



N13(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N13(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





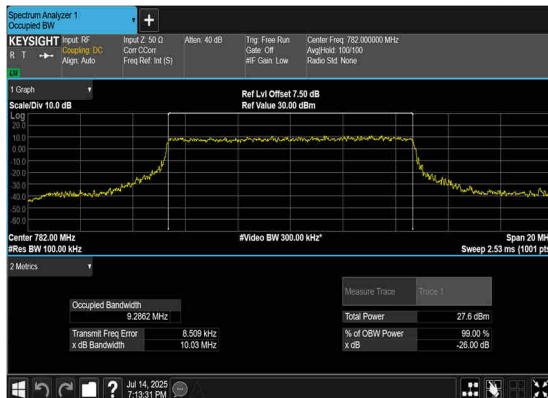
N13(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N13(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
13	15	5	149700	779.5	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	149700	779.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	5	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	5	150700	784.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	---
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	---
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



Ver 1.0 (20241208) 2025-07-29 16:53:17

Design Point: 20000 Section: RM-10 Source: RAYTRAC

dBm

Distance (m)

0.00 200.00

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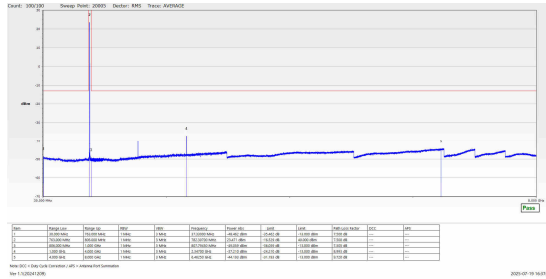
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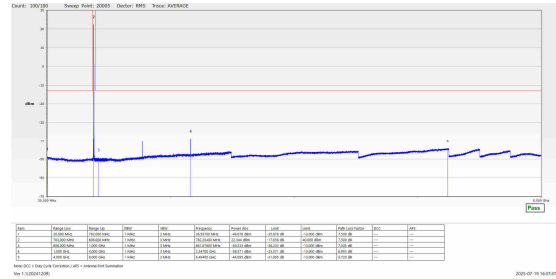
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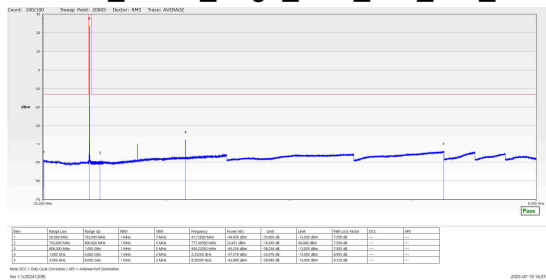
N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



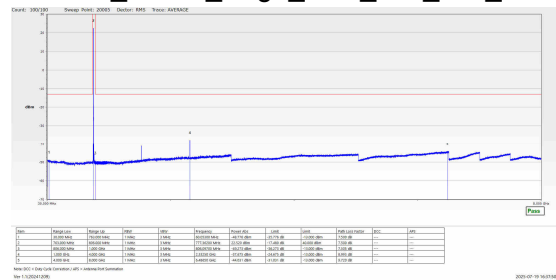
N13(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N13(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N13(10M)_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
13	15	5	149700	779.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	5	149700	779.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	5	149700	779.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
13	15	5	149700	779.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
13	15	5	150700	784.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
13	15	10	150200	782.0	DFT-s-OFDM QPSK	50@0	see graph	PASS



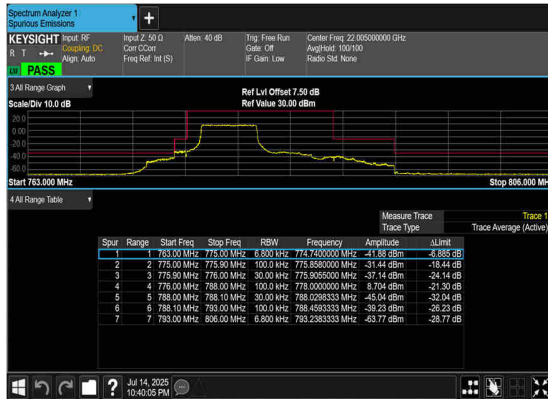
N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



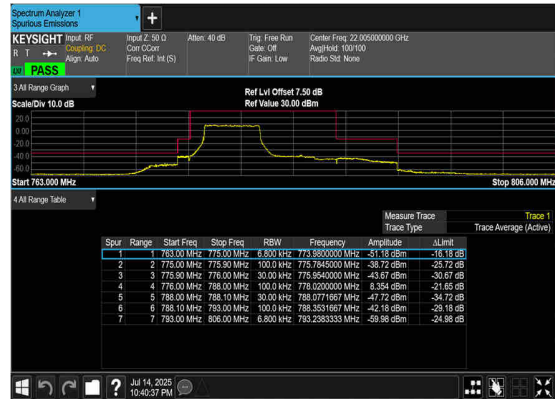
N13(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N13(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

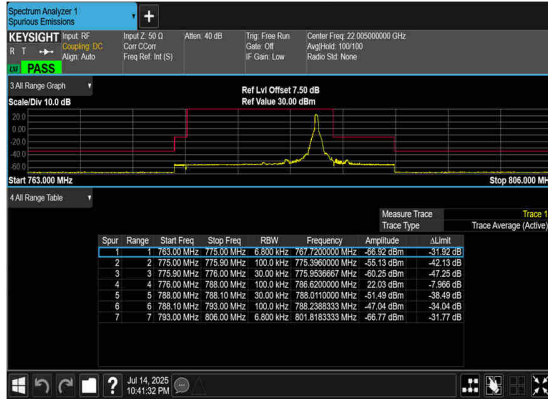


N13(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH





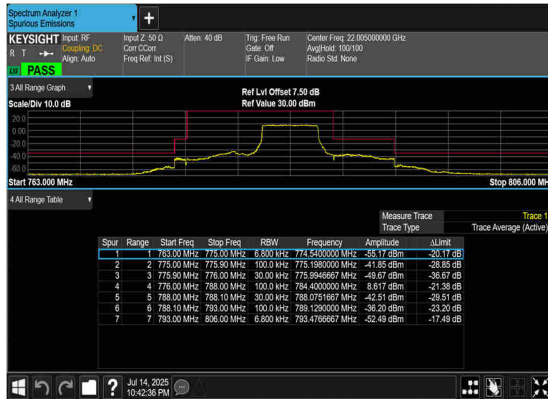
N13(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



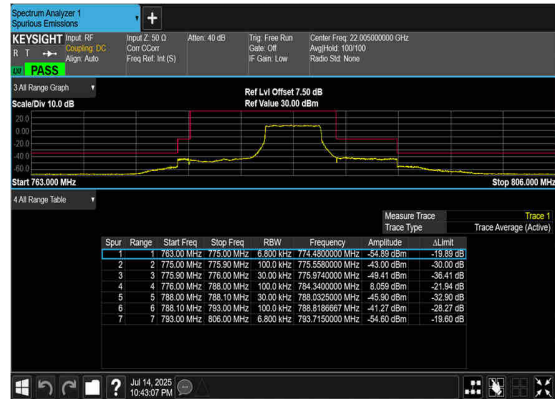
N13(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N13(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N13(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





