

N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



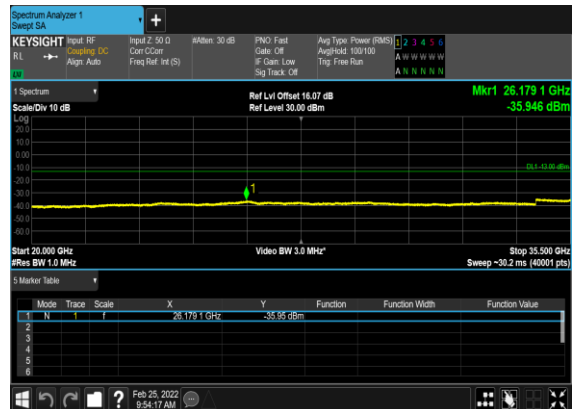
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



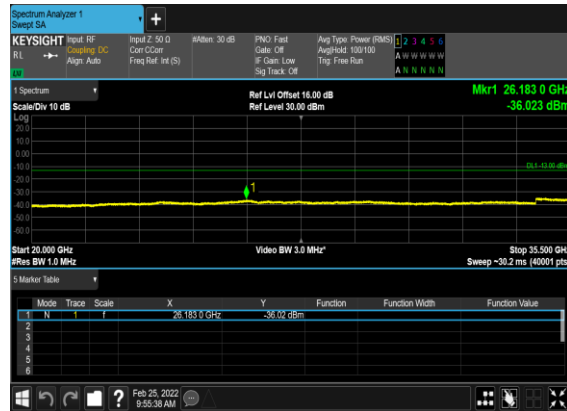
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



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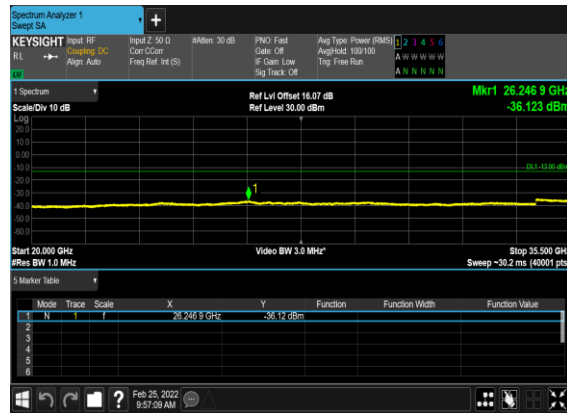
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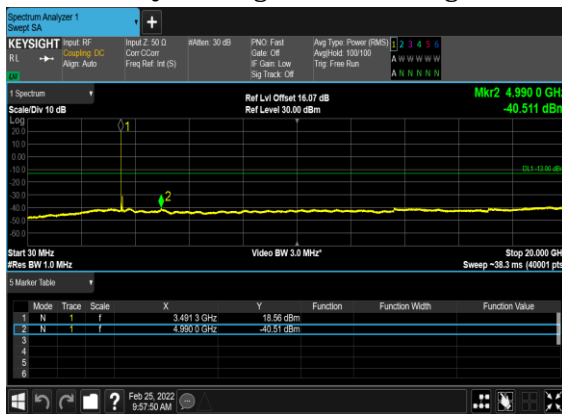
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



