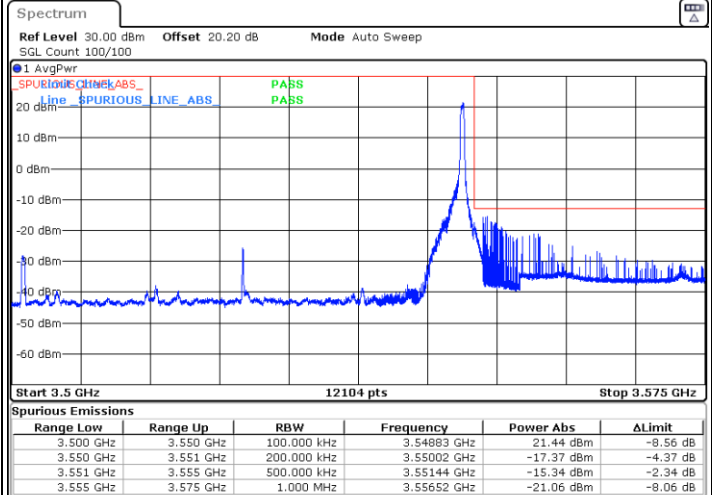
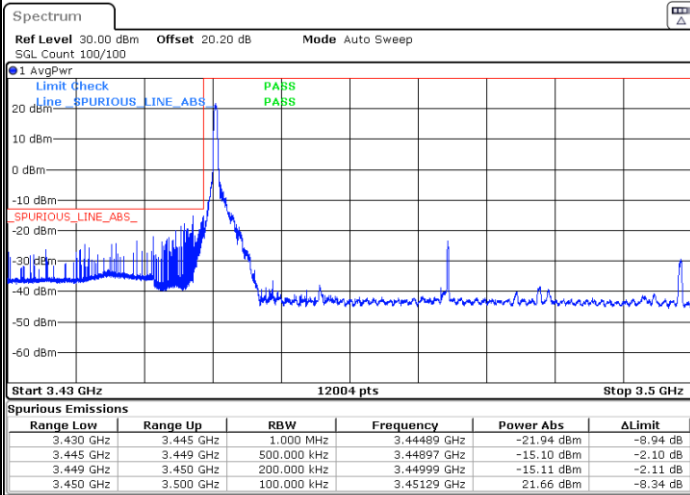




FR1 n78 / 50MHz / DFT-S OFDM /16QAAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

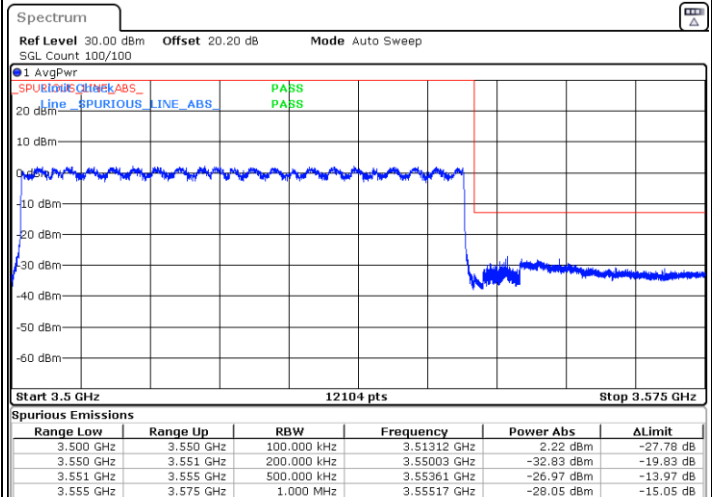
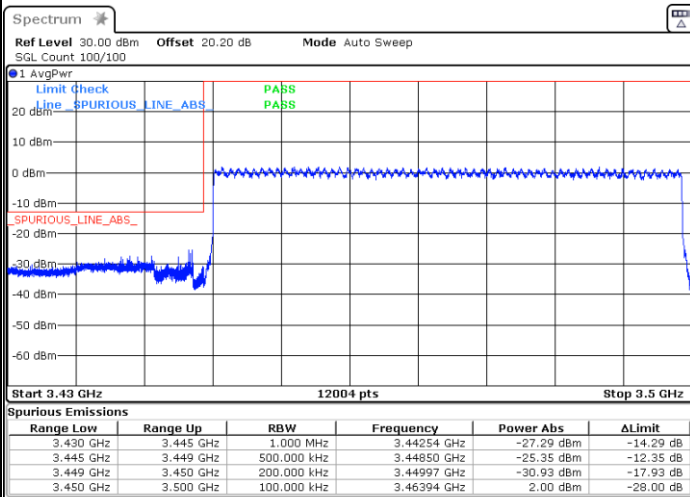


