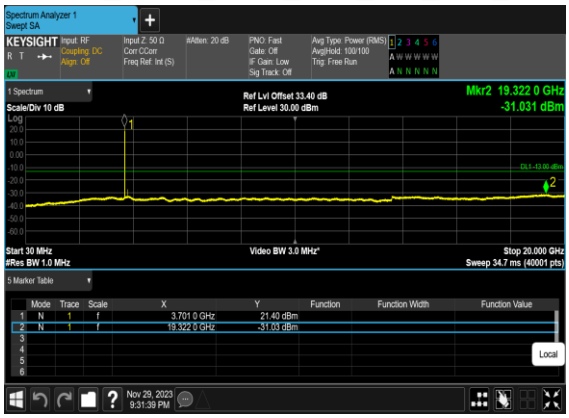
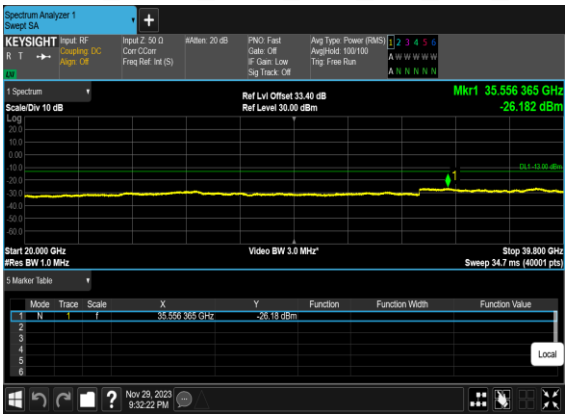
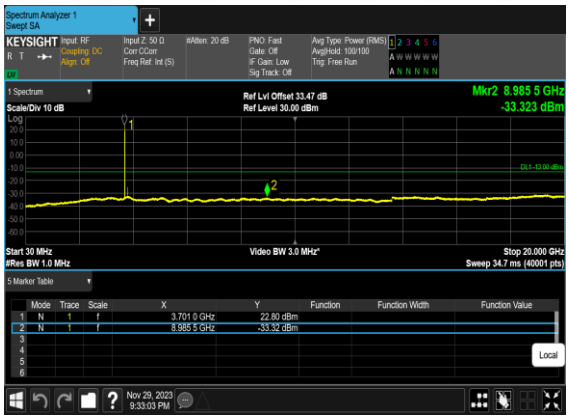
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



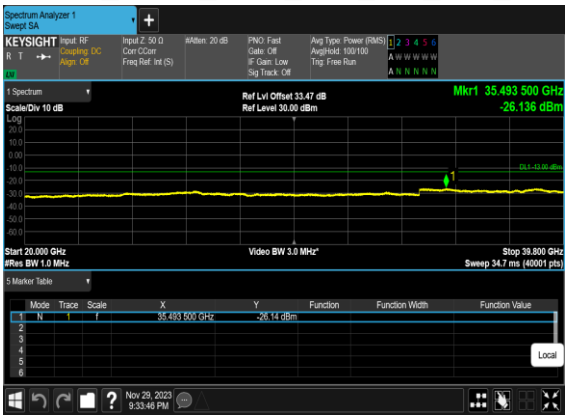
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



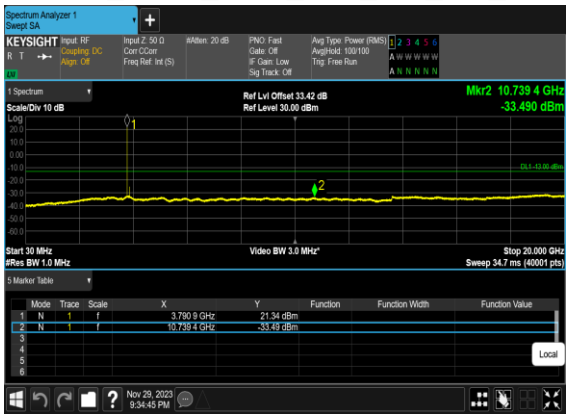
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