N13(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



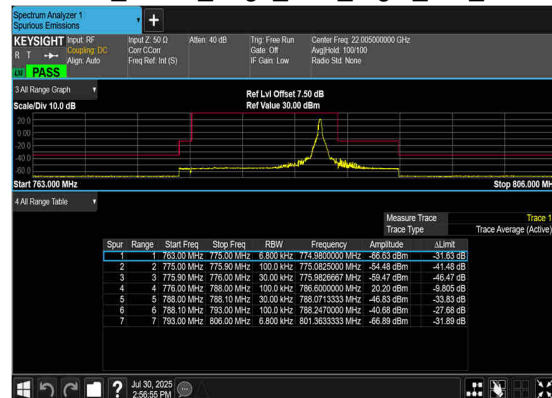
N13(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N13(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_Mid_CH



N13(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_Mid_CH

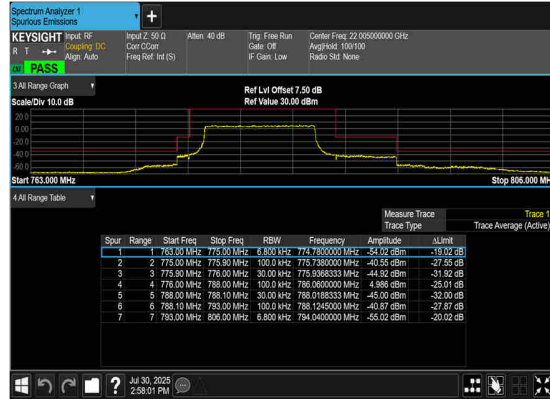




N13(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Mid_CH



N13(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH





Software Version: 23.06.1602

FR1 N66 Other PA (ANT0)**Transmitter Conducted Output Power And ERP, (G_T - L_c)=1.5dB**

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	12@6	23.62	25.12	0.3251
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@1	23.42	24.92	0.3105
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@23	23.57	25.07	0.3214
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	12@6	22.77	24.27	0.2673
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@1	22.84	24.34	0.2716
66	15	5	342500	1712.5	DFT-s-OFDM 16 QAM	1@23	22.87	24.37	0.2735
66	15	5	349000	1745	DFT-s-OFDM QPSK	12@6	24.36	25.86	0.3855
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@1	24.14	25.64	0.3664
66	15	5	349000	1745	DFT-s-OFDM QPSK	1@23	24.14	25.64	0.3664
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	12@6	23.28	24.78	0.3006
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.46	24.96	0.3133
66	15	5	349000	1745	DFT-s-OFDM 16 QAM	1@23	23.36	24.86	0.3062
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	12@6	23.93	25.43	0.3491
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@1	24.03	25.53	0.3573
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@23	23.5	25	0.3162
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	12@6	23	24.5	0.2818
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@1	23.33	24.83	0.3041
66	15	5	355500	1777.5	DFT-s-OFDM 16 QAM	1@23	22.87	24.37	0.2735
66	15	10	343000	1715	DFT-s-OFDM QPSK	25@12	23.66	25.16	0.3281
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.31	24.81	0.3027
66	15	10	343000	1715	DFT-s-OFDM QPSK	1@50	23.49	24.99	0.3155
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	25@12	22.75	24.25	0.2661
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.83	24.33	0.2710
66	15	10	343000	1715	DFT-s-OFDM 16 QAM	1@50	22.88	24.38	0.2742
66	15	10	349000	1745	DFT-s-OFDM QPSK	25@12	24.34	25.84	0.3837
66	15	10	349000	1745	DFT-s-OFDM QPSK	1@1	24.23	25.73	0.3741



66	15	10	349000	1745	DFT-s-OFDM QPSK	1@50	24.22	25.72	0.3733
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	25@12	23.37	24.87	0.3069
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.3	24.8	0.3020
66	15	10	349000	1745	DFT-s-OFDM 16 QAM	1@50	23.43	24.93	0.3112
66	15	10	355000	1775	DFT-s-OFDM QPSK	25@12	24.1	25.6	0.3631
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@1	24.14	25.64	0.3664
66	15	10	355000	1775	DFT-s-OFDM QPSK	1@50	23.31	24.81	0.3027
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	25@12	23.13	24.63	0.2904
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	23.19	24.69	0.2944
66	15	10	355000	1775	DFT-s-OFDM 16 QAM	1@50	22.78	24.28	0.2679
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	36@18	23.79	25.29	0.3381
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.48	24.98	0.3148
66	15	15	343500	1717.5	DFT-s-OFDM QPSK	1@77	23.92	25.42	0.3483
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	36@18	23	24.5	0.2818
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.86	24.36	0.2729
66	15	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@77	23.31	24.81	0.3027
66	15	15	349000	1745	DFT-s-OFDM QPSK	36@18	24.34	25.84	0.3837
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@1	24.18	25.68	0.3698
66	15	15	349000	1745	DFT-s-OFDM QPSK	1@77	24.33	25.83	0.3828
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	36@18	23.41	24.91	0.3097
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.52	25.02	0.3177
66	15	15	349000	1745	DFT-s-OFDM 16 QAM	1@77	23.5	25	0.3162
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	36@18	24.28	25.78	0.3784
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	24.13	25.63	0.3656
66	15	15	354500	1772.5	DFT-s-OFDM QPSK	1@77	23.87	25.37	0.3443
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	36@18	23.23	24.73	0.2972
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	23.46	24.96	0.3133
66	15	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@77	23.08	24.58	0.2871
66	15	20	344000	1720	DFT-s-OFDM QPSK	50@25	23.96	25.46	0.3516
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.57	25.07	0.3214
66	15	20	344000	1720	DFT-s-OFDM QPSK	1@104	24.05	25.55	0.3589



66	15	20	344000	1720	DFT-s-OFDM 16 QAM	50@25	23	24.5	0.2818
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.89	24.39	0.2748
66	15	20	344000	1720	DFT-s-OFDM 16 QAM	1@104	23.37	24.87	0.3069
66	15	20	349000	1745	DFT-s-OFDM QPSK	50@25	24.42	25.92	0.3908
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@1	24.21	25.71	0.3724
66	15	20	349000	1745	DFT-s-OFDM QPSK	1@104	24.18	25.68	0.3698
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	50@25	23.45	24.95	0.3126
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.51	25.01	0.3170
66	15	20	349000	1745	DFT-s-OFDM 16 QAM	1@104	23.56	25.06	0.3206
66	15	20	354000	1770	DFT-s-OFDM QPSK	50@25	24.31	25.81	0.3811
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@1	24.24	25.74	0.3750
66	15	20	354000	1770	DFT-s-OFDM QPSK	1@104	23.84	25.34	0.3420
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	50@25	23.24	24.74	0.2979
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	23.53	25.03	0.3184
66	15	20	354000	1770	DFT-s-OFDM 16 QAM	1@104	23.26	24.76	0.2992
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	64@32	23.93	25.43	0.3491
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@1	23.66	25.16	0.3281
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@131	24.11	25.61	0.3639
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	64@32	23.2	24.7	0.2951
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@1	23.11	24.61	0.2891
66	15	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@131	23.29	24.79	0.3013
66	15	25	349000	1745	DFT-s-OFDM QPSK	64@32	24.32	25.82	0.3819
66	15	25	349000	1745	DFT-s-OFDM QPSK	1@1	24.26	25.76	0.3767
66	15	25	349000	1745	DFT-s-OFDM QPSK	1@131	24.19	25.69	0.3707
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	64@32	23.26	24.76	0.2992
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.35	24.85	0.3055
66	15	25	349000	1745	DFT-s-OFDM 16 QAM	1@131	23.23	24.73	0.2972
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	64@32	24.12	25.62	0.3648
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@1	24.18	25.68	0.3698
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@131	24	25.5	0.3548
66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	64@32	23.17	24.67	0.2931



