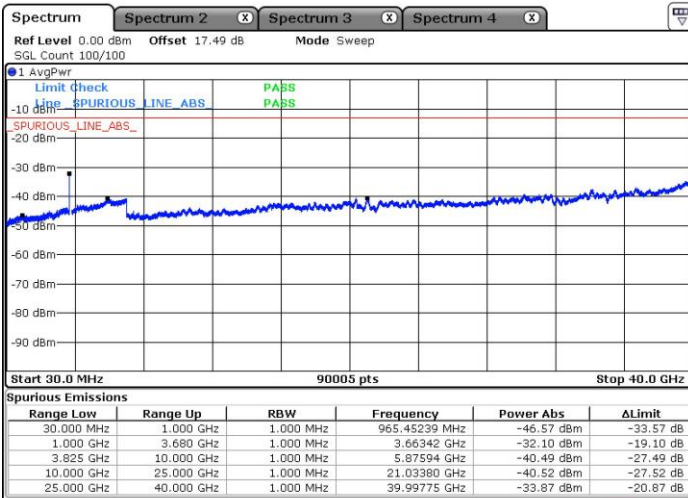




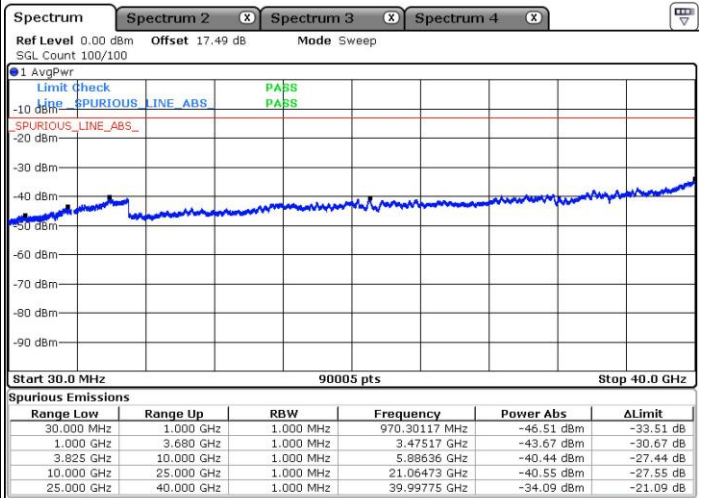
FR1 n78 / 40MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

