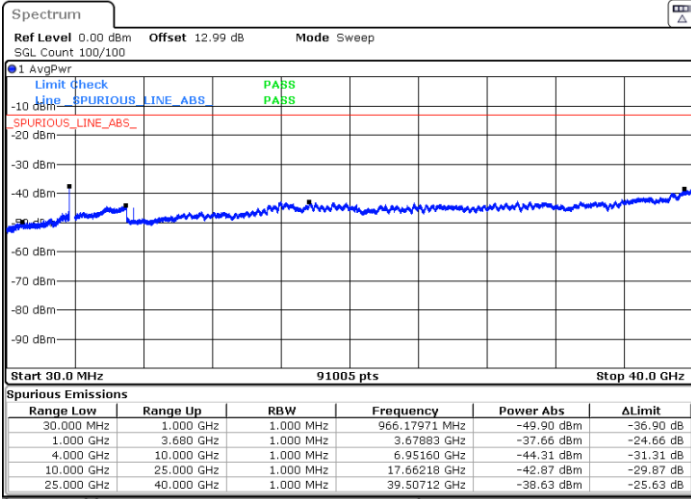




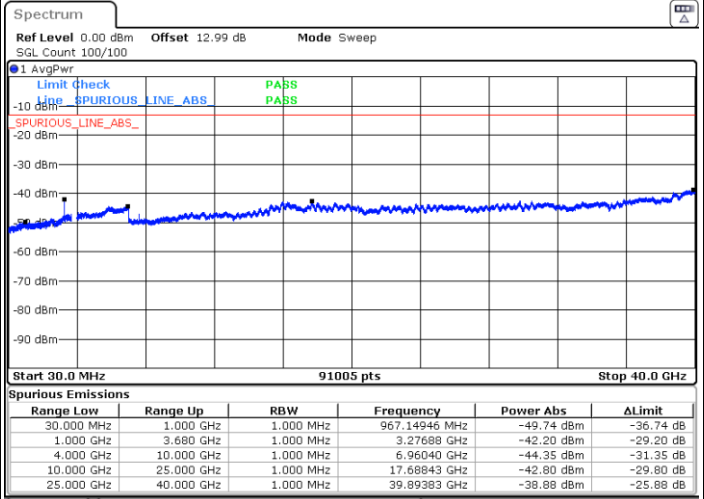
FR1 n77 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