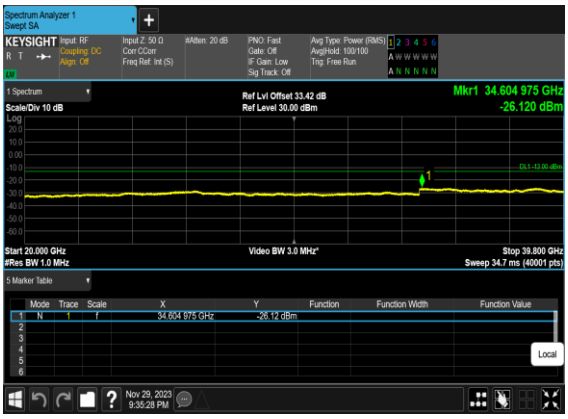
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



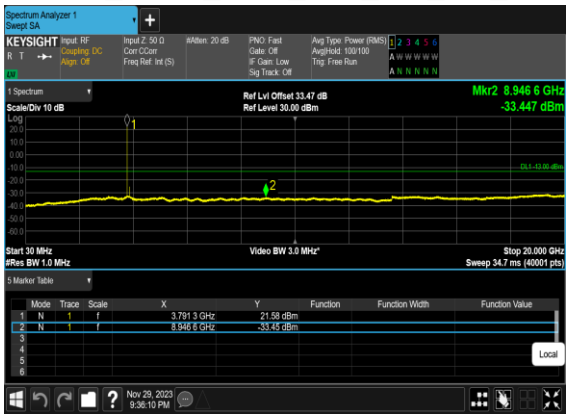
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



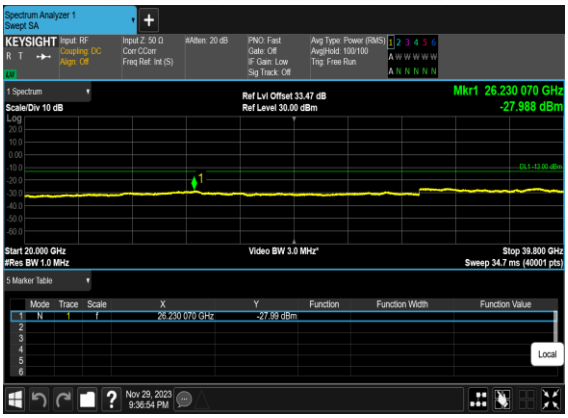
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



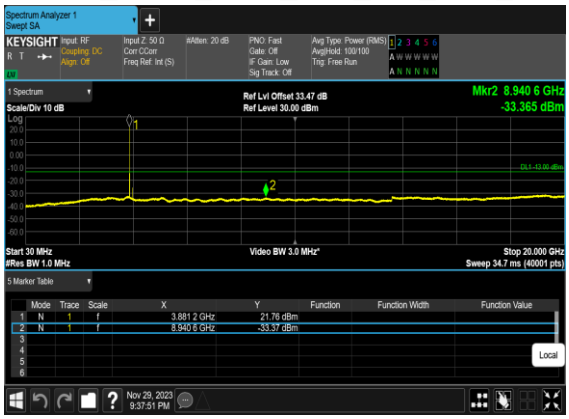
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



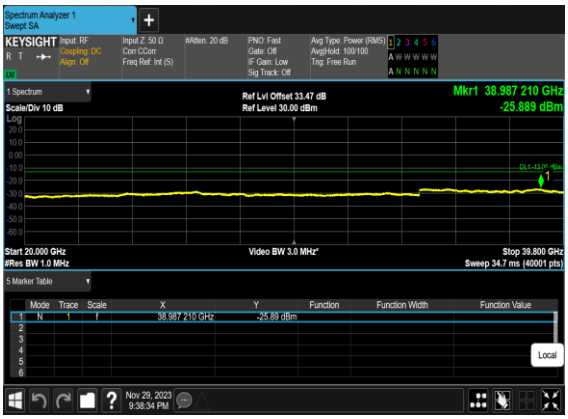
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



