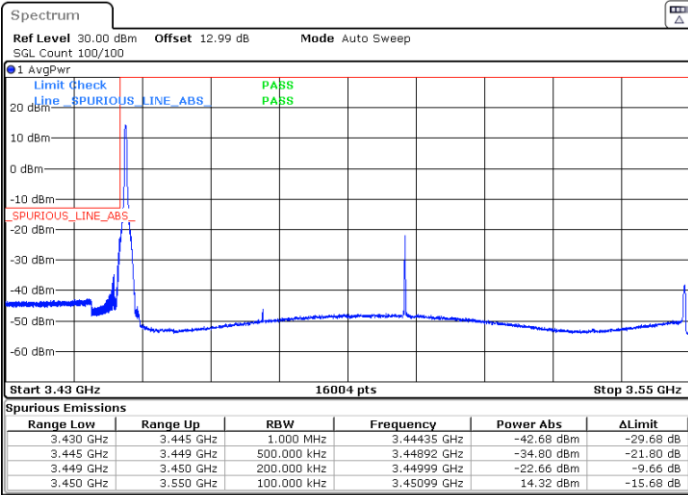




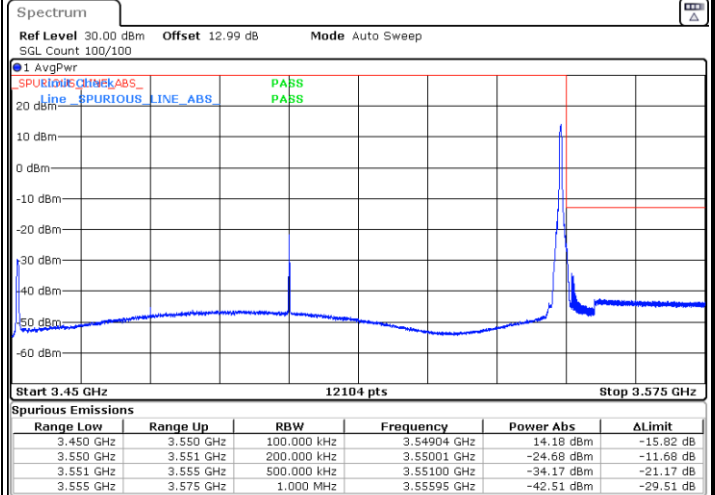
FR1 n78 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24



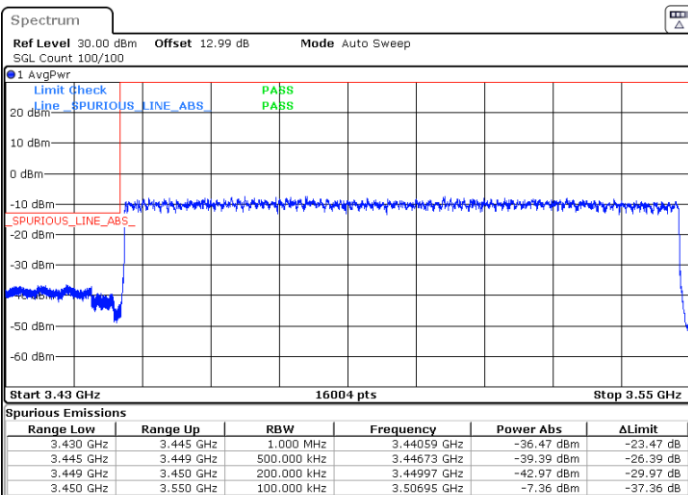
Date: 6.FEB.2022 04:23:03



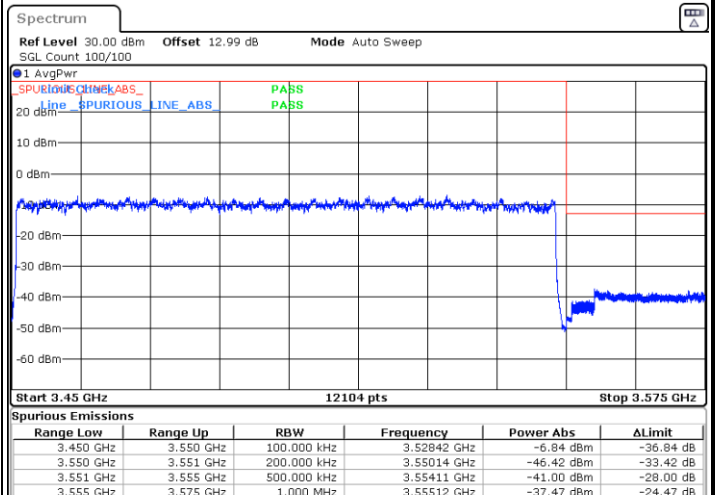
Date: 6.FEB.2022 04:50:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