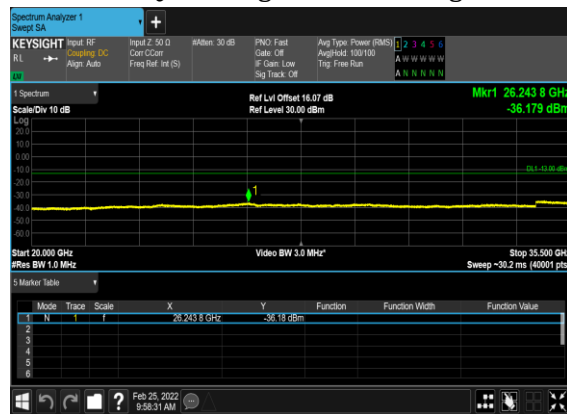
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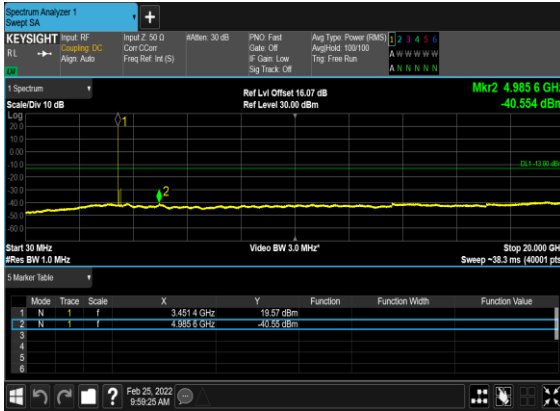
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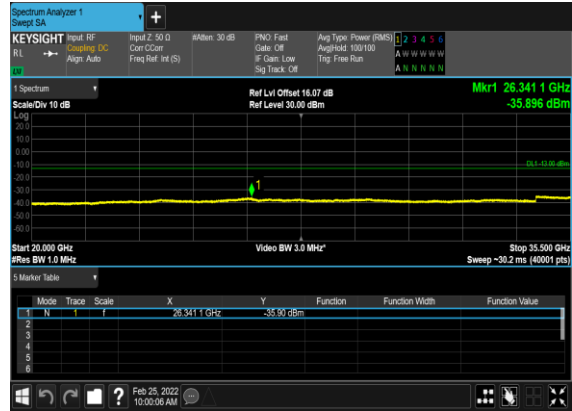
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



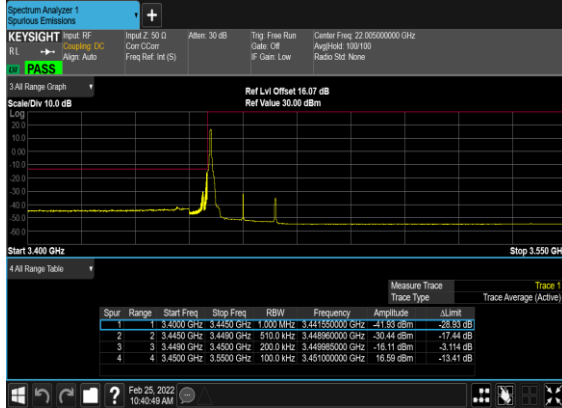
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



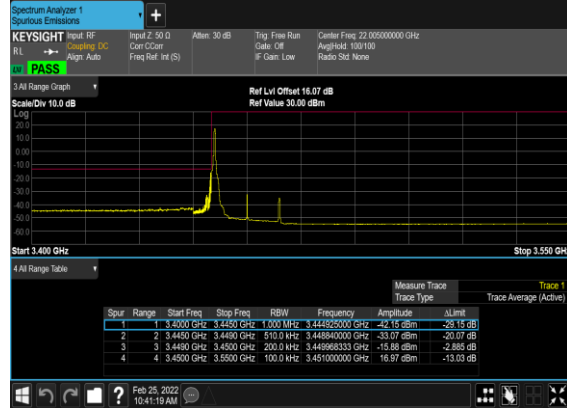
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

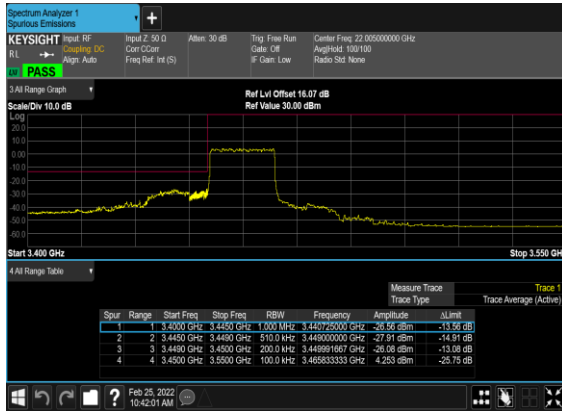
N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



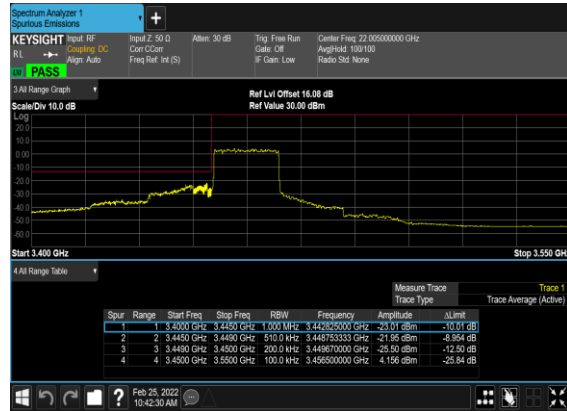
N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



