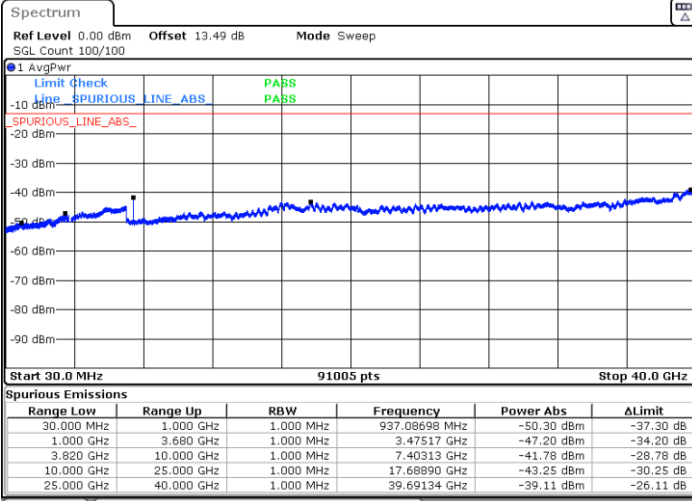




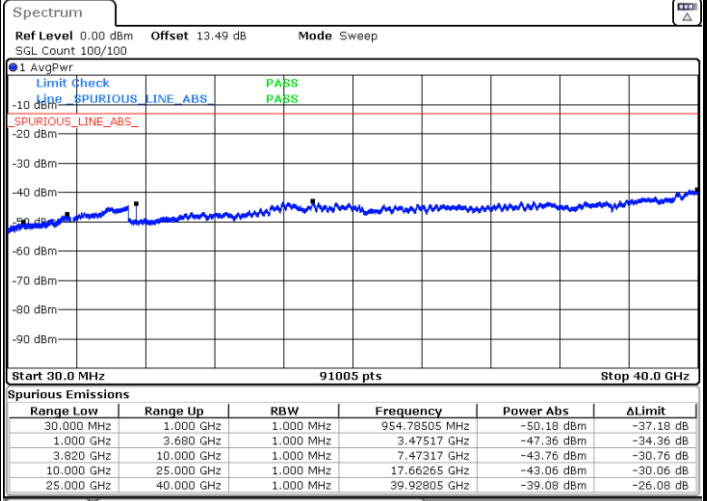
FR1 n78 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

