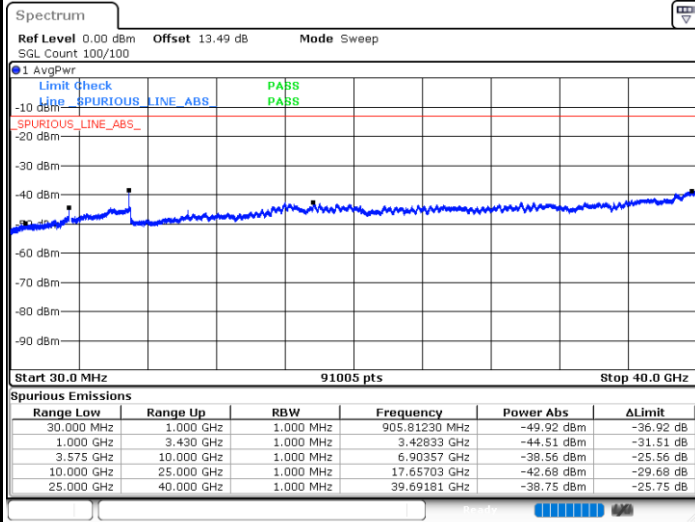




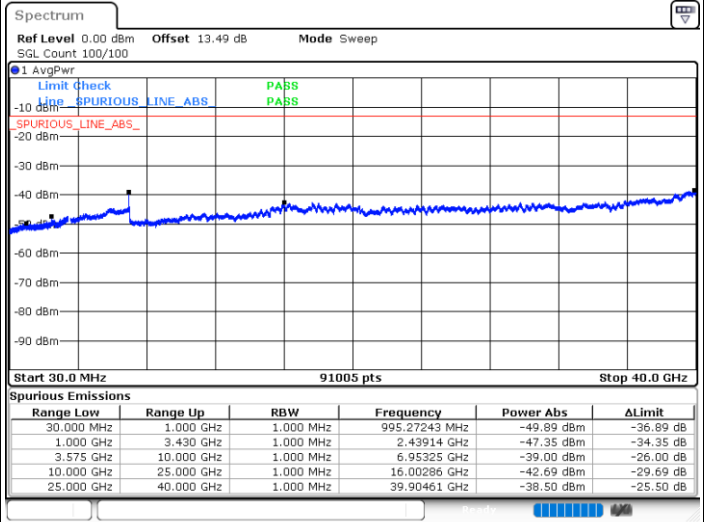
FR1 n78 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

