



B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



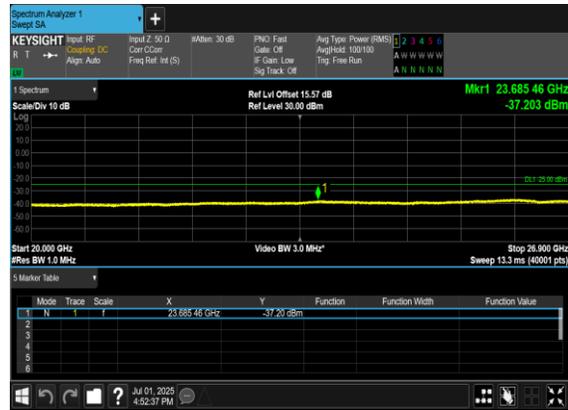
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B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

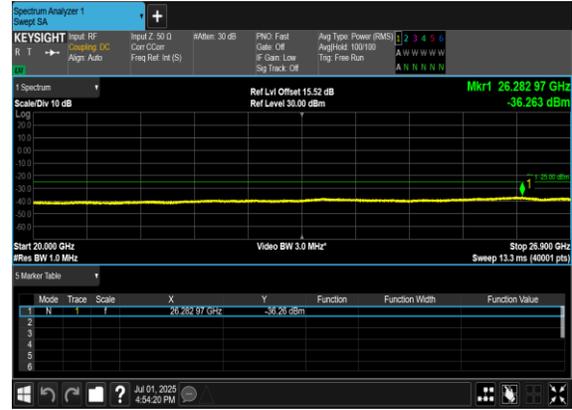




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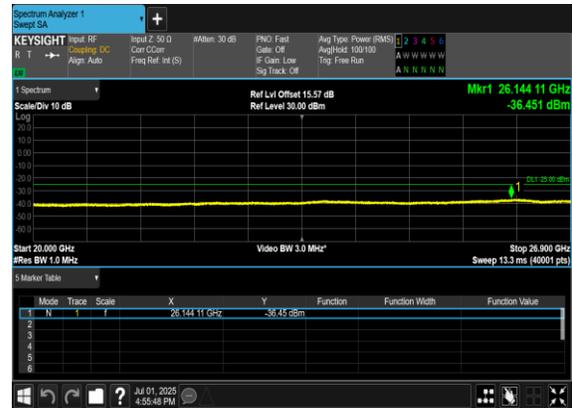
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B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH





B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

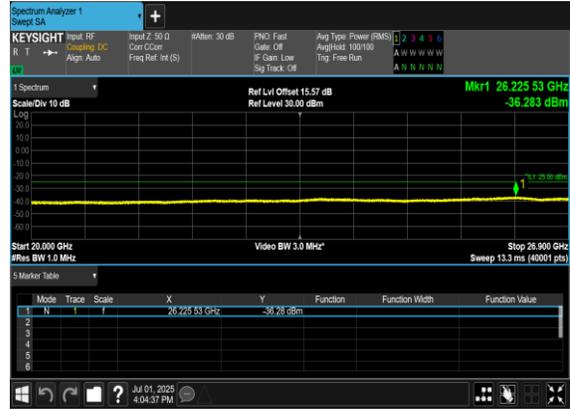




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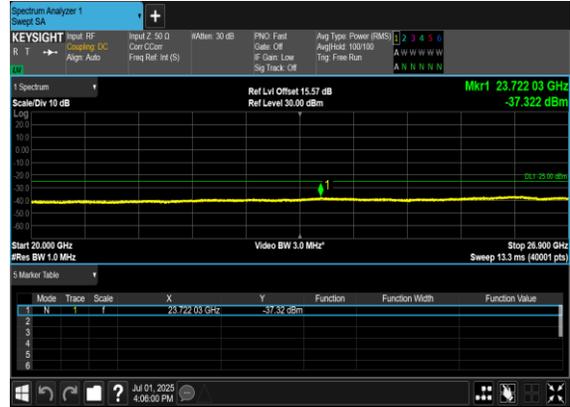
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B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



