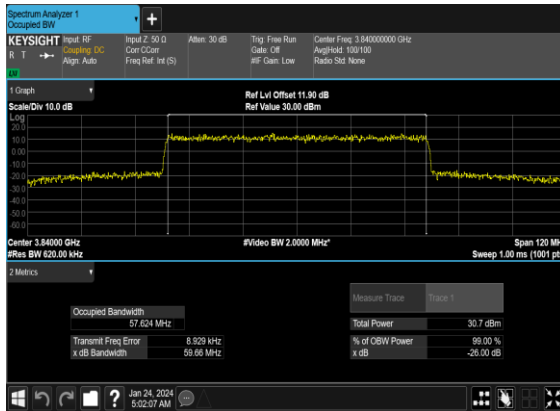
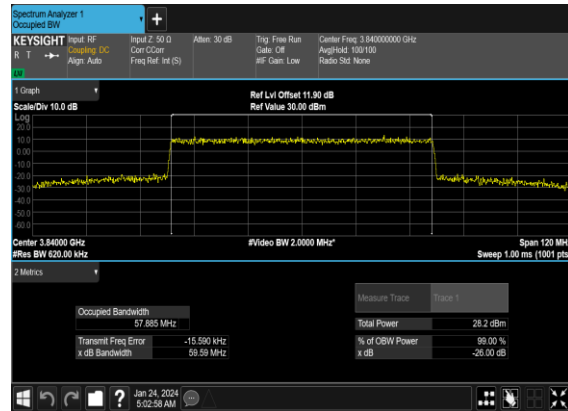


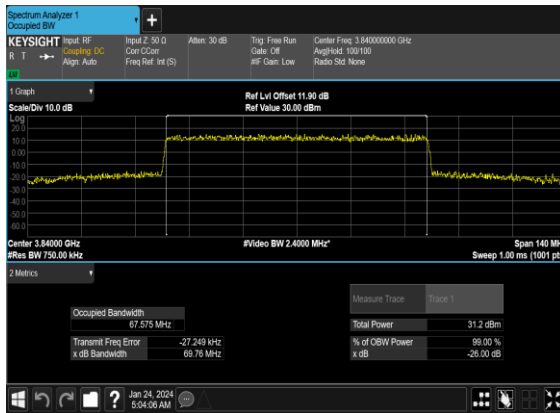
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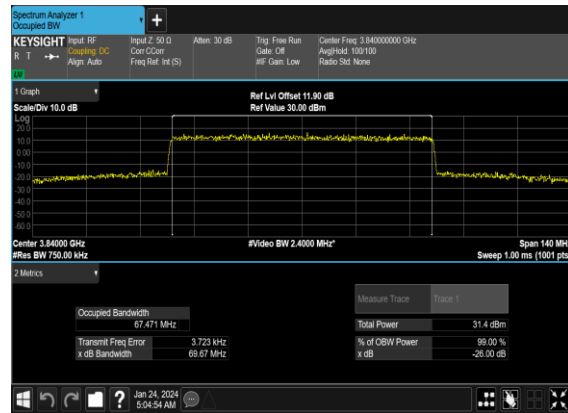
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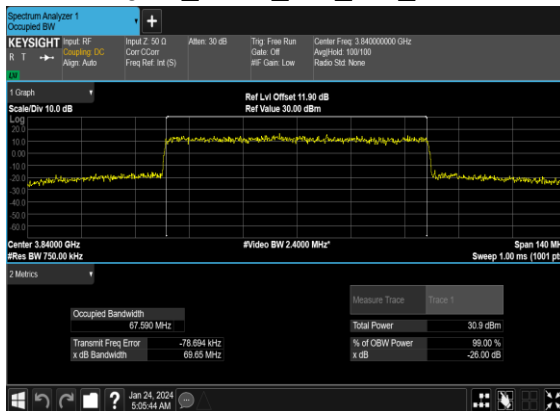
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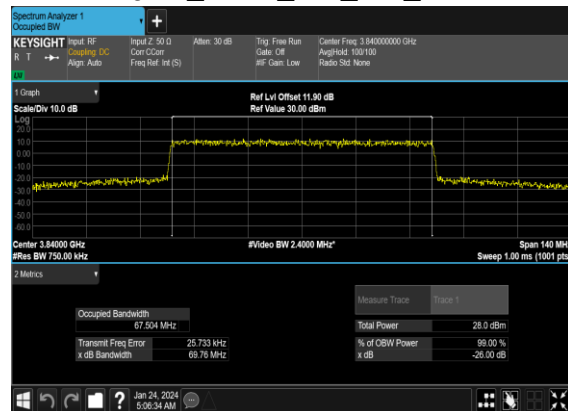
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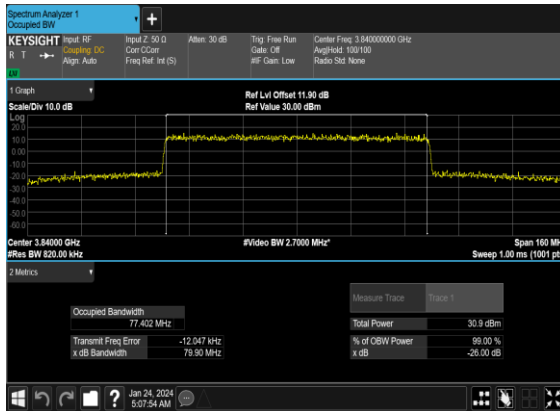
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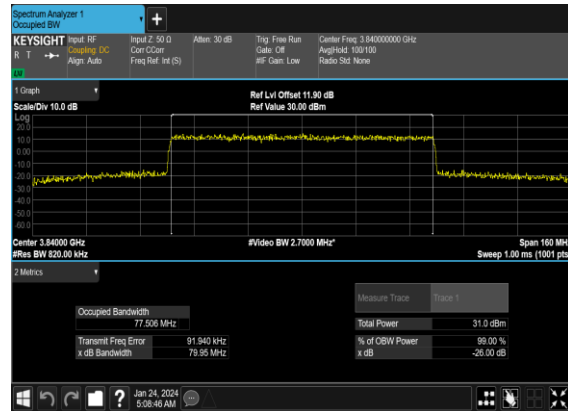
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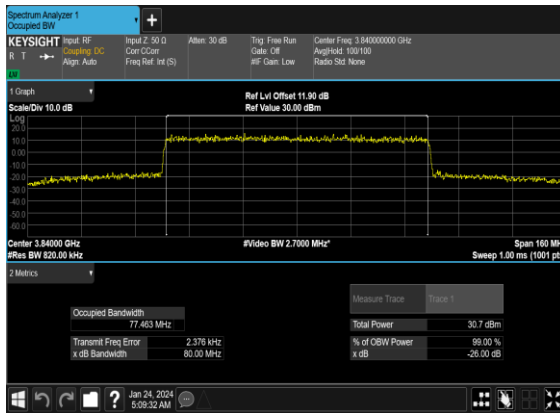
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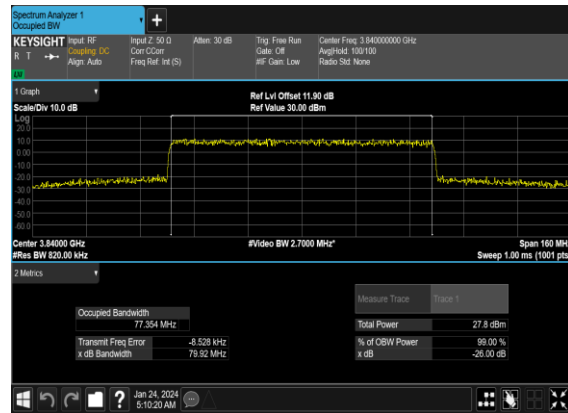
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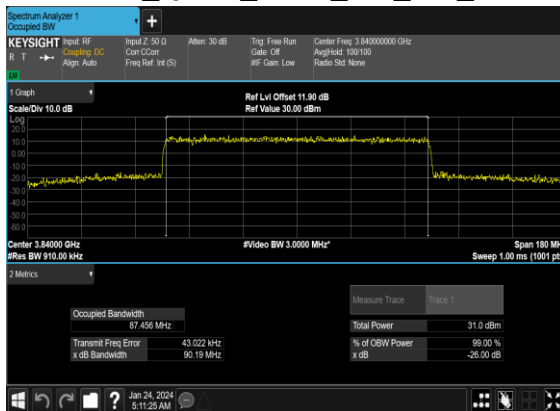
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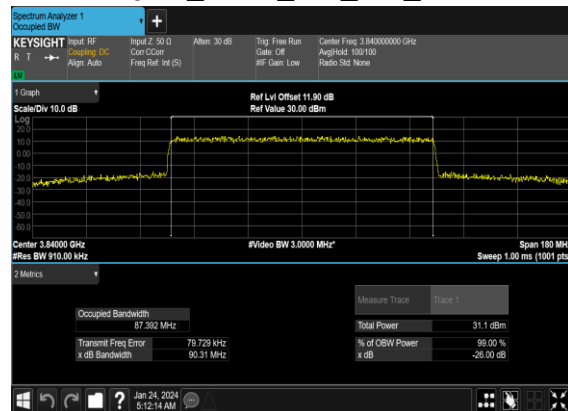
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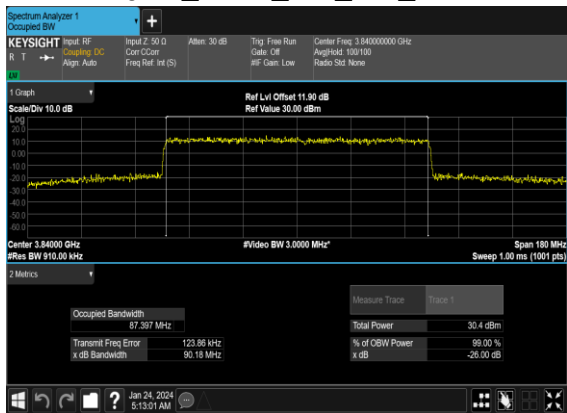
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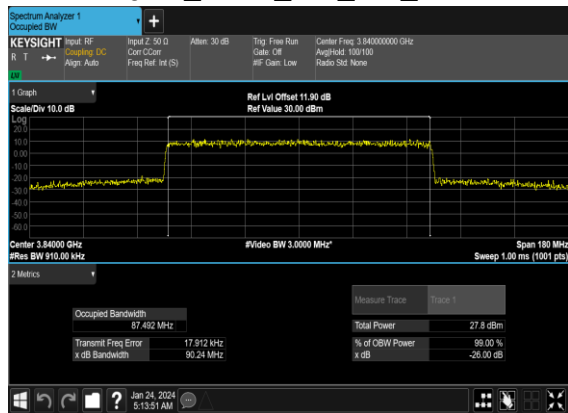
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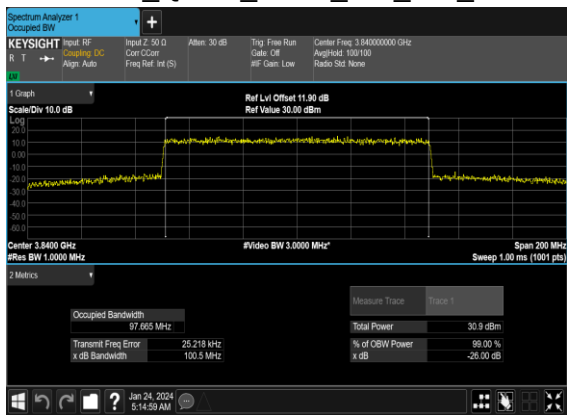
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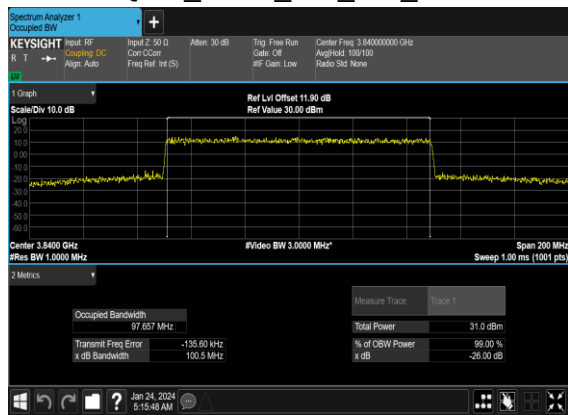
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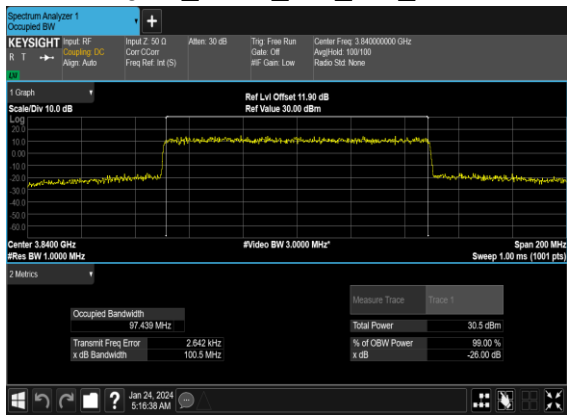
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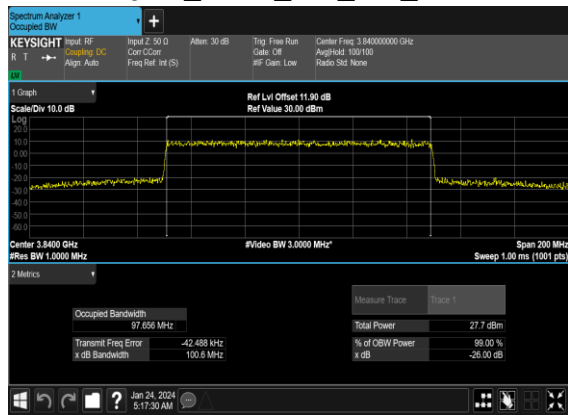
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QAM_Outer_Full_Mid_CH

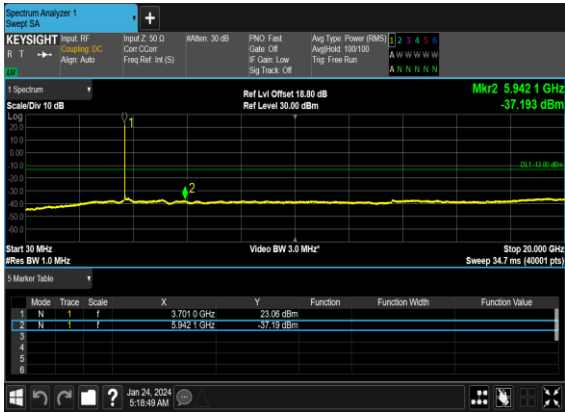


Conducted Spurious Emissions

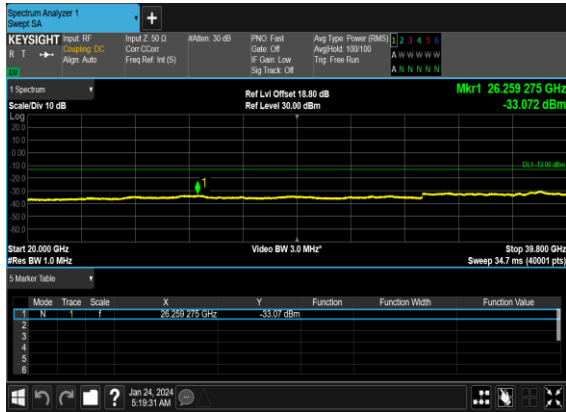
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
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77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@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	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---