66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@1	23.41	24.91	0.3097
66	15	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@131	23.3	24.8	0.3020
66	15	30	345000	1725	DFT-s-OFDM QPSK	80@40	24.16	25.66	0.3681
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@1	24.07	25.57	0.3606
66	15	30	345000	1725	DFT-s-OFDM QPSK	1@158	24.14	25.64	0.3664
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	80@40	23.17	24.67	0.2931
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	23.44	24.94	0.3119
66	15	30	345000	1725	DFT-s-OFDM 16 QAM	1@158	23.31	24.81	0.3027
66	15	30	349000	1745	DFT-s-OFDM QPSK	80@40	24.28	25.78	0.3784
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@1	24.22	25.72	0.3733
66	15	30	349000	1745	DFT-s-OFDM QPSK	1@158	24.1	25.6	0.3631
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	80@40	23.17	24.67	0.2931
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	23.38	24.88	0.3076
66	15	30	349000	1745	DFT-s-OFDM 16 QAM	1@158	23.29	24.79	0.3013
66	15	30	353000	1765	DFT-s-OFDM QPSK	80@40	24.14	25.64	0.3664
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@1	24.15	25.65	0.3673
66	15	30	353000	1765	DFT-s-OFDM QPSK	1@158	24.13	25.63	0.3656
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	80@40	23.16	24.66	0.2924
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	23.43	24.93	0.3112
66	15	30	353000	1765	DFT-s-OFDM 16 QAM	1@158	23.3	24.8	0.3020
66	15	35	345500	1727.5	DFT-s-OFDM QPSK	90@45	22.93	24.43	0.2773
66	15	35	345500	1727.5	DFT-s-OFDM QPSK	1@1	22.82	24.32	0.2704
66	15	35	345500	1727.5	DFT-s-OFDM QPSK	1@186	24.03	25.53	0.3573
66	15	35	345500	1727.5	DFT-s-OFDM 16 QAM	90@45	21.96	23.46	0.2218
66	15	35	345500	1727.5	DFT-s-OFDM 16 QAM	1@1	22.1	23.6	0.2291
66	15	35	345500	1727.5	DFT-s-OFDM 16 QAM	1@186	23.31	24.81	0.3027
66	15	35	349000	1745	DFT-s-OFDM QPSK	90@45	24.24	25.74	0.3750
66	15	35	349000	1745	DFT-s-OFDM QPSK	1@1	22.52	24.02	0.2523
66	15	35	349000	1745	DFT-s-OFDM QPSK	1@186	23.18	24.68	0.2938
66	15	35	349000	1745	DFT-s-OFDM 16 QAM	90@45	23.16	24.66	0.2924
66	15	35	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.84	23.34	0.2158



66	15	35	349000	1745	DFT-s-OFDM 16 QAM	1@186	22.48	23.98	0.2500
66	15	35	352500	1762.5	DFT-s-OFDM QPSK	90@45	23.6	25.1	0.3236
66	15	35	352500	1762.5	DFT-s-OFDM QPSK	1@1	24.04	25.54	0.3581
66	15	35	352500	1762.5	DFT-s-OFDM QPSK	1@186	22.4	23.9	0.2455
66	15	35	352500	1762.5	DFT-s-OFDM 16 QAM	90@45	22.6	24.1	0.2570
66	15	35	352500	1762.5	DFT-s-OFDM 16 QAM	1@1	23.29	24.79	0.3013
66	15	35	352500	1762.5	DFT-s-OFDM 16 QAM	1@186	21.69	23.19	0.2084
66	15	40	346000	1730	DFT-s-OFDM QPSK	108@54	23.08	24.58	0.2871
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@1	22.77	24.27	0.2673
66	15	40	346000	1730	DFT-s-OFDM QPSK	1@214	24.13	25.63	0.3656
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	108@54	22.11	23.61	0.2296
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.03	23.53	0.2254
66	15	40	346000	1730	DFT-s-OFDM 16 QAM	1@214	23.22	24.72	0.2965
66	15	40	349000	1745	DFT-s-OFDM QPSK	108@54	24.21	25.71	0.3724
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@1	22.49	23.99	0.2506
66	15	40	349000	1745	DFT-s-OFDM QPSK	1@214	22.98	24.48	0.2805
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	108@54	23.25	24.75	0.2985
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	21.74	23.24	0.2109
66	15	40	349000	1745	DFT-s-OFDM 16 QAM	1@214	22.3	23.8	0.2399
66	15	40	352000	1760	DFT-s-OFDM QPSK	108@54	23.7	25.2	0.3311
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.96	25.46	0.3516
66	15	40	352000	1760	DFT-s-OFDM QPSK	1@214	22.36	23.86	0.2432
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	108@54	22.74	24.24	0.2655
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	23.32	24.82	0.3034
66	15	40	352000	1760	DFT-s-OFDM 16 QAM	1@214	21.65	23.15	0.2065
66	15	45	346500	1732.5	DFT-s-OFDM PI/2 BPSK	120@60	23.09	24.59	0.2877
66	15	45	346500	1732.5	DFT-s-OFDM PI/2 BPSK	1@1	23.08	24.58	0.2871
66	15	45	346500	1732.5	DFT-s-OFDM PI/2 BPSK	1@240	23.2	24.7	0.2951
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	120@60	23.89	25.39	0.3459
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@1	23.47	24.97	0.3141
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@240	24.35	25.85	0.3846