Date: 13.FEB.2023 10:34:29

Date: 13.FEB.2023 10:53:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2023 10:35:47

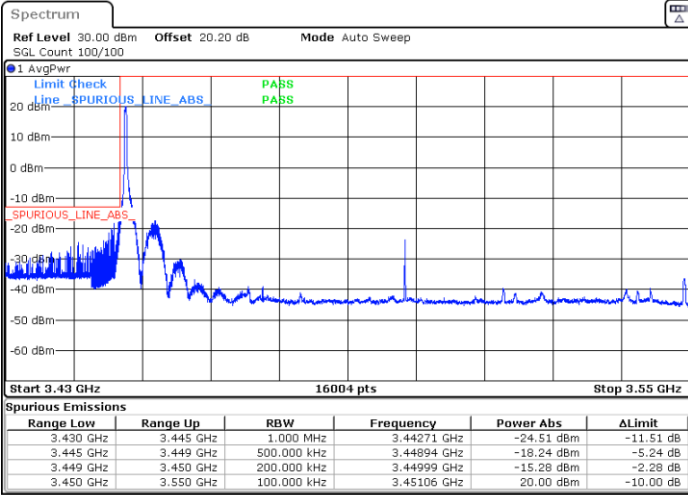
Date: 13.FEB.2023 10:52:14



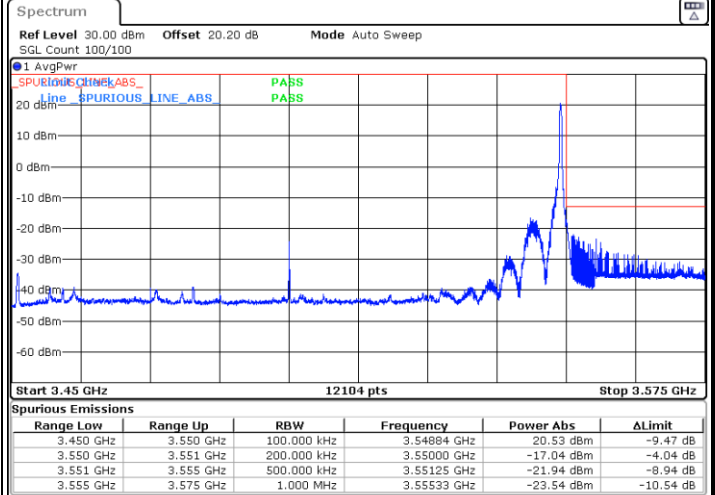
FR1 n78 / 100MHz / DFT-S OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