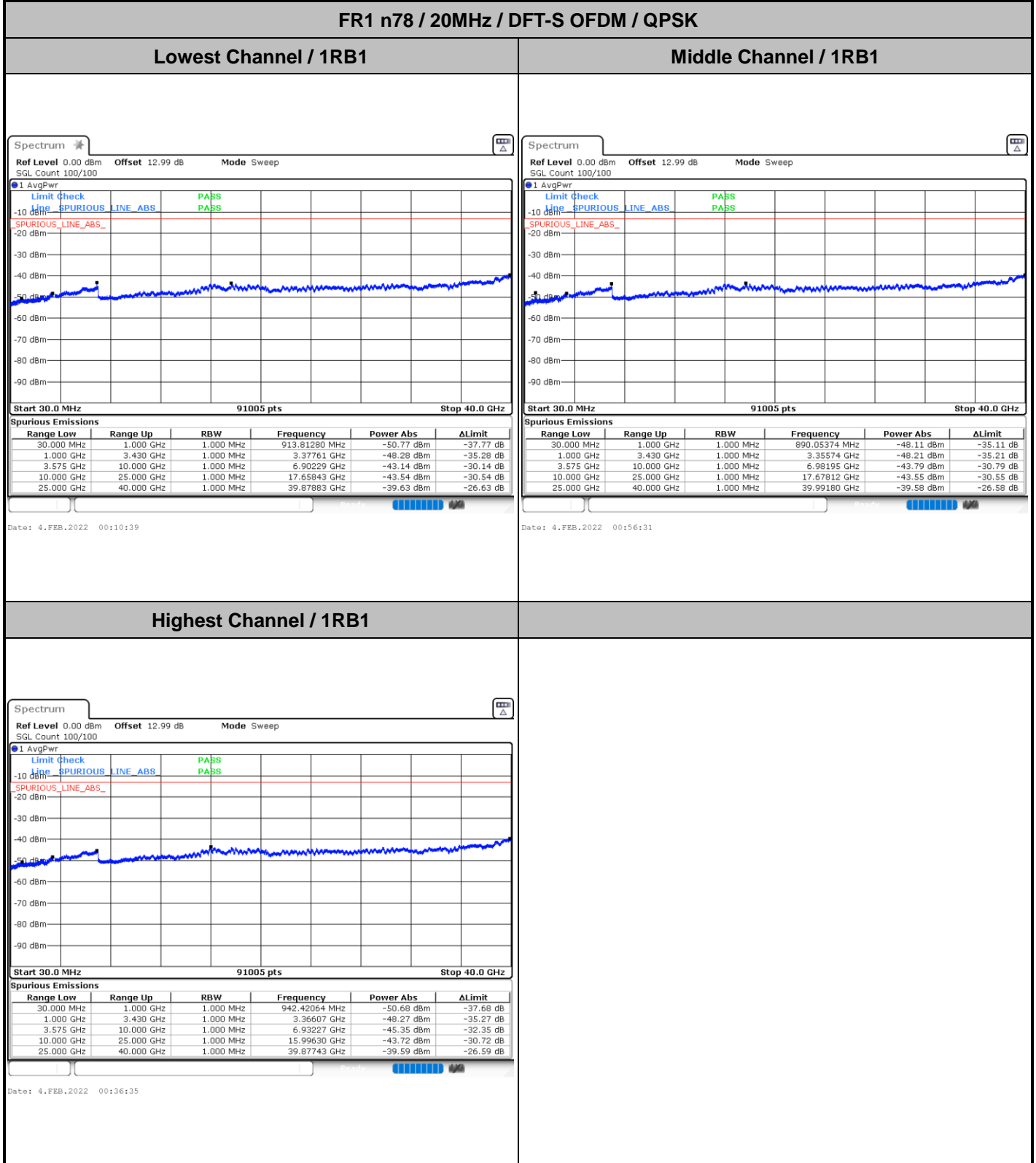
Date: 6.FEB.2022 04:32:16



Date: 6.FEB.2022 04:51:36



Conducted Spurious Emission

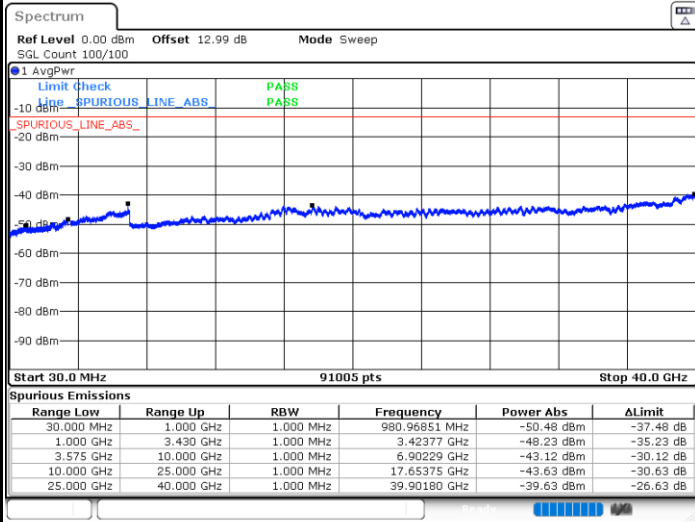




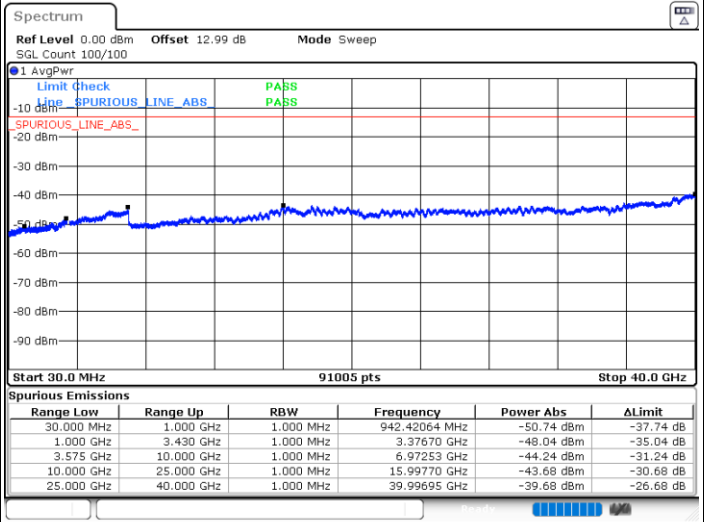
FR1 n78 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