66	15	45	346500	1732.5	DFT-s-OFDM 16 QAM	120@60	22.98	24.48	0.2805
66	15	45	346500	1732.5	DFT-s-OFDM 16 QAM	1@1	22.76	24.26	0.2667
66	15	45	346500	1732.5	DFT-s-OFDM 16 QAM	1@240	23.66	25.16	0.3281
66	15	45	346500	1732.5	DFT-s-OFDM 64 QAM	120@60	21.53	23.03	0.2009
66	15	45	346500	1732.5	DFT-s-OFDM 64 QAM	1@1	21.27	22.77	0.1892
66	15	45	346500	1732.5	DFT-s-OFDM 64 QAM	1@240	22.1	23.6	0.2291
66	15	45	346500	1732.5	DFT-s-OFDM 256 QAM	120@60	20.04	21.54	0.1426
66	15	45	346500	1732.5	DFT-s-OFDM 256 QAM	1@1	19.53	21.03	0.1268
66	15	45	346500	1732.5	DFT-s-OFDM 256 QAM	1@240	19.73	21.23	0.1327
66	15	45	346500	1732.5	CP-OFDM QPSK	121@60	22.38	23.88	0.2443
66	15	45	346500	1732.5	CP-OFDM QPSK	1@1	22.08	23.58	0.2280
66	15	45	346500	1732.5	CP-OFDM QPSK	1@240	23.11	24.61	0.2891
66	15	45	349000	1745	DFT-s-OFDM PI/2 BPSK	120@60	23.14	24.64	0.2911
66	15	45	349000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.05	24.55	0.2851
66	15	45	349000	1745	DFT-s-OFDM PI/2 BPSK	1@240	23.17	24.67	0.2931
66	15	45	349000	1745	DFT-s-OFDM QPSK	120@60	24.45	25.95	0.3936
66	15	45	349000	1745	DFT-s-OFDM QPSK	1@1	23.19	24.69	0.2944
66	15	45	349000	1745	DFT-s-OFDM QPSK	1@240	23.56	25.06	0.3206
66	15	45	349000	1745	DFT-s-OFDM 16 QAM	120@60	23.62	25.12	0.3251
66	15	45	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.58	24.08	0.2559
66	15	45	349000	1745	DFT-s-OFDM 16 QAM	1@240	22.96	24.46	0.2793
66	15	45	349000	1745	DFT-s-OFDM 64 QAM	120@60	21.92	23.42	0.2198
66	15	45	349000	1745	DFT-s-OFDM 64 QAM	1@1	21.15	22.65	0.1841
66	15	45	349000	1745	DFT-s-OFDM 64 QAM	1@240	21.49	22.99	0.1991
66	15	45	349000	1745	DFT-s-OFDM 256 QAM	120@60	20.16	21.66	0.1466
66	15	45	349000	1745	DFT-s-OFDM 256 QAM	1@1	19.37	20.87	0.1222
66	15	45	349000	1745	DFT-s-OFDM 256 QAM	1@240	19.75	21.25	0.1334
66	15	45	349000	1745	CP-OFDM QPSK	121@60	23.07	24.57	0.2864
66	15	45	349000	1745	CP-OFDM QPSK	1@1	21.92	23.42	0.2198
66	15	45	349000	1745	CP-OFDM QPSK	1@240	22.35	23.85	0.2427
66	15	45	351500	1757.5	DFT-s-OFDM PI/2 BPSK	120@60	23.13	24.63	0.2904
66	15	45	351500	1757.5	DFT-s-OFDM PI/2 BPSK	1@1	23.18	24.68	0.2938
66	15	45	351500	1757.5	DFT-s-OFDM PI/2 BPSK	1@240	22.69	24.19	0.2624



66	15	45	351500	1757.5	DFT-s-OFDM QPSK	120@60	24.34	25.84	0.3837
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@1	23.87	25.37	0.3443
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@240	23.02	24.52	0.2831
66	15	45	351500	1757.5	DFT-s-OFDM 16 QAM	120@60	23.53	25.03	0.3184
66	15	45	351500	1757.5	DFT-s-OFDM 16 QAM	1@1	23.21	24.71	0.2958
66	15	45	351500	1757.5	DFT-s-OFDM 16 QAM	1@240	22.34	23.84	0.2421
66	15	45	351500	1757.5	DFT-s-OFDM 64 QAM	120@60	22	23.5	0.2239
66	15	45	351500	1757.5	DFT-s-OFDM 64 QAM	1@1	21.75	23.25	0.2113
66	15	45	351500	1757.5	DFT-s-OFDM 64 QAM	1@240	20.89	22.39	0.1734
66	15	45	351500	1757.5	DFT-s-OFDM 256 QAM	120@60	20.04	21.54	0.1426
66	15	45	351500	1757.5	DFT-s-OFDM 256 QAM	1@1	19.73	21.23	0.1327
66	15	45	351500	1757.5	DFT-s-OFDM 256 QAM	1@240	19.07	20.57	0.1140
66	15	45	351500	1757.5	CP-OFDM QPSK	121@60	22.76	24.26	0.2667
66	15	45	351500	1757.5	CP-OFDM QPSK	1@1	22.63	24.13	0.2588
66	15	45	351500	1757.5	CP-OFDM QPSK	1@240	21.71	23.21	0.2094



FR1 N66(ANT6) – Main PA

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	10.1	PASS	NV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	9.8	PASS	LV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	15.2	PASS	HV
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	15.3	PASS	-30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	17.7	PASS	-20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	10.8	PASS	-10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	13.5	PASS	0°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	10.7	PASS	10°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	10.1	PASS	20°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	14.3	PASS	30°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	9.7	PASS	40°C
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	16.6	PASS	50°C

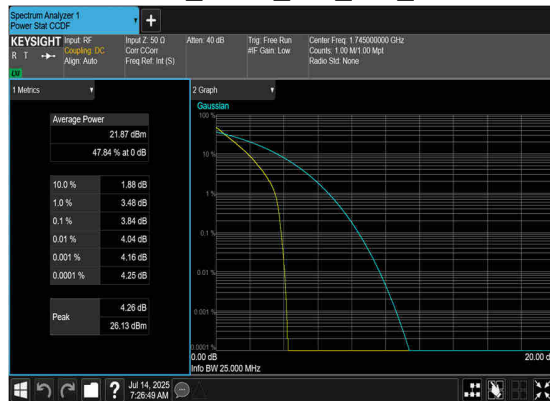
$|\text{MAX}(\Delta f)| = 17.7 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	1710.489482	$\geq 1710 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	1778.431618	$\leq 1780 \text{ MHz}$	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
66	15	20	349000	1745.0	DFT-s-OFDM PI/2 BPSK	100@0	3.84	13	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	100@0	4.36	13	PASS

N66(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



N66(20M)_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)
66	15	5	349000	1745.0	CP-OFDM QPSK	25@0	4.469	5.076
66	15	5	349000	1745.0	CP-OFDM 16 QAM	25@0	4.4761	5.034
66	15	5	349000	1745.0	CP-OFDM 64 QAM	25@0	4.4622	4.968
66	15	5	349000	1745.0	CP-OFDM 256 QAM	25@0	4.4768	5.095
66	15	10	349000	1745.0	CP-OFDM QPSK	52@0	9.2879	10.14
66	15	10	349000	1745.0	CP-OFDM 16 QAM	52@0	9.278	9.905
66	15	10	349000	1745.0	CP-OFDM 64 QAM	52@0	9.2774	9.828
66	15	10	349000	1745.0	CP-OFDM 256 QAM	52@0	9.2791	9.939
66	15	15	349000	1745.0	CP-OFDM QPSK	79@0	14.11	14.97
66	15	15	349000	1745.0	CP-OFDM 16 QAM	79@0	14.096	14.83
66	15	15	349000	1745.0	CP-OFDM 64 QAM	79@0	14.088	14.97
66	15	15	349000	1745.0	CP-OFDM 256 QAM	79@0	14.066	14.93
66	15	20	349000	1745.0	CP-OFDM QPSK	106@0	18.9	19.96
66	15	20	349000	1745.0	CP-OFDM 16 QAM	106@0	18.903	19.79
66	15	20	349000	1745.0	CP-OFDM 64 QAM	106@0	18.889	19.8
66	15	20	349000	1745.0	CP-OFDM 256 QAM	106@0	18.955	19.83
66	15	25	349000	1745.0	CP-OFDM QPSK	133@0	23.769	24.85
66	15	25	349000	1745.0	CP-OFDM 16 QAM	133@0	23.769	24.88
66	15	25	349000	1745.0	CP-OFDM 64 QAM	133@0	23.811	24.65
66	15	25	349000	1745.0	CP-OFDM 256 QAM	133@0	23.774	24.81
66	15	30	349000	1745.0	CP-OFDM QPSK	160@0	28.576	29.63
66	15	30	349000	1745.0	CP-OFDM 16 QAM	160@0	28.589	29.54