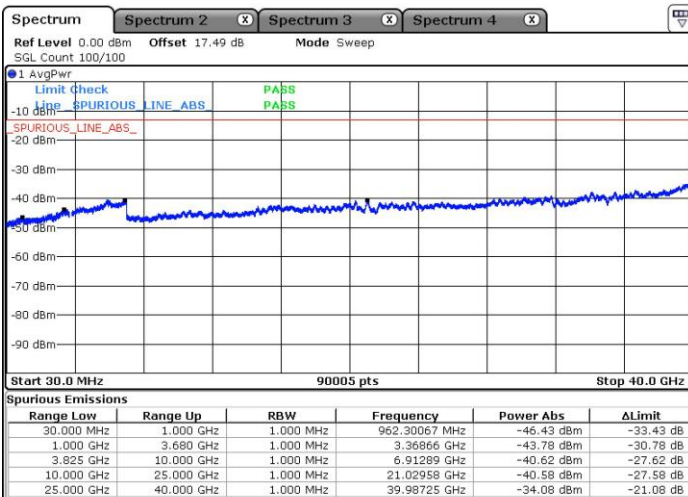


Date: 29.NOV.2021 12:31:05



Date: 29.NOV.2021 12:29:21

Highest Channel / 1RB0



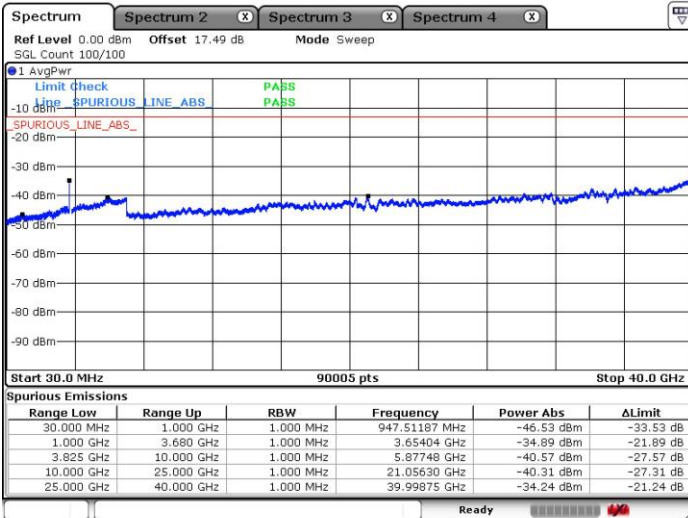
Date: 29.NOV.2021 12:48:58



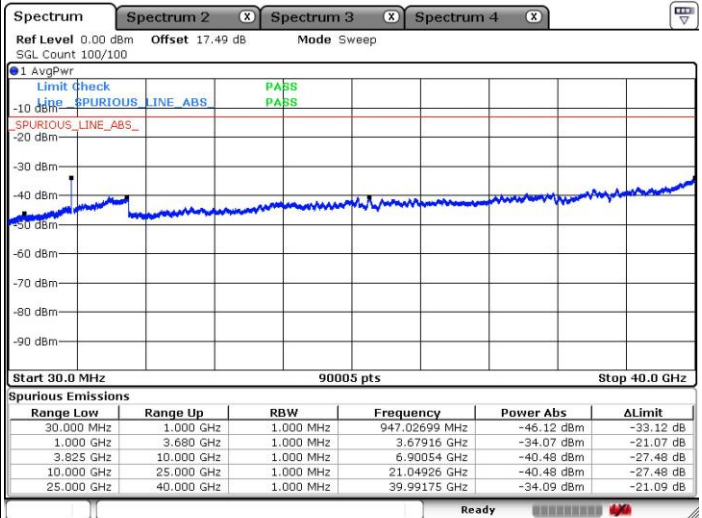
FR1 n78 / 50MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

