22.07	-72.01	3.49	13.43	V
	14220	-58.38	-40	-18.38	-68.62	3.85	14.09	V
Middle	7164	-63.68	-40	-23.68	-75.14	2.84	14.30	H
	10740	-61.41	-40	-21.41	-71.35	3.49	13.43	H
	14316	-60.43	-40	-20.43	-70.67	3.85	14.09	H
	7164	-63.53	-40	-23.53	-74.99	2.84	14.30	V
	10740	-61.73	-40	-21.73	-71.67	3.49	13.43	V
	14316	-60.36	-40	-20.36	-70.60	3.85	14.09	V
High	7212	-63.72	-40	-23.72	-75.18	2.84	14.30	H
	10812	-61.28	-40	-21.28	-71.22	3.49	13.43	H
	14424	-60.50	-40	-20.50	-70.74	3.85	14.09	H
	7212	-63.73	-40	-23.73	-75.19	2.84	14.30	V
	10812	-61.47	-40	-21.47	-71.41	3.49	13.43	V
	14424	-60.10	-40	-20.10	-70.34	3.85	14.09	V

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

SA n78 / NR 100MHz / QPSK / ANT 0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7116	-64.33	-40	-24.33	-75.79	2.84	14.30	H
	10668	-61.92	-40	-21.92	-71.86	3.49	13.43	H
	14220	-58.58	-40	-18.58	-68.82	3.85	14.09	H
	7116	-64.18	-40	-24.18	-75.64	2.84	14.30	V
	10668	-62.03	-40	-22.03	-71.97	3.49	13.43	V
	14220	-59.48	-40	-19.48	-69.72	3.85	14.09	V
Middle	7164	-63.97	-40	-23.97	-75.43	2.84	14.30	H
	10740	-61.94	-40	-21.94	-71.88	3.49	13.43	H
	14316	-60.74	-40	-20.74	-70.98	3.85	14.09	H
	7164	-63.88	-40	-23.88	-75.34	2.84	14.30	V
	10740	-62.28	-40	-22.28	-72.22	3.49	13.43	V
	14316	-60.60	-40	-20.60	-70.84	3.85	14.09	V
High	7212	-63.03	-40	-23.03	-74.49	2.84	14.30	H
	10812	-61.47	-40	-21.47	-71.41	3.49	13.43	H
	14424	-60.42	-40	-20.42	-70.66	3.85	14.09	H
	7212	-63.13	-40	-23.13	-74.59	2.84	14.30	V
	10812	-61.32	-40	-21.32	-71.26	3.49	13.43	V
	14424	-59.98	-40	-19.98	-70.22	3.85	14.09	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT7 (LTE) & ANT0(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7110	-63.97	-40	-23.97	-75.43	2.84	14.30	H
	10668	-61.45	-40	-21.45	-71.39	3.49	13.43	H
	14220	-59.10	-40	-19.10	-69.34	3.85	14.09	H
	7110	-63.87	-40	-23.87	-75.33	2.84	14.30	V
	10668	-61.82	-40	-21.82	-71.76	3.49	13.43	V
	14220	-60.40	-40	-20.40	-70.64	3.85	14.09	V
Middle	7158	-63.23	-40	-23.23	-74.69	2.84	14.30	H
	10740	-61.24	-40	-21.24	-71.18	3.49	13.43	H
	14322	-60.82	-40	-20.82	-71.06	3.85	14.09	H
	7158	-63.96	-40	-23.96	-75.42	2.84	14.30	V
	10740	-61.34	-40	-21.34	-71.28	3.49	13.43	V
	14322	-60.60	-40	-20.60	-70.84	3.85	14.09	V
High	7212	-63.38	-40	-23.38	-74.84	2.84	14.30	H
	10812	-61.25	-40	-21.25	-71.19	3.49	13.43	H
	14418	-61.14	-40	-21.14	-71.38	3.85	14.09	H
	7212	-63.35	-40	-23.35	-74.81	2.84	14.30	V
	10812	-61.62	-40	-21.62	-71.56	3.49	13.43	V
	14418	-61.33	-40	-21.33	-71.57	3.85	14.09	V

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

SA n78 UL_MIMO / NR 100MHz / QPSK / ANT 0+6								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	7176	-62.80	-40	-22.80	-74.26	2.84	14.30	H
	10776	-60.54	-40	-20.54	-70.48	3.49	13.43	H
	14364	-59.65	-40	-19.65	-69.89	3.85	14.09	H
	7176	-63.07	-40	-23.07	-74.53	2.84	14.30	V
	10776	-60.67	-40	-20.67	-70.61	3.49	13.43	V
	14364	-59.53	-40	-19.53	-69.77	3.85	14.09	V
Middle	7164	-63.97	-40	-23.97	-75.43	2.84	14.30	H
	10740	-62.56	-40	-22.56	-72.50	3.49	13.43	H
	14316	-61.16	-40	-21.16	-71.40	3.85	14.09	H
	7164	-63.78	-40	-23.78	-75.24	2.84	14.30	V
	10740	-62.31	-40	-22.31	-72.25	3.49	13.43	V
	14316	-61.15	-40	-21.15	-71.39	3.85	14.09	V
High	7212	-63.71	-40	-23.71	-75.17	2.84	14.30	H
	10812	-61.71	-40	-21.71	-71.65	3.49	13.43	H
	14424	-60.60	-40	-20.60	-70.84	3.85	14.09	H
	7212	-63.82	-40	-23.82	-75.28	2.84	14.30	V
	10812	-61.81	-40	-21.81	-71.75	3.49	13.43	V
	14424	-60.59	-40	-20.59	-70.83	3.85	14.09	V

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