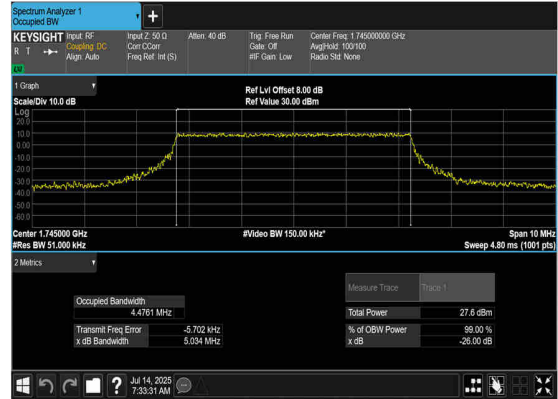
66	15	30	349000	1745.0	CP-OFDM 64 QAM	160@0	28.522	29.64
66	15	30	349000	1745.0	CP-OFDM 256 QAM	160@0	28.541	29.72
66	15	35	349000	1745.0	CP-OFDM QPSK	188@0	33.484	34.73
66	15	35	349000	1745.0	CP-OFDM 16 QAM	188@0	33.557	34.66
66	15	35	349000	1745.0	CP-OFDM 64 QAM	188@0	33.516	34.8
66	15	35	349000	1745.0	CP-OFDM 256 QAM	188@0	33.526	34.91
66	15	40	349000	1745.0	CP-OFDM QPSK	216@0	38.628	40.04
66	15	40	349000	1745.0	CP-OFDM 16 QAM	216@0	38.549	39.99
66	15	40	349000	1745.0	CP-OFDM 64 QAM	216@0	38.557	39.85
66	15	40	349000	1745.0	CP-OFDM 256 QAM	216@0	38.583	39.9
66	15	45	349000	1745.0	CP-OFDM QPSK	242@0	43.221	44.69
66	15	45	349000	1745.0	CP-OFDM 16 QAM	242@0	43.25	44.69
66	15	45	349000	1745.0	CP-OFDM 64 QAM	242@0	43.279	44.66
66	15	45	349000	1745.0	CP-OFDM 256 QAM	242@0	43.227	44.65



N66(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



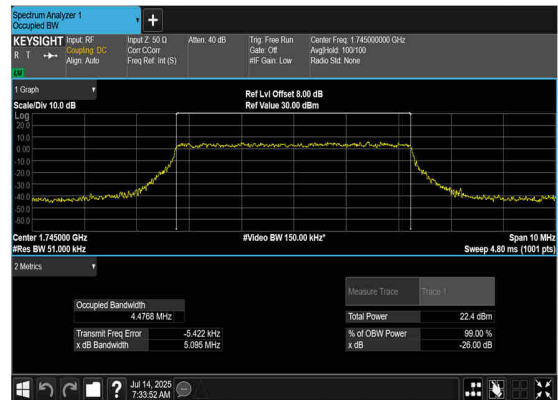
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QAM_Outer_Full_Mid_CH



N66(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

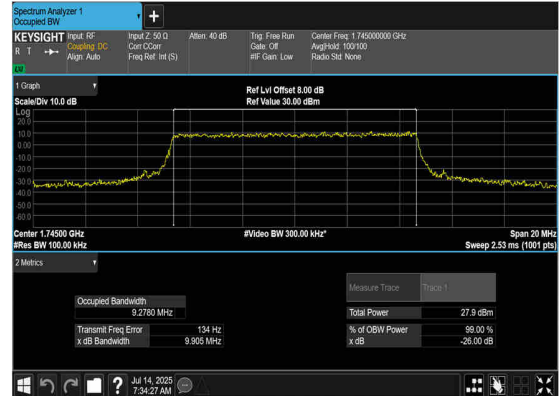




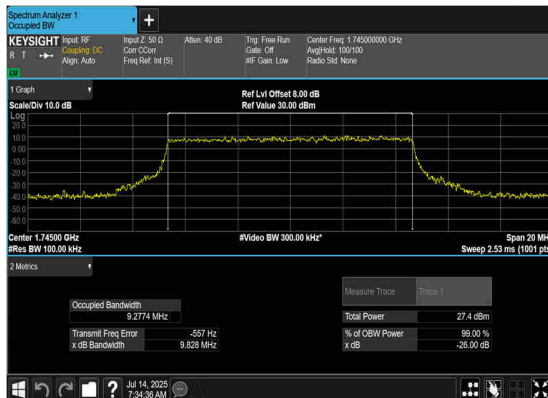
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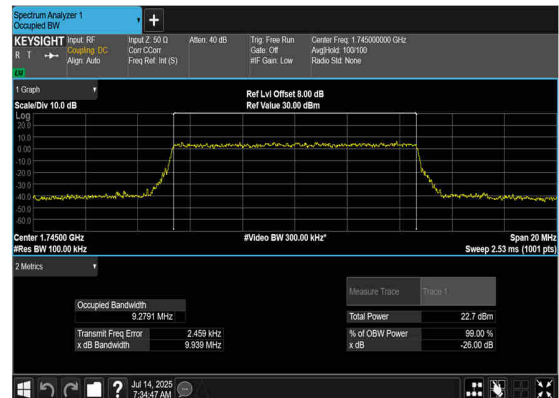
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QAM_Outer_Full_Mid_CH



N66(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





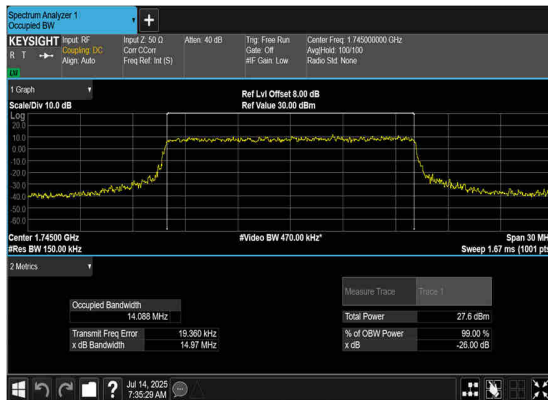
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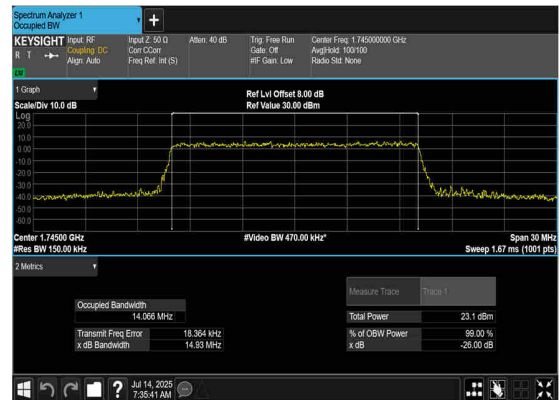
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QAM_Outer_Full_Mid_CH