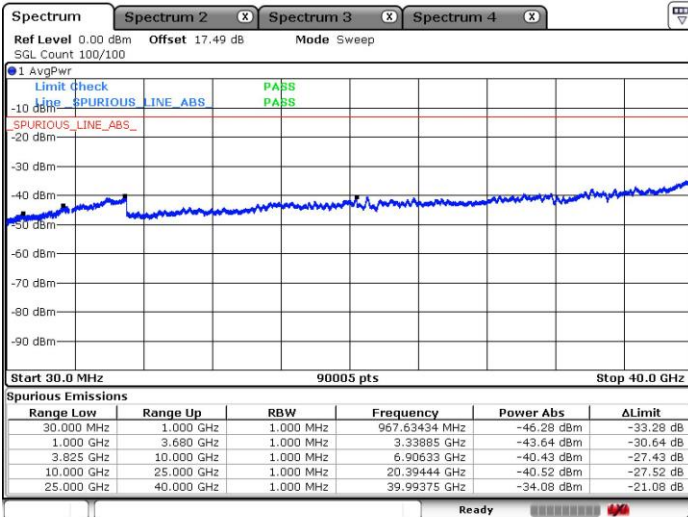


Date: 29.NOV.2021 11:12:05



Date: 29.NOV.2021 11:09:44

Highest Channel / 1RB0



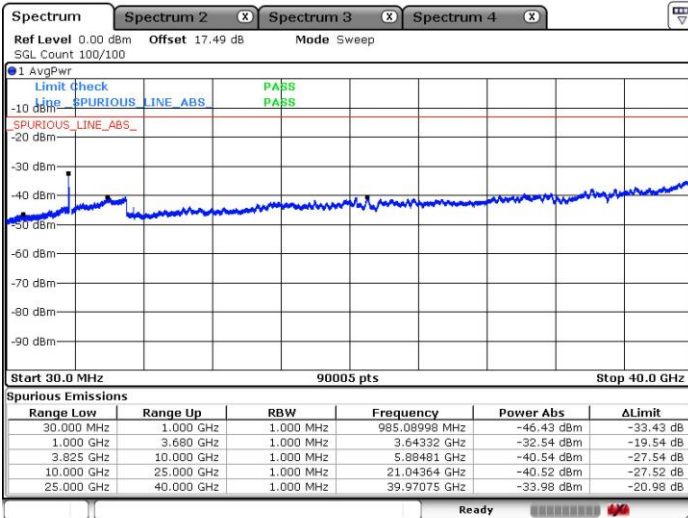
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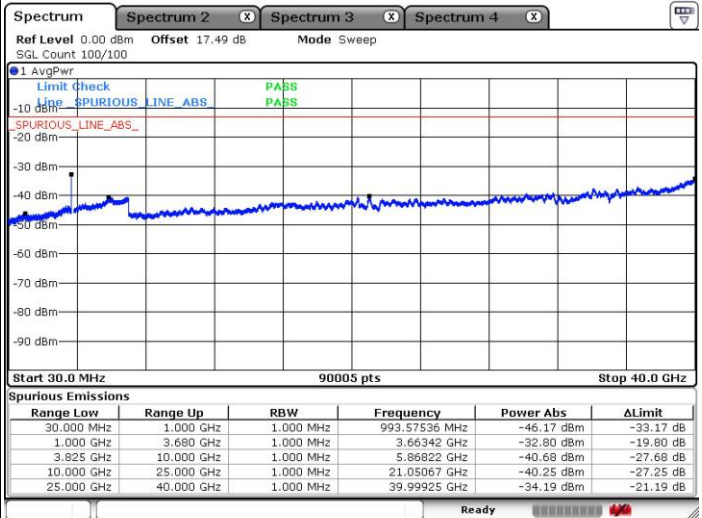
FR1 n78 / 60MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

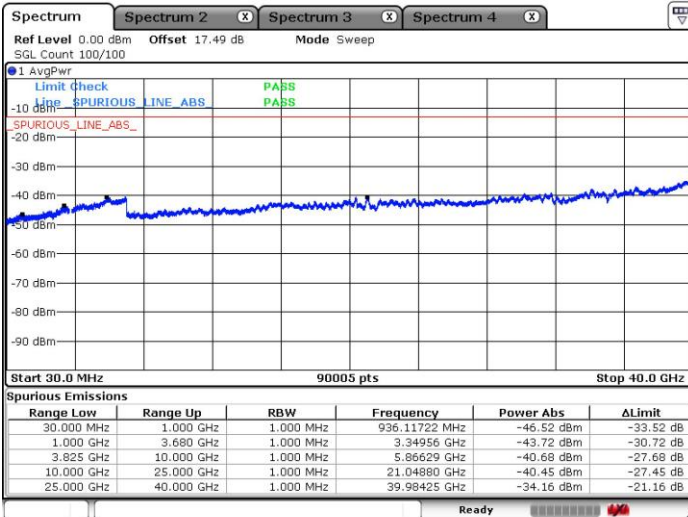


Date: 29.NOV.2021 11:37:33



Date: 29.NOV.2021 11:34:11

Highest Channel / 1RB0



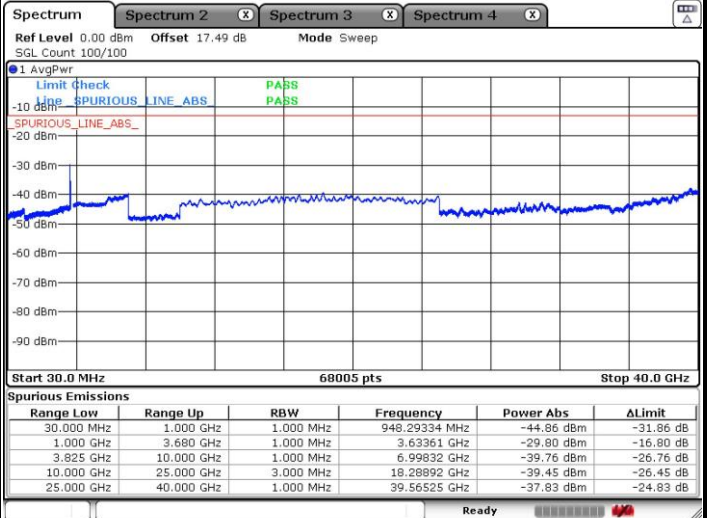
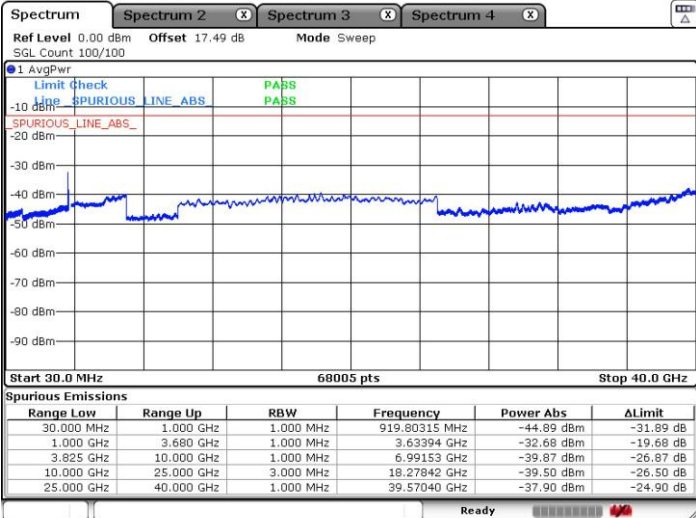
Date: 29.NOV.2021 11:44:55



