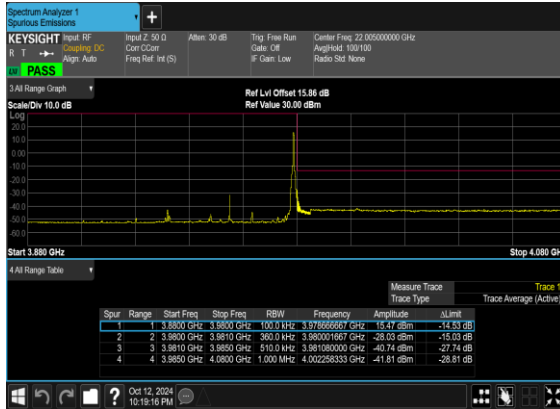
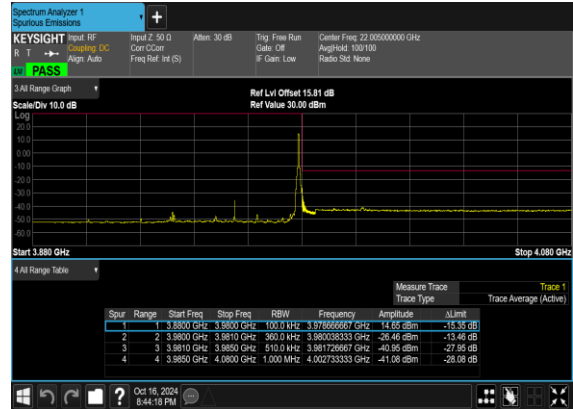




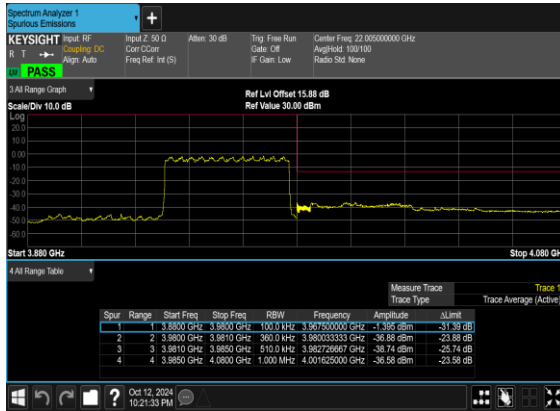
N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(50M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

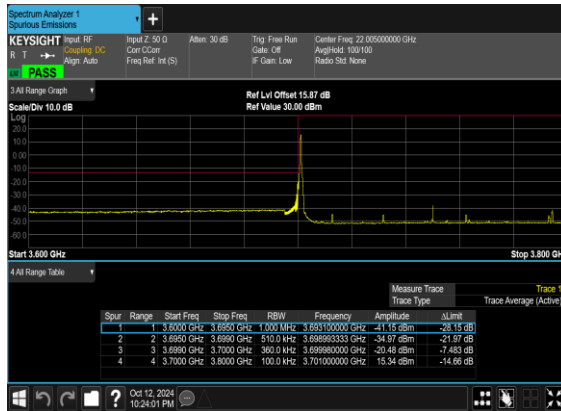


N77(50M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

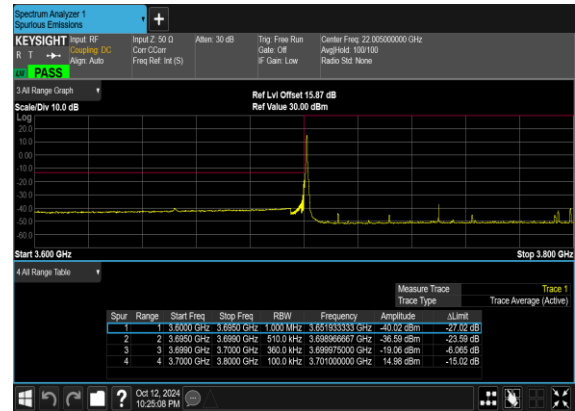




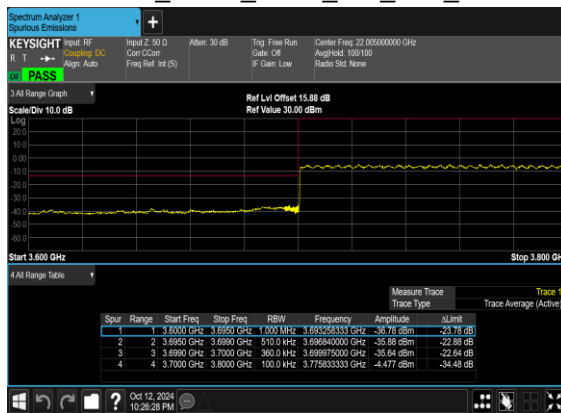
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



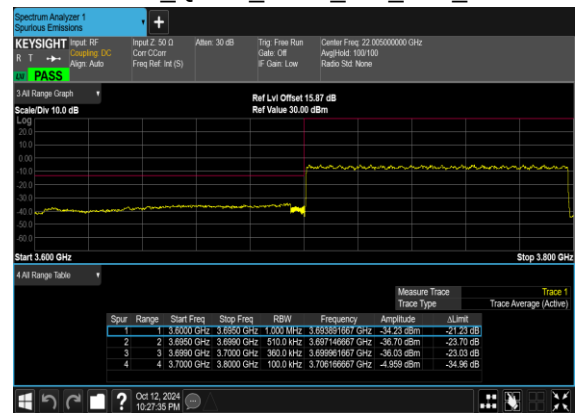
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

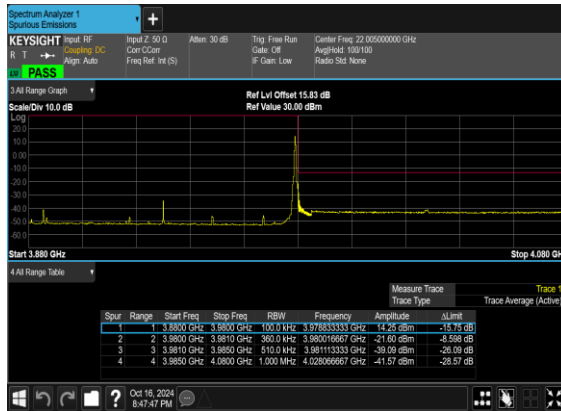


N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

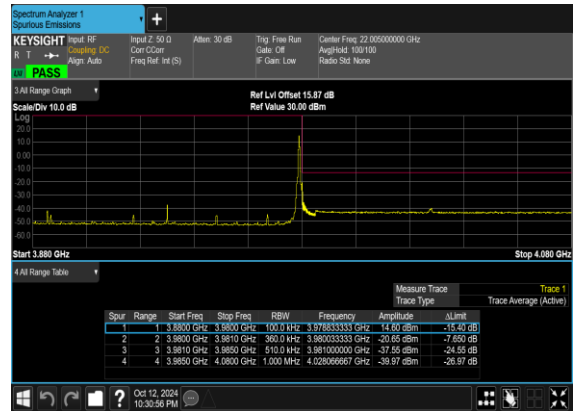




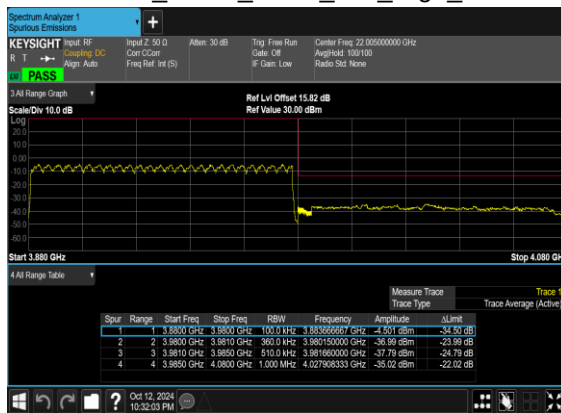
N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



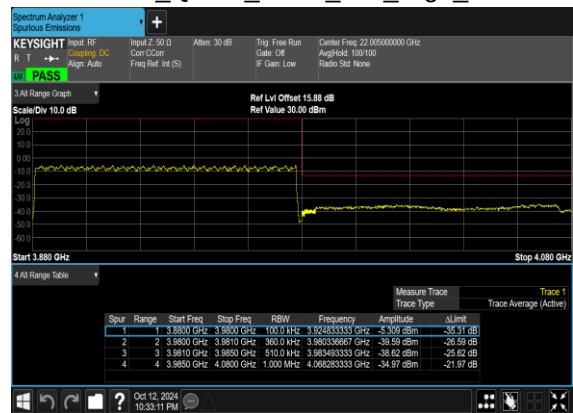
N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





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)=-2.7dB

<PCC Power all up>

NR	SCS	Bandwidth	PCC	SCC	Modulation	PCC RB	SCC RB	PCC	SCC	Conducted	EIRP	EIRP
Band	(kHz)	(MHz)	Arfcn	Arfcn				Power(dBm)	Power(dBm)	Power(dBm)	(dBm)	(W)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	21.72	-16.95	21.72	19.02	0.0798
77C	30	100+100	650000	656664	DFT-s BPSK	1@182	1@88	21.87	-16.35	21.87	19.17	0.0826
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	22.09	-14.69	22.09	19.39	0.0869
77C	30	100+100	650000	656664	DFT-s QPSK	1@182	1@88	21.79	-16.25	21.79	19.09	0.0811
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	21.78	-16.13	21.78	19.08	0.0809
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@182	1@88	21.81	-16.09	21.81	19.11	0.0815
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	21.73	-16.78	21.73	19.03	0.0800
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@182	1@88	21.71	-16.22	21.71	19.01	0.0796
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	20.78	-15.55	20.78	18.08	0.0643
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@182	1@88	20.92	-15.92	20.92	18.22	0.0664
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	21.73	-16.99	21.73	19.03	0.0800
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@182	1@88	21.66	-16.95	21.66	18.96	0.0787
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	21.92	-16.1	21.92	19.22	0.0836
77C	30	100+100	652668	659332	DFT-s BPSK	1@182	1@88	21.89	-16.57	21.89	19.19	0.0830
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	21.93	-16.08	21.93	19.23	0.0838
77C	30	100+100	652668	659332	DFT-s QPSK	1@182	1@88	21.88	-16.58	21.88	19.18	0.0828
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	21.85	-15.88	21.85	19.15	0.0822
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@182	1@88	21.83	-16.41	21.83	19.13	0.0819
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	21.74	-16.27	21.74	19.04	0.0802
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@182	1@88	21.68	-16.92	21.68	18.98	0.0791
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	20.96	-17.34	20.96	18.26	0.0670
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@182	1@88	21.21	-16.9	21.21	18.51	0.0710
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	21.89	-15.13	21.89	19.19	0.0830



77C	30	100+100	652668	659332	CP-OFDM QPSK	1@182	1@88	21.87	-16.1	21.87	19.17	0.0826
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	21.84	-16.41	21.84	19.14	0.0820
77C	30	100+100	655336	662000	DFT-s BPSK	1@182	1@88	21.79	-16.79	21.79	19.09	0.0811
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	21.81	-16.44	21.81	19.11	0.0815
77C	30	100+100	655336	662000	DFT-s QPSK	1@182	1@88	21.74	-16.78	21.74	19.04	0.0802
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	21.73	-16.26	21.73	19.03	0.0800
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@182	1@88	21.67	-16.7	21.67	18.97	0.0789
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	21.62	-16.01	21.62	18.92	0.0780
77C	30	100+100	655336	662000	DFT-s 64 QAM	1@182	1@88	21.57	-16.98	21.57	18.87	0.0771
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	20.86	-17.27	20.86	18.16	0.0655
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@182	1@88	21.16	-17.06	21.16	18.46	0.0702
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	21.82	-16.1	21.82	19.12	0.0817
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@182	1@88	21.83	-17.27	21.83	19.13	0.0819
77C	30	100+90	650000	656328	DFT-s QPSK	144@129	108@0	21.77	-16.14	21.77	19.07	0.0807
77C	30	100+90	650000	656328	DFT-s 16 QAM	144@129	108@0	21.76	-15.92	21.76	19.06	0.0806
77C	30	100+90	653004	659332	DFT-s QPSK	144@129	108@0	21.9	-16.52	21.90	19.20	0.0832
77C	30	100+90	653004	659332	DFT-s 16 QAM	144@129	108@0	21.81	-16.56	21.81	19.11	0.0815
77C	30	100+90	656004	662332	DFT-s QPSK	144@129	108@0	21.74	-16.54	21.74	19.04	0.0802
77C	30	100+90	656004	662332	DFT-s 16 QAM	144@129	108@0	21.65	-16.55	21.65	18.95	0.0785
77C	30	90+100	649668	655996	DFT-s QPSK	108@137	144@0	21.82	-15.83	21.82	19.12	0.0817
77C	30	90+100	649668	655996	DFT-s 16 QAM	108@137	144@0	21.71	-15.84	21.71	19.01	0.0796
77C	30	90+100	652674	659002	DFT-s QPSK	108@137	144@0	21.89	-16.45	21.89	19.19	0.0830
77C	30	90+100	652674	659002	DFT-s 16 QAM	108@137	144@0	21.87	-16.48	21.87	19.17	0.0826
77C	30	90+100	655672	662000	DFT-s QPSK	108@137	144@0	21.83	-16.47	21.83	19.13	0.0819
77C	30	90+100	655672	662000	DFT-s 16 QAM	108@137	144@0	21.76	-16.44	21.76	19.06	0.0806
77C	30	100+80	650000	655992	DFT-s QPSK	150@123	90@0	21.77	-15.88	21.77	19.07	0.0807
77C	30	100+80	650000	655992	DFT-s 16 QAM	150@123	90@0	21.67	-15.89	21.67	18.97	0.0789
77C	30	100+80	653340	659332	DFT-s QPSK	150@123	90@0	21.89	-16.35	21.89	19.19	0.0830
77C	30	100+80	653340	659332	DFT-s 16 QAM	150@123	90@0	21.88	-16.37	21.88	19.18	0.0828
77C	30	100+80	656674	662666	DFT-s QPSK	150@123	90@0	21.73	-16.5	21.73	19.03	0.0800
77C	30	100+80	656674	662666	DFT-s 16 QAM	150@123	90@0	21.72	-16.5	21.72	19.02	0.0798
77C	30	80+100	649334	655326	DFT-s QPSK	96@121	144@0	21.75	-15.62	21.75	19.05	0.0804
77C	30	80+100	649334	655326	DFT-s 16 QAM	96@121	144@0	21.66	-15.6	21.66	18.96	0.0787
77C	30	80+100	652674	658666	DFT-s QPSK	96@121	144@0	21.87	-16.11	21.87	19.17	0.0826



77C	30	80+100	652674	658666	DFT-s 16 QAM	96@121	144@0	21.81	-16.12	21.81	19.11	0.0815
77C	30	80+100	656008	662000	DFT-s QPSK	96@121	144@0	21.81	-16.16	21.81	19.11	0.0815
77C	30	80+100	656008	662000	DFT-s 16 QAM	96@121	144@0	21.8	-16.15	21.80	19.10	0.0813
77C	30	90+90	649668	655668	DFT-s QPSK	120@125	120@0	21.81	-15.93	21.81	19.11	0.0815
77C	30	90+90	649668	655668	DFT-s 16 QAM	120@125	120@0	21.75	-14.84	21.75	19.05	0.0804
77C	30	90+90	653004	659004	DFT-s QPSK	120@125	120@0	21.87	-16.25	21.87	19.17	0.0826
77C	30	90+90	653004	659004	DFT-s 16 QAM	120@125	120@0	21.81	-15.26	21.81	19.11	0.0815
77C	30	90+90	656332	662332	DFT-s QPSK	120@125	120@0	21.74	-16.3	21.74	19.04	0.0802
77C	30	90+90	656332	662332	DFT-s 16 QAM	120@125	120@0	21.64	-16.33	21.64	18.94	0.0784
77C	30	100+70	650000	655656	DFT-s QPSK	135@67	90@45	19.41	-19.06	19.41	16.71	0.0469
77C	30	100+70	650000	655656	DFT-s 16 QAM	135@67	90@45	19.4	-19.06	19.40	16.70	0.0468
77C	30	100+70	653676	659332	DFT-s QPSK	135@67	90@45	19.55	-18.64	19.55	16.85	0.0484
77C	30	100+70	653676	659332	DFT-s 16 QAM	135@67	90@45	19.54	-18.63	19.54	16.84	0.0483
77C	30	100+70	657344	663000	DFT-s QPSK	135@67	90@45	19.5	-18.74	19.50	16.80	0.0479
77C	30	100+70	657344	663000	DFT-s 16 QAM	135@67	90@45	19.49	-17.79	19.49	16.79	0.0478
77C	30	70+100	648668	654324	DFT-s QPSK	90@45	135@67	19.45	-18.4	19.45	16.75	0.0473
77C	30	70+100	648668	654324	DFT-s 16 QAM	90@45	135@67	19.44	-18.42	19.44	16.74	0.0472
77C	30	70+100	652506	658162	DFT-s QPSK	90@45	135@67	19.57	-18.39	19.57	16.87	0.0486
77C	30	70+100	652506	658162	DFT-s 16 QAM	90@45	135@67	19.53	-17.33	19.53	16.83	0.0482
77C	30	70+100	656344	662000	DFT-s QPSK	90@45	135@67	19.62	-18.9	19.62	16.92	0.0492
77C	30	70+100	656344	662000	DFT-s 16 QAM	90@45	135@67	19.6	-18.95	19.60	16.90	0.0490
77C	30	90+80	649668	654662	DFT-s QPSK	128@117	100@0	21.43	11.67	21.87	19.17	0.0825
77C	30	90+80	649668	654662	DFT-s 16 QAM	128@117	100@0	21.4	11.65	21.84	19.14	0.0820
77C	30	90+80	653340	659004	DFT-s QPSK	128@117	100@0	21.86	-14.15	21.86	19.16	0.0824
77C	30	90+80	653340	659004	DFT-s 16 QAM	128@117	100@0	21.84	-14.03	21.84	19.14	0.0821
77C	30	90+80	657002	662666	DFT-s QPSK	128@117	100@0	21.74	-16.39	21.74	19.04	0.0802
77C	30	90+80	657002	662666	DFT-s 16 QAM	128@117	100@0	21.73	-16.38	21.73	19.03	0.0800
77C	30	80+90	649334	654998	DFT-s QPSK	100@117	128@0	21.72	-15.85	21.72	19.02	0.0798
77C	30	80+90	649334	654998	DFT-s 16 QAM	100@117	128@0	21.71	-15.82	21.71	19.01	0.0796
77C	30	80+90	653004	658668	DFT-s QPSK	100@117	128@0	21.9	-16.39	21.90	19.20	0.0832
77C	30	80+90	653004	658668	DFT-s 16 QAM	100@117	128@0	21.89	-16.41	21.89	19.19	0.0830
77C	30	80+90	656668	662332	DFT-s QPSK	100@117	128@0	21.78	-14.88	21.78	19.08	0.0809
77C	30	80+90	656668	662332	DFT-s 16 QAM	100@117	128@0	21.69	-14.87	21.69	18.99	0.0793
77C	30	100+60	650000	655320	DFT-s QPSK	162@111	54@0	21.8	-14.94	21.80	19.10	0.0813