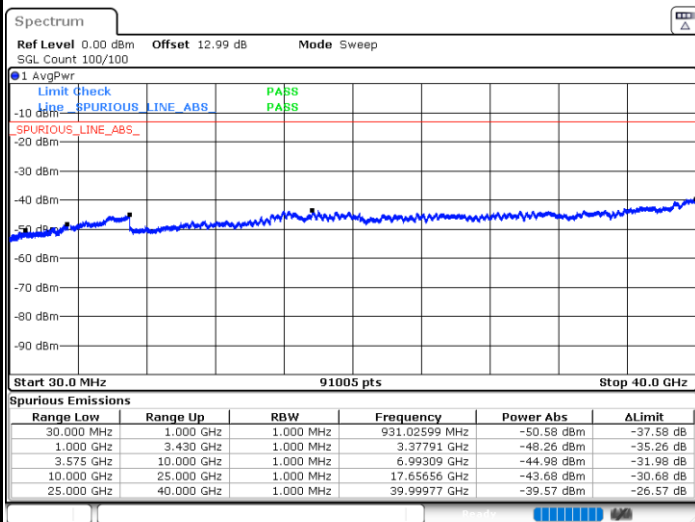


Date: 4.FEB.2022 01:26:56



Date: 4.FEB.2022 01:14:40

Highest Channel / 1RB1



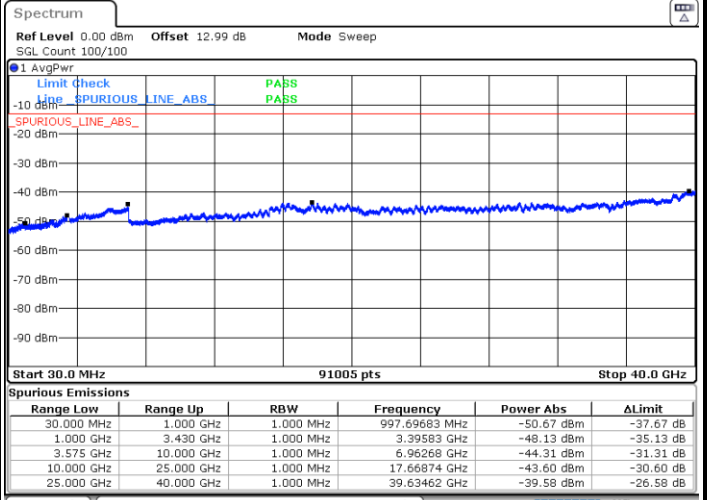
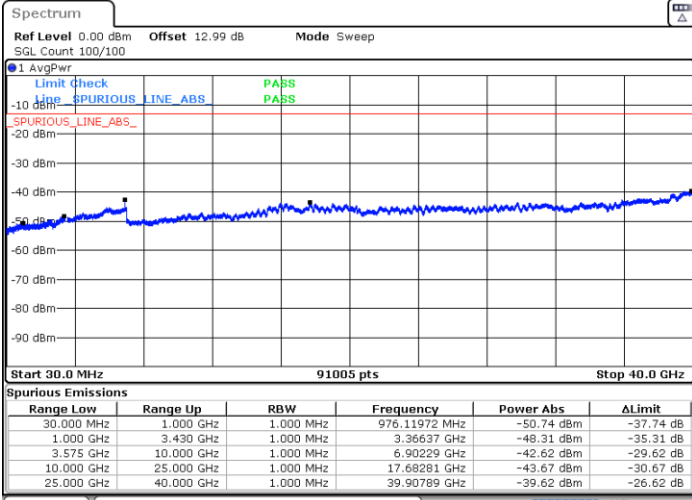
Date: 4.FEB.2022 02:05:49