77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
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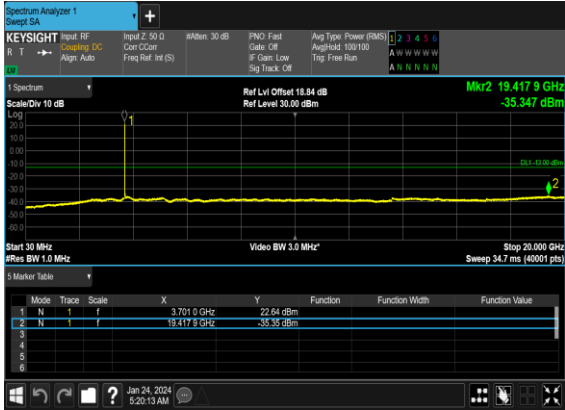
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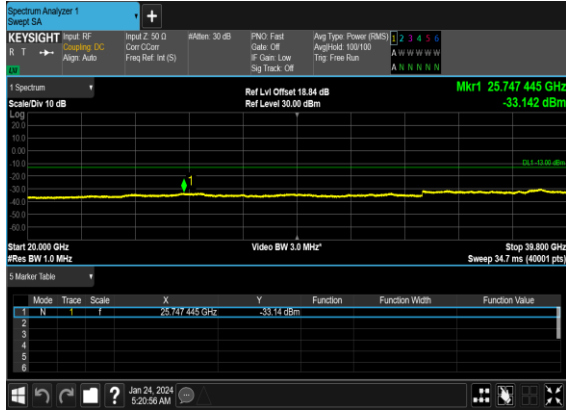
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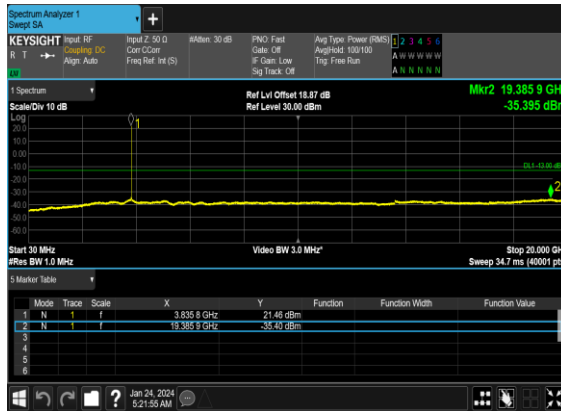
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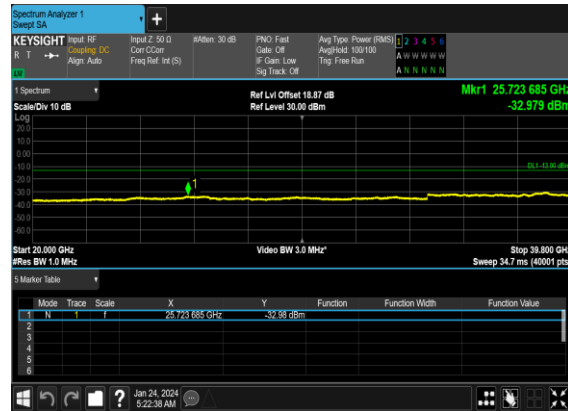
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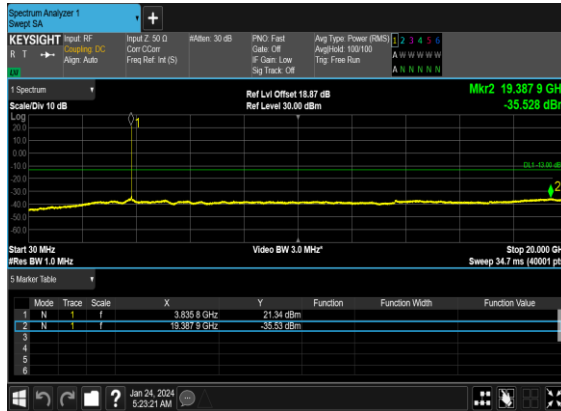
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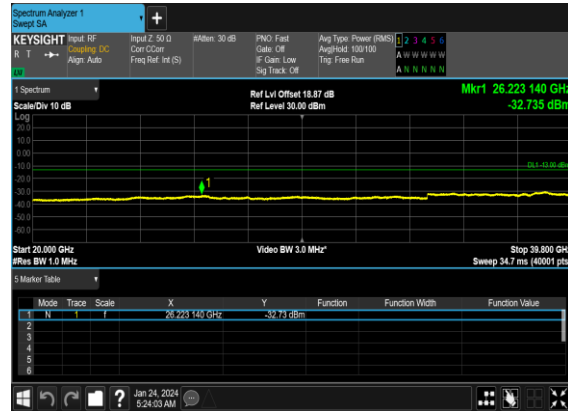
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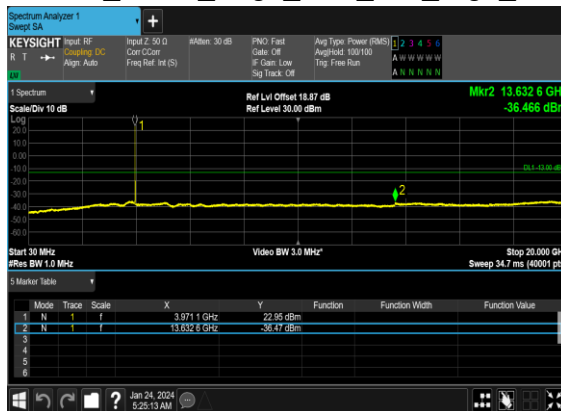
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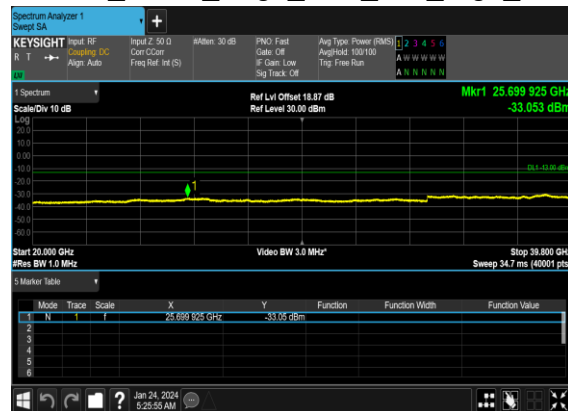
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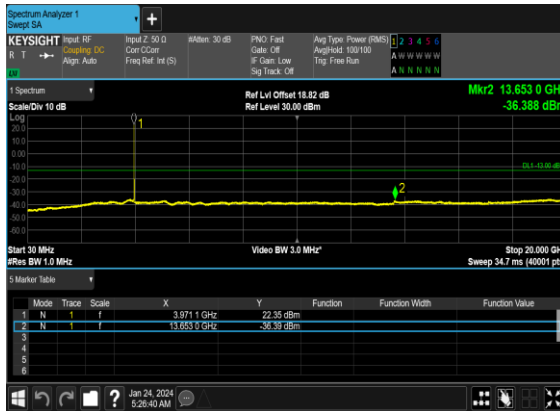
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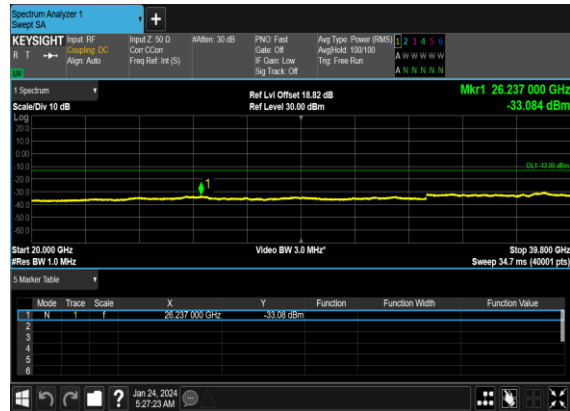
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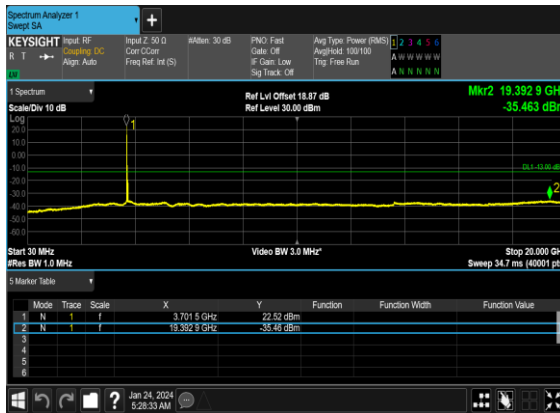
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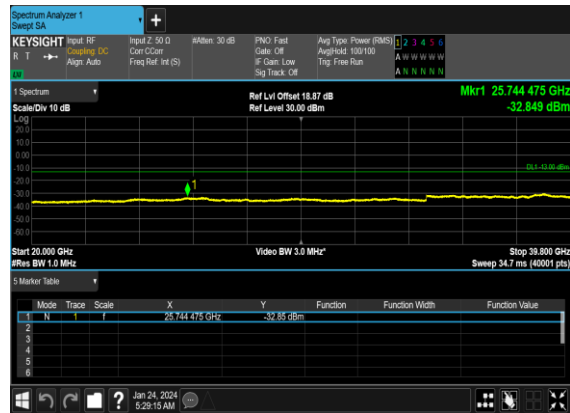
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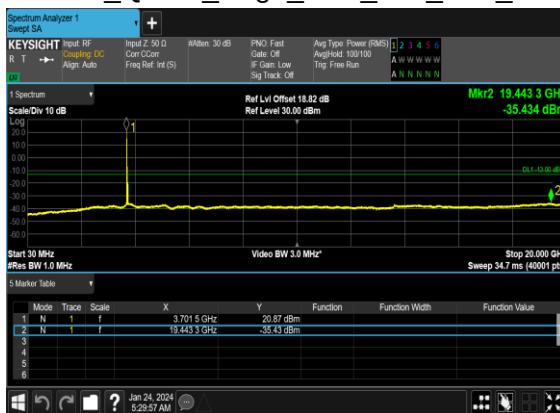
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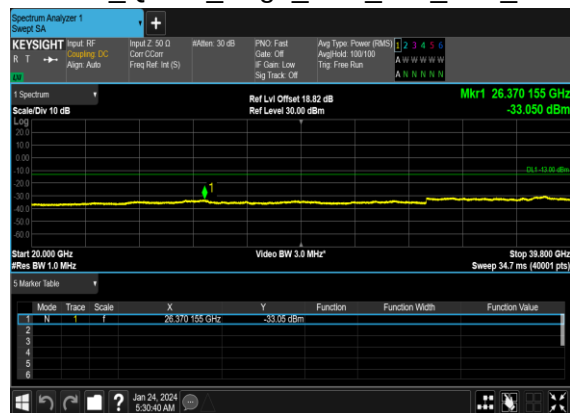
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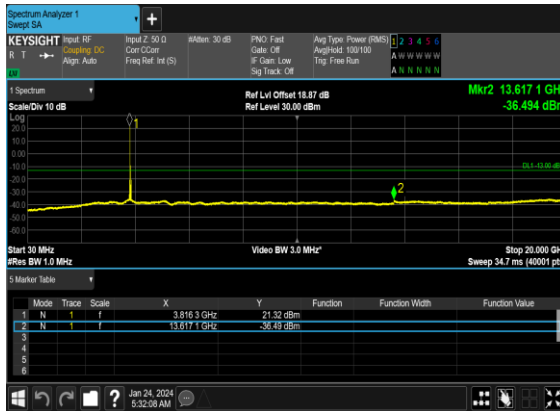
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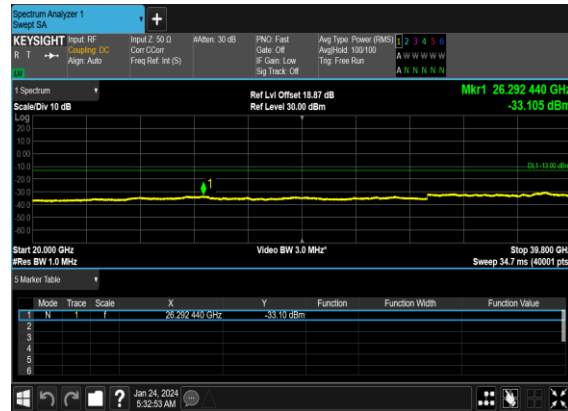
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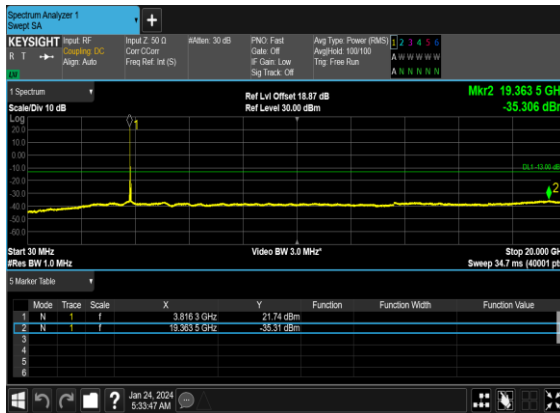
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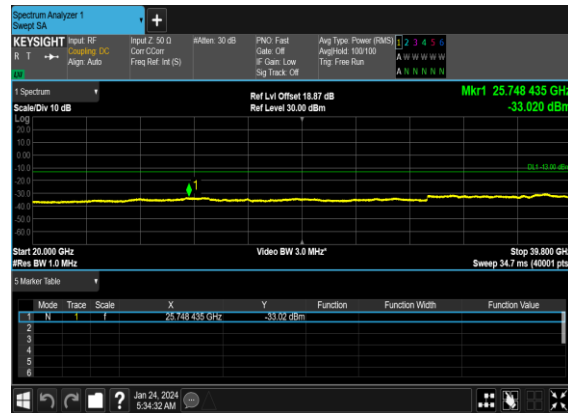
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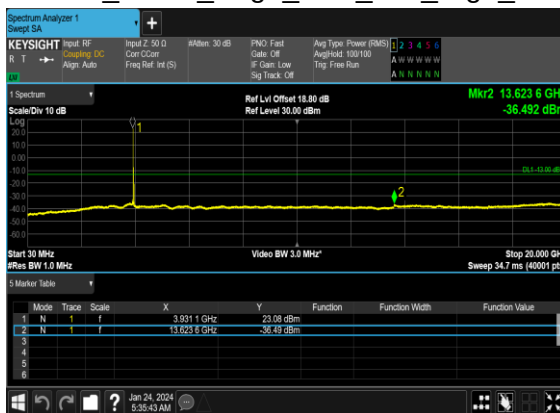
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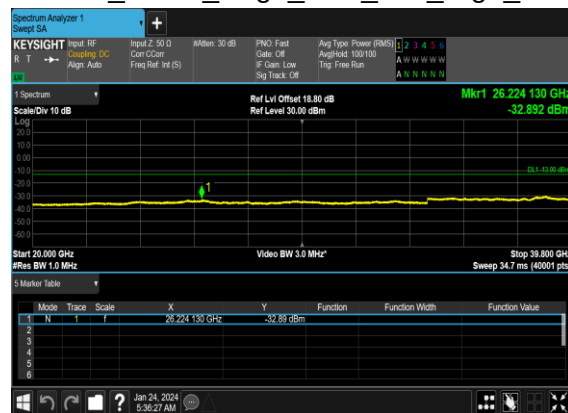
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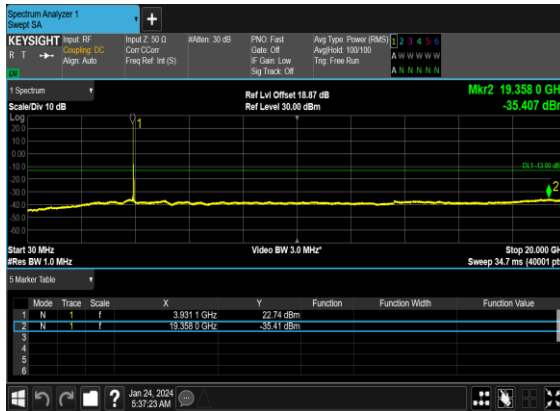
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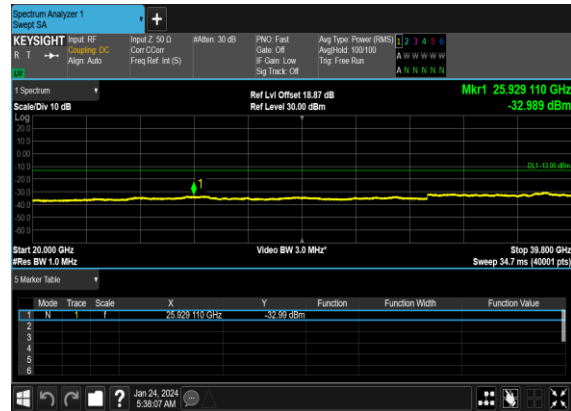
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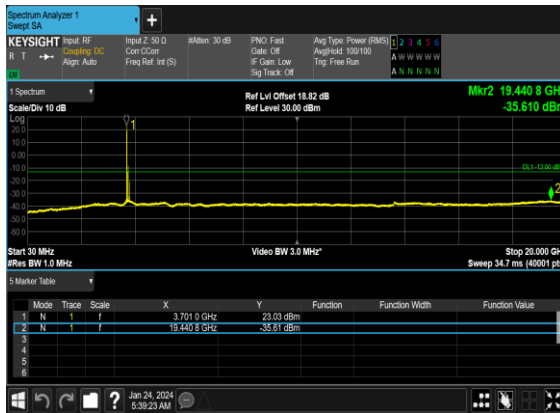
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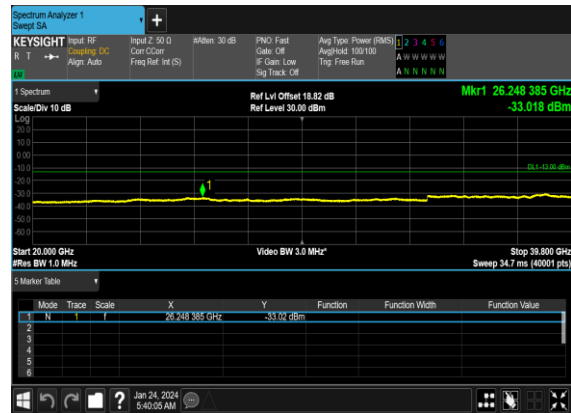
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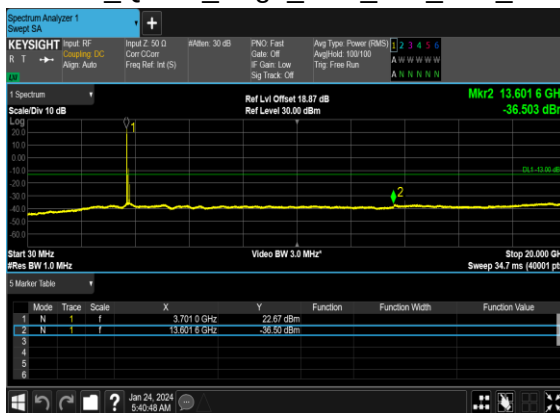
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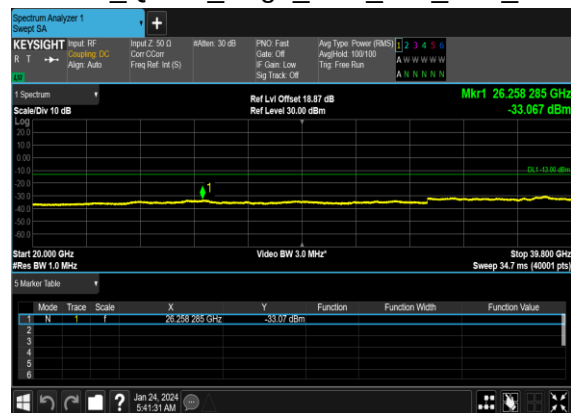
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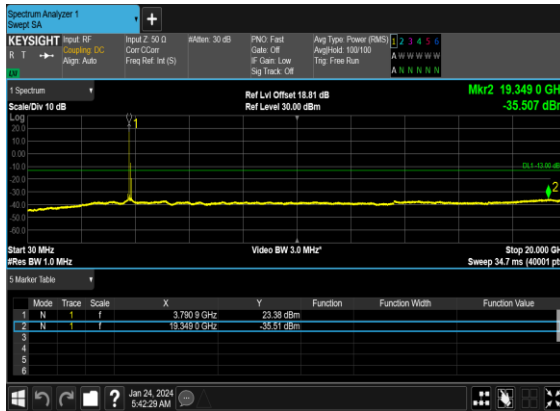
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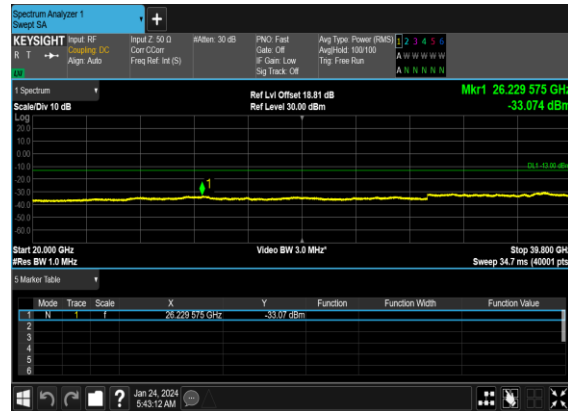
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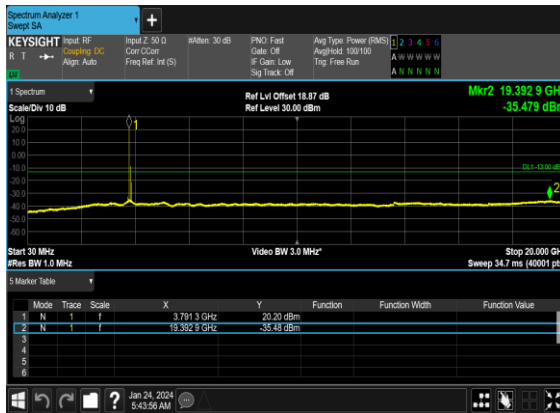
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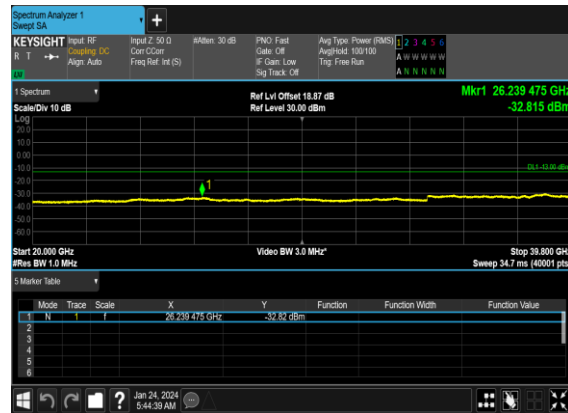
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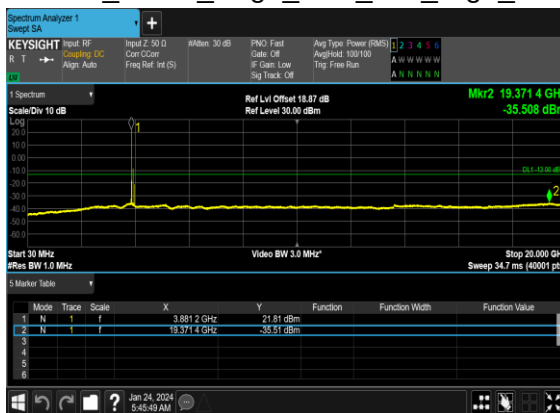
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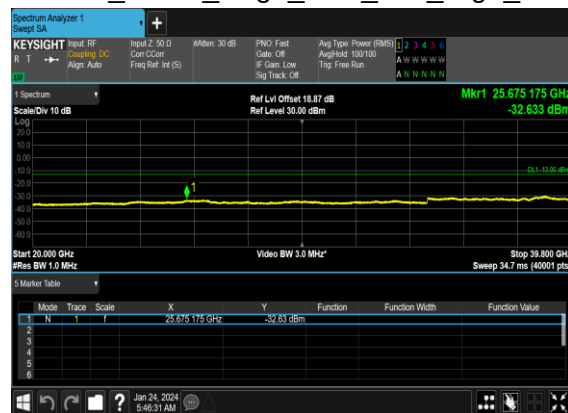
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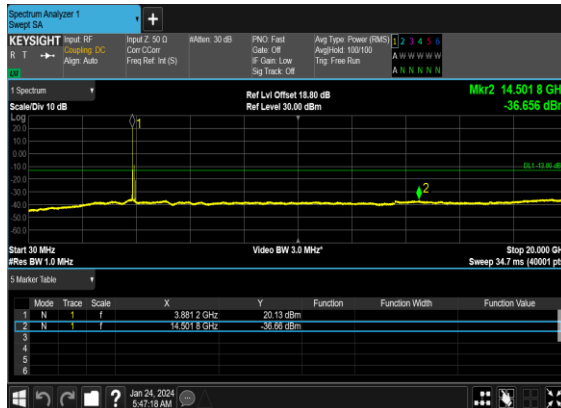
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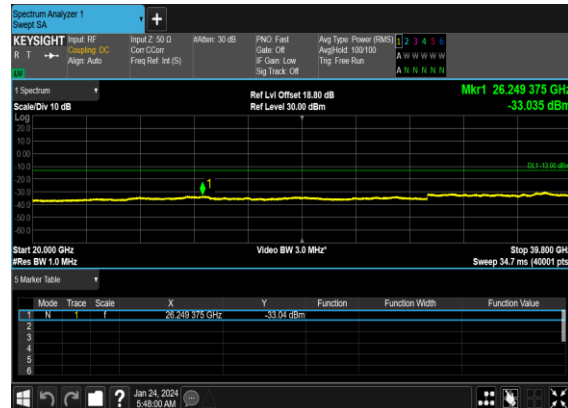
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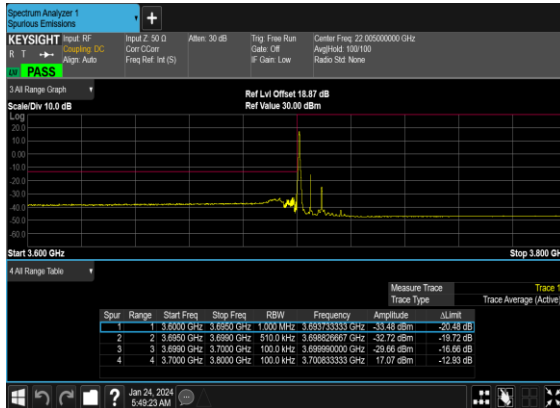
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



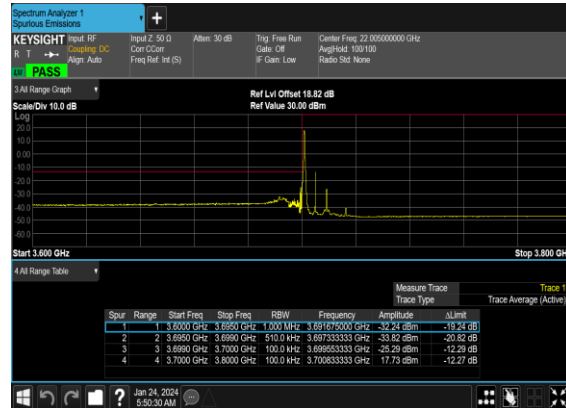
Conducted Band Edge

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	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@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

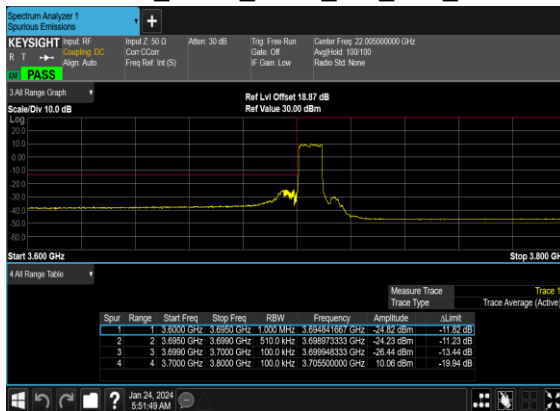
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



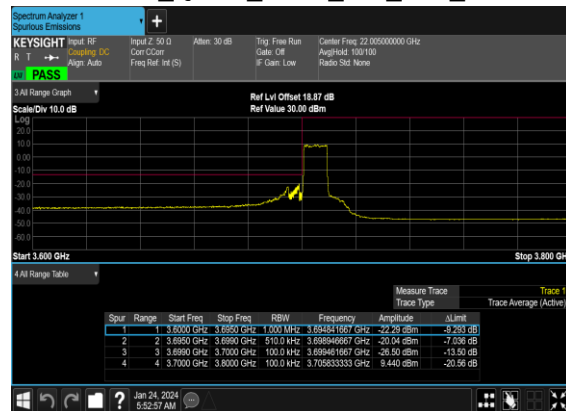
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



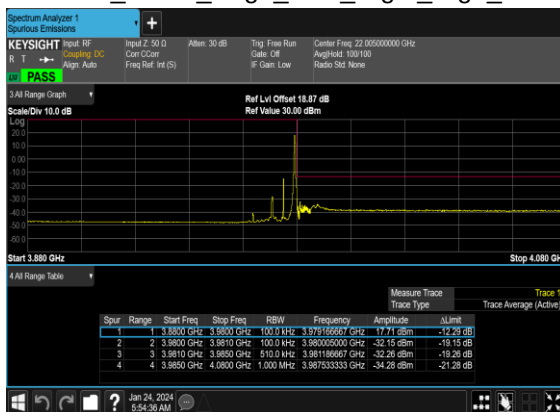
N77(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



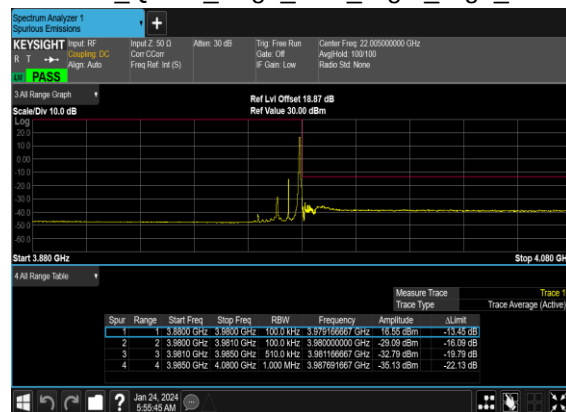
N77(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



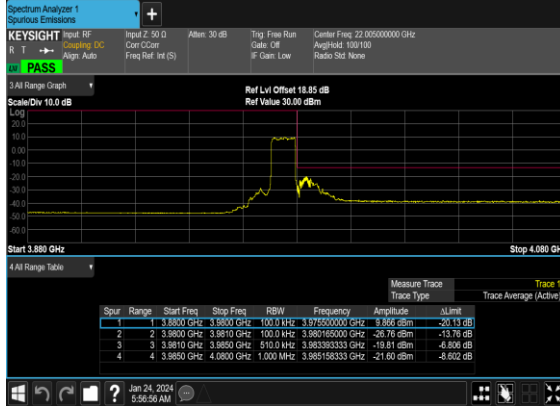
N77(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



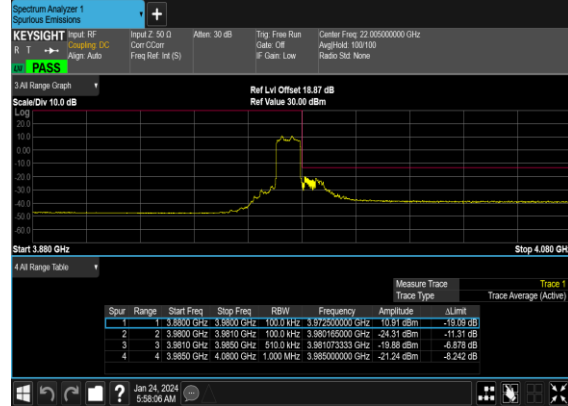
N77(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



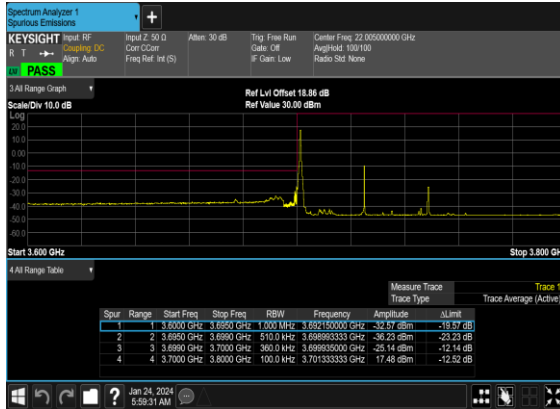
N77(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



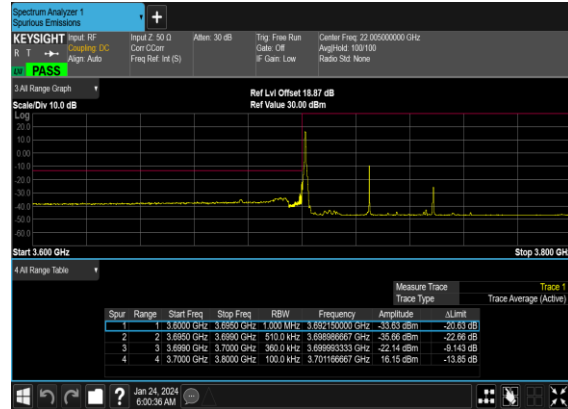
N77(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



