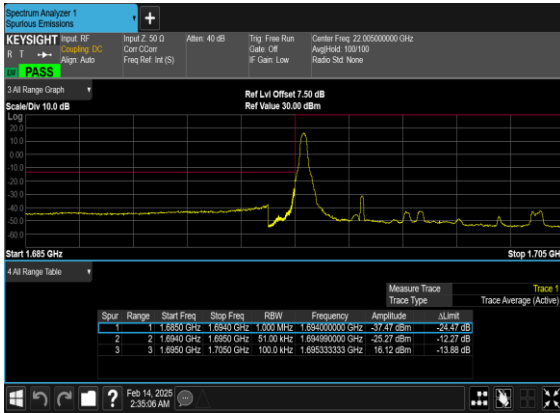
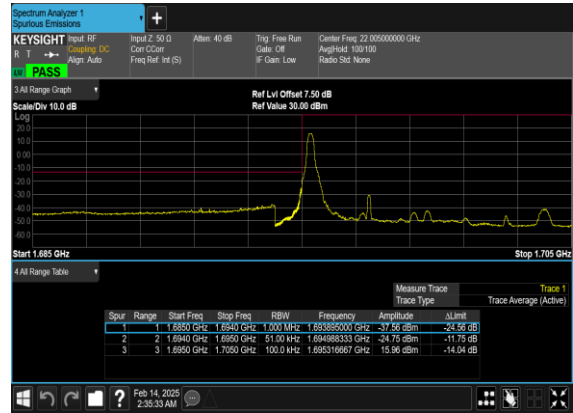




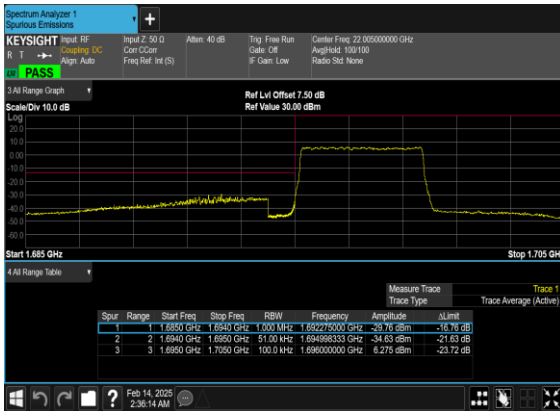
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



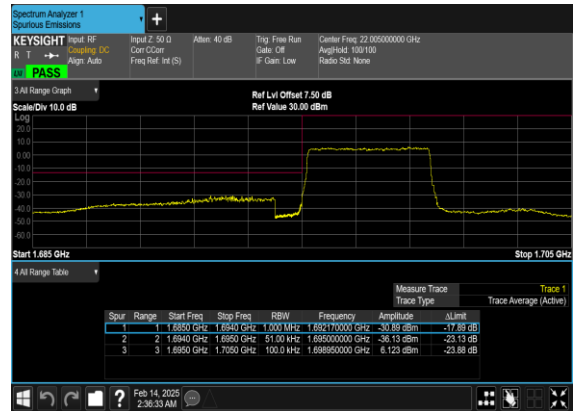
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

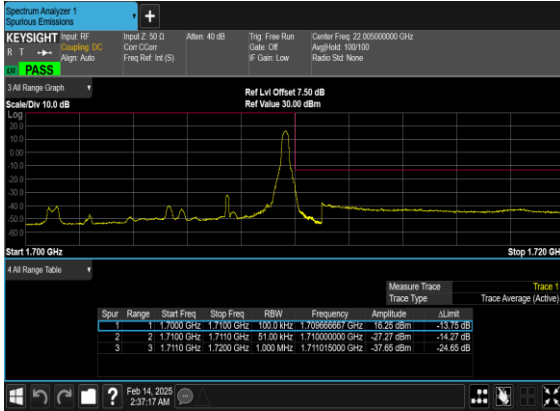


N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

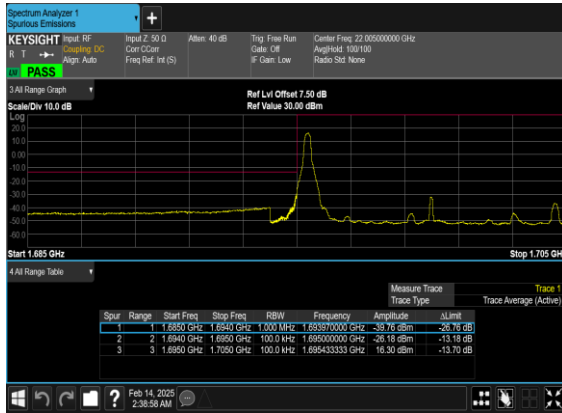


N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

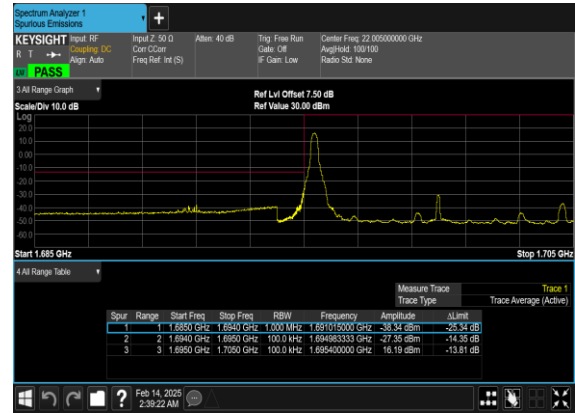




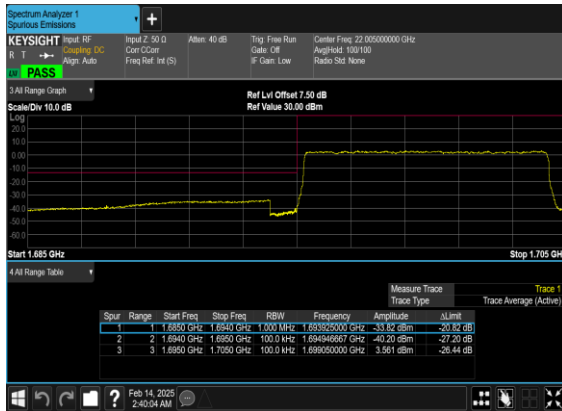
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



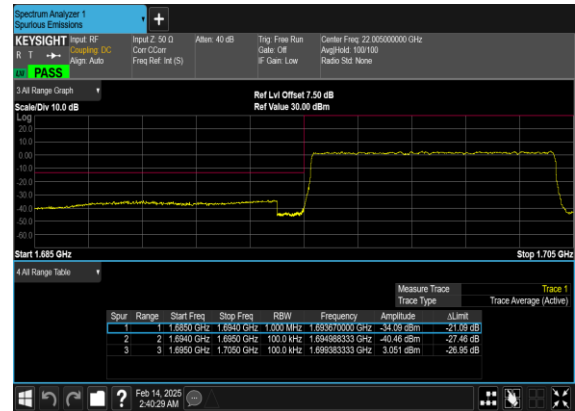
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

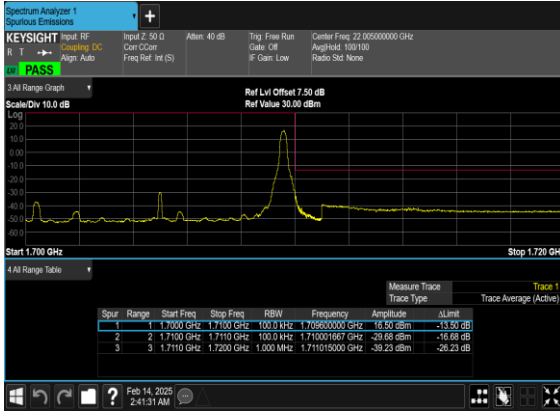


N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



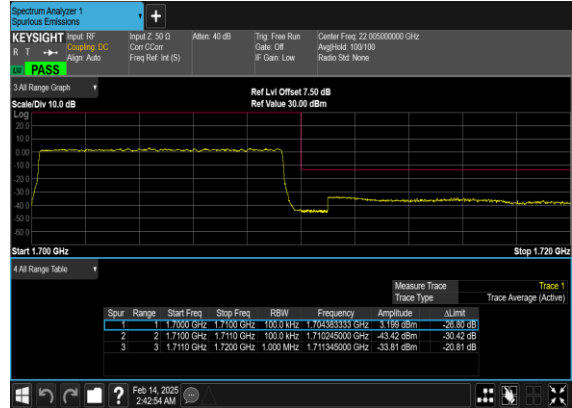
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