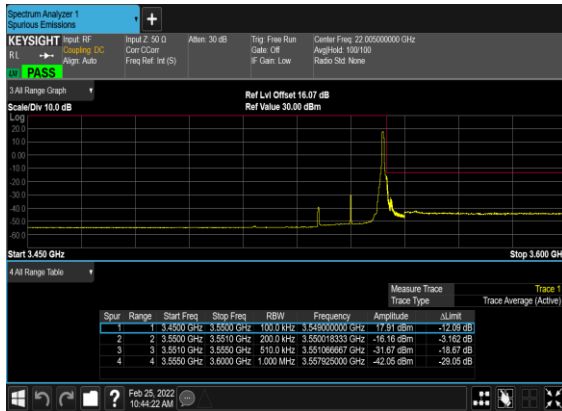
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



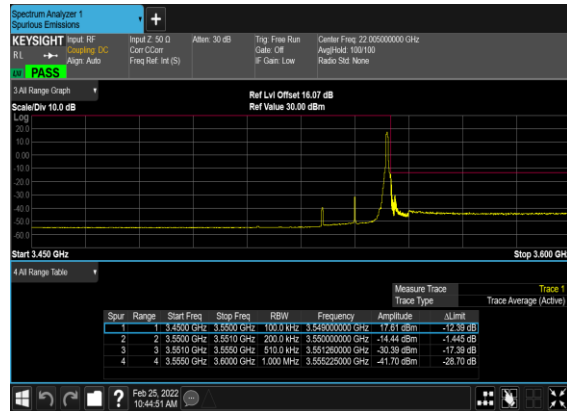
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



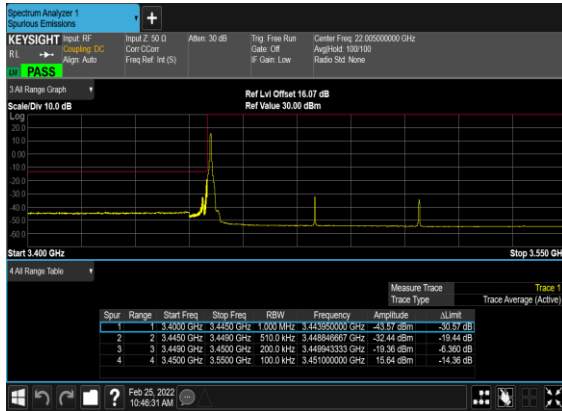
N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



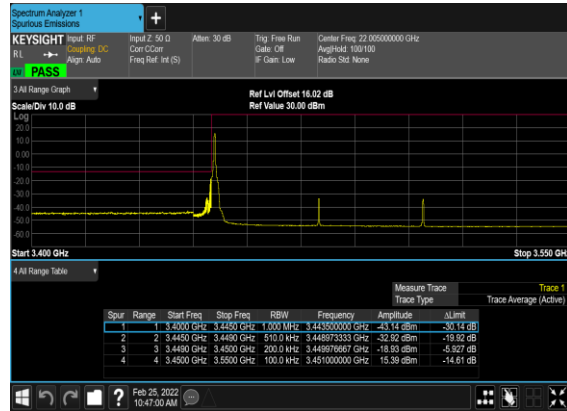
N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



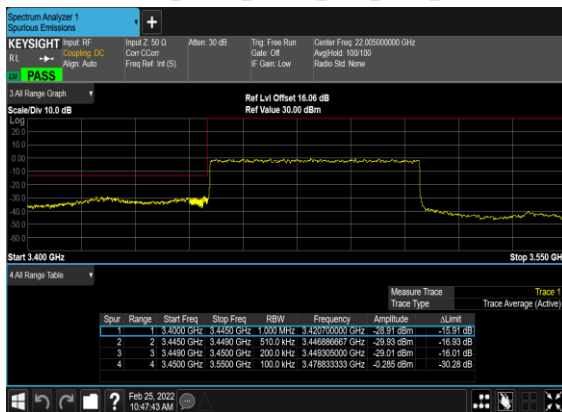
N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



