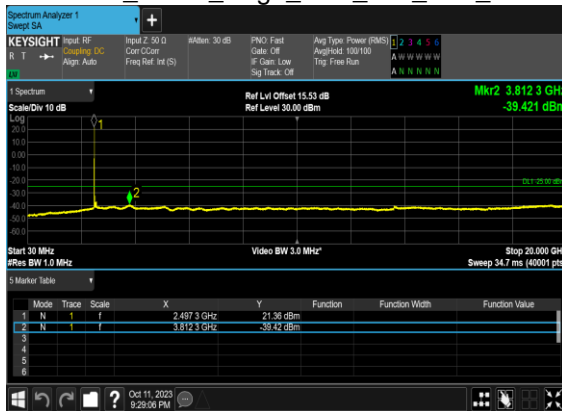
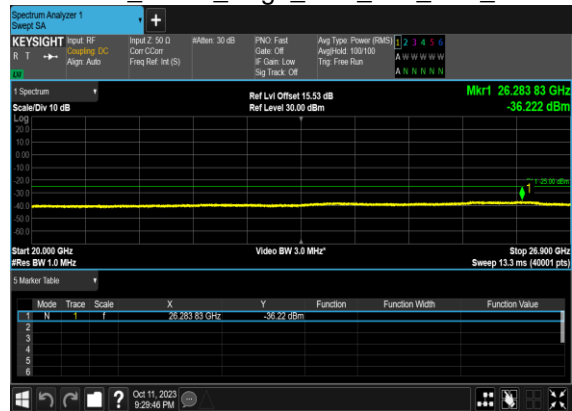


N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



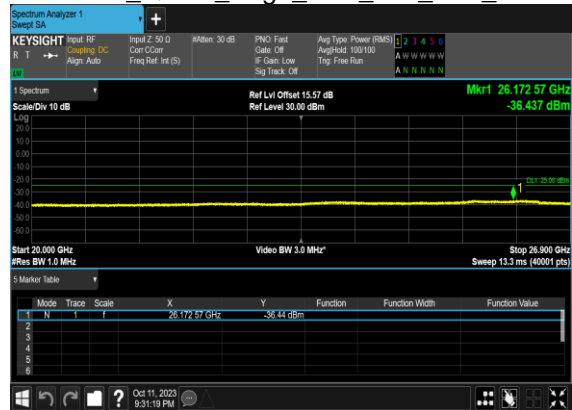
N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH

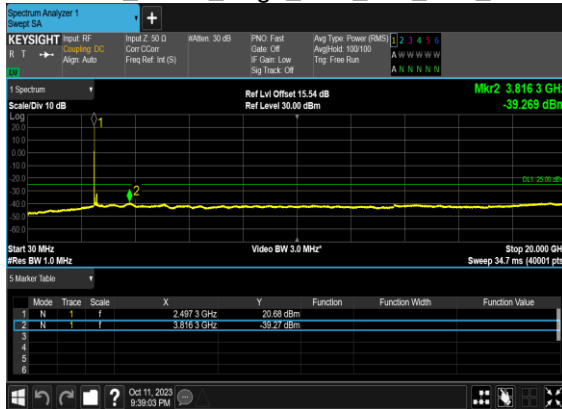


N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH





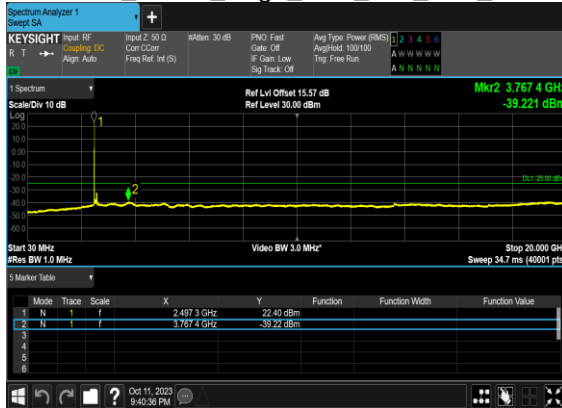
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



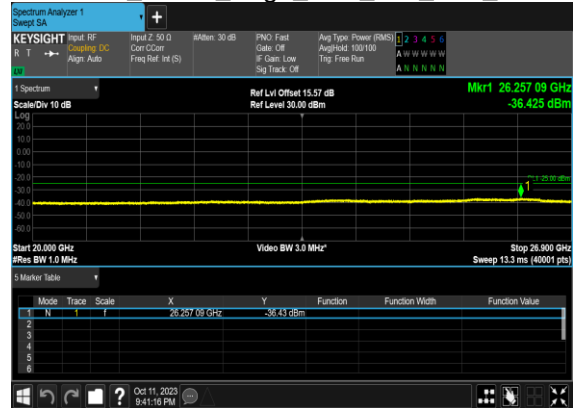
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



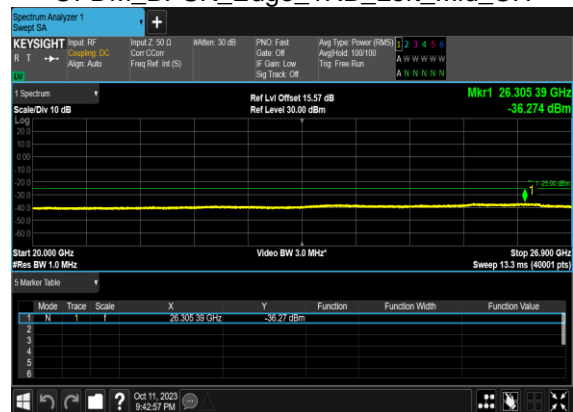
N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