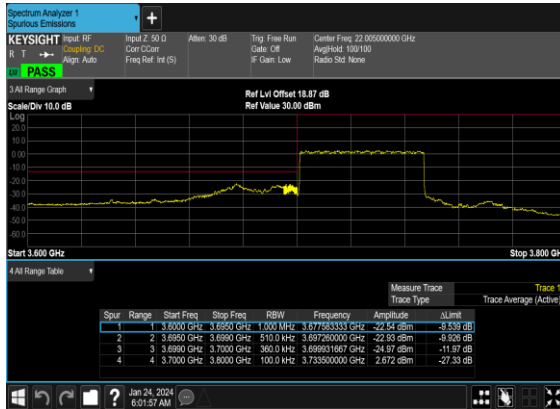
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



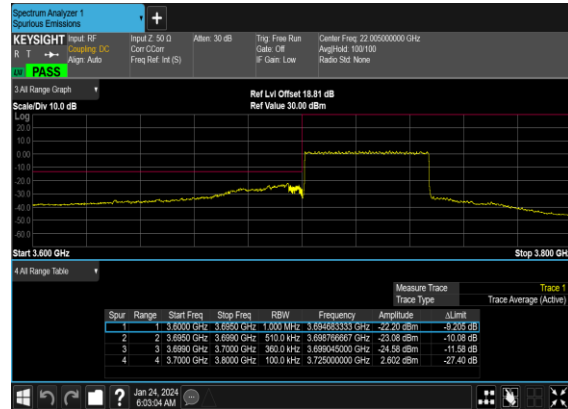
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



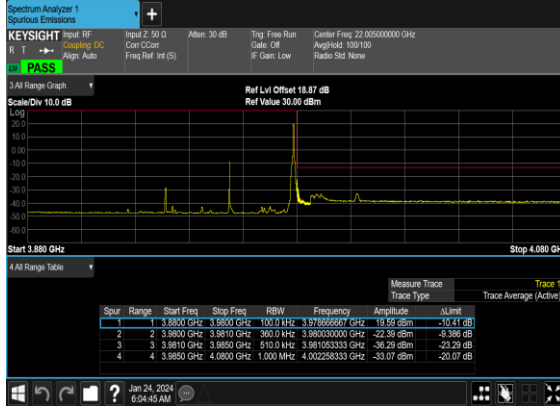
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



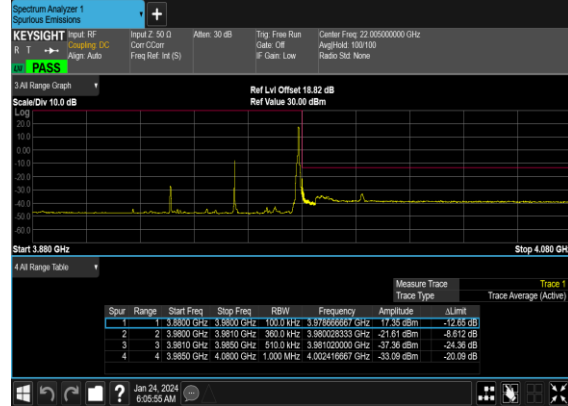
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



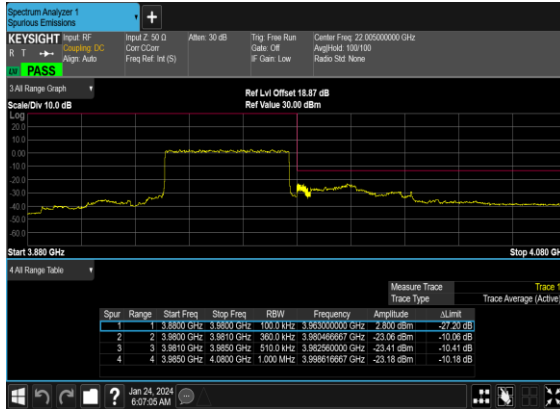
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



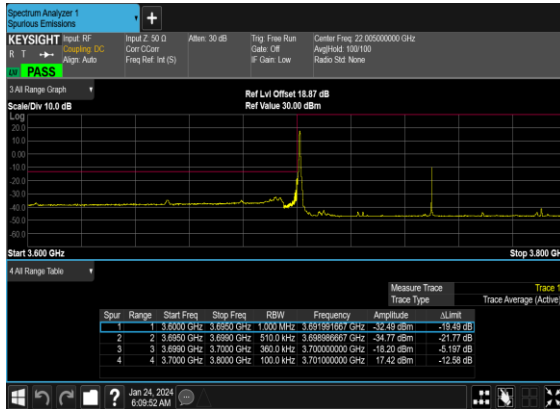
N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



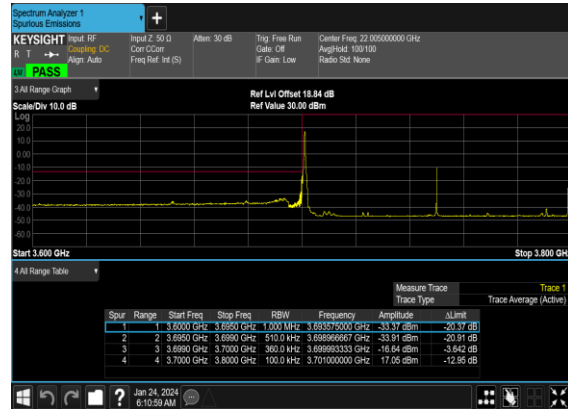
N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



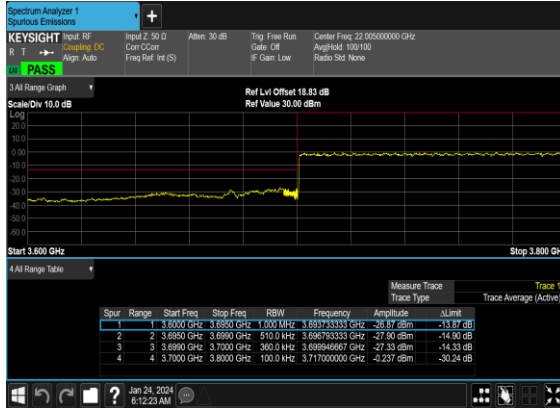
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



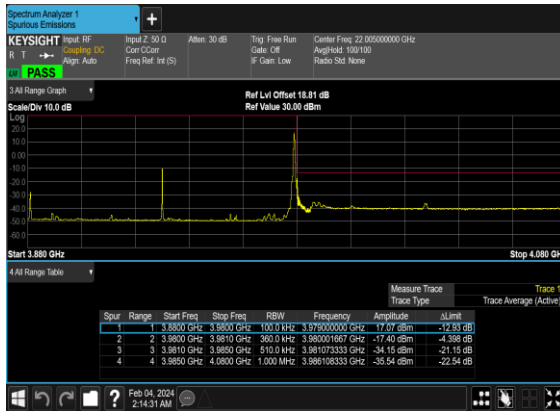
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OFDM_BPSK_Outer_Full_Low_CH



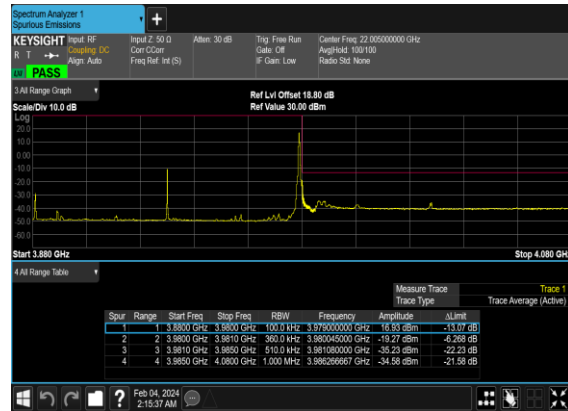
N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



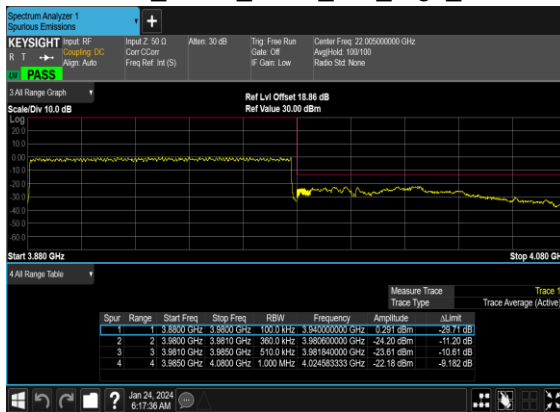
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



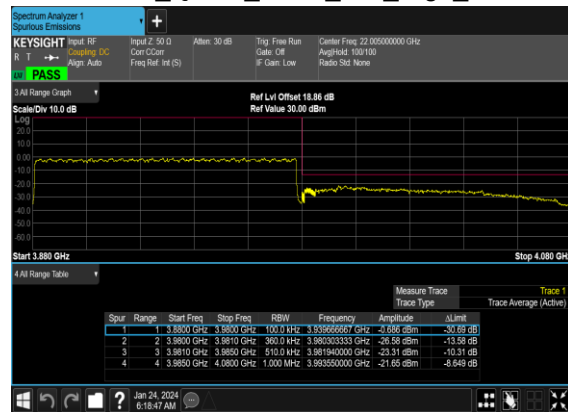
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



FR1 N78_SCS 30kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-4.5dB

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 QPSK	1@1	25.78	21.28	0.1343
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.74	20.24	0.1057
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	25.8	21.3	0.1349
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.6	20.1	0.1023
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	25.64	21.14	0.1300
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	24.55	20.05	0.1012
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.8	21.3	0.1349
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.76	20.26	0.1062
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	25.75	21.25	0.1334
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.61	20.11	0.1026
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	25.55	21.05	0.1274
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	24.46	19.96	0.0991
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.76	21.26	0.1337
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.92	20.42	0.1102
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	25.62	21.12	0.1294
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.77	20.27	0.1064
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	25.53	21.03	0.1268
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	24.69	20.19	0.1045
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.81	21.31	0.1352
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.65	20.15	0.1035
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	25.56	21.06	0.1276
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.33	19.83	0.0962
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	25.33	20.83	0.1211
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	24.36	19.86	0.0968
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.56	21.06	0.1276
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	23.55	19.05	0.0804
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	25.41	20.91	0.1233
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	23.46	18.96	0.0787
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	25.57	21.07	0.1279
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	23.58	19.08	0.0809
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.75	21.25	0.1334
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.91	20.41	0.1099
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	25.62	21.12	0.1294
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.78	20.28	0.1067
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	25.54	21.04	0.1271
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	24.7	20.2	0.1047
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.78	21.28	0.1343
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.91	20.41	0.1099
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	25.69	21.19	0.1315
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.62	20.12	0.1028
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	25.57	21.07	0.1279
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	24.51	20.01	0.1002

78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.74	21.24	0.1330
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.68	20.18	0.1042
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	25.65	21.15	0.1303
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.53	20.03	0.1007
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	25.6	21.1	0.1288
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	24.55	20.05	0.1012
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.76	21.26	0.1337
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.71	20.21	0.1050
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	25.67	21.17	0.1309
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.54	20.04	0.1009
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	25.6	21.1	0.1288
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	24.6	20.1	0.1023
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.75	21.25	0.1334
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.68	20.18	0.1042
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	25.58	21.08	0.1282
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.73	20.23	0.1054
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	25.49	20.99	0.1256
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	24.65	20.15	0.1035
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.7	21.2	0.1318
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.86	20.36	0.1086
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	25.63	21.13	0.1297
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.72	20.22	0.1052
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	25.57	21.07	0.1279
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	24.73	20.23	0.1054
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.62	21.12	0.1294
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.88	21.38	0.1374
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.52	21.02	0.1265
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.66	21.16	0.1306
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.68	21.18	0.1312
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.49	20.99	0.1256
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	24.66	20.16	0.1038
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.86	20.36	0.1086
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	24.61	20.11	0.1026
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.16	18.66	0.0735
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.34	18.84	0.0766
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.13	18.63	0.0729
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.12	16.62	0.0459
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	20.86	16.36	0.0433
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	20.67	16.17	0.0414
78	30	100	650000	3750	CP-OFDM QPSK	137@68	24.11	19.61	0.0914
78	30	100	650000	3750	CP-OFDM QPSK	1@1	24.04	19.54	0.0899
78	30	100	650000	3750	CP-OFDM QPSK	1@271	23.88	19.38	0.0867

FR1 N78 MIMO-ANT5+ANT3_SCS 30kHz

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-1.49dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	ANT5 Power (dBm)	ANT3 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	23.85	23.42	26.65	25.16	0.3281
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	22.7	22.44	25.58	24.09	0.2564
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	23.82	23.5	26.67	25.18	0.3296
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.62	22.41	25.53	24.04	0.2535
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	23.65	23.62	26.65	25.16	0.3281
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	22.59	22.62	25.62	24.13	0.2588
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	23.9	23.47	26.70	25.21	0.3319
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	22.87	22.49	25.69	24.2	0.2630
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	23.77	23.49	26.64	25.15	0.3273
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.7	22.36	25.54	24.05	0.2541
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	23.76	23.7	26.74	25.25	0.3350
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	22.59	22.55	25.58	24.09	0.2564
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	23.94	23.49	26.73	25.24	0.3342
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	22.76	22.4	25.59	24.1	0.2570
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	23.8	23.51	26.67	25.18	0.3296
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.81	22.57	25.70	24.21	0.2636
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	23.8	23.64	26.73	25.24	0.3342
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	22.85	22.65	25.76	24.27	0.2673
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	23.64	23.28	26.47	24.98	0.3148
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	22.55	22.3	25.44	23.95	0.2483
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	23.58	23.35	26.48	24.99	0.3155
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.56	22.39	25.49	24	0.2512
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	23.49	23.44	26.48	24.99	0.3155
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	22.46	22.43	25.46	23.97	0.2495
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	22.66	23.07	25.88	24.39	0.2748
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	21.96	22.29	25.14	23.65	0.2317
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	22.66	22.67	25.68	24.19	0.2624
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.06	21.96	25.02	23.53	0.2254
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	22.47	22.11	25.30	23.81	0.2404
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	21.94	21.38	24.68	23.19	0.2084
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	23.97	23.4	26.70	25.21	0.3319
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	22.88	22.42	25.67	24.18	0.2618
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	23.91	23.47	26.71	25.22	0.3327
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.89	22.51	25.71	24.22	0.2642
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	23.82	23.56	26.70	25.21	0.3319
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	22.79	22.55	25.68	24.19	0.2624
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	23.92	23.28	26.62	25.13	0.3258
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	22.71	22.15	25.45	23.96	0.2489
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	23.96	23.44	26.72	25.23	0.3334
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.84	22.42	25.65	24.16	0.2606
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	23.8	23.54	26.68	25.19	0.3304

78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	22.69	22.5	25.61	24.12	0.2582
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	23.85	23.33	26.61	25.12	0.3251
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	22.85	22.25	25.57	24.08	0.2559
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	23.92	23.38	26.67	25.18	0.3296
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.89	22.34	25.63	24.14	0.2594
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	23.8	23.41	26.62	25.13	0.3258
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	22.75	22.47	25.62	24.13	0.2588
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	23.81	23.31	26.58	25.09	0.3228
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	22.8	22.32	25.58	24.09	0.2564
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	23.91	23.47	26.71	25.22	0.3327
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.92	22.54	25.74	24.25	0.2661
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	23.75	23.38	26.58	25.09	0.3228
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	22.74	22.37	25.57	24.08	0.2559
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	23.82	23.38	26.62	25.13	0.3258
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	22.75	22.31	25.55	24.06	0.2547
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	23.9	23.46	26.70	25.21	0.3319
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.84	22.41	25.64	24.15	0.2600
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	23.88	23.47	26.69	25.2	0.3311
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	22.83	22.39	25.63	24.14	0.2594
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	23.78	23.32	26.57	25.08	0.3221
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	22.81	22.37	25.61	24.12	0.2582
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	23.87	23.42	26.66	25.17	0.3289
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.86	22.47	25.68	24.19	0.2624
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	23.95	23.57	26.77	25.28	0.3373
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	22.98	22.59	25.80	24.31	0.2698
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	23.91	23.63	26.78	25.29	0.3381
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	23.88	23.45	26.68	25.19	0.3304
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	23.71	23.71	26.72	25.23	0.3334
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	23.9	23.66	26.79	25.3	0.3388
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	23.88	23.43	26.67	25.18	0.3296
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	23.7	23.7	26.71	25.22	0.3327
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	22.94	22.66	25.81	24.32	0.2704
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	22.86	22.5	25.69	24.2	0.2630
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	22.6	22.64	25.63	24.14	0.2594
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	21.42	21.14	24.29	22.8	0.1905
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	21.42	21.03	24.24	22.75	0.1884
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	21.1	21.2	24.16	22.67	0.1849
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	19.55	19.28	22.43	20.94	0.1242
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	19.49	19.17	22.34	20.85	0.1216
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	19.36	19.38	22.38	20.89	0.1227
78	30	100	650000	3750	CP-OFDM QPSK	137@68	20.85	20.52	23.70	22.21	0.1663
78	30	100	650000	3750	CP-OFDM QPSK	1@1	22.32	21.93	25.14	23.65	0.2317
78	30	100	650000	3750	CP-OFDM QPSK	1@271	22.23	22.12	25.19	23.7	0.2344

FCC N77C SCS 30KHz

Transmitter Conducted Output Power and EIRP

Note: This device supports two Power setting cases for ULCA mode as following shows:

- (1) PCC Power all up, means Power setting, PCC(max.) +SCC (min.)
- (2) Average Power , means Power setting, PCC(avg.) +SCC (avg.)

Transmitter Conducted Output Power And EIRP, (GT - LC)=-4.5dB

<PCC Power all up>

SCS (kHz)	Bandwidth (MHz)	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	21.24	-16.72	21.24	16.74	0.0472
30	100+100	650000	656664	DFT-s BPSK	1@182	1@88	19.71	-18.62	19.71	15.21	0.0332
30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	21.2	-16.45	21.20	16.70	0.0468
30	100+100	650000	656664	DFT-s QPSK	1@182	1@88	19.72	-18.64	19.72	15.22	0.0333
30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	21.11	-16.1	21.11	16.61	0.0458
30	100+100	650000	656664	DFT-s 16 QAM	1@182	1@88	18.1	-20.01	18.10	13.60	0.0229
30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	18.93	-18.7	18.93	14.43	0.0277
30	100+100	650000	656664	DFT-s 64 QAM	1@182	1@88	17.99	-20.04	17.99	13.49	0.0223
30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	16.98	-20.44	16.98	12.48	0.0177
30	100+100	650000	656664	DFT-s 256 QAM	1@182	1@88	17.49	-20.45	17.49	12.99	0.0199
30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	20.31	-17.18	20.31	15.81	0.0381
30	100+100	650000	656664	CP-OFDM QPSK	1@182	1@88	19.19	-19.9	19.19	14.69	0.0294
30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	21.28	-16.42	21.28	16.78	0.0477
30	100+100	652668	659332	DFT-s BPSK	1@182	1@88	19.75	-18.3	19.75	15.25	0.0335
30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	21.3	-15.92	21.30	16.80	0.0479
30	100+100	652668	659332	DFT-s QPSK	1@182	1@88	19.74	-18.3	19.74	15.24	0.0334
30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	21.19	-15.73	21.19	16.69	0.0467
30	100+100	652668	659332	DFT-s 16 QAM	1@182	1@88	18.31	-19.96	18.31	13.81	0.0240
30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	18.97	-18.48	18.97	14.47	0.0280
30	100+100	652668	659332	DFT-s 64 QAM	1@182	1@88	18.14	-19.79	18.14	13.64	0.0231
30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	17.06	-18.82	17.06	12.56	0.0180
30	100+100	652668	659332	DFT-s 256 QAM	1@182	1@88	17.73	-20.54	17.73	13.23	0.0210
30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	20.27	-14.65	20.27	15.77	0.0378
30	100+100	652668	659332	CP-OFDM QPSK	1@182	1@88	18.96	-20.24	18.96	14.46	0.0279
30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	21.45	-15.54	21.45	16.95	0.0496

30	100+100	655336	662000	DFT-s BPSK	1@182	1@88	19.77	-18.93	19.77	15.27	0.0337
30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	21.39	-14.63	21.39	16.89	0.0489
30	100+100	655336	662000	DFT-s QPSK	1@182	1@88	19.81	-19.07	19.81	15.31	0.0340
30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	21.17	-14.21	21.17	16.67	0.0465
30	100+100	655336	662000	DFT-s 16 QAM	1@182	1@88	18.23	-20.38	18.23	13.73	0.0236
30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	19	-17.09	19.00	14.50	0.0282
30	100+100	655336	662000	DFT-s 64 QAM	1@182	1@88	18.11	-20.45	18.11	13.61	0.0230
30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	17.11	-19.09	17.11	12.61	0.0182
30	100+100	655336	662000	DFT-s 256 QAM	1@182	1@88	17.52	-20.8	17.52	13.02	0.0200
30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	19.09	-16.37	19.09	14.59	0.0288
30	100+100	655336	662000	CP-OFDM QPSK	1@182	1@88	19.2	-20.31	19.20	14.70	0.0295
30	100+90	650000	656328	DFT-s QPSK	144@129	108@0	21.21	-16.4	21.21	16.71	0.0469
30	100+90	650000	656328	DFT-s 16 QAM	144@129	108@0	21.27	-15.98	21.27	16.77	0.0475
30	100+90	653004	659332	DFT-s QPSK	144@129	108@0	21.34	-14.29	21.34	16.84	0.0483
30	100+90	653004	659332	DFT-s 16 QAM	144@129	108@0	21.32	-13.93	21.32	16.82	0.0481
30	100+90	656004	662332	DFT-s QPSK	144@129	108@0	21.39	-14.51	21.39	16.89	0.0489
30	100+90	656004	662332	DFT-s 16 QAM	144@129	108@0	21.42	-13.96	21.42	16.92	0.0492
30	90+100	649668	655996	DFT-s QPSK	108@137	144@0	21.25	-16.28	21.25	16.75	0.0473
30	90+100	649668	655996	DFT-s 16 QAM	108@137	144@0	21.28	-16	21.28	16.78	0.0477
30	90+100	652674	659002	DFT-s QPSK	108@137	144@0	21.33	-14.51	21.33	16.83	0.0482
30	90+100	652674	659002	DFT-s 16 QAM	108@137	144@0	21.37	-14.11	21.37	16.87	0.0487
30	90+100	655672	662000	DFT-s QPSK	108@137	144@0	21.4	-14.66	21.40	16.90	0.0490
30	90+100	655672	662000	DFT-s 16 QAM	108@137	144@0	21.43	-14.25	21.43	16.93	0.0493
30	100+80	650000	655992	DFT-s QPSK	150@123	90@0	21.27	-16.28	21.27	16.77	0.0475
30	100+80	650000	655992	DFT-s 16 QAM	150@123	90@0	21.29	-16.02	21.29	16.79	0.0478
30	100+80	653340	659332	DFT-s QPSK	150@123	90@0	21.39	-14.33	21.39	16.89	0.0489
30	100+80	653340	659332	DFT-s 16 QAM	150@123	90@0	21.44	-13.77	21.44	16.94	0.0494
30	100+80	656674	662666	DFT-s QPSK	150@123	90@0	21.43	-14.5	21.43	16.93	0.0493
30	100+80	656674	662666	DFT-s 16 QAM	150@123	90@0	21.39	-14.09	21.39	16.89	0.0489
30	80+100	649334	655326	DFT-s QPSK	96@121	144@0	21.39	-15.86	21.39	16.89	0.0489
30	80+100	649334	655326	DFT-s 16 QAM	96@121	144@0	21.28	-15.8	21.28	16.78	0.0477
30	80+100	652674	658666	DFT-s QPSK	96@121	144@0	21.4	-13.99	21.40	16.90	0.0490
30	80+100	652674	658666	DFT-s 16 QAM	96@121	144@0	21.36	-13.53	21.36	16.86	0.0485
30	80+100	656008	662000	DFT-s QPSK	96@121	144@0	21.44	-14.24	21.44	16.94	0.0494
30	80+100	656008	662000	DFT-s 16 QAM	96@121	144@0	21.37	-13.87	21.37	16.87	0.0487
30	90+90	649668	655668	DFT-s QPSK	120@125	120@0	21.38	-16.12	21.38	16.88	0.0488
30	90+90	649668	655668	DFT-s 16 QAM	120@125	120@0	21.31	-16.09	21.31	16.81	0.0480
30	90+90	653004	659004	DFT-s	120@125	120@0	21.41	-14.41	21.41	16.91	0.0491