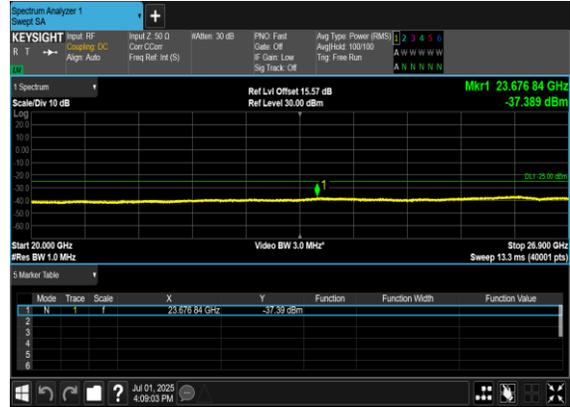
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B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

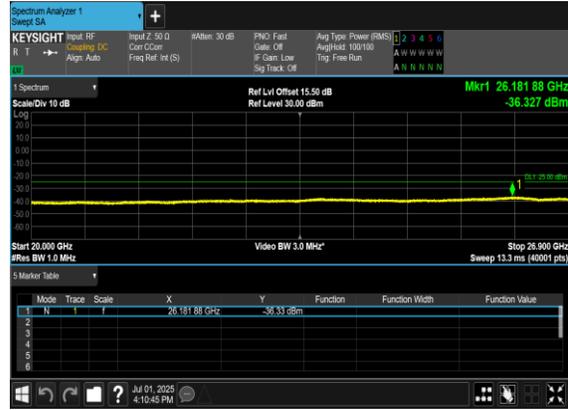




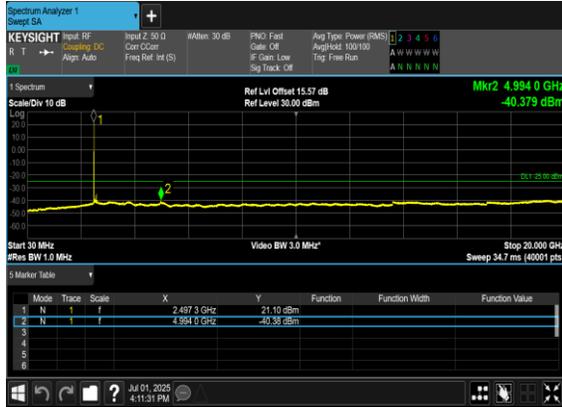
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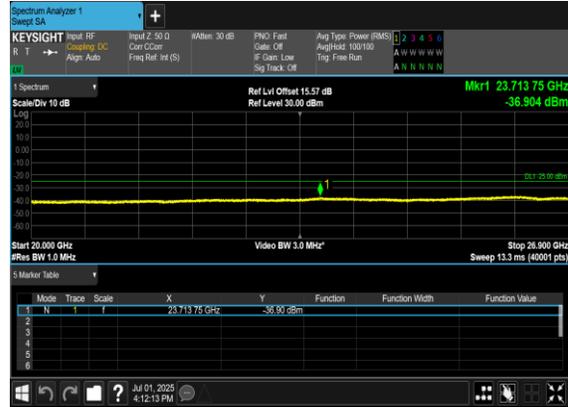
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B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