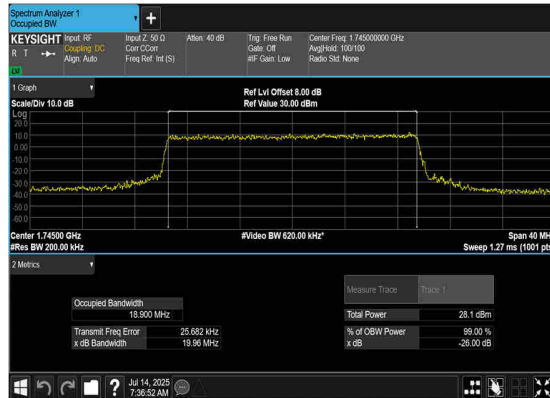
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QAM_Outer_Full_Mid_CH



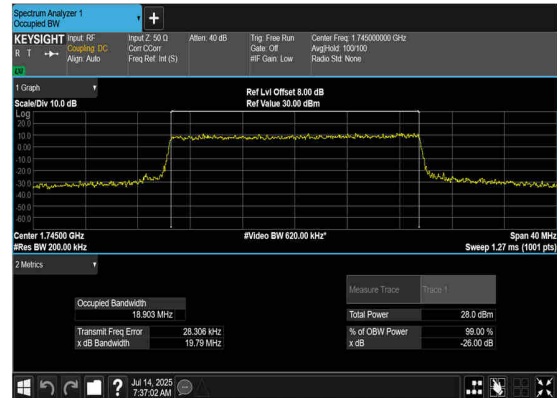
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QAM_Outer_Full_Mid_CH



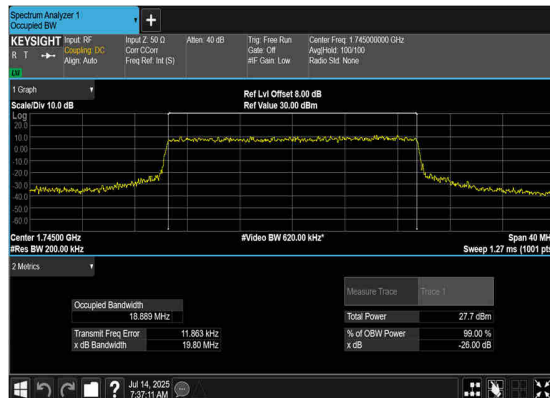
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OFDM_QPSK_Outer_Full_Mid_CH



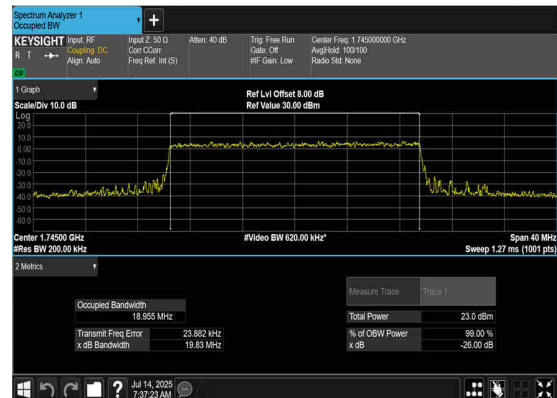
N66(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(20M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(20M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

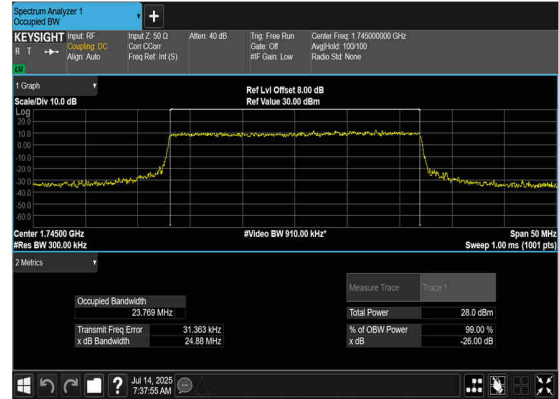




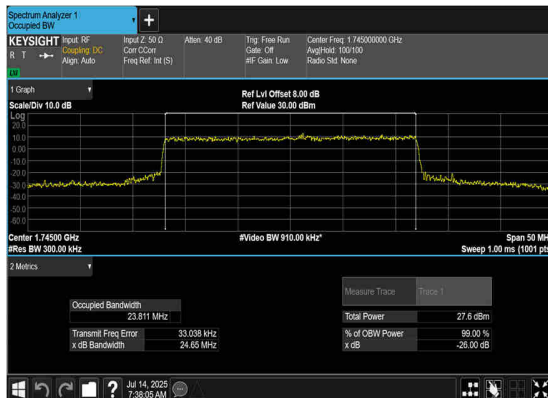
N66(25M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



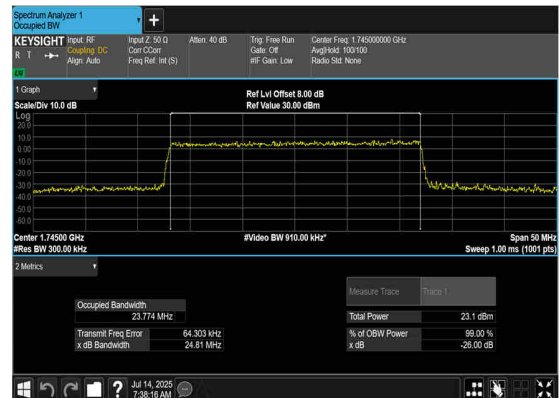
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QAM_Outer_Full_Mid_CH



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QAM_Outer_Full_Mid_CH



N66(25M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

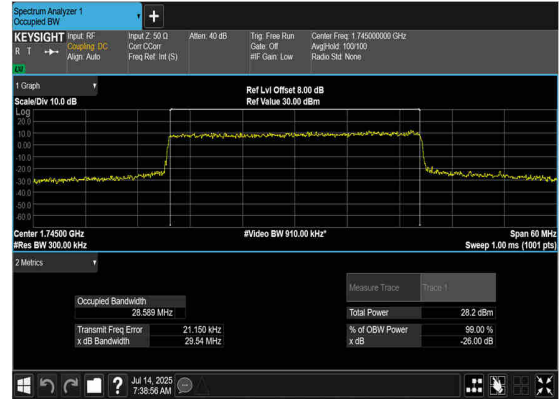




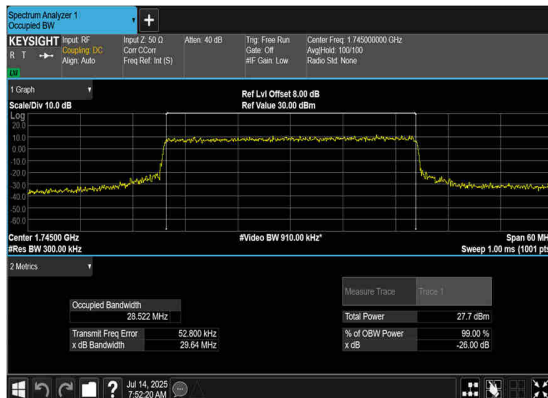
N66(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