				QPSK							
30	90+90	653004	659004	DFT-s 16 QAM	120@125	120@0	21.4	-14.03	21.40	16.90	0.0490
30	90+90	656332	662332	DFT-s QPSK	120@125	120@0	21.41	-14.68	21.41	16.91	0.0491
30	90+90	656332	662332	DFT-s 16 QAM	120@125	120@0	21.38	-14.27	21.38	16.88	0.0488
30	100+70	650000	655656	DFT-s QPSK	135@67	90@45	15.56	-22.5	15.56	11.06	0.0128
30	100+70	650000	655656	DFT-s 16 QAM	135@67	90@45	15.52	-22.45	15.52	11.02	0.0126
30	100+70	653676	659332	DFT-s QPSK	135@67	90@45	15.55	-22.6	15.55	11.05	0.0127
30	100+70	653676	659332	DFT-s 16 QAM	135@67	90@45	15.5	-22.46	15.50	11.00	0.0126
30	100+70	657334	663000	DFT-s QPSK	135@67	90@45	15.4	-23.57	15.40	10.90	0.0123
30	100+70	657334	663000	DFT-s 16 QAM	135@67	90@45	15.42	-23.52	15.42	10.92	0.0124
30	70+100	648668	654324	DFT-s QPSK	90@45	135@67	15.64	-21.6	15.64	11.14	0.0130
30	70+100	648668	654324	DFT-s 16 QAM	90@45	135@67	15.62	-21.62	15.62	11.12	0.0129
30	70+100	652506	658162	DFT-s QPSK	90@45	135@67	15.55	-21.83	15.55	11.05	0.0127
30	70+100	652506	658162	DFT-s 16 QAM	90@45	135@67	15.49	-21.71	15.49	10.99	0.0126
30	70+100	656344	662000	DFT-s QPSK	90@45	135@67	15.35	-22.64	15.35	10.85	0.0122
30	70+100	656344	662000	DFT-s 16 QAM	90@45	135@67	15.34	-22.45	15.34	10.84	0.0121
30	90+80	649668	654662	DFT-s QPSK	128@117	100@0	20.81	10.86	21.23	16.73	0.0471
30	90+80	649668	654662	DFT-s 16 QAM	128@117	100@0	20.79	10.61	21.19	16.69	0.0466
30	90+80	653340	659004	DFT-s QPSK	128@117	100@0	21.33	-14.35	21.33	16.83	0.0482
30	90+80	653340	659004	DFT-s 16 QAM	128@117	100@0	21.3	-13.96	21.30	16.80	0.0479
30	90+80	657002	662666	DFT-s QPSK	128@117	100@0	21.32	-14.62	21.32	16.82	0.0481
30	90+80	657002	662666	DFT-s 16 QAM	128@117	100@0	21.29	-14.22	21.29	16.79	0.0478
30	80+90	649334	654998	DFT-s QPSK	100@117	128@0	21.14	-16.41	21.14	16.64	0.0461
30	80+90	649334	654998	DFT-s 16 QAM	100@117	128@0	21.17	-16.14	21.17	16.67	0.0465
30	80+90	653004	658668	DFT-s QPSK	100@117	128@0	21.3	-14.58	21.30	16.80	0.0479
30	80+90	653004	658668	DFT-s 16 QAM	100@117	128@0	21.26	-14.18	21.26	16.76	0.0474
30	80+90	656668	662332	DFT-s QPSK	100@117	128@0	21.26	-14.76	21.26	16.76	0.0474
30	80+90	656668	662332	DFT-s 16 QAM	100@117	128@0	21.3	-14.32	21.30	16.80	0.0479
30	100+60	650000	655320	DFT-s QPSK	162@111	54@0	21.18	-16.76	21.18	16.68	0.0466
30	100+60	650000	655320	DFT-s 16 QAM	162@111	54@0	21.22	-16.47	21.22	16.72	0.0470
30	100+60	654006	659326	DFT-s QPSK	162@111	54@0	21.21	-15.09	21.21	16.71	0.0469
30	100+60	654006	659326	DFT-s 16 QAM	162@111	54@0	21.26	-14.56	21.26	16.76	0.0474
30	100+60	658012	663332	DFT-s QPSK	162@111	54@0	21.1	-15.45	21.10	16.60	0.0457
30	100+60	658012	663332	DFT-s 16 QAM	162@111	54@0	21.13	-14.97	21.13	16.63	0.0460
30	60+100	648668	653988	DFT-s QPSK	54@108	162@0	21.04	-15.96	21.04	16.54	0.0451
30	60+100	648668	653988	DFT-s 16 QAM	54@108	162@0	21.02	-16.2	21.02	16.52	0.0449
30	60+100	652674	657994	DFT-s QPSK	54@108	162@0	21.04	-14.5	21.04	16.54	0.0451
30	60+100	652674	657994	DFT-s 16 QAM	54@108	162@0	20.98	-13.91	20.98	16.48	0.0445

30	60+100	656680	662000	DFT-s QPSK	54@108	162@0	21.08	-13.99	21.08	16.58	0.0455
30	60+100	656680	662000	DFT-s 16 QAM	54@108	162@0	20.96	-14.15	20.96	16.46	0.0443
30	90+70	649668	654996	DFT-s QPSK	120@60	90@45	15.53	-22.35	15.53	11.03	0.0127
30	90+70	649668	654996	DFT-s 16 QAM	120@60	90@45	15.43	-22.46	15.43	10.93	0.0124
30	90+70	653670	658998	DFT-s QPSK	120@60	90@45	15.44	-22.45	15.44	10.94	0.0124
30	90+70	653670	658998	DFT-s 16 QAM	120@60	90@45	15.4	-22.62	15.40	10.90	0.0123
30	90+70	657672	663000	DFT-s QPSK	120@60	90@45	15.44	-22.6	15.44	10.94	0.0124
30	90+70	657672	663000	DFT-s 16 QAM	120@60	90@45	15.42	-22.78	15.42	10.92	0.0124
30	70+90	648668	653996	DFT-s QPSK	90@45	120@60	15.43	-21.96	15.43	10.93	0.0124
30	70+90	648668	653996	DFT-s 16 QAM	90@45	120@60	15.49	-21.95	15.49	10.99	0.0126
30	70+90	652836	658164	DFT-s QPSK	90@45	120@60	15.52	-21.88	15.52	11.02	0.0126
30	70+90	652836	658164	DFT-s 16 QAM	90@45	120@60	15.42	-22.15	15.42	10.92	0.0124
30	70+90	657004	662332	DFT-s QPSK	90@45	120@60	15.45	-22.32	15.45	10.95	0.0124
30	70+90	657004	662332	DFT-s 16 QAM	90@45	120@60	15.52	-22.29	15.52	11.02	0.0126
30	80+80	649334	654666	DFT-s QPSK	108@109	108@0	21.24	-16.32	21.24	16.74	0.0472
30	80+80	649334	654666	DFT-s 16 QAM	108@109	108@0	21.26	-16.1	21.26	16.76	0.0474
30	80+80	653334	658666	DFT-s QPSK	108@109	108@0	21.26	-14.63	21.26	16.76	0.0474
30	80+80	653334	658666	DFT-s 16 QAM	108@109	108@0	21.24	-14.2	21.24	16.74	0.0472
30	80+80	657334	662666	DFT-s QPSK	108@109	108@0	21.19	-14.94	21.19	16.69	0.0467
30	80+80	657334	662666	DFT-s 16 QAM	108@109	108@0	21.17	-14.53	21.17	16.67	0.0465
30	100+50	650000	654984	DFT-s QPSK	162@111	32@0	21.21	-16.79	21.21	16.71	0.0469
30	100+50	650000	654984	DFT-s 16 QAM	162@111	32@0	21.19	-16.61	21.19	16.69	0.0467
30	100+50	654342	659326	DFT-s QPSK	162@111	32@0	21.33	-15.02	21.33	16.83	0.0482
30	100+50	654342	659326	DFT-s 16 QAM	162@111	32@0	21.23	-15.04	21.23	16.73	0.0471
30	100+50	658682	663666	DFT-s QPSK	162@111	32@0	21.28	-14.57	21.28	16.78	0.0477
30	100+50	658682	663666	DFT-s 16 QAM	162@111	32@0	21.25	-14.7	21.25	16.75	0.0473
30	50+100	648334	653318	DFT-s QPSK	32@101	162@0	21.1	-15.99	21.10	16.60	0.0457
30	50+100	648334	653318	DFT-s 16 QAM	32@101	162@0	21.07	-15.98	21.07	16.57	0.0454
30	50+100	652680	657664	DFT-s QPSK	32@101	162@0	21.14	-15.85	21.14	16.64	0.0461
30	50+100	652680	657664	DFT-s 16 QAM	32@101	162@0	21.04	-16.05	21.04	16.54	0.0451
30	50+100	657016	662000	DFT-s QPSK	32@101	162@0	21.1	-15.75	21.10	16.60	0.0457
30	50+100	657016	662000	DFT-s 16 QAM	32@101	162@0	21.09	-15.69	21.09	16.59	0.0456
30	90+60	649668	654660	DFT-s QPSK	144@101	54@0	21.15	-16.52	21.15	16.65	0.0462
30	90+60	649668	654660	DFT-s 16 QAM	144@101	54@0	21.13	-16.57	21.13	16.63	0.0460
30	90+60	654006	658998	DFT-s QPSK	144@101	54@0	21.2	-16.49	21.20	16.70	0.0468
30	90+60	654006	658998	DFT-s 16 QAM	144@101	54@0	21.15	-16.26	21.15	16.65	0.0462
30	90+60	658340	663332	DFT-s QPSK	144@101	54@0	21.23	-16.25	21.23	16.73	0.0471
30	90+60	658340	663332	DFT-s	144@101	54@0	21.14	-16.35	21.14	16.64	0.0461

				16 QAM							
30	60+90	648668	653660	DFT-s QPSK	54@108	144@0	21.03	-16.25	21.03	16.53	0.0450
30	60+90	648668	653660	DFT-s 16 QAM	54@108	144@0	20.99	-16.28	20.99	16.49	0.0446
30	60+90	653004	657996	DFT-s QPSK	54@108	144@0	21.05	-16.2	21.05	16.55	0.0452
30	60+90	653004	657996	DFT-s 16 QAM	54@108	144@0	20.99	-16.28	20.99	16.49	0.0446
30	60+90	657340	662332	DFT-s QPSK	54@108	144@0	21.03	-15.92	21.03	16.53	0.0450
30	60+90	657340	662332	DFT-s 16 QAM	54@108	144@0	21.01	-16.01	21.01	16.51	0.0448
30	80+70	649334	654330	DFT-s QPSK	108@54	90@45	15.27	-22.32	15.27	10.77	0.0119
30	80+70	649334	654330	DFT-s 16 QAM	108@54	90@45	15.26	-22.34	15.26	10.76	0.0119
30	80+70	653670	658666	DFT-s QPSK	108@54	90@45	15.3	-22.33	15.30	10.80	0.0120
30	80+70	653670	658666	DFT-s 16 QAM	108@54	90@45	15.27	-22.28	15.27	10.77	0.0119
30	80+70	658004	663000	DFT-s QPSK	108@54	90@45	15.29	-22.27	15.29	10.79	0.0120
30	80+70	658004	663000	DFT-s 16 QAM	108@54	90@45	15.25	-22.28	15.25	10.75	0.0119
30	70+80	648668	653664	DFT-s QPSK	90@45	108@54	15.46	-22.08	15.46	10.96	0.0125
30	70+80	648668	653664	DFT-s 16 QAM	90@45	108@54	15.5	-22.04	15.50	11.00	0.0126
30	70+80	653172	658168	DFT-s QPSK	90@45	108@54	15.45	-22.1	15.45	10.95	0.0124
30	70+80	653172	658168	DFT-s 16 QAM	90@45	108@54	15.43	-22.11	15.43	10.93	0.0124
30	70+80	657670	662666	DFT-s QPSK	90@45	108@54	15.48	-22.03	15.48	10.98	0.0125
30	70+80	657670	662666	DFT-s 16 QAM	90@45	108@54	15.52	-21.97	15.52	11.02	0.0126
30	100+40	650000	654648	DFT-s QPSK	180@93	6@0	21.21	-16.95	21.21	16.71	0.0469
30	100+40	650000	654648	DFT-s 16 QAM	180@93	6@0	21.15	-17.03	21.15	16.65	0.0462
30	100+40	654678	659326	DFT-s QPSK	180@93	6@0	21.25	-16.9	21.25	16.75	0.0473
30	100+40	654678	659326	DFT-s 16 QAM	180@93	6@0	21.2	-16.9	21.20	16.70	0.0468
30	100+40	659352	664000	DFT-s QPSK	180@93	6@0	21.22	-16.61	21.22	16.72	0.0470
30	100+40	659352	664000	DFT-s 16 QAM	180@93	6@0	21.11	-16.77	21.11	16.61	0.0458
30	40+100	648000	652648	DFT-s QPSK	6@100	180@0	21.21	-15.95	21.21	16.71	0.0469
30	40+100	648000	652648	DFT-s 16 QAM	6@100	180@0	21.14	-16.06	21.14	16.64	0.0461
30	40+100	652680	657328	DFT-s QPSK	6@100	180@0	21.2	-15.99	21.20	16.70	0.0468
30	40+100	652680	657328	DFT-s 16 QAM	6@100	180@0	21.13	-16.07	21.13	16.63	0.0460
30	40+100	657352	662000	DFT-s QPSK	6@100	180@0	21.21	-15.83	21.21	16.71	0.0469
30	40+100	657352	662000	DFT-s 16 QAM	6@100	180@0	21.19	-15.85	21.19	16.69	0.0467
30	90+50	649668	654324	DFT-s QPSK	150@95	36@0	21.22	-16.66	21.22	16.72	0.0470
30	90+50	649668	654324	DFT-s 16 QAM	150@95	36@0	21.17	-16.73	21.17	16.67	0.0465
30	90+50	654342	658998	DFT-s QPSK	150@95	36@0	21.24	-16.63	21.24	16.74	0.0472
30	90+50	654342	658998	DFT-s 16 QAM	150@95	36@0	21.19	-16.68	21.19	16.69	0.0467
30	90+50	659010	663666	DFT-s QPSK	150@95	36@0	21.29	-16.27	21.29	16.79	0.0478
30	90+50	659010	663666	DFT-s 16 QAM	150@95	36@0	21.18	-16.39	21.18	16.68	0.0466
30	50+90	648334	652990	DFT-s QPSK	36@97	150@0	20.95	-15.28	20.95	16.45	0.0442

30	50+90	648334	652990	DFT-s 16 QAM	36@97	150@0	20.93	-15.31	20.93	16.43	0.0440
30	50+90	653010	657666	DFT-s QPSK	36@97	150@0	20.99	-15.28	20.99	16.49	0.0446
30	50+90	653010	657666	DFT-s 16 QAM	36@97	150@0	20.95	-15.12	20.95	16.45	0.0442
30	50+90	657676	662332	DFT-s QPSK	36@97	150@0	21.01	-15.01	21.01	16.51	0.0448
30	50+90	657676	662332	DFT-s 16 QAM	36@97	150@0	20.93	-15.11	20.93	16.43	0.0440
30	80+60	649334	653994	DFT-s QPSK	120@97	64@0	21.31	-16.62	21.31	16.81	0.0480
30	80+60	649334	653994	DFT-s 16 QAM	120@97	64@0	21.19	-16.73	21.19	16.69	0.0467
30	80+60	654006	658666	DFT-s QPSK	120@97	64@0	21.24	-16.69	21.24	16.74	0.0472
30	80+60	654006	658666	DFT-s 16 QAM	120@97	64@0	21.19	-16.74	21.19	16.69	0.0467
30	80+60	658672	663332	DFT-s QPSK	120@97	64@0	21.27	-16.31	21.27	16.77	0.0475
30	80+60	658672	663332	DFT-s 16 QAM	120@97	64@0	21.23	-16.37	21.23	16.73	0.0471
30	60+80	648668	653328	DFT-s QPSK	64@98	120@0	21.12	-16.31	21.12	16.62	0.0459
30	60+80	648668	653328	DFT-s 16 QAM	64@98	120@0	21.01	-16.38	21.01	16.51	0.0448
30	60+80	653340	658000	DFT-s QPSK	64@98	120@0	21.13	-16.25	21.13	16.63	0.0460
30	60+80	653340	658000	DFT-s 16 QAM	64@98	120@0	21.03	-16.42	21.03	16.53	0.0450
30	60+80	658006	662666	DFT-s QPSK	64@98	120@0	21.14	-16.24	21.14	16.64	0.0461
30	60+80	658006	662666	DFT-s 16 QAM	64@98	120@0	21.11	-16.29	21.11	16.61	0.0458
30	70+70	648668	653332	DFT-s QPSK	90@45	90@45	15.59	-22.13	15.59	11.09	0.0129
30	70+70	648668	653332	DFT-s 16 QAM	90@45	90@45	15.55	-22.18	15.55	11.05	0.0127
30	70+70	653502	658166	DFT-s QPSK	90@45	90@45	15.53	-22.22	15.53	11.03	0.0127
30	70+70	653502	658166	DFT-s 16 QAM	90@45	90@45	15.52	-22.2	15.52	11.02	0.0126
30	70+70	658336	663000	DFT-s QPSK	90@45	90@45	15.63	-21.95	15.63	11.13	0.0130
30	70+70	658336	663000	DFT-s 16 QAM	90@45	90@45	15.58	-22	15.58	11.08	0.0128
30	100+30	650000	654326	DFT-s QPSK	162@108	0@0	21.25	-20.62	21.25	16.75	0.0473
30	100+30	650000	654326	DFT-s 16 QAM	162@108	0@0	21.17	-20.85	21.17	16.67	0.0465
30	100+30	655008	659334	DFT-s QPSK	162@108	0@0	21.28	-19.4	21.28	16.78	0.0476
30	100+30	655008	659334	DFT-s 16 QAM	162@108	0@0	21.14	-20.87	21.14	16.64	0.0461
30	100+30	660006	664332	DFT-s QPSK	162@108	0@0	21.24	-19.5	21.24	16.74	0.0472
30	100+30	660006	664332	DFT-s 16 QAM	162@108	0@0	21.18	-19.57	21.18	16.68	0.0466
30	30+100	647668	651994	DFT-s QPSK	0@0	162@3	-19.88	21.23	21.23	16.73	0.0471
30	30+100	647668	651994	DFT-s 16 QAM	0@0	162@3	-19.833	21.26	21.26	16.76	0.0474
30	30+100	652674	657000	DFT-s QPSK	0@0	162@3	-19.24	21.24	21.24	16.74	0.0472
30	30+100	652674	657000	DFT-s 16 QAM	0@0	162@3	-20.7	21.26	21.26	16.76	0.0474
30	30+100	657674	662000	DFT-s QPSK	0@0	162@3	-20.68	21.22	21.22	16.72	0.0470
30	30+100	657674	662000	DFT-s 16 QAM	0@0	162@3	-20.6	21.25	21.25	16.75	0.0473
30	90+40	649668	653988	DFT-s QPSK	160@85	10@0	21.23	-16.92	21.23	16.73	0.0471
30	90+40	649668	653988	DFT-s 16 QAM	160@85	10@0	21.19	-17	21.19	16.69	0.0467
30	90+40	654678	658998	DFT-s	160@85	10@0	21.27	-16.8	21.27	16.77	0.0475

				QPSK							
30	90+40	654678	658998	DFT-s 16 QAM	160@85	10@0	21.16	-16.94	21.16	16.66	0.0464
30	90+40	659680	664000	DFT-s QPSK	160@85	10@0	21.24	-16.66	21.24	16.74	0.0472
30	90+40	659680	664000	DFT-s 16 QAM	160@85	10@0	21.17	-16.74	21.17	16.67	0.0465
30	40+90	648000	652320	DFT-s QPSK	20@86	150@0	21.16	-15.89	21.16	16.66	0.0464
30	40+90	648000	652320	DFT-s 16 QAM	20@86	150@0	21.12	-15.98	21.12	16.62	0.0459
30	40+90	653010	657330	DFT-s QPSK	20@86	150@0	21.16	-15.92	21.16	16.66	0.0464
30	40+90	653010	657330	DFT-s 16 QAM	20@86	150@0	21.14	-15.99	21.14	16.64	0.0461
30	40+90	658012	662332	DFT-s QPSK	20@86	150@0	21.27	-15.67	21.27	16.77	0.0475
30	40+90	658012	662332	DFT-s 16 QAM	20@86	150@0	21.23	-15.65	21.23	16.73	0.0471
30	80+50	649334	653658	DFT-s QPSK	128@89	45@0	21.27	-16.43	21.27	16.77	0.0475
30	80+50	649334	653658	DFT-s 16 QAM	128@89	45@0	21.29	-16.4	21.29	16.79	0.0478
30	80+50	654342	658666	DFT-s QPSK	128@89	45@0	21.2	-16.52	21.20	16.70	0.0468
30	80+50	654342	658666	DFT-s 16 QAM	128@89	45@0	21.23	-16.3	21.23	16.73	0.0471
30	80+50	659342	663666	DFT-s QPSK	128@89	45@0	21.21	-16.29	21.21	16.71	0.0469
30	80+50	659342	663666	DFT-s 16 QAM	128@89	45@0	21.2	-16.3	21.20	16.70	0.0468
30	50+80	648334	652658	DFT-s QPSK	45@88	128@0	21.13	-16.19	21.13	16.63	0.0460
30	50+80	648334	652658	DFT-s 16 QAM	45@88	128@0	21.15	-16.2	21.15	16.65	0.0462
30	50+80	653340	657664	DFT-s QPSK	45@88	128@0	21.18	-16.18	21.18	16.68	0.0466
30	50+80	653340	657664	DFT-s 16 QAM	45@88	128@0	21.13	-16.2	21.13	16.63	0.0460
30	50+80	658342	662666	DFT-s QPSK	45@88	128@0	21.19	-15.99	21.19	16.69	0.0467
30	50+80	658342	662666	DFT-s 16 QAM	45@88	128@0	21.15	-16.04	21.15	16.65	0.0462
30	70+60	648668	652992	DFT-s QPSK	90@45	81@40	15.54	-22.45	15.54	11.04	0.0127
30	70+60	648668	652992	DFT-s 16 QAM	90@45	81@40	15.52	-22.45	15.52	11.02	0.0126
30	70+60	653838	658162	DFT-s QPSK	90@45	81@40	15.5	-22.45	15.50	11.00	0.0126
30	70+60	653838	658162	DFT-s 16 QAM	90@45	81@40	15.52	-22.44	15.52	11.02	0.0126
30	70+60	659008	663332	DFT-s QPSK	90@45	81@40	15.49	-22.41	15.49	10.99	0.0126
30	70+60	659008	663332	DFT-s 16 QAM	90@45	81@40	15.54	-22.36	15.54	11.04	0.0127
30	60+70	648668	652992	DFT-s QPSK	81@40	90@45	15.46	-22.17	15.46	10.96	0.0125
30	60+70	648668	652992	DFT-s 16 QAM	81@40	90@45	15.42	-22.13	15.42	10.92	0.0124
30	60+70	653676	658000	DFT-s QPSK	81@40	90@45	15.45	-22.16	15.45	10.95	0.0124
30	60+70	653676	658000	DFT-s 16 QAM	81@40	90@45	15.41	-22.18	15.41	10.91	0.0123
30	60+70	658676	663000	DFT-s QPSK	81@40	90@45	15.5	-22.07	15.50	11.00	0.0126
30	60+70	658676	663000	DFT-s 16 QAM	81@40	90@45	15.4	-22.15	15.40	10.90	0.0123
30	100+25	650000	654160	DFT-s QPSK	162@95	0@0	21.23	-22.06	21.23	16.73	0.0471
30	100+25	650000	654160	DFT-s 16 QAM	162@95	0@0	21.2	-22.1	21.20	16.70	0.0468
30	100+25	655170	659330	DFT-s QPSK	162@95	0@0	21.25	-21.97	21.25	16.75	0.0473
30	100+25	655170	659330	DFT-s 16 QAM	162@95	0@0	21.29	-20.75	21.29	16.79	0.0478