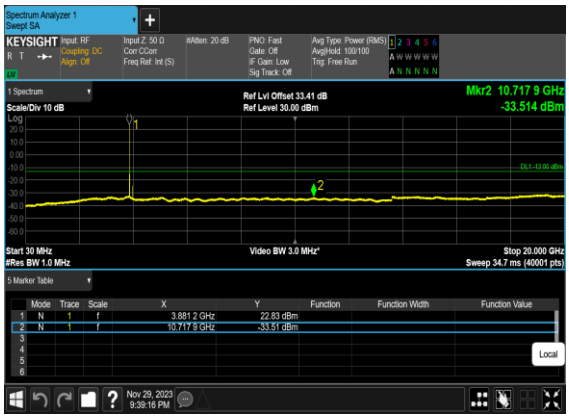
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



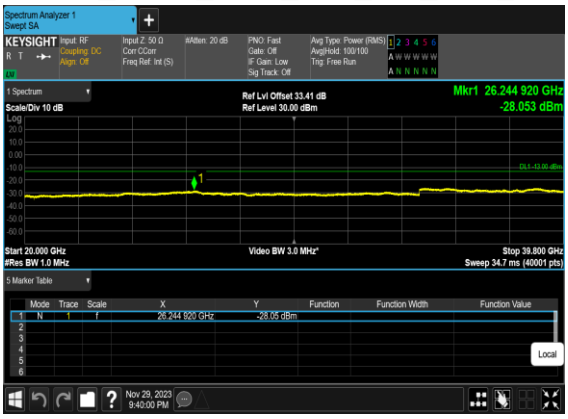
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



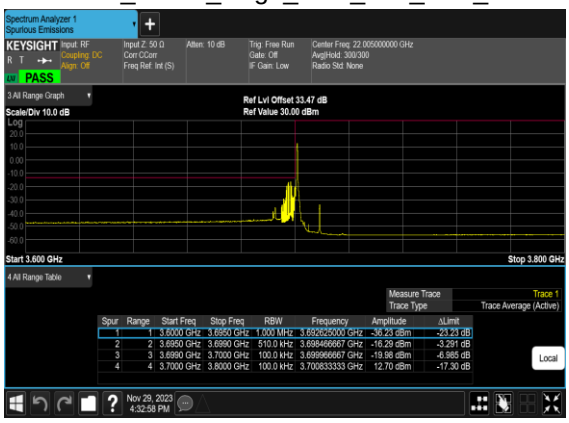
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



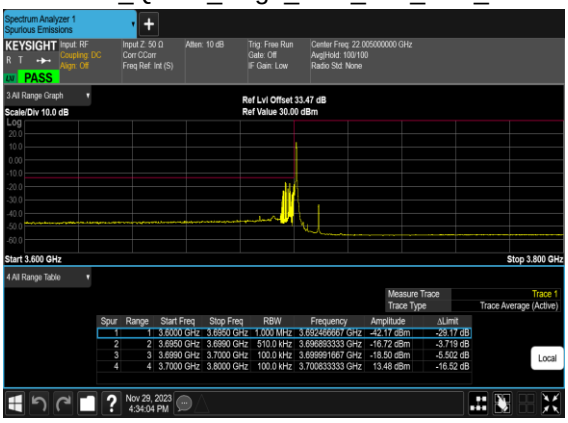
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	1@161	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@161	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM BPSK	162@0	see graph	**PASS**
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	162@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**

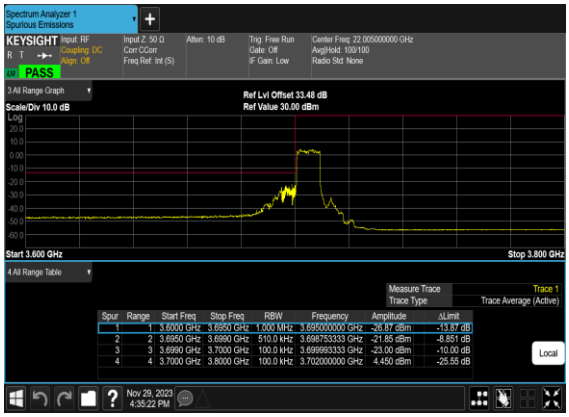
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