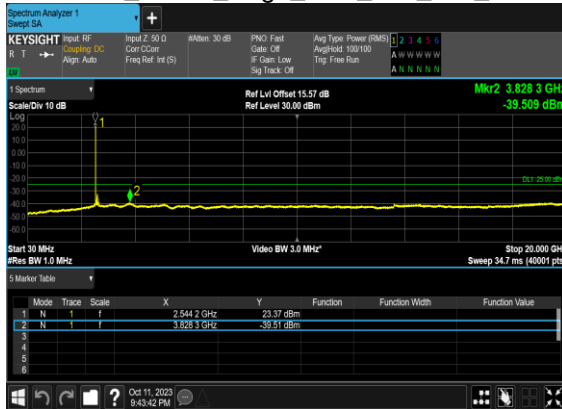
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



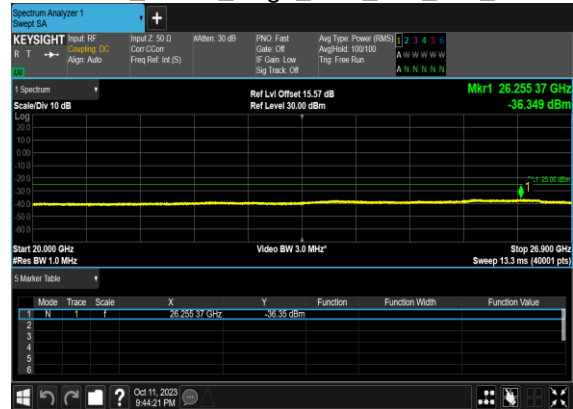
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Mid\_CH



### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



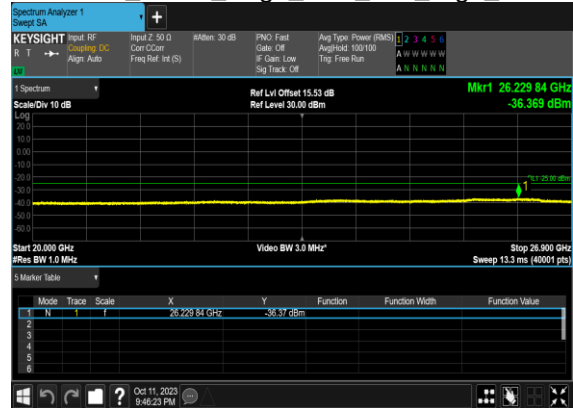
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Mid\_CH



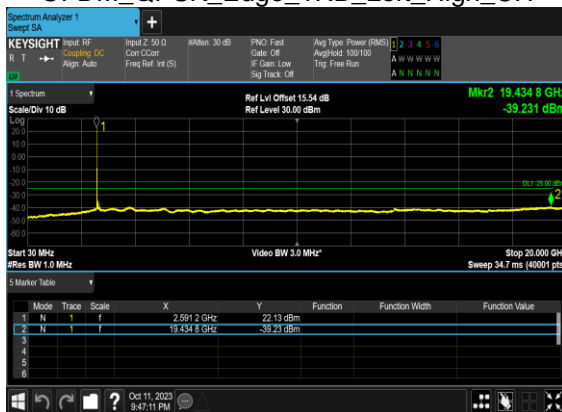
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_High\_CH



### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



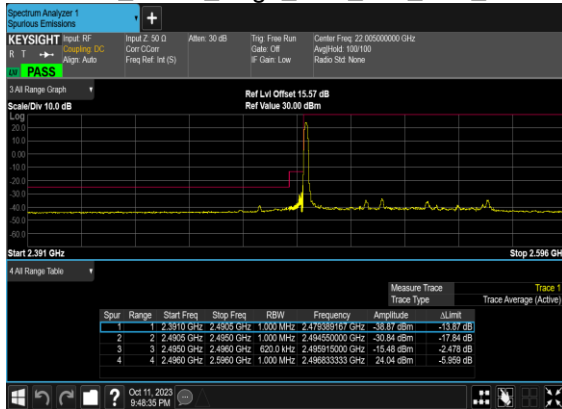
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_High\_CH



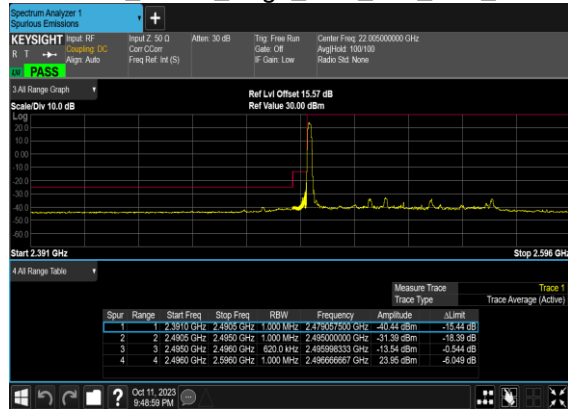
## Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	505200	2526.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
41	30	60	531996	2659.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	80	507204	2536.02	DFT-s-OFDM BPSK	216@0	see graph	PASS
41	30	80	507204	2536.02	DFT-s-OFDM QPSK	216@0	see graph	PASS
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	1@216	see graph	PASS
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	1@216	see graph	PASS
41	30	80	529998	2649.99	DFT-s-OFDM BPSK	216@0	see graph	PASS
41	30	80	529998	2649.99	DFT-s-OFDM QPSK	216@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	509202	2546.01	DFT-s-OFDM QPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
41	30	100	528000	2640.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