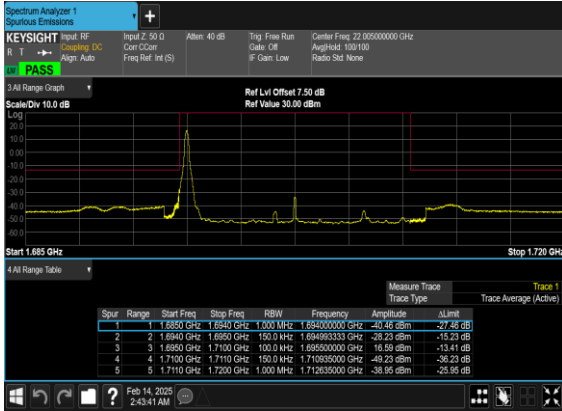


N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

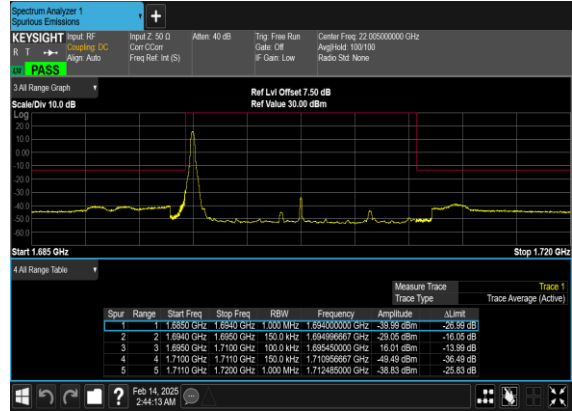




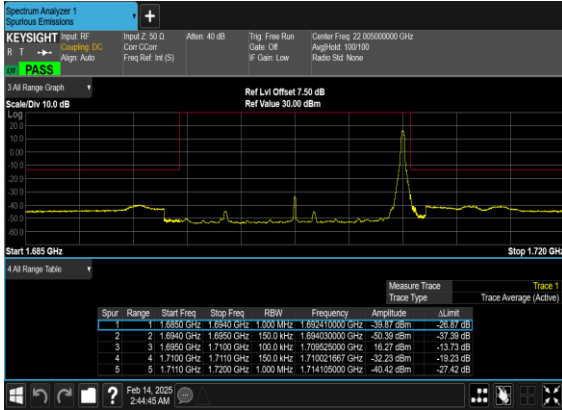
N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



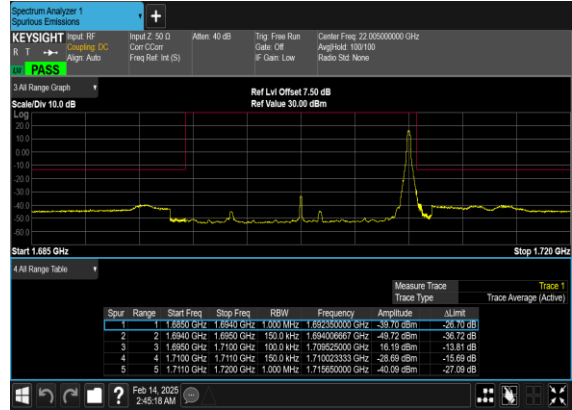
N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

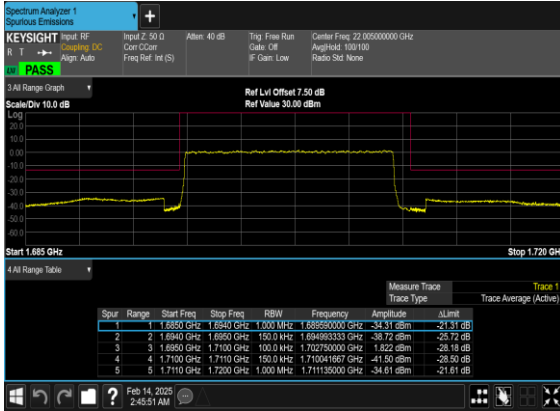


N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

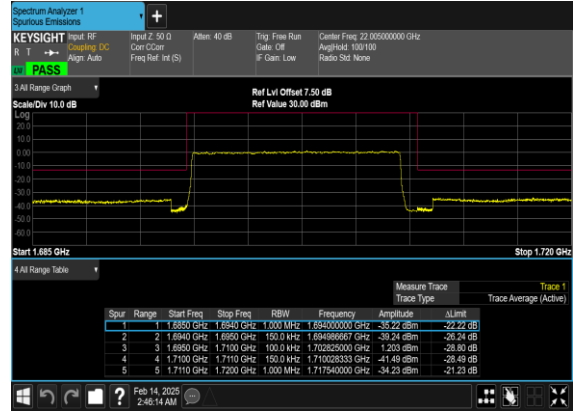




N70(15M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N70(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N70 MIMO-ANT0+ANT1

Transmitter Conducted Output Power And EIRP, (G_T - L_c)=-0.39dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT0 Power(dBm)	ANT1 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	12@6	22.37	22.47	25.43	25.04	0.3192
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@1	22.08	22.25	25.18	24.79	0.3013
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@23	22.05	22.07	25.07	24.68	0.2938
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	12@6	21.1	21.24	24.18	23.79	0.2393
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	1@1	20.9	21.14	24.03	23.64	0.2312
70	15	5	339500	1697.5	DFT-s-OFDM 16 QAM	1@23	20.75	21.18	23.98	23.59	0.2286
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	12@6	22.34	22.45	25.41	25.02	0.3177
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@1	22.08	22.09	25.10	24.71	0.2958
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@23	21.94	21.96	24.96	24.57	0.2864
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	12@6	21.12	21.26	24.20	23.81	0.2404
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	21.08	21.17	24.14	23.75	0.2371
70	15	5	340500	1702.5	DFT-s-OFDM 16 QAM	1@23	21.19	21.19	24.20	23.81	0.2404
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	12@6	22.34	22.44	25.40	25.01	0.3170
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@1	22.09	22.26	25.19	24.8	0.3020
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@23	22.05	22.05	25.06	24.67	0.2931
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	12@6	21.08	21.24	24.17	23.78	0.2388
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	1@1	21.06	21.21	24.15	23.76	0.2377
70	15	5	341500	1707.5	DFT-s-OFDM 16 QAM	1@23	21.1	21.14	24.13	23.74	0.2366
70	15	10	340000	1700	DFT-s-OFDM QPSK	25@12	22.27	22.39	25.34	24.95	0.3126
70	15	10	340000	1700	DFT-s-OFDM QPSK	1@1	22.05	22.11	25.09	24.7	0.2951
70	15	10	340000	1700	DFT-s-OFDM QPSK	1@50	21.79	21.83	24.82	24.43	0.2773
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	25@12	21.04	21.24	24.15	23.76	0.2377
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	1@1	20.82	20.81	23.83	23.44	0.2208
70	15	10	340000	1700	DFT-s-OFDM 16 QAM	1@50	20.78	21.12	23.96	23.57	0.2275
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	25@12	22.23	22.33	25.29	24.9	0.3090
70	15	10	340500	1702.5	DFT-s-OFDM	1@1	21.71	21.93	24.83	24.44	0.2780