FR1 n78 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

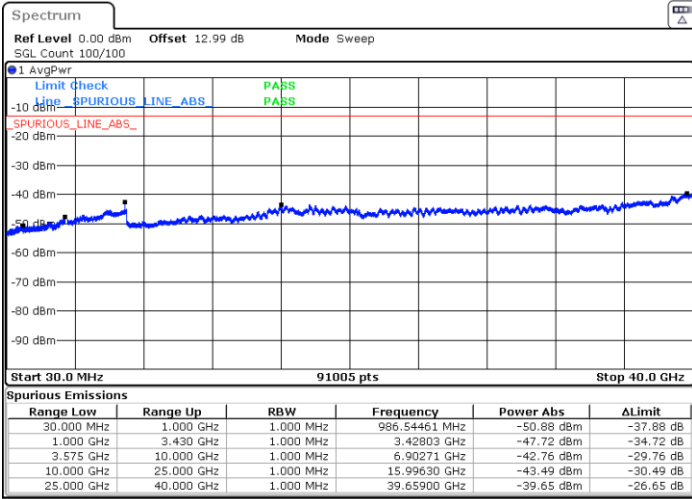
Middle Channel / 1RB1



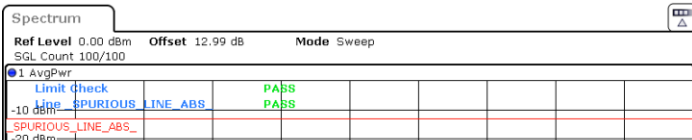
Date: 4.FEB.2022 02:15:59

Date: 4.FEB.2022 02:55:01

Highest Channel / 1RB1



Date: 4.FEB.2022 03:06:44

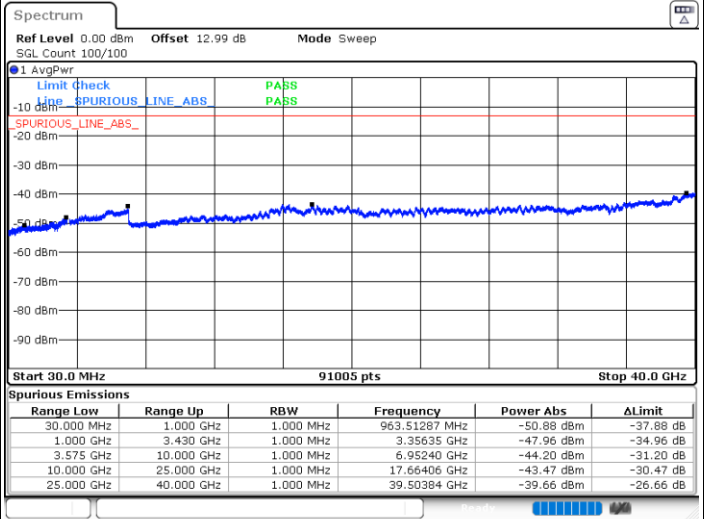
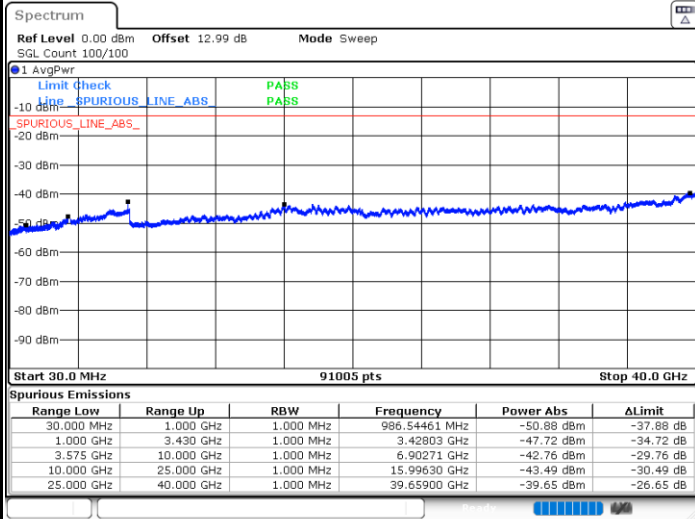