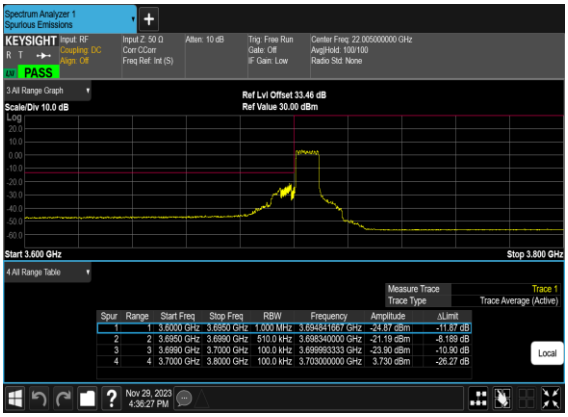
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



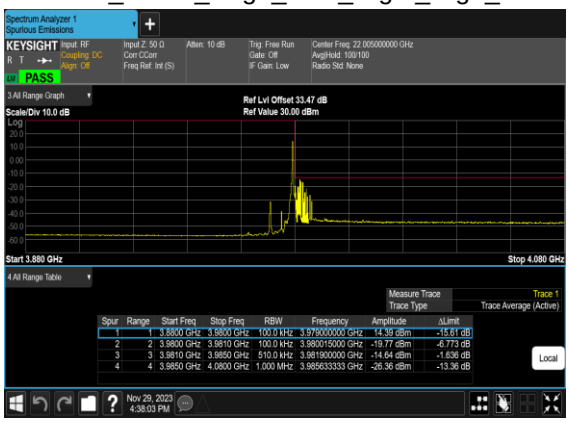
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



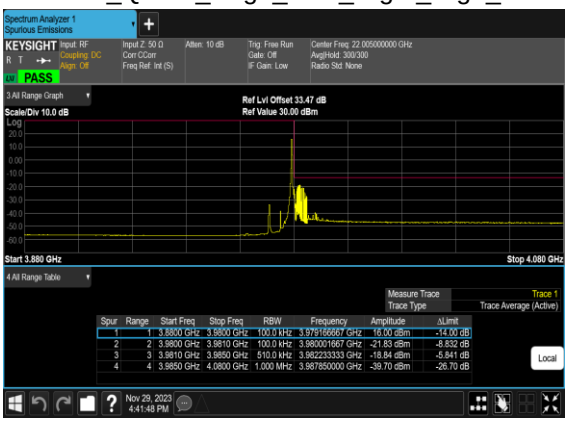
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



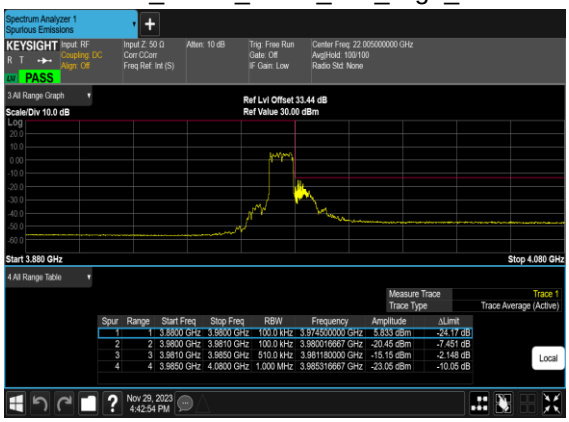
N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



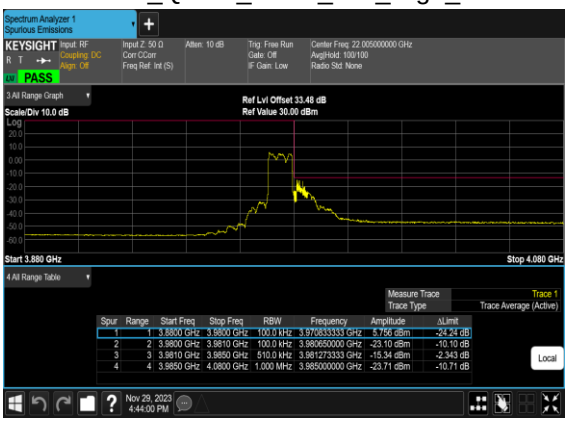
N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



