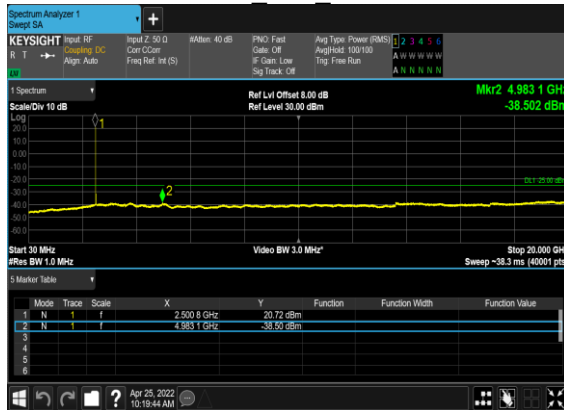
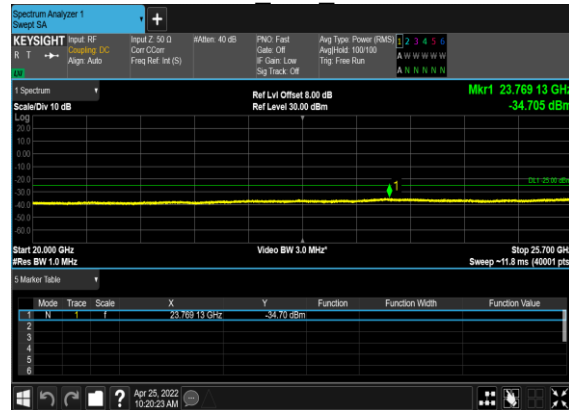
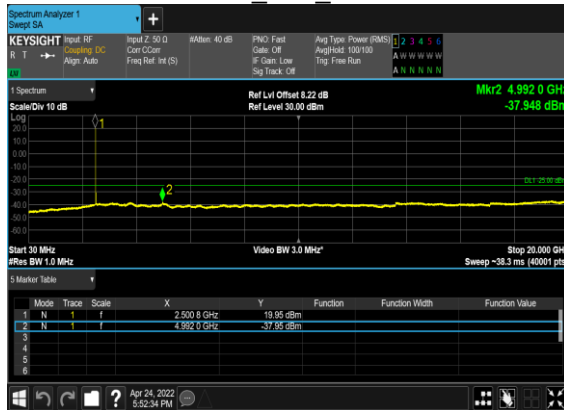
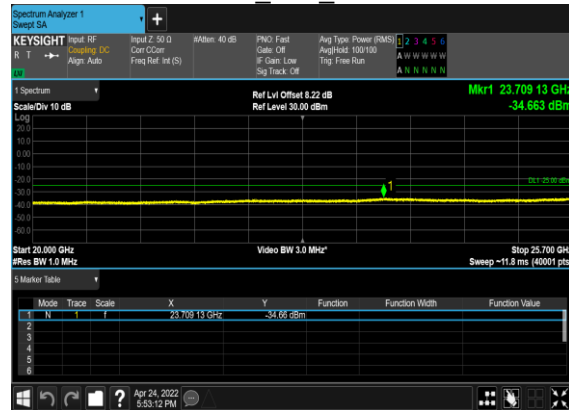
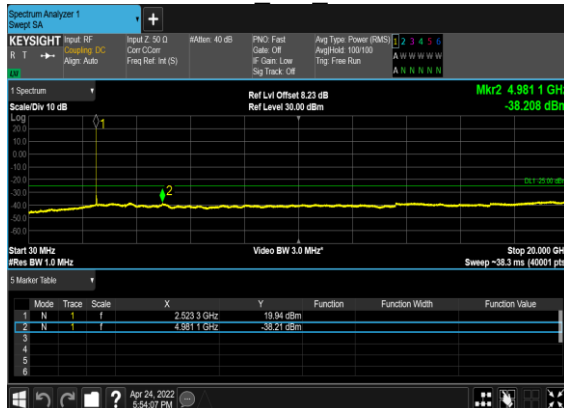
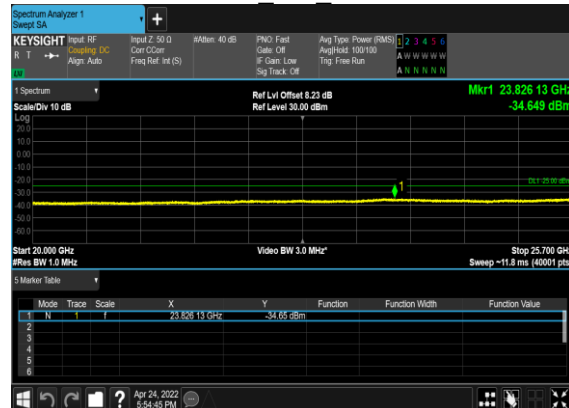
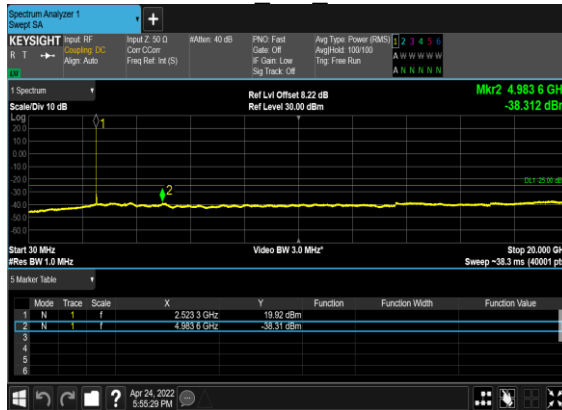
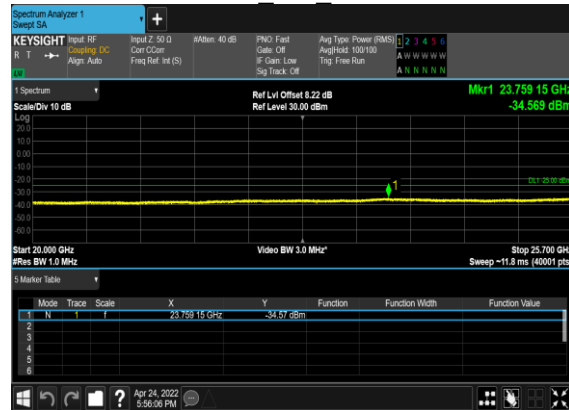
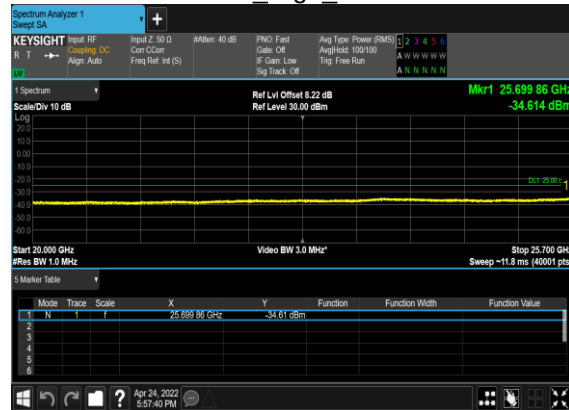
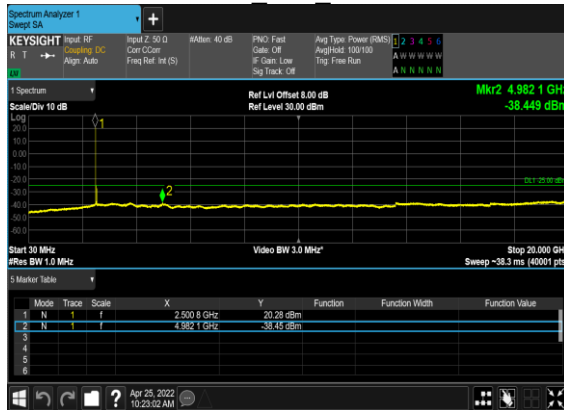
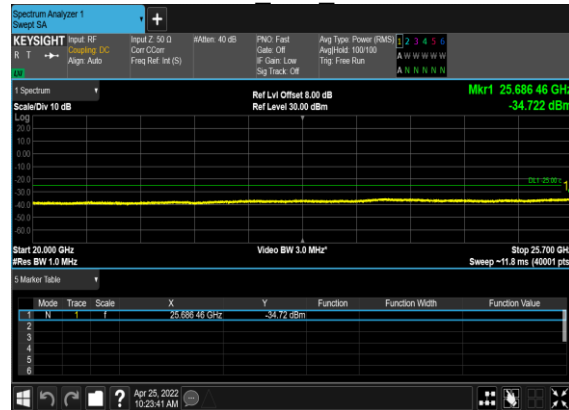