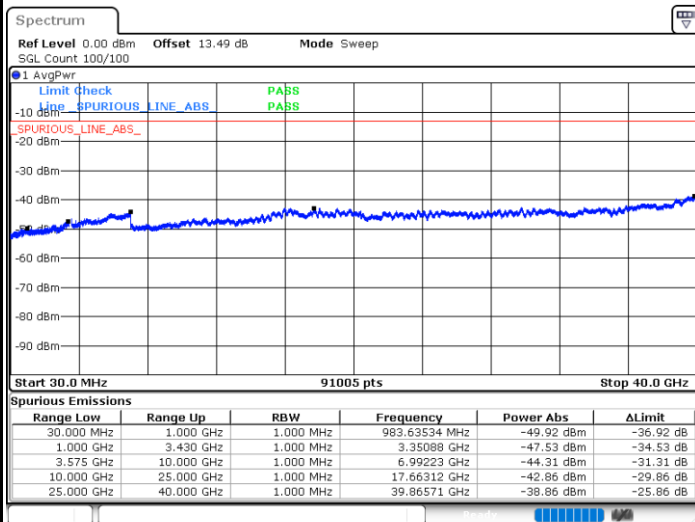


Date: 7.MAR.2022 21:35:56



Date: 7.MAR.2022 21:37:31

Highest Channel / 1RB1



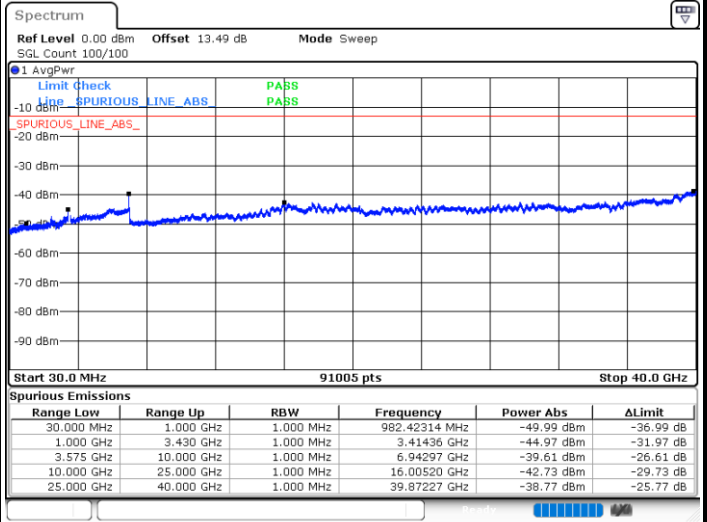
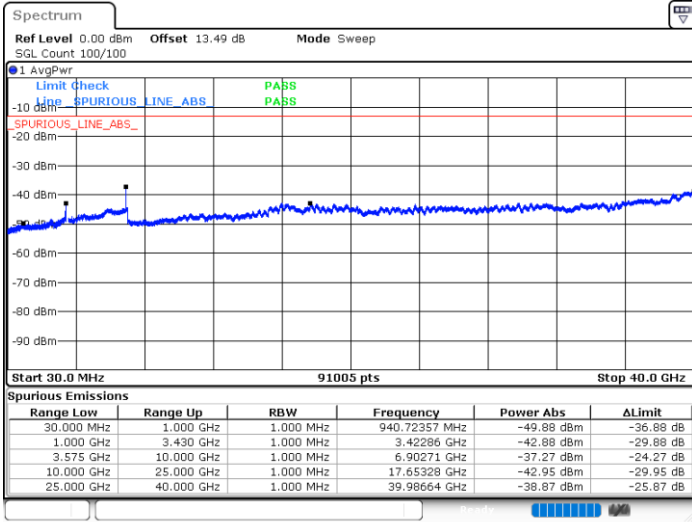
Date: 7.MAR.2022 21:38:59



