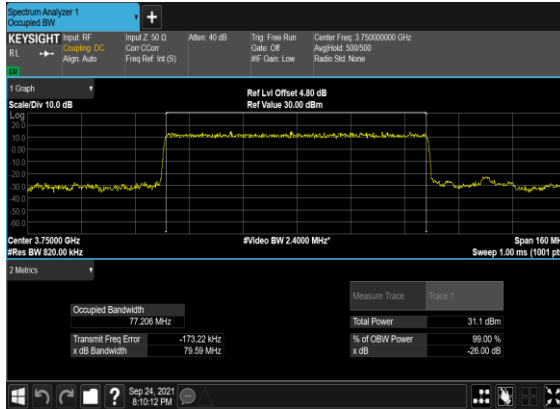
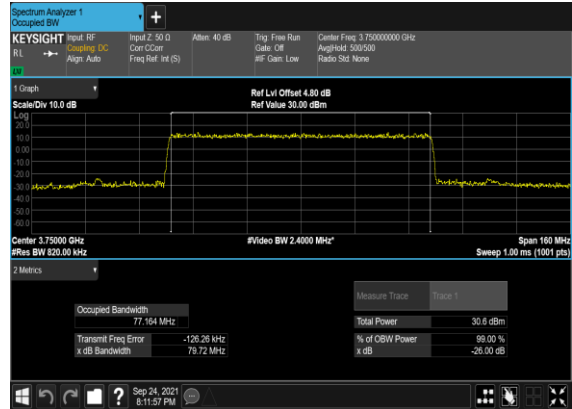


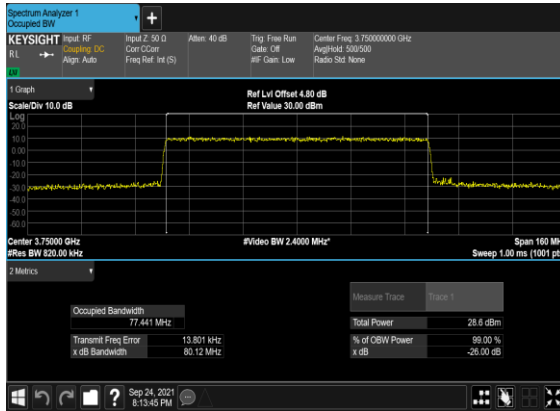
B5_N78(80M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



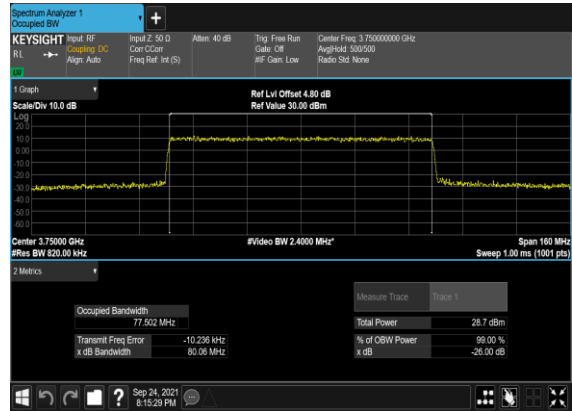
B5_N78(80M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



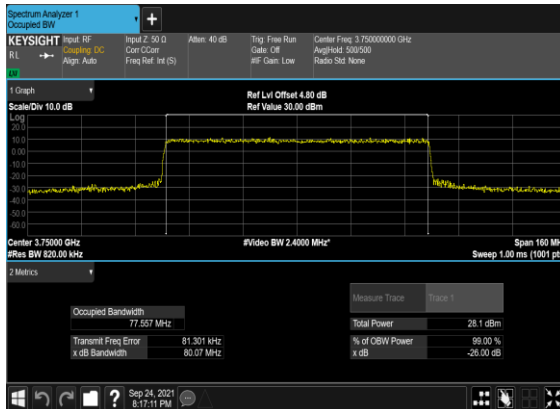
B5_N78(80M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



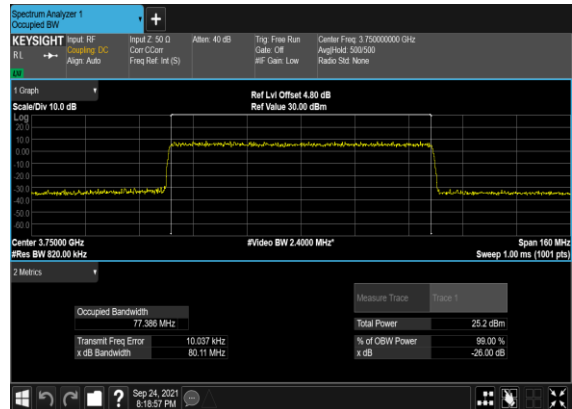
B5_N78(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



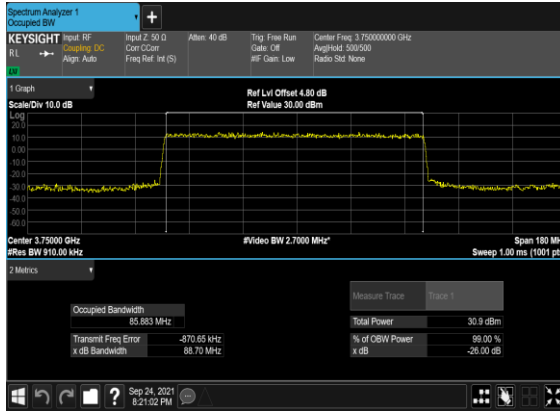
B5_N78(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



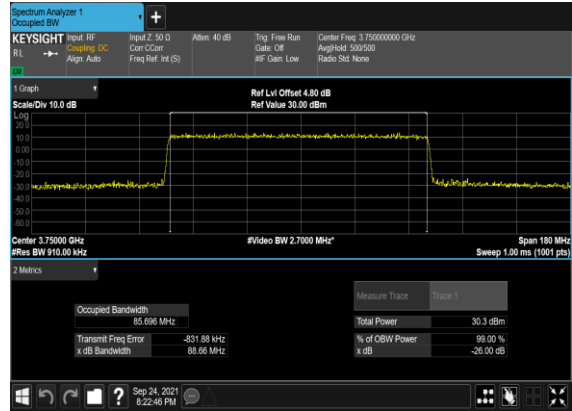
B5_N78(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