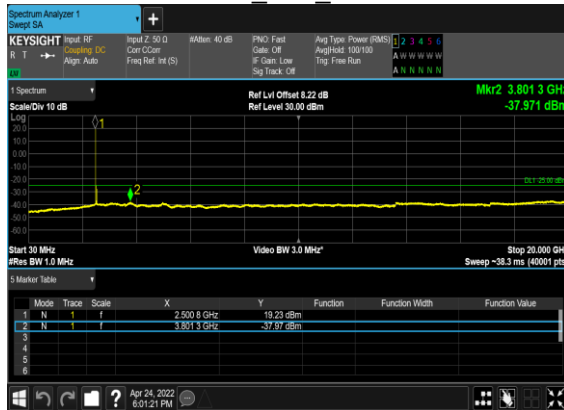
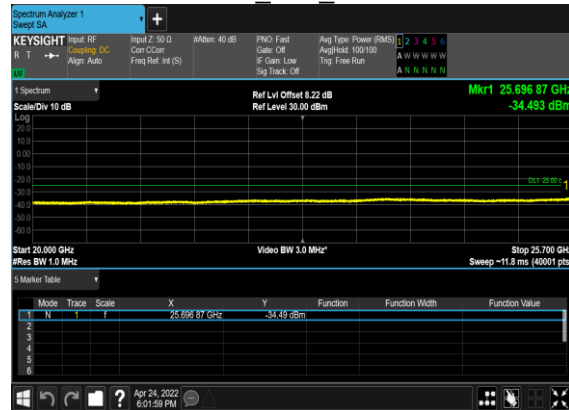
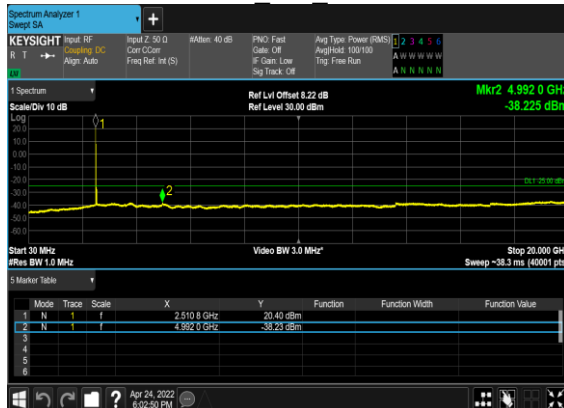
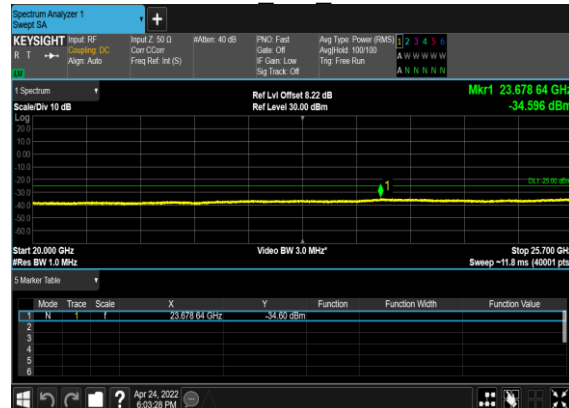
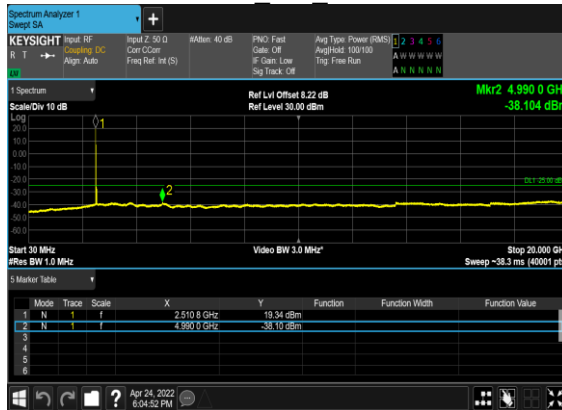
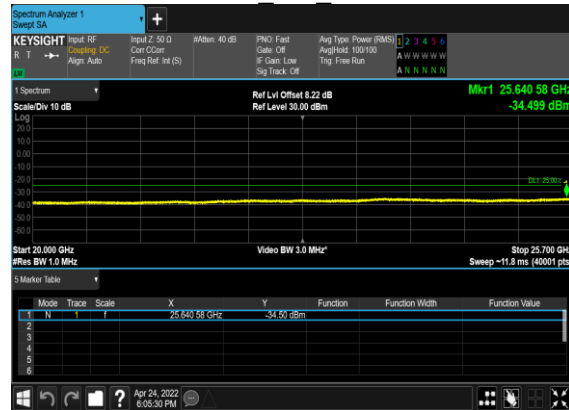
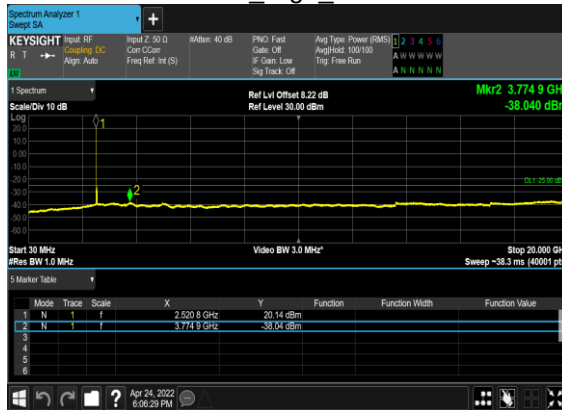
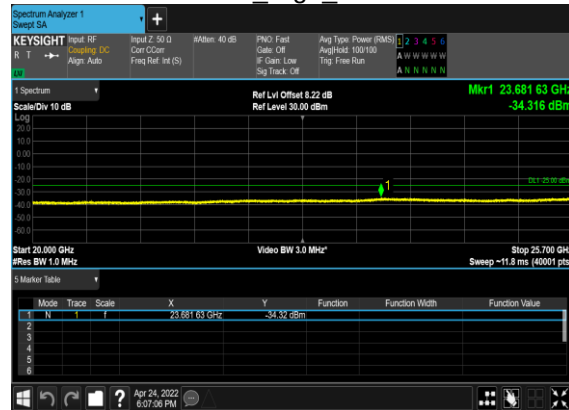
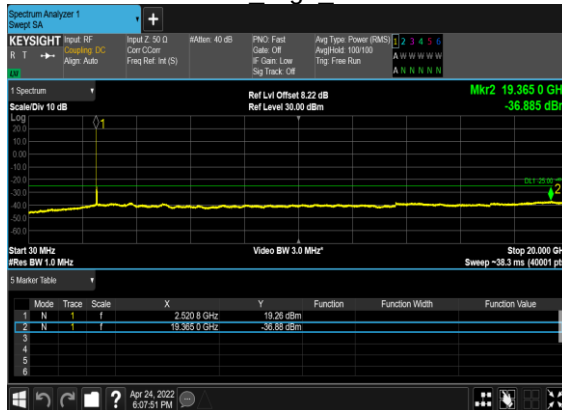
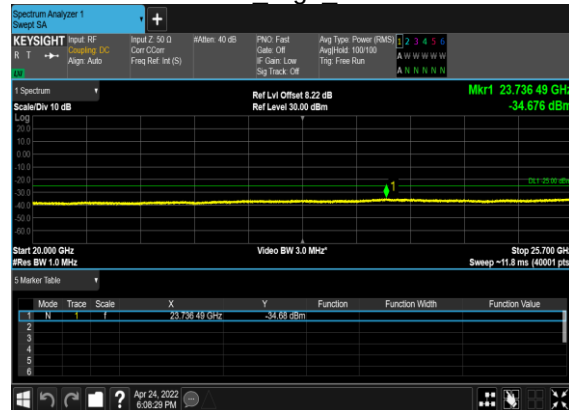