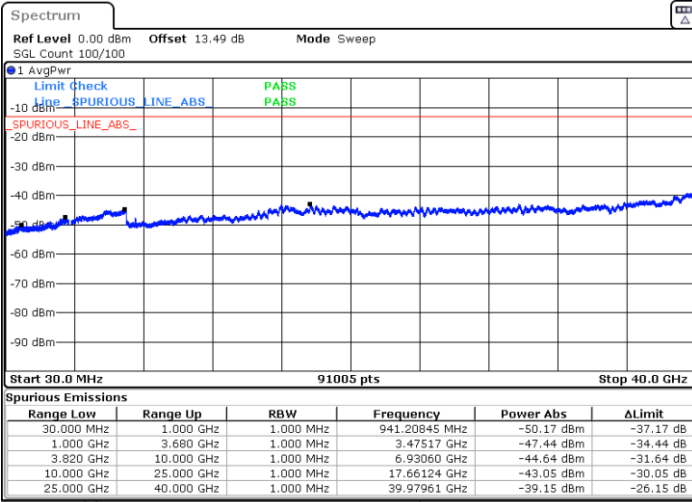


Date: 4.FEB.2022 09:46:28



Date: 4.FEB.2022 09:48:15

Highest Channel / 1RB1



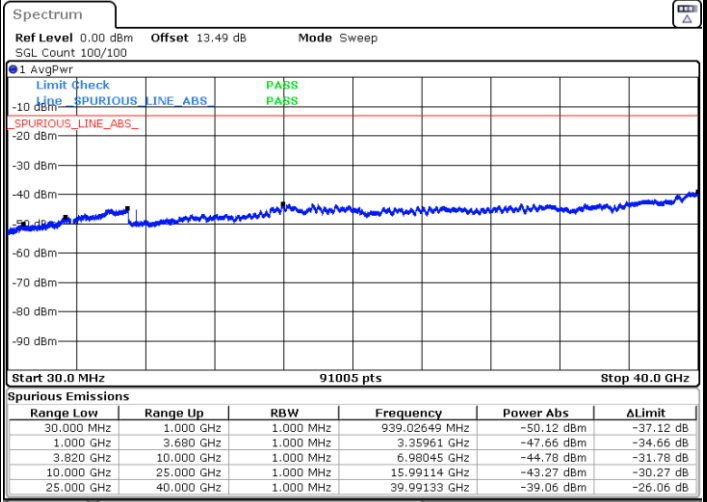
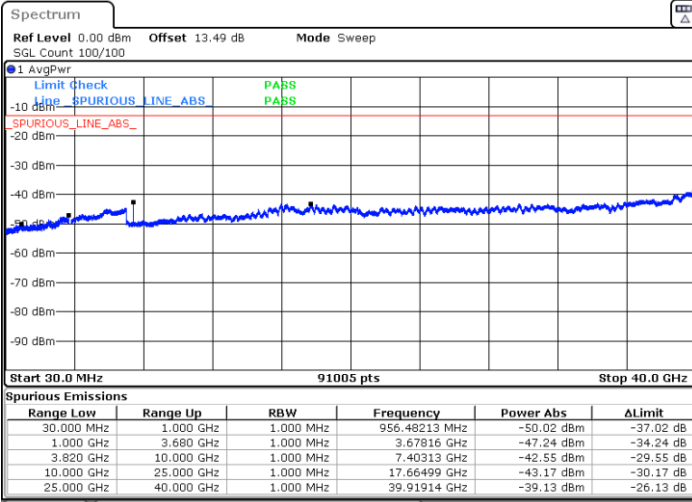
Date: 4.FEB.2022 09:50:02