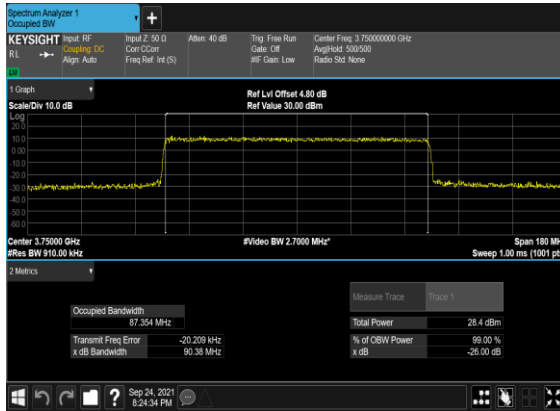
B5_N78(90M)_DFT-s-OFDM_PI_2- BPSK_Outer_Full_Mid_CH



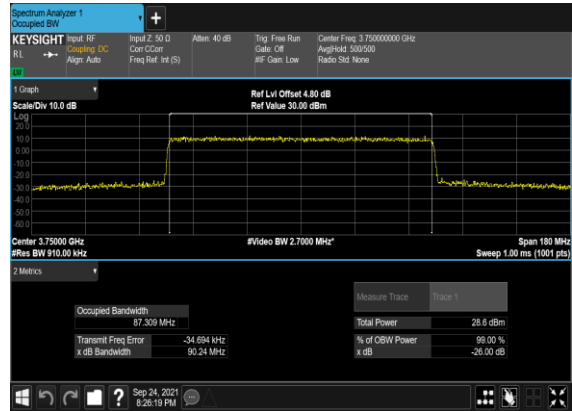
B5_N78(90M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



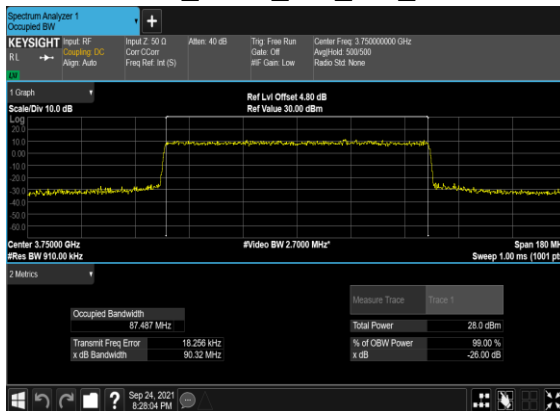
B5_N78(90M)_CP- OFDM_QPSK_Outer_Full_Mid_CH



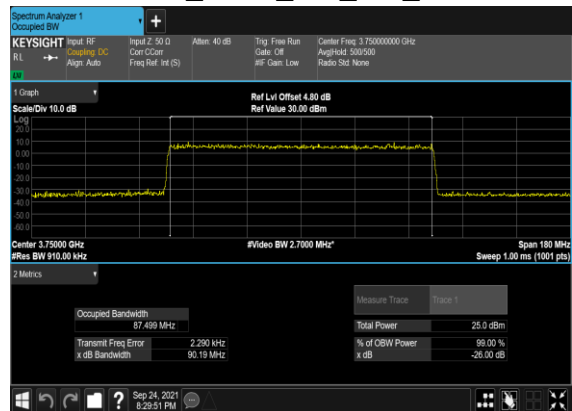
B5_N78(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



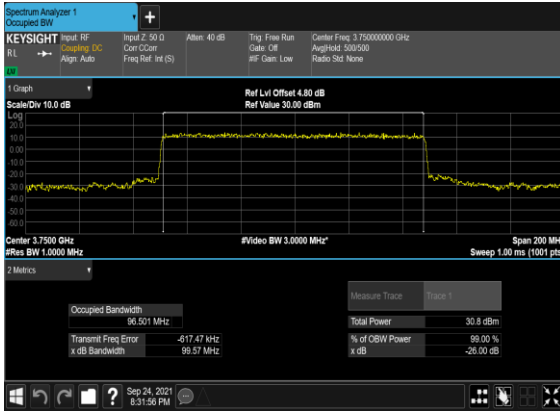
B5_N78(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



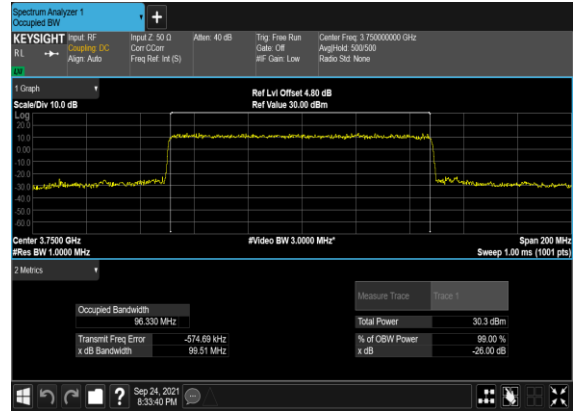
B5_N78(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH



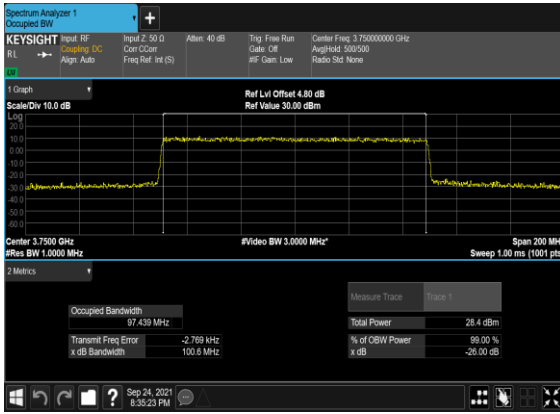
B5_N78(100M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