30	100+25	660304	664500	DFT-s QPSK	162@95	0@0	21.21	-20.95	21.21	16.71	0.0469
30	100+25	660304	664500	DFT-s 16 QAM	162@95	0@0	21.3	-20.71	21.30	16.80	0.0479
30	25+100	647500	651660	DFT-s QPSK	0@0	162@16	-21	21.27	21.27	16.77	0.0475
30	25+100	647500	651660	DFT-s 16 QAM	0@0	162@16	-21.06	21.26	21.26	16.76	0.0474
30	25+100	652674	656834	DFT-s QPSK	0@0	162@16	-21.01	21.28	21.28	16.78	0.0476
30	25+100	652674	656834	DFT-s 16 QAM	0@0	162@16	-21.72	21.31	21.31	16.81	0.0480
30	25+100	657840	662000	DFT-s QPSK	0@0	162@16	-21.76	21.27	21.27	16.77	0.0475
30	25+100	657840	662000	DFT-s 16 QAM	0@0	162@16	-21.82	21.28	21.28	16.78	0.0476
30	100+20	650000	653996	DFT-s QPSK	162@81	0@0	21.27	-24.1	21.27	16.77	0.0475
30	100+20	650000	653996	DFT-s 16 QAM	162@81	0@0	21.16	-24.34	21.16	16.66	0.0463
30	100+20	655338	659334	DFT-s QPSK	162@81	0@0	21.28	-23.97	21.28	16.78	0.0476
30	100+20	655338	659334	DFT-s 16 QAM	162@81	0@0	21.19	-24.19	21.19	16.69	0.0467
30	100+20	660670	664666	DFT-s QPSK	162@81	0@0	21.28	-22.7	21.28	16.78	0.0476
30	100+20	660670	664666	DFT-s 16 QAM	162@81	0@0	21.23	-22.83	21.23	16.73	0.0471
30	20+100	647334	651330	DFT-s QPSK	0@0	162@30	-23.65	21.26	21.26	16.76	0.0474
30	20+100	647334	651330	DFT-s 16 QAM	0@0	162@30	-23.73	21.2	21.20	16.70	0.0468
30	20+100	652674	656670	DFT-s QPSK	0@0	162@30	-23.57	21.31	21.31	16.81	0.0480
30	20+100	652674	656670	DFT-s 16 QAM	0@0	162@30	-23.56	21.25	21.25	16.75	0.0473
30	20+100	658004	662000	DFT-s QPSK	0@0	162@30	-23.52	21.26	21.26	16.76	0.0474
30	20+100	658004	662000	DFT-s 16 QAM	0@0	162@30	-23.45	21.32	21.32	16.82	0.0481
30	90+30	649668	653660	DFT-s QPSK	160@83	0@0	21.33	-20.92	21.33	16.83	0.0482
30	90+30	649668	653660	DFT-s 16 QAM	160@83	0@0	21.28	-21.06	21.28	16.78	0.0476
30	90+30	655008	659000	DFT-s QPSK	160@83	0@0	21.3	-20.94	21.30	16.80	0.0479
30	90+30	655008	659000	DFT-s 16 QAM	160@83	0@0	21.25	-21.06	21.25	16.75	0.0473
30	90+30	660340	664332	DFT-s QPSK	160@83	0@0	21.36	-19.67	21.36	16.86	0.0485
30	90+30	660340	664332	DFT-s 16 QAM	160@83	0@0	21.3	-19.81	21.30	16.80	0.0479
30	30+90	647668	651660	DFT-s QPSK	0@0	160@2	-20.69	21.3	21.30	16.80	0.0479
30	30+90	647668	651660	DFT-s 16 QAM	0@0	160@2	-20.67	21.32	21.32	16.82	0.0481
30	30+90	653004	656996	DFT-s QPSK	0@0	160@2	-20.68	21.3	21.30	16.80	0.0479
30	30+90	653004	656996	DFT-s 16 QAM	0@0	160@2	-20.72	21.27	21.27	16.77	0.0475
30	30+90	658340	662332	DFT-s QPSK	0@0	160@2	-19.95	21.31	21.31	16.81	0.0480
30	30+90	658340	662332	DFT-s 16 QAM	0@0	160@2	-19.95	21.3	21.30	16.80	0.0479
30	80+40	649334	653322	DFT-s QPSK	135@82	24@0	21.38	-15.94	21.38	16.88	0.0488
30	80+40	649334	653322	DFT-s 16 QAM	135@82	24@0	21.34	-15.57	21.34	16.84	0.0483
30	80+40	654678	658666	DFT-s QPSK	135@82	24@0	21.31	-14.56	21.31	16.81	0.0480
30	80+40	654678	658666	DFT-s 16 QAM	135@82	24@0	21.24	-14.03	21.24	16.74	0.0472
30	80+40	660012	664000	DFT-s QPSK	135@82	24@0	21.21	-15.26	21.21	16.71	0.0469
30	80+40	660012	664000	DFT-s	135@82	24@0	21.08	-15.29	21.08	16.58	0.0455

				16 QAM							
30	40+80	648000	651988	DFT-s QPSK	25@81	135@0	21.38	-15.75	21.38	16.88	0.0488
30	40+80	648000	651988	DFT-s 16 QAM	25@81	135@0	21.21	-15.78	21.21	16.71	0.0469
30	40+80	653340	657328	DFT-s QPSK	25@81	135@0	21.31	-14.18	21.31	16.81	0.0480
30	40+80	653340	657328	DFT-s 16 QAM	25@81	135@0	21.18	-14.16	21.18	16.68	0.0466
30	40+80	658678	662666	DFT-s QPSK	25@81	135@0	21.01	-14.97	21.01	16.51	0.0448
30	40+80	658678	662666	DFT-s 16 QAM	25@81	135@0	20.89	-14.98	20.89	16.39	0.0436
30	70+50	648668	652660	DFT-s QPSK	90@45	64@32	15.42	-22.85	15.42	10.92	0.0124
30	70+50	648668	652660	DFT-s 16 QAM	90@45	64@32	15.31	-22.88	15.31	10.81	0.0121
30	70+50	654174	658166	DFT-s QPSK	90@45	64@32	15.56	-22.62	15.56	11.06	0.0128
30	70+50	654174	658166	DFT-s 16 QAM	90@45	64@32	15.47	-22.62	15.47	10.97	0.0125
30	70+50	659674	663666	DFT-s QPSK	90@45	64@32	15.3	-22.83	15.30	10.80	0.0120
30	70+50	659674	663666	DFT-s 16 QAM	90@45	64@32	15.21	-22.81	15.21	10.71	0.0118
30	50+70	648334	652326	DFT-s QPSK	64@32	90@45	15.52	-22.06	15.52	11.02	0.0126
30	50+70	648334	652326	DFT-s 16 QAM	64@32	90@45	15.43	-22.04	15.43	10.93	0.0124
30	50+70	653676	657668	DFT-s QPSK	64@32	90@45	15.52	-22.09	15.52	11.02	0.0126
30	50+70	653676	657668	DFT-s 16 QAM	64@32	90@45	15.45	-22.05	15.45	10.95	0.0124
30	50+70	659008	663000	DFT-s QPSK	64@32	90@45	15.36	-22.26	15.36	10.86	0.0122
30	50+70	659008	663000	DFT-s 16 QAM	64@32	90@45	15.24	-22.29	15.24	10.74	0.0119
30	60+60	648668	652668	DFT-s QPSK	81@81	81@0	21.26	-16.2	21.26	16.76	0.0474
30	60+60	648668	652668	DFT-s 16 QAM	81@81	81@0	21.07	-16.31	21.07	16.57	0.0454
30	60+60	654000	658000	DFT-s QPSK	81@81	81@0	21.2	-14.8	21.20	16.70	0.0468
30	60+60	654000	658000	DFT-s 16 QAM	81@81	81@0	21.11	-14.76	21.11	16.61	0.0458
30	60+60	659332	663332	DFT-s QPSK	81@81	81@0	20.95	-15.68	20.95	16.45	0.0442
30	60+60	659332	663332	DFT-s 16 QAM	81@81	81@0	20.82	-15.7	20.82	16.32	0.0429
30	100+15	650000	653808	DFT-s QPSK	150@86	0@0	21.34	-23.54	21.34	16.84	0.0483
30	100+15	650000	653808	DFT-s 16 QAM	150@86	0@0	21.19	-23.58	21.19	16.69	0.0467
30	100+15	655512	659320	DFT-s QPSK	150@86	0@0	21.32	-20.75	21.32	16.82	0.0481
30	100+15	655512	659320	DFT-s 16 QAM	150@86	0@0	21.16	-20.86	21.16	16.66	0.0463
30	100+15	661024	664832	DFT-s QPSK	150@86	0@0	21.12	-22.42	21.12	16.62	0.0459
30	100+15	661024	664832	DFT-s 16 QAM	150@86	0@0	20.98	-22.46	20.98	16.48	0.0445
30	15+100	647168	650976	DFT-s QPSK	0@0	150@37	-23.4	21.32	21.32	16.82	0.0481
30	15+100	647168	650976	DFT-s 16 QAM	0@0	150@37	-23.47	21.21	21.21	16.71	0.0469
30	15+100	652680	656488	DFT-s QPSK	0@0	150@37	-19.48	21.3	21.30	16.80	0.0479
30	15+100	652680	656488	DFT-s 16 QAM	0@0	150@37	-19.5	21.19	21.19	16.69	0.0467
30	15+100	658192	662000	DFT-s QPSK	0@0	150@37	-21.86	21.14	21.14	16.64	0.0461
30	15+100	658192	662000	DFT-s 16 QAM	0@0	150@37	-21.98	21.08	21.08	16.58	0.0455
30	90+25	649668	653492	DFT-s QPSK	150@85	0@0	21.32	-20.57	21.32	16.82	0.0481

30	90+25	649668	653492	DFT-s 16 QAM	150@85	0@0	21.18	-20.64	21.18	16.68	0.0466
30	90+25	655176	659000	DFT-s QPSK	150@85	0@0	21.34	-17.29	21.34	16.84	0.0483
30	90+25	655176	659000	DFT-s 16 QAM	150@85	0@0	21.22	-17.34	21.22	16.72	0.0470
30	90+25	660676	664500	DFT-s QPSK	150@85	0@0	21.15	-19.24	21.15	16.65	0.0462
30	90+25	660676	664500	DFT-s 16 QAM	150@85	0@0	21.09	-19.15	21.09	16.59	0.0456
30	25+90	647500	651324	DFT-s QPSK	0@0	150@10	-20.26	21.39	21.39	16.89	0.0489
30	25+90	647500	651324	DFT-s 16 QAM	0@0	150@10	-20.28	21.3	21.30	16.80	0.0479
30	25+90	653004	656828	DFT-s QPSK	0@0	150@10	-16.32	21.28	21.28	16.78	0.0477
30	25+90	653004	656828	DFT-s 16 QAM	0@0	150@10	-16.18	21.25	21.25	16.75	0.0473
30	25+90	658508	662332	DFT-s QPSK	0@0	150@10	-18.37	21.09	21.09	16.59	0.0456
30	25+90	658508	662332	DFT-s 16 QAM	0@0	150@10	-18.74	21	21.00	16.50	0.0447
30	100+10	650000	653640	DFT-s QPSK	144@81	0@0	21.28	-25.75	21.28	16.78	0.0476
30	100+10	650000	653640	DFT-s 16 QAM	144@81	0@0	21.21	-25.58	21.21	16.71	0.0469
30	100+10	655680	659320	DFT-s QPSK	144@81	0@0	21.31	-23.1	21.31	16.81	0.0480
30	100+10	655680	659320	DFT-s 16 QAM	144@81	0@0	21.22	-22.91	21.22	16.72	0.0470
30	100+10	661360	665000	DFT-s QPSK	144@81	0@0	21.09	-24.67	21.09	16.59	0.0456
30	100+10	661360	665000	DFT-s 16 QAM	144@81	0@0	21.03	-24.58	21.03	16.53	0.0450
30	10+100	647000	650640	DFT-s QPSK	0@0	144@48	-25.57	21.29	21.29	16.79	0.0478
30	10+100	647000	650640	DFT-s 16 QAM	0@0	144@48	-25.58	21.18	21.18	16.68	0.0466
30	10+100	652680	656320	DFT-s QPSK	0@0	144@48	-21.86	21.26	21.26	16.76	0.0474
30	10+100	652680	656320	DFT-s 16 QAM	0@0	144@48	-21.85	21.17	21.17	16.67	0.0465
30	10+100	658360	662000	DFT-s QPSK	0@0	144@48	-24.23	21.12	21.12	16.62	0.0459
30	10+100	658360	662000	DFT-s 16 QAM	0@0	144@48	-24.24	21.09	21.09	16.59	0.0456
30	90+20	649668	653328	DFT-s QPSK	144@80	0@0	21.3	-21.64	21.30	16.80	0.0479
30	90+20	649668	653328	DFT-s 16 QAM	144@80	0@0	21.18	-21.7	21.18	16.68	0.0466
30	90+20	655338	658998	DFT-s QPSK	144@80	0@0	21.31	-18.56	21.31	16.81	0.0480
30	90+20	655338	658998	DFT-s 16 QAM	144@80	0@0	21.19	-18.7	21.19	16.69	0.0467
30	90+20	661006	664666	DFT-s QPSK	144@80	0@0	21.15	-20.26	21.15	16.65	0.0462
30	90+20	661006	664666	DFT-s 16 QAM	144@80	0@0	21.09	-20.41	21.09	16.59	0.0456
30	20+90	647334	650994	DFT-s QPSK	0@0	144@21	-21.74	21.19	21.19	16.69	0.0467
30	20+90	647334	650994	DFT-s 16 QAM	0@0	144@21	-21.7	21.1	21.10	16.60	0.0457
30	20+90	653004	656664	DFT-s QPSK	0@0	144@21	-17.43	21.29	21.29	16.79	0.0478
30	20+90	653004	656664	DFT-s 16 QAM	0@0	144@21	-17.45	21.15	21.15	16.65	0.0462
30	20+90	658672	662332	DFT-s QPSK	0@0	144@21	-19.91	21.08	21.08	16.58	0.0455
30	20+90	658672	662332	DFT-s 16 QAM	0@0	144@21	-19.92	20.98	20.98	16.48	0.0445
30	80+30	649334	652990	DFT-s QPSK	144@73	2@0	21.26	-16.94	21.26	16.76	0.0474
30	80+30	649334	652990	DFT-s 16 QAM	144@73	2@0	21.13	-17.05	21.13	16.63	0.0460
30	80+30	655008	658664	DFT-s	144@73	2@0	21.25	-14.97	21.25	16.75	0.0473

				QPSK							
30	80+30	655008	658664	DFT-s 16 QAM	144@73	2@0	21.2	-14.91	21.20	16.70	0.0468
30	80+30	660676	664332	DFT-s QPSK	144@73	2@0	21.15	-15.8	21.15	16.65	0.0462
30	80+30	660676	664332	DFT-s 16 QAM	144@73	2@0	21.03	-15.8	21.03	16.53	0.0450
30	30+80	647668	651324	DFT-s QPSK	3@74	144@0	19.24	-18.19	19.24	14.74	0.0298
30	30+80	647668	651324	DFT-s 16 QAM	3@74	144@0	19.17	-18.17	19.17	14.67	0.0293
30	30+80	653340	656996	DFT-s QPSK	3@74	144@0	19.37	-18.22	19.37	14.87	0.0307
30	30+80	653340	656996	DFT-s 16 QAM	3@74	144@0	19.28	-18.2	19.28	14.78	0.0301
30	30+80	659010	662666	DFT-s QPSK	3@74	144@0	19.08	-18.33	19.08	14.58	0.0287
30	30+80	659010	662666	DFT-s 16 QAM	3@74	144@0	19.01	-18.3	19.01	14.51	0.0283
30	70+40	648668	652324	DFT-s QPSK	90@45	50@25	15.49	-22.71	15.49	10.99	0.0126
30	70+40	648668	652324	DFT-s 16 QAM	90@45	50@25	15.41	-22.74	15.41	10.91	0.0123
30	70+40	654510	658166	DFT-s QPSK	90@45	50@25	15.51	-22.94	15.51	11.01	0.0126
30	70+40	654510	658166	DFT-s 16 QAM	90@45	50@25	15.42	-22.92	15.42	10.92	0.0124
30	70+40	660344	664000	DFT-s QPSK	90@45	50@25	15.27	-23.07	15.27	10.77	0.0119
30	70+40	660344	664000	DFT-s 16 QAM	90@45	50@25	15.16	-23.09	15.16	10.66	0.0116
30	40+70	648000	651656	DFT-s QPSK	50@25	90@45	15.4	-22.01	15.40	10.90	0.0123
30	40+70	648000	651656	DFT-s 16 QAM	50@25	90@45	15.34	-22.07	15.34	10.84	0.0121
30	40+70	653676	657332	DFT-s QPSK	50@25	90@45	15.49	-22.28	15.49	10.99	0.0126
30	40+70	653676	657332	DFT-s 16 QAM	50@25	90@45	15.38	-22.28	15.38	10.88	0.0122
30	40+70	659344	663000	DFT-s QPSK	50@25	90@45	15.25	-22.41	15.25	10.75	0.0119
30	40+70	659344	663000	DFT-s 16 QAM	50@25	90@45	15.16	-22.45	15.16	10.66	0.0116
30	60+50	648668	652320	DFT-s QPSK	81@81	60@0	21.11	-16.54	21.11	16.61	0.0458
30	60+50	648668	652320	DFT-s 16 QAM	81@81	60@0	21	-16.51	21.00	16.50	0.0447
30	60+50	654342	657994	DFT-s QPSK	81@81	60@0	21.13	-14.85	21.13	16.63	0.0460
30	60+50	654342	657994	DFT-s 16 QAM	81@81	60@0	21.09	-14.77	21.09	16.59	0.0456
30	60+50	660014	663666	DFT-s QPSK	81@81	60@0	21	-15.6	21.00	16.50	0.0447
30	60+50	660014	663666	DFT-s 16 QAM	81@81	60@0	20.91	-15.65	20.91	16.41	0.0438
30	50+60	648334	651986	DFT-s QPSK	60@73	81@0	21.14	-16.39	21.14	16.64	0.0461
30	50+60	648334	651986	DFT-s 16 QAM	60@73	81@0	21.07	-16.34	21.07	16.57	0.0454
30	50+60	654012	657664	DFT-s QPSK	60@73	81@0	21.24	-14.49	21.24	16.74	0.0472
30	50+60	654012	657664	DFT-s 16 QAM	60@73	81@0	21.17	-14.35	21.17	16.67	0.0465
30	50+60	659680	663332	DFT-s QPSK	60@73	81@0	21	-15.32	21.00	16.50	0.0447
30	50+60	659680	663332	DFT-s 16 QAM	60@73	81@0	20.88	-15.3	20.88	16.38	0.0435
30	90+15	649668	653140	DFT-s QPSK	120@60	18@9	15.41	-23.52	15.41	10.91	0.0123
30	90+15	649668	653140	DFT-s 16 QAM	120@60	18@9	15.37	-23.36	15.37	10.87	0.0122
30	90+15	655518	658990	DFT-s QPSK	120@60	18@9	15.44	-23.37	15.44	10.94	0.0124
30	90+15	655518	658990	DFT-s 16 QAM	120@60	18@9	15.37	-23.36	15.37	10.87	0.0122

30	90+15	661360	664832	DFT-s QPSK	120@60	18@9	15.24	-23.57	15.24	10.74	0.0119
30	90+15	661360	664832	DFT-s 16 QAM	120@60	18@9	15.12	-23.59	15.12	10.62	0.0115
30	15+90	647168	650640	DFT-s QPSK	0@0	135@30	-25.2	21.3	21.30	16.80	0.0479
30	15+90	647168	650640	DFT-s 16 QAM	0@0	135@30	-25.3	21.22	21.22	16.72	0.0470
30	15+90	653016	656488	DFT-s QPSK	0@0	135@30	-19.3	21.25	21.25	16.75	0.0473
30	15+90	653016	656488	DFT-s 16 QAM	0@0	135@30	-19.27	21.14	21.14	16.64	0.0461
30	15+90	658860	662332	DFT-s QPSK	0@0	135@30	-21.79	21.09	21.09	16.59	0.0456
30	15+90	658860	662332	DFT-s 16 QAM	0@0	135@30	-21.83	21	21.00	16.50	0.0447
30	80+25	649334	652822	DFT-s QPSK	108@54	32@16	15.55	-23.11	15.55	11.05	0.0127
30	80+25	649334	652822	DFT-s 16 QAM	108@54	32@16	15.44	-23.03	15.44	10.94	0.0124
30	80+25	655176	658664	DFT-s QPSK	108@54	32@16	15.5	-23.12	15.50	11.00	0.0126
30	80+25	655176	658664	DFT-s 16 QAM	108@54	32@16	15.39	-23.13	15.39	10.89	0.0123
30	80+25	661012	664500	DFT-s QPSK	108@54	32@16	15.27	-23.31	15.27	10.77	0.0119
30	80+25	661012	664500	DFT-s 16 QAM	108@54	32@16	15.15	-23.3	15.15	10.65	0.0116
30	25+80	647500	650988	DFT-s QPSK	0@0	135@3	-19.78	21.3	21.30	16.80	0.0479
30	25+80	647500	650988	DFT-s 16 QAM	0@0	135@3	-19.67	21.24	21.24	16.74	0.0472
30	25+80	653340	656828	DFT-s QPSK	0@0	135@3	-15.56	21.31	21.31	16.81	0.0480
30	25+80	653340	656828	DFT-s 16 QAM	0@0	135@3	-15.57	21.2	21.20	16.70	0.0468
30	25+80	659178	662666	DFT-s QPSK	0@0	135@3	-18.46	21.15	21.15	16.65	0.0462
30	25+80	659178	662666	DFT-s 16 QAM	0@0	135@3	-18.37	21.03	21.03	16.53	0.0450

<Average Power>

SCS (kHz)	Bandwidth (MHz)	PCC Arfcn	SCC Arfcn	Modulation	PCC RB	SCC RB	PCC Power(dBm)	SCC Power(dBm)	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	18.8	17.41	21.17	16.67	0.0465
30	100+100	650000	656664	DFT-s BPSK	1@182	1@88	16.42	15.33	18.92	14.42	0.0277
30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	18.83	17.36	21.17	16.67	0.0464
30	100+100	650000	656664	DFT-s QPSK	1@182	1@88	16.4	15.27	18.88	14.38	0.0274
30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	18.74	17.31	21.09	16.59	0.0456
30	100+100	650000	656664	DFT-s 16 QAM	1@182	1@88	15.74	13.88	17.92	13.42	0.0220
30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	16.05	15.65	18.86	14.36	0.0273
30	100+100	650000	656664	DFT-s 64 QAM	1@182	1@88	15.63	13.76	17.81	13.31	0.0214
30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	14.02	12.96	16.53	12.03	0.0160
30	100+100	650000	656664	DFT-s 256 QAM	1@182	1@88	15.81	12.48	17.47	12.97	0.0198
30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	16.89	17.41	20.17	15.67	0.0369
30	100+100	650000	656664	CP-OFDM QPSK	1@182	1@88	16.76	14.82	18.91	14.41	0.0276
30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	19.11	17.55	21.41	16.91	0.0491
30	100+100	652668	659332	DFT-s BPSK	1@182	1@88	17.6	15.3	19.61	15.11	0.0324
30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	19.14	17.56	21.43	16.93	0.0493
30	100+100	652668	659332	DFT-s QPSK	1@182	1@88	17.58	15.28	19.59	15.09	0.0323
30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	19.04	17.28	21.26	16.76	0.0474
30	100+100	652668	659332	DFT-s 16 QAM	1@182	1@88	15.84	15.04	18.47	13.97	0.0249
30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	16.13	15.51	18.84	14.34	0.0272
30	100+100	652668	659332	DFT-s 64 QAM	1@182	1@88	15.33	15.15	18.25	13.75	0.0237
30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	14.15	13.61	16.90	12.40	0.0174
30	100+100	652668	659332	DFT-s 256 QAM	1@182	1@88	15.85	12.25	17.42	12.92	0.0196
30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	17.96	16.14	20.15	15.65	0.0368
30	100+100	652668	659332	CP-OFDM QPSK	1@182	1@88	16.89	14.58	18.90	14.40	0.0275
30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	19.08	17.19	21.25	16.75	0.0473
30	100+100	655336	662000	DFT-s BPSK	1@182	1@88	17.58	15.2	19.56	15.06	0.0321
30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	19.04	17.15	21.21	16.71	0.0469
30	100+100	655336	662000	DFT-s QPSK	1@182	1@88	17.62	15.1	19.55	15.05	0.0320
30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	19.01	17.11	21.17	16.67	0.0465
30	100+100	655336	662000	DFT-s 16 QAM	1@182	1@88	15.99	13.58	17.96	13.46	0.0222
30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	16.07	15.3	18.71	14.21	0.0264
30	100+100	655336	662000	DFT-s 64 QAM	1@182	1@88	15.86	13.41	17.82	13.32	0.0215
30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	14.23	13.47	16.88	12.38	0.0173
30	100+100	655336	662000	DFT-s 256 QAM	1@182	1@88	15.93	12.06	17.42	12.92	0.0196
30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	16.23	15.34	18.82	14.32	0.0270