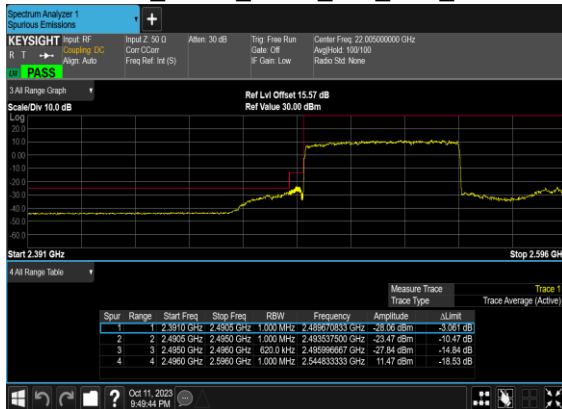
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



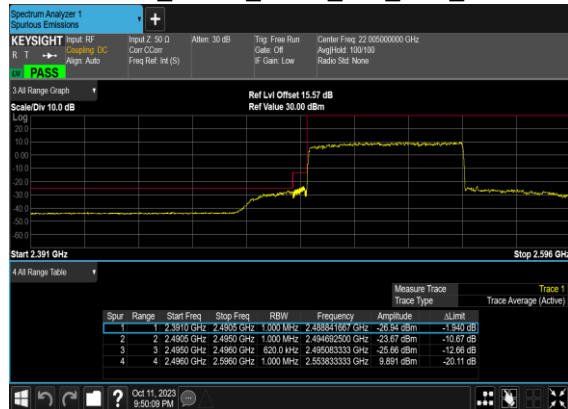
### N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



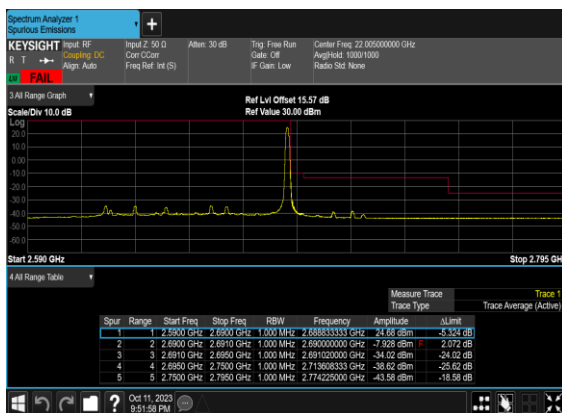
### N41(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



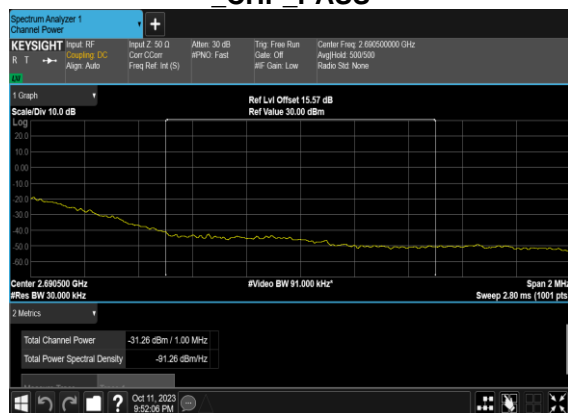
### N41(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



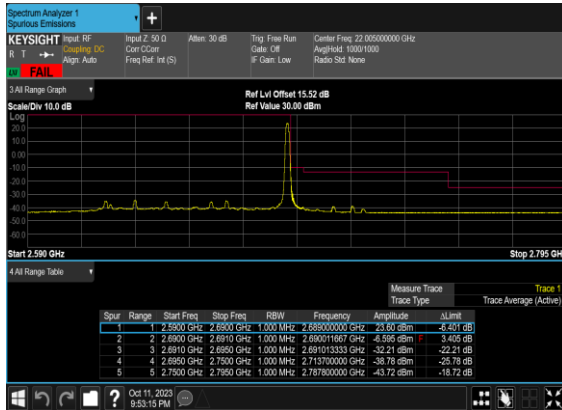
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



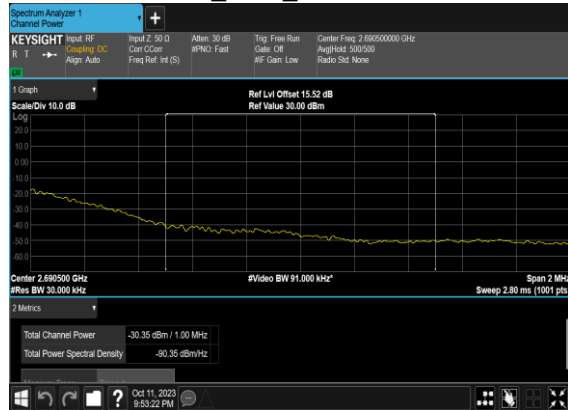
### N41(60M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



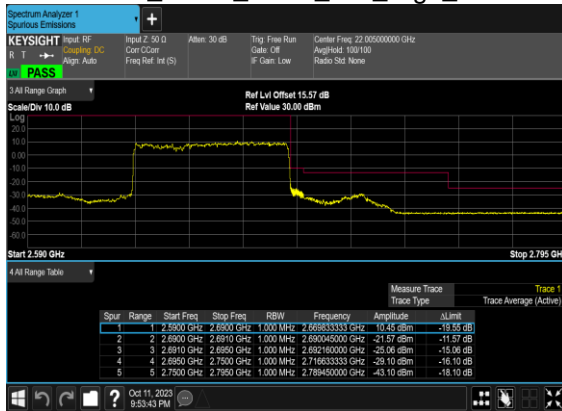
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