77C	30	100+60	650000	655320	DFT-s 16 QAM	162@111	54@0	21.71	-14.95	21.71	19.01	0.0796
77C	30	100+60	654006	659326	DFT-s QPSK	162@111	54@0	21.86	-16.26	21.86	19.16	0.0824
77C	30	100+60	654006	659326	DFT-s 16 QAM	162@111	54@0	21.81	-15.25	21.81	19.11	0.0815
77C	30	100+60	658012	663332	DFT-s QPSK	162@111	54@0	21.6	-15.09	21.60	18.90	0.0776
77C	30	100+60	658012	663332	DFT-s 16 QAM	162@111	54@0	21.58	-15.05	21.58	18.88	0.0773
77C	30	60+100	648668	653988	DFT-s QPSK	54@108	162@0	21.75	-14.58	21.75	19.05	0.0804
77C	30	60+100	648668	653988	DFT-s 16 QAM	54@108	162@0	21.67	-15.54	21.67	18.97	0.0789
77C	30	60+100	652674	657994	DFT-s QPSK	54@108	162@0	21.8	-16.04	21.80	19.10	0.0813
77C	30	60+100	652674	657994	DFT-s 16 QAM	54@108	162@0	21.76	-15	21.76	19.06	0.0806
77C	30	60+100	656680	662000	DFT-s QPSK	54@108	162@0	21.71	-16.01	21.71	19.01	0.0796
77C	30	60+100	656680	662000	DFT-s 16 QAM	54@108	162@0	21.62	-15.97	21.62	18.92	0.0780
77C	30	90+70	649668	654996	DFT-s QPSK	120@60	90@45	19.46	-18.31	19.46	16.76	0.0474
77C	30	90+70	649668	654996	DFT-s 16 QAM	120@60	90@45	19.45	-18.32	19.45	16.75	0.0473
77C	30	90+70	653670	658998	DFT-s QPSK	120@60	90@45	19.56	-18.88	19.56	16.86	0.0485
77C	30	90+70	653670	658998	DFT-s 16 QAM	120@60	90@45	19.53	-17.96	19.53	16.83	0.0482
77C	30	90+70	657672	663000	DFT-s QPSK	120@60	90@45	19.55	-18.75	19.55	16.85	0.0484
77C	30	90+70	657672	663000	DFT-s 16 QAM	120@60	90@45	19.42	-19.24	19.42	16.72	0.0470
77C	30	70+90	648668	653996	DFT-s QPSK	90@45	120@60	19.45	-18.25	19.45	16.75	0.0473
77C	30	70+90	648668	653996	DFT-s 16 QAM	90@45	120@60	19.44	-18.26	19.44	16.74	0.0472
77C	30	70+90	652836	658164	DFT-s QPSK	90@45	120@60	19.51	-18.55	19.51	16.81	0.0480
77C	30	70+90	652836	658164	DFT-s 16 QAM	90@45	120@60	19.51	-18.58	19.51	16.81	0.0480
77C	30	70+90	657004	662332	DFT-s QPSK	90@45	120@60	19.57	-18.37	19.57	16.87	0.0486
77C	30	70+90	657004	662332	DFT-s 16 QAM	90@45	120@60	19.52	-18.33	19.52	16.82	0.0481
77C	30	80+80	649334	654666	DFT-s QPSK	108@109	108@0	21.81	-15.86	21.81	19.11	0.0815
77C	30	80+80	649334	654666	DFT-s 16 QAM	108@109	108@0	21.79	-15.88	21.79	19.09	0.0811
77C	30	80+80	653334	658666	DFT-s QPSK	108@109	108@0	21.75	-15.34	21.75	19.05	0.0804
77C	30	80+80	653334	658666	DFT-s 16 QAM	108@109	108@0	21.71	-15.29	21.71	19.01	0.0796
77C	30	80+80	657334	662666	DFT-s QPSK	108@109	108@0	21.76	-16.25	21.76	19.06	0.0806
77C	30	80+80	657334	662666	DFT-s 16 QAM	108@109	108@0	21.74	-16.25	21.74	19.04	0.0802
77C	30	100+50	650000	654984	DFT-s QPSK	162@111	32@0	21.78	-16.11	21.78	19.08	0.0809
77C	30	100+50	650000	654984	DFT-s 16 QAM	162@111	32@0	21.75	-16.07	21.75	19.05	0.0804
77C	30	100+50	654342	659326	DFT-s QPSK	162@111	32@0	21.81	-16.53	21.81	19.11	0.0815
77C	30	100+50	654342	659326	DFT-s 16 QAM	162@111	32@0	21.8	-16.56	21.80	19.10	0.0813
77C	30	100+50	658682	663666	DFT-s QPSK	162@111	32@0	21.47	-16.22	21.47	18.77	0.0753



77C	30	100+50	658682	663666	DFT-s 16 QAM	162@111	32@0	21.46	-16.23	21.46	18.76	0.0752
77C	30	50+100	648334	653318	DFT-s QPSK	32@101	162@0	21.8	-15.59	21.80	19.10	0.0813
77C	30	50+100	648334	653318	DFT-s 16 QAM	32@101	162@0	21.76	-15.57	21.76	19.06	0.0806
77C	30	50+100	652680	657664	DFT-s QPSK	32@101	162@0	21.84	-16.03	21.84	19.14	0.0820
77C	30	50+100	652680	657664	DFT-s 16 QAM	32@101	162@0	21.82	-16.07	21.82	19.12	0.0817
77C	30	50+100	657016	662000	DFT-s QPSK	32@101	162@0	21.84	-15.82	21.84	19.14	0.0820
77C	30	50+100	657016	662000	DFT-s 16 QAM	32@101	162@0	21.83	-15.8	21.83	19.13	0.0819
77C	30	90+60	649668	654660	DFT-s QPSK	144@101	54@0	21.88	-15.88	21.88	19.18	0.0828
77C	30	90+60	649668	654660	DFT-s 16 QAM	144@101	54@0	21.86	-15.9	21.86	19.16	0.0824
77C	30	90+60	654006	658998	DFT-s QPSK	144@101	54@0	21.85	-16.52	21.85	19.15	0.0822
77C	30	90+60	654006	658998	DFT-s 16 QAM	144@101	54@0	21.86	-16.38	21.86	19.16	0.0824
77C	30	90+60	658340	663332	DFT-s QPSK	144@101	54@0	21.83	-16.41	21.83	19.13	0.0819
77C	30	90+60	658340	663332	DFT-s 16 QAM	144@101	54@0	21.81	-16.37	21.81	19.11	0.0815
77C	30	60+90	648668	653660	DFT-s QPSK	54@108	144@0	21.91	-16.51	21.91	19.21	0.0834
77C	30	60+90	648668	653660	DFT-s 16 QAM	54@108	144@0	21.88	-16.46	21.88	19.18	0.0828
77C	30	60+90	653004	657996	DFT-s QPSK	54@108	144@0	22.01	-14.11	22.01	19.31	0.0853
77C	30	60+90	653004	657996	DFT-s 16 QAM	54@108	144@0	21.94	-13.77	21.94	19.24	0.0840
77C	30	60+90	657340	662332	DFT-s QPSK	54@108	144@0	22	-14.22	22.00	19.30	0.0851
77C	30	60+90	657340	662332	DFT-s 16 QAM	54@108	144@0	21.96	-13.76	21.96	19.26	0.0844
77C	30	80+70	649334	654330	DFT-s QPSK	108@54	90@45	19.43	-19.1	19.43	16.73	0.0471
77C	30	80+70	649334	654330	DFT-s 16 QAM	108@54	90@45	19.38	-18.12	19.38	16.68	0.0466
77C	30	80+70	653670	658666	DFT-s QPSK	108@54	90@45	19.45	-19.02	19.45	16.75	0.0473
77C	30	80+70	653670	658666	DFT-s 16 QAM	108@54	90@45	19.89	-19.14	19.89	17.19	0.0524
77C	30	80+70	658004	663000	DFT-s QPSK	108@54	90@45	19.43	-18.98	19.43	16.73	0.0471
77C	30	80+70	658004	663000	DFT-s 16 QAM	108@54	90@45	19.46	-19.11	19.46	16.76	0.0474
77C	30	70+80	648668	653664	DFT-s QPSK	90@45	108@54	19.42	-19.22	19.42	16.72	0.0470
77C	30	70+80	648668	653664	DFT-s 16 QAM	90@45	108@54	19.48	-19.19	19.48	16.78	0.0476
77C	30	70+80	653172	658168	DFT-s QPSK	90@45	108@54	19.41	-19.26	19.41	16.71	0.0469
77C	30	70+80	653172	658168	DFT-s 16 QAM	90@45	108@54	19.4	-19.3	19.40	16.70	0.0468
77C	30	70+80	657670	662666	DFT-s QPSK	90@45	108@54	19.45	-19.14	19.45	16.75	0.0473
77C	30	70+80	657670	662666	DFT-s 16 QAM	90@45	108@54	19.43	-19.16	19.43	16.73	0.0471
77C	30	100+40	650000	654648	DFT-s QPSK	180@93	6@0	21.71	-16.29	21.71	19.01	0.0796
77C	30	100+40	650000	654648	DFT-s 16 QAM	180@93	6@0	21.76	-16.2	21.76	19.06	0.0806
77C	30	100+40	654678	659326	DFT-s QPSK	180@93	6@0	21.79	-16.25	21.79	19.09	0.0811



77C	30	100+40	654678	659326	DFT-s 16 QAM	180@93	6@0	21.7	-16.25	21.70	19.00	0.0794
77C	30	100+40	659352	664000	DFT-s QPSK	180@93	6@0	21.85	-16.17	21.85	19.15	0.0822
77C	30	100+40	659352	664000	DFT-s 16 QAM	180@93	6@0	21.82	-16.25	21.82	19.12	0.0817
77C	30	40+100	648000	652648	DFT-s QPSK	6@100	180@0	21.77	-13.18	21.77	19.07	0.0807
77C	30	40+100	648000	652648	DFT-s 16 QAM	6@100	180@0	21.76	-13.11	21.76	19.06	0.0806
77C	30	40+100	652680	657328	DFT-s QPSK	6@100	180@0	21.8	-13.1	21.80	19.10	0.0813
77C	30	40+100	652680	657328	DFT-s 16 QAM	6@100	180@0	21.78	-13.07	21.78	19.08	0.0809
77C	30	40+100	657352	662000	DFT-s QPSK	6@100	180@0	21.76	-13.22	21.76	19.06	0.0806
77C	30	40+100	657352	662000	DFT-s 16 QAM	6@100	180@0	21.73	-13.17	21.73	19.03	0.0800
77C	30	90+50	649668	654324	DFT-s QPSK	150@95	36@0	22.06	-14.82	22.06	19.36	0.0863
77C	30	90+50	649668	654324	DFT-s 16 QAM	150@95	36@0	22.05	-11.11	22.05	19.35	0.0861
77C	30	90+50	654342	658998	DFT-s QPSK	150@95	36@0	22.01	-14.69	22.01	19.31	0.0853
77C	30	90+50	654342	658998	DFT-s 16 QAM	150@95	36@0	22.07	-11.03	22.07	19.37	0.0865
77C	30	90+50	659010	663666	DFT-s QPSK	150@95	36@0	22.04	-14.9	22.04	19.34	0.0859
77C	30	90+50	659010	663666	DFT-s 16 QAM	150@95	36@0	22.02	-10.97	22.02	19.32	0.0855
77C	30	50+90	648334	652990	DFT-s QPSK	36@97	150@0	21.73	-14.75	21.73	19.03	0.0800
77C	30	50+90	648334	652990	DFT-s 16 QAM	36@97	150@0	21.81	-14.22	21.81	19.11	0.0815
77C	30	50+90	653010	657666	DFT-s QPSK	36@97	150@0	21.74	-14.71	21.74	19.04	0.0802
77C	30	50+90	653010	657666	DFT-s 16 QAM	36@97	150@0	21.83	-14.18	21.83	19.13	0.0819
77C	30	50+90	657676	662332	DFT-s QPSK	36@97	150@0	21.72	-14.77	21.72	19.02	0.0798
77C	30	50+90	657676	662332	DFT-s 16 QAM	36@97	150@0	21.78	-14.28	21.78	19.08	0.0809
77C	30	80+60	649334	653994	DFT-s QPSK	120@97	64@0	21.85	-15.6	21.85	19.15	0.0822
77C	30	80+60	649334	653994	DFT-s 16 QAM	120@97	64@0	21.83	-15.25	21.83	19.13	0.0819
77C	30	80+60	654006	658666	DFT-s QPSK	120@97	64@0	21.92	-15.5	21.92	19.22	0.0836
77C	30	80+60	654006	658666	DFT-s 16 QAM	120@97	64@0	21.85	-15.19	21.85	19.15	0.0822
77C	30	80+60	658672	663332	DFT-s QPSK	120@97	64@0	21.76	-15.72	21.76	19.06	0.0806
77C	30	80+60	658672	663332	DFT-s 16 QAM	120@97	64@0	21.8	-15.3	21.80	19.10	0.0813
77C	30	60+80	648668	653328	DFT-s QPSK	64@98	120@0	21.78	-15.86	21.78	19.08	0.0809
77C	30	60+80	648668	653328	DFT-s 16 QAM	64@98	120@0	21.74	-15.62	21.74	19.04	0.0802
77C	30	60+80	653340	658000	DFT-s QPSK	64@98	120@0	21.8	-15.81	21.80	19.10	0.0813
77C	30	60+80	653340	658000	DFT-s 16 QAM	64@98	120@0	21.75	-15.57	21.75	19.05	0.0804
77C	30	60+80	658006	662666	DFT-s QPSK	64@98	120@0	21.74	-15.91	21.74	19.04	0.0802
77C	30	60+80	658006	662666	DFT-s 16 QAM	64@98	120@0	21.68	-15.71	21.68	18.98	0.0791
77C	30	70+70	648668	653332	DFT-s QPSK	90@45	90@45	19.43	-19.18	19.43	16.73	0.0471



77C	30	70+70	648668	653332	DFT-s 16 QAM	90@45	90@45	19.44	-19.13	19.44	16.74	0.0472
77C	30	70+70	653502	658166	DFT-s QPSK	90@45	90@45	19.45	-19.14	19.45	16.75	0.0473
77C	30	70+70	653502	658166	DFT-s 16 QAM	90@45	90@45	19.46	-19.11	19.46	16.76	0.0474
77C	30	70+70	658336	663000	DFT-s QPSK	90@45	90@45	19.4	-19.24	19.40	16.70	0.0468
77C	30	70+70	658336	663000	DFT-s 16 QAM	90@45	90@45	19.43	-19.14	19.43	16.73	0.0471
77C	30	100+30	650000	654326	DFT-s QPSK	162@108	0@0	21.82	-27.43	21.82	19.12	0.0817
77C	30	100+30	650000	654326	DFT-s 16 QAM	162@108	0@0	21.84	-26.3	21.84	19.14	0.0820
77C	30	100+30	655008	659334	DFT-s QPSK	162@108	0@0	21.85	-27.38	21.85	19.15	0.0822
77C	30	100+30	655008	659334	DFT-s 16 QAM	162@108	0@0	21.89	-25.95	21.89	19.19	0.0830
77C	30	100+30	660006	664332	DFT-s QPSK	162@108	0@0	21.78	-27.48	21.78	19.08	0.0809
77C	30	100+30	660006	664332	DFT-s 16 QAM	162@108	0@0	21.76	-26.59	21.76	19.06	0.0805
77C	30	30+100	647668	651994	DFT-s QPSK	75@3	270@0	21.24	-16.16	21.24	18.54	0.0715
77C	30	30+100	647668	651994	DFT-s 16 QAM	75@3	270@0	21.16	-16.08	21.16	18.46	0.0702
77C	30	30+100	652674	657000	DFT-s QPSK	75@3	270@0	21.13	-15.91	21.13	18.43	0.0697
77C	30	30+100	652674	657000	DFT-s 16 QAM	75@3	270@0	21.07	-15.88	21.07	18.37	0.0687
77C	30	30+100	657674	662000	DFT-s QPSK	75@3	270@0	21.43	-15.66	21.43	18.73	0.0747
77C	30	30+100	657674	662000	DFT-s 16 QAM	75@3	270@0	21.37	-15.56	21.37	18.67	0.0736
77C	30	90+40	649668	653988	DFT-s QPSK	160@85	10@0	21.84	-16.25	21.84	19.14	0.0820
77C	30	90+40	649668	653988	DFT-s 16 QAM	160@85	10@0	21.88	-16	21.88	19.18	0.0828
77C	30	90+40	654678	658998	DFT-s QPSK	160@85	10@0	21.88	-16.15	21.88	19.18	0.0828
77C	30	90+40	654678	658998	DFT-s 16 QAM	160@85	10@0	21.9	-15.92	21.90	19.20	0.0832
77C	30	90+40	659680	664000	DFT-s QPSK	160@85	10@0	21.8	-16.32	21.80	19.10	0.0813
77C	30	90+40	659680	664000	DFT-s 16 QAM	160@85	10@0	21.8	-16.04	21.80	19.10	0.0813
77C	30	40+90	648000	652320	DFT-s QPSK	20@86	150@0	21.82	-15.54	21.82	19.12	0.0817
77C	30	40+90	648000	652320	DFT-s 16 QAM	20@86	150@0	21.83	-15.18	21.83	19.13	0.0819
77C	30	40+90	653010	657330	DFT-s QPSK	20@86	150@0	21.85	-15.47	21.85	19.15	0.0822
77C	30	40+90	653010	657330	DFT-s 16 QAM	20@86	150@0	21.85	-15.14	21.85	19.15	0.0822
77C	30	40+90	658012	662332	DFT-s QPSK	20@86	150@0	21.81	-15.58	21.81	19.11	0.0815
77C	30	40+90	658012	662332	DFT-s 16 QAM	20@86	150@0	21.82	-15.21	21.82	19.12	0.0817
77C	30	80+50	649334	653658	DFT-s QPSK	128@89	45@0	21.8	-16.05	21.80	19.10	0.0813
77C	30	80+50	649334	653658	DFT-s 16 QAM	128@89	45@0	21.84	-15.69	21.84	19.14	0.0820
77C	30	80+50	654342	658666	DFT-s QPSK	128@89	45@0	21.83	-16.01	21.83	19.13	0.0819
77C	30	80+50	654342	658666	DFT-s 16 QAM	128@89	45@0	21.88	-15.61	21.88	19.18	0.0828
77C	30	80+50	659342	663666	DFT-s QPSK	128@89	45@0	21.78	-16.09	21.78	19.08	0.0809