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

Lowest Channel / 1RB1

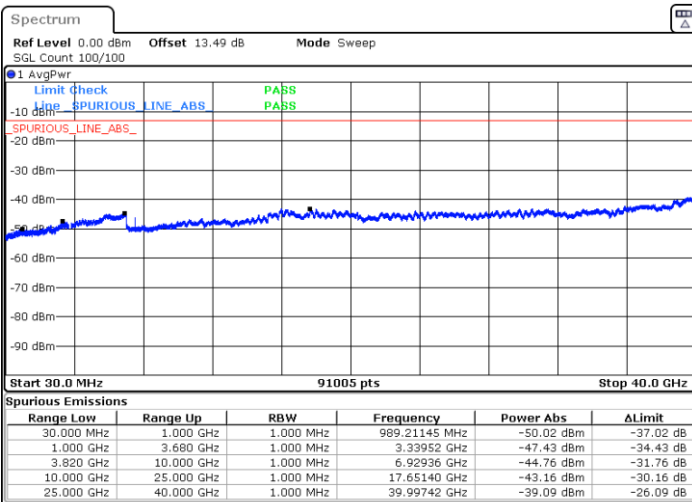
Middle Channel / 1RB1



Date: 4.FEB.2022 15:08:04

Date: 4.FEB.2022 15:13:24

Highest Channel / 1RB1



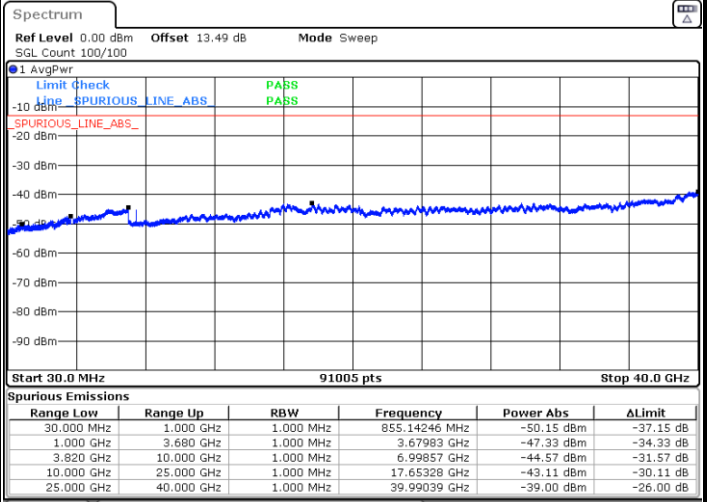
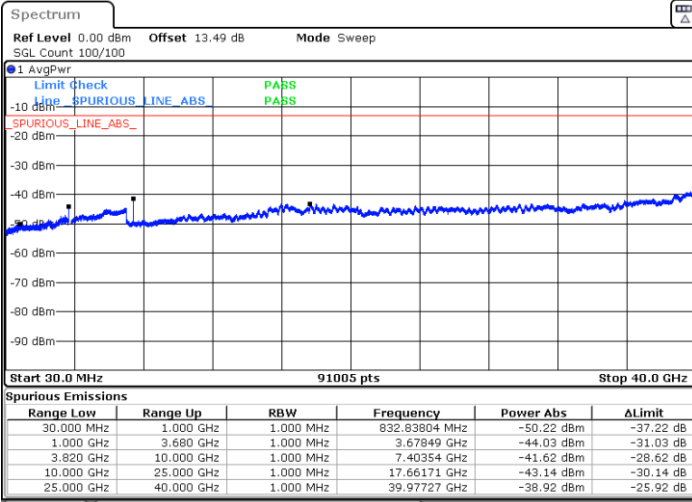
Date: 4.FEB.2022 15:16:23