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

Lowest Channel / 1RB1

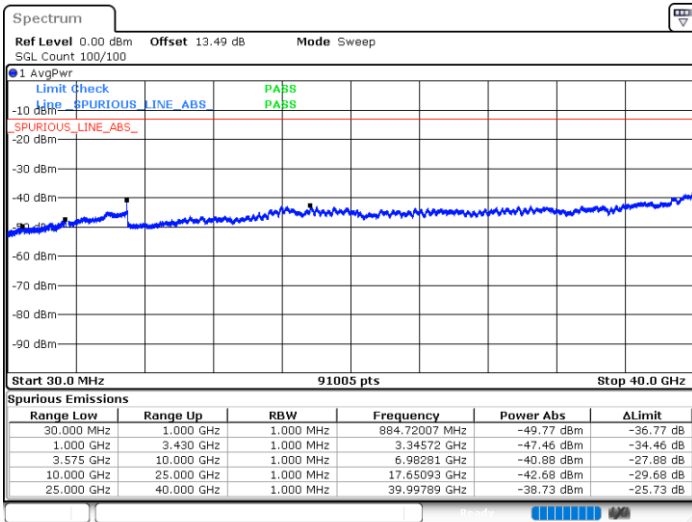
Middle Channel / 1RB1



Date: 8.MAR.2022 01:46:12

Date: 8.MAR.2022 01:47:53

Highest Channel / 1RB1



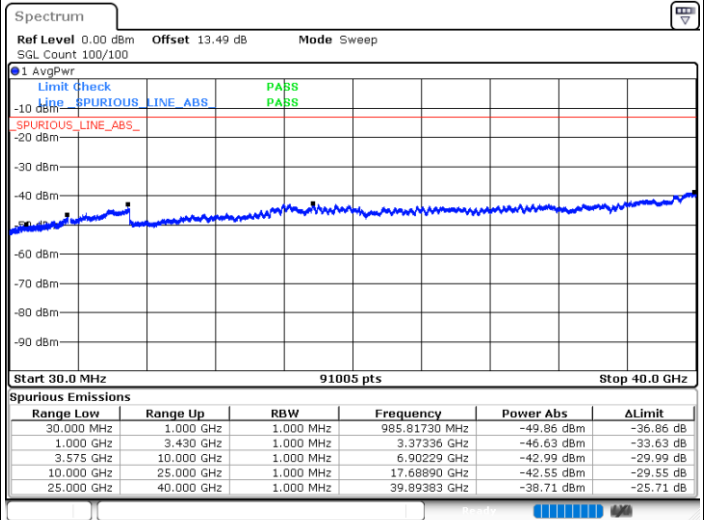
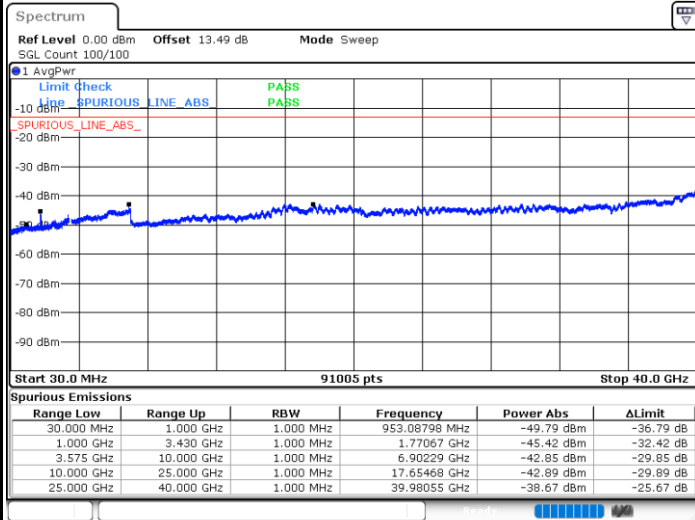
Date: 8.MAR.2022 01:49:10