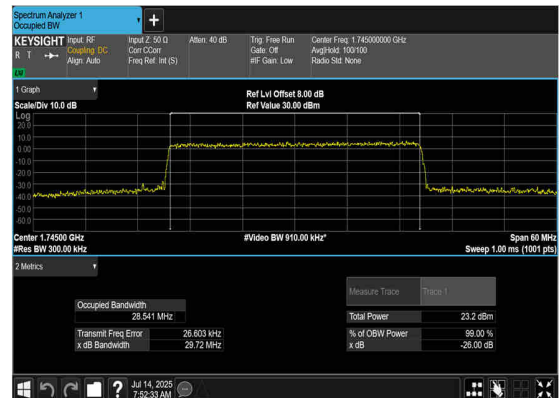
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QAM_Outer_Full_Mid_CH



N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

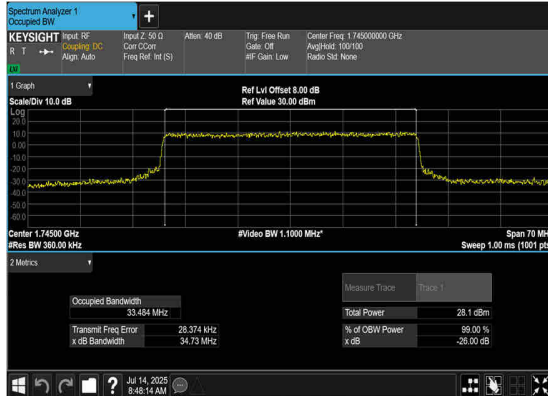


N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

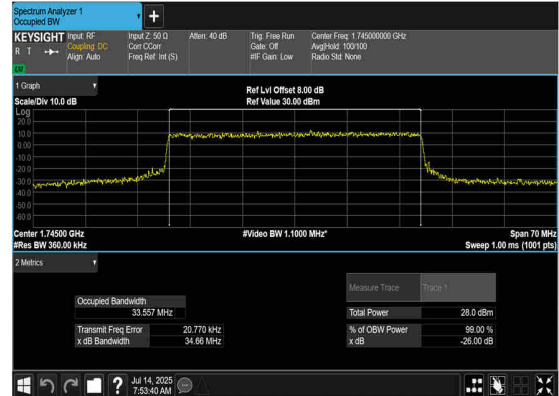




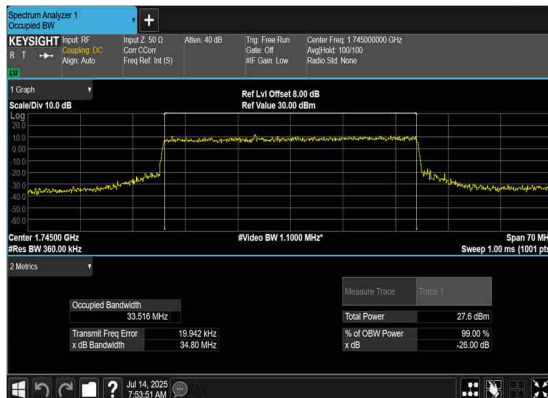
N66(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



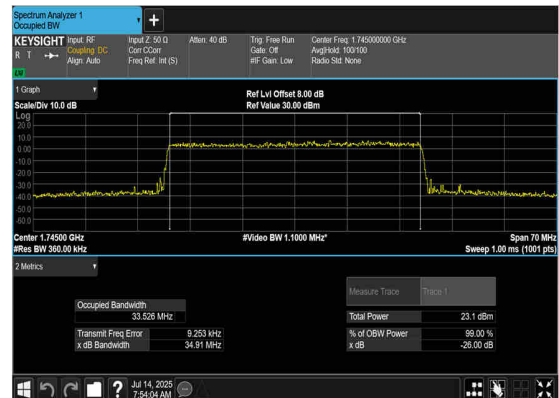
N66(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

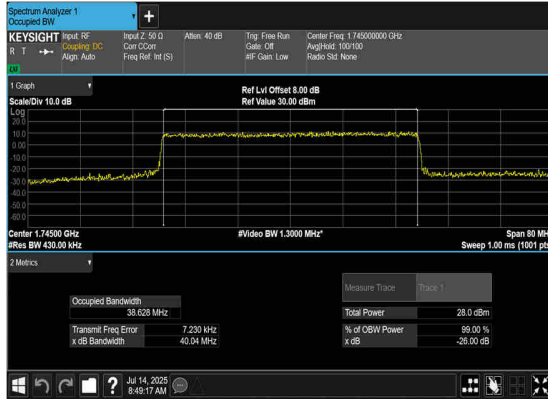


N66(35M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

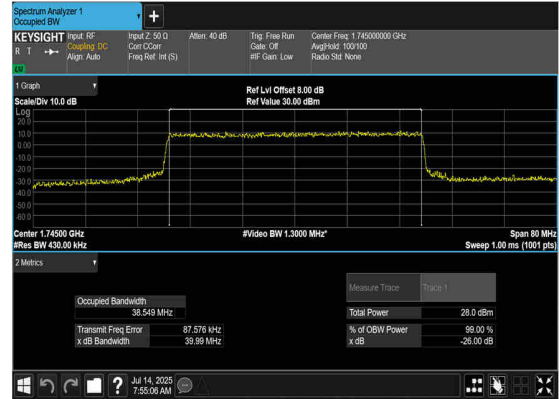




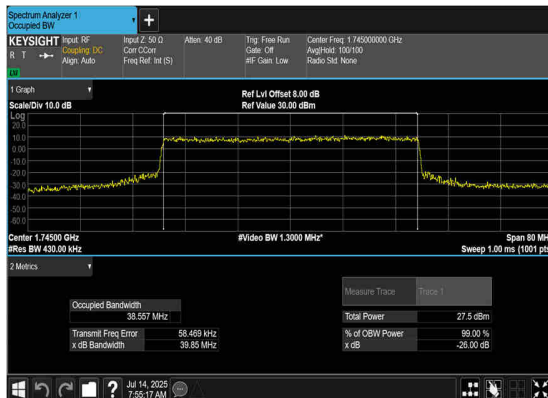
N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



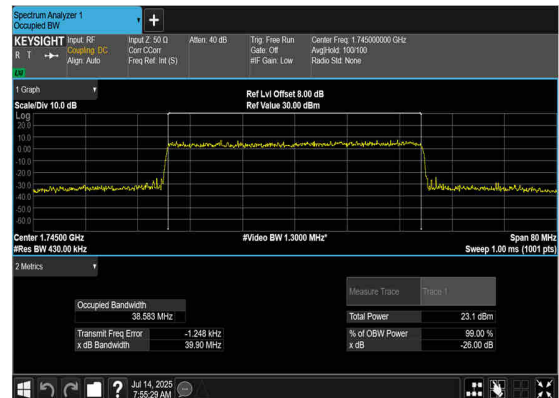
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QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