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

Lowest Channel / 1RB1

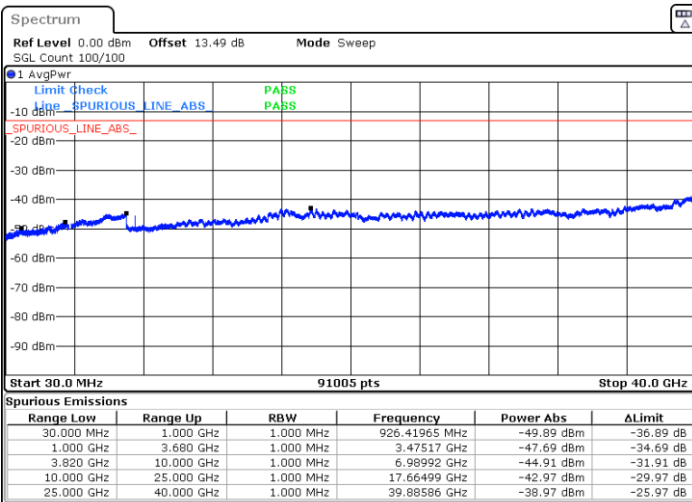
Middle Channel / 1RB1



Date: 5.FEB.2022 08:59:53

Date: 5.FEB.2022 09:01:21

Highest Channel / 1RB1



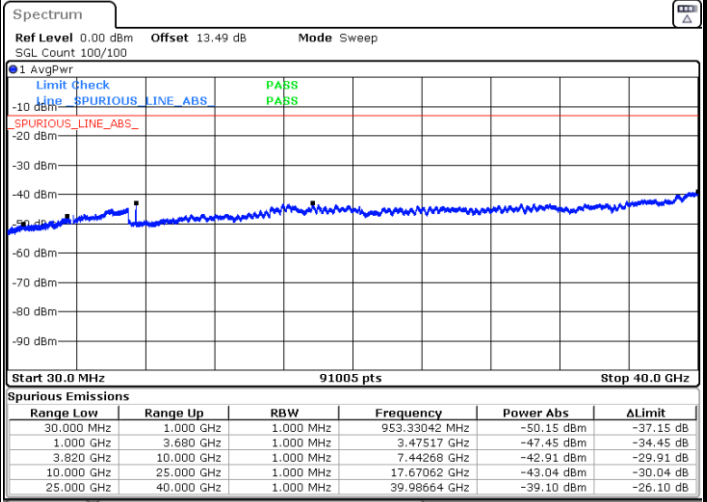
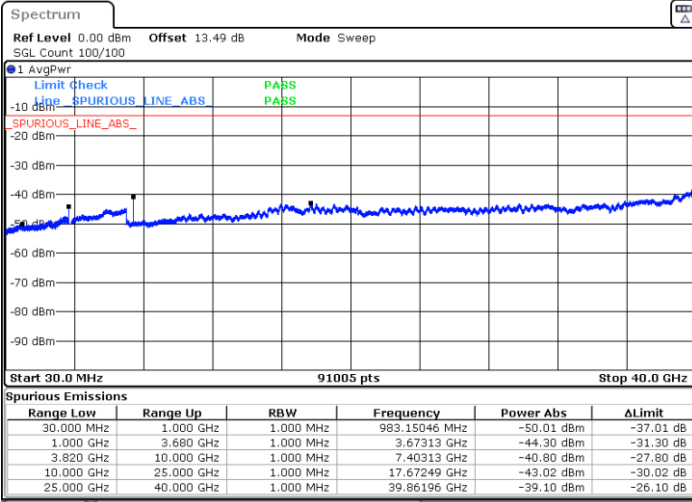
Date: 5.FEB.2022 09:02:41