N7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Low CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Low CHN7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Mid CHN7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Mid CH

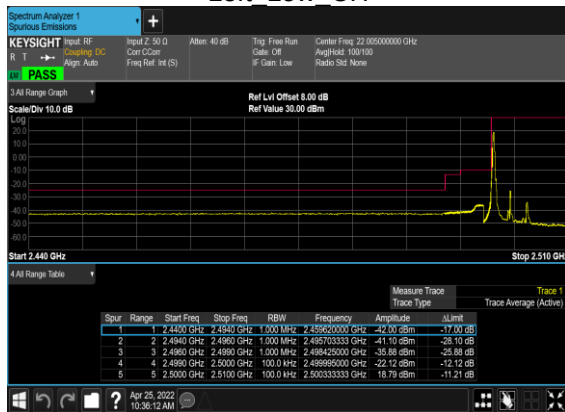
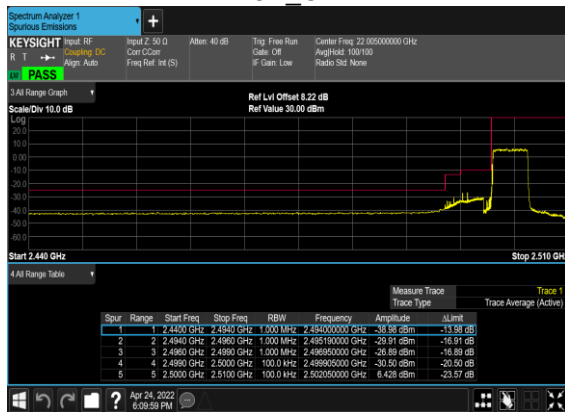
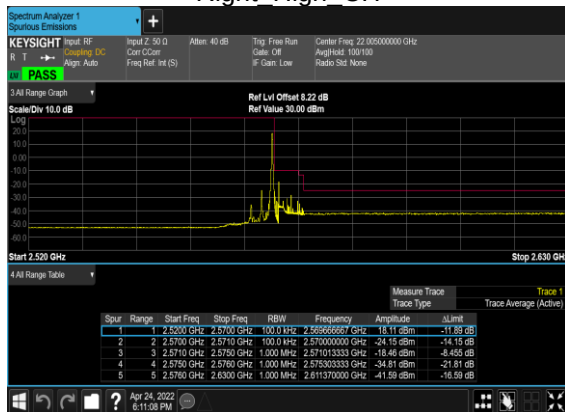
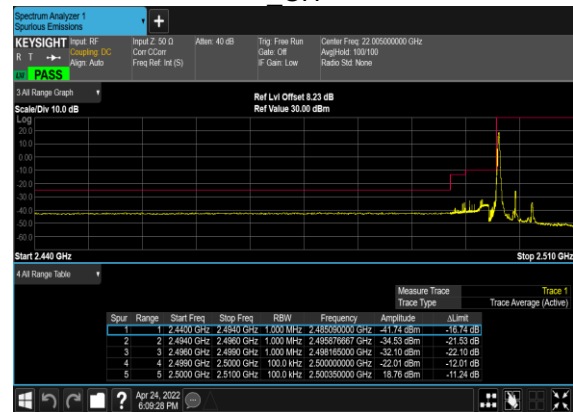
N7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Mid CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Mid CHN7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left High CHN7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left High CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left High CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left High CH