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

Lowest Channel / 1RB1

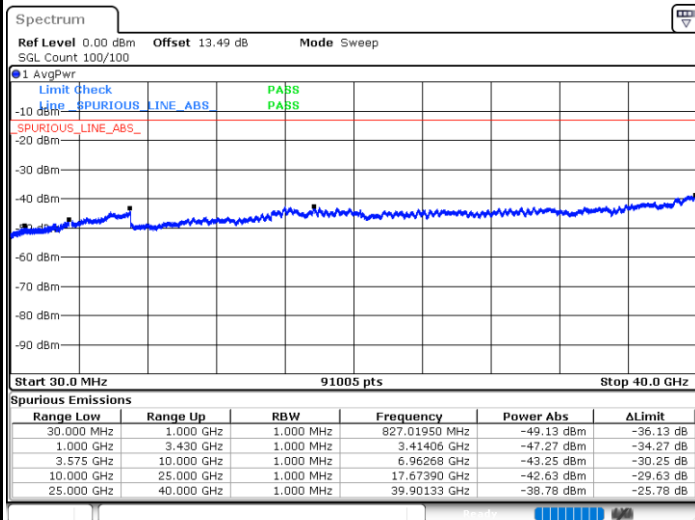
Middle Channel / 1RB1



Date: 8.MAR.2022 08:48:42

Date: 8.MAR.2022 08:39:19

Highest Channel / 1RB1



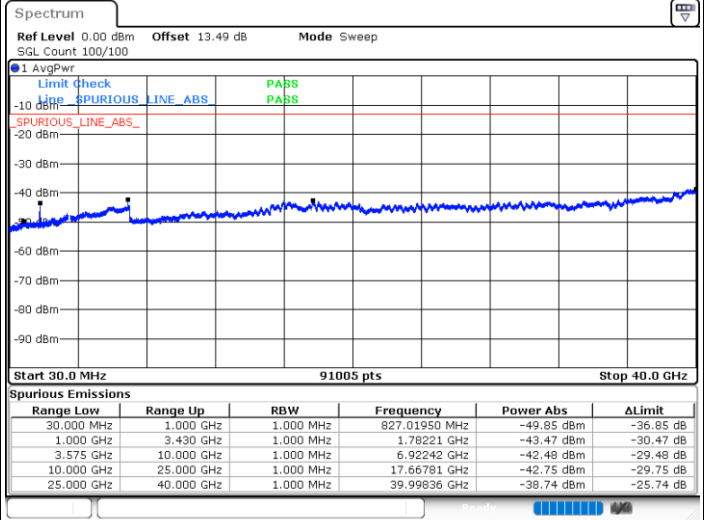
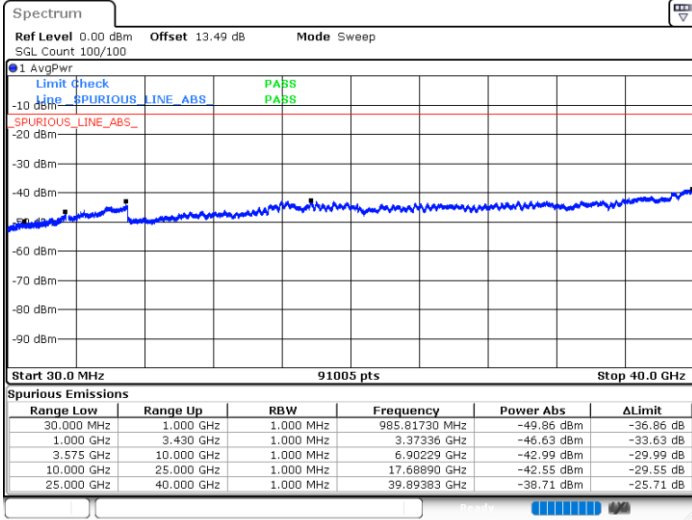
Date: 8.MAR.2022 09:11:45