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

Lowest Channel / 1RB1

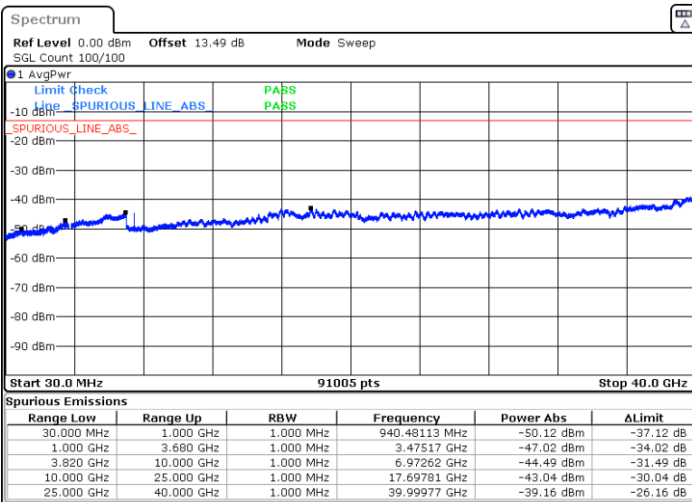
Middle Channel / 1RB1



Date: 5.FEB.2022 11:16:14

Date: 5.FEB.2022 11:19:48

Highest Channel / 1RB1



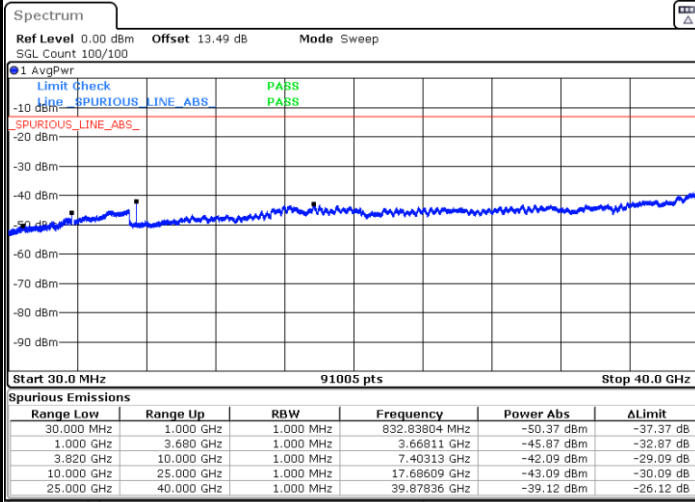
Date: 5.FEB.2022 11:21:55



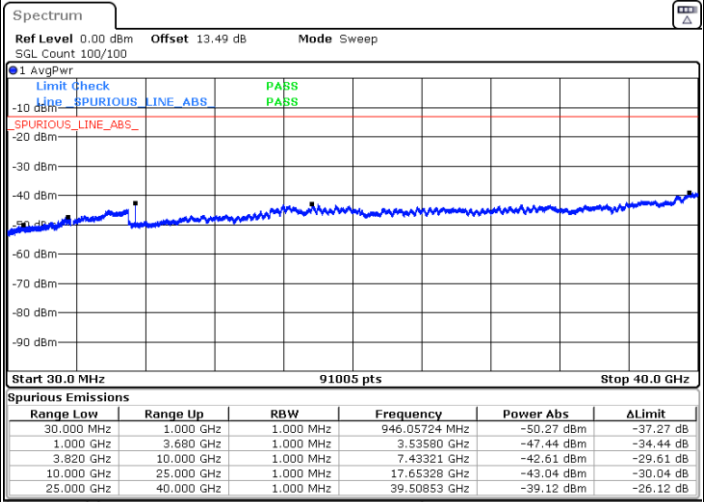
FR1 n78 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