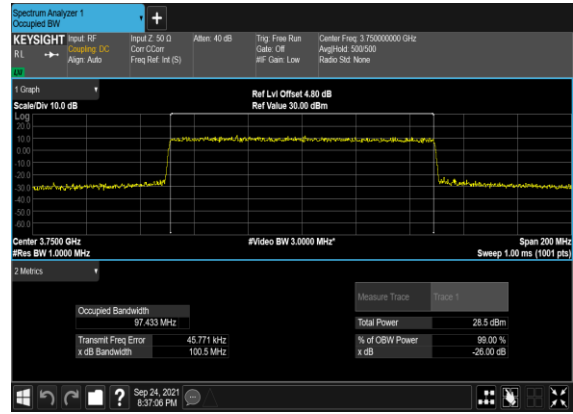
B5_N78(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



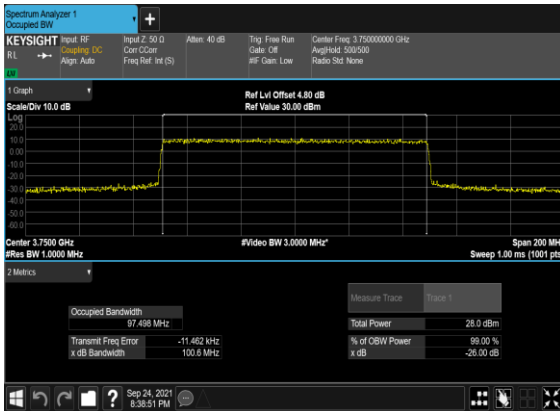
B5_N78(100M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



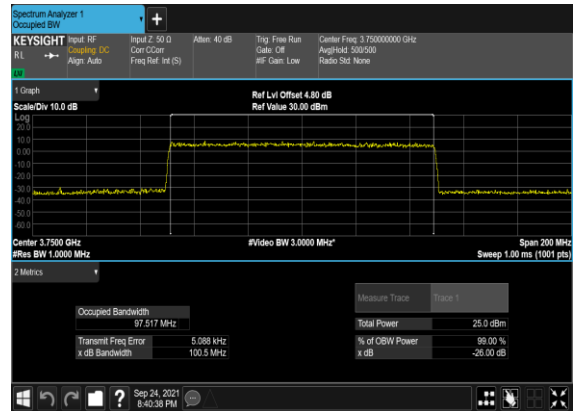
B5_N78(100M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B5_N78(100M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



B5_N78(100M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

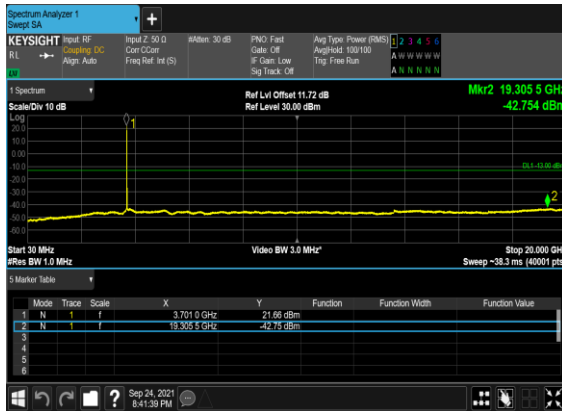


Conducted Spurious Emissions

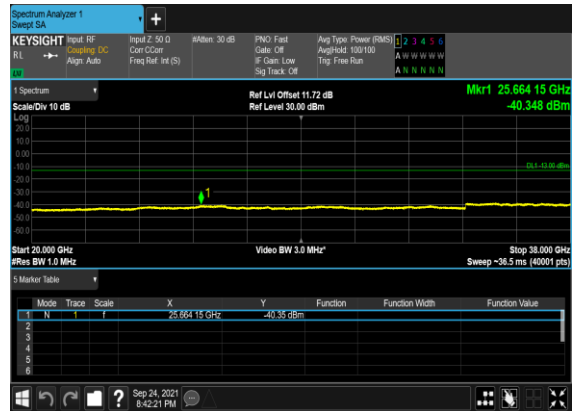
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	---

78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS

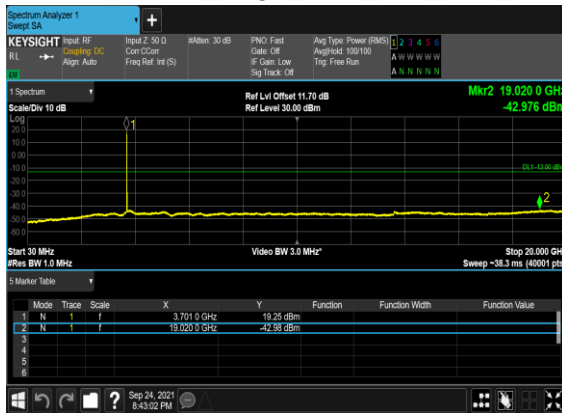
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



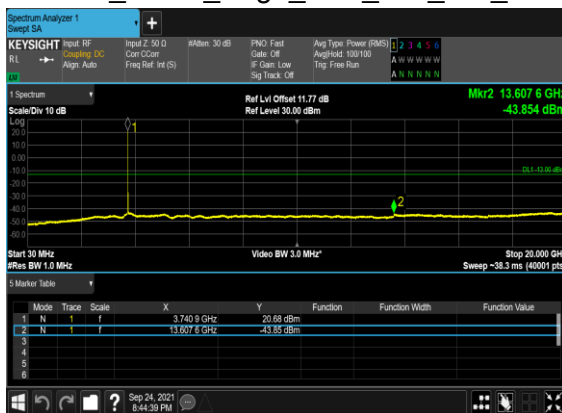
B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



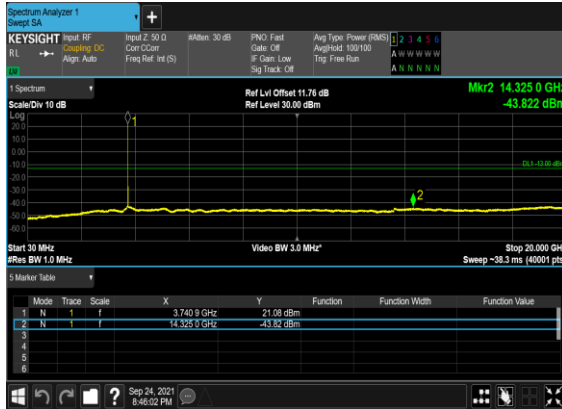
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