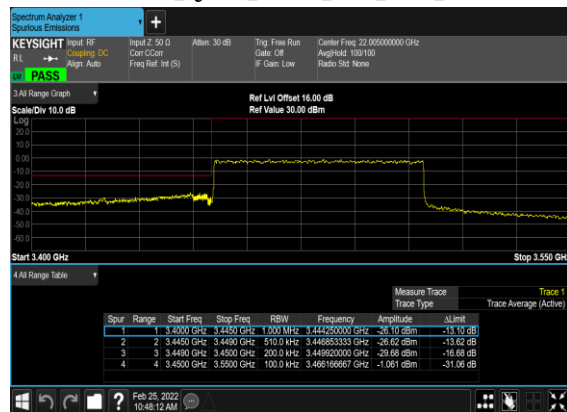
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



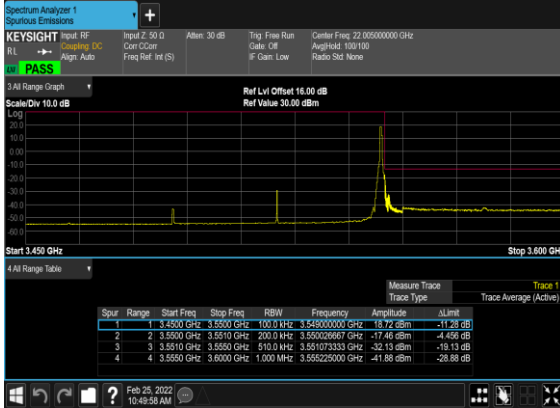
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



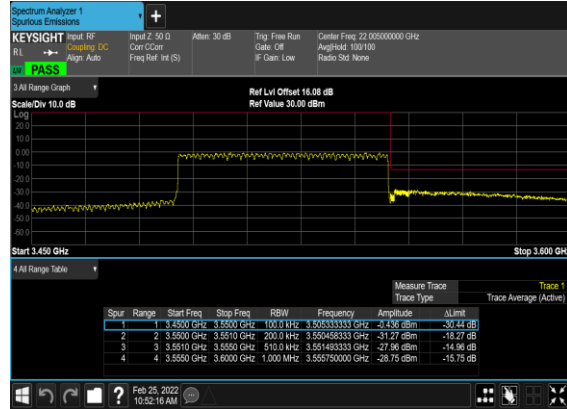
N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



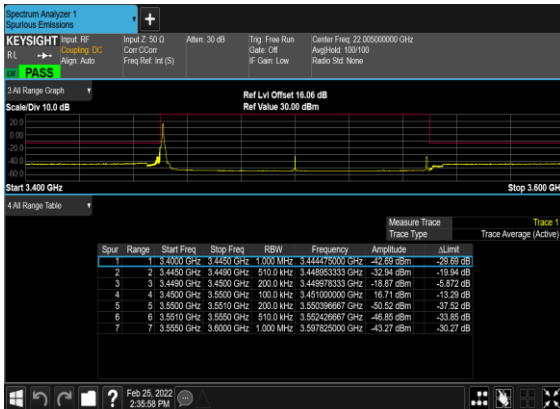
N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



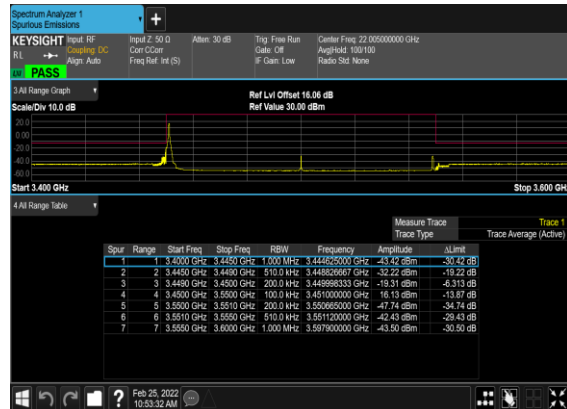
N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



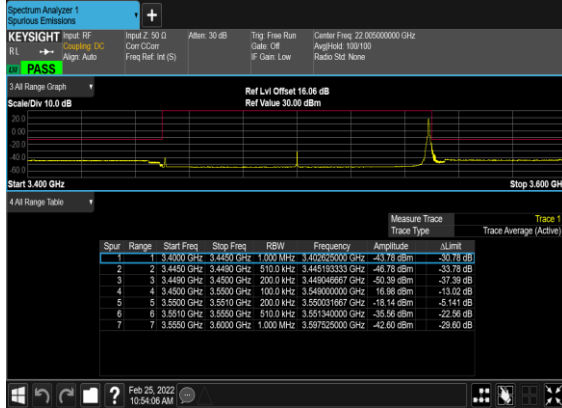
N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