FR1 n78 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

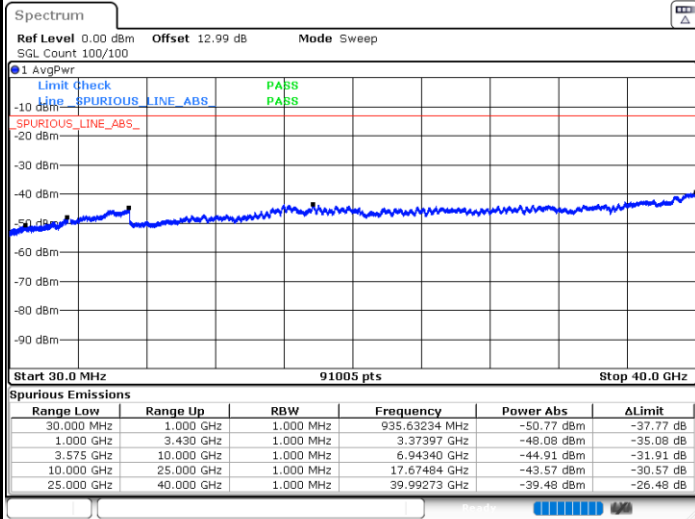
Middle Channel / 1RB1



Date: 4.FEB.2022 03:06:44

Date: 4.FEB.2022 04:21:58

Highest Channel / 1RB1



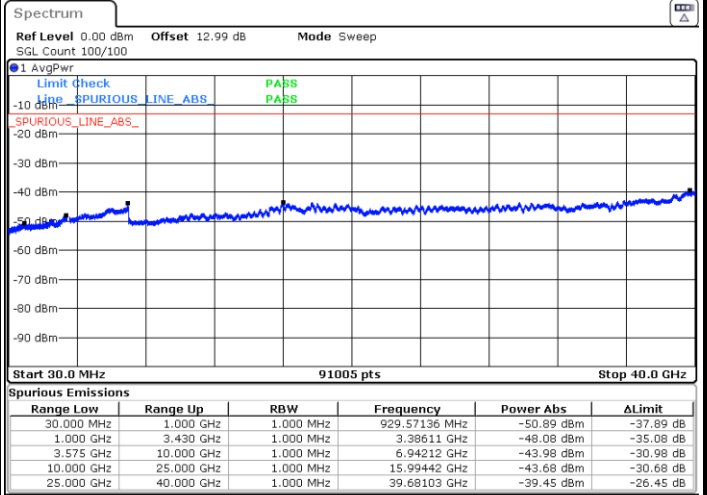
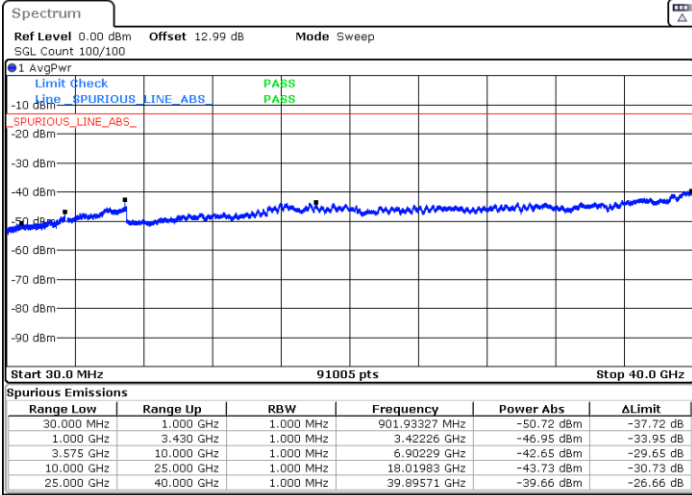
Date: 4.FEB.2022 04:14:28



FR1 n78 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

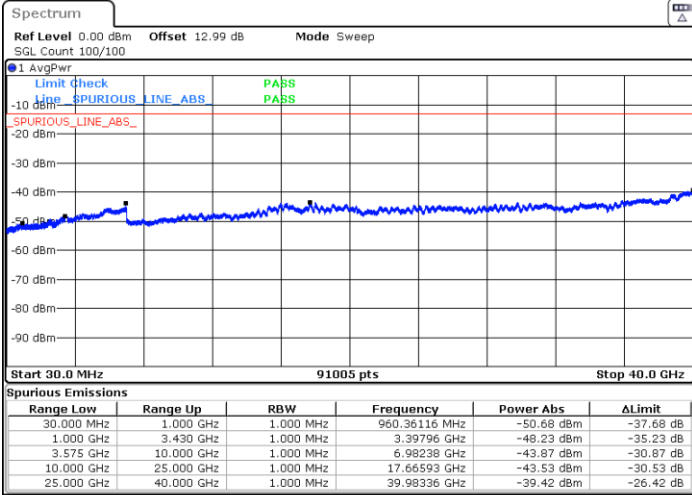
Middle Channel / 1RB1



Date: 4.FEB.2022 21:55:09

Date: 4.FEB.2022 22:32:05

Highest Channel / 1RB1



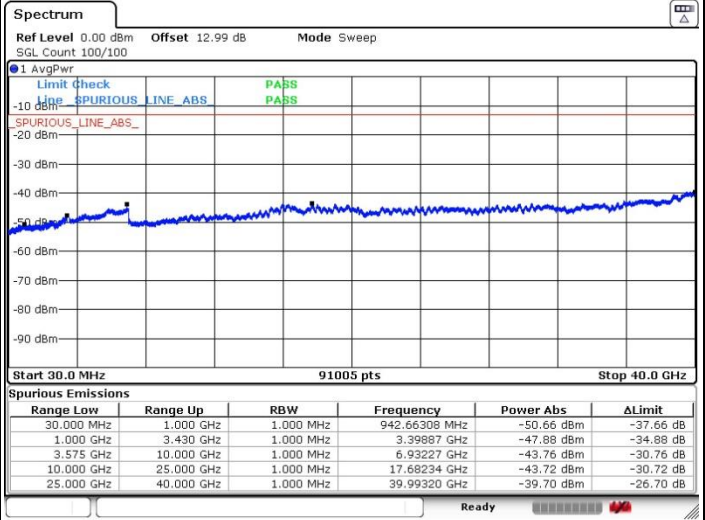
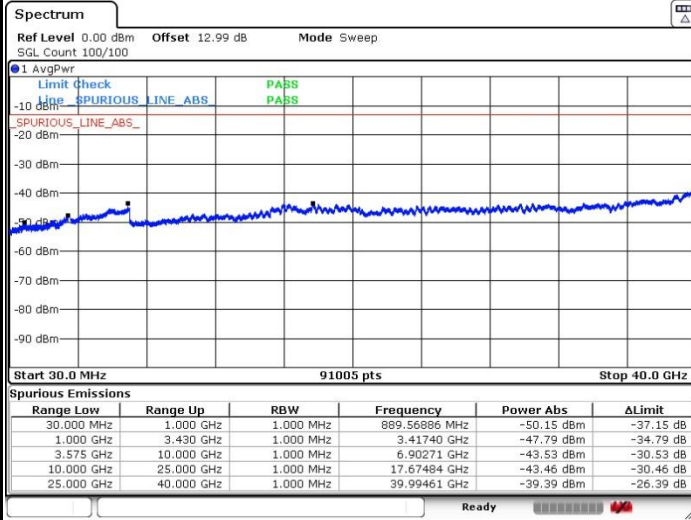
Date: 4.FEB.2022 22:25:26