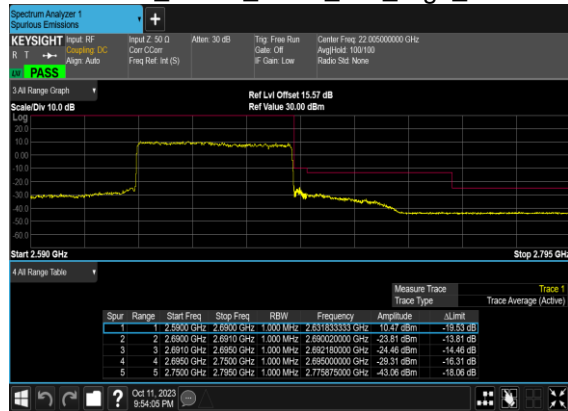
N41(60M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



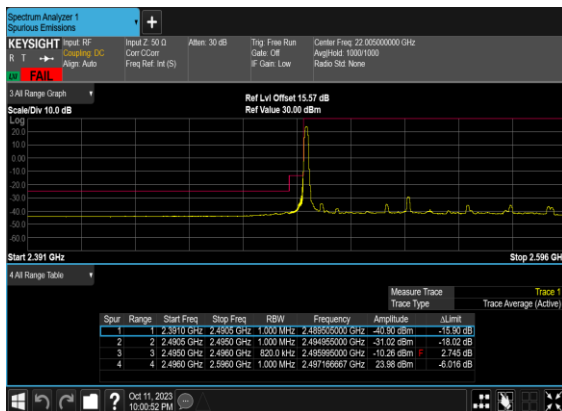
N41(60M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



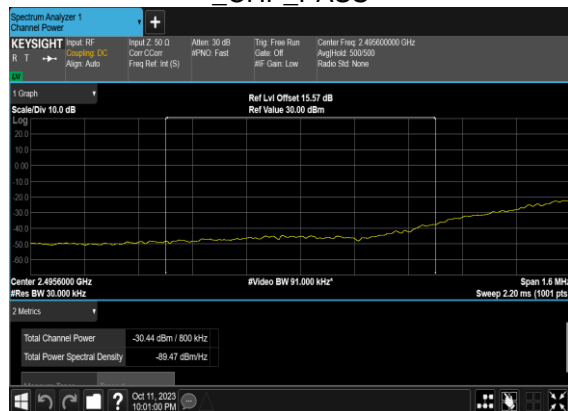
N41(60M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



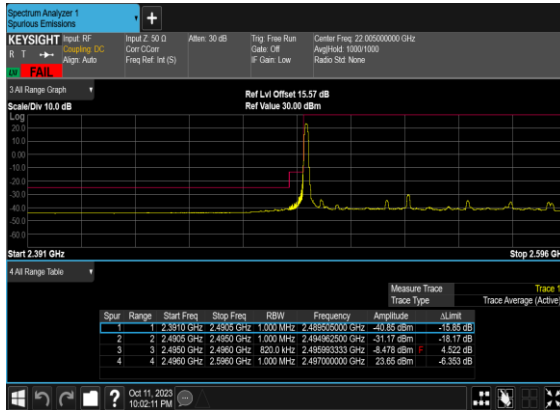
N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



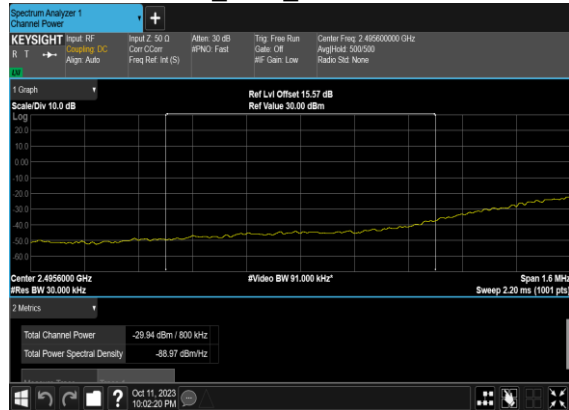
N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



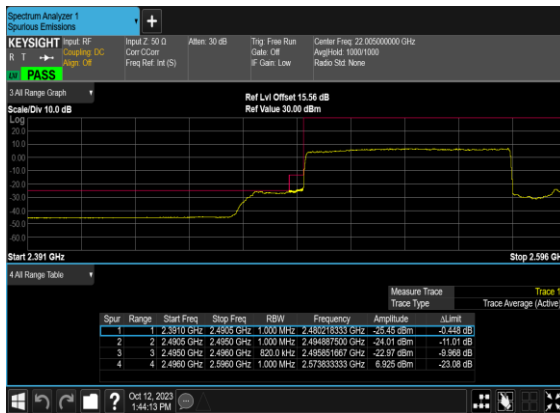
### N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