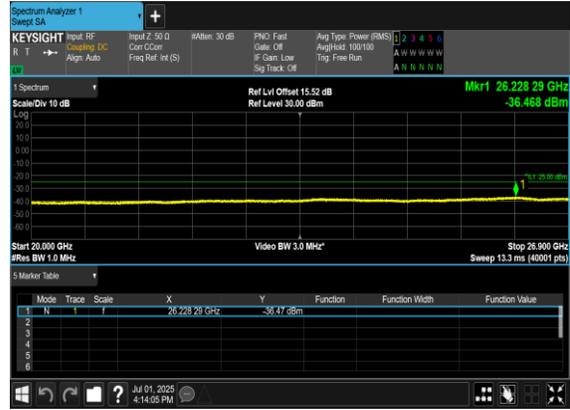




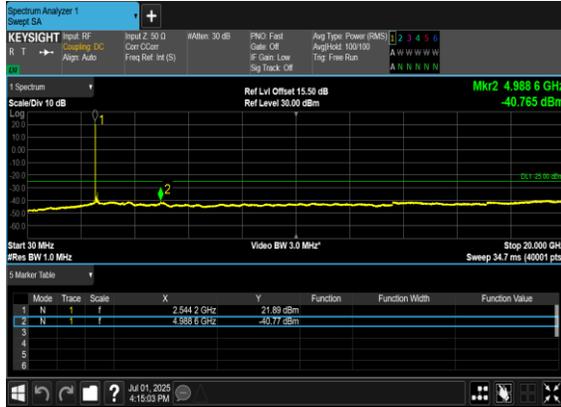
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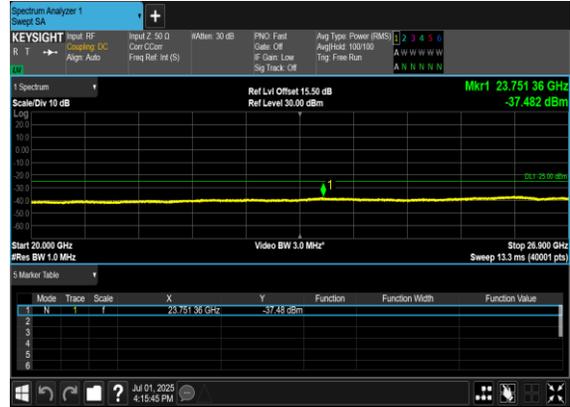
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B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

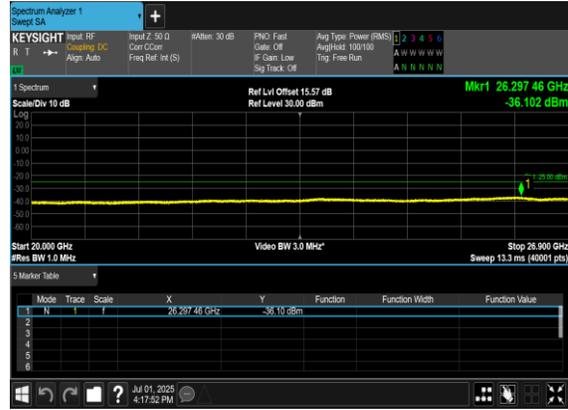




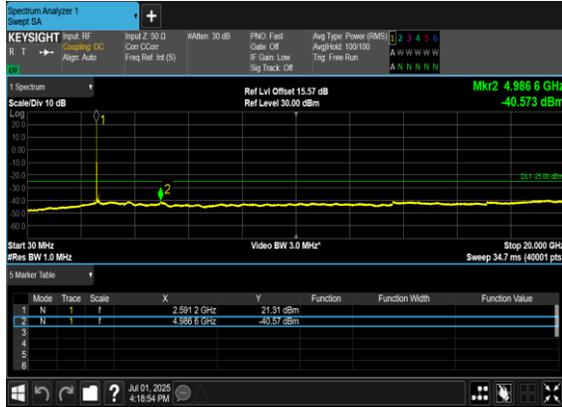
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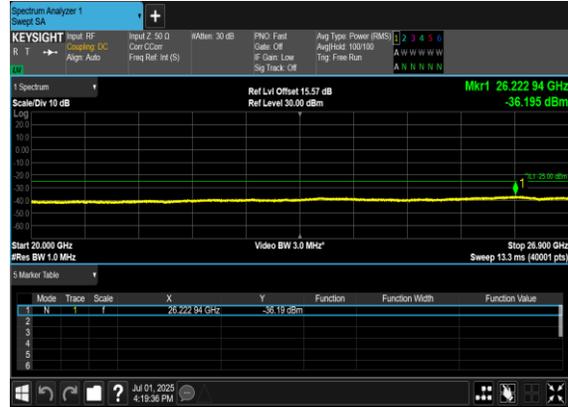
B2_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