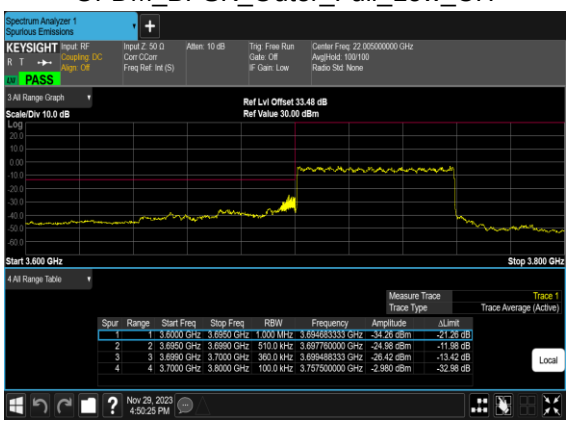
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



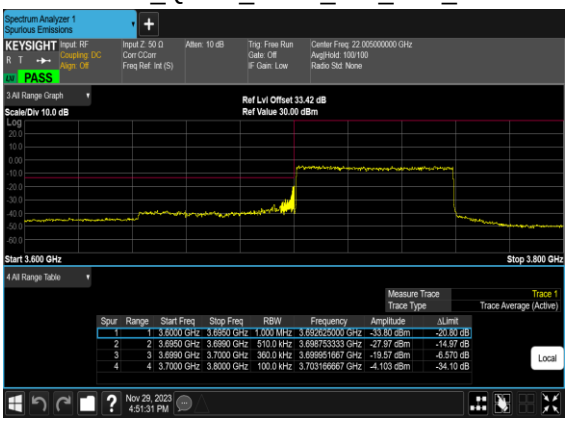
N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

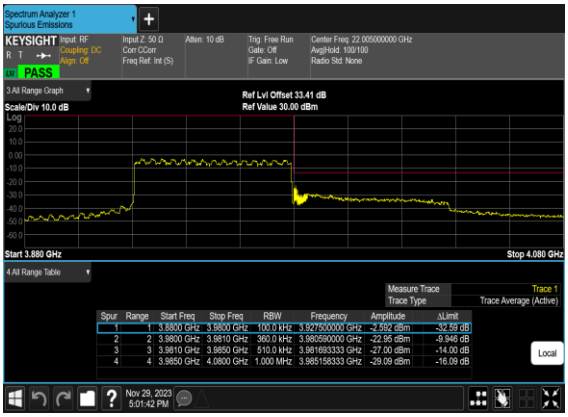


N77(60M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

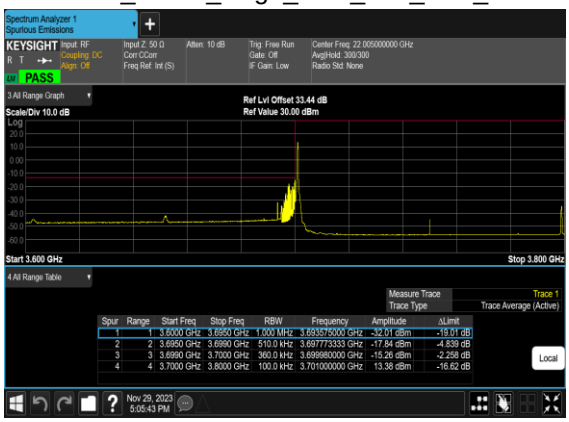
N77(60M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(60M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

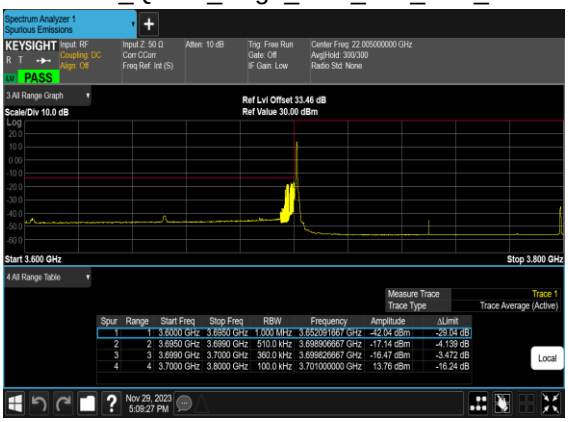
N77(60M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