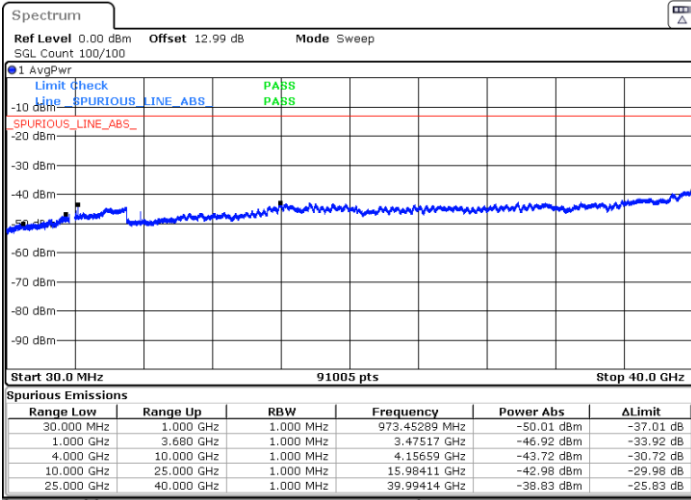


Date: 19\_JUL.2022 11:18:52



Date: 19\_JUL.2022 11:17:25

Highest Channel / 1RB1



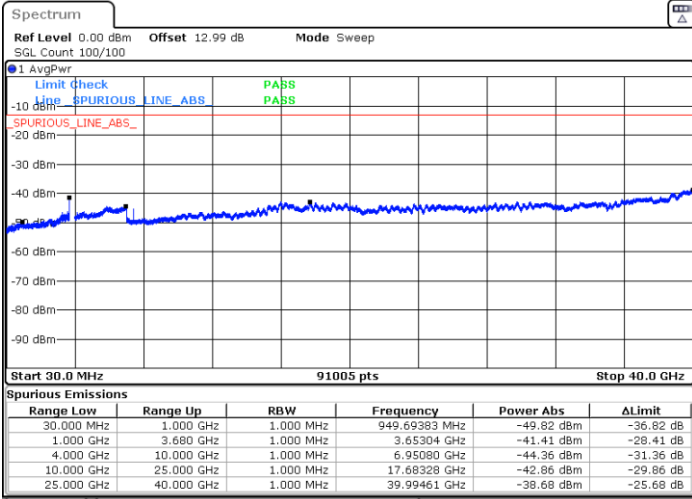
Date: 19\_JUL.2022 11:35:46



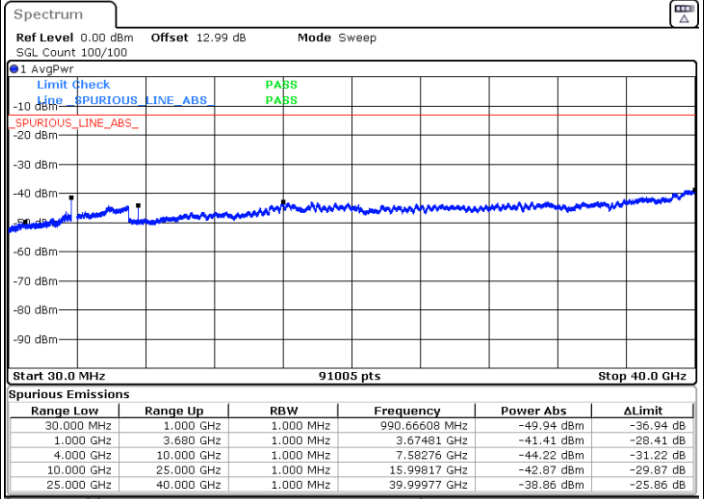
FR1 n77 / 100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

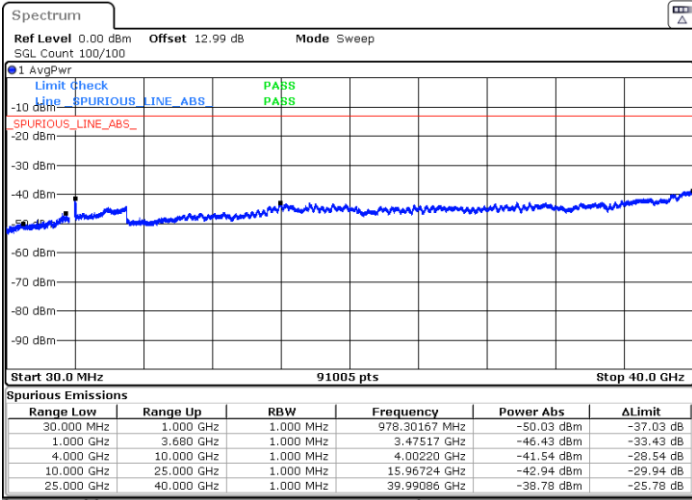


Date: 19\_JUL.2022 10:47:21



Date: 19\_JUL.2022 10:42:46

Highest Channel / 1RB1



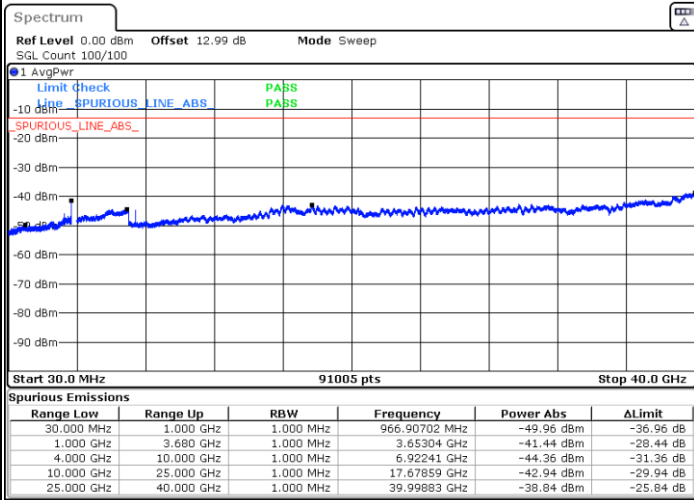
Date: 19\_JUL.2022 11:04:35



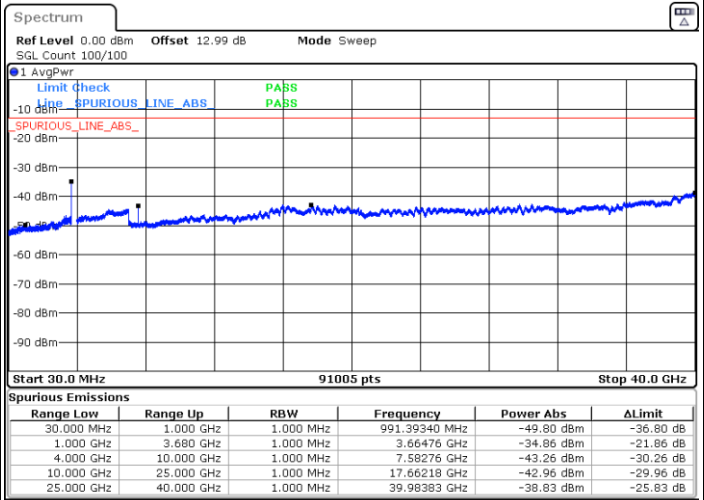
FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