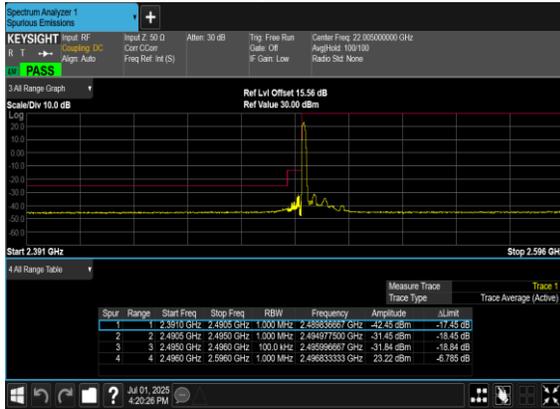


Conducted Band Edge

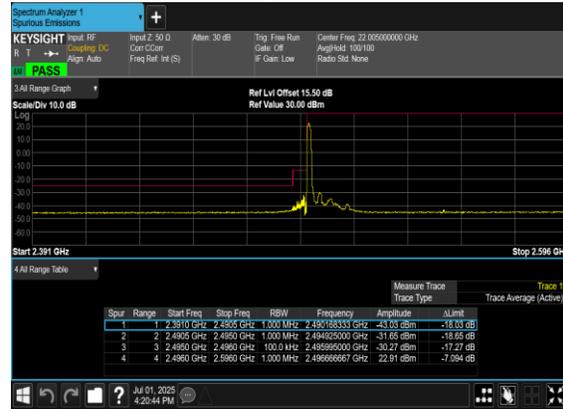
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	500202	2501.01	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
41	30	10	537000	2685.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	30	40	503202	2516.01	DFT-s-OFDM QPSK	100@0	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
41	30	40	534000	2670.0	DFT-s-OFDM QPSK	100@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



B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



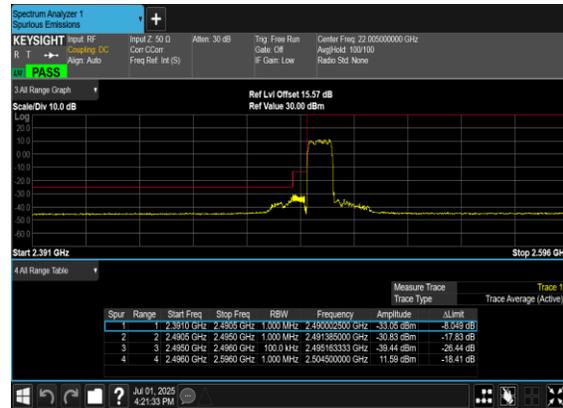
B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

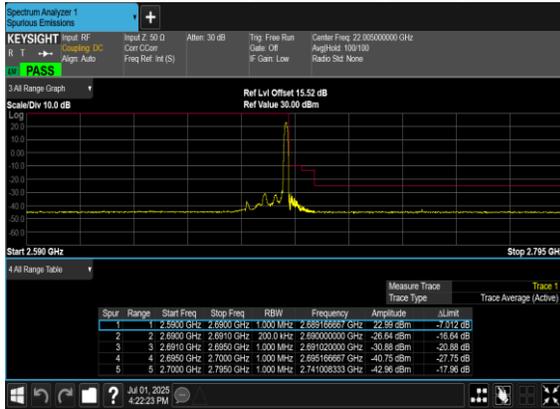


B2_N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





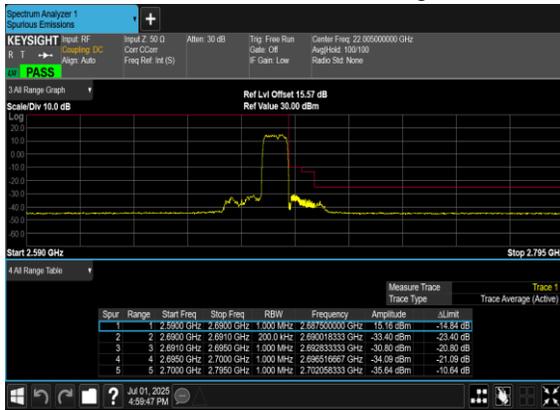
B2_N41(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



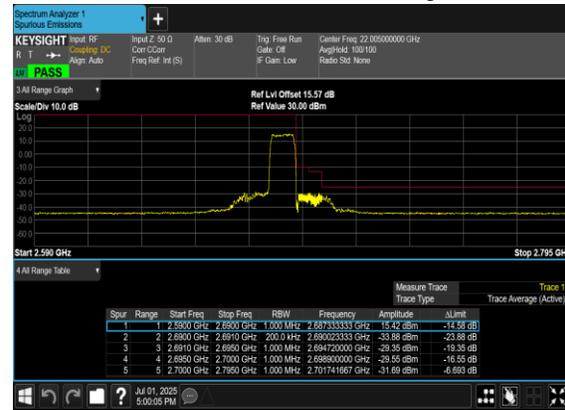
B2_N41(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N41(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N41(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