FR1 n78 / 70MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

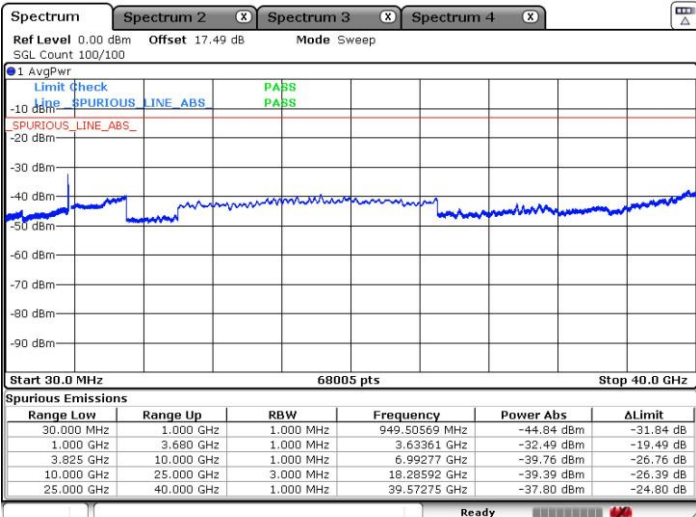
Middle Channel / 1RB0



Date: 3.DEC.2021 02:36:33

Date: 3.DEC.2021 02:34:05

Highest Channel / 1RB0



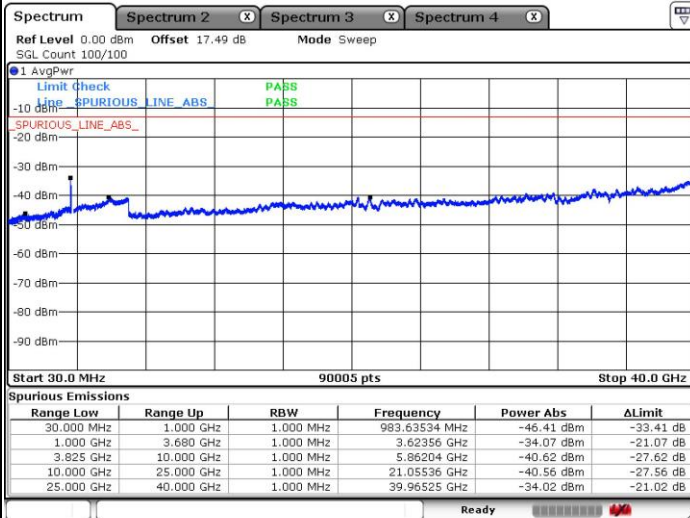
Date: 3.DEC.2021 02:35:22



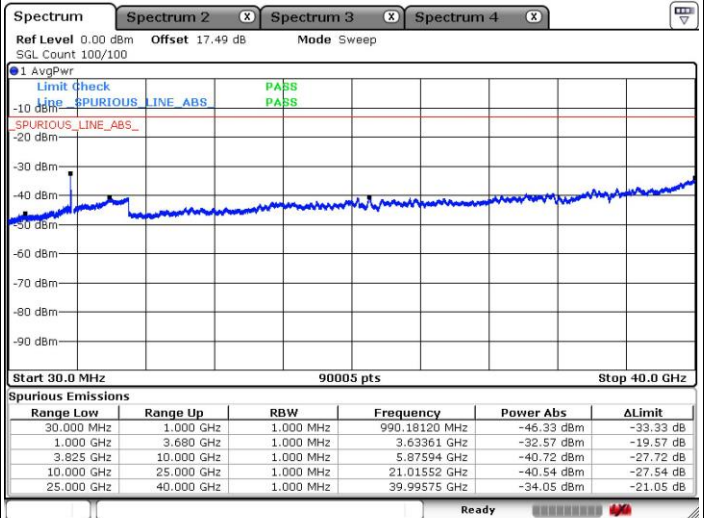
FR1 n78 / 80MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