					QPSK							
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@50	21.64	21.83	24.75	24.36	0.2729	
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	25@12	21.05	21.15	24.11	23.72	0.2355	
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	20.64	20.78	23.72	23.33	0.2153	
70	15	10	340500	1702.5	DFT-s-OFDM 16 QAM	1@50	20.73	20.89	23.82	23.43	0.2203	
70	15	10	341000	1705	DFT-s-OFDM QPSK	25@12	22.25	22.39	25.33	24.94	0.3119	
70	15	10	341000	1705	DFT-s-OFDM QPSK	1@1	21.8	22.11	24.97	24.58	0.2871	
70	15	10	341000	1705	DFT-s-OFDM QPSK	1@50	21.67	21.62	24.66	24.27	0.2673	
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	25@12	21.03	21.19	24.12	23.73	0.2360	
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	1@1	20.69	20.84	23.78	23.39	0.2183	
70	15	10	341000	1705	DFT-s-OFDM 16 QAM	1@50	20.79	20.77	23.79	23.4	0.2188	
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	36@18	22.58	22.67	25.64	25.25	0.3350	
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@1	22.21	22.37	25.30	24.91	0.3097	
70	15	15	340500	1702.5	DFT-s-OFDM PI/2 BPSK	1@77	22.27	22.31	25.30	24.91	0.3097	
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	36@18	22.2	22.34	25.28	24.89	0.3083	
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@1	22.12	22.2	25.17	24.78	0.3006	
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@77	22.2	22.21	25.22	24.83	0.3041	
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	36@18	21.13	21.3	24.23	23.84	0.2421	
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@1	21.22	21.37	24.31	23.92	0.2466	
70	15	15	340500	1702.5	DFT-s-OFDM 16 QAM	1@77	21.4	21.45	24.44	24.05	0.2541	
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	36@18	19.71	19.81	22.77	22.38	0.1730	
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@1	19.38	19.58	22.49	22.1	0.1622	
70	15	15	340500	1702.5	DFT-s-OFDM 64 QAM	1@77	19.51	19.59	22.56	22.17	0.1648	
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	36@18	17.74	17.88	20.82	20.43	0.1104	
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@1	17.53	17.82	20.69	20.3	0.1072	
70	15	15	340500	1702.5	DFT-s-OFDM 256 QAM	1@77	17.7	17.85	20.79	20.4	0.1096	
70	15	15	340500	1702.5	CP-OFDM QPSK	39@19	20.7	20.82	23.77	23.38	0.2178	
70	15	15	340500	1702.5	CP-OFDM QPSK	1@1	20.52	20.7	23.62	23.23	0.2104	
70	15	15	340500	1702.5	CP-OFDM QPSK	1@77	20.62	20.8	23.72	23.33	0.2153	



FR1 N70 MIMO-ANT0

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	6.3	PASS	NV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	4.1	PASS	LV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	10.3	PASS	HV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	15.6	PASS	-30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	8.8	PASS	-20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	2.5	PASS	-10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	14.2	PASS	0°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	16.5	PASS	10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	6.3	PASS	20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	8.2	PASS	30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	12.1	PASS	40°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	12.4	PASS	50°C

|MAX(Δf)| = 16.5 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	1695.397084	≥ 1695 MHz	PASS
$f_H + MAX(\Delta f) $	1708.853617	≤ 1710 MHz	



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	4.25	13	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.36	13	PASS

N70(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



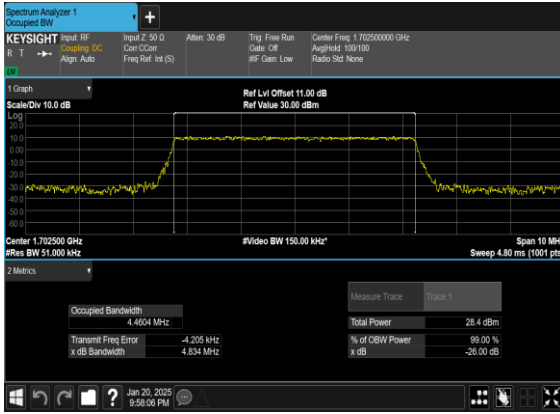


Occupied Bandwidth

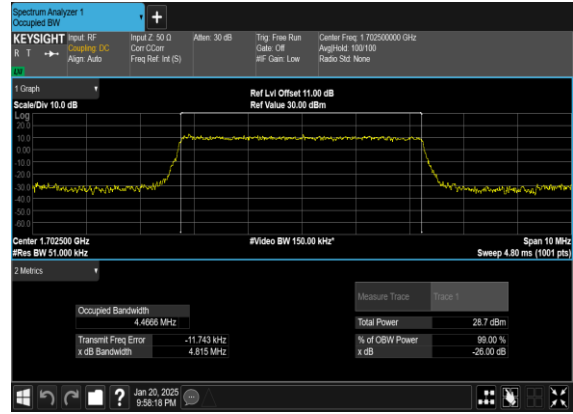
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
70	15	5	340500	1702.5	CP-OFDM QPSK	25@0	4.4604	4.834
70	15	5	340500	1702.5	CP-OFDM 16 QAM	25@0	4.4666	4.815
70	15	5	340500	1702.5	CP-OFDM 64 QAM	25@0	4.4635	4.827
70	15	5	340500	1702.5	CP-OFDM 256 QAM	25@0	4.4674	4.816
70	15	10	340500	1702.5	CP-OFDM QPSK	52@0	9.2683	9.709
70	15	10	340500	1702.5	CP-OFDM 16 QAM	52@0	9.2595	9.737
70	15	10	340500	1702.5	CP-OFDM 64 QAM	52@0	9.2844	9.692
70	15	10	340500	1702.5	CP-OFDM 256 QAM	52@0	9.2554	9.731
70	15	15	340500	1702.5	CP-OFDM QPSK	79@0	14.093	14.64
70	15	15	340500	1702.5	CP-OFDM 16 QAM	79@0	14.097	14.74
70	15	15	340500	1702.5	CP-OFDM 64 QAM	79@0	14.14	14.68
70	15	15	340500	1702.5	CP-OFDM 256 QAM	79@0	14.107	14.73



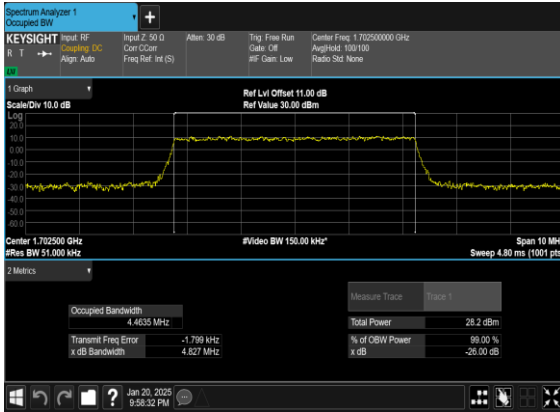
N70(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



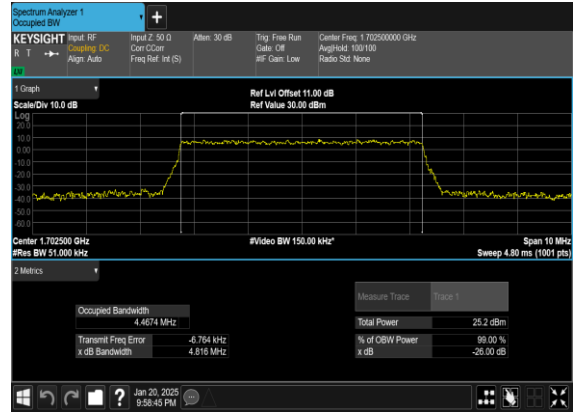
N70(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

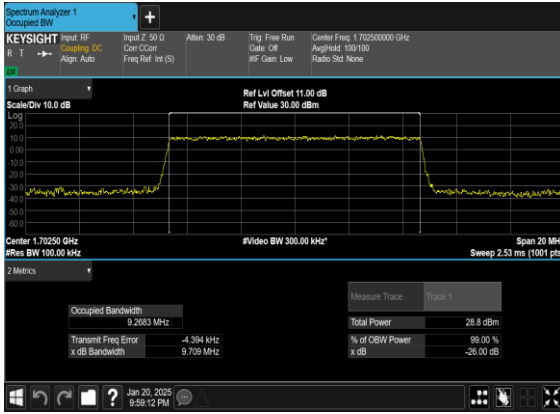


N70(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

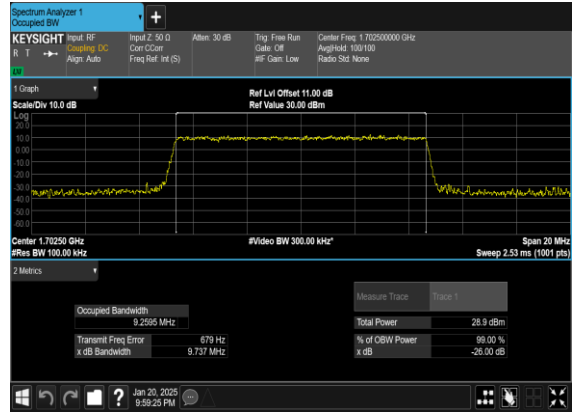




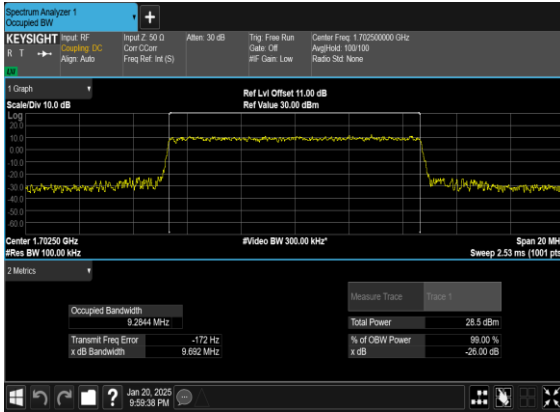
N70(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