N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Low CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Low CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Mid CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Mid CH

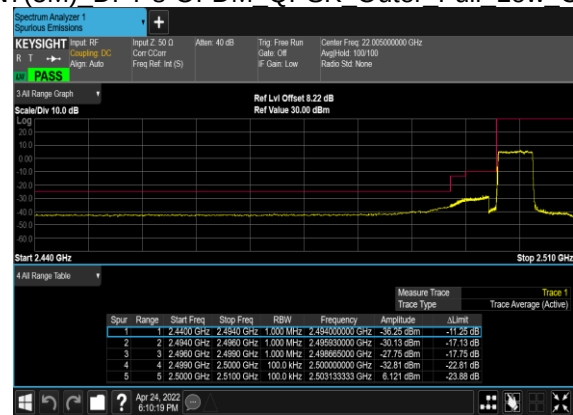
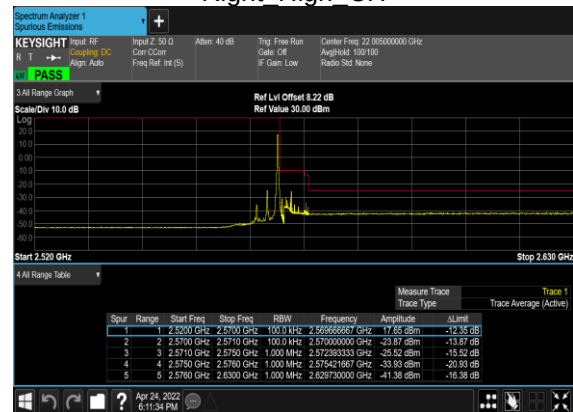
N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Mid CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left Mid CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left High CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left High CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left High CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Left High CH

**Conducted Band Edge**

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

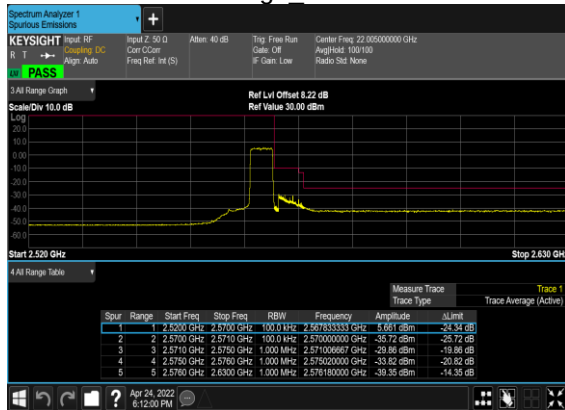
N7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(5M)_DFT-s-OFDM_BPSK_Outer_Full_
Low CHN7(5M)_DFT-s-OFDM_BPSK_Edge_1RB_
Right High CHN7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low
CH

N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low CH

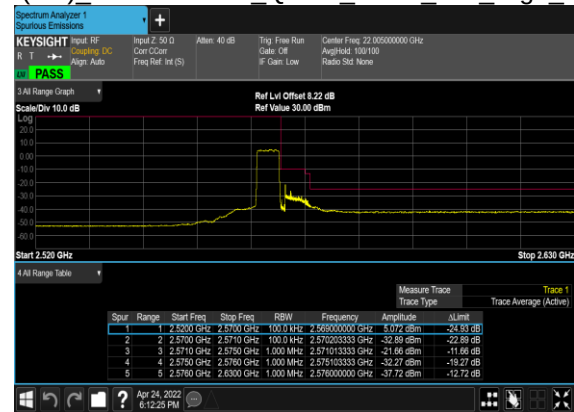
N7(5M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right High CH