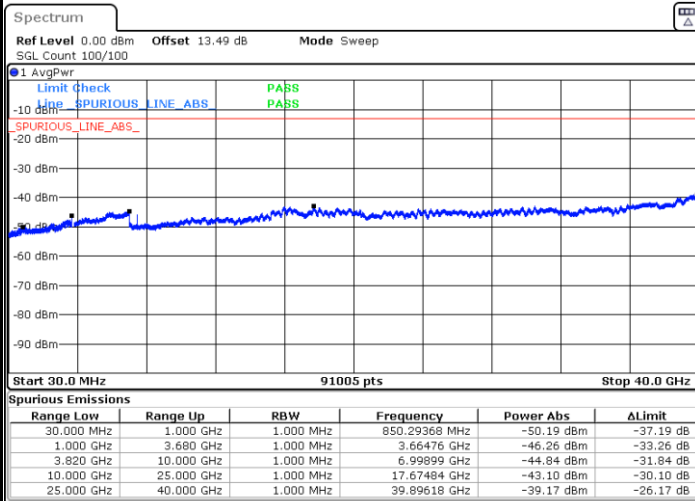


Date: 5.FEB.2022 15:08:36



Date: 5.FEB.2022 15:10:17

Highest Channel / 1RB1



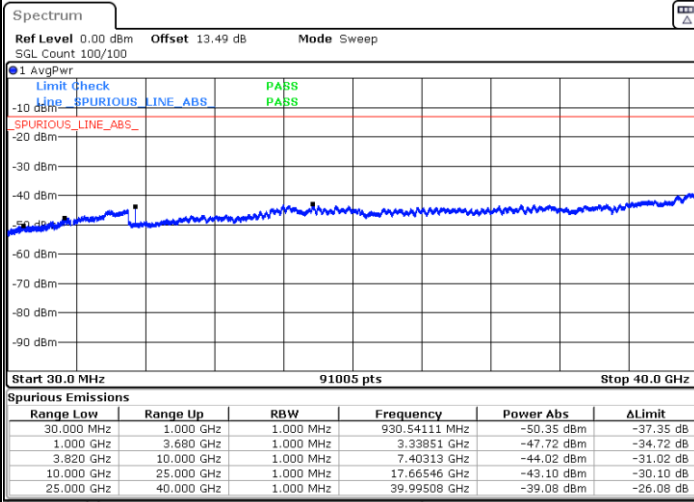
Date: 5.FEB.2022 15:11:38



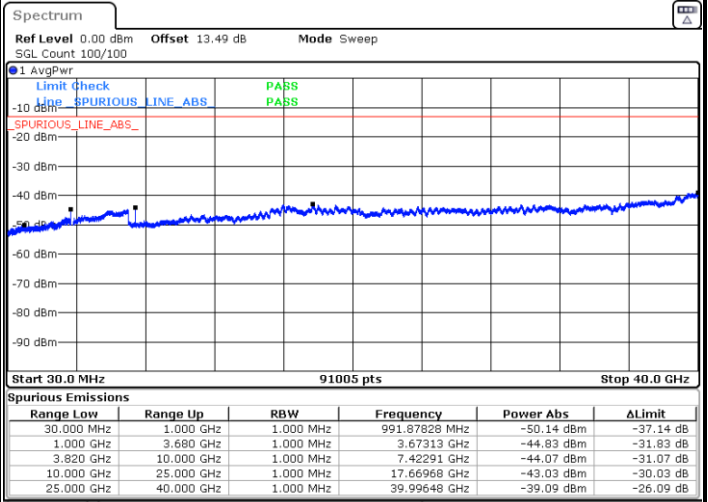
FR1 n78 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

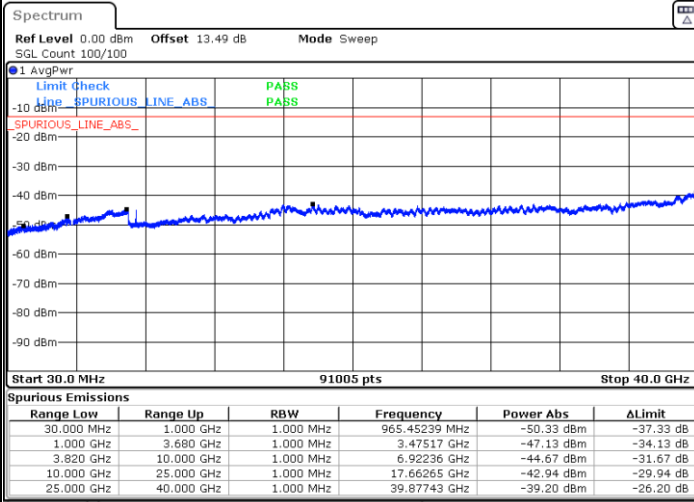


Date: 5.FEB.2022 16:01:38



Date: 5.FEB.2022 16:03:02

Highest Channel / 1RB1



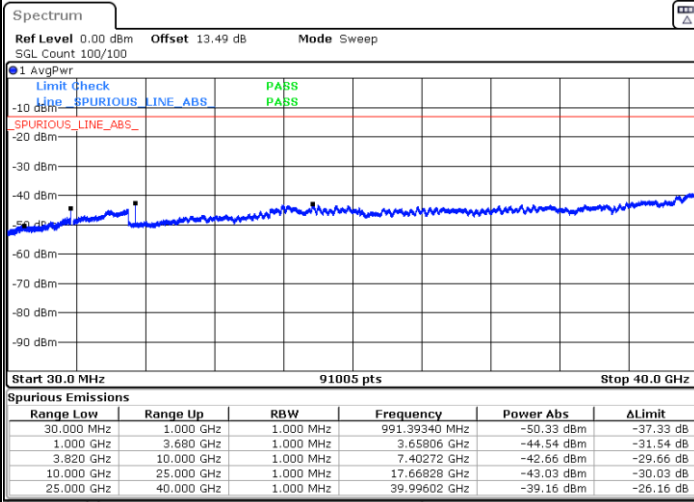
Date: 5.FEB.2022 16:05:16



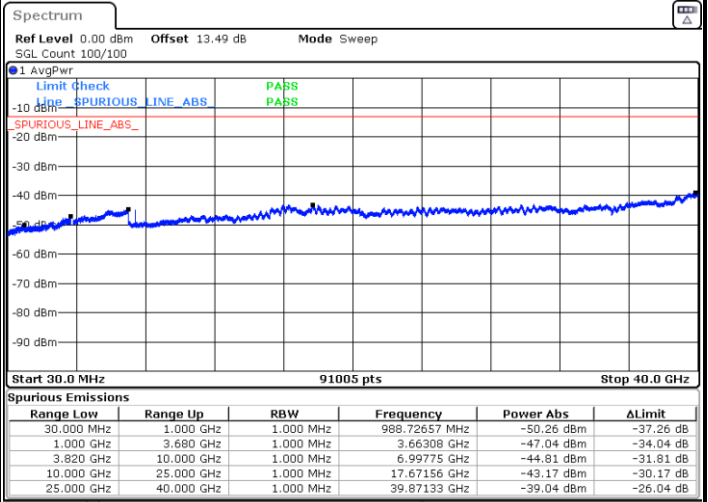
FR1 n78 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