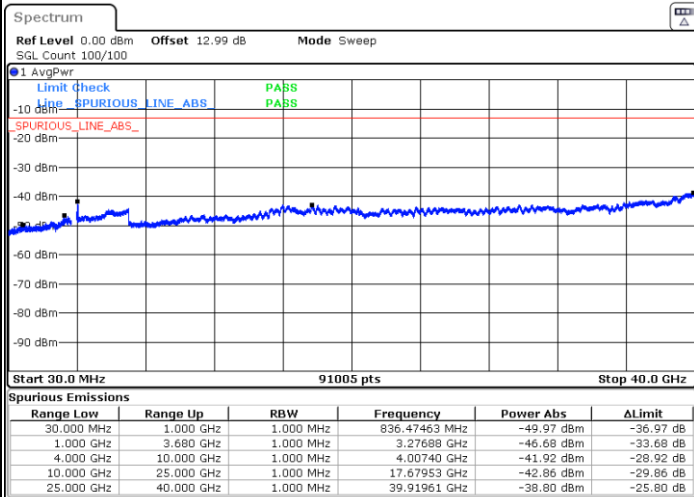


Date: 19\_JUL.2022 10:45:56



Date: 19\_JUL.2022 10:44:33

Highest Channel / 1RB1



Date: 19\_JUL.2022 11:05:54



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0036	
20	Minimum Voltage	0.0031	

Note:

1. Normal Voltage =220 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240V.
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 :	23~25°C
		Relative Humidity :	41~42%

SA n77 / NR 100MHz / QPSK / ANT4(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	7590	-62.49	-13	-49.49	-72.93	2.80	13.24	H
	11388	-60.37	-13	-47.37	-69.92	3.46	13.01	H
	15180	-59.21	-13	-46.21	-68.77	3.88	13.44	H
	7590	-62.60	-13	-49.60	-73.04	2.80	13.24	V
	11388	-60.48	-13	-47.48	-70.03	3.46	13.01	V
	15180	-59.38	-13	-46.38	-68.94	3.88	13.44	V

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

EN-DC_2A_n77A / LTE 20MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.38	-13	-49.38	-72.86	2.76	13.24	H
	11388	-60.40	-13	-47.40	-69.99	3.42	13.01	H
	15180	-59.31	-13	-46.31	-68.92	3.83	13.44	H
	7590	-62.31	-13	-49.31	-72.75	2.80	13.24	V
	11388	-60.23	-13	-47.23	-69.78	3.46	13.01	V
	15180	-59.14	-13	-46.14	-68.70	3.88	13.44	V

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



EN-DC_5A_n77A / LTE 10MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.47	-13	-49.47	-72.95	2.76	13.24	H
	11388	-60.37	-13	-47.37	-69.96	3.42	13.01	H
	15180	-59.06	-13	-46.06	-68.67	3.83	13.44	H
	7590	-61.86	-13	-48.86	-72.30	2.80	13.24	V
	11388	-60.81	-13	-47.81	-70.36	3.46	13.01	V
	15180	-58.62	-13	-45.62	-68.18	3.88	13.44	V

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

EN-DC_12A_n77A / LTE 10MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.31	-13	-49.31	-72.79	2.76	13.24	H
	11388	-60.07	-13	-47.07	-69.66	3.42	13.01	H
	15180	-59.53	-13	-46.53	-69.14	3.83	13.44	H
	7590	-62.45	-13	-49.45	-72.89	2.80	13.24	V
	11388	-60.25	-13	-47.25	-69.80	3.46	13.01	V
	15180	-58.76	-13	-45.76	-68.32	3.88	13.44	V

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

EN-DC_13A_n77A / LTE 10MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.59	-13	-49.59	-73.07	2.76	13.24	H
	11388	-60.50	-13	-47.50	-70.09	3.42	13.01	H
	15180	-59.17	-13	-46.17	-68.78	3.83	13.44	H
	7590	-62.77	-13	-49.77	-73.21	2.80	13.24	V
	11388	-60.55	-13	-47.55	-70.10	3.46	13.01	V
	15180	-59.33	-13	-46.33	-68.89	3.88	13.44	V

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



EN-DC_14A_n77A / LTE 10MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.42	-13	-49.42	-72.90	2.76	13.24	H
	11388	-60.12	-13	-47.12	-69.71	3.42	13.01	H
	15180	-58.99	-13	-45.99	-68.60	3.83	13.44	H
	7590	-61.93	-13	-48.93	-72.37	2.80	13.24	V
	11388	-60.55	-13	-47.55	-70.10	3.46	13.01	V
	15180	-58.97	-13	-45.97	-68.53	3.88	13.44	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.43	-13	-49.43	-72.91	2.76	13.24	H
	11388	-60.53	-13	-47.53	-70.12	3.42	13.01	H
	15180	-58.98	-13	-45.98	-68.59	3.83	13.44	H
	7590	-62.30	-13	-49.30	-72.74	2.80	13.24	V
	11388	-60.64	-13	-47.64	-70.19	3.46	13.01	V
	15180	-58.84	-13	-45.84	-68.40	3.88	13.44	V

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

EN-DC_66A_n77A / LTE 20MHz + NR 100MHz / QPSK / default ANT0 (LTE) & ANT4(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	7590	-62.50	-13	-49.50	-72.98	2.76	13.24	H
	11388	-60.30	-13	-47.30	-69.89	3.42	13.01	H
	15180	-59.03	-13	-46.03	-68.64	3.83	13.44	H
	7590	-62.43	-13	-49.43	-72.87	2.80	13.24	V
	11388	-60.77	-13	-47.77	-70.32	3.46	13.01	V
	15180	-59.18	-13	-46.18	-68.74	3.88	13.44	V

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