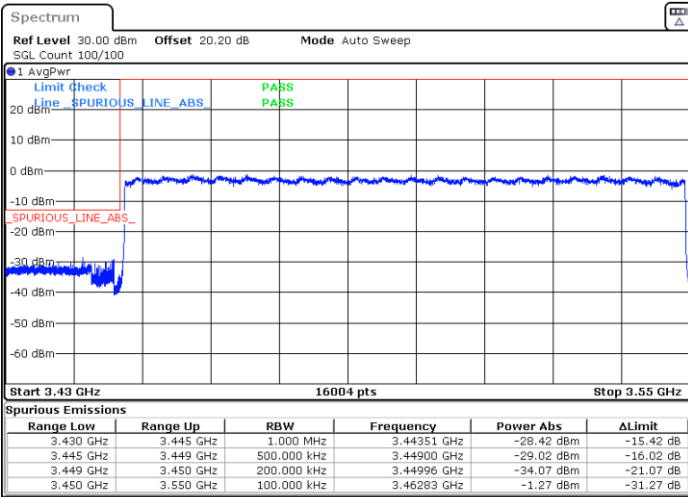
Date: 13.FEB.2023 10:55:08



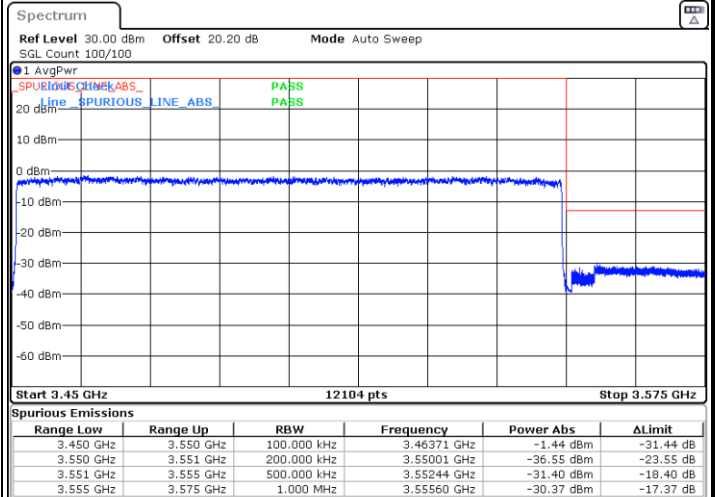
Date: 13.FEB.2023 11:07:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2023 10:57:50



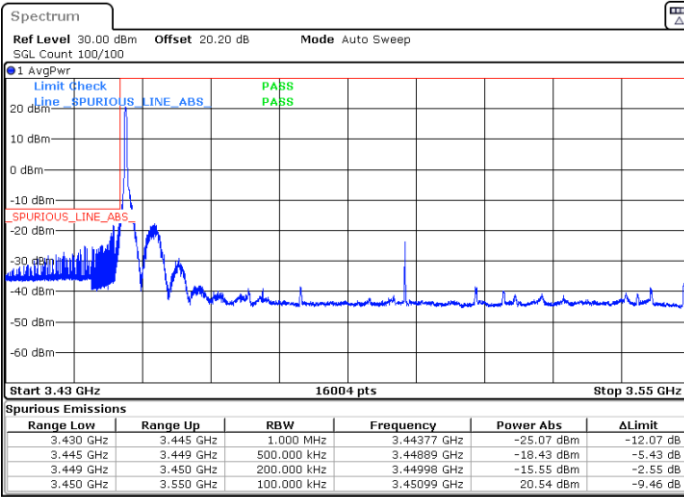
Date: 13.FEB.2023 11:04:29



FR1 n78 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

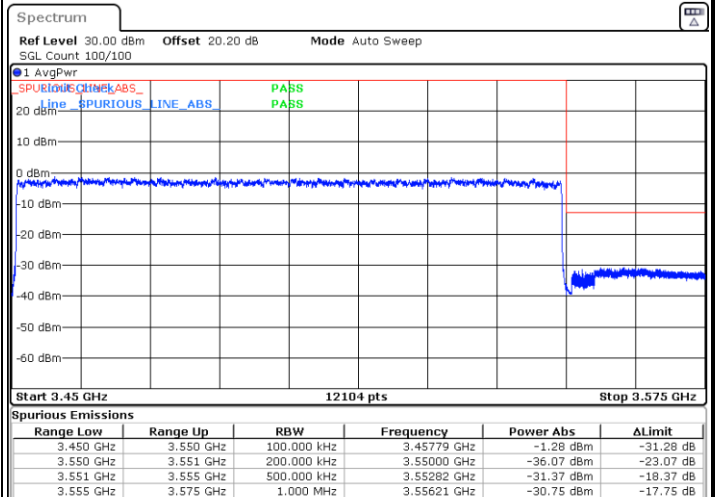
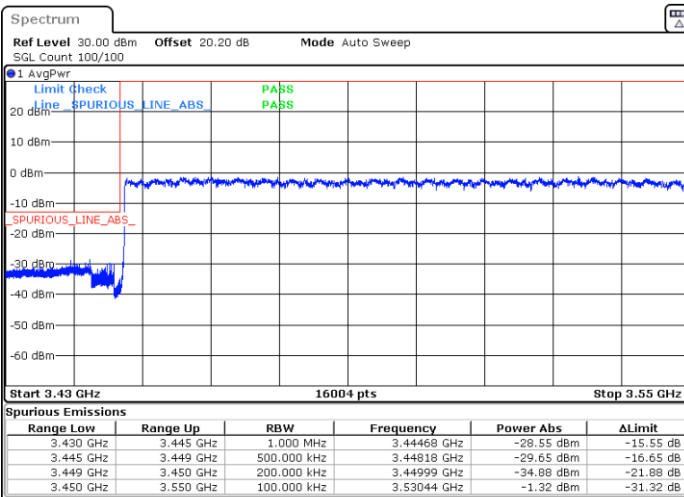