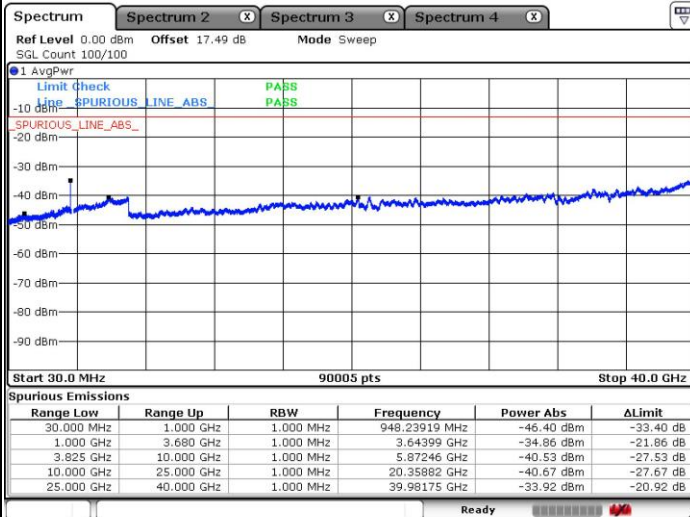


Date: 29.NOV.2021 12:08:59



Date: 29.NOV.2021 12:06:21

Highest Channel / 1RB0



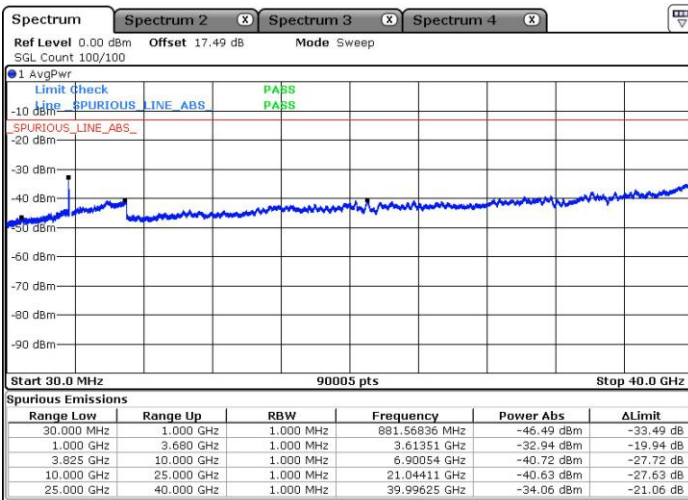
Date: 29.NOV.2021 12:10:25



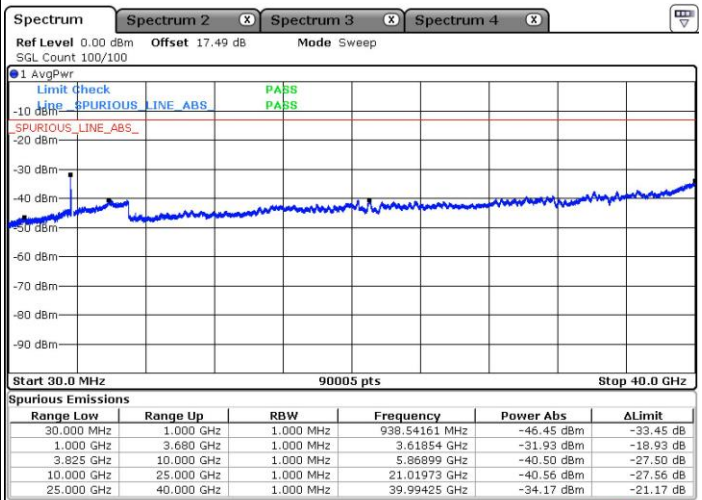
FR1 n78 / 90MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