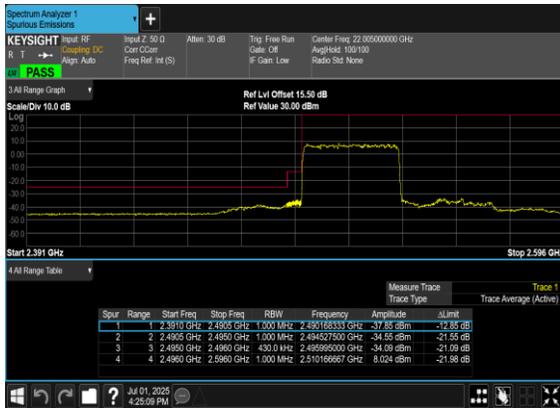
B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N41(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

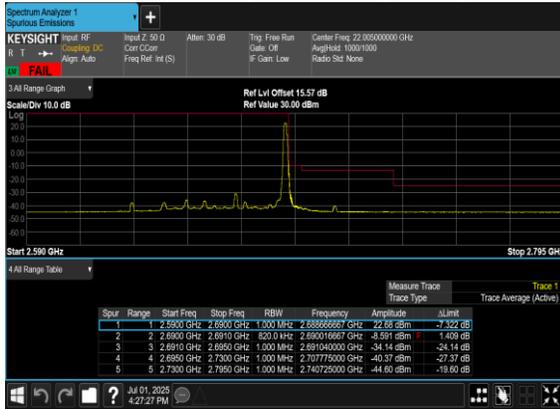


B2_N41(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

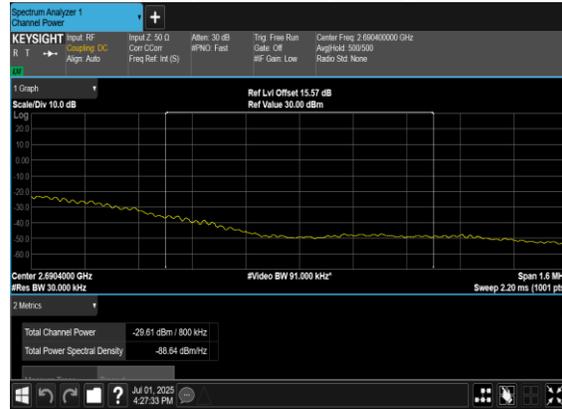




B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



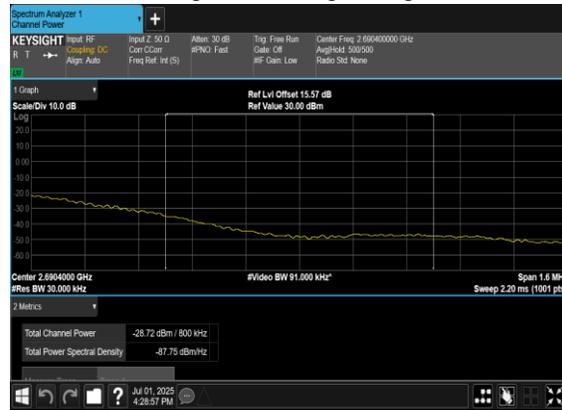
B2_N41(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N41(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS

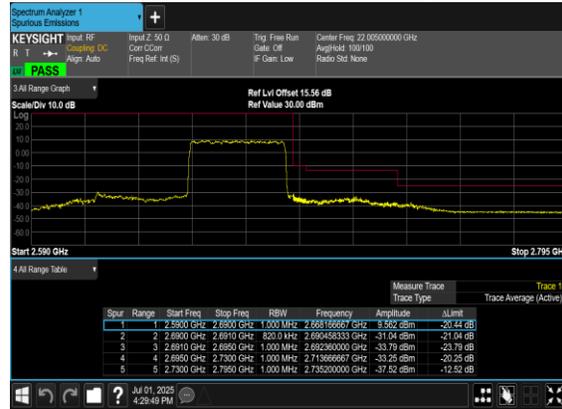




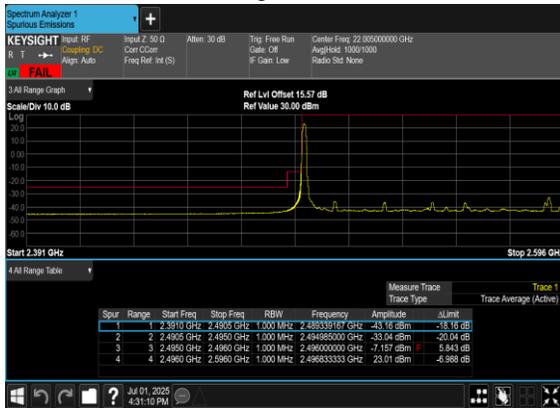
B2_N41(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