Date: 13.FEB.2023 10:55:59

Date: 13.FEB.2023 11:08:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2023 10:56:52

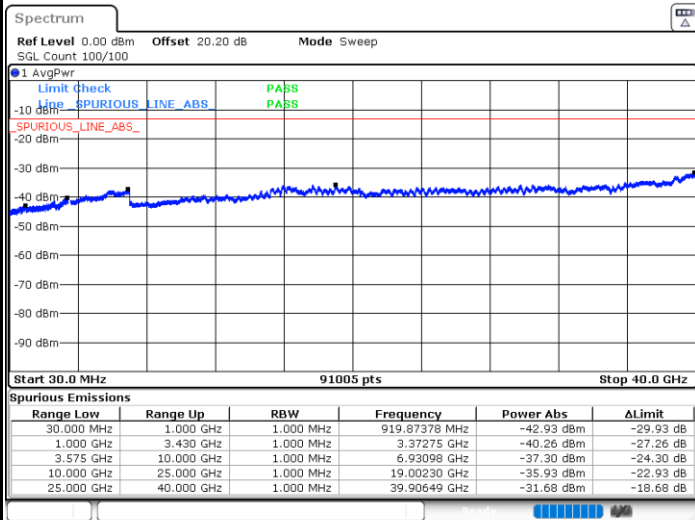
Date: 13.FEB.2023 11:03:04



Conducted Spurious Emission

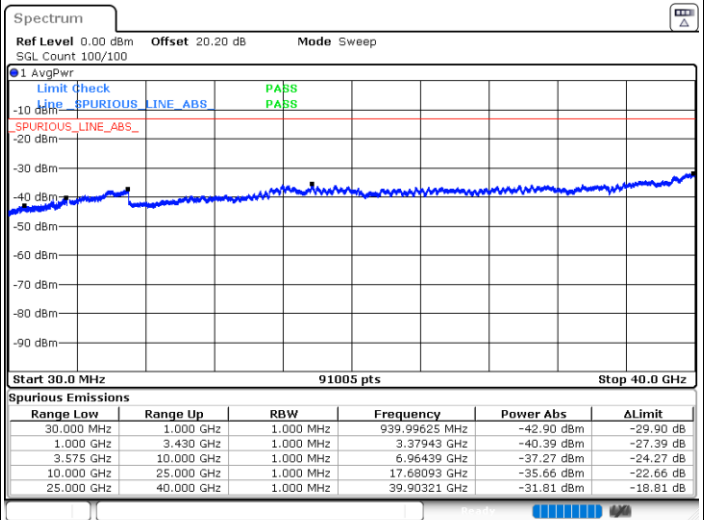
FR1 n78 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