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

Lowest Channel / 1RB1

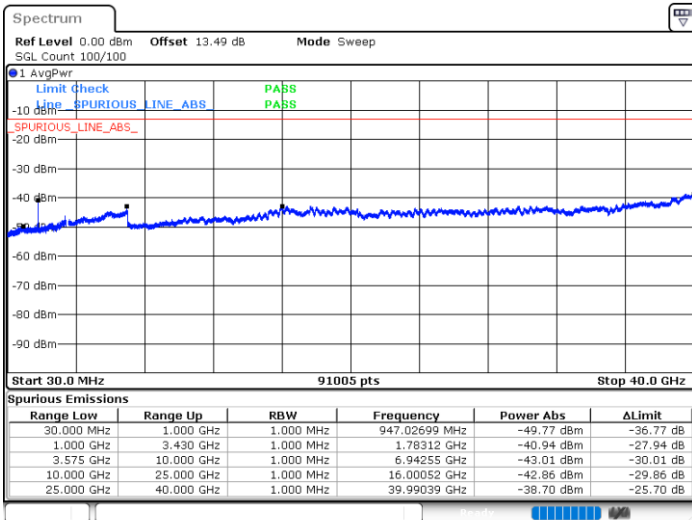
Middle Channel / 1RB1



Date: 8.MAR.2022 08:39:19

Date: 8.MAR.2022 08:37:25

Highest Channel / 1RB1



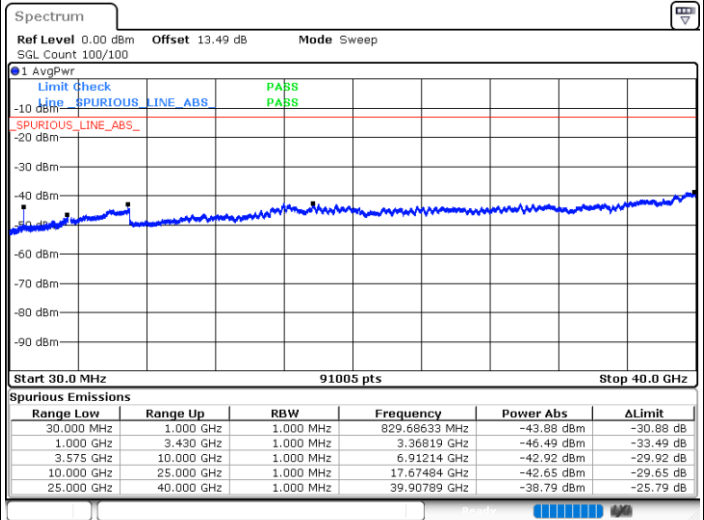
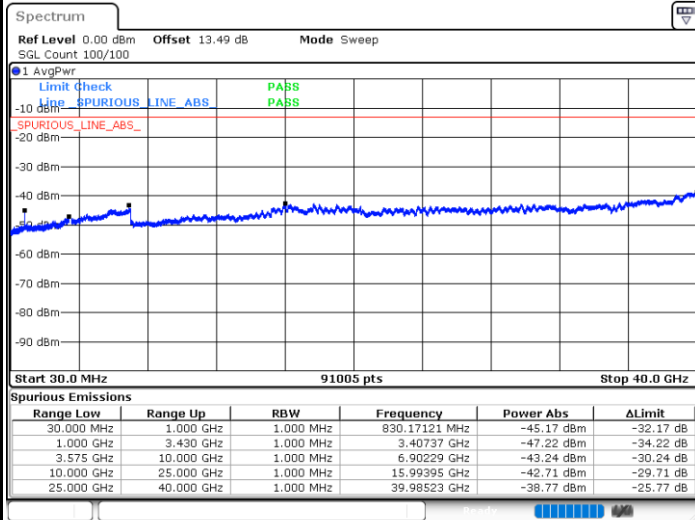
Date: 8.MAR.2022 08:35:52