77C	30	80+50	659342	663666	DFT-s 16 QAM	128@89	45@0	21.8	-15.75	21.80	19.10	0.0813
77C	30	50+80	648334	652658	DFT-s QPSK	45@88	128@0	21.8	-15.25	21.80	19.10	0.0813
77C	30	50+80	648334	652658	DFT-s 16 QAM	45@88	128@0	21.86	-14.82	21.86	19.16	0.0824
77C	30	50+80	653340	657664	DFT-s QPSK	45@88	128@0	21.82	-15.2	21.82	19.12	0.0817
77C	30	50+80	653340	657664	DFT-s 16 QAM	45@88	128@0	21.87	-14.78	21.87	19.17	0.0826
77C	30	50+80	658342	662666	DFT-s QPSK	45@88	128@0	21.78	-15.29	21.78	19.08	0.0809
77C	30	50+80	658342	662666	DFT-s 16 QAM	45@88	128@0	21.85	-14.85	21.85	19.15	0.0822
77C	30	70+60	648668	652992	DFT-s QPSK	90@45	81@40	19.48	-19.26	19.48	16.78	0.0476
77C	30	70+60	648668	652992	DFT-s 16 QAM	90@45	81@40	19.51	-19.17	19.51	16.81	0.0480
77C	30	70+60	653838	658162	DFT-s QPSK	90@45	81@40	19.51	-19.25	19.51	16.81	0.0480
77C	30	70+60	653838	658162	DFT-s 16 QAM	90@45	81@40	19.54	-19.13	19.54	16.84	0.0483
77C	30	70+60	659008	663332	DFT-s QPSK	90@45	81@40	19.46	-19.27	19.46	16.76	0.0474
77C	30	70+60	659008	663332	DFT-s 16 QAM	90@45	81@40	19.49	-19.21	19.49	16.79	0.0478
77C	30	60+70	648668	652992	DFT-s QPSK	81@40	90@45	19.44	-19.02	19.44	16.74	0.0472
77C	30	60+70	648668	652992	DFT-s 16 QAM	81@40	90@45	19.42	-18.96	19.42	16.72	0.0470
77C	30	60+70	653676	658000	DFT-s QPSK	81@40	90@45	19.46	-18.87	19.46	16.76	0.0474
77C	30	60+70	653676	658000	DFT-s 16 QAM	81@40	90@45	19.45	-18.92	19.45	16.75	0.0473
77C	30	60+70	658676	663000	DFT-s QPSK	81@40	90@45	19.4	-19.11	19.40	16.70	0.0468
77C	30	60+70	658676	663000	DFT-s 16 QAM	81@40	90@45	19.4	-19.03	19.40	16.70	0.0468
77C	30	100+25	650000	654160	DFT-s QPSK	162@95	0@0	21.81	-28.64	21.81	19.11	0.0815
77C	30	100+25	650000	654160	DFT-s 16 QAM	162@95	0@0	21.83	-21.17	21.83	19.13	0.0819
77C	30	100+25	655170	659330	DFT-s QPSK	162@95	0@0	21.84	-28.59	21.84	19.14	0.0820
77C	30	100+25	655170	659330	DFT-s 16 QAM	162@95	0@0	21.86	-26.91	21.86	19.16	0.0824
77C	30	100+25	660304	664500	DFT-s QPSK	162@95	0@0	21.78	-28.7	21.78	19.08	0.0809
77C	30	100+25	660304	664500	DFT-s 16 QAM	162@95	0@0	21.8	-27.68	21.80	19.10	0.0813
77C	30	25+100	647500	651660	DFT-s QPSK	64@1	270@0	21.44	-16.72	21.44	18.74	0.0748
77C	30	25+100	647500	651660	DFT-s 16 QAM	64@1	270@0	21.41	-15.82	21.41	18.71	0.0743
77C	30	25+100	652674	656834	DFT-s QPSK	64@1	270@0	21.45	-16.7	21.45	18.75	0.0750
77C	30	25+100	652674	656834	DFT-s 16 QAM	64@1	270@0	21.37	-15.89	21.37	18.67	0.0736
77C	30	25+100	657840	662000	DFT-s QPSK	64@1	270@0	21.42	-16.69	21.42	18.72	0.0745
77C	30	25+100	657840	662000	DFT-s 16 QAM	64@1	270@0	21.38	-15.83	21.38	18.68	0.0738
77C	30	100+20	650000	653996	DFT-s QPSK	162@81	0@0	21.84	-29.42	21.84	19.14	0.0820
77C	30	100+20	650000	653996	DFT-s 16 QAM	162@81	0@0	21.83	-28.44	21.83	19.13	0.0818
77C	30	100+20	655338	659334	DFT-s QPSK	162@81	0@0	21.9	-29.28	21.90	19.20	0.0832



77C	30	100+20	655338	659334	DFT-s 16 QAM	162@81	0@0	21.88	-28.34	21.88	19.18	0.0828
77C	30	100+20	660670	664666	DFT-s QPSK	162@81	0@0	21.82	-29.49	21.82	19.12	0.0817
77C	30	100+20	660670	664666	DFT-s 16 QAM	162@81	0@0	21.8	-28.56	21.80	19.10	0.0813
77C	30	20+100	647334	651330	DFT-s QPSK	50@1	270@0	21.21	-21.62	21.21	18.51	0.0710
77C	30	20+100	647334	651330	DFT-s 16 QAM	50@1	270@0	20.68	-21.84	20.68	17.98	0.0628
77C	30	20+100	652674	656670	DFT-s QPSK	50@1	270@0	21.34	-22.34	21.34	18.64	0.0731
77C	30	20+100	652674	656670	DFT-s 16 QAM	50@1	270@0	20.6	-21.52	20.60	17.90	0.0617
77C	30	20+100	658004	662000	DFT-s QPSK	50@1	270@0	21.25	-21.71	21.25	18.55	0.0716
77C	30	20+100	658004	662000	DFT-s 16 QAM	50@1	270@0	20.65	-21.5	20.65	17.95	0.0624
77C	30	90+30	649668	653660	DFT-s QPSK	160@83	0@0	21.85	-25.85	21.85	19.15	0.0822
77C	30	90+30	649668	653660	DFT-s 16 QAM	160@83	0@0	21.86	-25.36	21.86	19.16	0.0824
77C	30	90+30	655008	659000	DFT-s QPSK	160@83	0@0	21.9	-25.76	21.90	19.20	0.0832
77C	30	90+30	655008	659000	DFT-s 16 QAM	160@83	0@0	21.88	-25.3	21.88	19.18	0.0828
77C	30	90+30	660340	664332	DFT-s QPSK	160@83	0@0	21.8	-25.97	21.80	19.10	0.0813
77C	30	90+30	660340	664332	DFT-s 16 QAM	160@83	0@0	21.82	-25.45	21.82	19.12	0.0817
77C	30	30+90	647668	651660	DFT-s QPSK	75@3	243@0	21.29	-15.98	21.29	18.59	0.0723
77C	30	30+90	647668	651660	DFT-s 16 QAM	75@3	243@0	21.25	-16.22	21.25	18.55	0.0716
77C	30	30+90	653004	656996	DFT-s QPSK	75@3	243@0	21.33	-15.93	21.33	18.63	0.0730
77C	30	30+90	653004	656996	DFT-s 16 QAM	75@3	243@0	21.32	-16.3	21.32	18.62	0.0728
77C	30	30+90	658340	662332	DFT-s QPSK	75@3	243@0	21.32	-15.95	21.32	18.62	0.0728
77C	30	30+90	658340	662332	DFT-s 16 QAM	75@3	243@0	21.2	-16.34	21.20	18.50	0.0708
77C	30	80+40	649334	653322	DFT-s QPSK	135@82	24@0	21.8	-16.25	21.80	19.10	0.0813
77C	30	80+40	649334	653322	DFT-s 16 QAM	135@82	24@0	21.79	-16.03	21.79	19.09	0.0811
77C	30	80+40	654678	658666	DFT-s QPSK	135@82	24@0	21.85	-16.2	21.85	19.15	0.0822
77C	30	80+40	654678	658666	DFT-s 16 QAM	135@82	24@0	21.84	-15.97	21.84	19.14	0.0820
77C	30	80+40	660012	664000	DFT-s QPSK	135@82	24@0	21.77	-16.3	21.77	19.07	0.0807
77C	30	80+40	660012	664000	DFT-s 16 QAM	135@82	24@0	21.74	-16.07	21.74	19.04	0.0802
77C	30	40+80	648000	651988	DFT-s QPSK	25@81	135@0	21.84	-15.74	21.84	19.14	0.0820
77C	30	40+80	648000	651988	DFT-s 16 QAM	25@81	135@0	21.87	-15.4	21.87	19.17	0.0826
77C	30	40+80	653340	657328	DFT-s QPSK	25@81	135@0	21.87	-15.69	21.87	19.17	0.0826
77C	30	40+80	653340	657328	DFT-s 16 QAM	25@81	135@0	21.89	-15.32	21.89	19.19	0.0830
77C	30	40+80	658678	662666	DFT-s QPSK	25@81	135@0	21.8	-15.85	21.80	19.10	0.0813
77C	30	40+80	658678	662666	DFT-s 16 QAM	25@81	135@0	21.86	-15.45	21.86	19.16	0.0824
77C	30	70+50	648668	652660	DFT-s QPSK	90@45	64@32	19.53	-19.68	19.53	16.83	0.0482



77C	30	70+50	648668	652660	DFT-s 16 QAM	90@45	64@32	19.51	-19.57	19.51	16.81	0.0480
77C	30	70+50	654174	658166	DFT-s QPSK	90@45	64@32	19.49	-19.65	19.49	16.79	0.0478
77C	30	70+50	654174	658166	DFT-s 16 QAM	90@45	64@32	19.58	-19.54	19.58	16.88	0.0488
77C	30	70+50	659674	663666	DFT-s QPSK	90@45	64@32	19.45	-19.73	19.45	16.75	0.0473
77C	30	70+50	659674	663666	DFT-s 16 QAM	90@45	64@32	19.5	-19.59	19.50	16.80	0.0479
77C	30	50+70	648334	652326	DFT-s QPSK	64@32	90@45	19.55	-18.93	19.55	16.85	0.0484
77C	30	50+70	648334	652326	DFT-s 16 QAM	64@32	90@45	19.51	-18.87	19.51	16.81	0.0480
77C	30	50+70	653676	657668	DFT-s QPSK	64@32	90@45	19.59	-18.88	19.59	16.89	0.0489
77C	30	50+70	653676	657668	DFT-s 16 QAM	64@32	90@45	19.56	-18.83	19.56	16.86	0.0485
77C	30	50+70	659008	663000	DFT-s QPSK	64@32	90@45	19.53	-18.97	19.53	16.83	0.0482
77C	30	50+70	659008	663000	DFT-s 16 QAM	64@32	90@45	19.5	-18.9	19.50	16.80	0.0479
77C	30	60+60	648668	652668	DFT-s QPSK	81@81	81@0	21.82	-15.94	21.82	19.12	0.0817
77C	30	60+60	648668	652668	DFT-s 16 QAM	81@81	81@0	21.79	-15.58	21.79	19.09	0.0811
77C	30	60+60	654000	658000	DFT-s QPSK	81@81	81@0	21.88	-15.85	21.88	19.18	0.0828
77C	30	60+60	654000	658000	DFT-s 16 QAM	81@81	81@0	21.83	-15.56	21.83	19.13	0.0819
77C	30	60+60	659332	663332	DFT-s QPSK	81@81	81@0	21.75	-16.05	21.75	19.05	0.0804
77C	30	60+60	659332	663332	DFT-s 16 QAM	81@81	81@0	21.78	-15.6	21.78	19.08	0.0809
77C	30	100+15	650000	653808	DFT-s QPSK	150@86	0@0	21.82	-31.77	21.82	19.12	0.0817
77C	30	100+15	650000	653808	DFT-s 16 QAM	150@86	0@0	21.82	-27.23	21.82	19.12	0.0817
77C	30	100+15	655512	659320	DFT-s QPSK	150@86	0@0	21.84	-31.63	21.84	19.14	0.0820
77C	30	100+15	655512	659320	DFT-s 16 QAM	150@86	0@0	21.89	-26.58	21.89	19.19	0.0830
77C	30	100+15	661024	664832	DFT-s QPSK	150@86	0@0	21.79	-31.84	21.79	19.09	0.0811
77C	30	100+15	661024	664832	DFT-s 16 QAM	150@86	0@0	21.77	-27.77	21.77	19.07	0.0807
77C	30	15+100	647168	650976	DFT-s QPSK	36@2	270@0	21.31	-15.25	21.31	18.61	0.0726
77C	30	15+100	647168	650976	DFT-s 16 QAM	36@2	270@0	21.26	-15.83	21.26	18.56	0.0718
77C	30	15+100	652680	656488	DFT-s QPSK	36@2	270@0	21.3	-15.27	21.30	18.60	0.0725
77C	30	15+100	652680	656488	DFT-s 16 QAM	36@2	270@0	21.2	-15.36	21.20	18.50	0.0708
77C	30	15+100	658192	662000	DFT-s QPSK	36@2	270@0	21.31	-15.24	21.31	18.61	0.0726
77C	30	15+100	658192	662000	DFT-s 16 QAM	36@2	270@0	21.24	-15.55	21.24	18.54	0.0715
77C	30	90+25	649668	653492	DFT-s QPSK	150@85	0@0	21.84	-27.93	21.84	19.14	0.0820
77C	30	90+25	649668	653492	DFT-s 16 QAM	150@85	0@0	21.86	-24.93	21.86	19.16	0.0824
77C	30	90+25	655176	659000	DFT-s QPSK	150@85	0@0	21.86	-27.92	21.86	19.16	0.0824
77C	30	90+25	655176	659000	DFT-s 16 QAM	150@85	0@0	21.88	-24.82	21.88	19.18	0.0828
77C	30	90+25	660676	664500	DFT-s QPSK	150@85	0@0	21.92	-27.87	21.92	19.22	0.0836



77C	30	90+25	660676	664500	DFT-s 16 QAM	150@85	0@0	21.79	-25	21.79	19.09	0.0811
77C	30	25+90	647500	651324	DFT-s QPSK	64@1	245@0	21.34	-16.71	21.34	18.64	0.0731
77C	30	25+90	647500	651324	DFT-s 16 QAM	64@1	245@0	21.28	-15.89	21.28	18.58	0.0721
77C	30	25+90	653004	656828	DFT-s QPSK	64@1	245@0	21.36	-16.59	21.36	18.66	0.0735
77C	30	25+90	653004	656828	DFT-s 16 QAM	64@1	245@0	21.34	-15.99	21.34	18.64	0.0731
77C	30	25+90	658508	662332	DFT-s QPSK	64@1	245@0	21.36	-16.65	21.36	18.66	0.0735
77C	30	25+90	658508	662332	DFT-s 16 QAM	64@1	245@0	21.23	-15.79	21.23	18.53	0.0713
77C	30	100+10	650000	653640	DFT-s QPSK	144@81	0@0	21.94	-31.02	21.94	19.24	0.0839
77C	30	100+10	650000	653640	DFT-s 16 QAM	144@81	0@0	21.85	-31.12	21.85	19.15	0.0822
77C	30	100+10	655680	659320	DFT-s QPSK	144@81	0@0	21.87	-31.12	21.87	19.17	0.0826
77C	30	100+10	655680	659320	DFT-s 16 QAM	144@81	0@0	21.81	-31.15	21.81	19.11	0.0815
77C	30	100+10	661360	665000	DFT-s QPSK	144@81	0@0	21.85	-30.91	21.85	19.15	0.0822
77C	30	100+10	661360	665000	DFT-s 16 QAM	144@81	0@0	21.91	-31.17	21.91	19.21	0.0834
77C	30	10+100	647000	650640	DFT-s QPSK	24@0	270@0	21.35	-15.81	21.35	18.65	0.0733
77C	30	10+100	647000	650640	DFT-s 16 QAM	24@0	270@0	21.23	-15.93	21.23	18.53	0.0713
77C	30	10+100	652680	656320	DFT-s QPSK	24@0	270@0	21.37	-15.75	21.37	18.67	0.0736
77C	30	10+100	652680	656320	DFT-s 16 QAM	24@0	270@0	21.21	-15.82	21.21	18.51	0.0710
77C	30	10+100	658360	662000	DFT-s QPSK	24@0	270@0	21.39	-15.71	21.39	18.69	0.0740
77C	30	10+100	658360	662000	DFT-s 16 QAM	24@0	270@0	21.23	-15.78	21.23	18.53	0.0713
77C	30	90+20	649668	653328	DFT-s QPSK	144@80	0@0	21.89	-18.63	21.89	19.19	0.0830
77C	30	90+20	649668	653328	DFT-s 16 QAM	144@80	0@0	21.92	-18.74	21.92	19.22	0.0836
77C	30	90+20	655338	658998	DFT-s QPSK	144@80	0@0	21.93	-18.63	21.93	19.23	0.0838
77C	30	90+20	655338	658998	DFT-s 16 QAM	144@80	0@0	21.89	-18.64	21.89	19.19	0.0830
77C	30	90+20	661006	664666	DFT-s QPSK	144@80	0@0	21.97	-18.65	21.97	19.27	0.0845
77C	30	90+20	661006	664666	DFT-s 16 QAM	144@80	0@0	21.83	-18.68	21.83	19.13	0.0819
77C	30	20+90	647334	650994	DFT-s QPSK	50@1	245@0	21.32	-15.69	21.32	18.62	0.0728
77C	30	20+90	647334	650994	DFT-s 16 QAM	50@1	245@0	21.22	-15.76	21.22	18.52	0.0711
77C	30	20+90	653004	656664	DFT-s QPSK	50@1	245@0	21.38	-15.72	21.38	18.68	0.0738
77C	30	20+90	653004	656664	DFT-s 16 QAM	50@1	245@0	21.21	-15.89	21.21	18.51	0.0710
77C	30	20+90	658672	662332	DFT-s QPSK	50@1	245@0	21.25	-15.66	21.25	18.55	0.0716
77C	30	20+90	658672	662332	DFT-s 16 QAM	50@1	245@0	21.36	-15.76	21.36	18.66	0.0735
77C	30	80+30	649334	652990	DFT-s QPSK	144@73	2@0	21.17	-16.17	21.17	18.47	0.0703
77C	30	80+30	649334	652990	DFT-s 16 QAM	144@73	2@0	21.22	-16.09	21.22	18.52	0.0711
77C	30	80+30	655008	658664	DFT-s QPSK	144@73	2@0	21.2	-16.17	21.20	18.50	0.0708