FR1 n78 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

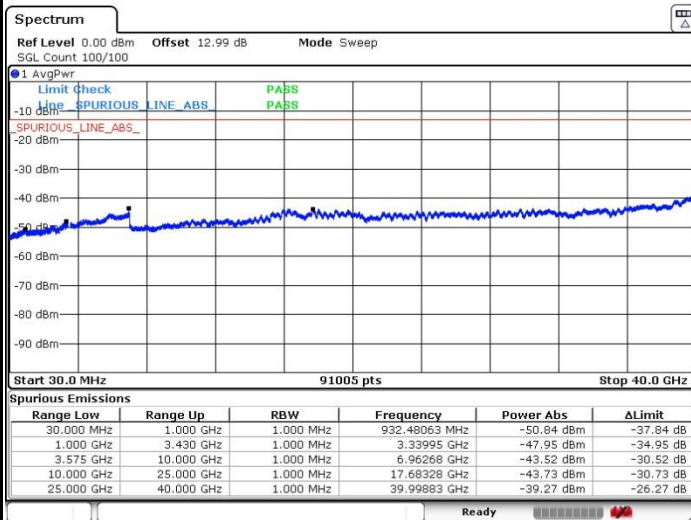
Middle Channel / 1RB1



Date: 4.FEB.2022 23:47:33

Date: 4.FEB.2022 23:53:14

Highest Channel / 1RB1



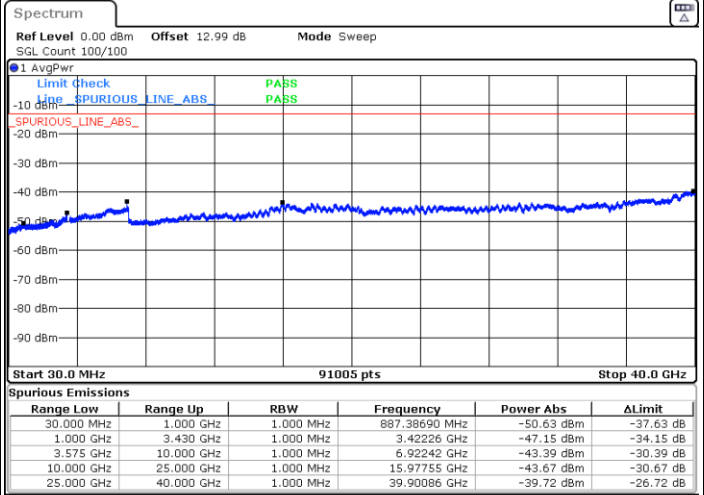
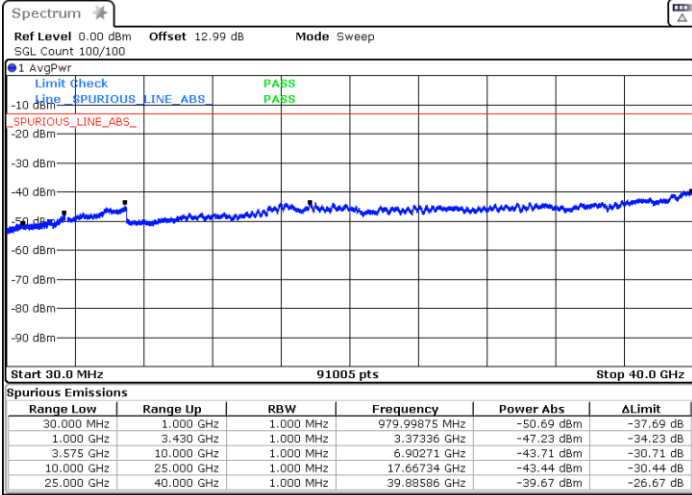
Date: 4.FEB.2022 23:45:06