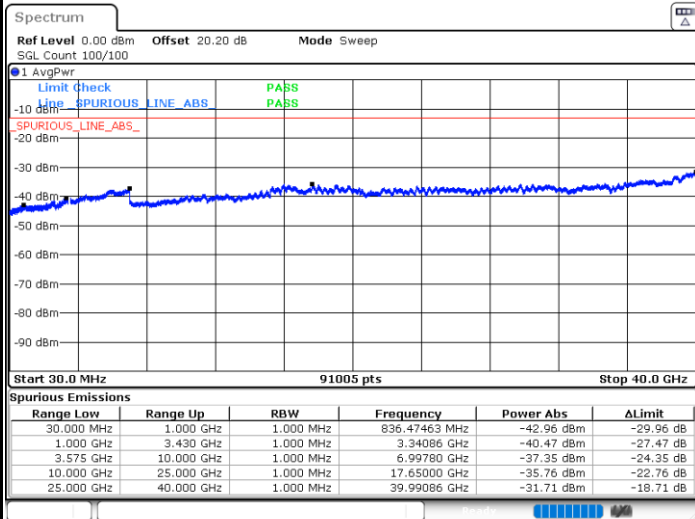
Date: 13.FEB.2023 10:15:32

Middle Channel / 1RB1



Date: 13.FEB.2023 10:26:22

Highest Channel / 1RB1



Date: 13.FEB.2023 10:27:41

NA

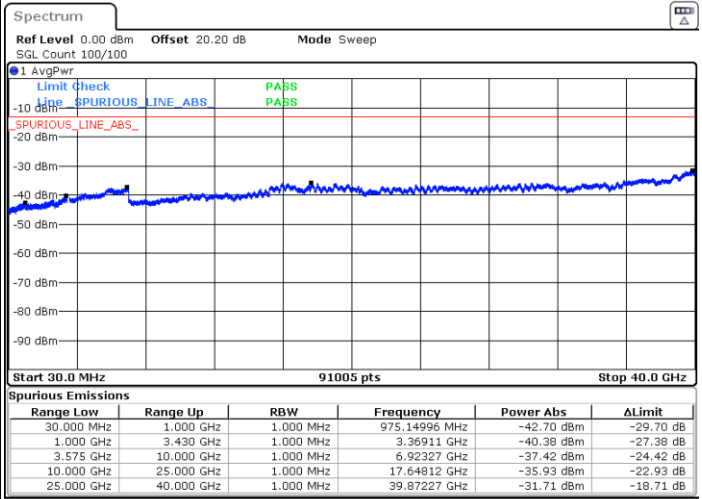
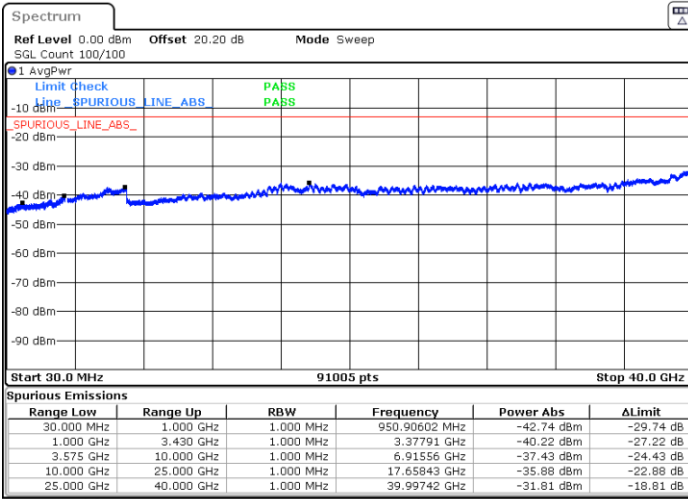
NA