77C	30	80+30	655008	658664	DFT-s 16 QAM	144@73	2@0	21.32	-16.03	21.32	18.62	0.0728
77C	30	80+30	660676	664332	DFT-s QPSK	144@73	2@0	21.13	-16.26	21.13	18.43	0.0697
77C	30	80+30	660676	664332	DFT-s 16 QAM	144@73	2@0	21.12	-16.12	21.12	18.42	0.0695
77C	30	30+80	647668	651324	DFT-s QPSK	3@74	144@0	21.94	-16.33	21.94	19.24	0.0840
77C	30	30+80	647668	651324	DFT-s 16 QAM	3@74	144@0	21.85	-16.41	21.85	19.15	0.0822
77C	30	30+80	653340	656996	DFT-s QPSK	3@74	144@0	21.94	-16.22	21.94	19.24	0.0840
77C	30	30+80	653340	656996	DFT-s 16 QAM	3@74	144@0	21.75	-16.38	21.75	19.05	0.0804
77C	30	30+80	659010	662666	DFT-s QPSK	3@74	144@0	21.87	-16.25	21.87	19.17	0.0826
77C	30	30+80	659010	662666	DFT-s 16 QAM	3@74	144@0	21.75	-16.52	21.75	19.05	0.0804
77C	30	70+40	648668	652324	DFT-s QPSK	90@45	50@25	19.48	-19.72	19.48	16.78	0.0476
77C	30	70+40	648668	652324	DFT-s 16 QAM	90@45	50@25	19.52	-19.73	19.52	16.82	0.0481
77C	30	70+40	654510	658166	DFT-s QPSK	90@45	50@25	19.49	-19.68	19.49	16.79	0.0478
77C	30	70+40	654510	658166	DFT-s 16 QAM	90@45	50@25	19.54	-19.74	19.54	16.84	0.0483
77C	30	70+40	660344	664000	DFT-s QPSK	90@45	50@25	19.53	-19.66	19.53	16.83	0.0482
77C	30	70+40	660344	664000	DFT-s 16 QAM	90@45	50@25	19.52	-19.74	19.52	16.82	0.0481
77C	30	40+70	648000	651656	DFT-s QPSK	50@25	90@45	19.51	-19.76	19.51	16.81	0.0480
77C	30	40+70	648000	651656	DFT-s 16 QAM	50@25	90@45	19.42	-19.82	19.42	16.72	0.0470
77C	30	40+70	653676	657332	DFT-s QPSK	50@25	90@45	19.43	-19.76	19.43	16.73	0.0471
77C	30	40+70	653676	657332	DFT-s 16 QAM	50@25	90@45	19.61	-19.77	19.61	16.91	0.0491
77C	30	40+70	659344	663000	DFT-s QPSK	50@25	90@45	19.54	-19.7	19.54	16.84	0.0483
77C	30	40+70	659344	663000	DFT-s 16 QAM	50@25	90@45	19.44	-19.72	19.44	16.74	0.0472
77C	30	60+50	648668	652320	DFT-s QPSK	81@81	60@0	21.74	-4.01	21.75	19.05	0.0804
77C	30	60+50	648668	652320	DFT-s 16 QAM	81@81	60@0	21.71	-3.91	21.72	19.02	0.0798
77C	30	60+50	654342	657994	DFT-s QPSK	81@81	60@0	21.68	-4.02	21.69	18.99	0.0793
77C	30	60+50	654342	657994	DFT-s 16 QAM	81@81	60@0	21.73	-3.86	21.74	19.04	0.0802
77C	30	60+50	660014	663666	DFT-s QPSK	81@81	60@0	21.65	-4.06	21.66	18.96	0.0787
77C	30	60+50	660014	663666	DFT-s 16 QAM	81@81	60@0	21.75	-3.84	21.76	19.06	0.0806
77C	30	50+60	648334	651986	DFT-s QPSK	60@73	81@0	21.79	-4.1	21.80	19.10	0.0813
77C	30	50+60	648334	651986	DFT-s 16 QAM	60@73	81@0	21.65	-3.81	21.66	18.96	0.0787
77C	30	50+60	654012	657664	DFT-s QPSK	60@73	81@0	21.78	-3.9	21.79	19.09	0.0811
77C	30	50+60	654012	657664	DFT-s 16 QAM	60@73	81@0	21.82	-3.85	21.83	19.13	0.0819
77C	30	50+60	659680	663332	DFT-s QPSK	60@73	81@0	21.78	-4.05	21.79	19.09	0.0811
77C	30	50+60	659680	663332	DFT-s 16 QAM	60@73	81@0	21.79	-3.83	21.80	19.10	0.0813
77C	30	90+15	649668	653140	DFT-s QPSK	120@60	18@9	21.79	-19.25	21.79	19.09	0.0811



77C	30	90+15	649668	653140	DFT-s 16 QAM	120@60	18@9	21.66	-19.22	21.66	18.96	0.0787
77C	30	90+15	655518	658990	DFT-s QPSK	120@60	18@9	21.89	-19.28	21.89	19.19	0.0830
77C	30	90+15	655518	658990	DFT-s 16 QAM	120@60	18@9	21.79	-19.11	21.79	19.09	0.0811
77C	30	90+15	661360	664832	DFT-s QPSK	120@60	18@9	21.89	-19.18	21.89	19.19	0.0830
77C	30	90+15	661360	664832	DFT-s 16 QAM	120@60	18@9	21.82	-19.3	21.82	19.12	0.0817
77C	30	15+90	647168	650640	DFT-s QPSK	36@2	245@0	21.34	-16.77	21.34	18.64	0.0731
77C	30	15+90	647168	650640	DFT-s 16 QAM	36@2	245@0	21.25	-15.79	21.25	18.55	0.0716
77C	30	15+90	653016	656488	DFT-s QPSK	36@2	245@0	21.35	-16.79	21.35	18.65	0.0733
77C	30	15+90	653016	656488	DFT-s 16 QAM	36@2	245@0	21.36	-15.69	21.36	18.66	0.0735
77C	30	15+90	658860	662332	DFT-s QPSK	36@2	245@0	21.33	-15.98	21.33	18.63	0.0730
77C	30	15+90	658860	662332	DFT-s 16 QAM	36@2	245@0	21.28	-15.52	21.28	18.58	0.0721
77C	30	80+25	649334	652822	DFT-s QPSK	108@54	32@16	19.5	-20.24	19.50	16.80	0.0479
77C	30	80+25	649334	652822	DFT-s 16 QAM	108@54	32@16	19.6	-20.14	19.60	16.90	0.0490
77C	30	80+25	655176	658664	DFT-s QPSK	108@54	32@16	19.47	-20.31	19.47	16.77	0.0475
77C	30	80+25	655176	658664	DFT-s 16 QAM	108@54	32@16	19.52	-20.03	19.52	16.82	0.0481
77C	30	80+25	661012	664500	DFT-s QPSK	108@54	32@16	19.48	-20.13	19.48	16.78	0.0476
77C	30	80+25	661012	664500	DFT-s 16 QAM	108@54	32@16	19.54	-20.1	19.54	16.84	0.0483
77C	30	25+80	647500	650988	DFT-s QPSK	64@1	216@0	21.32	-16.75	21.32	18.62	0.0728
77C	30	25+80	647500	650988	DFT-s 16 QAM	64@1	216@0	21.26	-15.96	21.26	18.56	0.0718
77C	30	25+80	653340	656828	DFT-s QPSK	64@1	216@0	21.34	-16.72	21.34	18.64	0.0731
77C	30	25+80	653340	656828	DFT-s 16 QAM	64@1	216@0	21.25	-15.75	21.25	18.55	0.0716
77C	30	25+80	659178	662666	DFT-s QPSK	64@1	216@0	21.36	-16.65	21.36	18.66	0.0735
77C	30	25+80	659178	662666	DFT-s 16 QAM	64@1	216@0	21.2	-15.69	21.20	18.50	0.0708



<SCC Power all up>

NR Band	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)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	-4.37	21.76	21.77	19.07	0.0807
77C	30	100+100	650000	656664	DFT-s BPSK	1@182	1@88	-5.61	21.72	21.73	19.03	0.0799
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	-12.54	22.22	22.22	19.52	0.0896
77C	30	100+100	650000	656664	DFT-s QPSK	1@182	1@88	-5.72	21.7	21.71	19.01	0.0796
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	-5.01	21.66	21.67	18.97	0.0789
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@182	1@88	-5.7	21.63	21.64	18.94	0.0783
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	-5.12	21.67	21.68	18.98	0.0791
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@182	1@88	-5.89	21.14	21.15	18.45	0.0700
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	-5.17	20.77	20.78	18.08	0.0643
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@182	1@88	-5.71	19.63	19.64	16.94	0.0495
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	-4.82	21.64	21.65	18.95	0.0785
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@182	1@88	-4.69	21.69	21.70	19.00	0.0794
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	-5.23	21.67	21.68	18.98	0.0790
77C	30	100+100	652668	659332	DFT-s BPSK	1@182	1@88	-5.54	21.5	21.51	18.81	0.0760
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	-4.16	21.69	21.70	19.00	0.0795
77C	30	100+100	652668	659332	DFT-s QPSK	1@182	1@88	-5.53	21.47	21.48	18.78	0.0755
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	-4.97	21.6	21.61	18.91	0.0778
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@182	1@88	-5.41	21.36	21.37	18.67	0.0736
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	-5.04	21.53	21.54	18.84	0.0766
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@182	1@88	-5.79	20.77	20.78	18.08	0.0643
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	-5.1	20.67	20.68	17.98	0.0628
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@182	1@88	-4.72	19.55	19.57	16.87	0.0486
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	-3.19	21.6	21.61	18.91	0.0779
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@182	1@88	-3.45	21.46	21.47	18.77	0.0754
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	-4.57	21.11	21.12	18.42	0.0695
77C	30	100+100	655336	662000	DFT-s BPSK	1@182	1@88	-5.45	21.02	21.03	18.33	0.0681
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	-4.55	21.08	21.09	18.39	0.0691
77C	30	100+100	655336	662000	DFT-s QPSK	1@182	1@88	-5.44	20.94	20.95	18.25	0.0668
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	-4.64	21.02	21.03	18.33	0.0681
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@182	1@88	-5.4	20.79	20.80	18.10	0.0646
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	-4.7	20.92	20.93	18.23	0.0666



77C	30	100+100	655336	662000	DFT-s 64 QAM	1@182	1@88	-5.63	20.51	20.52	17.82	0.0605
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	-4.71	20.16	20.17	17.47	0.0559
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@182	1@88	-5.7	20.4	20.41	17.71	0.0590
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	-4.39	21.04	21.05	18.35	0.0684
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@182	1@88	-5.08	20.48	20.49	17.79	0.0601
77C	30	100+90	650000	656328	DFT-s QPSK	144@129	108@0	-4.93	21.17	21.18	18.48	0.0705
77C	30	100+90	650000	656328	DFT-s 16 QAM	144@129	108@0	-4.76	21.1	21.11	18.41	0.0694
77C	30	100+90	653004	659332	DFT-s QPSK	144@129	108@0	-4.87	20.95	20.96	18.26	0.0670
77C	30	100+90	653004	659332	DFT-s 16 QAM	144@129	108@0	-4.87	20.81	20.82	18.12	0.0649
77C	30	100+90	656004	662332	DFT-s QPSK	144@129	108@0	-5.3	21.06	21.07	18.37	0.0687
77C	30	100+90	656004	662332	DFT-s 16 QAM	144@129	108@0	-5.35	20.98	20.99	18.29	0.0675
77C	30	90+100	649668	655996	DFT-s QPSK	108@137	144@0	-4.98	21.3	21.31	18.61	0.0726
77C	30	90+100	649668	655996	DFT-s 16 QAM	108@137	144@0	-4.21	21.25	21.26	18.56	0.0718
77C	30	90+100	652674	659002	DFT-s QPSK	108@137	144@0	-5.04	21.18	21.19	18.49	0.0706
77C	30	90+100	652674	659002	DFT-s 16 QAM	108@137	144@0	-5.05	21.06	21.07	18.37	0.0687
77C	30	90+100	655672	662000	DFT-s QPSK	108@137	144@0	-4.69	21.1	21.11	18.41	0.0694
77C	30	90+100	655672	662000	DFT-s 16 QAM	108@137	144@0	-4.7	21.09	21.10	18.40	0.0692
77C	30	100+80	650000	655992	DFT-s QPSK	150@123	90@0	-4.89	21.33	21.34	18.64	0.0731
77C	30	100+80	650000	655992	DFT-s 16 QAM	150@123	90@0	-4.86	21.26	21.27	18.57	0.0720
77C	30	100+80	653340	659332	DFT-s QPSK	150@123	90@0	-4.83	21.17	21.18	18.48	0.0705
77C	30	100+80	653340	659332	DFT-s 16 QAM	150@123	90@0	-4.82	21.15	21.16	18.46	0.0702
77C	30	100+80	656674	662666	DFT-s QPSK	150@123	90@0	-4.42	20.91	20.92	18.22	0.0664
77C	30	100+80	656674	662666	DFT-s 16 QAM	150@123	90@0	-4.42	20.9	20.91	18.21	0.0663
77C	30	80+100	649334	655326	DFT-s QPSK	96@121	144@0	-4.7	21.23	21.24	18.54	0.0715
77C	30	80+100	649334	655326	DFT-s 16 QAM	96@121	144@0	-4.7	21.22	21.23	18.53	0.0713
77C	30	80+100	652674	658666	DFT-s QPSK	96@121	144@0	-4.44	21.15	21.16	18.46	0.0702
77C	30	80+100	652674	658666	DFT-s 16 QAM	96@121	144@0	-4.45	21.14	21.15	18.45	0.0700
77C	30	80+100	656008	662000	DFT-s QPSK	96@121	144@0	-4.99	21.09	21.10	18.40	0.0692
77C	30	80+100	656008	662000	DFT-s 16 QAM	96@121	144@0	-5.01	21.06	21.07	18.37	0.0687
77C	30	90+90	649668	655668	DFT-s QPSK	120@125	120@0	-4.76	21.65	21.66	18.96	0.0787
77C	30	90+90	649668	655668	DFT-s 16 QAM	120@125	120@0	-4.78	21.58	21.59	18.89	0.0774
77C	30	90+90	653004	659004	DFT-s QPSK	120@125	120@0	-4.58	21.55	21.56	18.86	0.0769
77C	30	90+90	653004	659004	DFT-s 16 QAM	120@125	120@0	-4.62	21.37	21.38	18.68	0.0738
77C	30	90+90	656332	662332	DFT-s QPSK	120@125	120@0	-5.25	20.97	20.98	18.28	0.0673



77C	30	90+90	656332	662332	DFT-s 16 QAM	120@125	120@0	-5.23	20.88	20.89	18.19	0.0659
77C	30	100+70	650000	655656	DFT-s QPSK	135@67	90@45	-3.99	19.34	19.36	16.66	0.0463
77C	30	100+70	650000	655656	DFT-s 16 QAM	135@67	90@45	-3.97	19.26	19.28	16.58	0.0455
77C	30	100+70	653676	659332	DFT-s QPSK	135@67	90@45	-4.47	18.93	18.95	16.25	0.0422
77C	30	100+70	653676	659332	DFT-s 16 QAM	135@67	90@45	-4.48	18.93	18.95	16.25	0.0422
77C	30	100+70	657344	663000	DFT-s QPSK	135@67	90@45	-4.28	18.56	18.58	15.88	0.0387
77C	30	100+70	657344	663000	DFT-s 16 QAM	135@67	90@45	-4.26	18.53	18.55	15.85	0.0385
77C	30	70+100	648668	654324	DFT-s QPSK	90@45	135@67	-3.91	19.38	19.40	16.70	0.0468
77C	30	70+100	648668	654324	DFT-s 16 QAM	90@45	135@67	-3.87	19.37	19.39	16.69	0.0467
77C	30	70+100	652506	658162	DFT-s QPSK	90@45	135@67	-4.32	19.24	19.26	16.56	0.0453
77C	30	70+100	652506	658162	DFT-s 16 QAM	90@45	135@67	-4.22	19.23	19.25	16.55	0.0452
77C	30	70+100	656344	662000	DFT-s QPSK	90@45	135@67	-4.34	18.56	18.58	15.88	0.0387
77C	30	70+100	656344	662000	DFT-s 16 QAM	90@45	135@67	-4.37	18.55	18.57	15.87	0.0387
77C	30	90+80	649668	654662	DFT-s QPSK	128@117	100@0	12.23	21.06	21.59	18.89	0.0775
77C	30	90+80	649668	654662	DFT-s 16 QAM	128@117	100@0	12.07	20.9	21.43	18.73	0.0747
77C	30	90+80	653340	659004	DFT-s QPSK	128@117	100@0	-4.42	21.47	21.48	18.78	0.0755
77C	30	90+80	653340	659004	DFT-s 16 QAM	128@117	100@0	-4.41	21.38	21.39	18.69	0.0740
77C	30	90+80	657002	662666	DFT-s QPSK	128@117	100@0	-5.08	20.96	20.97	18.27	0.0672
77C	30	90+80	657002	662666	DFT-s 16 QAM	128@117	100@0	-5.09	20.95	20.96	18.26	0.0670
77C	30	80+90	649334	654998	DFT-s QPSK	100@117	128@0	-4.64	21.56	21.57	18.87	0.0771
77C	30	80+90	649334	654998	DFT-s 16 QAM	100@117	128@0	-4.6	21.42	21.43	18.73	0.0747
77C	30	80+90	653004	658668	DFT-s QPSK	100@117	128@0	-4.26	21.29	21.30	18.60	0.0725
77C	30	80+90	653004	658668	DFT-s 16 QAM	100@117	128@0	-4.27	21.23	21.24	18.54	0.0715
77C	30	80+90	656668	662332	DFT-s QPSK	100@117	128@0	-4.86	20.75	20.76	18.06	0.0640
77C	30	80+90	656668	662332	DFT-s 16 QAM	100@117	128@0	-4.85	20.72	20.73	18.03	0.0636
77C	30	100+60	650000	655320	DFT-s QPSK	162@111	54@0	-4.51	21.36	21.37	18.67	0.0736
77C	30	100+60	650000	655320	DFT-s 16 QAM	162@111	54@0	-4.5	21.34	21.35	18.65	0.0733
77C	30	100+60	654006	659326	DFT-s QPSK	162@111	54@0	-4.61	20.88	20.89	18.19	0.0660
77C	30	100+60	654006	659326	DFT-s 16 QAM	162@111	54@0	-4.4	20.87	20.88	18.18	0.0658
77C	30	100+60	658012	663332	DFT-s QPSK	162@111	54@0	-5.26	21.02	21.03	18.33	0.0681
77C	30	100+60	658012	663332	DFT-s 16 QAM	162@111	54@0	-5.26	21.01	21.02	18.32	0.0679
77C	30	60+100	648668	653988	DFT-s QPSK	54@108	162@0	-4.24	21.54	21.55	18.85	0.0768
77C	30	60+100	648668	653988	DFT-s 16 QAM	54@108	162@0	-4.33	21.49	21.50	18.80	0.0759
77C	30	60+100	652674	657994	DFT-s QPSK	54@108	162@0	-4.61	21.63	21.64	18.94	0.0783