FR1 n78 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

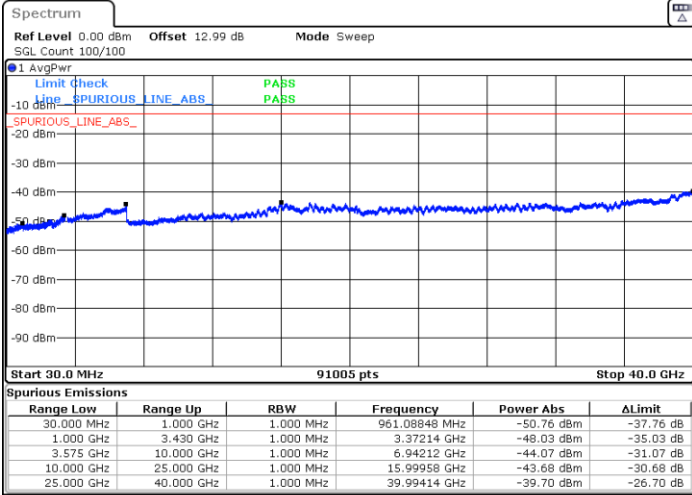
Middle Channel / 1RB1



Date: 5.FEB.2022 00:08:25

Date: 5.FEB.2022 02:44:44

Highest Channel / 1RB1



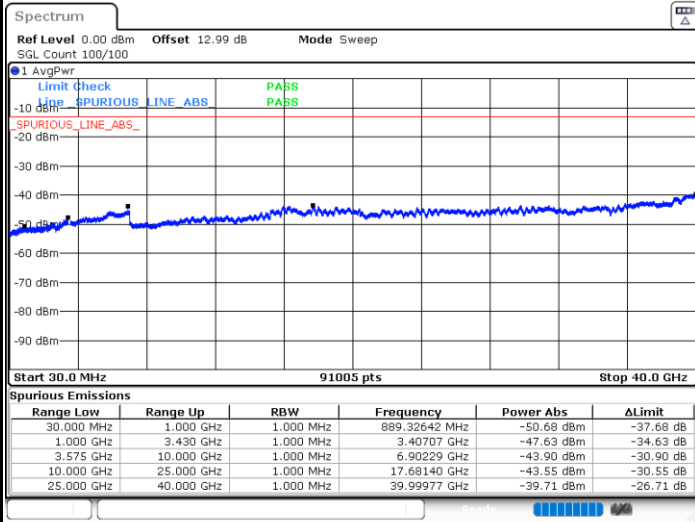
Date: 5.FEB.2022 02:42:03



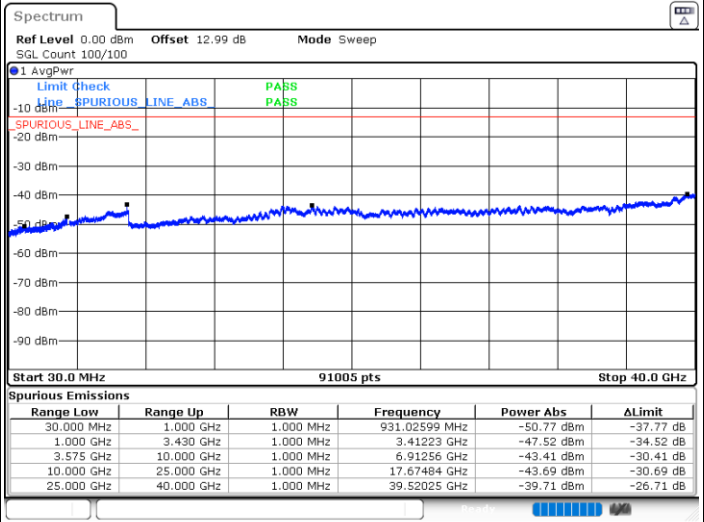
FR1 n78 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