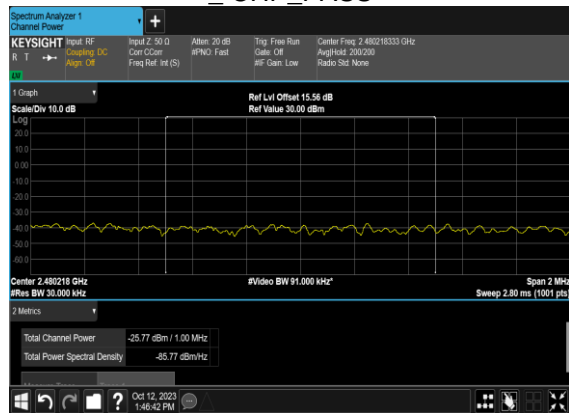
### N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



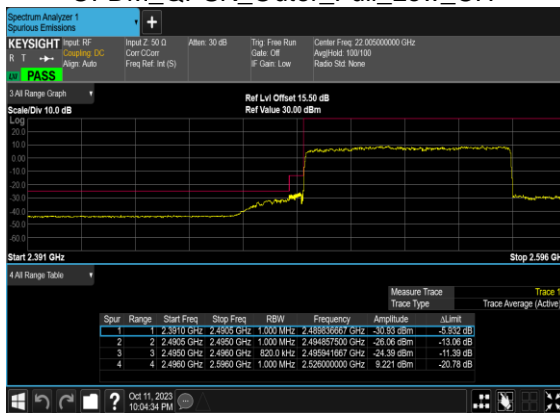
### N41(80M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



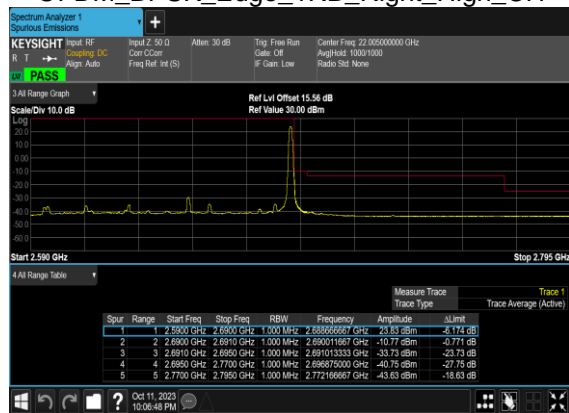
### N41(80M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH\_CHP\_PASS



### N41(80M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH

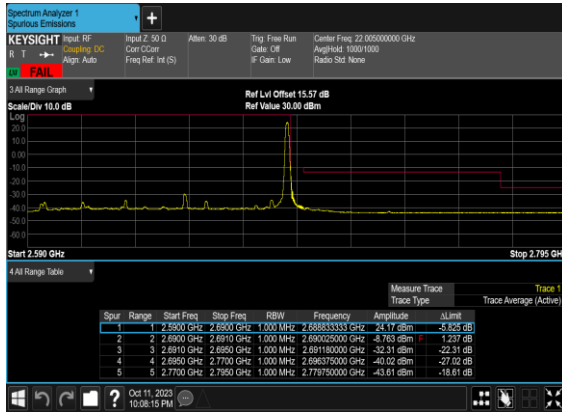


### N41(80M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH

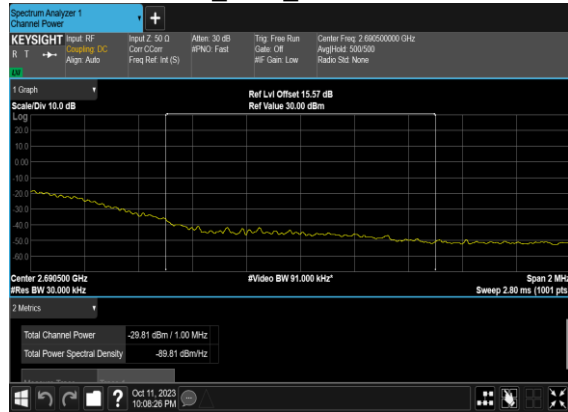




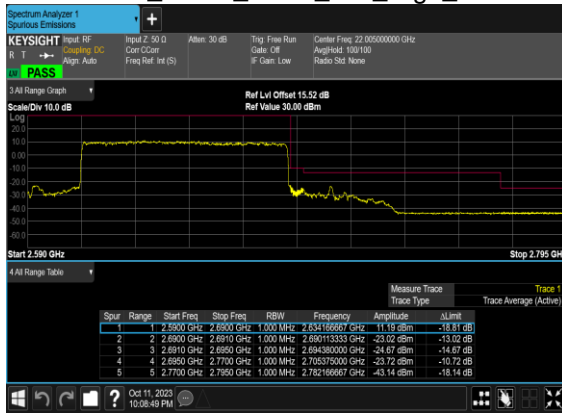
N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



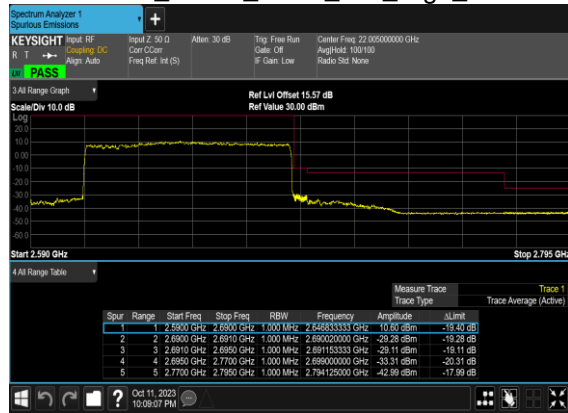
N41(80M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