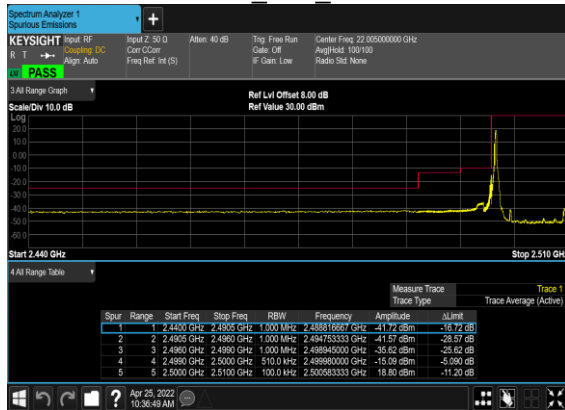
N7(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



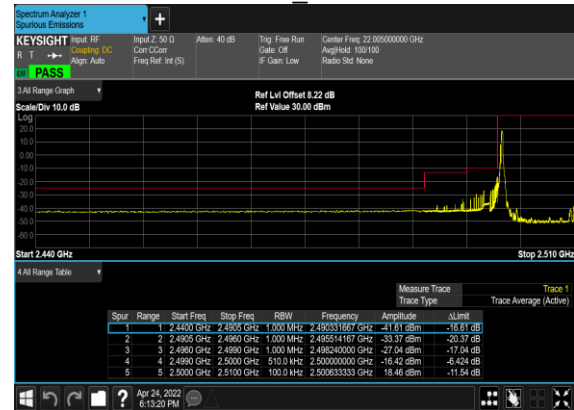
N7(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



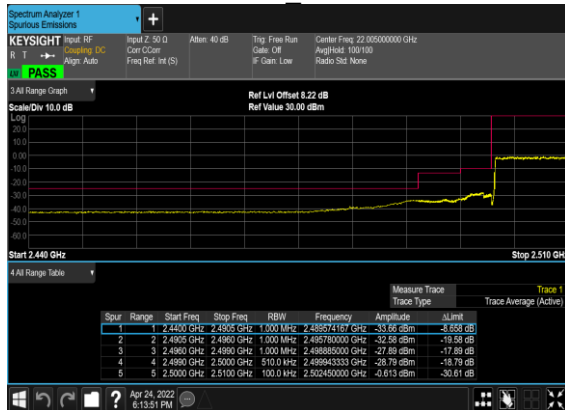
N7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



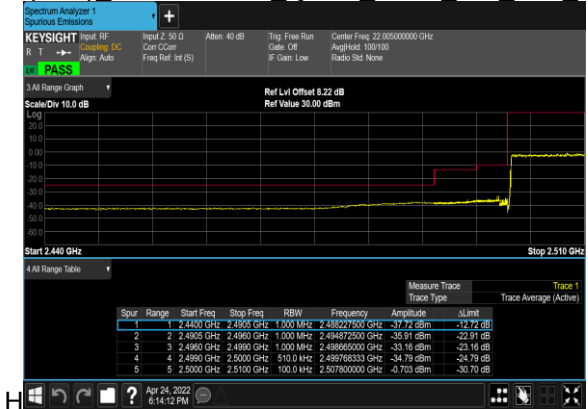
N7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

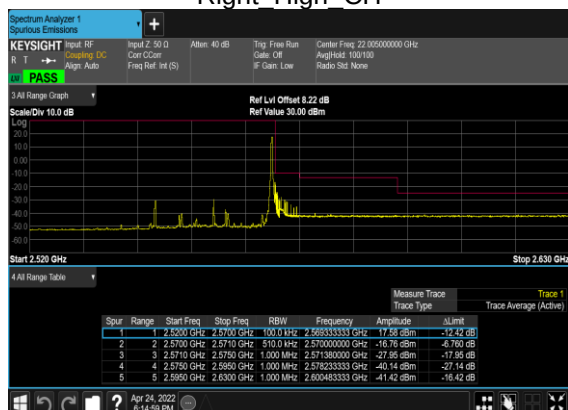
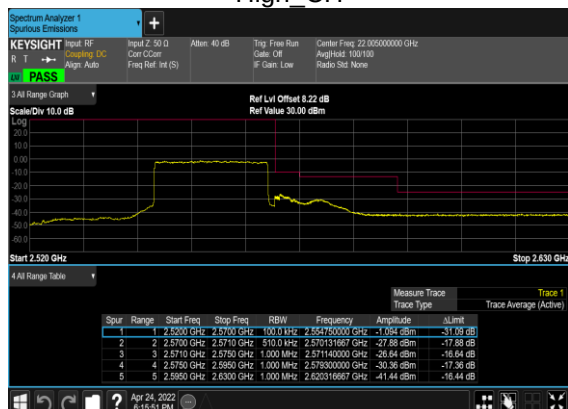
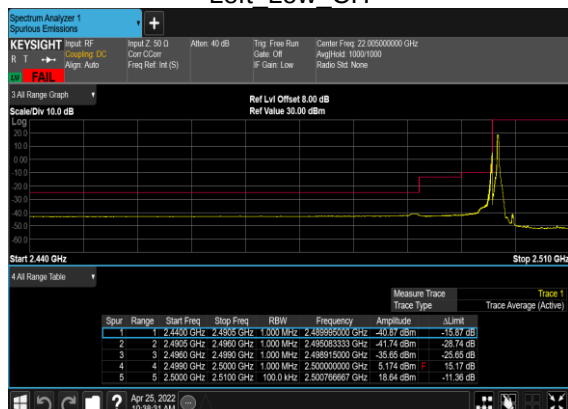
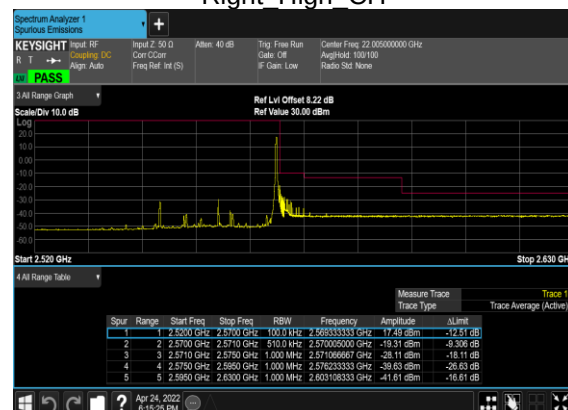