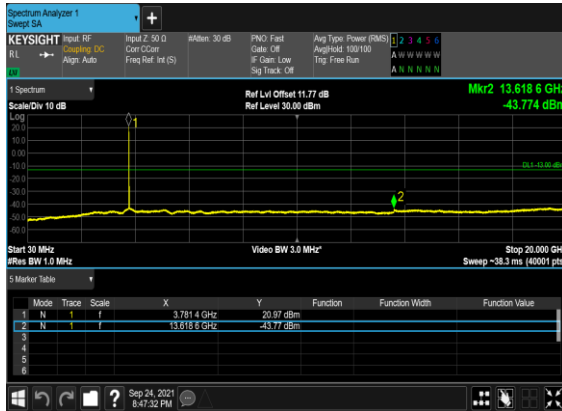
B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



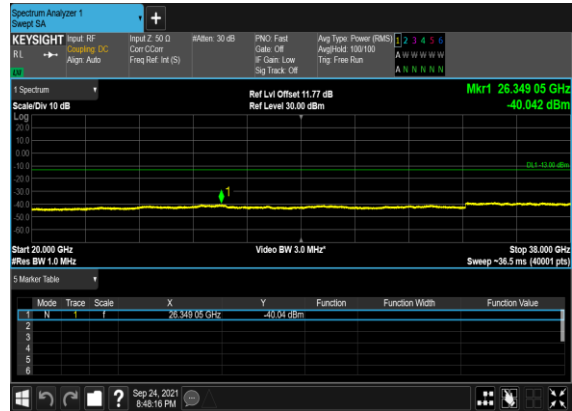
B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



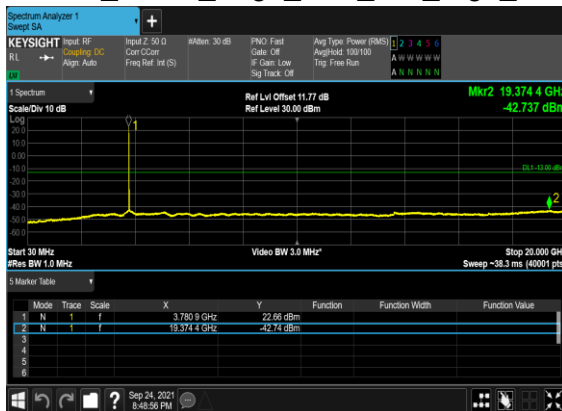
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



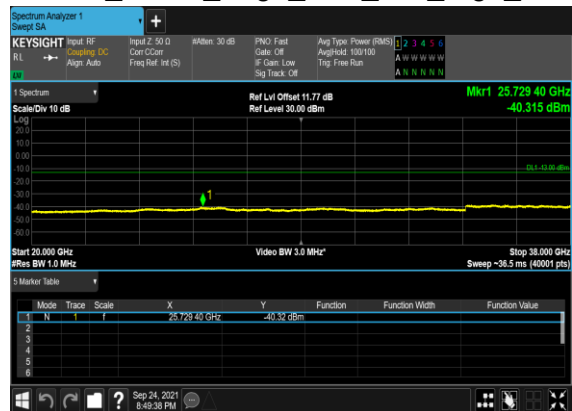
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



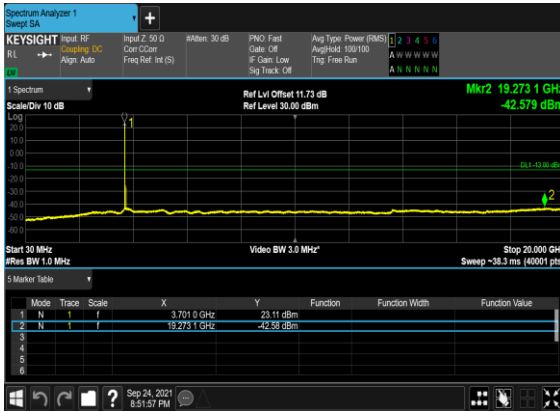
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



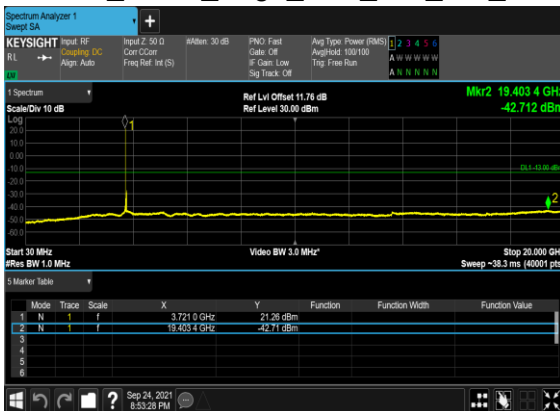
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



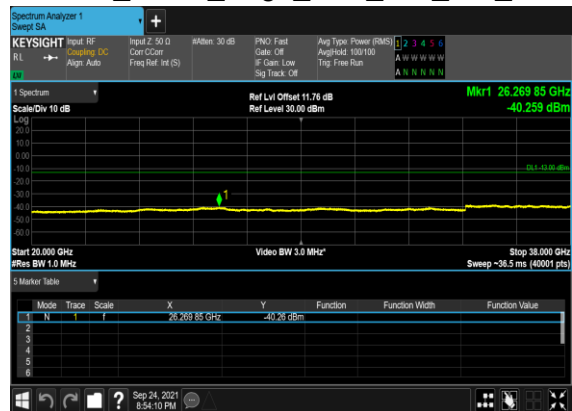
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



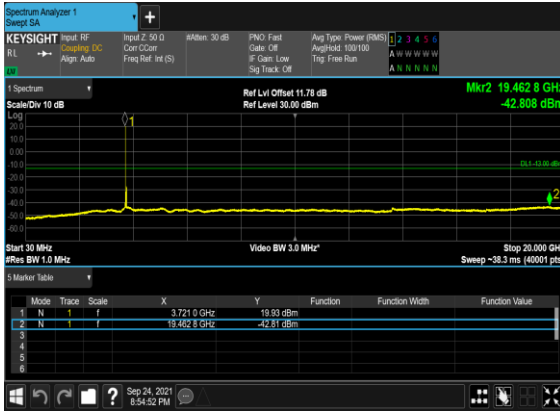
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