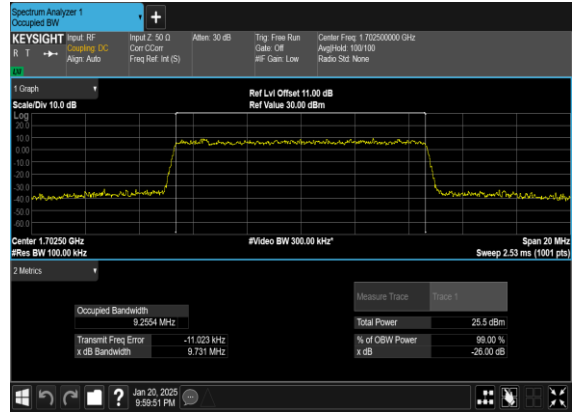
N70(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

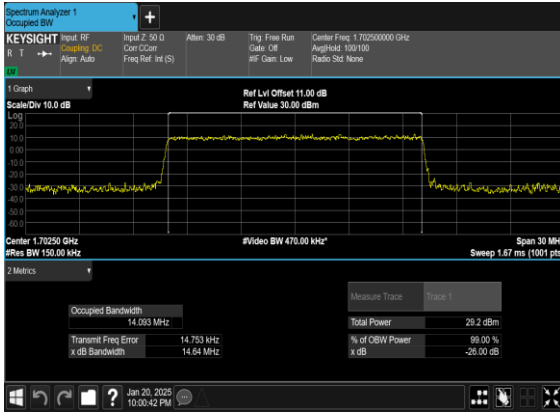


N70(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

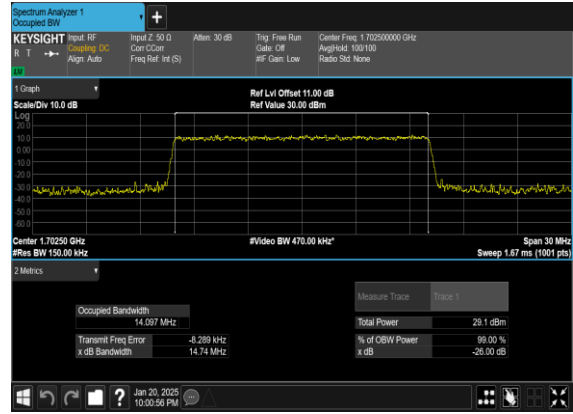




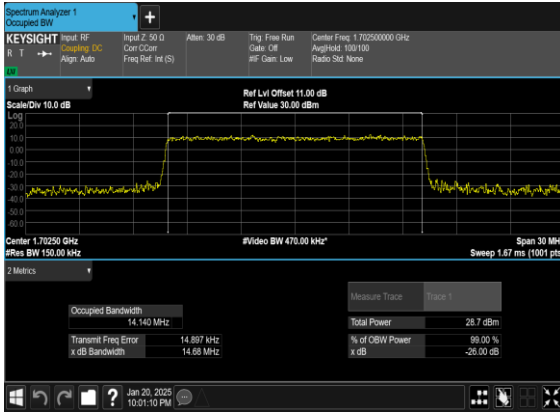
N70(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



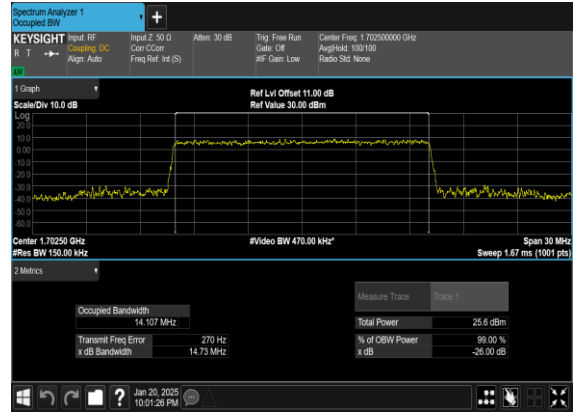
N70(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

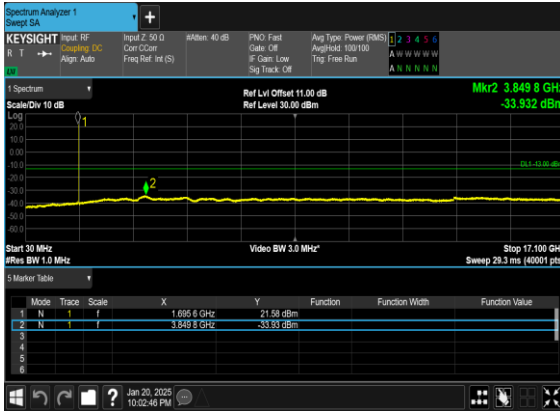
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---



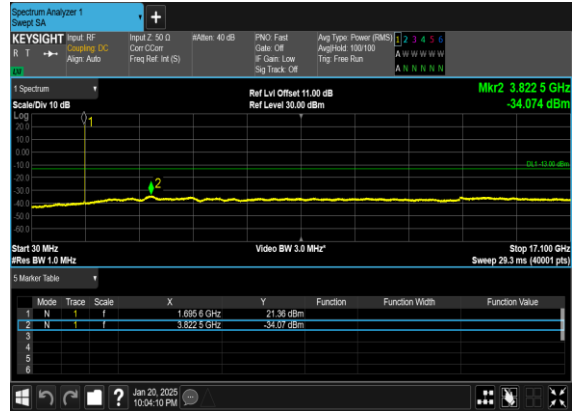
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



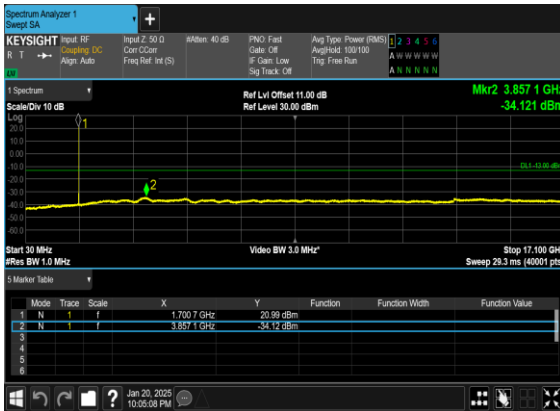
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



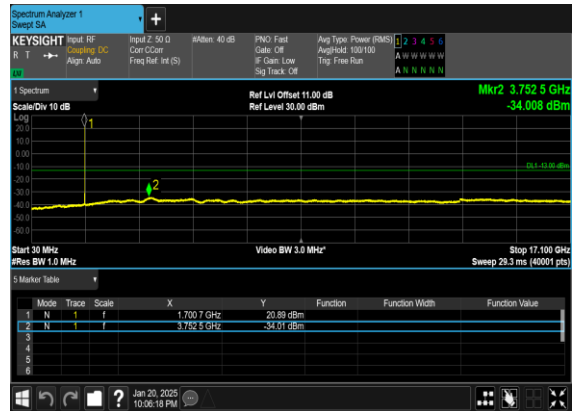
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