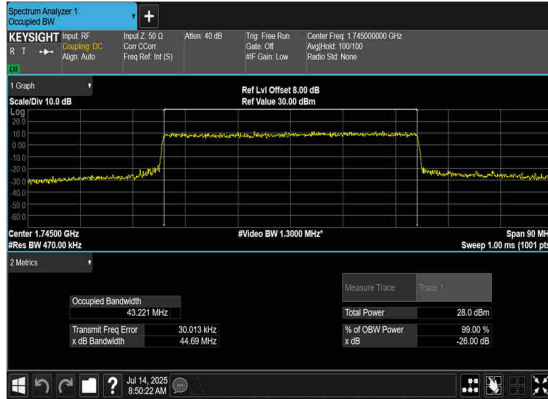


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QAM_Outer_Full_Mid_CH

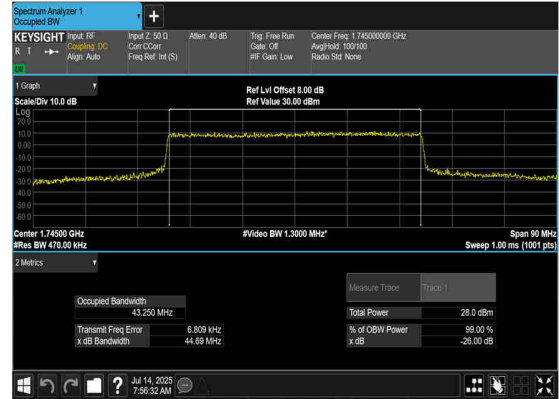




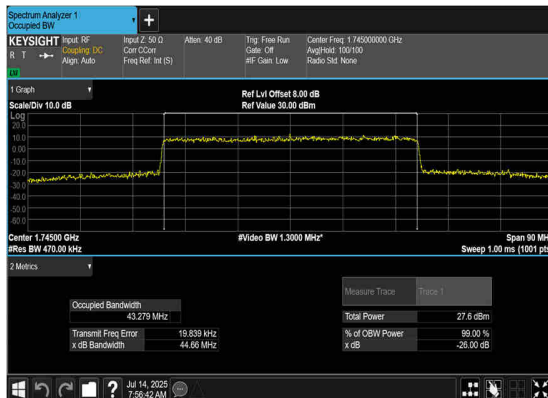
N66(45M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



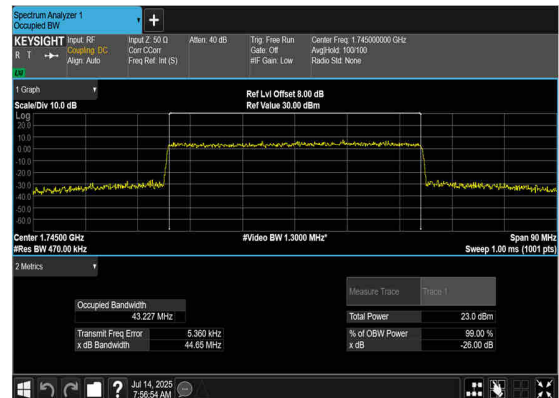
N66(45M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





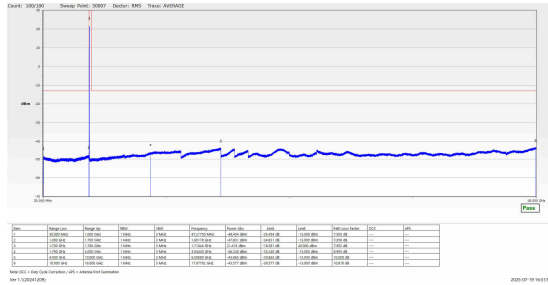
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	344500	1722.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	25	344500	1722.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	25	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	25	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



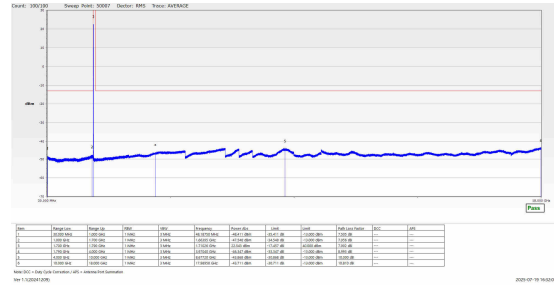
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	25	353500	1767.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	25	353500	1767.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



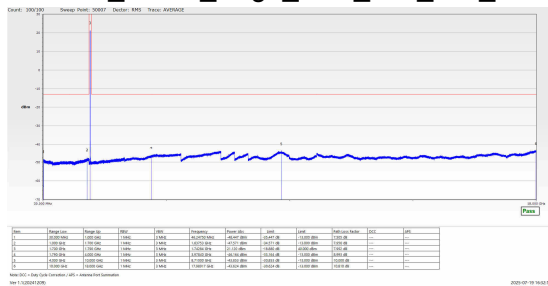
2025-07-29 14:51:52

N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



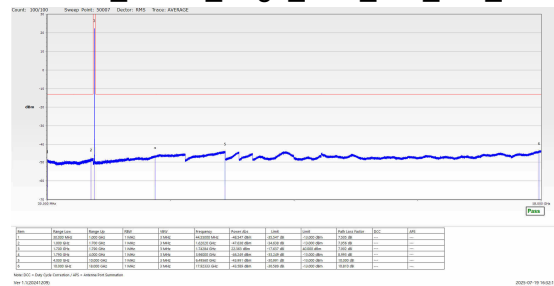
2025-07-19 14:52:08

N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



2025-07-19 16:52:12

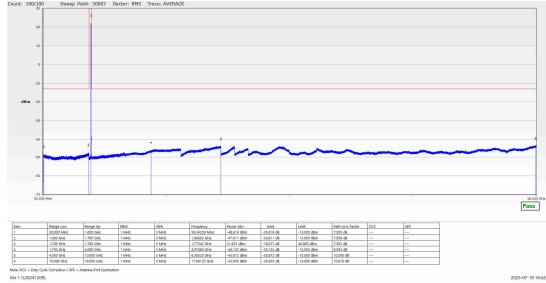
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



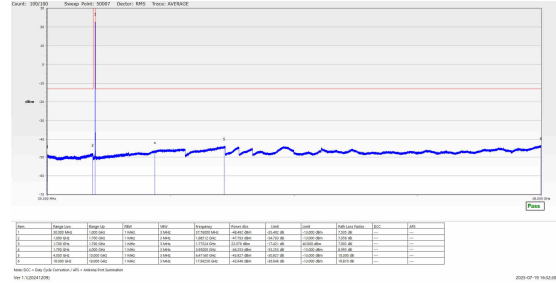
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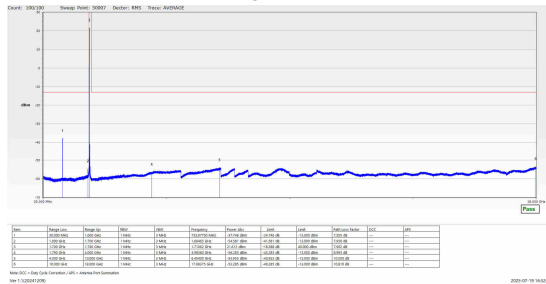
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N66(25M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(25M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