N7(25M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

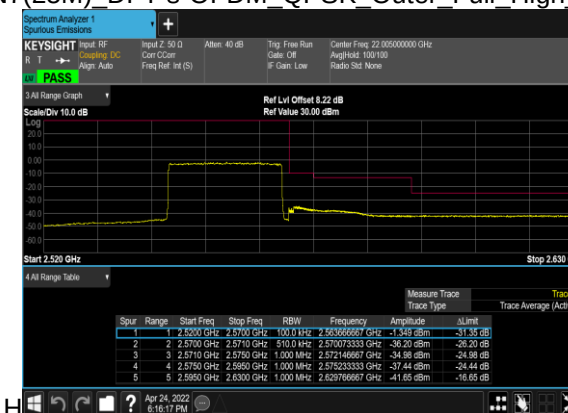
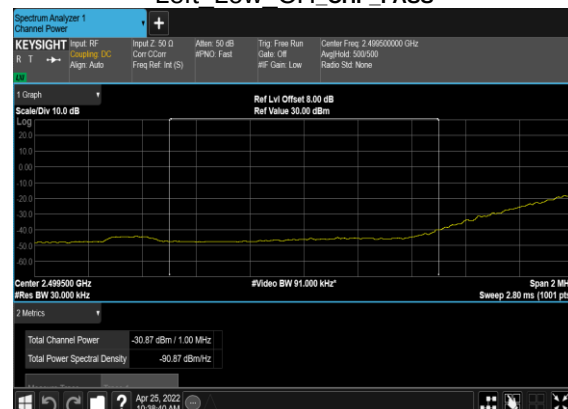


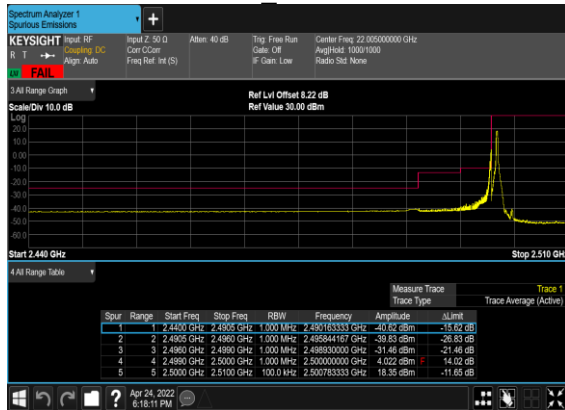
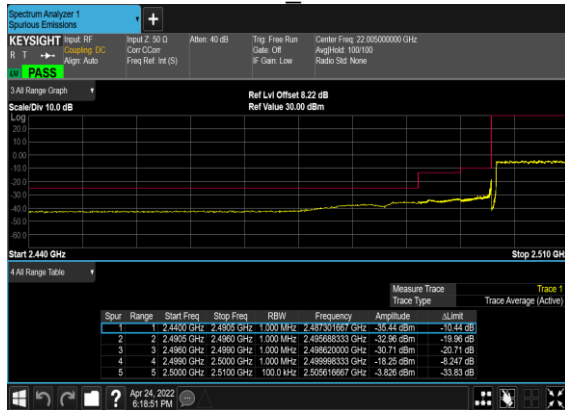
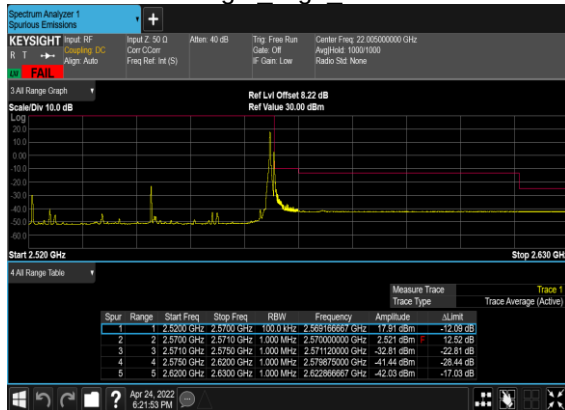
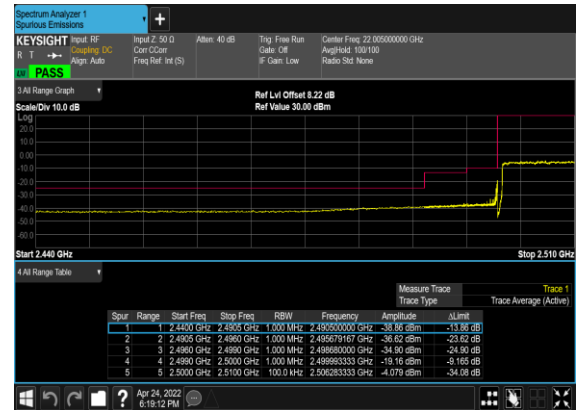
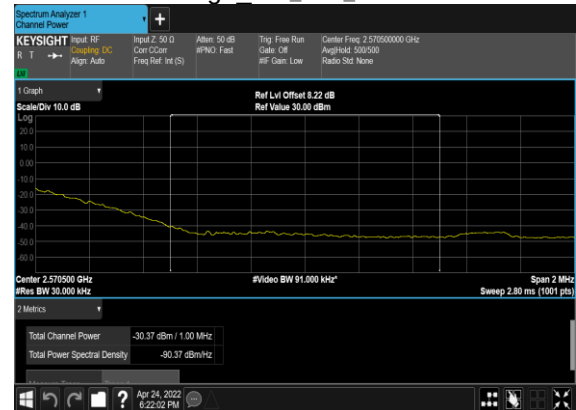
N7(25M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