FR1 n78 / 10MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

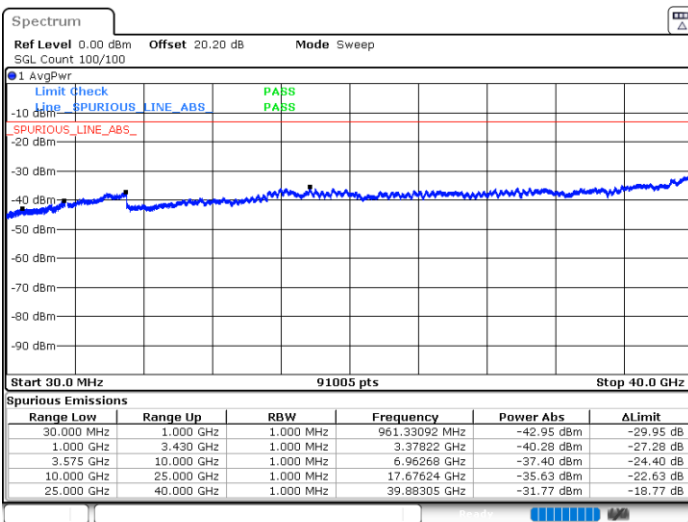


Date: 13.FEB.2023 10:20:12

Date: 13.FEB.2023 10:21:21

Highest Channel / 1RB1

NA



NA

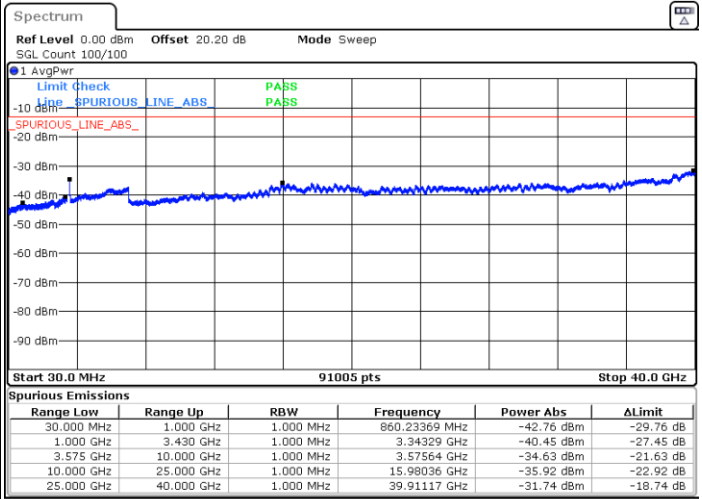
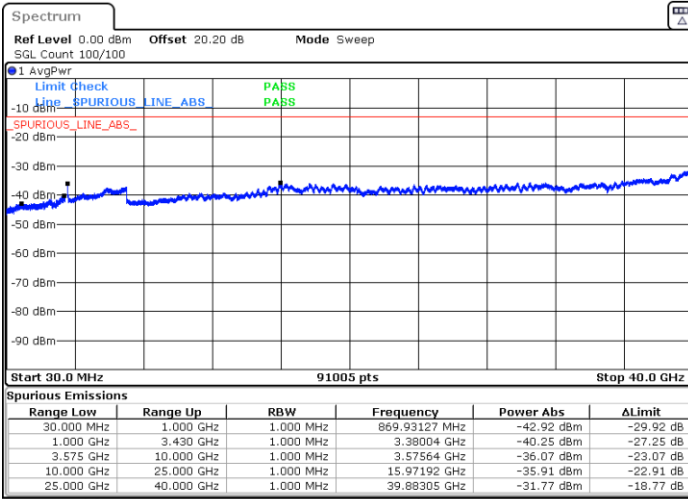
Date: 13.FEB.2023 10:28:49