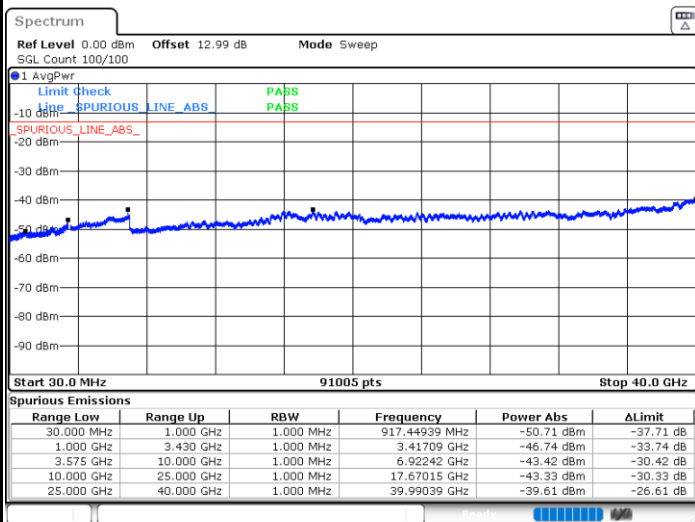


Date: 5.FEB.2022 21:57:06



Date: 6.FEB.2022 04:02:51

Highest Channel / 1RB1

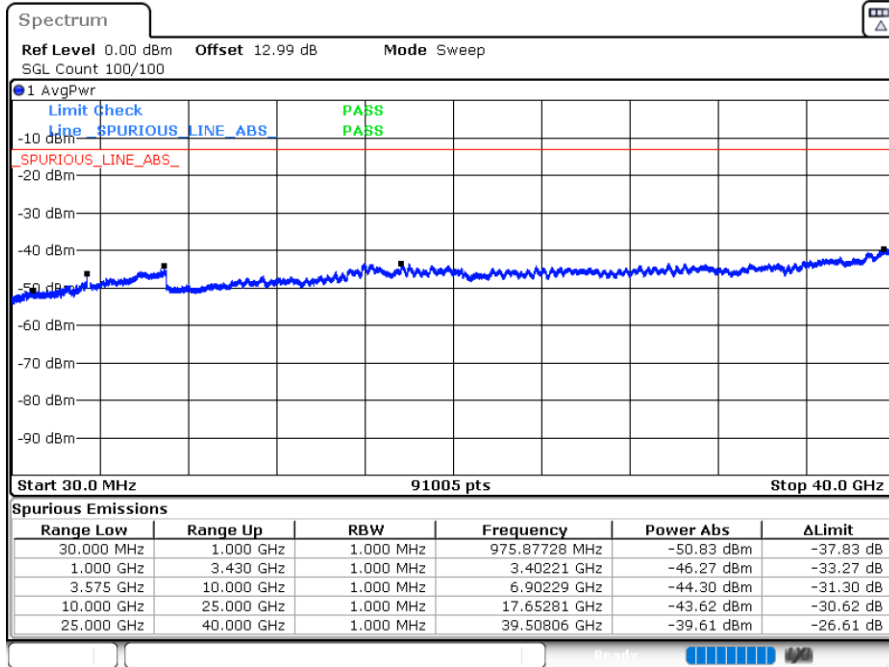


Date: 6.FEB.2022 03:56:28



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

Middle Channel / 1RB1



Date: 6 FEB 2022 04:59:36

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 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 :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT10(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	6900	-60.68	-13	-47.68	-71.16	2.76	13.24	H
	10368	-62.96	-13	-49.96	-72.55	3.42	13.01	H
	13812	-58.75	-13	-45.75	-68.36	3.83	13.44	H
	6900	-58.47	-13	-45.47	-68.91	2.80	13.24	V
	10368	-62.84	-13	-49.84	-72.39	3.46	13.01	V
	13824	-61.07	-13	-48.07	-70.63	3.88	13.44	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT10(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	6900	-61.72	-13	-48.72	-72.20	2.76	13.24	H
	10368	-63.32	-13	-50.32	-72.91	3.42	13.01	H
	13800	-57.47	-13	-44.47	-67.08	3.83	13.44	H
	6900	-60.12	-13	-47.12	-70.56	2.80	13.24	V
	10368	-63.57	-13	-50.57	-73.12	3.46	13.01	V
	13800	-59.59	-13	-46.59	-69.15	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT10(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	6900	-61.79	-13	-48.79	-72.27	2.76	13.24	H
	10368	-62.39	-13	-49.39	-71.98	3.42	13.01	H
	13800	-58.36	-13	-45.36	-67.97	3.83	13.44	H
	6900	-59.92	-13	-46.92	-70.36	2.80	13.24	V
	10368	-62.84	-13	-49.84	-72.39	3.46	13.01	V
	13800	-60.00	-13	-47.00	-69.56	3.88	13.44	V

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



EN-DC_38A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT10(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	6900	-59.01	-13	-46.01	-69.49	2.76	13.24	H
	10368	-63.57	-13	-50.57	-73.16	3.42	13.01	H
	13800	-60.10	-13	-47.10	-69.71	3.83	13.44	H
	6900	-58.63	-13	-45.63	-69.07	2.80	13.24	V
	10368	-63.44	-13	-50.44	-72.99	3.46	13.01	V
	13800	-59.53	-13	-46.53	-69.09	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT10(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	6900	-60.22	-13	-47.22	-70.70	2.76	13.24	H
	10368	-63.30	-13	-50.30	-72.89	3.42	13.01	H
	13806	-57.37	-13	-44.37	-66.98	3.83	13.44	H
	6900	-59.66	-13	-46.66	-70.10	2.80	13.24	V
	10368	-63.80	-13	-50.80	-73.35	3.46	13.01	V
	13806	-58.82	-13	-45.82	-68.38	3.88	13.44	V

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

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT10(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	6900	-61.65	-13	-48.65	-72.13	2.76	13.24	H
	10368	-62.85	-13	-49.85	-72.44	3.42	13.01	H
	13800	-60.35	-13	-47.35	-69.96	3.83	13.44	H
	6900	-60.81	-13	-47.81	-71.25	2.80	13.24	V
	10368	-63.45	-13	-50.45	-73.00	3.46	13.01	V
	13800	-59.73	-13	-46.73	-69.29	3.88	13.44	V

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



SA n78 / NR 100MHz / QPSK / ANT10(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	6900	-61.18	-13	-48.18	-71.66	2.76	13.24	H
	10368	-61.92	-13	-48.92	-71.51	3.42	13.01	H
	13806	-55.43	-13	-42.43	-65.04	3.83	13.44	H
	6900	-57.30	-13	-44.30	-67.74	2.80	13.24	V
	10368	-61.92	-13	-48.92	-71.47	3.46	13.01	V
	13806	-55.98	-13	-42.98	-65.54	3.88	13.44	V

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