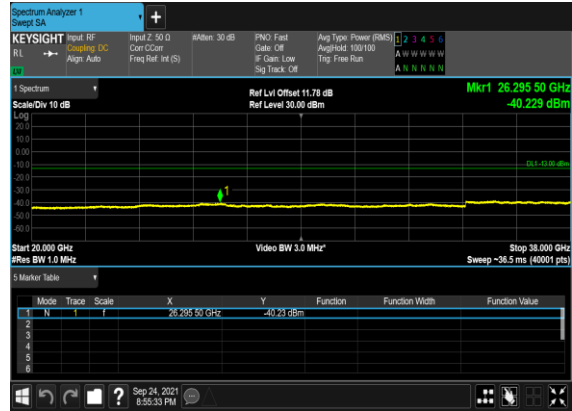
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



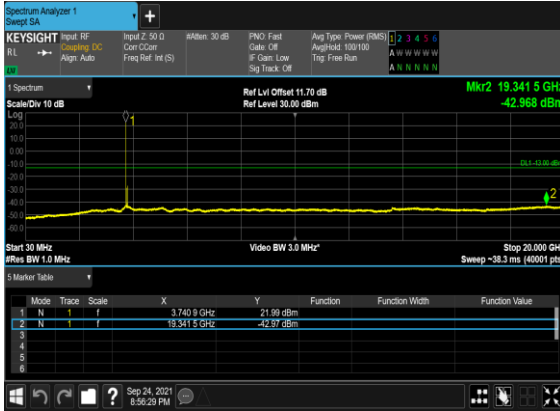
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



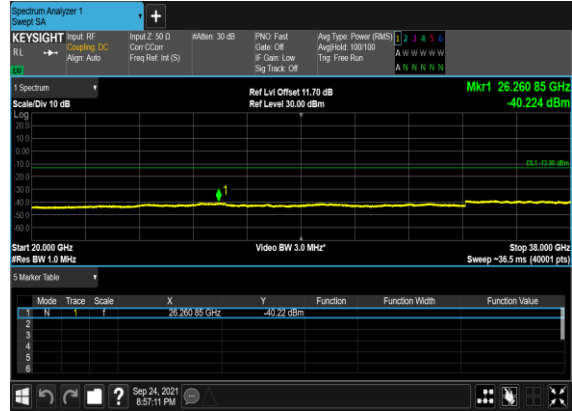
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



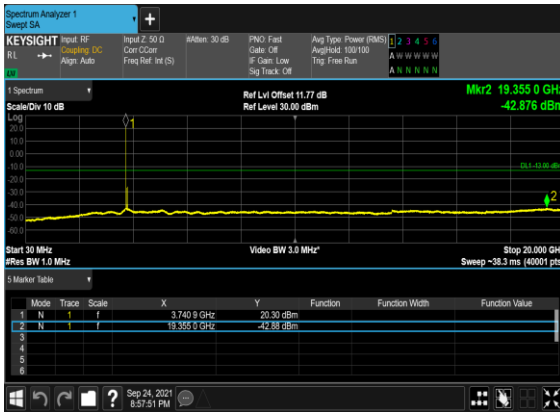
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



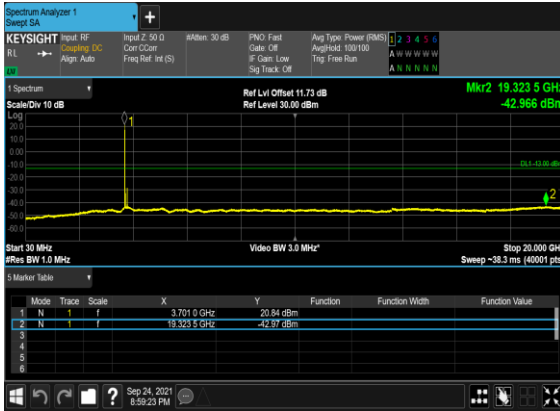
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



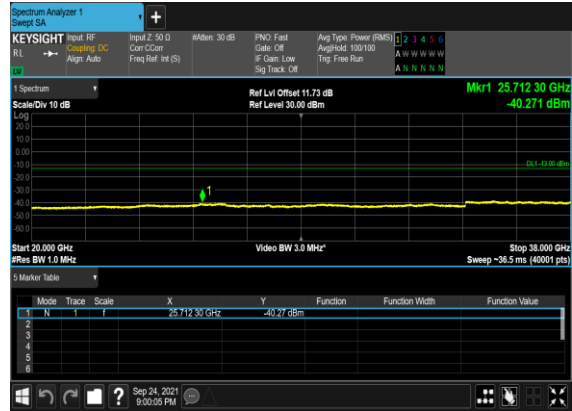
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



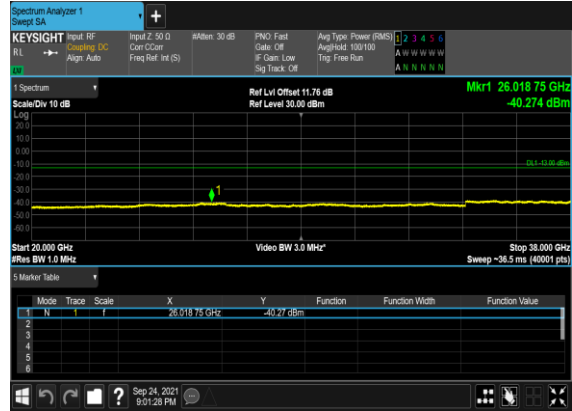
B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B5_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