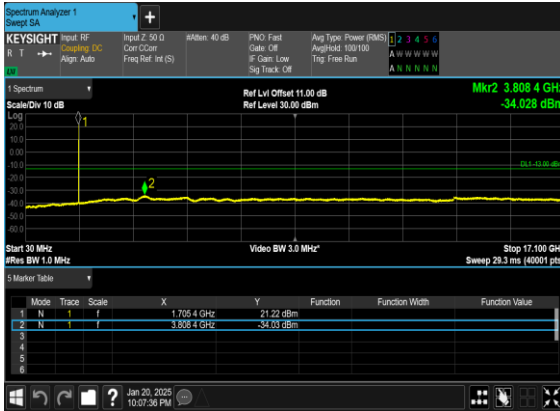


N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

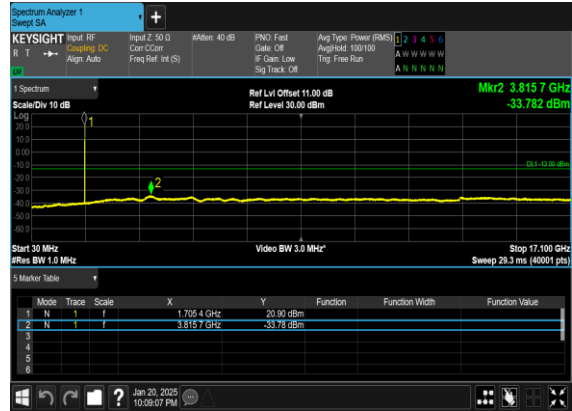




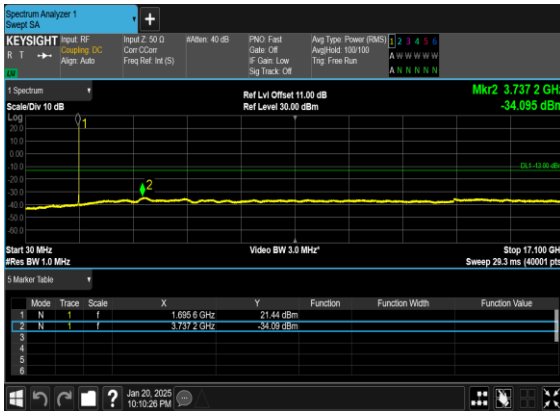
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



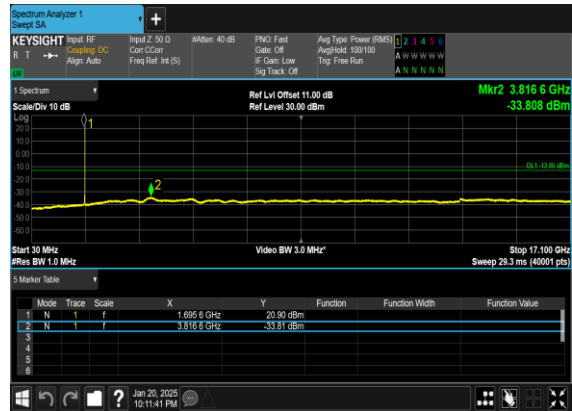
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

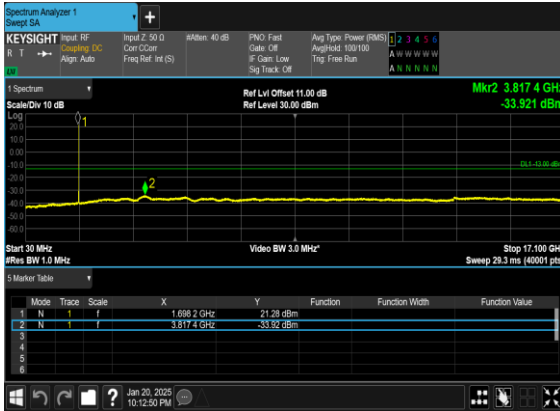


N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

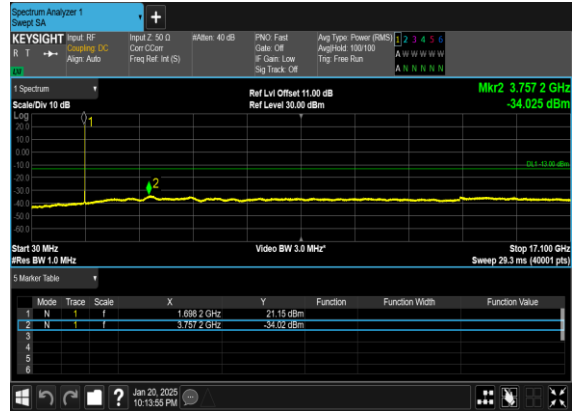




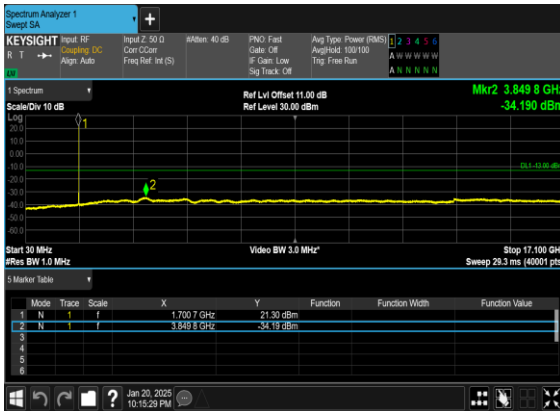
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



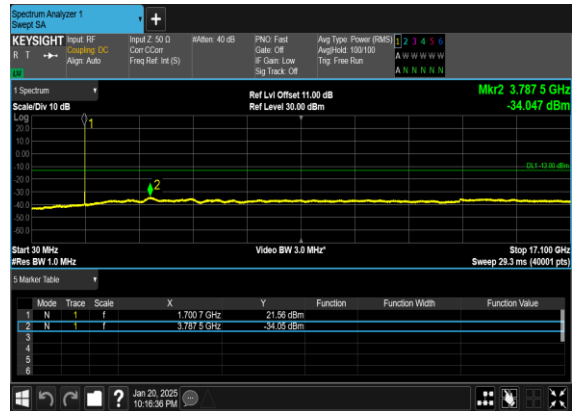
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

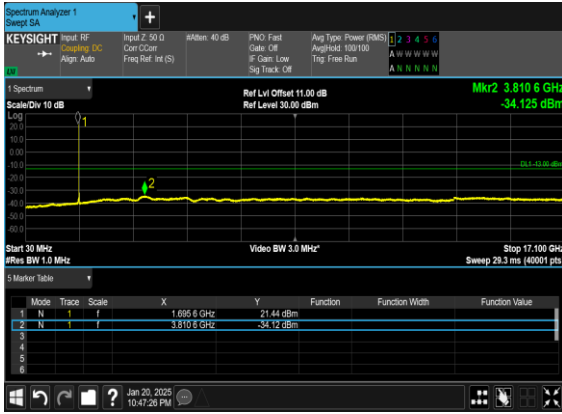


N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

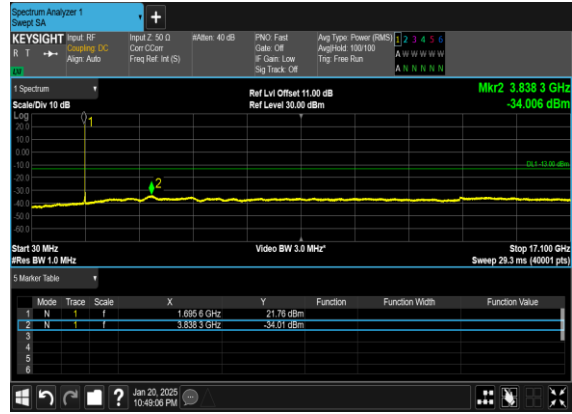




N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



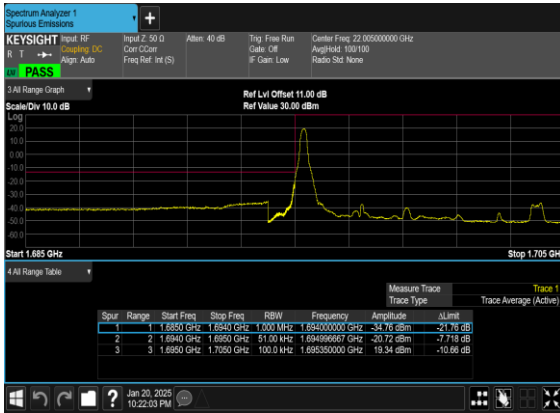


Conducted Band Edge

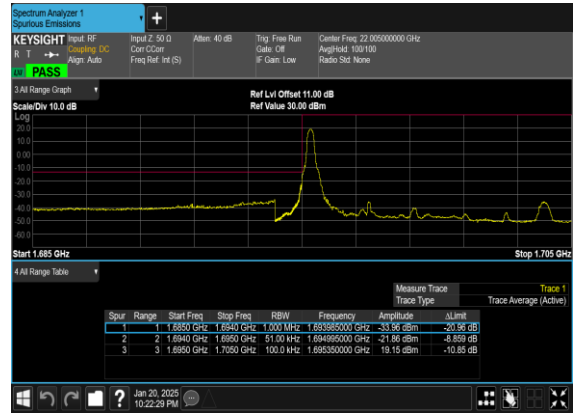
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@78	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@78	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	75@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	75@0	see graph	PASS