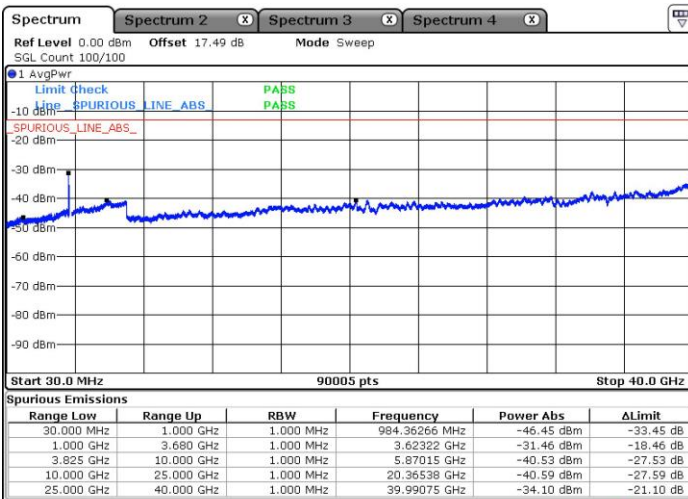


Date: 29.NOV.2021 12:15:23



Date: 29.NOV.2021 12:13:47

Highest Channel / 1RB0

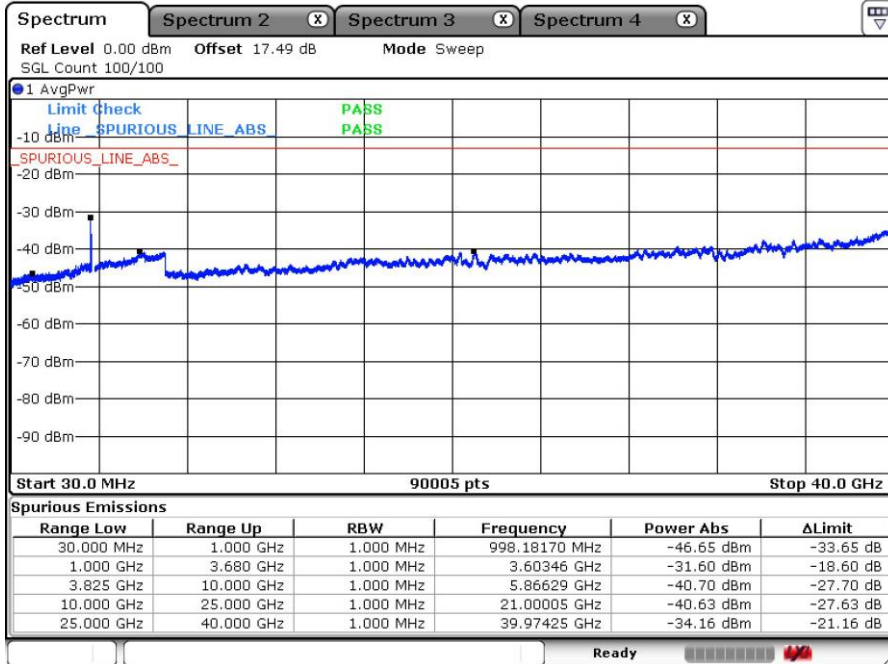


Date: 29.NOV.2021 12:16:46



FR1 n78 / 100MHz / CP OFDM / QPSK

Middle Channel / 1RB0



Date: 29.NOV.2021 03:45:29



Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0226	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0026	
20	Battery End Point	0.00015	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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 combinations for EN-DC mode, we choose the worst antenna mode to test.

SA n77 / NR 100MHz / QPSK DFT-s-OFDM / ANT11(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	-63.51	-13	-50.51	-73.99	2.76	13.24	H
	11376	-54.69	-13	-41.69	-64.28	3.42	13.01	H
	15180	-61.64	-13	-48.64	-71.25	3.83	13.44	H
	7590	-63.61	-13	-50.61	-74.05	2.80	13.24	V
	11376	-57.39	-13	-44.39	-66.94	3.46	13.01	V
	15180	-61.25	-13	-48.25	-70.81	3.88	13.44	V

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

n77 UL MIMO / NR 100MHz / QPSK DFT-s-OFDM / ANT11+12(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	-62.98	-13	-49.98	-73.46	2.76	13.24	H
	11376	-53.75	-13	-40.75	-63.34	3.42	13.01	H
	15180	-60.77	-13	-47.77	-70.38	3.83	13.44	H
	7584	-62.76	-13	-49.76	-73.20	2.80	13.24	V
	11376	-57.64	-13	-44.64	-67.19	3.46	13.01	V
	15180	-60.96	-13	-47.96	-70.52	3.88	13.44	V