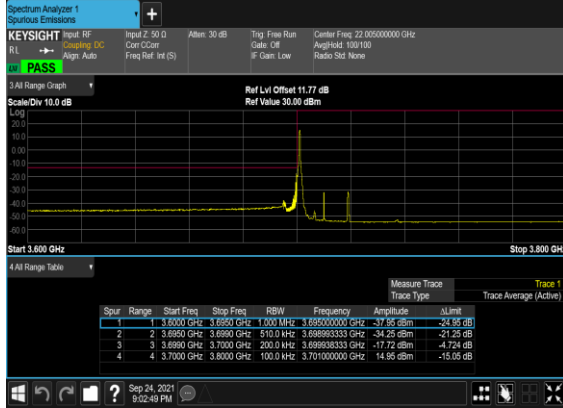
B5_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



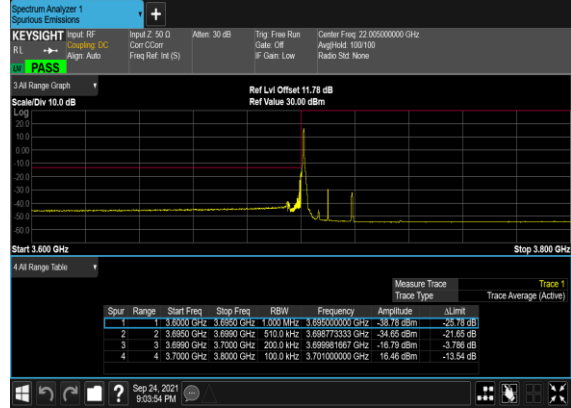
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS

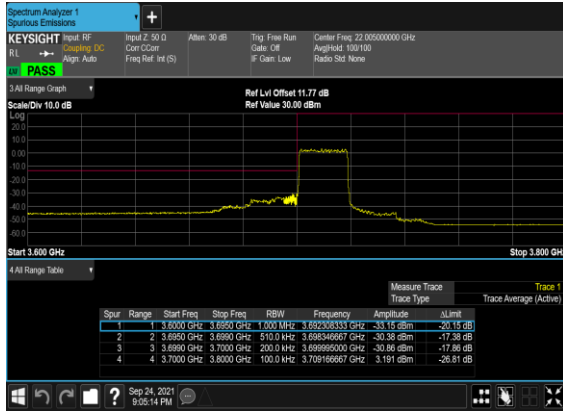
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



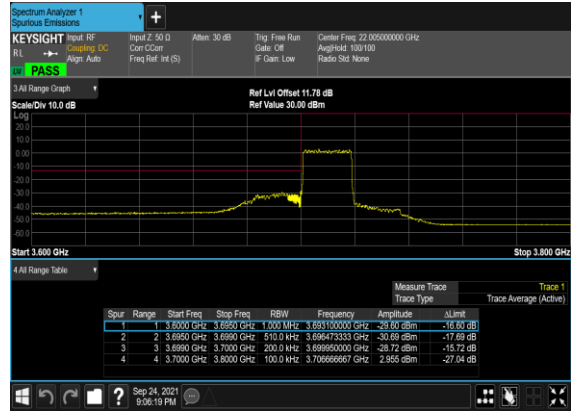
B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



B5_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



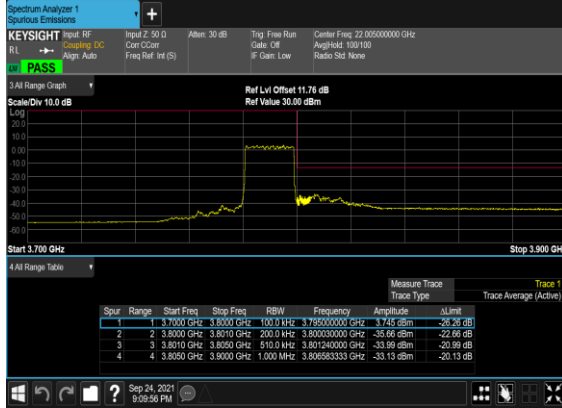
B5_N78(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



B5_N78(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



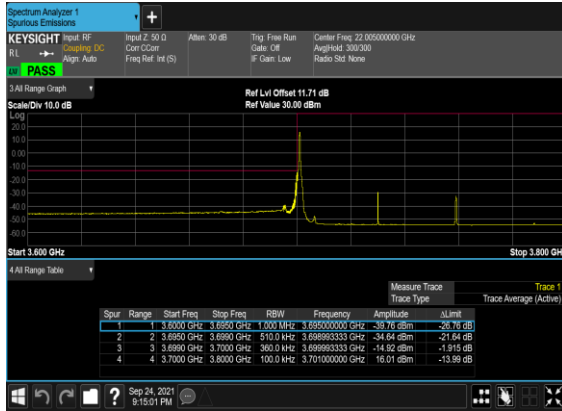
B5_N78(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



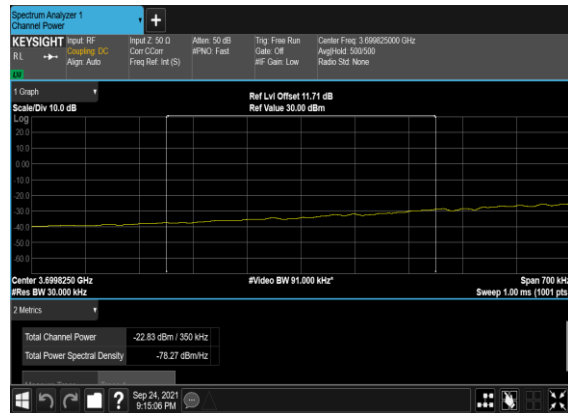
B5_N78(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



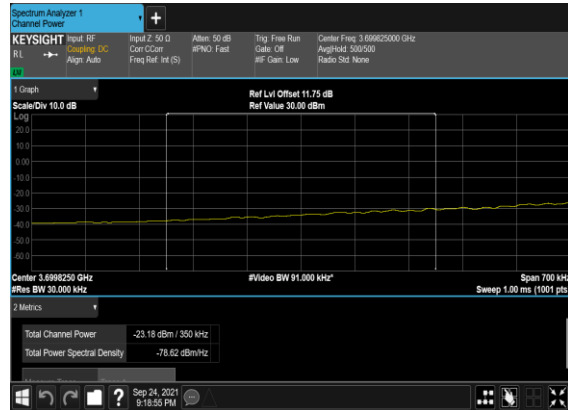
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