77C	30	60+100	652674	657994	DFT-s 16 QAM	54@108	162@0	-4.58	21.47	21.48	18.78	0.0755
77C	30	60+100	656680	662000	DFT-s QPSK	54@108	162@0	-4.3	20.74	20.75	18.05	0.0639
77C	30	60+100	656680	662000	DFT-s 16 QAM	54@108	162@0	-4.28	20.71	20.72	18.02	0.0634
77C	30	90+70	649668	654996	DFT-s QPSK	120@60	90@45	-4.13	19.41	19.43	16.73	0.0471
77C	30	90+70	649668	654996	DFT-s 16 QAM	120@60	90@45	-4.13	19.4	19.42	16.72	0.0470
77C	30	90+70	653670	658998	DFT-s QPSK	120@60	90@45	-4.1	18.99	19.01	16.31	0.0428
77C	30	90+70	653670	658998	DFT-s 16 QAM	120@60	90@45	-4.11	18.98	19.00	16.30	0.0427
77C	30	90+70	657672	663000	DFT-s QPSK	120@60	90@45	-3.9	18.69	18.71	16.01	0.0399
77C	30	90+70	657672	663000	DFT-s 16 QAM	120@60	90@45	-3.91	18.68	18.70	16.00	0.0398
77C	30	70+90	648668	653996	DFT-s QPSK	90@45	120@60	-3.99	19.41	19.43	16.73	0.0471
77C	30	70+90	648668	653996	DFT-s 16 QAM	90@45	120@60	-4	19.4	19.42	16.72	0.0470
77C	30	70+90	652836	658164	DFT-s QPSK	90@45	120@60	-3.84	19.19	19.21	16.51	0.0448
77C	30	70+90	652836	658164	DFT-s 16 QAM	90@45	120@60	-3.83	19.18	19.20	16.50	0.0447
77C	30	70+90	657004	662332	DFT-s QPSK	90@45	120@60	-3.55	18.67	18.70	16.00	0.0398
77C	30	70+90	657004	662332	DFT-s 16 QAM	90@45	120@60	-3.57	18.65	18.68	15.98	0.0396
77C	30	80+80	649334	654666	DFT-s QPSK	108@109	108@0	-5.03	21.01	21.02	18.32	0.0679
77C	30	80+80	649334	654666	DFT-s 16 QAM	108@109	108@0	-4.99	20.99	21.00	18.30	0.0676
77C	30	80+80	653334	658666	DFT-s QPSK	108@109	108@0	-4.74	20.86	20.87	18.17	0.0656
77C	30	80+80	653334	658666	DFT-s 16 QAM	108@109	108@0	-4.74	20.85	20.85	18.15	0.0653
77C	30	80+80	657334	662666	DFT-s QPSK	108@109	108@0	-4.57	21.02	21.03	18.33	0.0681
77C	30	80+80	657334	662666	DFT-s 16 QAM	108@109	108@0	-4.56	20.99	21.00	18.30	0.0676
77C	30	100+50	650000	654984	DFT-s QPSK	162@111	32@0	-4.61	21.23	21.24	18.54	0.0715
77C	30	100+50	650000	654984	DFT-s 16 QAM	162@111	32@0	-4.63	21.22	21.23	18.53	0.0713
77C	30	100+50	654342	659326	DFT-s QPSK	162@111	32@0	-4.55	20.73	20.74	18.04	0.0637
77C	30	100+50	654342	659326	DFT-s 16 QAM	162@111	32@0	-4.52	20.71	20.72	18.02	0.0634
77C	30	100+50	658682	663666	DFT-s QPSK	162@111	32@0	-4.51	21.02	21.03	18.33	0.0681
77C	30	100+50	658682	663666	DFT-s 16 QAM	162@111	32@0	-4.5	21	21.01	18.31	0.0678
77C	30	50+100	648334	653318	DFT-s QPSK	32@101	162@0	-4.21	21.45	21.46	18.76	0.0752
77C	30	50+100	648334	653318	DFT-s 16 QAM	32@101	162@0	-4.19	21.36	21.37	18.67	0.0737
77C	30	50+100	652680	657664	DFT-s QPSK	32@101	162@0	-4.77	21.51	21.52	18.82	0.0762
77C	30	50+100	652680	657664	DFT-s 16 QAM	32@101	162@0	-4.84	21.43	21.44	18.74	0.0748
77C	30	50+100	657016	662000	DFT-s QPSK	32@101	162@0	-4.35	20.94	20.95	18.25	0.0669
77C	30	50+100	657016	662000	DFT-s 16 QAM	32@101	162@0	-4.36	20.93	20.94	18.24	0.0667
77C	30	90+60	649668	654660	DFT-s QPSK	144@101	54@0	-4.03	21.27	21.28	18.58	0.0722



77C	30	90+60	649668	654660	DFT-s 16 QAM	144@101	54@0	-4.96	21.26	21.27	18.57	0.0720
77C	30	90+60	654006	658998	DFT-s QPSK	144@101	54@0	-4.92	20.96	20.97	18.27	0.0672
77C	30	90+60	654006	658998	DFT-s 16 QAM	144@101	54@0	-4.9	20.91	20.92	18.22	0.0664
77C	30	90+60	658340	663332	DFT-s QPSK	144@101	54@0	-4.92	20.93	20.94	18.24	0.0667
77C	30	90+60	658340	663332	DFT-s 16 QAM	144@101	54@0	-4.9	20.94	20.95	18.25	0.0669
77C	30	60+90	648668	653660	DFT-s QPSK	54@108	144@0	-4.93	20.92	20.93	18.23	0.0665
77C	30	60+90	648668	653660	DFT-s 16 QAM	54@108	144@0	-4.88	20.96	20.97	18.27	0.0672
77C	30	60+90	653004	657996	DFT-s QPSK	54@108	144@0	-4.62	21.13	21.14	18.44	0.0698
77C	30	60+90	653004	657996	DFT-s 16 QAM	54@108	144@0	-4.38	21.27	21.28	18.58	0.0721
77C	30	60+90	657340	662332	DFT-s QPSK	54@108	144@0	-4.48	21.12	21.13	18.43	0.0697
77C	30	60+90	657340	662332	DFT-s 16 QAM	54@108	144@0	-4.53	21.25	21.26	18.56	0.0718
77C	30	80+70	649334	654330	DFT-s QPSK	108@54	90@45	-4.48	19.38	19.40	16.70	0.0468
77C	30	80+70	649334	654330	DFT-s 16 QAM	108@54	90@45	-4.44	19.41	19.43	16.73	0.0471
77C	30	80+70	653670	658666	DFT-s QPSK	108@54	90@45	-4.46	19.37	19.39	16.69	0.0466
77C	30	80+70	653670	658666	DFT-s 16 QAM	108@54	90@45	-4.49	19.44	19.46	16.76	0.0474
77C	30	80+70	658004	663000	DFT-s QPSK	108@54	90@45	-4.43	19.39	19.41	16.71	0.0469
77C	30	80+70	658004	663000	DFT-s 16 QAM	108@54	90@45	-4.43	19.42	19.44	16.74	0.0472
77C	30	70+80	648668	653664	DFT-s QPSK	90@45	108@54	-3.93	19.31	19.33	16.63	0.0460
77C	30	70+80	648668	653664	DFT-s 16 QAM	90@45	108@54	-4.06	19.35	19.37	16.67	0.0464
77C	30	70+80	653172	658168	DFT-s QPSK	90@45	108@54	-3.91	19.29	19.31	16.61	0.0458
77C	30	70+80	653172	658168	DFT-s 16 QAM	90@45	108@54	-4.04	19.32	19.34	16.64	0.0461
77C	30	70+80	657670	662666	DFT-s QPSK	90@45	108@54	-3.95	19.3	19.32	16.62	0.0459
77C	30	70+80	657670	662666	DFT-s 16 QAM	90@45	108@54	-4.06	19.34	19.36	16.66	0.0463
77C	30	100+40	650000	654648	DFT-s QPSK	180@93	6@0	-5.13	21.11	21.12	18.42	0.0695
77C	30	100+40	650000	654648	DFT-s 16 QAM	180@93	6@0	-5.17	21.18	21.19	18.49	0.0706
77C	30	100+40	654678	659326	DFT-s QPSK	180@93	6@0	-5.08	21.18	21.19	18.49	0.0706
77C	30	100+40	654678	659326	DFT-s 16 QAM	180@93	6@0	-5.13	21.23	21.24	18.54	0.0715
77C	30	100+40	659352	664000	DFT-s QPSK	180@93	6@0	-5.17	21.05	21.06	18.36	0.0686
77C	30	100+40	659352	664000	DFT-s 16 QAM	180@93	6@0	-5.21	21.15	21.16	18.46	0.0701
77C	30	40+100	648000	652648	DFT-s QPSK	6@100	180@0	-4.93	20.94	20.95	18.25	0.0669
77C	30	40+100	648000	652648	DFT-s 16 QAM	6@100	180@0	-4.9	20.92	20.93	18.23	0.0665
77C	30	40+100	652680	657328	DFT-s QPSK	6@100	180@0	-4.88	20.97	20.98	18.28	0.0673
77C	30	40+100	652680	657328	DFT-s 16 QAM	6@100	180@0	-4.85	20.96	20.97	18.27	0.0672
77C	30	40+100	657352	662000	DFT-s QPSK	6@100	180@0	-4.99	20.89	20.90	18.20	0.0661



77C	30	40+100	657352	662000	DFT-s 16 QAM	6@100	180@0	-4.95	20.88	20.89	18.19	0.0659
77C	30	90+50	649668	654324	DFT-s QPSK	150@95	36@0	-12.59	22.19	22.19	19.49	0.0889
77C	30	90+50	649668	654324	DFT-s 16 QAM	150@95	36@0	-13.79	21.08	21.08	18.38	0.0689
77C	30	90+50	654342	658998	DFT-s QPSK	150@95	36@0	-12.54	22.21	22.21	19.51	0.0894
77C	30	90+50	654342	658998	DFT-s 16 QAM	150@95	36@0	-13.71	21.12	21.12	18.42	0.0695
77C	30	90+50	659010	663666	DFT-s QPSK	150@95	36@0	-12.69	22.14	22.14	19.44	0.0879
77C	30	90+50	659010	663666	DFT-s 16 QAM	150@95	36@0	-13.87	21.03	21.03	18.33	0.0681
77C	30	50+90	648334	652990	DFT-s QPSK	36@97	150@0	-4.52	21.18	21.19	18.49	0.0707
77C	30	50+90	648334	652990	DFT-s 16 QAM	36@97	150@0	-4.28	20.29	20.31	17.61	0.0576
77C	30	50+90	653010	657666	DFT-s QPSK	36@97	150@0	-4.45	21.23	21.24	18.54	0.0715
77C	30	50+90	653010	657666	DFT-s 16 QAM	36@97	150@0	-4.25	20.31	20.33	17.63	0.0579
77C	30	50+90	657676	662332	DFT-s QPSK	36@97	150@0	-4.6	21.1	21.11	18.41	0.0694
77C	30	50+90	657676	662332	DFT-s 16 QAM	36@97	150@0	-4.35	20.25	20.27	17.57	0.0571
77C	30	80+60	649334	653994	DFT-s QPSK	120@97	64@0	-4.59	20.94	20.95	18.25	0.0669
77C	30	80+60	649334	653994	DFT-s 16 QAM	120@97	64@0	-4.54	20.97	20.98	18.28	0.0673
77C	30	80+60	654006	658666	DFT-s QPSK	120@97	64@0	-4.55	20.95	20.96	18.26	0.0670
77C	30	80+60	654006	658666	DFT-s 16 QAM	120@97	64@0	-4.49	20.98	20.99	18.29	0.0675
77C	30	80+60	658672	663332	DFT-s QPSK	120@97	64@0	-4.62	20.93	20.94	18.24	0.0667
77C	30	80+60	658672	663332	DFT-s 16 QAM	120@97	64@0	-4.57	20.94	20.95	18.25	0.0669
77C	30	60+80	648668	653328	DFT-s QPSK	64@98	120@0	-4.16	20.52	20.53	17.83	0.0607
77C	30	60+80	648668	653328	DFT-s 16 QAM	64@98	120@0	-4.4	21.17	21.18	18.48	0.0705
77C	30	60+80	653340	658000	DFT-s QPSK	64@98	120@0	-4.13	20.55	20.56	17.86	0.0612
77C	30	60+80	653340	658000	DFT-s 16 QAM	64@98	120@0	-4.33	21.75	21.76	19.06	0.0806
77C	30	60+80	658006	662666	DFT-s QPSK	64@98	120@0	-4.19	20.51	20.52	17.82	0.0606
77C	30	60+80	658006	662666	DFT-s 16 QAM	64@98	120@0	-4.46	20.81	20.82	18.12	0.0649
77C	30	70+70	648668	653332	DFT-s QPSK	90@45	90@45	-4.28	19.35	19.37	16.67	0.0464
77C	30	70+70	648668	653332	DFT-s 16 QAM	90@45	90@45	-4.26	19.37	19.39	16.69	0.0467
77C	30	70+70	653502	658166	DFT-s QPSK	90@45	90@45	-4.26	19.37	19.39	16.69	0.0467
77C	30	70+70	653502	658166	DFT-s 16 QAM	90@45	90@45	-4.24	19.35	19.37	16.67	0.0464
77C	30	70+70	658336	663000	DFT-s QPSK	90@45	90@45	-4.31	19.33	19.35	16.65	0.0462
77C	30	70+70	658336	663000	DFT-s 16 QAM	90@45	90@45	-4.27	19.33	19.35	16.65	0.0462
77C	30	100+30	650000	654326	DFT-s QPSK	270@3	75@0	-4.73	20.96	20.97	18.27	0.0672
77C	30	100+30	650000	654326	DFT-s 16 QAM	270@3	75@0	-4.74	20.89	20.90	18.20	0.0661
77C	30	100+30	655008	659334	DFT-s QPSK	270@3	75@0	-4.72	20.97	20.98	18.28	0.0673



77C	30	100+30	655008	659334	DFT-s 16 QAM	270@3	75@0	-4.72	20.86	20.87	18.17	0.0656
77C	30	100+30	660006	664332	DFT-s QPSK	270@3	75@0	-4.78	20.89	20.90	18.20	0.0661
77C	30	100+30	660006	664332	DFT-s 16 QAM	270@3	75@0	-4.75	20.87	20.88	18.18	0.0658
77C	30	30+100	647668	651994	DFT-s QPSK	0@0	162@3	-20.22	20.57	20.57	17.87	0.0612
77C	30	30+100	647668	651994	DFT-s 16 QAM	0@0	162@3	-23.13	21.41	21.41	18.71	0.0743
77C	30	30+100	652674	657000	DFT-s QPSK	0@0	162@3	-20.16	20.58	20.58	17.88	0.0614
77C	30	30+100	652674	657000	DFT-s 16 QAM	0@0	162@3	-23.33	21.8	21.80	19.10	0.0813
77C	30	30+100	657674	662000	DFT-s QPSK	0@0	162@3	-20.09	20.55	20.55	17.85	0.0610
77C	30	30+100	657674	662000	DFT-s 16 QAM	0@0	162@3	-24.76	20.82	20.82	18.12	0.0649
77C	30	90+40	649668	653988	DFT-s QPSK	160@85	10@0	-4.62	21.31	21.32	18.62	0.0728
77C	30	90+40	649668	653988	DFT-s 16 QAM	160@85	10@0	-4.57	21.32	21.33	18.63	0.0730
77C	30	90+40	654678	658998	DFT-s QPSK	160@85	10@0	-4.54	21.38	21.39	18.69	0.0740
77C	30	90+40	654678	658998	DFT-s 16 QAM	160@85	10@0	-4.49	21.38	21.39	18.69	0.0740
77C	30	90+40	659680	664000	DFT-s QPSK	160@85	10@0	-4.65	21.27	21.28	18.58	0.0721
77C	30	90+40	659680	664000	DFT-s 16 QAM	160@85	10@0	-4.6	21.29	21.30	18.60	0.0725
77C	30	40+90	648000	652320	DFT-s QPSK	20@86	150@0	-4.9	21.14	21.15	18.45	0.0700
77C	30	40+90	648000	652320	DFT-s 16 QAM	20@86	150@0	-4.57	20.25	20.26	17.56	0.0571
77C	30	40+90	653010	657330	DFT-s QPSK	20@86	150@0	-4.86	21.19	21.20	18.50	0.0708
77C	30	40+90	653010	657330	DFT-s 16 QAM	20@86	150@0	-4.5	20.27	20.28	17.58	0.0573
77C	30	40+90	658012	662332	DFT-s QPSK	20@86	150@0	-4.94	21.09	21.10	18.40	0.0692
77C	30	40+90	658012	662332	DFT-s 16 QAM	20@86	150@0	-4.63	20.23	20.24	17.54	0.0568
77C	30	80+50	649334	653658	DFT-s QPSK	128@89	45@0	-4.34	20.62	20.63	17.93	0.0621
77C	30	80+50	649334	653658	DFT-s 16 QAM	128@89	45@0	-4.49	21.71	21.72	19.02	0.0798
77C	30	80+50	654342	658666	DFT-s QPSK	128@89	45@0	-4.33	20.65	20.66	17.96	0.0626
77C	30	80+50	654342	658666	DFT-s 16 QAM	128@89	45@0	-4.47	21.77	21.78	19.08	0.0809
77C	30	80+50	659342	663666	DFT-s QPSK	128@89	45@0	-4.35	20.6	20.61	17.91	0.0619
77C	30	80+50	659342	663666	DFT-s 16 QAM	128@89	45@0	-4.52	21.61	21.62	18.92	0.0780
77C	30	50+80	648334	652658	DFT-s QPSK	45@88	128@0	-4.32	20.76	20.77	18.07	0.0642
77C	30	50+80	648334	652658	DFT-s 16 QAM	45@88	128@0	-4.6	21.33	21.34	18.64	0.0731
77C	30	50+80	653340	657664	DFT-s QPSK	45@88	128@0	-4.27	20.81	20.82	18.12	0.0649
77C	30	50+80	653340	657664	DFT-s 16 QAM	45@88	128@0	-4.51	21.79	21.80	19.10	0.0813
77C	30	50+80	658342	662666	DFT-s QPSK	45@88	128@0	-4.43	20.68	20.69	17.99	0.0630
77C	30	50+80	658342	662666	DFT-s 16 QAM	45@88	128@0	-4.68	21.07	21.08	18.38	0.0689
77C	30	70+60	648668	652992	DFT-s QPSK	90@45	81@40	-4.02	19.41	19.43	16.73	0.0471