FR1 n78 /50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

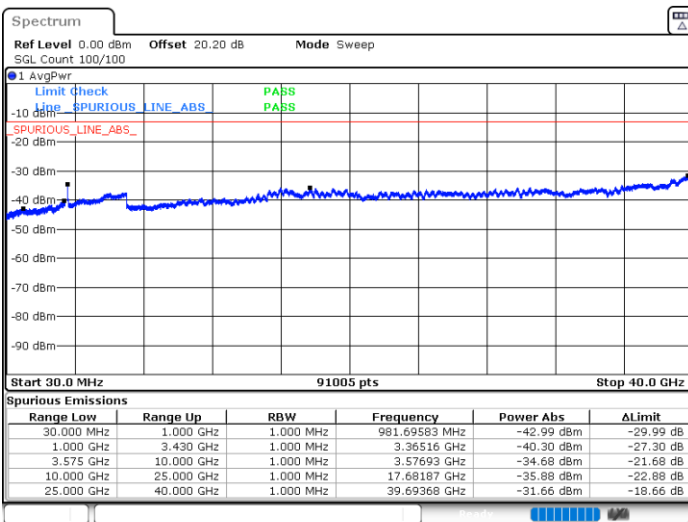


Date: 13.FEB.2023 10:37:55

Date: 13.FEB.2023 10:42:33

Highest Channel / 1RB1

NA



NA

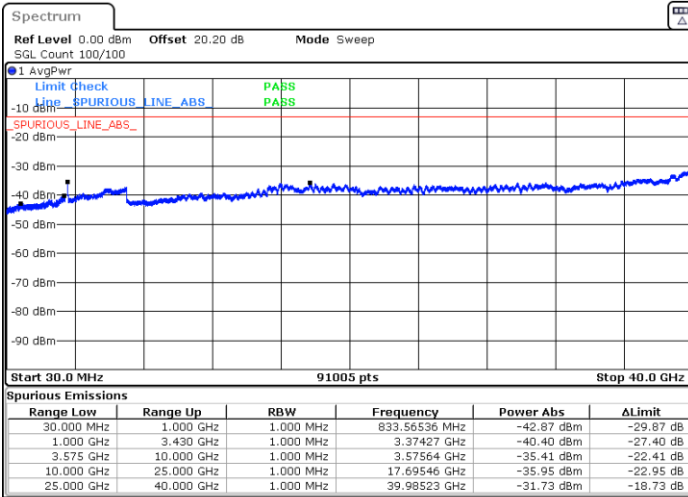
Date: 13.FEB.2023 10:44:22



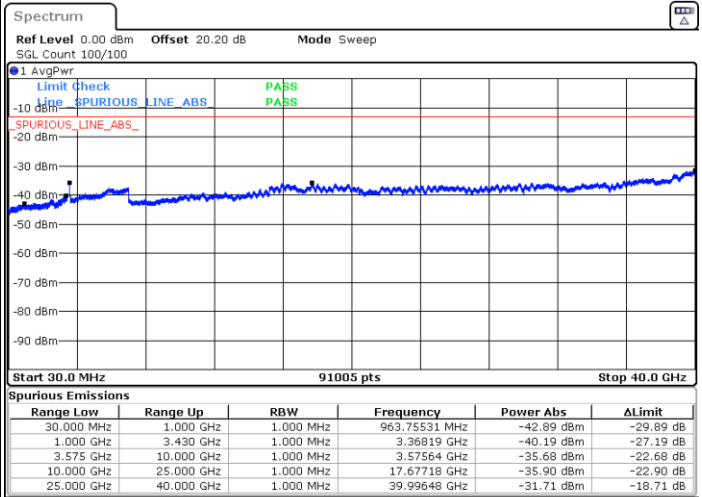
FR1 n78 /50MHz / DFT-S OFDM /16QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1