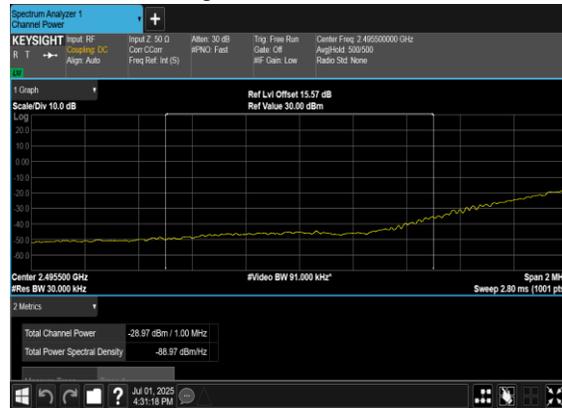
B2_N41(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B2_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

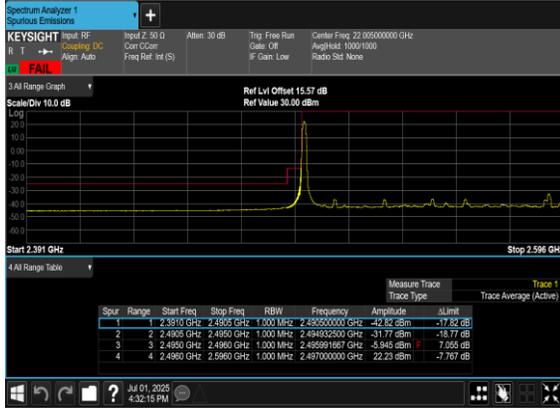


B2_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

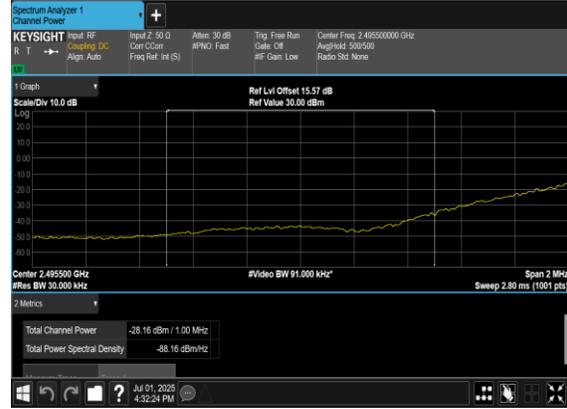




B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



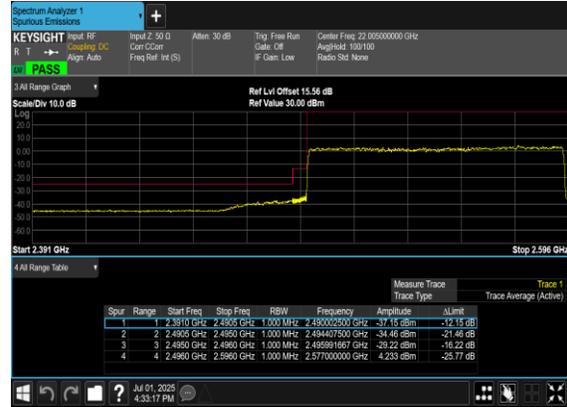
B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