77C	30	70+60	648668	652992	DFT-s 16 QAM	90@45	81@40	-4.06	19.36	19.38	16.68	0.0466
77C	30	70+60	653838	658162	DFT-s QPSK	90@45	81@40	-3.99	19.44	19.46	16.76	0.0474
77C	30	70+60	653838	658162	DFT-s 16 QAM	90@45	81@40	-4.05	19.38	19.40	16.70	0.0468
77C	30	70+60	659008	663332	DFT-s QPSK	90@45	81@40	-4.06	19.38	19.40	16.70	0.0468
77C	30	70+60	659008	663332	DFT-s 16 QAM	90@45	81@40	-4.07	19.35	19.37	16.67	0.0464
77C	30	60+70	648668	652992	DFT-s QPSK	81@40	90@45	-3.74	19.34	19.36	16.66	0.0464
77C	30	60+70	648668	652992	DFT-s 16 QAM	81@40	90@45	-3.75	19.34	19.36	16.66	0.0464
77C	30	60+70	653676	658000	DFT-s QPSK	81@40	90@45	-3.73	19.35	19.37	16.67	0.0465
77C	30	60+70	653676	658000	DFT-s 16 QAM	81@40	90@45	-3.74	19.35	19.37	16.67	0.0465
77C	30	60+70	658676	663000	DFT-s QPSK	81@40	90@45	-3.76	19.33	19.35	16.65	0.0463
77C	30	60+70	658676	663000	DFT-s 16 QAM	81@40	90@45	-3.76	19.33	19.35	16.65	0.0463
77C	30	100+25	650000	654160	DFT-s QPSK	270@3	64@0	-4.71	20.96	20.97	18.27	0.0672
77C	30	100+25	650000	654160	DFT-s 16 QAM	270@3	64@0	-4.71	20.92	20.93	18.23	0.0666
77C	30	100+25	655170	659330	DFT-s QPSK	270@3	64@0	-4.68	20.89	20.90	18.20	0.0661
77C	30	100+25	655170	659330	DFT-s 16 QAM	270@3	64@0	-4.74	20.81	20.82	18.12	0.0649
77C	30	100+25	660304	664500	DFT-s QPSK	270@3	64@0	-4.73	20.99	21.00	18.30	0.0676
77C	30	100+25	660304	664500	DFT-s 16 QAM	270@3	64@0	-4.75	20.89	20.90	18.20	0.0661
77C	30	25+100	647500	651660	DFT-s QPSK	0@0	162@16	-22.42	21.6	21.60	18.90	0.0776
77C	30	25+100	647500	651660	DFT-s 16 QAM	0@0	162@16	-19.81	20.52	20.52	17.82	0.0605
77C	30	25+100	652674	656834	DFT-s QPSK	0@0	162@16	-22.25	21.73	21.73	19.03	0.0800
77C	30	25+100	652674	656834	DFT-s 16 QAM	0@0	162@16	-19.76	20.53	20.53	17.83	0.0607
77C	30	25+100	657840	662000	DFT-s QPSK	0@0	162@16	-22.6	21.83	21.83	19.13	0.0818
77C	30	25+100	657840	662000	DFT-s 16 QAM	0@0	162@16	-19.93	20.49	20.49	17.79	0.0601
77C	30	100+20	650000	653996	DFT-s QPSK	270@3	50@0	-4.73	20.96	20.97	18.27	0.0672
77C	30	100+20	650000	653996	DFT-s 16 QAM	270@3	50@0	-4.73	20.81	20.82	18.12	0.0649
77C	30	100+20	655338	659334	DFT-s QPSK	270@3	50@0	-4.72	20.9	20.91	18.21	0.0663
77C	30	100+20	655338	659334	DFT-s 16 QAM	270@3	50@0	-4.71	20.89	20.90	18.20	0.0661
77C	30	100+20	660670	664666	DFT-s QPSK	270@3	50@0	-4.74	20.99	21.00	18.30	0.0676
77C	30	100+20	660670	664666	DFT-s 16 QAM	270@3	50@0	-4.75	20.81	20.82	18.12	0.0649
77C	30	20+100	647334	651330	DFT-s QPSK	0@0	162@30	-23.09	21.74	21.74	19.04	0.0802
77C	30	20+100	647334	651330	DFT-s 16 QAM	0@0	162@30	-25.17	21.7	21.70	19.00	0.0794
77C	30	20+100	652674	656670	DFT-s QPSK	0@0	162@30	-22.9	21.8	21.80	19.10	0.0813
77C	30	20+100	652674	656670	DFT-s 16 QAM	0@0	162@30	-25.05	21.73	21.73	19.03	0.0800
77C	30	20+100	658004	662000	DFT-s QPSK	0@0	162@30	-23.25	21.7	21.70	19.00	0.0794



77C	30	20+100	658004	662000	DFT-s 16 QAM	0@0	162@30	-25.42	21.63	21.63	18.93	0.0782
77C	30	90+30	649668	653660	DFT-s QPSK	243@2	75@0	-4.72	20.97	20.98	18.28	0.0673
77C	30	90+30	649668	653660	DFT-s 16 QAM	243@2	75@0	-4.73	20.87	20.88	18.18	0.0658
77C	30	90+30	655008	659000	DFT-s QPSK	243@2	75@0	-4.74	20.92	20.93	18.23	0.0666
77C	30	90+30	655008	659000	DFT-s 16 QAM	243@2	75@0	-4.7	20.96	20.97	18.27	0.0672
77C	30	90+30	660340	664332	DFT-s QPSK	243@2	75@0	-4.75	20.81	20.82	18.12	0.0649
77C	30	90+30	660340	664332	DFT-s 16 QAM	243@2	75@0	-4.76	20.96	20.97	18.27	0.0672
77C	30	30+90	647668	651660	DFT-s QPSK	0@0	160@2	-16.86	20.51	20.51	17.81	0.0604
77C	30	30+90	647668	651660	DFT-s 16 QAM	0@0	160@2	-21.37	21.68	21.68	18.98	0.0791
77C	30	30+90	653004	656996	DFT-s QPSK	0@0	160@2	-16.7	20.53	20.53	17.83	0.0607
77C	30	30+90	653004	656996	DFT-s 16 QAM	0@0	160@2	-20.04	21.82	21.82	19.12	0.0817
77C	30	30+90	658340	662332	DFT-s QPSK	0@0	160@2	-16.86	20.49	20.49	17.79	0.0601
77C	30	30+90	658340	662332	DFT-s 16 QAM	0@0	160@2	-21.76	20.81	20.81	18.11	0.0647
77C	30	80+40	649334	653322	DFT-s QPSK	135@82	24@0	-5.07	21.09	21.10	18.40	0.0692
77C	30	80+40	649334	653322	DFT-s 16 QAM	135@82	24@0	-4.25	21.01	21.02	18.32	0.0680
77C	30	80+40	654678	658666	DFT-s QPSK	135@82	24@0	-5.02	21.12	21.13	18.43	0.0697
77C	30	80+40	654678	658666	DFT-s 16 QAM	135@82	24@0	-4.23	21.03	21.04	18.34	0.0683
77C	30	80+40	660012	664000	DFT-s QPSK	135@82	24@0	-5.15	21.04	21.05	18.35	0.0684
77C	30	80+40	660012	664000	DFT-s 16 QAM	135@82	24@0	-4.28	20.99	21.00	18.30	0.0677
77C	30	40+80	648000	651988	DFT-s QPSK	25@81	135@0	-4.77	20.93	20.94	18.24	0.0667
77C	30	40+80	648000	651988	DFT-s 16 QAM	25@81	135@0	-4.89	20.87	20.88	18.18	0.0658
77C	30	40+80	653340	657328	DFT-s QPSK	25@81	135@0	-4.73	20.96	20.97	18.27	0.0672
77C	30	40+80	653340	657328	DFT-s 16 QAM	25@81	135@0	-4.82	20.94	20.95	18.25	0.0669
77C	30	40+80	658678	662666	DFT-s QPSK	25@81	135@0	-4.86	20.86	20.87	18.17	0.0656
77C	30	40+80	658678	662666	DFT-s 16 QAM	25@81	135@0	-4.95	20.83	20.84	18.14	0.0652
77C	30	70+50	648668	652660	DFT-s QPSK	90@45	64@32	-3.81	19.41	19.43	16.73	0.0471
77C	30	70+50	648668	652660	DFT-s 16 QAM	90@45	64@32	-3.84	19.39	19.41	16.71	0.0469
77C	30	70+50	654174	658166	DFT-s QPSK	90@45	64@32	-3.77	19.45	19.47	16.77	0.0475
77C	30	70+50	654174	658166	DFT-s 16 QAM	90@45	64@32	-3.83	19.41	19.43	16.73	0.0471
77C	30	70+50	659674	663666	DFT-s QPSK	90@45	64@32	-3.85	19.39	19.41	16.71	0.0469
77C	30	70+50	659674	663666	DFT-s 16 QAM	90@45	64@32	-3.86	19.38	19.40	16.70	0.0468
77C	30	50+70	648334	652326	DFT-s QPSK	64@32	90@45	-3.53	19.41	19.43	16.73	0.0471
77C	30	50+70	648334	652326	DFT-s 16 QAM	64@32	90@45	-3.56	19.35	19.37	16.67	0.0465
77C	30	50+70	653676	657668	DFT-s QPSK	64@32	90@45	-3.49	19.44	19.46	16.76	0.0474



77C	30	50+70	653676	657668	DFT-s 16 QAM	64@32	90@45	-3.54	19.38	19.40	16.70	0.0468
77C	30	50+70	659008	663000	DFT-s QPSK	64@32	90@45	-3.55	19.38	19.40	16.70	0.0468
77C	30	50+70	659008	663000	DFT-s 16 QAM	64@32	90@45	-3.58	19.34	19.36	16.66	0.0464
77C	30	60+60	648668	652668	DFT-s QPSK	81@81	81@0	-4.17	20.95	20.96	18.26	0.0670
77C	30	60+60	648668	652668	DFT-s 16 QAM	81@81	81@0	-4.24	20.88	20.89	18.19	0.0660
77C	30	60+60	654000	658000	DFT-s QPSK	81@81	81@0	-4.13	20.98	20.99	18.29	0.0675
77C	30	60+60	654000	658000	DFT-s 16 QAM	81@81	81@0	-4.23	20.9	20.91	18.21	0.0663
77C	30	60+60	659332	663332	DFT-s QPSK	81@81	81@0	-4.23	20.9	20.91	18.21	0.0663
77C	30	60+60	659332	663332	DFT-s 16 QAM	81@81	81@0	-4.28	20.83	20.84	18.14	0.0652
77C	30	100+15	650000	653808	DFT-s QPSK	270@3	36@0	-4.05	20.99	21.00	18.30	0.0677
77C	30	100+15	650000	653808	DFT-s 16 QAM	270@3	36@0	-4.05	20.81	20.82	18.12	0.0649
77C	30	100+15	655512	659320	DFT-s QPSK	270@3	36@0	-4.02	20.96	20.97	18.27	0.0672
77C	30	100+15	655512	659320	DFT-s 16 QAM	270@3	36@0	-4.03	20.94	20.95	18.25	0.0669
77C	30	100+15	661024	664832	DFT-s QPSK	270@3	36@0	-4.08	20.89	20.90	18.20	0.0661
77C	30	100+15	661024	664832	DFT-s 16 QAM	270@3	36@0	-4.06	20.88	20.89	18.19	0.0660
77C	30	15+100	647168	650976	DFT-s QPSK	0@0	150@37	-19.74	20.25	20.25	17.55	0.0569
77C	30	15+100	647168	650976	DFT-s 16 QAM	0@0	150@37	-26.72	21.76	21.76	19.06	0.0805
77C	30	15+100	652680	656488	DFT-s QPSK	0@0	150@37	-19.9	20.29	20.29	17.59	0.0574
77C	30	15+100	652680	656488	DFT-s 16 QAM	0@0	150@37	-26.48	21.8	21.80	19.10	0.0813
77C	30	15+100	658192	662000	DFT-s QPSK	0@0	150@37	-20.03	20.22	20.22	17.52	0.0565
77C	30	15+100	658192	662000	DFT-s 16 QAM	0@0	150@37	-27.02	21.69	21.69	18.99	0.0793
77C	30	90+25	649668	653492	DFT-s QPSK	243@2	64@0	-4.01	20.97	20.98	18.28	0.0674
77C	30	90+25	649668	653492	DFT-s 16 QAM	243@2	64@0	-4.02	20.84	20.85	18.15	0.0654
77C	30	90+25	655176	659000	DFT-s QPSK	243@2	64@0	-4.01	20.96	20.97	18.27	0.0672
77C	30	90+25	655176	659000	DFT-s 16 QAM	243@2	64@0	-3.94	20.88	20.89	18.19	0.0660
77C	30	90+25	660676	664500	DFT-s QPSK	243@2	64@0	-4.11	20.96	20.97	18.27	0.0672
77C	30	90+25	660676	664500	DFT-s 16 QAM	243@2	64@0	-4.03	20.85	20.86	18.16	0.0655
77C	30	25+90	647500	651324	DFT-s QPSK	0@0	150@10	-19.24	21.76	21.76	19.06	0.0805
77C	30	25+90	647500	651324	DFT-s 16 QAM	0@0	150@10	-19.63	21.67	21.67	18.97	0.0789
77C	30	25+90	653004	656828	DFT-s QPSK	0@0	150@10	-19.19	21.65	21.65	18.95	0.0785
77C	30	25+90	653004	656828	DFT-s 16 QAM	0@0	150@10	-19.71	21.57	21.57	18.87	0.0771
77C	30	25+90	658508	662332	DFT-s QPSK	0@0	150@10	-19.16	21.72	21.72	19.02	0.0798
77C	30	25+90	658508	662332	DFT-s 16 QAM	0@0	150@10	-19.64	21.56	21.56	18.86	0.0769
77C	30	100+10	650000	653640	DFT-s QPSK	270@3	24@0	-4.23	20.87	20.88	18.18	0.0658



77C	30	100+10	650000	653640	DFT-s 16 QAM	270@3	24@0	-4.17	20.91	20.92	18.22	0.0664
77C	30	100+10	655680	659320	DFT-s QPSK	270@3	24@0	-4.29	20.96	20.97	18.27	0.0672
77C	30	100+10	655680	659320	DFT-s 16 QAM	270@3	24@0	-4.19	20.87	20.88	18.18	0.0658
77C	30	100+10	661360	665000	DFT-s QPSK	270@3	24@0	-4.13	20.96	20.97	18.27	0.0672
77C	30	100+10	661360	665000	DFT-s 16 QAM	270@3	24@0	-4.27	20.87	20.88	18.18	0.0658
77C	30	10+100	647000	650640	DFT-s QPSK	0@0	144@48	-26.28	21.78	21.78	19.08	0.0809
77C	30	10+100	647000	650640	DFT-s 16 QAM	0@0	144@48	-26.34	21.89	21.89	19.19	0.0830
77C	30	10+100	652680	656320	DFT-s QPSK	0@0	144@48	-26.39	21.68	21.68	18.98	0.0791
77C	30	10+100	652680	656320	DFT-s 16 QAM	0@0	144@48	-26.31	21.79	21.79	19.09	0.0811
77C	30	10+100	658360	662000	DFT-s QPSK	0@0	144@48	-26.23	21.83	21.83	19.13	0.0818
77C	30	10+100	658360	662000	DFT-s 16 QAM	0@0	144@48	-26.32	21.83	21.83	19.13	0.0818
77C	30	90+20	649668	653328	DFT-s QPSK	243@2	50@0	-4.16	20.98	20.99	18.29	0.0675
77C	30	90+20	649668	653328	DFT-s 16 QAM	243@2	50@0	-4.24	20.88	20.89	18.19	0.0660
77C	30	90+20	655338	658998	DFT-s QPSK	243@2	50@0	-4.09	20.95	20.96	18.26	0.0670
77C	30	90+20	655338	658998	DFT-s 16 QAM	243@2	50@0	-4.31	20.89	20.90	18.20	0.0661
77C	30	90+20	661006	664666	DFT-s QPSK	243@2	50@0	-4.15	20.96	20.97	18.27	0.0672
77C	30	90+20	661006	664666	DFT-s 16 QAM	243@2	50@0	-4.34	20.86	20.87	18.17	0.0657
77C	30	20+90	647334	650994	DFT-s QPSK	0@0	144@21	-21.98	21.21	21.21	18.51	0.0710
77C	30	20+90	647334	650994	DFT-s 16 QAM	0@0	144@21	-21.91	21.32	21.32	18.62	0.0728
77C	30	20+90	653004	656664	DFT-s QPSK	0@0	144@21	-21.92	21.3	21.30	18.60	0.0724
77C	30	20+90	653004	656664	DFT-s 16 QAM	0@0	144@21	-21.99	21.43	21.43	18.73	0.0746
77C	30	20+90	658672	662332	DFT-s QPSK	0@0	144@21	-22.04	21.18	21.18	18.48	0.0705
77C	30	20+90	658672	662332	DFT-s 16 QAM	0@0	144@21	-21.87	21.31	21.31	18.61	0.0726
77C	30	80+30	649334	652990	DFT-s QPSK	144@73	2@0	-4.95	21.78	21.79	19.09	0.0811
77C	30	80+30	649334	652990	DFT-s 16 QAM	144@73	2@0	-4.87	21.84	21.85	19.15	0.0822
77C	30	80+30	655008	658664	DFT-s QPSK	144@73	2@0	-5.05	21.69	21.70	19.00	0.0794
77C	30	80+30	655008	658664	DFT-s 16 QAM	144@73	2@0	-4.91	21.95	21.96	19.26	0.0843
77C	30	80+30	660676	664332	DFT-s QPSK	144@73	2@0	-5.06	21.68	21.69	18.99	0.0792
77C	30	80+30	660676	664332	DFT-s 16 QAM	144@73	2@0	-4.93	21.92	21.93	19.23	0.0837
77C	30	30+80	647668	651324	DFT-s QPSK	3@74	144@0	-4.18	21.81	21.82	19.12	0.0817
77C	30	30+80	647668	651324	DFT-s 16 QAM	3@74	144@0	-4.11	21.79	21.80	19.10	0.0813
77C	30	30+80	653340	656996	DFT-s QPSK	3@74	144@0	-4.23	21.7	21.71	19.01	0.0796
77C	30	30+80	653340	656996	DFT-s 16 QAM	3@74	144@0	-4.19	21.77	21.78	19.08	0.0809
77C	30	30+80	659010	662666	DFT-s QPSK	3@74	144@0	-4.07	21.73	21.74	19.04	0.0802