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

Lowest Channel / 1RB1

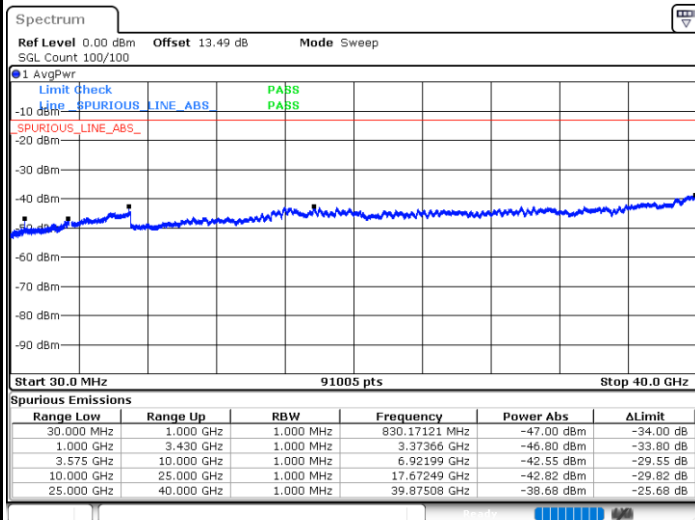
Middle Channel / 1RB1



Date: 8.MAR.2022 09:27:08

Date: 8.MAR.2022 09:25:48

Highest Channel / 1RB1

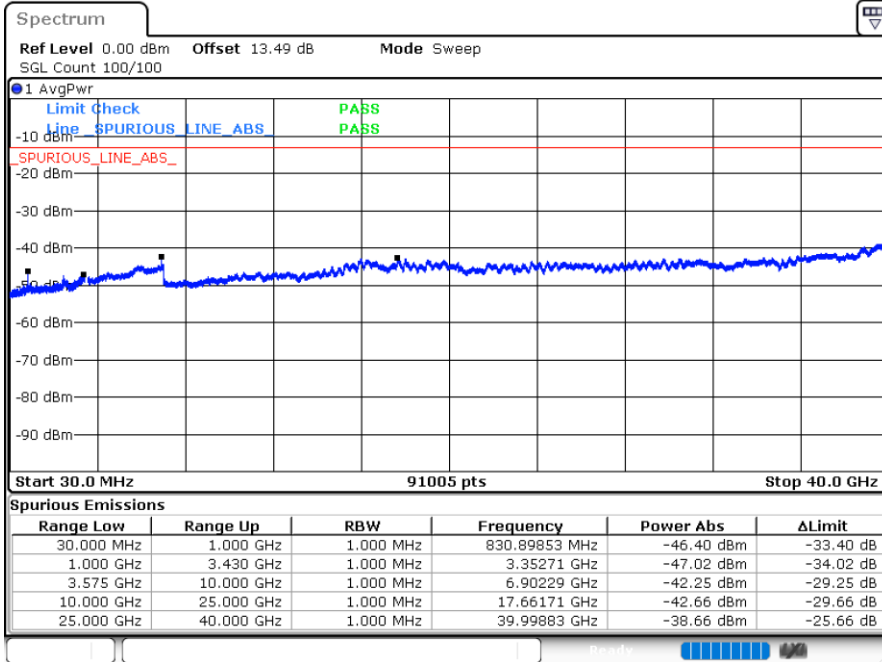


Date: 8.MAR.2022 09:43:23



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

Middle Channel / 1RB1



Date: 8.MAR.2022 09:52:55



### Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0039	
20	Battery End Point	0.0021	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 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%

SA n78 / 100MHz / QPSK / ANT4								
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	-61.89	-13	-48.89	-72.37	2.76	13.24	H
	10356	-56.50	-13	-43.50	-66.09	3.42	13.01	H
	13812	-58.82	-13	-45.82	-68.43	3.83	13.44	H
	6900	-62.55	-13	-49.55	-72.99	2.80	13.24	V
	10356	-51.68	-13	-38.68	-61.23	3.46	13.01	V
	13812	-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_7A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT1(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	6912	-64.39	-13	-51.39	-74.87	2.76	13.24	H
	10356	-57.94	-13	-44.94	-67.53	3.42	13.01	H
	13800	-57.92	-13	-44.92	-67.53	3.83	13.44	H
	6912	-63.46	-13	-50.46	-73.90	2.80	13.24	V
	10356	-59.66	-13	-46.66	-69.21	3.46	13.01	V
	13800	-60.10	-13	-47.10	-69.66	3.88	13.44	V

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





EN-DC_38A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT1(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	6912	-64.48	-13	-51.48	-74.96	2.76	13.24	H
	10356	-53.62	-13	-40.62	-63.21	3.42	13.01	H
	13800	-57.01	-13	-44.01	-66.62	3.83	13.44	H
	6912	-63.57	-13	-50.57	-74.01	2.80	13.24	V
	10356	-55.64	-13	-42.64	-65.19	3.46	13.01	V
	13800	-59.16	-13	-46.16	-68.72	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT1(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	6912	-63.39	-13	-50.39	-73.87	2.76	13.24	H
	10356	-56.14	-13	-43.14	-65.73	3.42	13.01	H
	13800	-52.01	-13	-39.01	-61.62	3.83	13.44	H
	6912	-63.15	-13	-50.15	-73.59	2.80	13.24	V
	10356	-58.27	-13	-45.27	-67.82	3.46	13.01	V
	13800	-59.58	-13	-46.58	-69.14	3.88	13.44	V

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