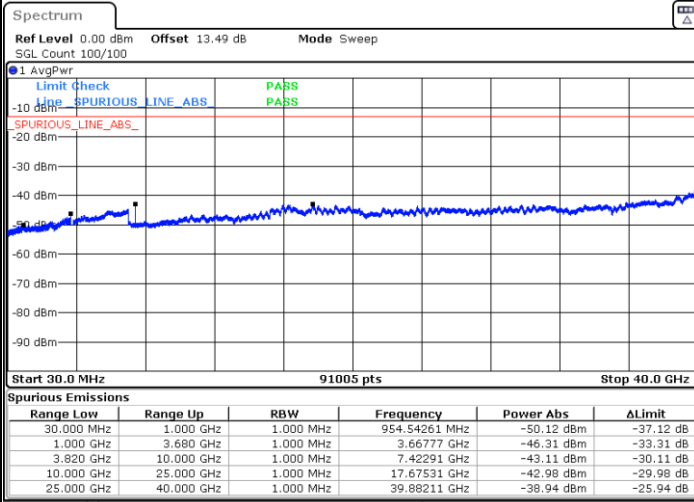


Date: 5.FEB.2022 16:21:44



Date: 5.FEB.2022 16:23:07

Highest Channel / 1RB1

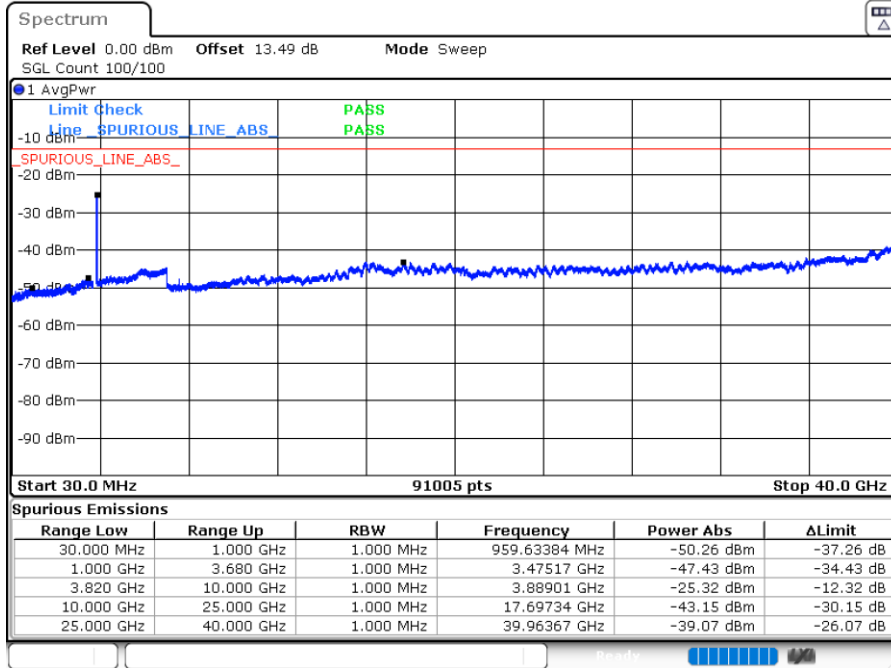


Date: 5.FEB.2022 16:24:46



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

Middle Channel / 1RB1



Date: 6. FEB. 2022 09:34:59



Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0035	

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 testing, we choose the worst antenna mode to test.