77C	30	30+80	659010	662666	DFT-s 16 QAM	3@74	144@0	-4.01	21.81	21.82	19.12	0.0817
77C	30	70+40	648668	652324	DFT-s QPSK	90@45	50@25	-4.52	19.38	19.40	16.70	0.0467
77C	30	70+40	648668	652324	DFT-s 16 QAM	90@45	50@25	-4.54	19.35	19.37	16.67	0.0464
77C	30	70+40	654510	658166	DFT-s QPSK	90@45	50@25	-4.62	19.28	19.30	16.60	0.0457
77C	30	70+40	654510	658166	DFT-s 16 QAM	90@45	50@25	-4.6	19.37	19.39	16.69	0.0466
77C	30	70+40	660344	664000	DFT-s QPSK	90@45	50@25	-4.42	19.3	19.32	16.62	0.0459
77C	30	70+40	660344	664000	DFT-s 16 QAM	90@45	50@25	-4.43	19.41	19.43	16.73	0.0471
77C	30	40+70	648000	651656	DFT-s QPSK	50@25	90@45	-4.47	19.43	19.45	16.75	0.0473
77C	30	40+70	648000	651656	DFT-s 16 QAM	50@25	90@45	-4.6	19.44	19.46	16.76	0.0474
77C	30	40+70	653676	657332	DFT-s QPSK	50@25	90@45	-4.54	19.35	19.37	16.67	0.0464
77C	30	40+70	653676	657332	DFT-s 16 QAM	50@25	90@45	-4.57	19.44	19.46	16.76	0.0474
77C	30	40+70	659344	663000	DFT-s QPSK	50@25	90@45	-4.6	19.41	19.43	16.73	0.0471
77C	30	40+70	659344	663000	DFT-s 16 QAM	50@25	90@45	-4.51	19.44	19.46	16.76	0.0474
77C	30	60+50	648668	652320	DFT-s QPSK	81@81	60@0	-4.27	21.7	21.71	19.01	0.0796
77C	30	60+50	648668	652320	DFT-s 16 QAM	81@81	60@0	-4.27	21.7	21.71	19.01	0.0796
77C	30	60+50	654342	657994	DFT-s QPSK	81@81	60@0	-4.31	21.74	21.75	19.05	0.0804
77C	30	60+50	654342	657994	DFT-s 16 QAM	81@81	60@0	-4.17	21.68	21.69	18.99	0.0793
77C	30	60+50	660014	663666	DFT-s QPSK	81@81	60@0	-4.27	21.81	21.82	19.12	0.0817
77C	30	60+50	660014	663666	DFT-s 16 QAM	81@81	60@0	-4.19	21.8	21.81	19.11	0.0815
77C	30	50+60	648334	651986	DFT-s QPSK	60@73	81@0	-4.27	21.68	21.69	18.99	0.0793
77C	30	50+60	648334	651986	DFT-s 16 QAM	60@73	81@0	-4.23	21.69	21.70	19.00	0.0795
77C	30	50+60	654012	657664	DFT-s QPSK	60@73	81@0	-4.36	21.71	21.72	19.02	0.0798
77C	30	50+60	654012	657664	DFT-s 16 QAM	60@73	81@0	-4.23	21.69	21.70	19.00	0.0795
77C	30	50+60	659680	663332	DFT-s QPSK	60@73	81@0	-4.17	21.69	21.70	19.00	0.0795
77C	30	50+60	659680	663332	DFT-s 16 QAM	60@73	81@0	-4.31	21.68	21.69	18.99	0.0793
77C	30	90+15	649668	653140	DFT-s QPSK	120@60	18@9	-3.63	19.48	19.50	16.80	0.0479
77C	30	90+15	649668	653140	DFT-s 16 QAM	120@60	18@9	-3.55	19.5	19.52	16.82	0.0481
77C	30	90+15	655518	658990	DFT-s QPSK	120@60	18@9	-3.55	19.41	19.43	16.73	0.0471
77C	30	90+15	655518	658990	DFT-s 16 QAM	120@60	18@9	-3.6	19.52	19.54	16.84	0.0483
77C	30	90+15	661360	664832	DFT-s QPSK	120@60	18@9	-3.66	19.45	19.47	16.77	0.0475
77C	30	90+15	661360	664832	DFT-s 16 QAM	120@60	18@9	-3.6	19.61	19.63	16.93	0.0493
77C	30	15+90	647168	650640	DFT-s QPSK	0@0	135@30	-22.37	21.77	21.77	19.07	0.0807
77C	30	15+90	647168	650640	DFT-s 16 QAM	0@0	135@30	-22.41	21.83	21.83	19.13	0.0818
77C	30	15+90	653016	656488	DFT-s QPSK	0@0	135@30	-22.38	21.83	21.83	19.13	0.0818



77C	30	15+90	653016	656488	DFT-s 16 QAM	0@0	135@30	-22.51	21.78	21.78	19.08	0.0809
77C	30	15+90	658860	662332	DFT-s QPSK	0@0	135@30	-22.33	21.75	21.75	19.05	0.0804
77C	30	15+90	658860	662332	DFT-s 16 QAM	0@0	135@30	-22.4	21.88	21.88	19.18	0.0828
77C	30	80+25	649334	652822	DFT-s QPSK	108@54	32@16	-3.74	19.59	19.61	16.91	0.0491
77C	30	80+25	649334	652822	DFT-s 16 QAM	108@54	32@16	-3.61	19.46	19.48	16.78	0.0477
77C	30	80+25	655176	658664	DFT-s QPSK	108@54	32@16	-3.55	19.5	19.52	16.82	0.0481
77C	30	80+25	655176	658664	DFT-s 16 QAM	108@54	32@16	-3.48	19.55	19.57	16.87	0.0487
77C	30	80+25	661012	664500	DFT-s QPSK	108@54	32@16	-3.72	19.57	19.59	16.89	0.0489
77C	30	80+25	661012	664500	DFT-s 16 QAM	108@54	32@16	-3.6	19.61	19.63	16.93	0.0493
77C	30	25+80	647500	650988	DFT-s QPSK	0@0	135@3	-22.44	21.83	21.83	19.13	0.0818
77C	30	25+80	647500	650988	DFT-s 16 QAM	0@0	135@3	-22.31	21.87	21.87	19.17	0.0826
77C	30	25+80	653340	656828	DFT-s QPSK	0@0	135@3	-22.46	21.85	21.85	19.15	0.0822
77C	30	25+80	653340	656828	DFT-s 16 QAM	0@0	135@3	-22.41	21.9	21.90	19.20	0.0832
77C	30	25+80	659178	662666	DFT-s QPSK	0@0	135@3	-22.44	21.78	21.78	19.08	0.0809
77C	30	25+80	659178	662666	DFT-s 16 QAM	0@0	135@3	-22.45	21.77	21.77	19.07	0.0807



<Average Power>

NR Band	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)
77C	30	100+100	650000	656664	DFT-s BPSK	135@138	135@0	18.94	18.6	21.78	19.08	0.0810
77C	30	100+100	650000	656664	DFT-s BPSK	1@182	1@88	18.81	18.55	21.69	18.99	0.0793
77C	30	100+100	650000	656664	DFT-s QPSK	135@138	135@0	19.05	19.18	22.13	19.43	0.0876
77C	30	100+100	650000	656664	DFT-s QPSK	1@182	1@88	19.02	18.4	21.73	19.03	0.0800
77C	30	100+100	650000	656664	DFT-s 16 QAM	135@138	135@0	18.74	18.67	21.72	19.02	0.0797
77C	30	100+100	650000	656664	DFT-s 16 QAM	1@182	1@88	19	18.3	21.67	18.97	0.0790
77C	30	100+100	650000	656664	DFT-s 64 QAM	135@138	135@0	18.79	18.68	21.75	19.05	0.0803
77C	30	100+100	650000	656664	DFT-s 64 QAM	1@182	1@88	18.5	18.15	21.34	18.64	0.0731
77C	30	100+100	650000	656664	DFT-s 256 QAM	135@138	135@0	17.83	17.77	20.81	18.11	0.0647
77C	30	100+100	650000	656664	DFT-s 256 QAM	1@182	1@88	18.43	18.02	21.24	18.54	0.0715
77C	30	100+100	650000	656664	CP-OFDM QPSK	137@136	135@0	18.74	18.71	21.74	19.04	0.0801
77C	30	100+100	650000	656664	CP-OFDM QPSK	1@182	1@88	19.12	18.54	21.85	19.15	0.0822
77C	30	100+100	652668	659332	DFT-s BPSK	135@138	135@0	18.95	18.51	21.75	19.05	0.0803
77C	30	100+100	652668	659332	DFT-s BPSK	1@182	1@88	19.21	18.22	21.75	19.05	0.0804
77C	30	100+100	652668	659332	DFT-s QPSK	135@138	135@0	18.96	18.52	21.76	19.06	0.0805
77C	30	100+100	652668	659332	DFT-s QPSK	1@182	1@88	19.24	18.23	21.77	19.07	0.0808
77C	30	100+100	652668	659332	DFT-s 16 QAM	135@138	135@0	19	18.55	21.79	19.09	0.0811
77C	30	100+100	652668	659332	DFT-s 16 QAM	1@182	1@88	19.15	18.28	21.75	19.05	0.0803
77C	30	100+100	652668	659332	DFT-s 64 QAM	135@138	135@0	18.91	18.44	21.69	18.99	0.0793
77C	30	100+100	652668	659332	DFT-s 64 QAM	1@182	1@88	18.88	17.68	21.33	18.63	0.0730
77C	30	100+100	652668	659332	DFT-s 256 QAM	135@138	135@0	18.05	17.61	20.85	18.15	0.0653
77C	30	100+100	652668	659332	DFT-s 256 QAM	1@182	1@88	18.7	17.56	21.18	18.48	0.0704
77C	30	100+100	652668	659332	CP-OFDM QPSK	137@136	135@0	18.88	18.55	21.73	19.03	0.0800
77C	30	100+100	652668	659332	CP-OFDM QPSK	1@182	1@88	19.25	18.28	21.80	19.10	0.0813
77C	30	100+100	655336	662000	DFT-s BPSK	135@138	135@0	18.75	18.32	21.55	18.85	0.0767
77C	30	100+100	655336	662000	DFT-s BPSK	1@182	1@88	18.81	17.84	21.36	18.66	0.0735
77C	30	100+100	655336	662000	DFT-s QPSK	135@138	135@0	18.76	18.33	21.56	18.86	0.0769
77C	30	100+100	655336	662000	DFT-s QPSK	1@182	1@88	18.77	17.85	21.34	18.64	0.0732
77C	30	100+100	655336	662000	DFT-s 16 QAM	135@138	135@0	18.67	18.24	21.47	18.77	0.0753
77C	30	100+100	655336	662000	DFT-s 16 QAM	1@182	1@88	18.65	17.72	21.22	18.52	0.0711
77C	30	100+100	655336	662000	DFT-s 64 QAM	135@138	135@0	18.68	18.13	21.42	18.72	0.0745



77C	30	100+100	655336	662000	DFT-s 64 QAM	1@182	1@88	18.49	17.23	20.92	18.22	0.0663
77C	30	100+100	655336	662000	DFT-s 256 QAM	135@138	135@0	17.72	17.2	20.48	17.78	0.0600
77C	30	100+100	655336	662000	DFT-s 256 QAM	1@182	1@88	18.27	17.09	20.73	18.03	0.0635
77C	30	100+100	655336	662000	CP-OFDM QPSK	137@136	135@0	18.56	18.17	21.38	18.68	0.0738
77C	30	100+100	655336	662000	CP-OFDM QPSK	1@182	1@88	18.76	17.77	21.30	18.60	0.0725
77C	30	100+90	650000	656328	DFT-s QPSK	144@129	108@0	18.82	18.8	21.82	19.12	0.0817
77C	30	100+90	650000	656328	DFT-s 16 QAM	144@129	108@0	18.76	18.72	21.75	19.05	0.0804
77C	30	100+90	653004	659332	DFT-s QPSK	144@129	108@0	18.8	18.72	21.77	19.07	0.0807
77C	30	100+90	653004	659332	DFT-s 16 QAM	144@129	108@0	18.7	18.65	21.69	18.99	0.0792
77C	30	100+90	656004	662332	DFT-s QPSK	144@129	108@0	18.45	18.44	21.46	18.76	0.0751
77C	30	100+90	656004	662332	DFT-s 16 QAM	144@129	108@0	18.37	18.35	21.37	18.67	0.0736
77C	30	90+100	649668	655996	DFT-s QPSK	108@137	144@0	19.04	18.57	21.82	19.12	0.0817
77C	30	90+100	649668	655996	DFT-s 16 QAM	108@137	144@0	19.09	18.51	21.82	19.12	0.0817
77C	30	90+100	652674	659002	DFT-s QPSK	108@137	144@0	18.8	18.78	21.80	19.10	0.0813
77C	30	90+100	652674	659002	DFT-s 16 QAM	108@137	144@0	18.79	18.74	21.78	19.08	0.0808
77C	30	90+100	655672	662000	DFT-s QPSK	108@137	144@0	18.52	18.38	21.46	18.76	0.0752
77C	30	90+100	655672	662000	DFT-s 16 QAM	108@137	144@0	18.41	18.27	21.35	18.65	0.0733
77C	30	100+80	650000	655992	DFT-s QPSK	150@123	90@0	18.96	18.64	21.81	19.11	0.0815
77C	30	100+80	650000	655992	DFT-s 16 QAM	150@123	90@0	18.88	18.55	21.73	19.03	0.0800
77C	30	100+80	653340	659332	DFT-s QPSK	150@123	90@0	18.96	18.58	21.78	19.08	0.0810
77C	30	100+80	653340	659332	DFT-s 16 QAM	150@123	90@0	18.94	18.56	21.76	19.06	0.0806
77C	30	100+80	656674	662666	DFT-s QPSK	150@123	90@0	18.67	18.02	21.37	18.67	0.0736
77C	30	100+80	656674	662666	DFT-s 16 QAM	150@123	90@0	18.65	18	21.35	18.65	0.0732
77C	30	80+100	649334	655326	DFT-s QPSK	96@121	144@0	19.16	18.32	21.77	19.07	0.0807
77C	30	80+100	649334	655326	DFT-s 16 QAM	96@121	144@0	19.15	18.31	21.76	19.06	0.0805
77C	30	80+100	652674	658666	DFT-s QPSK	96@121	144@0	19.28	18.34	21.85	19.15	0.0821
77C	30	80+100	652674	658666	DFT-s 16 QAM	96@121	144@0	19.18	18.23	21.74	19.04	0.0802
77C	30	80+100	656008	662000	DFT-s QPSK	96@121	144@0	18.77	18.03	21.43	18.73	0.0746
77C	30	80+100	656008	662000	DFT-s 16 QAM	96@121	144@0	18.76	18.03	21.42	18.72	0.0745
77C	30	90+90	649668	655668	DFT-s QPSK	120@125	120@0	18.93	18.73	21.84	19.14	0.0821
77C	30	90+90	649668	655668	DFT-s 16 QAM	120@125	120@0	18.85	18.63	21.75	19.05	0.0804
77C	30	90+90	653004	659004	DFT-s QPSK	120@125	120@0	19.15	18.43	21.82	19.12	0.0816
77C	30	90+90	653004	659004	DFT-s 16 QAM	120@125	120@0	19.03	18.4	21.74	19.04	0.0801
77C	30	90+90	656332	662332	DFT-s QPSK	120@125	120@0	18.81	17.69	21.30	18.60	0.0724