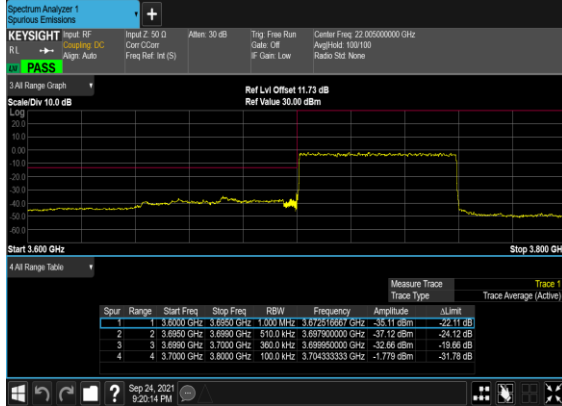
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



B5_N78(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



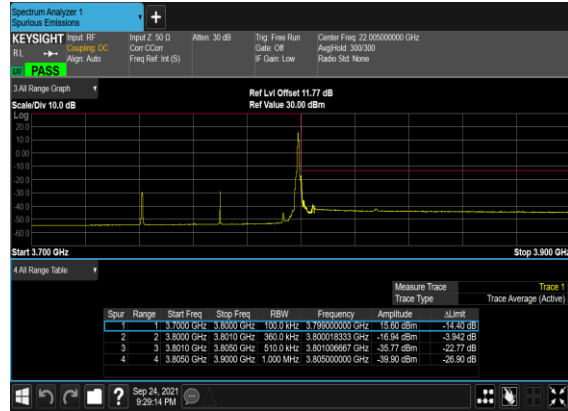
B5_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



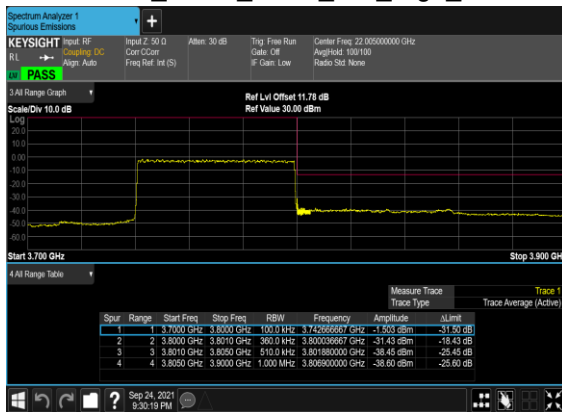
B5_N78(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



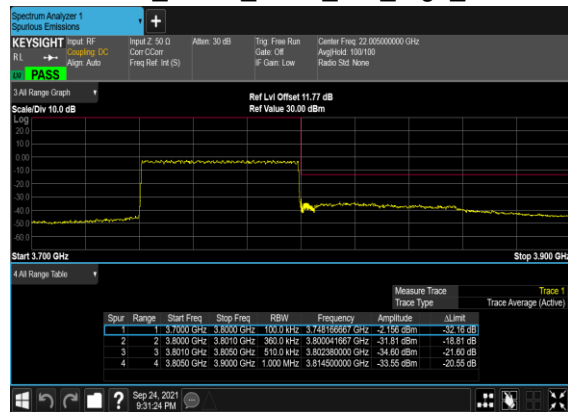
B5_N78(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



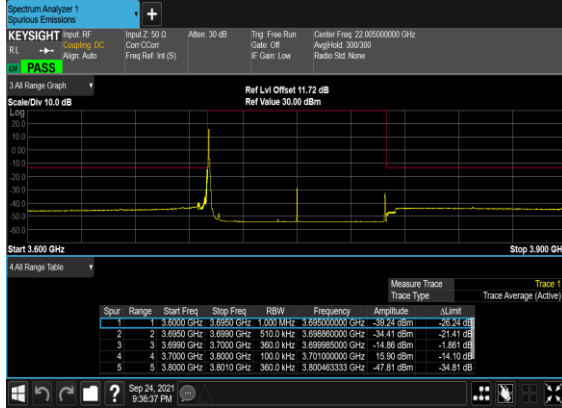
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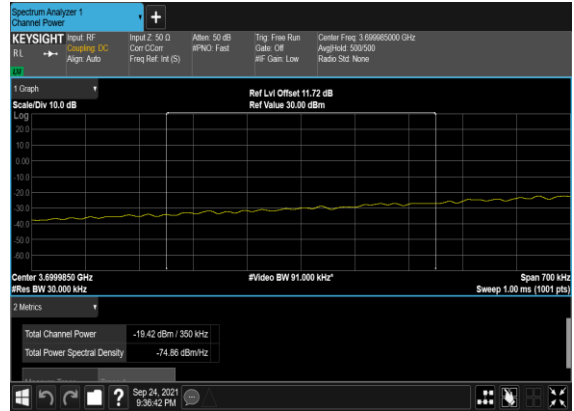
B5_N78(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



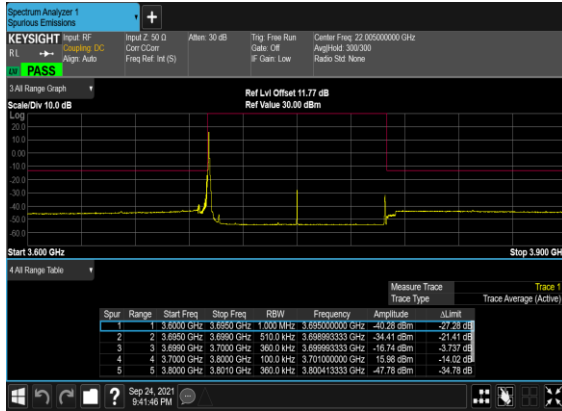
B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



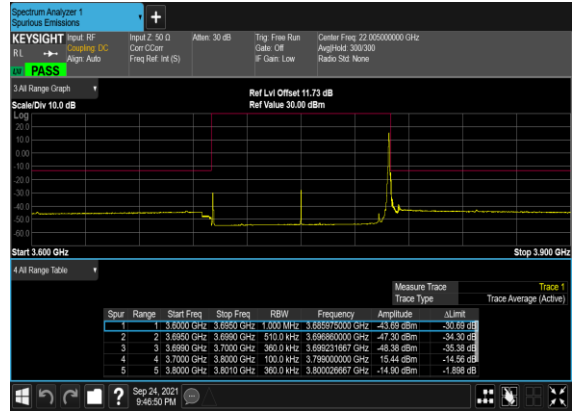
B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_ASS