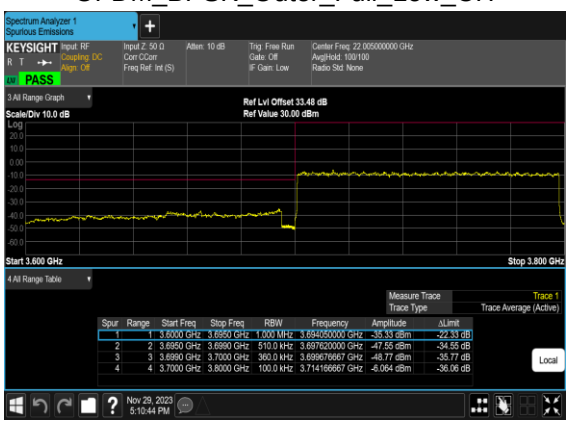
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



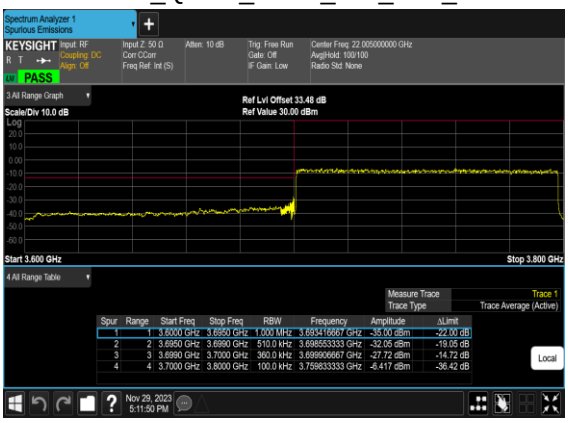
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



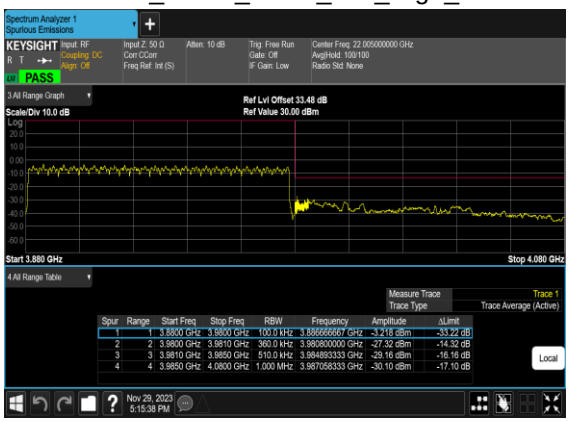
N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



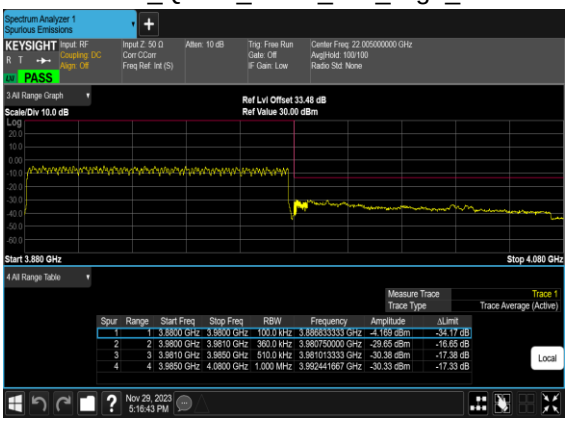
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 22.09.0601

FR1 N78(ANT1)

Transmitter Conducted Output Power and EIRP, (G_T - L_C)=0.1dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	27.14	27.24	0.5297
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	27.16	27.26	0.5321
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	26.13	26.23	0.4198
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.24	26.34	0.4305
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	26.25	26.35	0.4315
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.13	25.23	0.3334
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	26.33	26.43	0.4395
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	26.35	26.45	0.4416
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	25.28	25.38	0.3451
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	27.12	27.22	0.5272
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	27.09	27.19	0.5236
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	26.04	26.14	0.4111
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.64	26.74	0.4721
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	26.65	26.75	0.4732
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.54	25.64	0.3664
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	26.34	26.44	0.4406
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	26.31	26.41	0.4375
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	25.27	25.37	0.3443
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	27.16	27.26	0.5321
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	27.11	27.21	0.5260
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	26.13	26.23	0.4198
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.90	27	0.5012
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	26.87	26.97	0.4977
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.82	25.92	0.3908
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	26.51	26.61	0.4581
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	26.51	26.61	0.4581
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	25.55	25.65	0.3673
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	27.53	27.63	0.5794
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	27.50	27.6	0.5754
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	26.48	26.58	0.4550
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.57	27.67	0.5848
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	27.51	27.61	0.5768
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.47	26.57	0.4539
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	27.03	27.13	0.5164
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	26.92	27.02	0.5035
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	26.07	26.17	0.4140
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	27.19	27.29	0.5358
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	27.11	27.21	0.5260
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	26.14	26.24	0.4207
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.26	27.36	0.5445