B2_N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

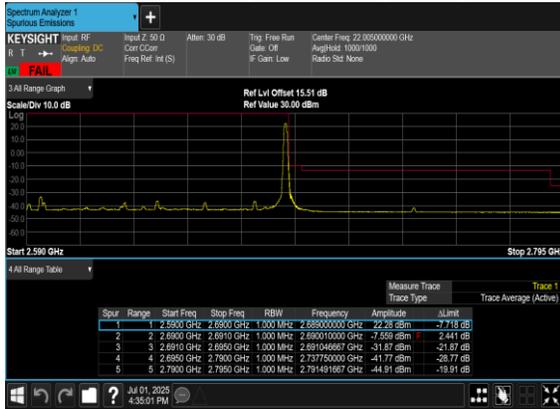


B2_N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

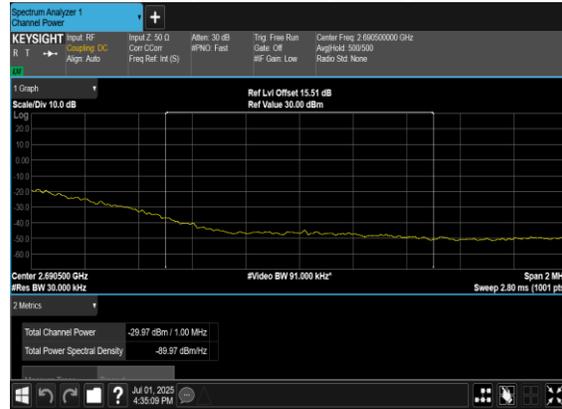




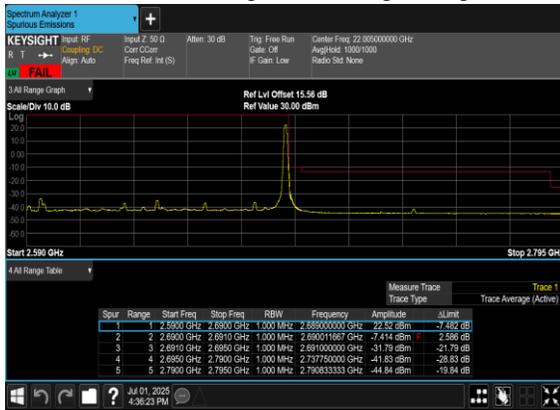
B2_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



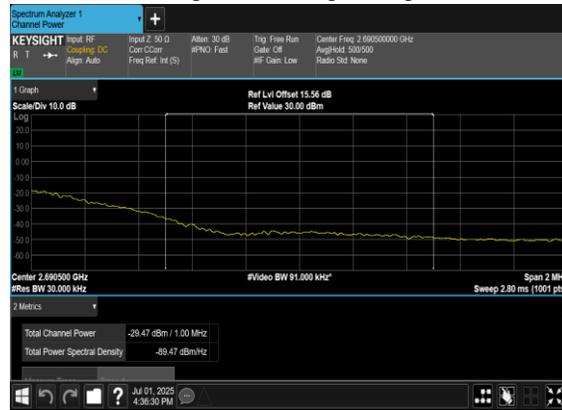
B2_N41(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS





B2_N41(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N41(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jia Kuang	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

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	5022.00	-57.71	-25	-32.71	-80.60	-63.27	7.14	12.70	H
	7533.00	-53.87	-25	-28.87	-80.36	-57.17	8.30	11.60	H
	10044.00	-52.60	-25	-27.60	-82.86	-54.12	10.48	12.00	H
	5022.00	-56.52	-25	-31.52	-80.86	-62.08	7.14	12.70	V
	7533.00	-54.09	-25	-29.09	-80.56	-57.39	8.30	11.60	V
	10044.00	-52.02	-25	-27.02	-83.04	-53.54	10.48	12.00	V

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

EN-DC_66A_n7A / LTE 20MHz + NR 50MHz / QPSK (ANT3+6)									
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	5022.00	-58.54	-25	-33.54	-80.37	-64.10	7.14	12.70	H
	7533.00	-54.17	-25	-29.17	-79.99	-57.47	8.30	11.60	H
	10044.00	-50.91	-25	-25.91	-81.11	-52.43	10.48	12.00	H
	5022.00	-58.84	-25	-33.84	-80.76	-64.40	7.14	12.70	V
	7533.00	-54.47	-25	-29.47	-80.27	-57.77	8.30	11.60	V
	10044.00	-52.50	-25	-27.50	-81.14	-54.02	10.48	12.00	V
LTE Band66 Middle	3481	-60.89	-13	-47.89	-77.70	-67.74	5.65	12.50	H
	5221.5	-59.53	-13	-46.53	-81.03	-65.20	7.13	12.80	H
	6962	-55.40	-13	-42.40	-80.91	-58.80	8.40	11.80	H
	3481	-60.90	-13	-47.90	-77.7	-67.75	5.65	12.50	V
	5221.5	-59.45	-13	-46.45	-81.2	-65.12	7.13	12.80	V
	6962	-55.14	-13	-42.14	-81.11	-58.54	8.40	11.80	V