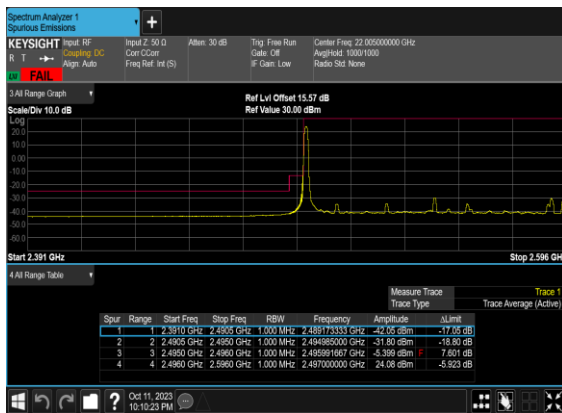
N41(80M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



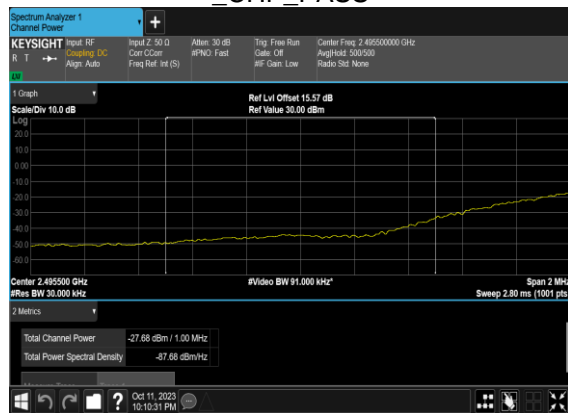
N41(80M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



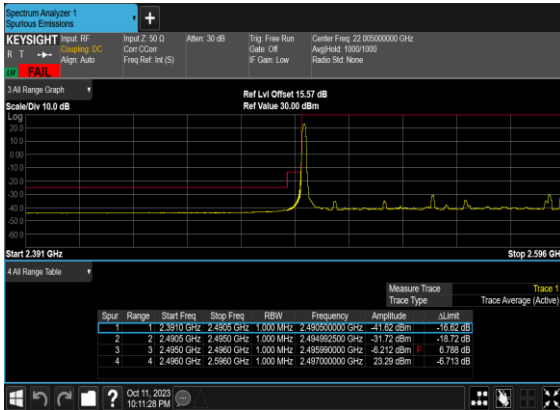
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH



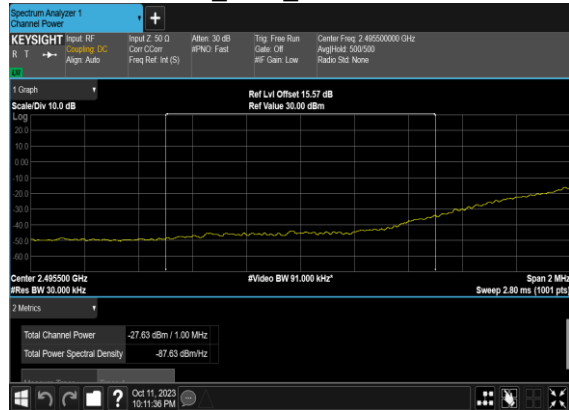
N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



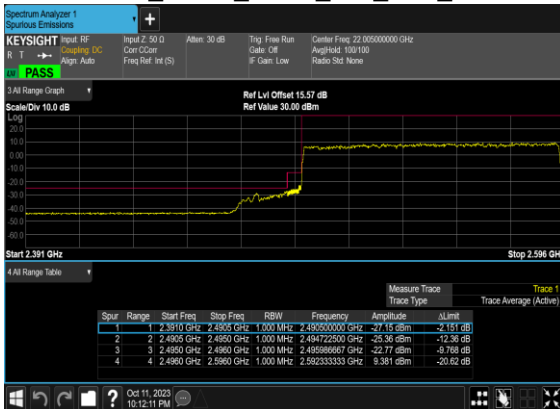
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH



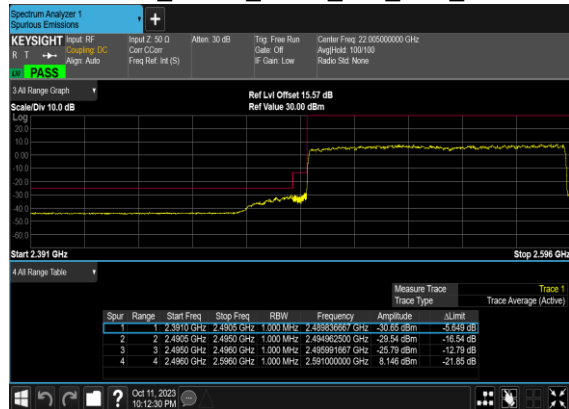
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Left\_Low\_CH\_CHP\_PASS



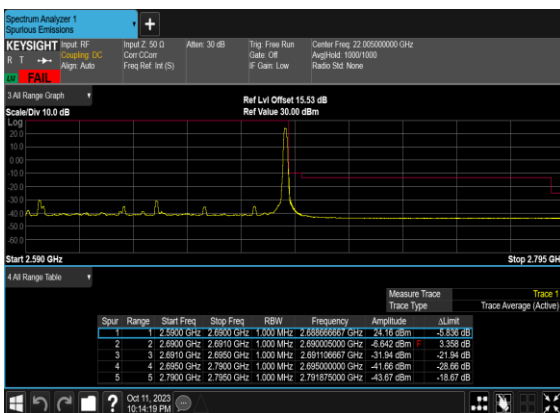
### N41(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_Low\_CH