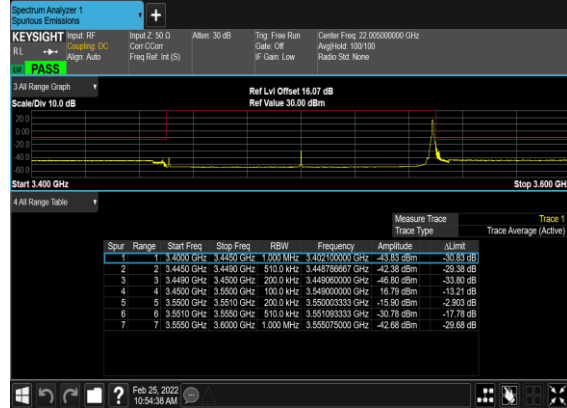
N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



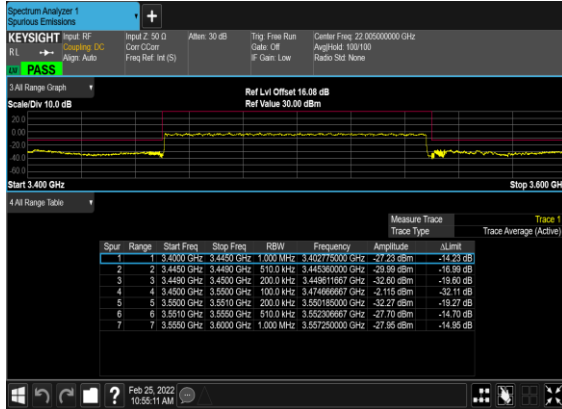
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



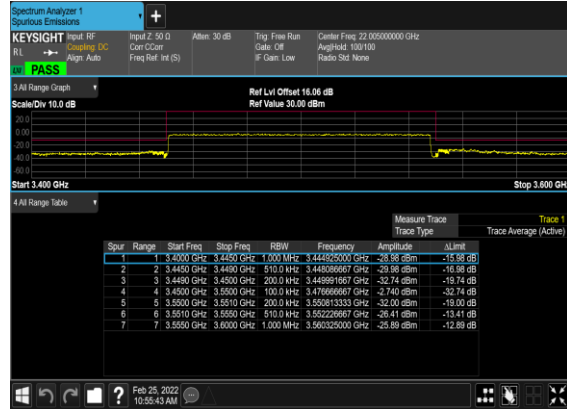
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N78(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N78(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH





Appendix B. Test Results of Radiated Test

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

EN-DC_2A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT3(NR)								
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	6912	-64.55	-13	-51.55	-75.03	2.76	13.24	H
	10368	-63.13	-13	-50.13	-72.72	3.42	13.01	H
	13824	-61.99	-13	-48.99	-71.60	3.83	13.44	H
	6912	-64.61	-13	-51.61	-75.05	2.80	13.24	V
	10368	-63.07	-13	-50.07	-72.62	3.46	13.01	V
	13824	-62.02	-13	-49.02	-71.58	3.88	13.44	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT3(NR)								
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	6912	-63.52	-13	-50.52	-74.00	2.76	13.24	H
	10368	-61.95	-13	-48.95	-71.54	3.42	13.01	H
	13824	-59.67	-13	-46.67	-69.28	3.83	13.44	H
	6912	-63.67	-13	-50.67	-74.11	2.80	13.24	V
	10368	-62.72	-13	-49.72	-72.27	3.46	13.01	V
	13824	-60.34	-13	-47.34	-69.90	3.88	13.44	V

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

n78A / 100MHz / QPSK / ANT3								
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	6900	-63.60	-13	-50.60	-74.08	2.76	13.24	H
	10356	-55.06	-13	-42.06	-64.65	3.42	13.01	H
	13824	-57.15	-13	-44.15	-66.76	3.83	13.44	H
	6900	-62.84	-13	-49.84	-73.28	2.80	13.24	V
	10356	-55.78	-13	-42.78	-65.33	3.46	13.01	V
	13824	-59.09	-13	-46.09	-68.65	3.88	13.44	V

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