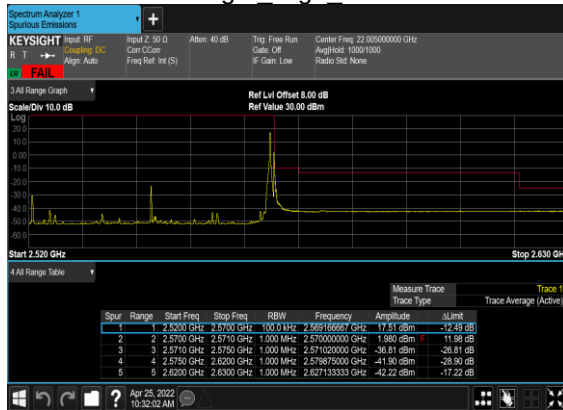


N7(25M)_DFT-s-OFDM_BPSK_Edge_1RB_
Right High CHN7(25M)_DFT-s-OFDM_BPSK_Outer_Full_
High CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CHN7(25M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right High CH

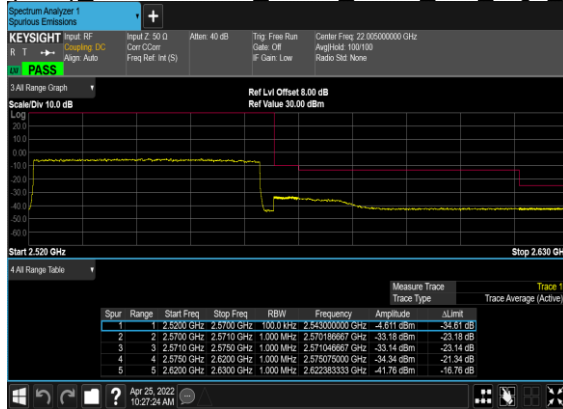
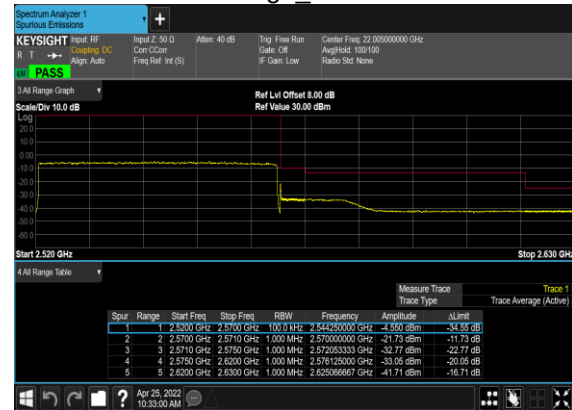
N7(25M)_DFT-s-OFDM_QPSK_Outer_Full_High C

N7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Left Low CH CHP_PASS

N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low
CHN7(50M)_DFT-s-OFDM_BPSK_Outer_Full_
Low CHN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_
Right High CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_
Low CH_CHP_PASSN7(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_C
HN7(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_
High CH_CHP_PASS

N7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right High CHN7(50M)_DFT-s-OFDM_QPSK_Edge_1RB_
Right High CH_CHP_PASS

N7(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N7(50M)_DFT-s-OFDM_QPSK_Outer_Full_
High_CH



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 n5 / NR 25MHz(ANT0) / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-65.06	-13	-52.06	-72.03	1.58	10.70	H
	2480	-61.05	-13	-48.05	-69.30	2.10	12.50	H
	3312	-59.80	-13	-46.80	-68.69	2.86	13.90	H
	1656	-64.08	-13	-51.08	-71.05	1.58	10.70	V
	2480	-59.02	-13	-46.02	-67.27	2.10	12.50	V
	3312	-60.20	-13	-47.20	-69.09	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 20MHz(ANT0) + NR 25MHz(ANT1) / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-62.51	-13	-49.51	-69.48	1.58	10.70	H
	2480	-58.12	-13	-45.12	-66.37	2.10	12.50	H
	3312	-58.18	-13	-45.18	-67.07	2.86	13.90	H
	1656	-61.53	-13	-48.53	-68.50	1.58	10.70	V
	2480	-55.71	-13	-42.71	-63.96	2.10	12.50	V
	3312	-57.92	-13	-44.92	-66.81	2.86	13.90	V

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

SA n7 / NR 50MHz(ANT1) / QPSK								
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	5055	-63.97	-25	-38.97	-74.18	3.03	13.24	H
	7575	-56.51	-25	-31.51	-65.96	3.56	13.01	H
	10110	-62.72	-25	-37.72	-72.24	3.92	13.44	H
	5055	-59.42	-25	-34.42	-69.63	3.03	13.24	V
	7575	-56.31	-25	-31.31	-65.76	3.56	13.01	V
	10110	-63.66	-25	-38.66	-73.18	3.92	13.44	V

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

EN-DC_5A_n7A / LTE 10MHz(ANT0) + NR 50MHz(ANT1) / QPSK								
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	5055	-62.89	-25	-37.89	-73.10	3.03	13.24	H
	7575	-61.90	-25	-36.90	-71.35	3.56	13.01	H
	10110	-60.74	-25	-35.74	-70.26	3.92	13.44	H
	5055	-63.17	-25	-38.17	-73.38	3.03	13.24	V
	7575	-61.65	-25	-36.65	-71.10	3.56	13.01	V
	10110	-60.87	-25	-35.87	-70.39	3.92	13.44	V

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

EN-DC_7A_n7A / LTE 20MHz(ANT0) + NR 50MHz(ANT2) / QPSK								
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	5055	-62.89	-25	-37.89	-73.10	3.03	13.24	H
	7575	-61.90	-25	-36.90	-71.35	3.56	13.01	H
	10110	-60.74	-25	-35.74	-70.26	3.92	13.44	H
	5055	-63.17	-25	-38.17	-73.38	3.03	13.24	V
	7575	-61.65	-25	-36.65	-71.10	3.56	13.01	V
	10110	-60.87	-25	-35.87	-70.39	3.92	13.44	V