30	100+100	655336	662000	CP-OFDM QPSK	1@182	1@88	17.95	12.25	18.99	14.49	0.0281
30	100+90	650000	656328	DFT-s QPSK	144@129	108@0	19.18	17.04	21.25	16.75	0.0473
30	100+90	650000	656328	DFT-s 16 QAM	144@129	108@0	19.11	16.99	21.19	16.69	0.0466
30	100+90	653004	659332	DFT-s QPSK	144@129	108@0	19.28	16.88	21.25	16.75	0.0474
30	100+90	653004	659332	DFT-s 16 QAM	144@129	108@0	19.3	16.89	21.27	16.77	0.0475
30	100+90	656004	662332	DFT-s QPSK	144@129	108@0	19.32	16.77	21.24	16.74	0.0472
30	100+90	656004	662332	DFT-s 16 QAM	108@137	144@0	19.3	16.77	21.23	16.73	0.0471
30	90+100	649668	655996	DFT-s QPSK	108@137	144@0	19.11	17.14	21.25	16.75	0.0473
30	90+100	649668	655996	DFT-s 16 QAM	108@137	144@0	19.1	17.16	21.25	16.75	0.0473
30	90+100	652674	659002	DFT-s QPSK	108@137	144@0	18.99	17.27	21.22	16.72	0.0470
30	90+100	652674	659002	DFT-s 16 QAM	108@137	144@0	19.11	17.36	21.33	16.83	0.0482
30	90+100	655672	662000	DFT-s QPSK	108@137	144@0	19.13	17.22	21.29	16.79	0.0477
30	90+100	655672	662000	DFT-s 16 QAM	108@137	144@0	19.06	17.14	21.22	16.72	0.0469
30	100+80	650000	655992	DFT-s QPSK	150@123	90@0	19.53	16.35	21.24	16.74	0.0472
30	100+80	650000	655992	DFT-s 16 QAM	150@123	90@0	19.61	16.41	21.31	16.81	0.0480
30	100+80	653340	659332	DFT-s QPSK	150@123	90@0	19.68	16.21	21.29	16.79	0.0478
30	100+80	653340	659332	DFT-s 16 QAM	150@123	90@0	19.66	16.19	21.27	16.77	0.0476
30	100+80	656674	662666	DFT-s QPSK	150@123	90@0	19.66	16.12	21.25	16.75	0.0473
30	100+80	656674	662666	DFT-s 16 QAM	150@123	90@0	19.61	16.05	21.20	16.70	0.0467
30	80+100	649334	655326	DFT-s QPSK	96@121	144@0	19.62	16.28	21.27	16.77	0.0476
30	80+100	649334	655326	DFT-s 16 QAM	96@121	144@0	19.62	16.31	21.28	16.78	0.0477
30	80+100	652674	658666	DFT-s QPSK	96@121	144@0	19.76	16.26	21.36	16.86	0.0486
30	80+100	652674	658666	DFT-s 16 QAM	96@121	144@0	19.74	16.2	21.33	16.83	0.0482
30	80+100	656008	662000	DFT-s QPSK	96@121	144@0	19.79	16.05	21.32	16.82	0.0481
30	80+100	656008	662000	DFT-s 16 QAM	96@121	144@0	19.77	16	21.29	16.79	0.0478
30	90+90	649668	655668	DFT-s QPSK	120@125	120@0	19.59	16.33	21.27	16.77	0.0475
30	90+90	649668	655668	DFT-s 16 QAM	120@125	120@0	19.65	16.36	21.32	16.82	0.0481
30	90+90	653004	659004	DFT-s QPSK	120@125	120@0	19.66	16.16	21.26	16.76	0.0475
30	90+90	653004	659004	DFT-s 16 QAM	120@125	120@0	19.66	16.12	21.25	16.75	0.0473
30	90+90	656332	662332	DFT-s QPSK	120@125	120@0	19.78	16.14	21.34	16.84	0.0483
30	90+90	656332	662332	DFT-s 16 QAM	120@125	120@0	19.76	16.1	21.31	16.81	0.0480
30	100+70	650000	655656	DFT-s QPSK	135@67	90@45	13.3	11.23	15.40	10.90	0.0123
30	100+70	650000	655656	DFT-s 16 QAM	135@67	90@45	13.33	11.29	15.44	10.94	0.0124
30	100+70	653676	659332	DFT-s QPSK	135@67	90@45	13.35	10.84	15.28	10.78	0.0120
30	100+70	653676	659332	DFT-s 16 QAM	135@67	90@45	13.35	10.83	15.28	10.78	0.0120
30	100+70	657334	663000	DFT-s QPSK	135@67	90@45	13.69	10.11	15.27	10.77	0.0119
30	100+70	657334	663000	DFT-s 16 QAM	135@67	90@45	13.71	10.13	15.29	10.79	0.0120
30	70+100	648668	654324	DFT-s	90@45	135@67	13.77	10.78	15.54	11.04	0.0127

				QPSK							
30	70+100	648668	654324	DFT-s 16 QAM	90@45	135@67	13.69	10.73	15.47	10.97	0.0125
30	70+100	652506	658162	DFT-s QPSK	90@45	135@67	13.74	10.45	15.41	10.91	0.0123
30	70+100	652506	658162	DFT-s 16 QAM	90@45	135@67	13.67	10.47	15.37	10.87	0.0122
30	70+100	656344	662000	DFT-s QPSK	90@45	135@67	13.21	11.18	15.32	10.82	0.0121
30	70+100	656344	662000	DFT-s 16 QAM	90@45	135@67	13.18	11.15	15.29	10.79	0.0120
30	90+80	649668	654662	DFT-s QPSK	128@117	100@0	18.69	17.43	21.12	16.62	0.0459
30	90+80	649668	654662	DFT-s 16 QAM	128@117	100@0	18.71	17.5	21.16	16.66	0.0463
30	90+80	653340	659004	DFT-s QPSK	128@117	100@0	18.95	17.38	21.25	16.75	0.0473
30	90+80	653340	659004	DFT-s 16 QAM	128@117	100@0	18.94	17.38	21.24	16.74	0.0472
30	90+80	657002	662666	DFT-s QPSK	128@117	100@0	18.68	17.08	20.96	16.46	0.0443
30	90+80	657002	662666	DFT-s 16 QAM	128@117	100@0	18.9	17.31	21.19	16.69	0.0466
30	80+90	649334	654998	DFT-s QPSK	100@117	128@0	17.86	17.69	20.79	16.29	0.0425
30	80+90	649334	654998	DFT-s 16 QAM	100@117	128@0	17.85	17.68	20.78	16.28	0.0424
30	80+90	653004	658668	DFT-s QPSK	100@117	128@0	18.99	17.15	21.18	16.68	0.0465
30	80+90	653004	658668	DFT-s 16 QAM	100@117	128@0	19.01	17.14	21.19	16.69	0.0466
30	80+90	656668	662332	DFT-s QPSK	100@117	128@0	18.77	17.3	21.11	16.61	0.0458
30	80+90	656668	662332	DFT-s 16 QAM	100@117	128@0	18.84	17.35	21.17	16.67	0.0464
30	100+60	650000	655320	DFT-s QPSK	162@111	54@0	17.93	16.86	20.44	15.94	0.0392
30	100+60	650000	655320	DFT-s 16 QAM	162@111	54@0	17.99	16.92	20.50	16.00	0.0398
30	100+60	654006	659326	DFT-s QPSK	162@111	54@0	17.98	16.81	20.44	15.94	0.0393
30	100+60	654006	659326	DFT-s 16 QAM	162@111	54@0	18.03	16.86	20.49	15.99	0.0398
30	100+60	658012	663332	DFT-s QPSK	162@111	54@0	17.94	16.65	20.35	15.85	0.0385
30	100+60	658012	663332	DFT-s 16 QAM	162@111	54@0	17.95	16.66	20.36	15.86	0.0386
30	60+100	648668	653988	DFT-s QPSK	54@108	162@0	18.04	18.22	21.14	16.64	0.0461
30	60+100	648668	653988	DFT-s 16 QAM	54@108	162@0	19.05	16.88	21.11	16.61	0.0458
30	60+100	652674	657994	DFT-s QPSK	54@108	162@0	19.01	16.7	21.02	16.52	0.0448
30	60+100	652674	657994	DFT-s 16 QAM	54@108	162@0	19.01	16.75	21.04	16.54	0.0450
30	60+100	656680	662000	DFT-s QPSK	54@108	162@0	19.12	16.64	21.06	16.56	0.0453
30	60+100	656680	662000	DFT-s 16 QAM	54@108	162@0	19.12	16.62	21.06	16.56	0.0453
30	90+70	649668	654996	DFT-s QPSK	120@60	90@45	12.85	10.43	14.82	10.32	0.0108
30	90+70	649668	654996	DFT-s 16 QAM	120@60	90@45	12.82	10.48	14.82	10.32	0.0108
30	90+70	653670	658998	DFT-s QPSK	120@60	90@45	12.88	11.04	15.07	10.57	0.0114
30	90+70	653670	658998	DFT-s 16 QAM	120@60	90@45	12.83	10.1	14.69	10.19	0.0104
30	90+70	657672	663000	DFT-s QPSK	120@60	90@45	12.94	10.97	15.08	10.58	0.0114
30	90+70	657672	663000	DFT-s 16 QAM	120@60	90@45	12.92	11.05	15.10	10.60	0.0115
30	70+90	648668	653996	DFT-s QPSK	90@45	120@60	13.58	10.59	15.35	10.85	0.0122
30	70+90	648668	653996	DFT-s 16 QAM	90@45	120@60	13.62	10.62	15.38	10.88	0.0123

30	70+90	652836	658164	DFT-s QPSK	90@45	120@60	13.69	10.37	15.35	10.85	0.0122
30	70+90	652836	658164	DFT-s 16 QAM	90@45	120@60	13.69	10.42	15.37	10.87	0.0122
30	70+90	657004	662332	DFT-s QPSK	90@45	120@60	13.79	10.16	15.35	10.85	0.0122
30	70+90	657004	662332	DFT-s 16 QAM	90@45	120@60	13.77	10.14	15.33	10.83	0.0121
30	80+80	649334	654666	DFT-s QPSK	108@109	108@0	18.2	17.17	20.73	16.23	0.0419
30	80+80	649334	654666	DFT-s 16 QAM	108@109	108@0	18.19	17.17	20.72	16.22	0.0419
30	80+80	653334	658666	DFT-s QPSK	108@109	108@0	18.3	17.05	20.73	16.23	0.0420
30	80+80	653334	658666	DFT-s 16 QAM	108@109	108@0	18.2	16.99	20.65	16.15	0.0412
30	80+80	657334	662666	DFT-s QPSK	108@109	108@0	18.25	16.97	20.67	16.17	0.0414
30	80+80	657334	662666	DFT-s 16 QAM	108@109	108@0	18.19	16.92	20.61	16.11	0.0408
30	100+50	650000	654984	DFT-s QPSK	162@111	32@0	19.15	16.54	21.05	16.55	0.0452
30	100+50	650000	654984	DFT-s 16 QAM	162@111	32@0	19.07	16.41	20.95	16.45	0.0442
30	100+50	654342	659326	DFT-s QPSK	162@111	32@0	19.27	16.32	21.05	16.55	0.0452
30	100+50	654342	659326	DFT-s 16 QAM	162@111	32@0	19.22	16.32	21.02	16.52	0.0449
30	100+50	658682	663666	DFT-s QPSK	162@111	32@0	19.25	16.34	21.04	16.54	0.0451
30	100+50	658682	663666	DFT-s 16 QAM	162@111	32@0	19.32	16.42	21.12	16.62	0.0459
30	50+100	648334	653318	DFT-s QPSK	32@101	162@0	19	17.04	21.14	16.64	0.0461
30	50+100	648334	653318	DFT-s 16 QAM	32@101	162@0	17.91	18.2	21.07	16.57	0.0454
30	50+100	652680	657664	DFT-s QPSK	32@101	162@0	18.92	16.94	21.05	16.55	0.0452
30	50+100	652680	657664	DFT-s 16 QAM	32@101	162@0	19	17.01	21.13	16.63	0.0460
30	50+100	657016	662000	DFT-s QPSK	32@101	162@0	17.98	17.25	20.64	16.14	0.0411
30	50+100	657016	662000	DFT-s 16 QAM	32@101	162@0	18.91	16.91	21.03	16.53	0.0450
30	90+60	649668	654660	DFT-s QPSK	144@101	54@0	18.62	17.27	21.01	16.51	0.0447
30	90+60	649668	654660	DFT-s 16 QAM	144@101	54@0	18.59	17.25	20.98	16.48	0.0445
30	90+60	654006	658998	DFT-s QPSK	144@101	54@0	18.56	17.21	20.95	16.45	0.0441
30	90+60	654006	658998	DFT-s 16 QAM	144@101	54@0	18.61	17.25	20.99	16.49	0.0446
30	90+60	658340	663332	DFT-s QPSK	144@101	54@0	18.57	17.21	20.95	16.45	0.0442
30	90+60	658340	663332	DFT-s 16 QAM	144@101	54@0	18.61	17.25	20.99	16.49	0.0446
30	60+90	648668	653660	DFT-s QPSK	54@108	144@0	18.11	17.87	21.00	16.50	0.0447
30	60+90	648668	653660	DFT-s 16 QAM	54@108	144@0	18.18	17.65	20.93	16.43	0.0440
30	60+90	653004	657996	DFT-s QPSK	54@108	144@0	18.13	17.62	20.89	16.39	0.0436
30	60+90	653004	657996	DFT-s 16 QAM	54@108	144@0	18.13	17.6	20.88	16.38	0.0435
30	60+90	657340	662332	DFT-s QPSK	54@108	144@0	18.11	17.57	20.86	16.36	0.0432
30	60+90	657340	662332	DFT-s 16 QAM	54@108	144@0	18.19	17.66	20.94	16.44	0.0441
30	80+70	649334	654330	DFT-s QPSK	108@54	90@45	11.65	12.93	15.35	10.85	0.0122
30	80+70	649334	654330	DFT-s 16 QAM	108@54	90@45	11.6	12.88	15.30	10.80	0.0120
30	80+70	653670	658666	DFT-s QPSK	108@54	90@45	11.63	12.92	15.33	10.83	0.0121
30	80+70	653670	658666	DFT-s	108@54	90@45	11.67	12.95	15.37	10.87	0.0122

				16 QAM							
30	80+70	658004	663000	DFT-s QPSK	108@54	90@45	11.68	12.96	15.38	10.88	0.0122
30	80+70	658004	663000	DFT-s 16 QAM	108@54	90@45	11.7	12.98	15.40	10.90	0.0123
30	70+80	648668	653664	DFT-s QPSK	90@45	108@54	13.75	10.1	15.31	10.81	0.0120
30	70+80	648668	653664	DFT-s 16 QAM	90@45	108@54	13.82	10.18	15.38	10.88	0.0122
30	70+80	653172	658168	DFT-s QPSK	90@45	108@54	13.76	10.1	15.31	10.81	0.0121
30	70+80	653172	658168	DFT-s 16 QAM	90@45	108@54	13.74	10.09	15.30	10.80	0.0120
30	70+80	657670	662666	DFT-s QPSK	90@45	108@54	13.81	10.16	15.37	10.87	0.0122
30	70+80	657670	662666	DFT-s 16 QAM	90@45	108@54	13.75	10.11	15.31	10.81	0.0121
30	100+40	650000	654648	DFT-s QPSK	180@93	6@0	18.85	17.14	21.09	16.59	0.0456
30	100+40	650000	654648	DFT-s 16 QAM	180@93	6@0	18.74	17.03	20.98	16.48	0.0445
30	100+40	654678	659326	DFT-s QPSK	180@93	6@0	18.77	17.05	21.00	16.50	0.0447
30	100+40	654678	659326	DFT-s 16 QAM	180@93	6@0	18.8	17.12	21.05	16.55	0.0452
30	100+40	659352	664000	DFT-s QPSK	180@93	6@0	18.82	17.14	21.07	16.57	0.0454
30	100+40	659352	664000	DFT-s 16 QAM	180@93	6@0	18.73	17.05	20.98	16.48	0.0445
30	40+100	648000	652648	DFT-s QPSK	6@100	180@0	18.96	17.13	21.15	16.65	0.0462
30	40+100	648000	652648	DFT-s 16 QAM	6@100	180@0	19.05	17.21	21.24	16.74	0.0472
30	40+100	652680	657328	DFT-s QPSK	6@100	180@0	19	17.16	21.19	16.69	0.0466
30	40+100	652680	657328	DFT-s 16 QAM	6@100	180@0	18.89	17.08	21.09	16.59	0.0456
30	40+100	657352	662000	DFT-s QPSK	6@100	180@0	18.95	17.14	21.15	16.65	0.0462
30	40+100	657352	662000	DFT-s 16 QAM	6@100	180@0	19	17.18	21.19	16.69	0.0467
30	90+50	649668	654324	DFT-s QPSK	150@95	36@0	17.99	17.35	20.69	16.19	0.0416
30	90+50	649668	654324	DFT-s 16 QAM	150@95	36@0	18.03	17.34	20.71	16.21	0.0418
30	90+50	654342	658998	DFT-s QPSK	150@95	36@0	18.08	17.4	20.76	16.26	0.0423
30	90+50	654342	658998	DFT-s 16 QAM	150@95	36@0	18.03	17.41	20.74	16.24	0.0421
30	90+50	659010	663666	DFT-s QPSK	150@95	36@0	17.98	17.35	20.69	16.19	0.0416
30	90+50	659010	663666	DFT-s 16 QAM	150@95	36@0	18.4	17.87	21.15	16.65	0.0463
30	50+90	648334	652990	DFT-s QPSK	36@97	150@0	18.37	17.84	21.12	16.62	0.0460
30	50+90	648334	652990	DFT-s 16 QAM	36@97	150@0	18.36	17.84	21.12	16.62	0.0459
30	50+90	653010	657666	DFT-s QPSK	36@97	150@0	18.35	17.5	20.96	16.46	0.0442
30	50+90	653010	657666	DFT-s 16 QAM	36@97	150@0	18.37	17.52	20.98	16.48	0.0444
30	50+90	657676	662332	DFT-s QPSK	36@97	150@0	18.35	17.8	21.09	16.59	0.0456
30	50+90	657676	662332	DFT-s 16 QAM	36@97	150@0	18.37	17.82	21.11	16.61	0.0459
30	80+60	649334	653994	DFT-s QPSK	120@97	64@0	18.83	17.03	21.03	16.53	0.0450
30	80+60	649334	653994	DFT-s 16 QAM	120@97	64@0	18.87	17.06	21.07	16.57	0.0454
30	80+60	654006	658666	DFT-s QPSK	120@97	64@0	18.9	17.09	21.10	16.60	0.0457
30	80+60	654006	658666	DFT-s 16 QAM	120@97	64@0	18.91	17.11	21.11	16.61	0.0458
30	80+60	658672	663332	DFT-s QPSK	120@97	64@0	18.9	16.98	21.06	16.56	0.0452

30	80+60	658672	663332	DFT-s 16 QAM	120@97	64@0	18.89	17.1	21.10	16.60	0.0457
30	60+80	648668	653328	DFT-s QPSK	64@98	120@0	17.95	17.06	20.54	16.04	0.0402
30	60+80	648668	653328	DFT-s 16 QAM	64@98	120@0	17.93	17.04	20.52	16.02	0.0400
30	60+80	653340	658000	DFT-s QPSK	64@98	120@0	18	17.09	20.58	16.08	0.0405
30	60+80	653340	658000	DFT-s 16 QAM	64@98	120@0	17.94	17.05	20.53	16.03	0.0401
30	60+80	658006	662666	DFT-s QPSK	64@98	120@0	17.98	18.06	21.03	16.53	0.0450
30	60+80	658006	662666	DFT-s 16 QAM	64@98	120@0	17.99	18.08	21.05	16.55	0.0451
30	70+70	648668	653332	DFT-s QPSK	90@45	90@45	13.9	10.2	15.44	10.94	0.0124
30	70+70	648668	653332	DFT-s 16 QAM	90@45	90@45	13.97	10.25	15.51	11.01	0.0126
30	70+70	653502	658166	DFT-s QPSK	90@45	90@45	13.91	10.21	15.45	10.95	0.0125
30	70+70	653502	658166	DFT-s 16 QAM	90@45	90@45	13.94	10.25	15.49	10.99	0.0125
30	70+70	658336	663000	DFT-s QPSK	90@45	90@45	13.89	10.19	15.43	10.93	0.0124
30	70+70	658336	663000	DFT-s 16 QAM	90@45	90@45	13.92	10.23	15.47	10.97	0.0125
30	100+30	650000	654326	DFT-s QPSK	162@108	0@0	21.25	-20.62	21.25	16.75	0.0473
30	100+30	650000	654326	DFT-s 16 QAM	162@108	0@0	21.17	-20.85	21.17	16.67	0.0465
30	100+30	655008	659334	DFT-s QPSK	162@108	0@0	21.28	-19.4	21.28	16.78	0.0476
30	100+30	655008	659334	DFT-s 16 QAM	162@108	0@0	21.14	-20.87	21.14	16.64	0.0461
30	100+30	660006	664332	DFT-s QPSK	162@108	0@0	21.24	-19.5	21.24	16.74	0.0472
30	100+30	660006	664332	DFT-s 16 QAM	162@108	0@0	21.18	-19.57	21.18	16.68	0.0466
30	30+100	647668	651994	DFT-s QPSK	0@0	162@3	-19.88	21.23	21.23	16.73	0.0471
30	30+100	647668	651994	DFT-s 16 QAM	0@0	162@3	-19.833	21.26	21.26	16.76	0.0474
30	30+100	652674	657000	DFT-s QPSK	0@0	162@3	-19.24	21.24	21.24	16.74	0.0472
30	30+100	652674	657000	DFT-s 16 QAM	0@0	162@3	-20.7	21.26	21.26	16.76	0.0474
30	30+100	657674	662000	DFT-s QPSK	0@0	162@3	-20.68	21.22	21.22	16.72	0.0470
30	30+100	657674	662000	DFT-s 16 QAM	0@0	162@3	-20.6	21.25	21.25	16.75	0.0473
30	90+40	649668	653988	DFT-s QPSK	160@85	10@0	18.55	17.42	21.03	16.53	0.0450
30	90+40	649668	653988	DFT-s 16 QAM	160@85	10@0	18.51	17.37	20.99	16.49	0.0445
30	90+40	654678	658998	DFT-s QPSK	160@85	10@0	18.54	17.42	21.03	16.53	0.0449
30	90+40	654678	658998	DFT-s 16 QAM	160@85	10@0	18.45	17.44	20.98	16.48	0.0445
30	90+40	659680	664000	DFT-s QPSK	160@85	10@0	18.52	17.51	21.05	16.55	0.0452
30	90+40	659680	664000	DFT-s 16 QAM	160@85	10@0	18.44	17.43	20.97	16.47	0.0444
30	40+90	648000	652320	DFT-s QPSK	20@86	150@0	18.36	17.84	21.12	16.62	0.0459
30	40+90	648000	652320	DFT-s 16 QAM	20@86	150@0	18.4	17.2	20.85	16.35	0.0432
30	40+90	653010	657330	DFT-s QPSK	20@86	150@0	18.36	17.84	21.12	16.62	0.0459
30	40+90	653010	657330	DFT-s 16 QAM	20@86	150@0	18.36	17.65	21.03	16.53	0.0450
30	40+90	658012	662332	DFT-s QPSK	20@86	150@0	18.4	17.92	21.18	16.68	0.0465
30	40+90	658012	662332	DFT-s 16 QAM	20@86	150@0	18.38	17.89	21.15	16.65	0.0463
30	80+50	649334	653658	DFT-s	128@89	45@0	18.4	17.62	21.04	16.54	0.0451