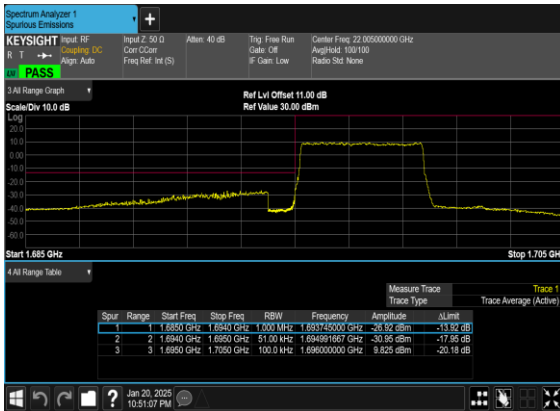
N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



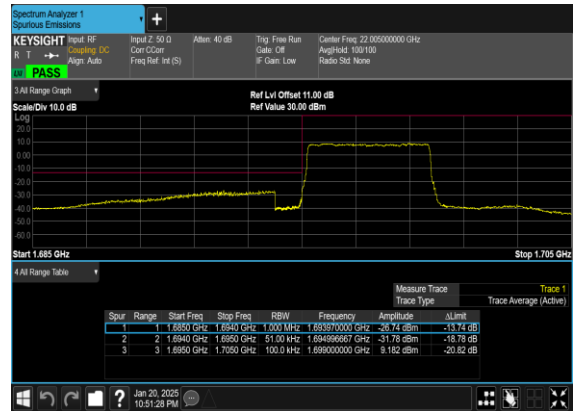
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N70(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



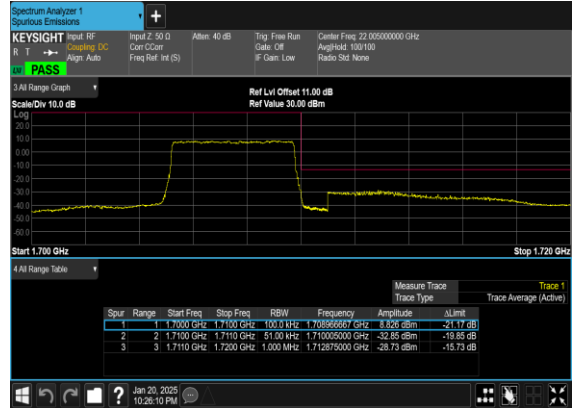
N70(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N70(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

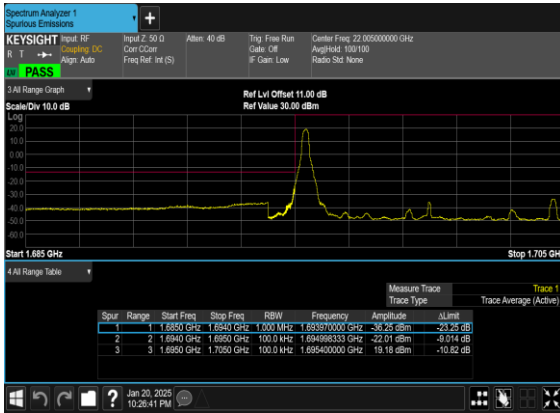


N70(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

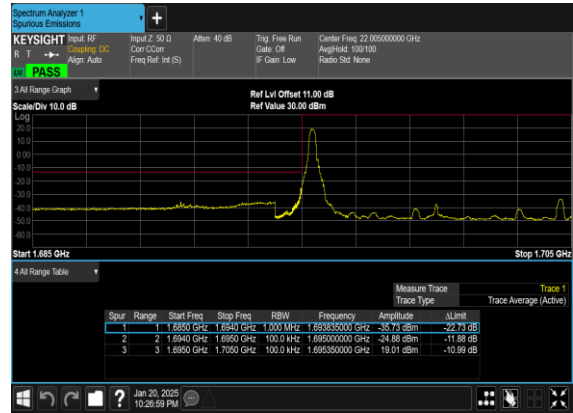




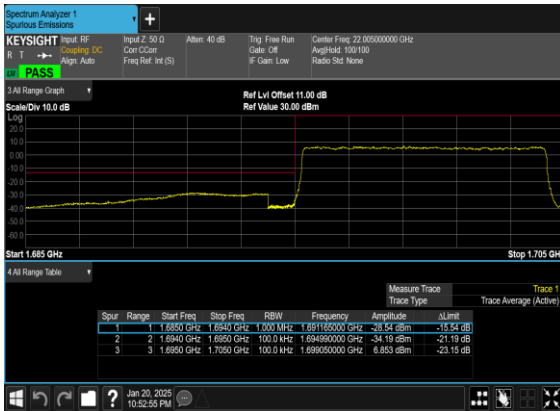
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



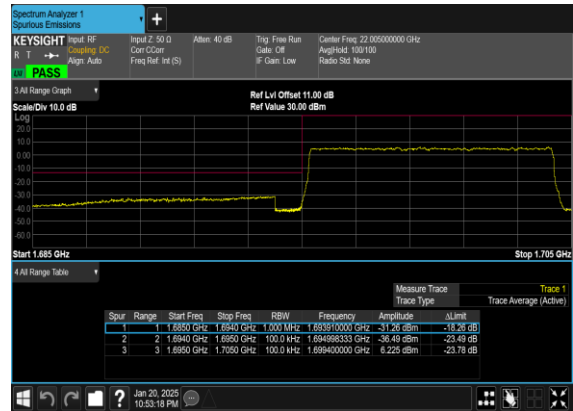
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





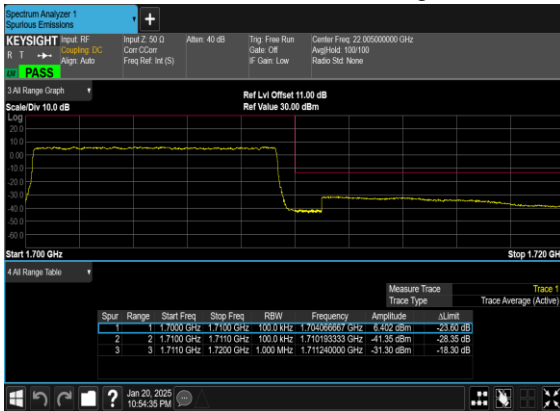
N70(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



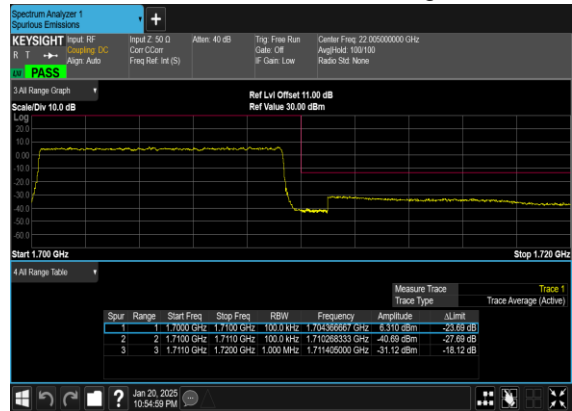
N70(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N70(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