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

SA n41 / NR 100MHz(ANT1) / QPSK								
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	5100	-63.67	-25	-38.67	-73.88	3.03	13.24	H
	7650	-62.53	-25	-37.53	-71.98	3.56	13.01	H
	10185	-61.34	-25	-36.34	-70.86	3.92	13.44	H
	5100	-63.06	-25	-38.06	-73.27	3.03	13.24	V
	7650	-62.46	-25	-37.46	-71.91	3.56	13.01	V
	10185	-61.95	-25	-36.95	-71.47	3.92	13.44	V

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



Test Engineer :	KuangJia/Zhao Hui Liang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

5G NR CA n7A n78A/QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle (ANT.0)	5310.00	-63.66	-13	-50.66	-80.08	-69.22	7.14	12.70	H
	7965.00	-56.30	-13	-43.30	-79.85	-59.60	8.30	11.60	H
	10620.00	-53.94	-13	-40.94	-81.18	-55.46	10.48	12.00	H
	5310.00	-63.66	-13	-50.66	-80.21	-69.22	7.14	12.70	V
	7965.00	-56.18	-13	-43.18	-79.79	-59.48	8.30	11.60	V
	10620.00	-53.78	-13	-40.78	-80.91	-55.30	10.48	12.00	V
NR n78 Middle (3750MHz) (Default)	7500.00	-57.19	-13	-44.19	-79.52	-62.75	7.14	12.70	H
	11250.00	-51.28	-13	-38.28	-80.76	-54.58	8.30	11.60	H
	15003.00	-48.30	-13	-35.30	-79.62	-49.82	10.48	12.00	H
	7500.00	-57.60	-13	-44.60	-79.84	-63.16	7.14	12.70	V
	11250.00	-51.39	-13	-38.39	-80.63	-54.69	8.30	11.60	V
	15003.00	-47.69	-13	-34.69	-79.43	-49.21	10.48	12.00	V

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

5G NR CA n7A n78A /QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle (Default)	5310.00	-63.10	-13	-50.10	-79.52	-68.66	7.14	12.70	H
	7965.00	-56.22	-13	-43.22	-79.77	-59.52	8.30	11.60	H
	10620.00	-53.89	-13	-40.89	-81.13	-55.41	10.48	12.00	H
	5310.00	-63.10	-13	-50.10	-79.65	-68.66	7.14	12.70	V
	7965.00	-56.34	-13	-43.34	-79.95	-59.64	8.30	11.60	V
	10620.00	-53.96	-13	-40.96	-81.09	-55.48	10.48	12.00	V
NR n78 Middle (3750MHz) (ANT.0)	7500.00	-57.20	-13	-44.20	-79.53	-62.76	7.14	12.70	H
	11250.00	-51.21	-13	-38.21	-80.69	-54.51	8.30	11.60	H
	15003.00	-48.35	-13	-35.35	-79.67	-49.87	10.48	12.00	H
	7500.00	-57.85	-13	-44.85	-80.09	-63.41	7.14	12.70	V
	11250.00	-51.45	-13	-38.45	-80.69	-54.75	8.30	11.60	V
	15003.00	-48.04	-13	-35.04	-79.78	-49.56	10.48	12.00	V

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



5GNR CA_n7A_n78A/QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle (ANT.0)	5310.00	-62.98	-13	-49.98	-79.40	-68.54	7.14	12.70	H
	7965.00	-56.31	-13	-43.31	-79.86	-59.61	8.30	11.60	H
	10620.00	-53.72	-13	-40.72	-80.96	-55.24	10.48	12.00	H
	5310.00	-63.27	-13	-50.27	-79.82	-68.83	7.14	12.70	V
	7965.00	-56.11	-13	-43.11	-79.72	-59.41	8.30	11.60	V
	10620.00	-53.99	-13	-40.99	-81.12	-55.51	10.48	12.00	V
NR n78 Middle (3500MHz) (Default)	7000.00	-57.19	-13	-44.19	-79.94	-62.75	7.14	12.70	H
	10500.00	-51.28	-13	-38.28	-80.67	-54.58	8.30	11.60	H
	14000.00	-48.30	-13	-35.30	-79.96	-49.82	10.48	12.00	H
	7000.00	-57.60	-13	-44.60	-79.86	-63.16	7.14	12.70	V
	10500.00	-51.39	-13	-38.39	-80.76	-54.69	8.30	11.60	V
	14000.00	-47.69	-13	-34.69	-80.02	-49.21	10.48	12.00	V

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

5GNR CA_n7A_n78A/QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n7 Middle (Default)	5310.00	-63.13	-13	-50.13	-79.55	-68.69	7.14	12.70	H
	7965.00	-56.21	-13	-43.21	-79.76	-59.51	8.30	11.60	H
	10620.00	-53.99	-13	-40.99	-81.23	-55.51	10.48	12.00	H
	5310.00	-63.03	-13	-50.03	-79.58	-68.59	7.14	12.70	V
	7965.00	-56.44	-13	-43.44	-80.05	-59.74	8.30	11.60	V
	10620.00	-53.95	-13	-40.95	-81.08	-55.47	10.48	12.00	V
NR n78 Middle (3500MHz) (ANT.0)	7000.00	-59.16	-13	-46.16	-80.03	-64.72	7.14	12.70	H
	10500.00	-54.40	-13	-41.40	-81.15	-57.70	8.30	11.60	H
	14000.00	-48.48	-13	-35.48	-80.01	-50.00	10.48	12.00	H
	7000.00	-59.13	-13	-46.13	-80.21	-64.69	7.14	12.70	V
	10500.00	-54.38	-13	-41.38	-81.09	-57.68	8.30	11.60	V
	14000.00	-48.78	-13	-35.78	-79.92	-50.30	10.48	12.00	V

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