				QPSK							
30	80+50	649334	653658	DFT-s 16 QAM	128@89	45@0	18.35	17.57	20.99	16.49	0.0445
30	80+50	654342	658666	DFT-s QPSK	128@89	45@0	18.37	17.59	21.01	16.51	0.0447
30	80+50	654342	658666	DFT-s 16 QAM	128@89	45@0	18.33	17.58	20.98	16.48	0.0445
30	80+50	659342	663666	DFT-s QPSK	128@89	45@0	18.31	17.57	20.97	16.47	0.0443
30	80+50	659342	663666	DFT-s 16 QAM	128@89	45@0	18.34	17.59	20.99	16.49	0.0446
30	50+80	648334	652658	DFT-s QPSK	45@88	128@0	18.72	17.49	21.16	16.66	0.0463
30	50+80	648334	652658	DFT-s 16 QAM	45@88	128@0	18.73	17.49	21.16	16.66	0.0464
30	50+80	653340	657664	DFT-s QPSK	45@88	128@0	18.77	17.5	21.19	16.69	0.0467
30	50+80	653340	657664	DFT-s 16 QAM	45@88	128@0	18.65	17.41	21.08	16.58	0.0455
30	50+80	658342	662666	DFT-s QPSK	45@88	128@0	18.68	17.44	21.11	16.61	0.0459
30	50+80	658342	662666	DFT-s 16 QAM	45@88	128@0	18.72	17.48	21.15	16.65	0.0463
30	70+60	648668	652992	DFT-s QPSK	90@45	81@40	13.05	11.51	15.36	10.86	0.0122
30	70+60	648668	652992	DFT-s 16 QAM	90@45	81@40	13.04	11.5	15.35	10.85	0.0122
30	70+60	653838	658162	DFT-s QPSK	90@45	81@40	13.07	11.53	15.38	10.88	0.0122
30	70+60	653838	658162	DFT-s 16 QAM	90@45	81@40	13.02	11.46	15.32	10.82	0.0121
30	70+60	659008	663332	DFT-s QPSK	90@45	81@40	13.07	11.51	15.37	10.87	0.0122
30	70+60	659008	663332	DFT-s 16 QAM	90@45	81@40	13.03	11.47	15.33	10.83	0.0121
30	60+70	648668	652992	DFT-s QPSK	81@40	90@45	13.56	10.76	15.39	10.89	0.0123
30	60+70	648668	652992	DFT-s 16 QAM	81@40	90@45	13.55	10.74	15.38	10.88	0.0122
30	60+70	653676	658000	DFT-s QPSK	81@40	90@45	13.53	10.72	15.36	10.86	0.0122
30	60+70	653676	658000	DFT-s 16 QAM	81@40	90@45	13.5	10.69	15.33	10.83	0.0121
30	60+70	658676	663000	DFT-s QPSK	81@40	90@45	13.52	10.71	15.35	10.85	0.0122
30	60+70	658676	663000	DFT-s 16 QAM	81@40	90@45	13.58	10.77	15.41	10.91	0.0123
30	100+25	650000	654160	DFT-s QPSK	162@95	0@0	21.23	-22.06	21.23	16.73	0.0471
30	100+25	650000	654160	DFT-s 16 QAM	162@95	0@0	21.2	-22.1	21.20	16.70	0.0468
30	100+25	655170	659330	DFT-s QPSK	162@95	0@0	21.25	-21.97	21.25	16.75	0.0473
30	100+25	655170	659330	DFT-s 16 QAM	162@95	0@0	21.29	-20.75	21.29	16.79	0.0478
30	100+25	660304	664500	DFT-s QPSK	162@95	0@0	21.21	-20.95	21.21	16.71	0.0469
30	100+25	660304	664500	DFT-s 16 QAM	162@95	0@0	21.3	-20.71	21.30	16.80	0.0479
30	25+100	647500	651660	DFT-s QPSK	0@0	162@16	-21	21.27	21.27	16.77	0.0475
30	25+100	647500	651660	DFT-s 16 QAM	0@0	162@16	-21.06	21.26	21.26	16.76	0.0474
30	25+100	652674	656834	DFT-s QPSK	0@0	162@16	-21.01	21.28	21.28	16.78	0.0476
30	25+100	652674	656834	DFT-s 16 QAM	0@0	162@16	-21.72	21.31	21.31	16.81	0.0480
30	25+100	657840	662000	DFT-s QPSK	0@0	162@16	-21.76	21.27	21.27	16.77	0.0475
30	25+100	657840	662000	DFT-s 16 QAM	0@0	162@16	-21.82	21.28	21.28	16.78	0.0476
30	100+20	650000	653996	DFT-s QPSK	162@81	0@0	21.27	-24.1	21.27	16.77	0.0475
30	100+20	650000	653996	DFT-s 16 QAM	162@81	0@0	21.16	-24.34	21.16	16.66	0.0463

30	100+20	655338	659334	DFT-s QPSK	162@81	0@0	21.28	-23.97	21.28	16.78	0.0476
30	100+20	655338	659334	DFT-s 16 QAM	162@81	0@0	21.19	-24.19	21.19	16.69	0.0467
30	100+20	660670	664666	DFT-s QPSK	162@81	0@0	21.28	-22.7	21.28	16.78	0.0476
30	100+20	660670	664666	DFT-s 16 QAM	162@81	0@0	21.23	-22.83	21.23	16.73	0.0471
30	20+100	647334	651330	DFT-s QPSK	0@0	162@30	-23.65	21.26	21.26	16.76	0.0474
30	20+100	647334	651330	DFT-s 16 QAM	0@0	162@30	-23.73	21.2	21.20	16.70	0.0468
30	20+100	652674	656670	DFT-s QPSK	0@0	162@30	-23.57	21.31	21.31	16.81	0.0480
30	20+100	652674	656670	DFT-s 16 QAM	0@0	162@30	-23.56	21.25	21.25	16.75	0.0473
30	20+100	658004	662000	DFT-s QPSK	0@0	162@30	-23.52	21.26	21.26	16.76	0.0474
30	20+100	658004	662000	DFT-s 16 QAM	0@0	162@30	-23.45	21.32	21.32	16.82	0.0481
30	90+30	649668	653660	DFT-s QPSK	160@83	0@0	21.33	-20.92	21.33	16.83	0.0482
30	90+30	649668	653660	DFT-s 16 QAM	160@83	0@0	21.28	-21.06	21.28	16.78	0.0476
30	90+30	655008	659000	DFT-s QPSK	160@83	0@0	21.3	-20.94	21.30	16.80	0.0479
30	90+30	655008	659000	DFT-s 16 QAM	160@83	0@0	21.25	-21.06	21.25	16.75	0.0473
30	90+30	660340	664332	DFT-s QPSK	160@83	0@0	21.36	-19.67	21.36	16.86	0.0485
30	90+30	660340	664332	DFT-s 16 QAM	160@83	0@0	21.3	-19.81	21.30	16.80	0.0479
30	30+90	647668	651660	DFT-s QPSK	0@0	160@2	-20.69	21.3	21.30	16.80	0.0479
30	30+90	647668	651660	DFT-s 16 QAM	0@0	160@2	-20.67	21.32	21.32	16.82	0.0481
30	30+90	653004	656996	DFT-s QPSK	0@0	160@2	-20.68	21.3	21.30	16.80	0.0479
30	30+90	653004	656996	DFT-s 16 QAM	0@0	160@2	-20.72	21.27	21.27	16.77	0.0475
30	30+90	658340	662332	DFT-s QPSK	0@0	160@2	-19.95	21.31	21.31	16.81	0.0480
30	30+90	658340	662332	DFT-s 16 QAM	0@0	160@2	-19.95	21.3	21.30	16.80	0.0479
30	80+40	649334	653322	DFT-s QPSK	135@82	24@0	18.91	17.35	21.21	16.71	0.0469
30	80+40	649334	653322	DFT-s 16 QAM	135@82	24@0	18.95	17.51	21.30	16.80	0.0479
30	80+40	654678	658666	DFT-s QPSK	135@82	24@0	18.47	17.94	21.22	16.72	0.0470
30	80+40	654678	658666	DFT-s 16 QAM	135@82	24@0	18.32	17.8	21.08	16.58	0.0455
30	80+40	660012	664000	DFT-s QPSK	135@82	24@0	18.44	17.95	21.21	16.71	0.0469
30	80+40	660012	664000	DFT-s 16 QAM	135@82	24@0	18.4	17.82	21.13	16.63	0.0460
30	40+80	648000	651988	DFT-s QPSK	25@81	135@0	18.59	18.07	21.35	16.85	0.0484
30	40+80	648000	651988	DFT-s 16 QAM	25@81	135@0	18.47	18	21.25	16.75	0.0473
30	40+80	653340	657328	DFT-s QPSK	25@81	135@0	18.37	18.25	21.32	16.82	0.0481
30	40+80	653340	657328	DFT-s 16 QAM	25@81	135@0	18.33	18.12	21.24	16.74	0.0472
30	40+80	658678	662666	DFT-s QPSK	25@81	135@0	18.2	17.76	21.00	16.50	0.0446
30	40+80	658678	662666	DFT-s 16 QAM	25@81	135@0	18.13	17.7	20.93	16.43	0.0440
30	70+50	648668	652660	DFT-s QPSK	90@45	64@32	13.21	11.17	15.32	10.82	0.0121
30	70+50	648668	652660	DFT-s 16 QAM	90@45	64@32	13.05	11	15.16	10.66	0.0116
30	70+50	654174	658166	DFT-s QPSK	90@45	64@32	12.95	12.76	15.87	11.37	0.0137
30	70+50	654174	658166	DFT-s	90@45	64@32	12.53	12.33	15.44	10.94	0.0124

				16 QAM							
30	70+50	659674	663666	DFT-s QPSK	90@45	64@32	12.32	12.3	15.32	10.82	0.0121
30	70+50	659674	663666	DFT-s 16 QAM	90@45	64@32	12.19	12.18	15.20	10.70	0.0117
30	50+70	648334	652326	DFT-s QPSK	64@32	90@45	12.71	11.3	15.07	10.57	0.0114
30	50+70	648334	652326	DFT-s 16 QAM	64@32	90@45	12.55	11.15	14.92	10.42	0.0110
30	50+70	653676	657668	DFT-s QPSK	64@32	90@45	12.71	12.18	15.46	10.96	0.0125
30	50+70	653676	657668	DFT-s 16 QAM	64@32	90@45	12.62	12.08	15.37	10.87	0.0122
30	50+70	659008	663000	DFT-s QPSK	64@32	90@45	12.55	12.08	15.33	10.83	0.0121
30	50+70	659008	663000	DFT-s 16 QAM	64@32	90@45	12.42	11.94	15.20	10.70	0.0117
30	60+60	648668	652668	DFT-s QPSK	81@81	81@0	18.58	17.7	21.17	16.67	0.0465
30	60+60	648668	652668	DFT-s 16 QAM	81@81	81@0	18.42	17.54	21.01	16.51	0.0448
30	60+60	654000	658000	DFT-s QPSK	81@81	81@0	18.41	17.78	21.12	16.62	0.0459
30	60+60	654000	658000	DFT-s 16 QAM	81@81	81@0	18.26	17.63	20.97	16.47	0.0443
30	60+60	659332	663332	DFT-s QPSK	81@81	81@0	18.19	17.7	20.96	16.46	0.0443
30	60+60	659332	663332	DFT-s 16 QAM	81@81	81@0	18.09	17.59	20.86	16.36	0.0432
30	100+15	650000	653808	DFT-s QPSK	150@86	0@0	21.33	-23.42	21.33	16.83	0.0482
30	100+15	650000	653808	DFT-s 16 QAM	150@86	0@0	21.28	-23.39	21.28	16.78	0.0476
30	100+15	655512	659320	DFT-s QPSK	150@86	0@0	21.3	-20.84	21.30	16.80	0.0479
30	100+15	655512	659320	DFT-s 16 QAM	150@86	0@0	21.23	-20.77	21.23	16.73	0.0471
30	100+15	661024	664832	DFT-s QPSK	150@86	0@0	21.08	-22.46	21.08	16.58	0.0455
30	100+15	661024	664832	DFT-s 16 QAM	150@86	0@0	20.95	-22.52	20.95	16.45	0.0442
30	15+100	647168	650976	DFT-s QPSK	0@0	150@37	-23.25	21.33	21.33	16.83	0.0482
30	15+100	647168	650976	DFT-s 16 QAM	0@0	150@37	-23.26	21.24	21.24	16.74	0.0472
30	15+100	652680	656488	DFT-s QPSK	0@0	150@37	-19.48	21.3	21.30	16.80	0.0479
30	15+100	652680	656488	DFT-s 16 QAM	0@0	150@37	-19.54	21.16	21.16	16.66	0.0463
30	15+100	658192	662000	DFT-s QPSK	0@0	150@37	-21.96	21.15	21.15	16.65	0.0462
30	15+100	658192	662000	DFT-s 16 QAM	0@0	150@37	-21.97	21.03	21.03	16.53	0.0450
30	90+25	649668	653492	DFT-s QPSK	150@85	0@0	21.31	-20.58	21.31	16.81	0.0480
30	90+25	649668	653492	DFT-s 16 QAM	150@85	0@0	21.26	-20.33	21.26	16.76	0.0474
30	90+25	655176	659000	DFT-s QPSK	150@85	0@0	21.34	-17.33	21.34	16.84	0.0483
30	90+25	655176	659000	DFT-s 16 QAM	150@85	0@0	21.16	-17.46	21.16	16.66	0.0464
30	90+25	660676	664500	DFT-s QPSK	150@85	0@0	21.2	-19.17	21.20	16.70	0.0468
30	90+25	660676	664500	DFT-s 16 QAM	150@85	0@0	21.06	-19.19	21.06	16.56	0.0453
30	25+90	647500	651324	DFT-s QPSK	0@0	150@10	-20.34	21.35	21.35	16.85	0.0484
30	25+90	647500	651324	DFT-s 16 QAM	0@0	150@10	-20.46	21.28	21.28	16.78	0.0476
30	25+90	653004	656828	DFT-s QPSK	0@0	150@10	-16.34	21.31	21.31	16.81	0.0480
30	25+90	653004	656828	DFT-s 16 QAM	0@0	150@10	-16.24	21.23	21.23	16.73	0.0471
30	25+90	658508	662332	DFT-s QPSK	0@0	150@10	-18.87	21.14	21.14	16.64	0.0461

30	25+90	658508	662332	DFT-s 16 QAM	0@0	150@10	-18.89	21.09	21.09	16.59	0.0456
30	100+10	650000	653640	DFT-s QPSK	144@81	0@0	21.38	-25.63	21.38	16.88	0.0488
30	100+10	650000	653640	DFT-s 16 QAM	144@81	0@0	21.26	-25.82	21.26	16.76	0.0474
30	100+10	655680	659320	DFT-s QPSK	144@81	0@0	21.36	-22.97	21.36	16.86	0.0485
30	100+10	655680	659320	DFT-s 16 QAM	144@81	0@0	21.29	-22.93	21.29	16.79	0.0478
30	100+10	661360	665000	DFT-s QPSK	144@81	0@0	21.14	-24.63	21.14	16.64	0.0461
30	100+10	661360	665000	DFT-s 16 QAM	144@81	0@0	21.03	-24.58	21.03	16.53	0.0450
30	10+100	647000	650640	DFT-s QPSK	0@0	144@48	-25.53	21.34	21.34	16.84	0.0483
30	10+100	647000	650640	DFT-s 16 QAM	0@0	144@48	-25.68	21.24	21.24	16.74	0.0472
30	10+100	652680	656320	DFT-s QPSK	0@0	144@48	-21.75	21.28	21.28	16.78	0.0476
30	10+100	652680	656320	DFT-s 16 QAM	0@0	144@48	-21.73	21.21	21.21	16.71	0.0469
30	10+100	658360	662000	DFT-s QPSK	0@0	144@48	-24.24	21.11	21.11	16.61	0.0458
30	10+100	658360	662000	DFT-s 16 QAM	0@0	144@48	-24.18	21.04	21.04	16.54	0.0451
30	90+20	649668	653328	DFT-s QPSK	144@80	0@0	21.28	-21.71	21.28	16.78	0.0476
30	90+20	649668	653328	DFT-s 16 QAM	144@80	0@0	21.16	-21.66	21.16	16.66	0.0463
30	90+20	655338	658998	DFT-s QPSK	144@80	0@0	21.32	-18.78	21.32	16.82	0.0481
30	90+20	655338	658998	DFT-s 16 QAM	144@80	0@0	21.2	-18.66	21.20	16.70	0.0468
30	90+20	661006	664666	DFT-s QPSK	144@80	0@0	21.11	-20.33	21.11	16.61	0.0458
30	90+20	661006	664666	DFT-s 16 QAM	144@80	0@0	21	-20.31	21.00	16.50	0.0447
30	20+90	647334	650994	DFT-s QPSK	0@0	144@21	-21.67	21.23	21.23	16.73	0.0471
30	20+90	647334	650994	DFT-s 16 QAM	0@0	144@21	-21.58	21.17	21.17	16.67	0.0465
30	20+90	653004	656664	DFT-s QPSK	0@0	144@21	-17.51	21.24	21.24	16.74	0.0472
30	20+90	653004	656664	DFT-s 16 QAM	0@0	144@21	-17.5	21.13	21.13	16.63	0.0460
30	20+90	658672	662332	DFT-s QPSK	0@0	144@21	-20.01	21.16	21.16	16.66	0.0463
30	20+90	658672	662332	DFT-s 16 QAM	0@0	144@21	-19.91	20.09	20.09	15.59	0.0362
30	80+30	649334	652990	DFT-s QPSK	144@73	2@0	18.42	17.29	20.90	16.40	0.0437
30	80+30	649334	652990	DFT-s 16 QAM	144@73	2@0	18.35	17.21	20.83	16.33	0.0429
30	80+30	655008	658664	DFT-s QPSK	144@73	2@0	18.57	17.27	20.98	16.48	0.0445
30	80+30	655008	658664	DFT-s 16 QAM	144@73	2@0	18.49	17.17	20.89	16.39	0.0436
30	80+30	660676	664332	DFT-s QPSK	144@73	2@0	18.5	17.37	20.98	16.48	0.0445
30	80+30	660676	664332	DFT-s 16 QAM	144@73	2@0	18.41	17.27	20.89	16.39	0.0435
30	30+80	647668	651324	DFT-s QPSK	3@74	144@0	16.96	15.75	19.41	14.91	0.0310
30	30+80	647668	651324	DFT-s 16 QAM	3@74	144@0	16.84	15.65	19.30	14.80	0.0302
30	30+80	653340	656996	DFT-s QPSK	3@74	144@0	17.14	15.76	19.51	15.01	0.0317
30	30+80	653340	656996	DFT-s 16 QAM	3@74	144@0	17.03	15.66	19.41	14.91	0.0310
30	30+80	659010	662666	DFT-s QPSK	3@74	144@0	16.84	15.64	19.29	14.79	0.0301
30	30+80	659010	662666	DFT-s 16 QAM	3@74	144@0	16.78	15.59	19.24	14.74	0.0298
30	70+40	648668	652324	DFT-s	90@45	50@25	13.45	10.85	15.35	10.85	0.0122

				QPSK							
30	70+40	648668	652324	DFT-s 16 QAM	90@45	50@25	13.38	10.78	15.28	10.78	0.0120
30	70+40	654510	658166	DFT-s QPSK	90@45	50@25	13.36	11	15.35	10.85	0.0122
30	70+40	654510	658166	DFT-s 16 QAM	90@45	50@25	13.25	10.89	15.24	10.74	0.0119
30	70+40	660344	664000	DFT-s QPSK	90@45	50@25	13.38	10.64	15.23	10.73	0.0118
30	70+40	660344	664000	DFT-s 16 QAM	90@45	50@25	13.27	10.53	15.12	10.62	0.0115
30	40+70	648000	651656	DFT-s QPSK	50@25	90@45	12.71	11.44	15.13	10.63	0.0116
30	40+70	648000	651656	DFT-s 16 QAM	50@25	90@45	12.59	11.32	15.01	10.51	0.0113
30	40+70	653676	657332	DFT-s QPSK	50@25	90@45	12.89	12.13	15.54	11.04	0.0127
30	40+70	653676	657332	DFT-s 16 QAM	50@25	90@45	12.73	11.98	15.38	10.88	0.0123
30	40+70	659344	663000	DFT-s QPSK	50@25	90@45	12.6	11.91	15.28	10.78	0.0120
30	40+70	659344	663000	DFT-s 16 QAM	50@25	90@45	12.46	11.77	15.14	10.64	0.0116
30	60+50	648668	652320	DFT-s QPSK	81@81	60@0	18.47	17.64	21.09	16.59	0.0456
30	60+50	648668	652320	DFT-s 16 QAM	81@81	60@0	18.31	17.48	20.93	16.43	0.0439
30	60+50	654342	657994	DFT-s QPSK	81@81	60@0	18.57	17.57	21.11	16.61	0.0458
30	60+50	654342	657994	DFT-s 16 QAM	81@81	60@0	18.43	17.42	20.96	16.46	0.0443
30	60+50	660014	663666	DFT-s QPSK	81@81	60@0	18.34	17.53	20.96	16.46	0.0443
30	60+50	660014	663666	DFT-s 16 QAM	81@81	60@0	18.24	17.44	20.87	16.37	0.0433
30	50+60	648334	651986	DFT-s QPSK	60@73	81@0	18.23	17.52	20.90	16.40	0.0436
30	50+60	648334	651986	DFT-s 16 QAM	60@73	81@0	18.2	17.38	20.82	16.32	0.0429
30	50+60	654012	657664	DFT-s QPSK	60@73	81@0	18.36	17.93	21.16	16.66	0.0464
30	50+60	654012	657664	DFT-s 16 QAM	60@73	81@0	18.26	17.81	21.05	16.55	0.0452
30	50+60	659680	663332	DFT-s QPSK	60@73	81@0	18.08	17.86	20.98	16.48	0.0445
30	50+60	659680	663332	DFT-s 16 QAM	60@73	81@0	17.89	17.78	20.85	16.35	0.0431
30	90+15	649668	653140	DFT-s QPSK	120@60	18@9	13.31	10.98	15.31	10.81	0.0120
30	90+15	649668	653140	DFT-s 16 QAM	120@60	18@9	13.19	10.87	15.19	10.69	0.0117
30	90+15	655518	658990	DFT-s QPSK	120@60	18@9	13.4	10.64	15.25	10.75	0.0119
30	90+15	655518	658990	DFT-s 16 QAM	120@60	18@9	13.27	10.51	15.12	10.62	0.0115
30	90+15	661360	664832	DFT-s QPSK	120@60	18@9	13.26	10.73	15.19	10.69	0.0117
30	90+15	661360	664832	DFT-s 16 QAM	120@60	18@9	13.14	10.61	15.07	10.57	0.0114
30	15+90	647168	650640	DFT-s QPSK	0@0	135@30	-25.3	21.32	21.32	16.82	0.0481
30	15+90	647168	650640	DFT-s 16 QAM	0@0	135@30	-25.18	21.2	21.20	16.70	0.0468
30	15+90	653016	656488	DFT-s QPSK	0@0	135@30	-19.4	21.31	21.31	16.81	0.0480
30	15+90	653016	656488	DFT-s 16 QAM	0@0	135@30	-19.33	21.22	21.22	16.72	0.0470
30	15+90	658860	662332	DFT-s QPSK	0@0	135@30	-21.93	21.13	21.13	16.63	0.0460
30	15+90	658860	662332	DFT-s 16 QAM	0@0	135@30	-21.8	21.05	21.05	16.55	0.0452
30	80+25	649334	652822	DFT-s QPSK	108@54	32@16	13.47	10.73	15.32	10.82	0.0121
30	80+25	649334	652822	DFT-s 16 QAM	108@54	32@16	13.38	10.69	15.25	10.75	0.0119

30	80+25	655176	658664	DFT-s QPSK	108@54	32@16	13.55	10.47	15.29	10.79	0.0120
30	80+25	655176	658664	DFT-s 16 QAM	108@54	32@16	13.43	10.35	15.17	10.67	0.0117
30	80+25	661012	664500	DFT-s QPSK	108@54	32@16	13.41	10.51	15.21	10.71	0.0118
30	80+25	661012	664500	DFT-s 16 QAM	108@54	32@16	13.27	10.4	15.08	10.58	0.0114
30	25+80	647500	650988	DFT-s QPSK	0@0	135@3	-19.71	21.34	21.34	16.84	0.0483
30	25+80	647500	650988	DFT-s 16 QAM	0@0	135@3	-19.58	21.22	21.22	16.72	0.0470
30	25+80	653340	656828	DFT-s QPSK	0@0	135@3	-15.63	21.29	21.29	16.79	0.0478
30	25+80	653340	656828	DFT-s 16 QAM	0@0	135@3	-15.66	21.17	21.17	16.67	0.0465
30	25+80	659178	662666	DFT-s QPSK	0@0	135@3	-18.42	21.1	21.10	16.60	0.0457
30	25+80	659178	662666	DFT-s 16 QAM	0@0	135@3	-18.38	21.06	21.06	16.56	0.0453