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



n12 SA / NR 15MHz / 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	1401	-59.75	-13	-46.75	-70.47	-63.00	4.00	9.40	H
	2101.5	-45.67	-13	-32.67	-63.08	-49.24	4.88	10.60	H
	2802	-59.45	-13	-46.45	-78.45	-64.38	5.52	12.60	H
	1401	-61.40	-13	-48.40	-73.18	-64.65	4.00	9.40	V
	2101.5	-55.94	-13	-42.94	-73.14	-59.51	4.88	10.60	V
	2802	-58.69	-13	-45.69	-78.45	-63.62	5.52	12.60	V

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

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	5090.00	-51.06	-25	-26.06	-74.41	-56.62	7.14	12.70	H
	7635.00	-53.25	-25	-28.25	-79.42	-56.55	8.30	11.60	H
	10180.00	-51.11	-25	-26.11	-81.56	-52.63	10.48	12.00	H
	5090.00	-52.02	-25	-27.02	-76.35	-57.58	7.14	12.70	V
	7635.00	-52.55	-25	-27.55	-79.4	-55.85	8.30	11.60	V
	10180.00	-49.96	-25	-24.96	-81.63	-51.48	10.48	12.00	V

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

EN-DC_5A_n41A / LTE 10MHz + NR 100MHz / QPSK (ANT0+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	5090.00	-53.50	-25	-28.50	-76.85	-59.06	7.14	12.70	H
	7635.00	-47.60	-25	-22.60	-73.77	-50.90	8.30	11.60	H
	10180.00	-52.22	-25	-27.22	-82.67	-53.74	10.48	12.00	H
	5090.00	-54.48	-25	-29.48	-78.81	-60.04	7.14	12.70	V
	7635.00	-43.51	-25	-18.51	-70.36	-46.81	8.30	11.60	V
	10180.00	-50.91	-25	-25.91	-82.58	-52.43	10.48	12.00	V
LTE Band5 Middle	1664.18	-64.67	-13	-51.67	-76.28	-67.92	4.00	9.40	H
	2496.27	-58.73	-13	-45.73	-77.60	-62.30	4.88	10.60	H
	3328.36	-59.00	-13	-46.00	-79.88	-63.93	5.52	12.60	H
	1664.18	-64.03	-13	-51.03	-76.31	-67.28	4.00	9.40	V
	2496.27	-57.76	-13	-44.76	-76.89	-61.33	4.88	10.60	V
	3328.36	-58.63	-13	-45.63	-80.01	-63.56	5.52	12.60	V

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



EN-DC_66A_n41A / LTE 20MHz + NR 100MHz / QPSK (ANT3+6)									
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	5090.00	-57.86	-25	-32.86	-79.56	-63.42	7.14	12.70	H
	7635.00	-54.66	-25	-29.66	-80.41	-57.96	8.30	11.60	H
	10180.00	-50.78	-25	-25.78	-80.90	-52.30	10.48	12.00	H
	5090.00	-58.65	-25	-33.65	-80.53	-64.21	7.14	12.70	V
	7635.00	-54.60	-25	-29.60	-80.27	-57.90	8.30	11.60	V
	10180.00	-52.15	-25	-27.15	-81.02	-53.67	10.48	12.00	V
LTE Band66 Middle	3481	-61.06	-13	-48.06	-77.87	-67.91	5.65	12.50	H
	5221.5	-59.53	-13	-46.53	-81.03	-65.20	7.13	12.80	H
	6962	-55.74	-13	-42.74	-81.25	-59.14	8.40	11.80	H
	3481	-61.29	-13	-48.29	-78.09	-68.14	5.65	12.50	V
	5221.5	-59.64	-13	-46.64	-81.39	-65.31	7.13	12.80	V
	6962	-55.10	-13	-42.10	-81.07	-58.50	8.40	11.80	V

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