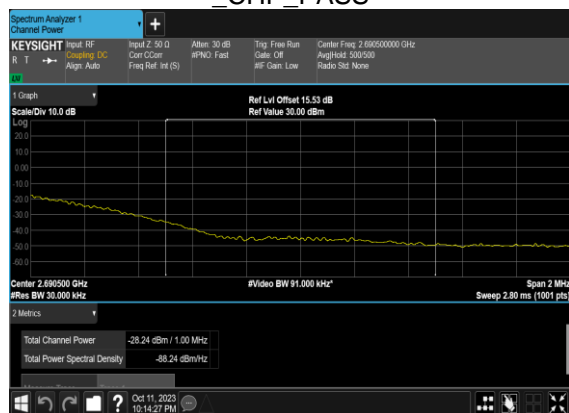
### N41(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_Low\_CH



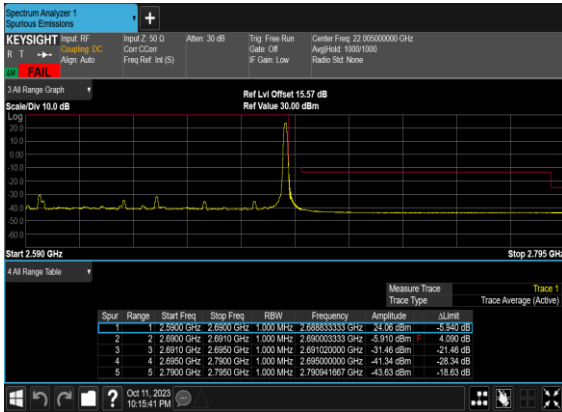
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH



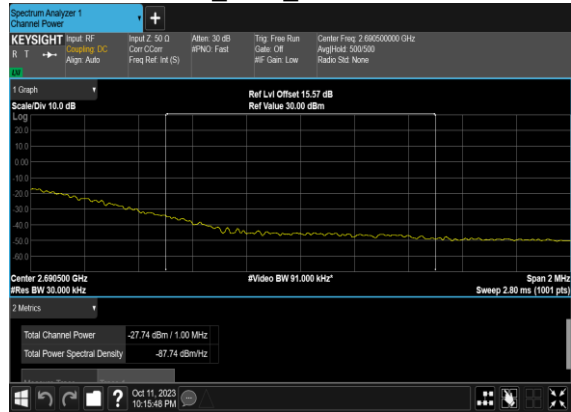
### N41(100M)\_DFT-s-OFDM\_BPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



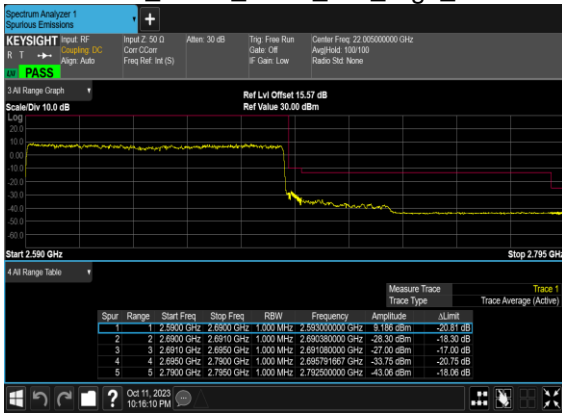
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH



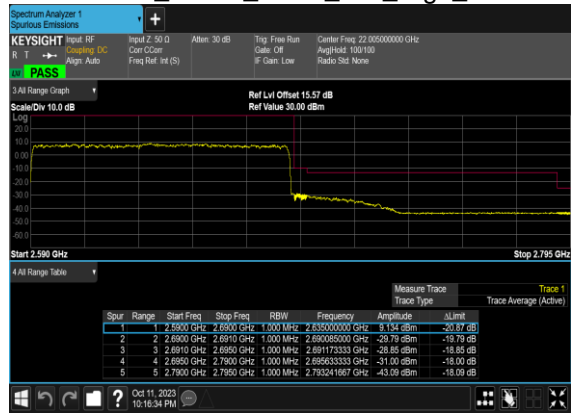
### N41(100M)\_DFT-s-OFDM\_QPSK\_Edge\_1RB\_Right\_High\_CH\_CHP\_PASS



### N41(100M)\_DFT-s-OFDM\_BPSK\_Outer\_Full\_High\_CH



### N41(100M)\_DFT-s-OFDM\_QPSK\_Outer\_Full\_High\_CH



Note: "CHP" means channel power integration method.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Wenbo Xiao	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

n2 SA / NR 40MHz / QPSK(ANT1)									
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)
Middle	3721.84	-62.78	-13	-49.78	-79.32	-69.53	5.85	12.60	H
	5582.76	-60.94	-13	-47.94	-80.86	-66.74	7.30	13.10	H
	7443.68	-55.94	-13	-42.94	-80.44	-59.09	8.35	11.50	H
	3721.84	-63.94	-13	-50.94	-80.16	-70.69	5.85	12.60	V
	5582.76	-61.48	-13	-48.48	-81.24	-67.28	7.30	13.10	V
	7443.68	-55.64	-13	-42.64	-80.5	-58.79	8.35	11.50	V

n5 SA / NR 20MHz / QPSK (ANT0)									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1654.5	-65.95	-13	-52.95	-73.86	-69.20	4.00	9.40	H
	2481.75	-63.24	-13	-50.24	-75.45	-66.81	4.88	10.60	H
	3309	-61.46	-13	-48.46	-76.65	-66.39	5.52	12.60	H
	1654.5	-66.10	-13	-53.10	-74.09	-69.35	4.00	9.40	V
	2481.75	-63.02	-13	-50.02	-75.29	-66.59	4.88	10.60	V
	3309	-61.74	-13	-48.74	-76.87	-66.67	5.52	12.60	V



EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK (ANT1+0)									
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 n5 Middle	1654.5	-66.39	-13	-53.39	-74.30	-69.64	4.00	9.40	H
	2481.75	-62.37	-13	-49.37	-74.58	-65.94	4.88	10.60	H
	3309	-61.73	-13	-48.73	-76.92	-66.66	5.52	12.60	H
	1654.5	-66.29	-13	-53.29	-74.28	-69.54	4.00	9.40	V
	2481.75	-62.97	-13	-49.97	-75.24	-66.54	4.88	10.60	V
	3309	-61.81	-13	-48.81	-76.94	-66.74	5.52	12.60	V
LTE Band7 Middle	5061.18	-58.82	-25	-33.82	-78.37	-64.38	7.14	12.70	H
	7591.77	-55.09	-25	-30.09	-79.32	-58.39	8.30	11.60	H
	10122.36	-51.93	-25	-26.93	-79.61	-53.45	10.48	12.00	H
	5061.18	-59.26	-25	-34.26	-78.68	-64.82	7.14	12.70	V
	7591.77	-54.57	-25	-29.57	-79.3	-57.87	8.30	11.60	V
	10122.36	-52.83	-25	-27.83	-79.2	-54.35	10.48	12.00	V

n7 SA / NR 50MHz / QPSK (ANT1)									
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)
Middle	5070.00	-59.80	-25	-34.80	-79.36	-65.36	7.14	12.70	H
	7605.00	-55.69	-25	-30.69	-79.90	-58.99	8.30	11.60	H
	10140.00	-52.65	-25	-27.65	-80.35	-54.17	10.48	12.00	H
	5070.00	-59.93	-25	-34.93	-79.35	-65.49	7.14	12.70	V
	7605.00	-55.09	-25	-30.09	-79.8	-58.39	8.30	11.60	V
	10140.00	-53.80	-25	-28.80	-80.21	-55.32	10.48	12.00	V

EN-DC_7A_n7A / LTE 20MHz + NR 50MHz / QPSK (ANT2+1)									
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	5070.00	-59.67	-25	-34.67	-79.23	-65.23	7.14	12.70	H
	7605.00	-55.32	-25	-30.32	-79.53	-58.62	8.30	11.60	H
	10140.00	-52.46	-25	-27.46	-80.16	-53.98	10.48	12.00	H
	5070.00	-59.65	-25	-34.65	-79.07	-65.21	7.14	12.70	V
	7605.00	-54.80	-25	-29.80	-79.51	-58.10	8.30	11.60	V
	10140.00	-53.91	-25	-28.91	-80.32	-55.43	10.48	12.00	V
LTE Band7 Middle	5061.18	-59.67	-25	-34.67	-79.22	-65.23	7.14	12.70	H
	7591.77	-55.76	-25	-30.76	-79.99	-59.06	8.30	11.60	H
	10122.36	-52.60	-25	-27.60	-80.28	-54.12	10.48	12.00	H
	5061.18	-59.54	-25	-34.54	-78.96	-65.10	7.14	12.70	V
	7591.77	-54.90	-25	-29.90	-79.63	-58.20	8.30	11.60	V
	10122.36	-53.91	-25	-28.91	-80.28	-55.43	10.48	12.00	V



n41 SA / NR 100MHz / QPSK (ANT1)									
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)
Middle	5089.00	-59.00	-25	-34.00	-78.60	-64.56	7.14	12.70	H
	7633.50	-54.58	-25	-29.58	-78.74	-57.88	8.30	11.60	H
	10178.00	-51.61	-25	-26.61	-79.34	-53.13	10.48	12.00	H
	5089.00	-59.53	-25	-34.53	-78.96	-65.09	7.14	12.70	V
	7633.50	-54.05	-25	-29.05	-78.74	-57.35	8.30	11.60	V
	10178.00	-53.15	-25	-28.15	-79.65	-54.67	10.48	12.00	V

EN-DC_41A_n7A / LTE 20MHz + NR 100MHz / QPSK (ANT2+1)									
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 n41 Middle	5089.00	-60.74	-25	-35.74	-80.06	-66.30	7.14	12.70	H
	7633.50	-55.04	-25	-30.04	-79.70	-58.34	8.30	11.60	H
	10178.00	-51.32	-25	-26.32	-79.78	-52.84	10.48	12.00	H
	5089.00	-61.12	-25	-36.12	-80.27	-66.68	7.14	12.70	V
	7633.50	-54.70	-25	-29.70	-79.89	-58.00	8.30	11.60	V
	10178.00	-52.65	-25	-27.65	-79.88	-54.17	10.48	12.00	V
LTE Band41 Middle	5177.18	-61.22	-25	-36.22	-80.46	-66.78	7.14	12.70	H
	7765.77	-55.25	-25	-30.25	-79.65	-58.55	8.30	11.60	H
	10354.36	-51.86	-25	-26.86	-80.37	-53.38	10.48	12.00	H
	5177.18	-62.00	-25	-37.00	-80.9	-67.56	7.14	12.70	V
	7765.77	-54.56	-25	-29.56	-79.61	-57.86	8.30	11.60	V
	10354.36	-52.59	-25	-27.59	-80.13	-54.11	10.48	12.00	V

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