26dB Bandwidth

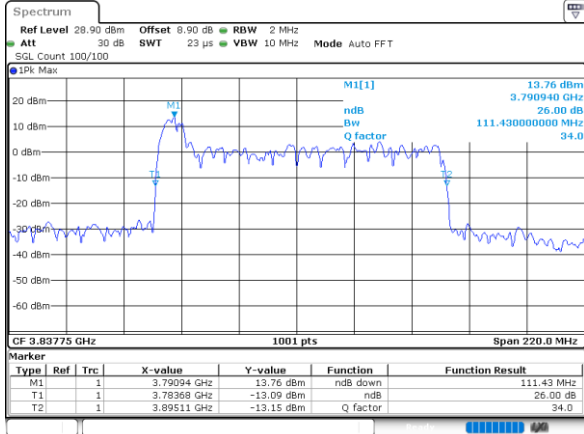
Mode	FCC N77C : 26dB BW(MHz)				
Modulation	10MHz+100MHz	15MHz+90MHz	15MHz+100MHz	20MHz+90MHz	20MHz+100MHz
QPSK	111.43	106.58	116.5	112.09	122.28
16QAM	111.43	106.79	116.5	111.87	121.8
64QAM	111.21	106.58	116.27	112.09	122.28
256QAM	111.43	106.58	116.5	111.87	122.04
Modulation	25MHz+80MHz	25MHz+90MHz	25MHz+100MHz	30MHz+80MHz	30MHz+90MHz
QPSK	107	116.73	126.63	111.21	121.8
16QAM	106.79	116.73	126.63	111.21	121.8
64QAM	106.79	116.96	127.13	111.65	122.28
256QAM	106.58	116.5	127.13	111.43	121.8
Modulation	30MHz+100MHz	40MHz+70MHz	40MHz+80MHz	40MHz+90MHz	40MHz+100MHz
QPSK	131.17	111.43	121.56	131.43	141.82
16QAM	131.17	111.43	121.8	131.69	141.82
64QAM	131.95	111.43	121.56	131.43	141.82
256QAM	131.17	111.87	122.04	131.43	141.82
Modulation	50MHz+60MHz	50MHz+70MHz	50MHz+80MHz	50MHz+90MHz	50MHz+100MHz
QPSK	111.43	121.8	131.43	141.82	151.95
16QAM	111.87	122.04	131.43	141.54	151.65
64QAM	111.43	122.04	131.69	141.82	151.95
256QAM	111.87	121.56	131.95	142.1	151.95
Modulation	60MHz+50MHz	60MHz+60MHz	60MHz+70MHz	60MHz+80MHz	60MHz+90MHz
QPSK	112.09	122.52	131.95	142.1	151.95
16QAM	111.87	122.28	131.69	142.1	151.95
64QAM	111.65	122.04	131.95	141.82	152.25
256QAM	111.87	122.52	132.21	142.38	152.25
Modulation	60MHz+100MHz	70MHz+40MHz	70MHz+50MHz	70MHz+60MHz	70MHz+70MHz
QPSK	162.08	111.65	122.04	131.95	141.82
16QAM	162.08	111.65	121.8	132.21	142.1
64QAM	161.76	111.87	122.04	131.95	142.38
256QAM	162.4	111.65	121.8	131.95	142.1
Modulation	70MHz+80MHz	70MHz+90MHz	70MHz+100MHz	80MHz+25MHz	80MHz+30MHz
QPSK	152.25	162.72	171.87	107.21	111.43
16QAM	152.25	162.08	171.87	107.21	111.65
64QAM	151.95	161.76	172.21	107.21	111.87
256QAM	151.95	162.08	172.21	107	111.87
Modulation	80MHz+40MHz	80MHz+50MHz	80MHz+60MHz	80MHz+70MHz	80MHz+80MHz
QPSK	122.28	131.69	142.1	152.25	162.4
16QAM	122.04	131.95	142.38	152.55	162.4
64QAM	122.28	131.95	142.66	152.25	162.72
256QAM	121.8	131.95	142.66	152.25	162.4

Modulation	80MHz+90MHz	80MHz+100MHz	90MHz+15MHz	90MHz+20MHz	90MHz+25MHz
QPSK	172.21	181.62	107	111.43	116.5
16QAM	172.21	181.98	107	112.31	116.96
64QAM	172.21	181.98	106.79	112.31	116.73
256QAM	172.21	182.34	107.21	112.09	116.5
Modulation	90MHz+30MHz	90MHz+40MHz	90MHz+50MHz	90MHz+60MHz	90MHz+70MHz
QPSK	122.52	131.69	142.1	152.25	162.08
16QAM	122.28	131.69	142.38	152.25	162.4
64QAM	122.04	131.69	142.38	151.95	162.4
256QAM	122.04	131.43	141.82	151.95	161.76
Modulation	90MHz+80MHz	90MHz+90MHz	90MHz+100MHz	100MHz+10MHz	100MHz+15MHz
QPSK	172.55	182.34	192.47	111.43	116.5
16QAM	172.55	182.34	192.47	112.09	115.81
64QAM	172.55	182.34	192.09	111.65	116.96
256QAM	171.87	182.34	192.47	111.87	116.27
Modulation	100MHz+20MHz	100MHz+25MHz	100MHz+30MHz	100MHz+40MHz	100MHz+50MHz
QPSK	122.04	127.38	131.69	142.1	152.25
16QAM	122.04	127.13	131.69	142.38	151.95
64QAM	122.04	127.38	132.21	142.1	151.65
256QAM	122.28	126.63	131.43	142.1	151.65
Modulation	100MHz+60MHz	100MHz+70MHz	100MHz+80MHz	100MHz+90MHz	100MHz+100MHz
QPSK	162.4	171.87	182.34	192.09	202.2
16QAM	162.4	172.21	182.34	192.09	202.6
64QAM	162.08	172.21	182.34	192.47	202.2
256QAM	162.4	171.87	182.34	192.09	202.6

FCC N77C

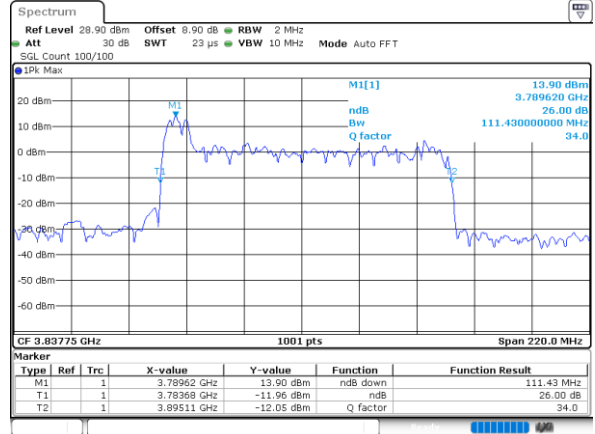
10M+100M

QPSK



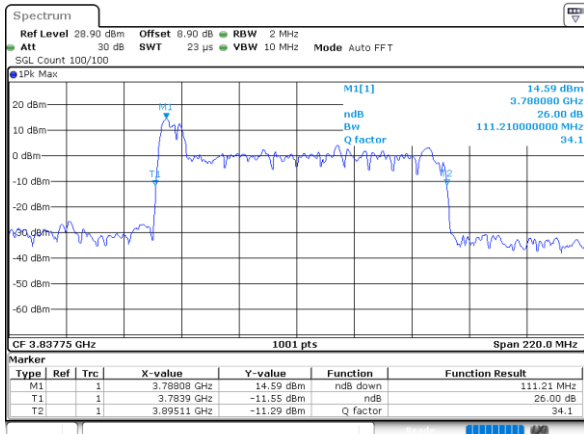
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16QAM



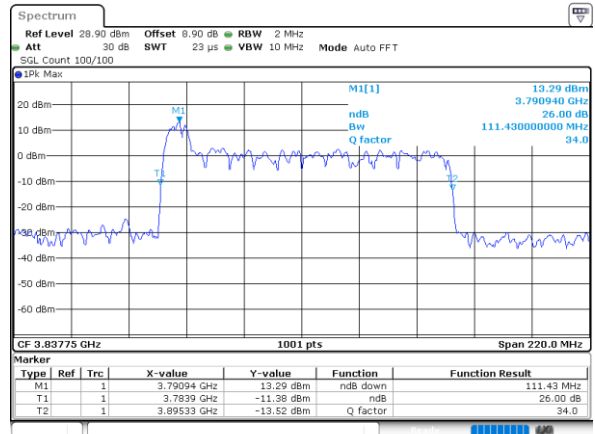
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64QAM



Date: 6.APR.2024 04:40:59

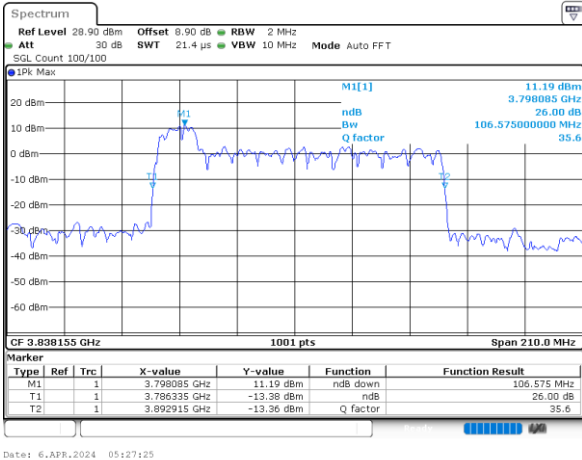
256QAM



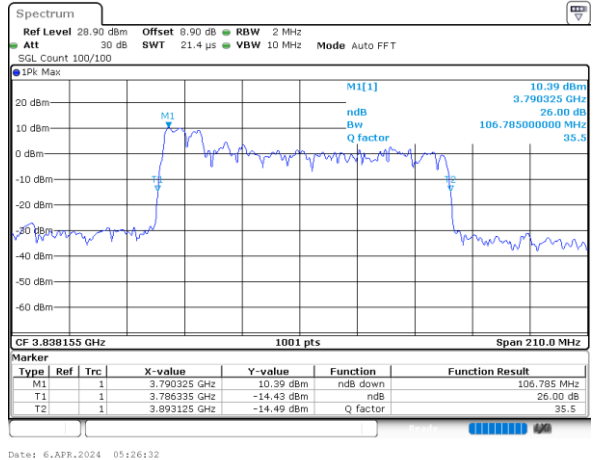
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15M+90M

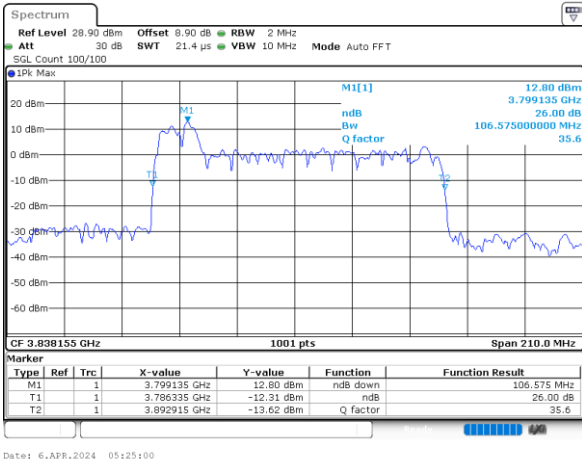
QPSK



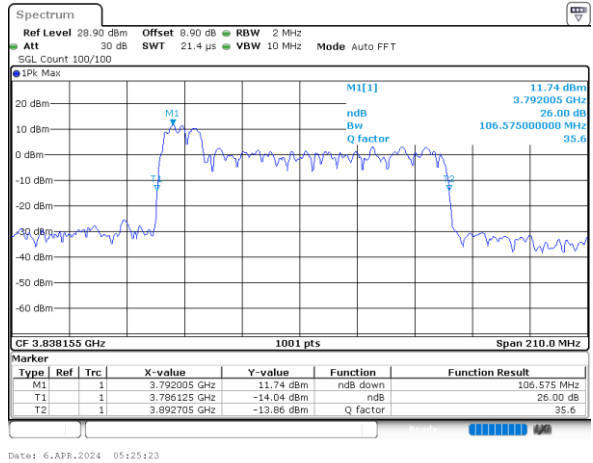
16QAM



64QAM

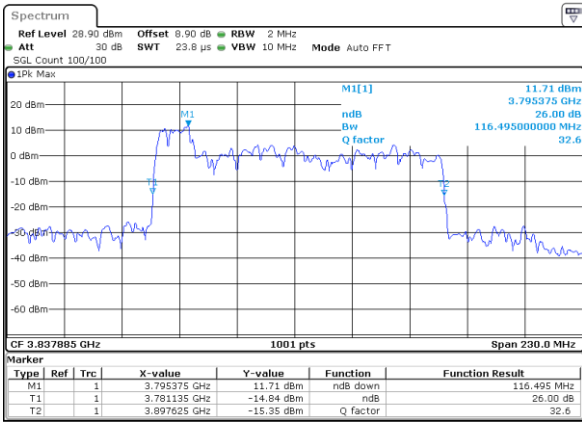


256QAM



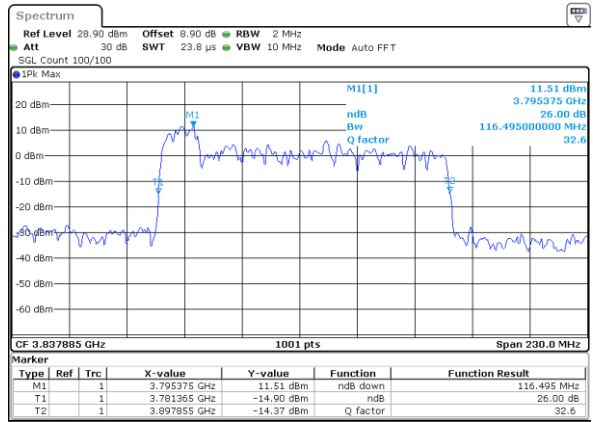
15M+100M

QPSK



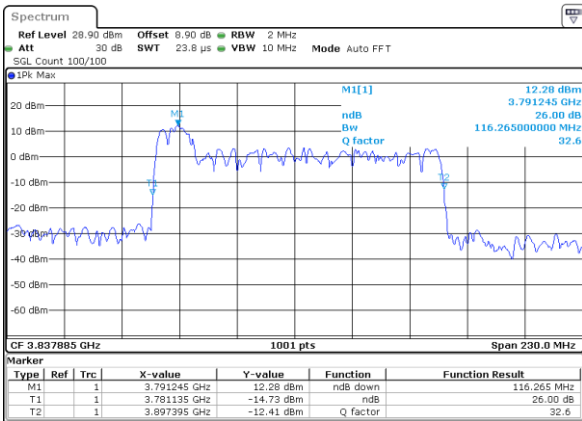
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16QAM



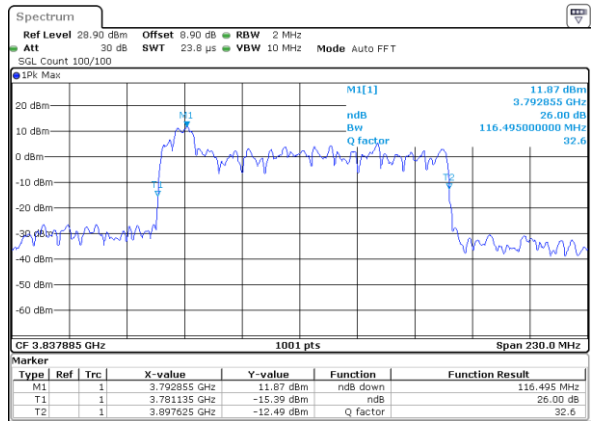
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64QAM



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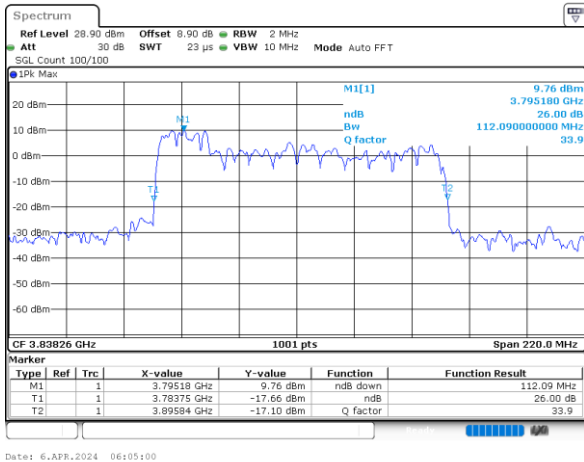
256QAM



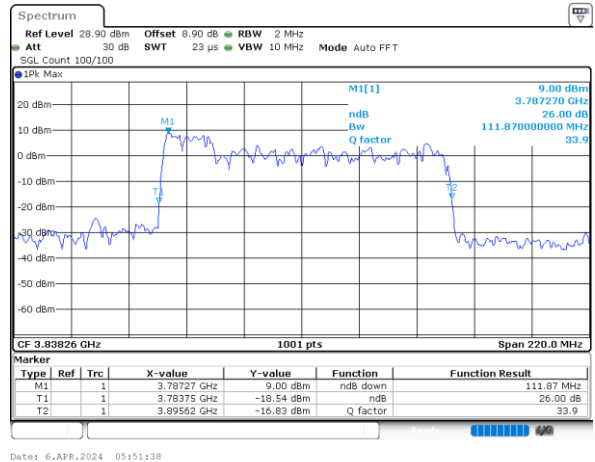
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20M+90M

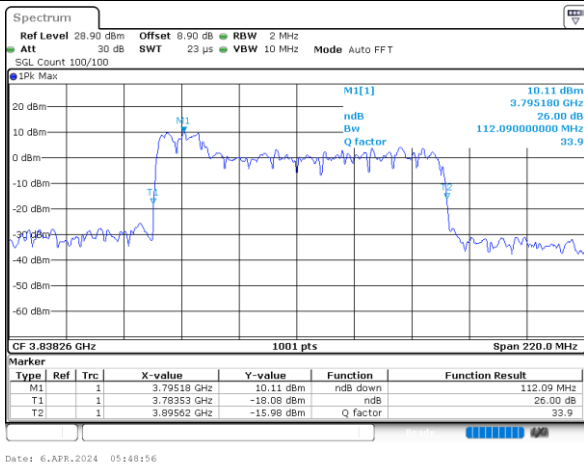
QPSK



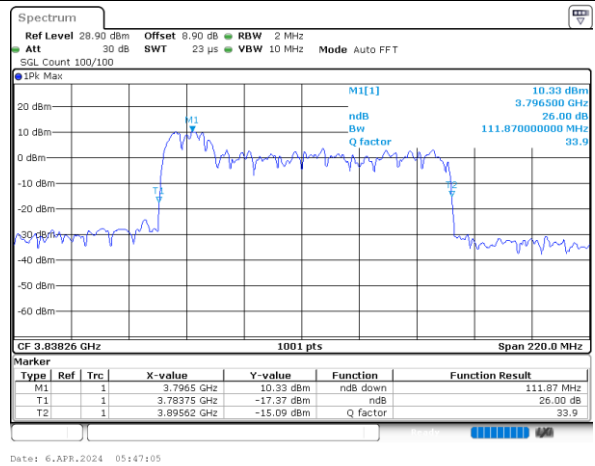
16QAM



64QAM

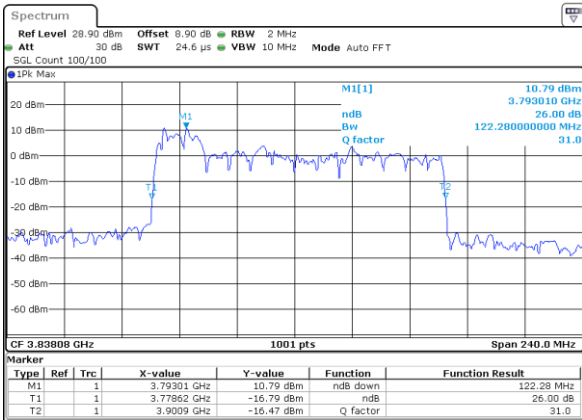


256QAM



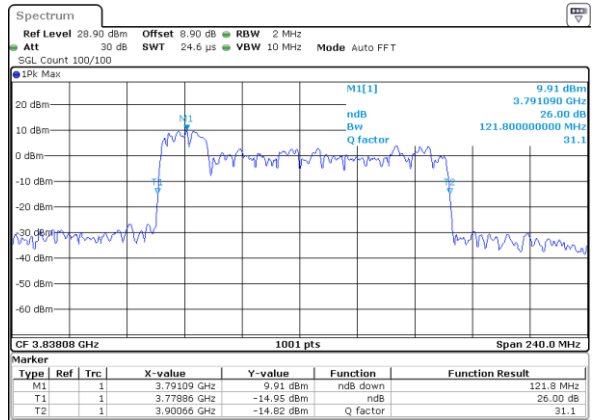
20M+100M

QPSK



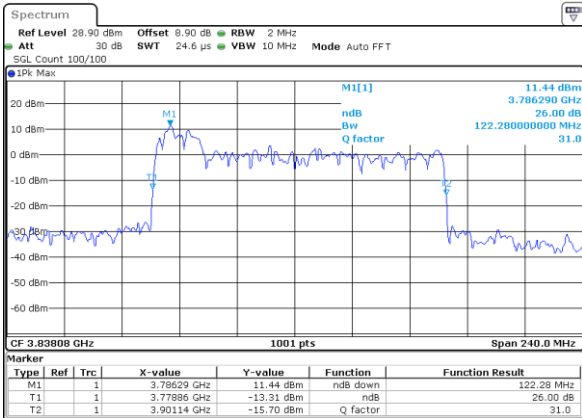
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16QAM



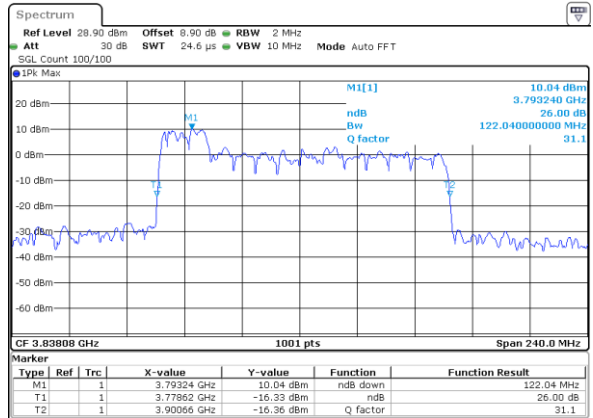
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64QAM



Date: 6.APR.2024 06:11:11

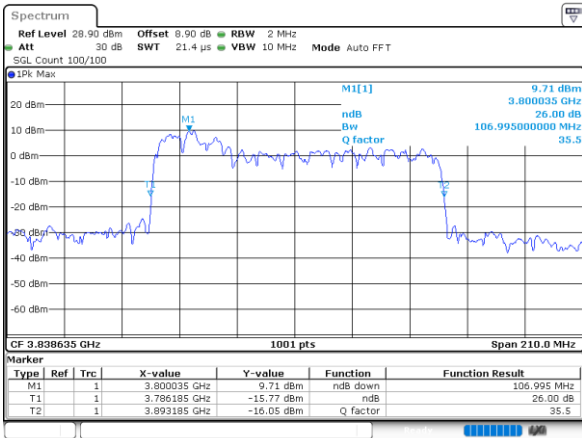
256QAM



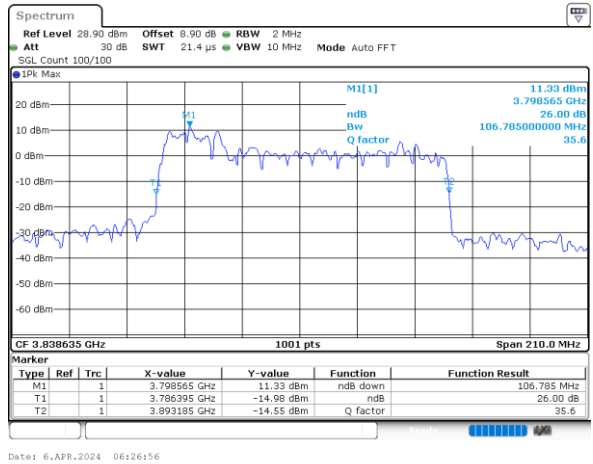
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25M+80M

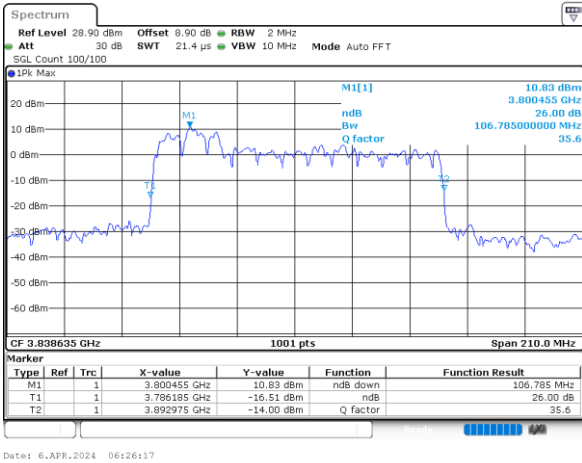
QPSK



16QAM



64QAM



256QAM