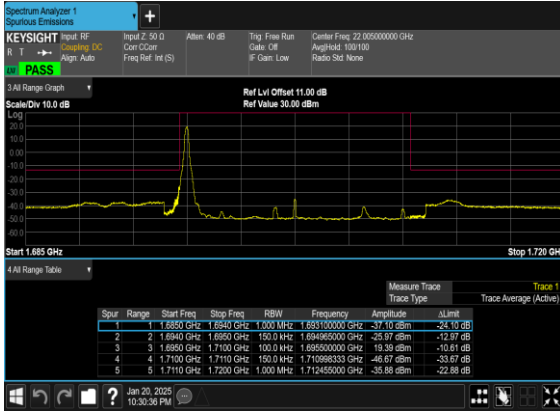


N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

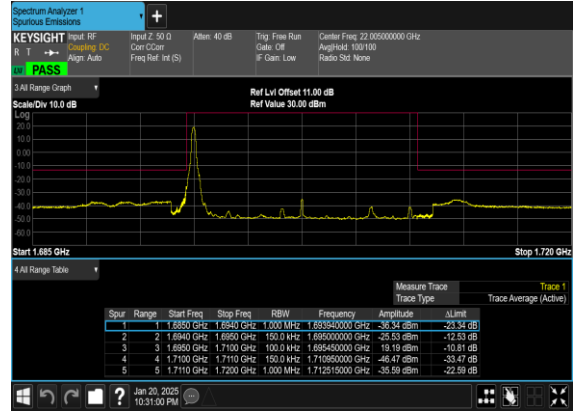




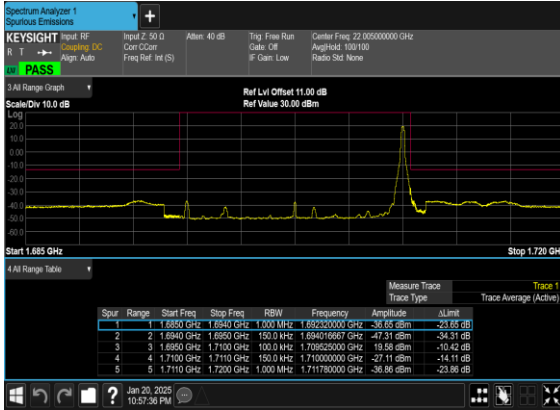
N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



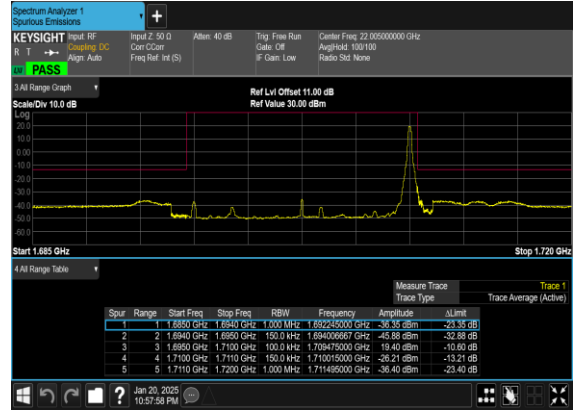
N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N70(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH

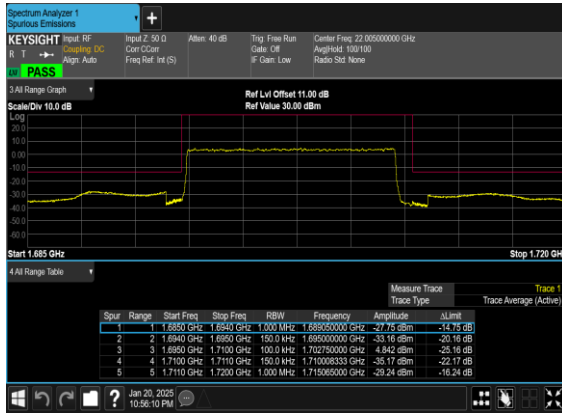


N70(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH

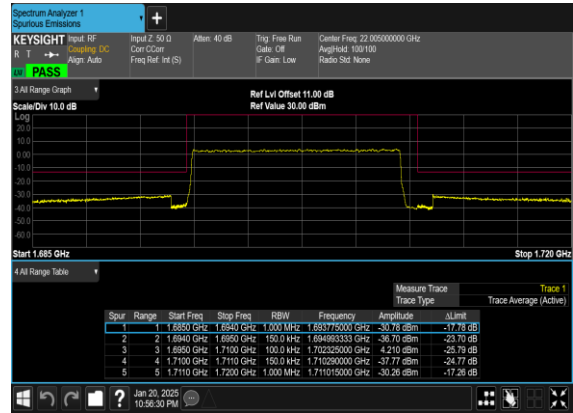




N70(15M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N70(15M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





FR1 N70 MIMO-ANT1

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	7.6	PASS	NV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.9	PASS	LV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	6.8	PASS	HV
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	9.5	PASS	-30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	11.9	PASS	-20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	10.5	PASS	-10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	10.3	PASS	0°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	13.6	PASS	10°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	7.6	PASS	20°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	9.2	PASS	30°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	2.6	PASS	40°C
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.5	PASS	50°C

|MAX(Δf)| = 13.6 Hz

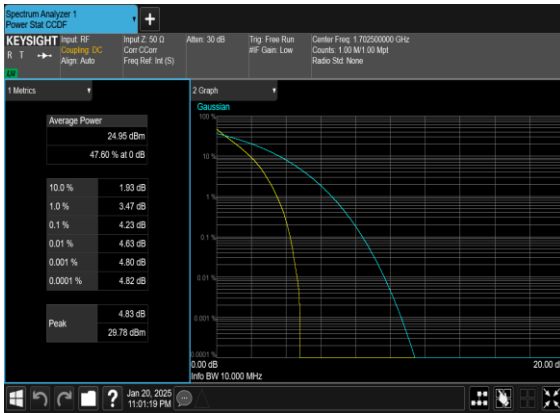
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1695.397086	$\geq 1695 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1708.853614	$\leq 1710 \text{ MHz}$	



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
70	15	10	340500	1702.5	DFT-s-OFDM PI/2 BPSK	50@0	4.23	13	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	50@0	5.39	13	PASS

N70(10M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N70(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



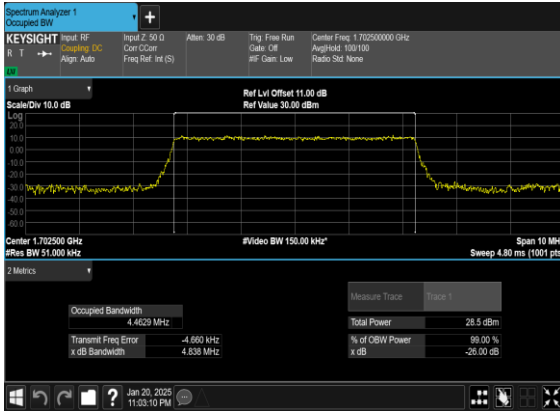


Occupied Bandwidth

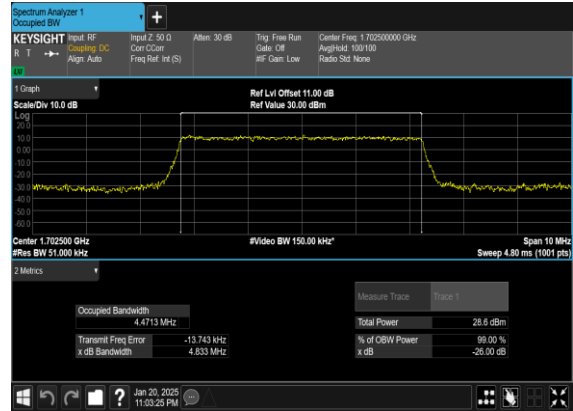
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
70	15	5	340500	1702.5	CP-OFDM QPSK	25@0	4.4629	4.838
70	15	5	340500	1702.5	CP-OFDM 16 QAM	25@0	4.4713	4.833
70	15	5	340500	1702.5	CP-OFDM 64 QAM	25@0	4.4675	4.792
70	15	5	340500	1702.5	CP-OFDM 256 QAM	25@0	4.4665	4.805
70	15	10	340500	1702.5	CP-OFDM QPSK	52@0	9.2483	9.688
70	15	10	340500	1702.5	CP-OFDM 16 QAM	52@0	9.274	9.716
70	15	10	340500	1702.5	CP-OFDM 64 QAM	52@0	9.2834	9.694
70	15	10	340500	1702.5	CP-OFDM 256 QAM	52@0	9.2638	9.749
70	15	15	340500	1702.5	CP-OFDM QPSK	79@0	14.074	14.66
70	15	15	340500	1702.5	CP-OFDM 16 QAM	79@0	14.071	14.71
70	15	15	340500	1702.5	CP-OFDM 64 QAM	79@0	14.115	14.66
70	15	15	340500	1702.5	CP-OFDM 256 QAM	79@0	14.074	14.66