SA n77 / 100MHz / QPSK / ANT10								
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	7584	-53.02	-13	-40.02	-63.50	2.76	13.24	H
	11376	-59.62	-13	-46.62	-69.21	3.42	13.01	H
	15168	-54.23	-13	-41.23	-63.84	3.83	13.44	H
	7584	-59.51	-13	-46.51	-69.95	2.80	13.24	V
	11376	-61.23	-13	-48.23	-70.78	3.46	13.01	V
	15168	-50.28	-13	-37.28	-59.84	3.88	13.44	V

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

EN-DC_41A_n77A / 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	7584	-57.31	-13	-44.31	-67.79	2.76	13.24	H
	11388	-61.34	-13	-48.34	-70.93	3.42	13.01	H
	15168	-52.60	-13	-39.60	-62.21	3.83	13.44	H
	7584	-56.76	-13	-43.76	-67.20	2.80	13.24	V
	11388	-62.08	-13	-49.08	-71.63	3.46	13.01	V
	15168	-49.79	-13	-36.79	-59.35	3.88	13.44	V

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

SA n78 / 100MHz / QPSK / ANT10								
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	7404	-57.47	-13	-44.47	-67.95	2.76	13.24	H
	11100	-59.76	-13	-46.76	-69.35	3.42	13.01	H
	14808	-57.59	-13	-44.59	-67.20	3.83	13.44	H
	7404	-60.10	-13	-47.10	-70.54	2.80	13.24	V
	11100	-59.66	-13	-46.66	-69.21	3.46	13.01	V
	14808	-53.80	-13	-40.80	-63.36	3.88	13.44	V

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



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	7404	-58.06	-13	-45.06	-68.54	2.76	13.24	H
	11112	-62.05	-13	-49.05	-71.64	3.42	13.01	H
	14808	-55.91	-13	-42.91	-65.52	3.83	13.44	H
	7404	-60.32	-13	-47.32	-70.76	2.80	13.24	V
	11112	-62.09	-13	-49.09	-71.64	3.46	13.01	V
	14808	-53.91	-13	-40.91	-63.47	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	7404	-59.43	-13	-46.43	-69.91	2.76	13.24	H
	11106	-59.74	-13	-46.74	-69.33	3.42	13.01	H
	14808	-55.44	-13	-42.44	-65.05	3.83	13.44	H
	7404	-57.74	-13	-44.74	-68.18	2.80	13.24	V
	11106	-61.85	-13	-48.85	-71.40	3.46	13.01	V
	14808	-52.26	-13	-39.26	-61.82	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	7416	-64.02	-13	-51.02	-74.50	2.76	13.24	H
	11112	-61.08	-13	-48.08	-70.67	3.42	13.01	H
	14820	-61.22	-13	-48.22	-70.83	3.83	13.44	H
	7416	-64.23	-13	-51.23	-74.67	2.80	13.24	V
	11112	-61.35	-13	-48.35	-70.90	3.46	13.01	V
	14820	-61.42	-13	-48.42	-70.98	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	7416	-63.46	-13	-50.46	-73.94	2.76	13.24	H
	11112	-61.56	-13	-48.56	-71.15	3.42	13.01	H
	14820	-61.45	-13	-48.45	-71.06	3.83	13.44	H
	7416	-63.84	-13	-50.84	-74.28	2.80	13.24	V
	11112	-61.75	-13	-48.75	-71.30	3.46	13.01	V
	14820	-61.27	-13	-48.27	-70.83	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	7416	-64.04	-13	-51.04	-74.52	2.76	13.24	H
	11112	-61.82	-13	-48.82	-71.41	3.42	13.01	H
	14820	-61.56	-13	-48.56	-71.17	3.83	13.44	H
	7416	-64.01	-13	-51.01	-74.45	2.80	13.24	V
	11112	-61.55	-13	-48.55	-71.10	3.46	13.01	V
	14820	-61.59	-13	-48.59	-71.15	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	7416	-62.69	-13	-49.69	-73.17	2.76	13.24	H
	11112	-60.22	-13	-47.22	-69.81	3.42	13.01	H
	14820	-60.33	-13	-47.33	-69.94	3.83	13.44	H
	7416	-62.80	-13	-49.80	-73.24	2.80	13.24	V
	11112	-60.50	-13	-47.50	-70.05	3.46	13.01	V
	14820	-60.27	-13	-47.27	-69.83	3.88	13.44	V

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