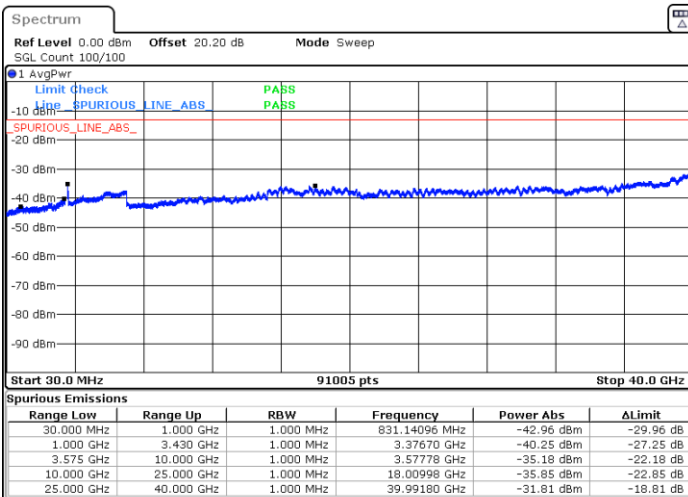
Date: 13.FEB.2023 10:39:10



Date: 13.FEB.2023 10:40:55

Highest Channel / 1RB1

NA



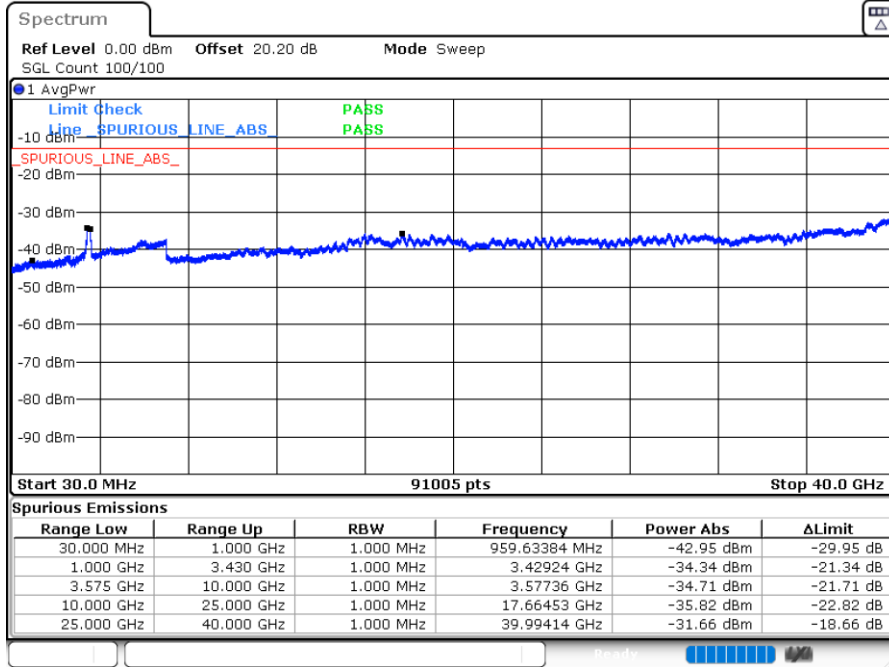
Date: 13.FEB.2023 10:46:26

NA



FR1 n78 / 100MHz / DFT-S OFDM /QPSK

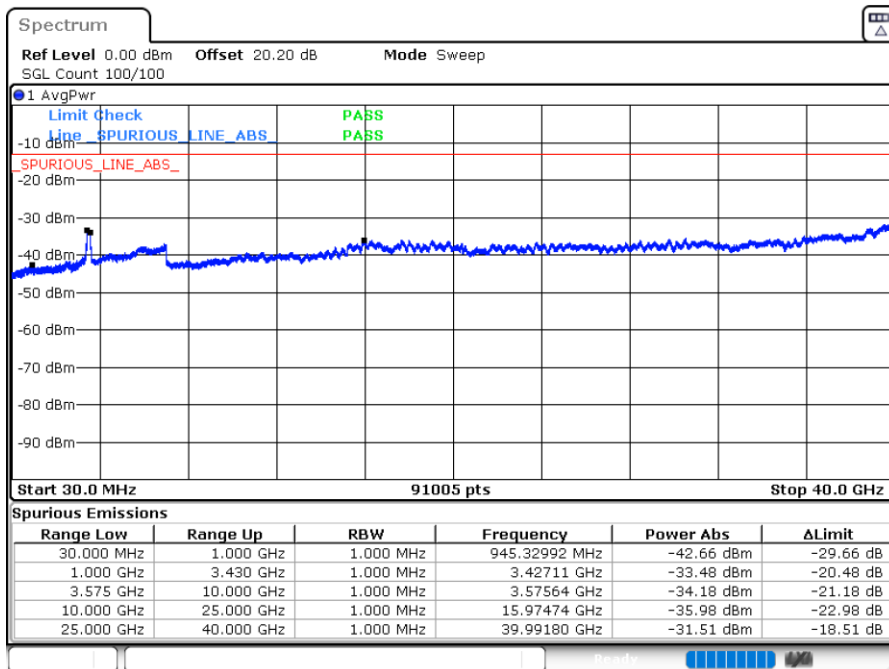
Middle Channel / 1RB1



Date: 13.FEB.2023 10:59:16

FR1 n78 / 100MHz / DFT-S OFDM / 16QAM

Middle Channel / 1RB1



Date: 13.FEB.2023 11:00:25

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0029	
20	Minimum Voltage	0.0035	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

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)
Middle	6912	-64.31	-13	-51.31	-74.52	3.03	13.24	H
	10368	-62.20	-13	-49.20	-71.65	3.56	13.01	H
	13824	-60.67	-13	-47.67	-70.19	3.92	13.44	H
	6912	-64.53	-13	-51.53	-74.74	3.03	13.24	V
	10368	-62.11	-13	-49.11	-71.56	3.56	13.01	V
	13824	-60.58	-13	-47.58	-70.10	3.92	13.44	V

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)
Middle	6912	-64.51	-13	-51.51	-74.72	3.03	13.24	H
	10368	-61.90	-13	-48.90	-71.35	3.56	13.01	H
	13824	-60.64	-13	-47.64	-70.16	3.92	13.44	H
	6912	-64.72	-13	-51.72	-74.93	3.03	13.24	V
	10368	-62.21	-13	-49.21	-71.66	3.56	13.01	V
	13824	-60.79	-13	-47.79	-70.31	3.92	13.44	V

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)
Middle	6912	-65.08	-13	-52.08	-75.29	3.03	13.24	H
	10368	-62.25	-13	-49.25	-71.70	3.56	13.01	H
	13818	-62.48	-13	-49.48	-72.00	3.92	13.44	H
	6912	-64.84	-13	-51.84	-75.05	3.03	13.24	V
	10368	-62.49	-13	-49.49	-71.94	3.56	13.01	V
	13818	-62.50	-13	-49.50	-72.02	3.92	13.44	V

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