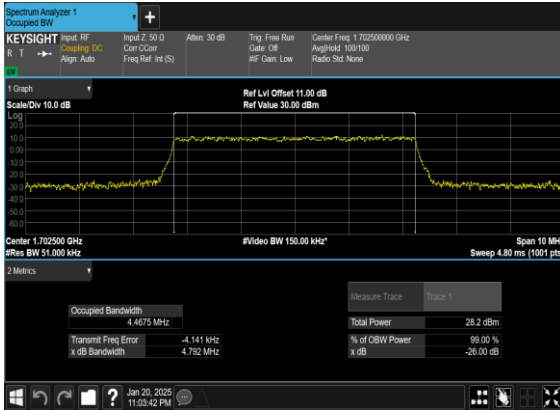
N70(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



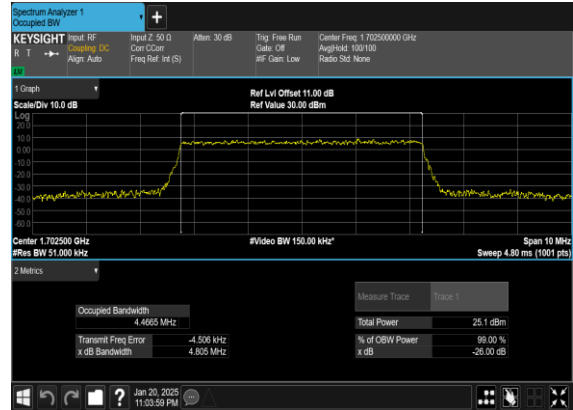
N70(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

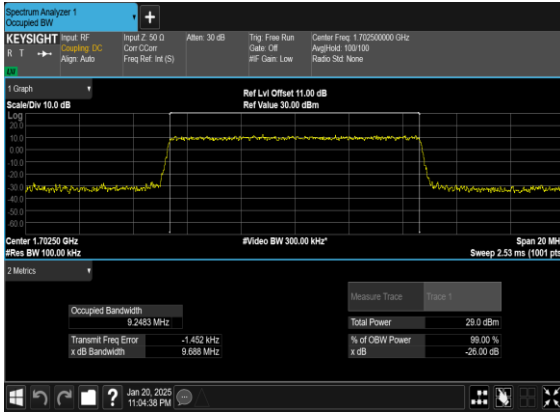


N70(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

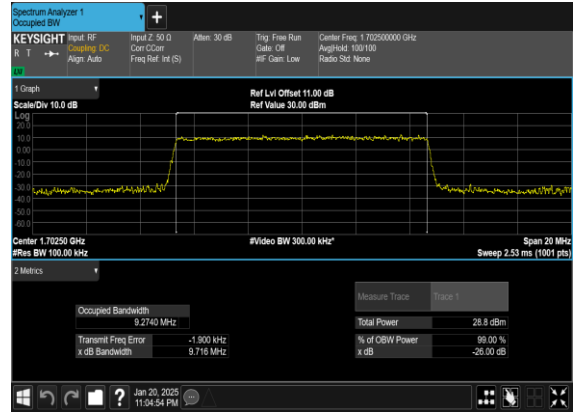




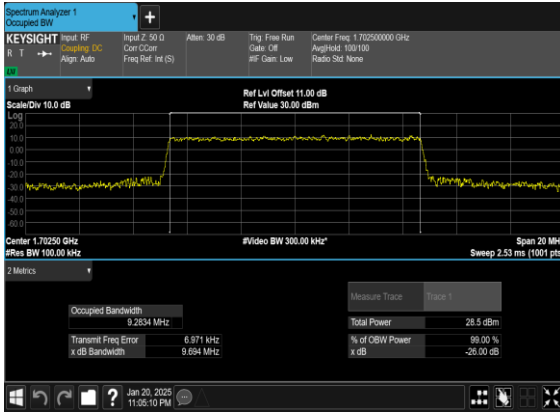
N70(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



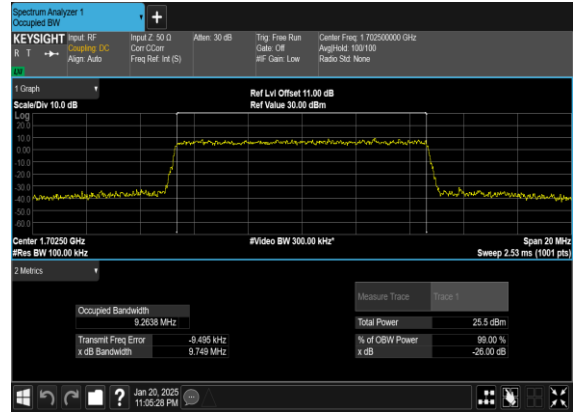
N70(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

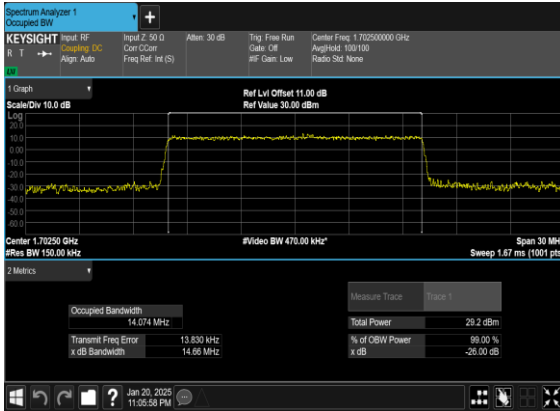


N70(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

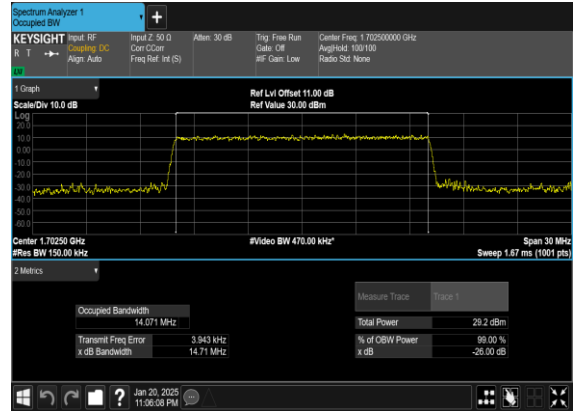




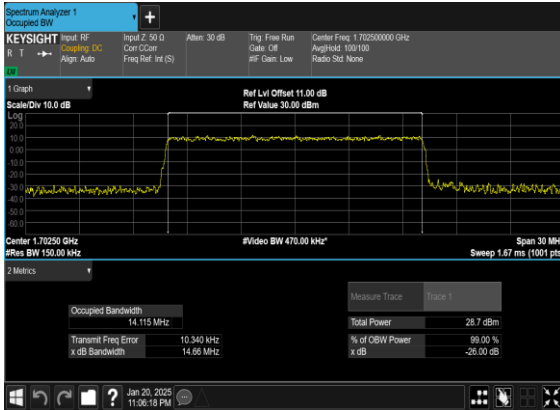
N70(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



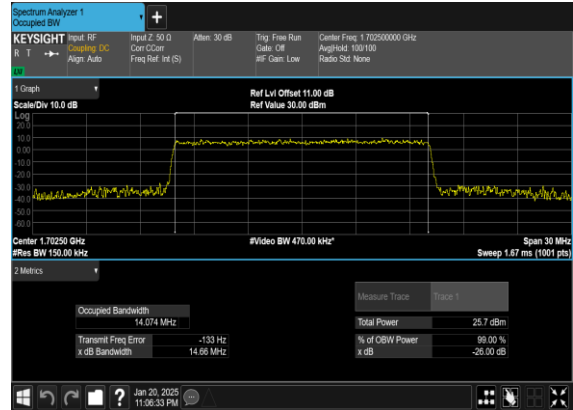
N70(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N70(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	339500	1697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	5	341500	1707.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340000	1700.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	10	341000	1705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	---
70	15	15	340500	1702.5	DFT-s-OFDM QPSK	1@0	see graph	PASS