78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	27.23	27.33	0.5408
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.19	26.29	0.4256
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	26.55	26.65	0.4624
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	26.49	26.59	0.4560
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	25.48	25.58	0.3614
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	27.30	27.4	0.5495
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	27.26	27.36	0.5445
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	26.21	26.31	0.4276
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.24	27.34	0.5420
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	27.22	27.32	0.5395
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.24	26.34	0.4305
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	25.73	25.83	0.3828
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.70	25.8	0.3802
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.74	24.84	0.3048
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	27.04	27.14	0.5176
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.98	27.08	0.5105
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.97	26.07	0.4046
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.96	27.06	0.5082
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	27.04	27.14	0.5176
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.84	25.94	0.3926
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	25.37	25.47	0.3524
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.38	25.48	0.3532
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.30	24.4	0.2754
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	26.90	27	0.5012
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.94	27.04	0.5058
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.95	26.05	0.4027
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.98	27.08	0.5105
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	27.00	27.1	0.5129
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.91	26.01	0.3990
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	26.21	26.31	0.4276
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	26.22	26.32	0.4285
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	25.07	25.17	0.3289
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	26.98	27.08	0.5105
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	27.00	27.1	0.5129
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.99	26.09	0.4064
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.18	27.28	0.5346
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	27.17	27.27	0.5333
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.13	26.23	0.4198
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	27.62	27.72	0.5916
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	27.43	27.53	0.5662
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	26.74	26.84	0.4831
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	26.97	27.07	0.5093
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.81	26.91	0.4909
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.84	25.94	0.3926
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.25	27.35	0.5433
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	27.26	27.36	0.5445
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.22	26.32	0.4285
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	26.71	26.81	0.4797

78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	26.59	26.69	0.4667
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	25.57	25.67	0.3690
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	27.10	27.2	0.5248
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	27.05	27.15	0.5188
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	26.04	26.14	0.4111
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.26	27.36	0.5445
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	27.27	27.37	0.5458
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.29	26.39	0.4355
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	26.89	26.99	0.5000
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	26.78	26.88	0.4875
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	25.87	25.97	0.3954
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	27.43	27.53	0.5662
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.72	27.82	0.6053
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	27.52	27.62	0.5781
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.46	26.56	0.4529
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	27.58	27.68	0.5861
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.28	26.38	0.4345
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.54	25.64	0.3664
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.95	26.05	0.4027
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.16	25.26	0.3357
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	24.04	24.14	0.2594
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.3	24.4	0.2754
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.57	23.67	0.2328
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	22.06	22.16	0.1644
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.37	22.47	0.1766
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.68	21.78	0.1507
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.93	25.03	0.3184
78	30	100	650000	3750	CP-OFDM QPSK	1@1	25.52	25.62	0.3648
78	30	100	650000	3750	CP-OFDM QPSK	1@271	24.81	24.91	0.3097

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris	Temperature :	23~25℃
		Relative Humidity :	41~42%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT8)								
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	7583	-52.06	-13	-39.06	-62.27	3.03	13.24	H
	11378	-45.99	-13	-32.99	-55.44	3.56	13.01	H
	15184	-60.06	-13	-47.06	-69.58	3.92	13.44	H
	7583	-55.17	-13	-42.17	-65.38	3.03	13.24	V
	11378	-52.00	-13	-39.00	-61.45	3.56	13.01	V
	15184	-60.17	-13	-47.17	-69.69	3.92	13.44	V

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