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



SA n78 / NR 100MHz / QPSK DFT-s-OFDM / ANT11(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	7410	-64.44	-13	-51.44	-74.92	2.76	13.24	H
	11106	-55.76	-13	-42.76	-65.35	3.42	13.01	H
	14820	-60.78	-13	-47.78	-70.39	3.83	13.44	H
	7410	-64.31	-13	-51.31	-74.75	2.80	13.24	V
	11106	-57.48	-13	-44.48	-67.03	3.46	13.01	V
	14820	-61.20	-13	-48.20	-70.76	3.88	13.44	V

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

EN-DC_2A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3 (LTE) & ANT12(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	7410	-63.69	-13	-50.69	-74.17	2.76	13.24	H
	11106	-55.72	-13	-42.72	-65.31	3.42	13.01	H
	14820	-61.34	-13	-48.34	-70.95	3.83	13.44	H
	7410	-63.99	-13	-50.99	-74.43	2.80	13.24	V
	11106	-58.30	-13	-45.30	-67.85	3.46	13.01	V
	14820	-61.47	-13	-48.47	-71.03	3.88	13.44	V

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

EN-DC_38A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT12(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	7410	-64.21	-13	-51.21	-74.69	2.76	13.24	H
	11106	-55.19	-13	-42.19	-64.78	3.42	13.01	H
	14820	-61.08	-13	-48.08	-70.69	3.83	13.44	H
	7410	-64.07	-13	-51.07	-74.51	2.80	13.24	V
	11106	-59.13	-13	-46.13	-68.68	3.46	13.01	V
	14820	-61.19	-13	-48.19	-70.75	3.88	13.44	V

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



EN-DC_41A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT12(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	7410	-63.88	-13	-50.88	-74.36	2.76	13.24	H
	11106	-56.45	-13	-43.45	-66.04	3.42	13.01	H
	14820	-60.99	-13	-47.99	-70.60	3.83	13.44	H
	7410	-64.07	-13	-51.07	-74.51	2.80	13.24	V
	11106	-57.51	-13	-44.51	-67.06	3.46	13.01	V
	14820	-61.05	-13	-48.05	-70.61	3.88	13.44	V

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

EN-DC_5A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT11(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	7410	-64.25	-13	-51.25	-74.73	2.76	13.24	H
	11106	-54.84	-13	-41.84	-64.43	3.42	13.01	H
	14820	-61.67	-13	-48.67	-71.28	3.83	13.44	H
	7410	-64.08	-13	-51.08	-74.52	2.80	13.24	V
	11106	-57.32	-13	-44.32	-66.87	3.46	13.01	V
	14820	-61.65	-13	-48.65	-71.21	3.88	13.44	V

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

EN-DC_66A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT12(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	7410	-63.82	-13	-50.82	-74.30	2.76	13.24	H
	11106	-54.79	-13	-41.79	-64.38	3.42	13.01	H
	14820	-60.91	-13	-47.91	-70.52	3.83	13.44	H
	7410	-63.74	-13	-50.74	-74.18	2.80	13.24	V
	11106	-55.88	-13	-42.88	-65.43	3.46	13.01	V
	14820	-60.95	-13	-47.95	-70.51	3.88	13.44	V

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



EN-DC_7A_n78 / LTE 10MHz + NR 100MHz / QPSK / ANT3(LTE) & ANT12(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	7410	-63.39	-13	-50.39	-73.87	2.76	13.24	H
	11106	-54.90	-13	-41.90	-64.49	3.42	13.01	H
	14820	-60.72	-13	-47.72	-70.33	3.83	13.44	H
	7410	-63.71	-13	-50.71	-74.15	2.80	13.24	V
	11106	-56.65	-13	-43.65	-66.20	3.46	13.01	V
	14820	-60.91	-13	-47.91	-70.47	3.88	13.44	V

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

n78 UL MIMO / NR 100MHz / QPSK DFT-s-OFDM / ANT11+12(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	-63.92	-13	-50.92	-74.40	2.76	13.24	H
	11106	-57.42	-13	-44.42	-67.01	3.42	13.01	H
	14820	-60.59	-13	-47.59	-70.20	3.83	13.44	H
	7404	-62.90	-13	-49.90	-73.34	2.80	13.24	V
	11106	-56.47	-13	-43.47	-66.02	3.46	13.01	V
	14820	-60.72	-13	-47.72	-70.28	3.88	13.44	V

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