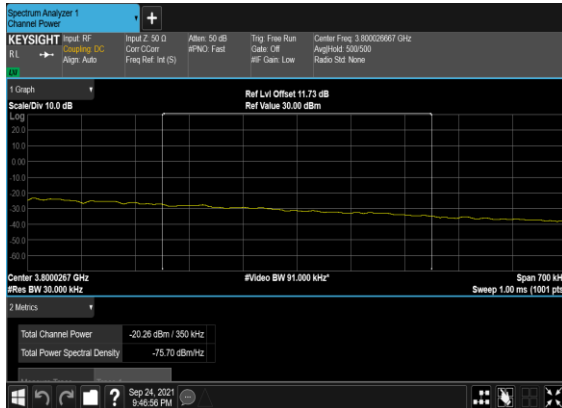
B5_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



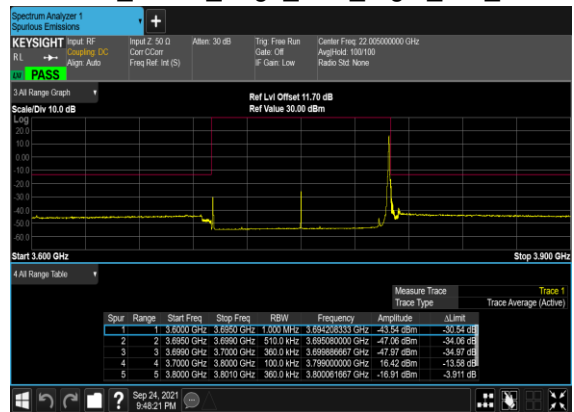
B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



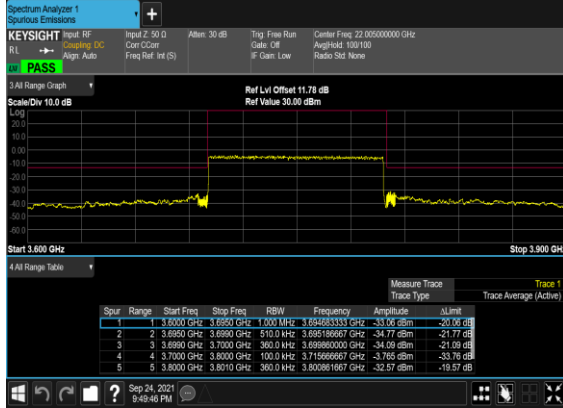
B5_N78(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH_CHP_PASS



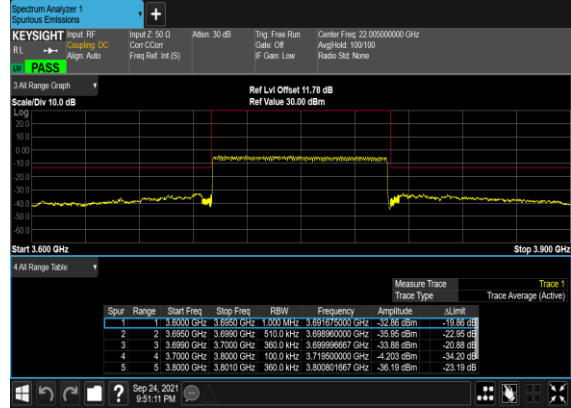
B5_N78(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



B5_N78(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



B5_N78(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / DFTs OFDM-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 n77 Middle	7500.00	-54.27	-13	-41.27	-78.97	-59.83	7.14	12.70	H
	11250.00	-48.01	-13	-35.01	-79.47	-51.31	8.30	11.60	H
	15000.00	-44.21	-13	-31.21	-79.43	-45.73	10.48	12.00	H
	7500.00	-54.91	-13	-41.91	-79.6	-60.47	7.14	12.70	V
	11250.00	-48.71	-13	-35.71	-79.89	-52.01	8.30	11.60	V
	15000.00	-44.89	-13	-31.89	-79.6	-46.41	10.48	12.00	V
LTE Band41 Middle	5186	-60.80	-25	-29.82	-80.24	-66.36	7.14	12.70	H
	7779	-54.50	-25	-29.19	-79.41	-57.80	8.30	11.60	H
	10372	-49.69	-25	-25.86	-79.62	-51.21	10.48	12.00	H
	5186	-60.41	-25	-29.31	-80.14	-65.97	7.14	12.70	V
	7779	-54.40	-25	-25.68	-79.14	-57.70	8.30	11.60	V
	10372	-50.68	-25	-23.48	-79.78	-52.20	10.48	12.00	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / DFTs OFDM-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 n78 Middle	7463.28	-53.78	-13	-40.78	-78.56	-59.34	7.14	12.70	H
	11194.92	-48.90	-13	-35.90	-80.25	-52.20	8.30	11.60	H
	14926.56	-46.82	-13	-33.82	-82.05	-48.34	10.48	12.00	H
	7463.28	-53.48	-13	-40.48	-78.26	-59.04	7.14	12.70	V
	11194.92	-49.21	-13	-36.21	-80.27	-52.51	8.30	11.60	V
	14926.56	-47.61	-13	-34.61	-82.32	-49.13	10.48	12.00	V
LTE Band5 Middle	1664.18	-65.26	-13	-52.26	-73.93	-68.51	4.00	9.40	H
	2496.27	-62.82	-13	-49.82	-75.67	-66.39	4.88	10.60	H
	3328.36	-62.02	-13	-49.02	-76.57	-66.95	5.52	12.60	H
	1664.18	-65.84	-13	-52.84	-74.11	-69.09	4.00	9.40	V
	2496.27	-62.90	-13	-49.90	-75.71	-66.47	4.88	10.60	V
	3328.36	-62.44	-13	-49.44	-76.75	-67.37	5.52	12.60	V

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



Appendix D. Reference Report

Please refer to Sporton report number FG180409C which is issued separately.