77C	30	90+90	656332	662332	DFT-s 16 QAM	120@125	120@0	18.72	17.7	21.25	18.55	0.0716
77C	30	100+70	650000	655656	DFT-s QPSK	135@67	90@45	16.45	16.24	19.36	16.66	0.0463
77C	30	100+70	650000	655656	DFT-s 16 QAM	135@67	90@45	16.44	16.23	19.35	16.65	0.0462
77C	30	100+70	653676	659332	DFT-s QPSK	135@67	90@45	16.37	16.08	19.24	16.54	0.0451
77C	30	100+70	653676	659332	DFT-s 16 QAM	135@67	90@45	16.36	16.07	19.23	16.53	0.0450
77C	30	100+70	657344	663000	DFT-s QPSK	135@67	90@45	16.11	15.9	19.02	16.32	0.0428
77C	30	100+70	657344	663000	DFT-s 16 QAM	135@67	90@45	16.07	15.88	18.99	16.29	0.0425
77C	30	70+100	648668	654324	DFT-s QPSK	90@45	135@67	16.73	16.18	19.47	16.77	0.0476
77C	30	70+100	648668	654324	DFT-s 16 QAM	90@45	135@67	16.7	16.15	19.44	16.74	0.0472
77C	30	70+100	652506	658162	DFT-s QPSK	90@45	135@67	16.67	16.15	19.43	16.73	0.0471
77C	30	70+100	652506	658162	DFT-s 16 QAM	90@45	135@67	16.65	16.14	19.41	16.71	0.0469
77C	30	70+100	656344	662000	DFT-s QPSK	90@45	135@67	16.22	15.84	19.04	16.34	0.0431
77C	30	70+100	656344	662000	DFT-s 16 QAM	90@45	135@67	16.2	15.77	19.00	16.30	0.0427
77C	30	90+80	649668	654662	DFT-s QPSK	128@117	100@0	19.07	18.52	21.81	19.11	0.0815
77C	30	90+80	649668	654662	DFT-s 16 QAM	128@117	100@0	19.06	18.42	21.76	19.06	0.0806
77C	30	90+80	653340	659004	DFT-s QPSK	128@117	100@0	18.96	18.43	21.71	19.01	0.0797
77C	30	90+80	653340	659004	DFT-s 16 QAM	128@117	100@0	18.95	18.42	21.70	19.00	0.0795
77C	30	90+80	657002	662666	DFT-s QPSK	128@117	100@0	18.57	18.27	21.43	18.73	0.0747
77C	30	90+80	657002	662666	DFT-s 16 QAM	128@117	100@0	18.39	18.09	21.25	18.55	0.0717
77C	30	80+90	649334	654998	DFT-s QPSK	100@117	128@0	19.13	18.3	21.75	19.05	0.0803
77C	30	80+90	649334	654998	DFT-s 16 QAM	100@117	128@0	19.05	18.21	21.66	18.96	0.0787
77C	30	80+90	653004	658668	DFT-s QPSK	100@117	128@0	18.93	18.64	21.80	19.10	0.0812
77C	30	80+90	653004	658668	DFT-s 16 QAM	100@117	128@0	18.91	18.63	21.78	19.08	0.0810
77C	30	80+90	656668	662332	DFT-s QPSK	100@117	128@0	18.55	18.11	21.35	18.65	0.0732
77C	30	80+90	656668	662332	DFT-s 16 QAM	100@117	128@0	18.48	18.04	21.28	18.58	0.0720
77C	30	100+60	650000	655320	DFT-s QPSK	162@111	54@0	19.26	18.26	21.80	19.10	0.0813
77C	30	100+60	650000	655320	DFT-s 16 QAM	162@111	54@0	19.23	18.24	21.77	19.07	0.0808
77C	30	100+60	654006	659326	DFT-s QPSK	162@111	54@0	19.18	18.14	21.70	19.00	0.0795
77C	30	100+60	654006	659326	DFT-s 16 QAM	162@111	54@0	19.16	18.13	21.69	18.99	0.0792
77C	30	100+60	658012	663332	DFT-s QPSK	162@111	54@0	18.61	18.02	21.34	18.64	0.0730
77C	30	100+60	658012	663332	DFT-s 16 QAM	162@111	54@0	18.6	18.01	21.33	18.63	0.0729
77C	30	60+100	648668	653988	DFT-s QPSK	54@108	162@0	18.86	18.69	21.79	19.09	0.0810
77C	30	60+100	648668	653988	DFT-s 16 QAM	54@108	162@0	18.76	18.61	21.70	19.00	0.0794
77C	30	60+100	652674	657994	DFT-s QPSK	54@108	162@0	19.12	18.45	21.81	19.11	0.0814



77C	30	60+100	652674	657994	DFT-s 16 QAM	54@108	162@0	19.1	18.42	21.78	19.08	0.0810
77C	30	60+100	656680	662000	DFT-s QPSK	54@108	162@0	18.82	18.28	21.57	18.87	0.0771
77C	30	60+100	656680	662000	DFT-s 16 QAM	54@108	162@0	18.81	18.26	21.55	18.85	0.0768
77C	30	90+70	649668	654996	DFT-s QPSK	120@60	90@45	16.62	16.29	19.47	16.77	0.0475
77C	30	90+70	649668	654996	DFT-s 16 QAM	120@60	90@45	16.59	16.26	19.44	16.74	0.0472
77C	30	90+70	653670	658998	DFT-s QPSK	120@60	90@45	16.78	15.79	19.32	16.62	0.0460
77C	30	90+70	653670	658998	DFT-s 16 QAM	120@60	90@45	16.74	15.78	19.30	16.60	0.0457
77C	30	90+70	657672	663000	DFT-s QPSK	120@60	90@45	16.29	15.79	19.06	16.36	0.0432
77C	30	90+70	657672	663000	DFT-s 16 QAM	120@60	90@45	16.28	15.77	19.04	16.34	0.0431
77C	30	70+90	648668	653996	DFT-s QPSK	90@45	120@60	16.94	15.82	19.43	16.73	0.0471
77C	30	70+90	648668	653996	DFT-s 16 QAM	90@45	120@60	16.93	15.82	19.42	16.72	0.0470
77C	30	70+90	652836	658164	DFT-s QPSK	90@45	120@60	16.68	16.02	19.37	16.67	0.0465
77C	30	70+90	652836	658164	DFT-s 16 QAM	90@45	120@60	16.67	16.02	19.37	16.67	0.0464
77C	30	70+90	657004	662332	DFT-s QPSK	90@45	120@60	16.63	15.61	19.16	16.46	0.0443
77C	30	70+90	657004	662332	DFT-s 16 QAM	90@45	120@60	16.61	15.58	19.14	16.44	0.0440
77C	30	80+80	649334	654666	DFT-s QPSK	108@109	108@0	18.95	18.64	21.81	19.11	0.0814
77C	30	80+80	649334	654666	DFT-s 16 QAM	108@109	108@0	18.94	18.63	21.80	19.10	0.0812
77C	30	80+80	653334	658666	DFT-s QPSK	108@109	108@0	18.81	18.76	21.80	19.10	0.0812
77C	30	80+80	653334	658666	DFT-s 16 QAM	108@109	108@0	18.79	18.74	21.78	19.08	0.0808
77C	30	80+80	657334	662666	DFT-s QPSK	108@109	108@0	18.44	18.36	21.41	18.71	0.0743
77C	30	80+80	657334	662666	DFT-s 16 QAM	108@109	108@0	18.41	18.35	21.39	18.69	0.0740
77C	30	100+50	650000	654984	DFT-s QPSK	162@111	32@0	19.25	18.21	21.77	19.07	0.0807
77C	30	100+50	650000	654984	DFT-s 16 QAM	162@111	32@0	19.23	18.19	21.75	19.05	0.0804
77C	30	100+50	654342	659326	DFT-s QPSK	162@111	32@0	18.86	18.3	21.60	18.90	0.0776
77C	30	100+50	654342	659326	DFT-s 16 QAM	162@111	32@0	18.83	18.12	21.50	18.80	0.0759
77C	30	100+50	658682	663666	DFT-s QPSK	162@111	32@0	18.52	18.05	21.30	18.60	0.0725
77C	30	100+50	658682	663666	DFT-s 16 QAM	162@111	32@0	18.5	18.04	21.29	18.59	0.0722
77C	30	50+100	648334	653318	DFT-s QPSK	32@101	162@0	18.8	18.77	21.80	19.10	0.0812
77C	30	50+100	648334	653318	DFT-s 16 QAM	32@101	162@0	18.78	18.74	21.77	19.07	0.0807
77C	30	50+100	652680	657664	DFT-s QPSK	32@101	162@0	19.1	18.54	21.84	19.14	0.0820
77C	30	50+100	652680	657664	DFT-s 16 QAM	32@101	162@0	19.07	18.53	21.82	19.12	0.0816
77C	30	50+100	657016	662000	DFT-s QPSK	32@101	162@0	18.67	18.32	21.51	18.81	0.0760
77C	30	50+100	657016	662000	DFT-s 16 QAM	32@101	162@0	18.66	18.31	21.50	18.80	0.0758
77C	30	90+60	649668	654660	DFT-s QPSK	144@101	54@0	18.85	18.75	21.81	19.11	0.0815



77C	30	90+60	649668	654660	DFT-s 16 QAM	144@101	54@0	18.83	18.67	21.76	19.06	0.0806
77C	30	90+60	654006	658998	DFT-s QPSK	144@101	54@0	18.85	19.35	22.12	19.42	0.0874
77C	30	90+60	654006	658998	DFT-s 16 QAM	144@101	54@0	18.89	18.56	21.74	19.04	0.0801
77C	30	90+60	658340	663332	DFT-s QPSK	144@101	54@0	18.92	18.51	21.73	19.03	0.0800
77C	30	90+60	658340	663332	DFT-s 16 QAM	144@101	54@0	18.91	18.56	21.75	19.05	0.0803
77C	30	60+90	648668	653660	DFT-s QPSK	54@108	144@0	18.97	18.51	21.76	19.06	0.0805
77C	30	60+90	648668	653660	DFT-s 16 QAM	54@108	144@0	18.92	18.57	21.76	19.06	0.0805
77C	30	60+90	653004	657996	DFT-s QPSK	54@108	144@0	19.21	18.51	21.88	19.18	0.0829
77C	30	60+90	653004	657996	DFT-s 16 QAM	54@108	144@0	19.22	18.57	21.92	19.22	0.0835
77C	30	60+90	657340	662332	DFT-s QPSK	54@108	144@0	19.21	18.59	21.92	19.22	0.0836
77C	30	60+90	657340	662332	DFT-s 16 QAM	54@108	144@0	19.26	18.52	21.92	19.22	0.0835
77C	30	80+70	649334	654330	DFT-s QPSK	108@54	90@45	16.9	15.83	19.41	16.71	0.0469
77C	30	80+70	649334	654330	DFT-s 16 QAM	108@54	90@45	16.93	15.84	19.43	16.73	0.0471
77C	30	80+70	653670	658666	DFT-s QPSK	108@54	90@45	16.88	15.82	19.39	16.69	0.0467
77C	30	80+70	653670	658666	DFT-s 16 QAM	108@54	90@45	16.93	15.86	19.44	16.74	0.0472
77C	30	80+70	658004	663000	DFT-s QPSK	108@54	90@45	16.9	15.81	19.40	16.70	0.0468
77C	30	80+70	658004	663000	DFT-s 16 QAM	108@54	90@45	16.95	15.85	19.45	16.75	0.0473
77C	30	70+80	648668	653664	DFT-s QPSK	90@45	108@54	16.6	16.29	19.46	16.76	0.0474
77C	30	70+80	648668	653664	DFT-s 16 QAM	90@45	108@54	16.56	16.22	19.40	16.70	0.0468
77C	30	70+80	653172	658168	DFT-s QPSK	90@45	108@54	16.61	16.28	19.46	16.76	0.0474
77C	30	70+80	653172	658168	DFT-s 16 QAM	90@45	108@54	16.58	16.24	19.42	16.72	0.0470
77C	30	70+80	657670	662666	DFT-s QPSK	90@45	108@54	16.59	16.26	19.44	16.74	0.0472
77C	30	70+80	657670	662666	DFT-s 16 QAM	90@45	108@54	16.57	16.23	19.41	16.71	0.0469
77C	30	100+40	650000	654648	DFT-s QPSK	180@93	6@0	18.75	18.86	21.82	19.12	0.0816
77C	30	100+40	650000	654648	DFT-s 16 QAM	180@93	6@0	18.72	18.77	21.76	19.06	0.0805
77C	30	100+40	654678	659326	DFT-s QPSK	180@93	6@0	18.78	18.89	21.85	19.15	0.0821
77C	30	100+40	654678	659326	DFT-s 16 QAM	180@93	6@0	18.76	18.83	21.81	19.11	0.0814
77C	30	100+40	659352	664000	DFT-s QPSK	180@93	6@0	18.71	18.82	21.78	19.08	0.0808
77C	30	100+40	659352	664000	DFT-s 16 QAM	180@93	6@0	18.67	18.7	21.70	19.00	0.0793
77C	30	40+100	648000	652648	DFT-s QPSK	6@100	180@0	18.79	18.84	21.83	19.13	0.0818
77C	30	40+100	648000	652648	DFT-s 16 QAM	6@100	180@0	18.78	18.81	21.81	19.11	0.0814
77C	30	40+100	652680	657328	DFT-s QPSK	6@100	180@0	18.82	18.87	21.86	19.16	0.0823
77C	30	40+100	652680	657328	DFT-s 16 QAM	6@100	180@0	18.81	18.85	21.84	19.14	0.0820
77C	30	40+100	657352	662000	DFT-s QPSK	6@100	180@0	18.74	18.79	21.78	19.08	0.0808



77C	30	40+100	657352	662000	DFT-s 16 QAM	6@100	180@0	18.74	18.78	21.77	19.07	0.0807
77C	30	90+50	649668	654324	DFT-s QPSK	150@95	36@0	19.03	18.7	21.88	19.18	0.0828
77C	30	90+50	649668	654324	DFT-s 16 QAM	150@95	36@0	19.01	18.64	21.84	19.14	0.0820
77C	30	90+50	654342	658998	DFT-s QPSK	150@95	36@0	19.05	18.73	21.90	19.20	0.0832
77C	30	90+50	654342	658998	DFT-s 16 QAM	150@95	36@0	19.05	18.68	21.88	19.18	0.0828
77C	30	90+50	659010	663666	DFT-s QPSK	150@95	36@0	19.01	18.68	21.86	19.16	0.0824
77C	30	90+50	659010	663666	DFT-s 16 QAM	150@95	36@0	18.97	18.6	21.80	19.10	0.0813
77C	30	50+90	648334	652990	DFT-s QPSK	36@97	150@0	18.33	19.25	21.82	19.12	0.0817
77C	30	50+90	648334	652990	DFT-s 16 QAM	36@97	150@0	18.33	19.26	21.83	19.13	0.0818
77C	30	50+90	653010	657666	DFT-s QPSK	36@97	150@0	18.36	19.28	21.85	19.15	0.0823
77C	30	50+90	653010	657666	DFT-s 16 QAM	36@97	150@0	18.36	19.28	21.85	19.15	0.0823
77C	30	50+90	657676	662332	DFT-s QPSK	36@97	150@0	18.29	19.21	21.78	19.08	0.0810
77C	30	50+90	657676	662332	DFT-s 16 QAM	36@97	150@0	18.32	19.24	21.81	19.11	0.0816
77C	30	80+60	649334	653994	DFT-s QPSK	120@97	64@0	17.24	18.02	20.66	17.96	0.0625
77C	30	80+60	649334	653994	DFT-s 16 QAM	120@97	64@0	17.3	18.08	20.72	18.02	0.0634
77C	30	80+60	654006	658666	DFT-s QPSK	120@97	64@0	17.26	18.07	20.69	17.99	0.0630
77C	30	80+60	654006	658666	DFT-s 16 QAM	120@97	64@0	17.28	18.09	20.71	18.01	0.0633
77C	30	80+60	658672	663332	DFT-s QPSK	120@97	64@0	17.3	18.01	20.68	17.98	0.0628
77C	30	80+60	658672	663332	DFT-s 16 QAM	120@97	64@0	17.27	18.06	20.69	17.99	0.0630
77C	30	60+80	648668	653328	DFT-s QPSK	64@98	120@0	18.56	18.93	21.76	19.06	0.0805
77C	30	60+80	648668	653328	DFT-s 16 QAM	64@98	120@0	18.58	18.97	21.79	19.09	0.0811
77C	30	60+80	653340	658000	DFT-s QPSK	64@98	120@0	18.59	18.99	21.80	19.10	0.0814
77C	30	60+80	653340	658000	DFT-s 16 QAM	64@98	120@0	18.63	19.02	21.84	19.14	0.0820
77C	30	60+80	658006	662666	DFT-s QPSK	64@98	120@0	18.65	18.89	21.78	19.08	0.0809
77C	30	60+80	658006	662666	DFT-s 16 QAM	64@98	120@0	18.53	18.93	21.74	19.04	0.0803
77C	30	70+70	648668	653332	DFT-s QPSK	90@45	90@45	17.09	15.64	19.44	16.74	0.0472
77C	30	70+70	648668	653332	DFT-s 16 QAM	90@45	90@45	17.04	15.77	19.46	16.76	0.0474
77C	30	70+70	653502	658166	DFT-s QPSK	90@45	90@45	17.72	15.75	19.86	17.16	0.0520
77C	30	70+70	653502	658166	DFT-s 16 QAM	90@45	90@45	17.08	15.78	19.49	16.79	0.0477
77C	30	70+70	658336	663000	DFT-s QPSK	90@45	90@45	17.04	14.61	19.00	16.30	0.0427
77C	30	70+70	658336	663000	DFT-s 16 QAM	90@45	90@45	17.09	15.77	19.49	16.79	0.0478
77C	30	100+30	650000	654326	DFT-s QPSK	162@108	0@0	21.82	-27.43	21.82	19.12	0.0817
77C	30	100+30	650000	654326	DFT-s 16 QAM	162@108	0@0	21.84	-26.3	21.84	19.14	0.0820
77C	30	100+30	655008	659334	DFT-s QPSK	162@108	0@0	21.85	-27.38	21.85	19.15	0.0822



77C	30	100+30	655008	659334	DFT-s 16 QAM	162@108	0@0	21.89	-25.95	21.89	19.19	0.0830
77C	30	100+30	660006	664332	DFT-s QPSK	162@108	0@0	21.78	-27.48	21.78	19.08	0.0809
77C	30	100+30	660006	664332	DFT-s 16 QAM	162@108	0@0	21.76	-26.59	21.76	19.06	0.0805
77C	30	30+100	647668	651994	DFT-s QPSK	0@0	162@3	-20.22	20.57	20.57	17.87	0.0612
77C	30	30+100	647668	651994	DFT-s 16 QAM	0@0	162@3	-23.13	21.41	21.41	18.71	0.0743
77C	30	30+100	652674	657000	DFT-s QPSK	0@0	162@3	-20.16	20.58	20.58	17.88	0.0614
77C	30	30+100	652674	657000	DFT-s 16 QAM	0@0	162@3	-23.33	21.8	21.80	19.10	0.0813
77C	30	30+100	657674	662000	DFT-s QPSK	0@0	162@3	-20.09	20.55	20.55	17.85	0.0610
77C	30	30+100	657674	662000	DFT-s 16 QAM	0@0	162@3	-24.76	20.82	20.82	18.12	0.0649
77C	30	90+40	649668	653988	DFT-s QPSK	160@85	10@0	19.05	19.11	22.09	19.39	0.0869
77C	30	90+40	649668	653988	DFT-s 16 QAM	160@85	10@0	18.32	19.38	21.89	19.19	0.0830
77C	30	90+40	654678	658998	DFT-s QPSK	160@85	10@0	18.37	19.41	21.93	19.23	0.0838
77C	30	90+40	654678	658998	DFT-s 16 QAM	160@85	10@0	18.38	19.44	21.95	19.25	0.0842
77C	30	90+40	659680	664000	DFT-s QPSK	160@85	10@0	18.22	18.58	21.41	18.71	0.0744
77C	30	90+40	659680	664000	DFT-s 16 QAM	160@85	10@0	18.27	19.33	21.84	19.14	0.0821
77C	30	40+90	648000	652320	DFT-s QPSK	20@86	150@0	18.58	18.89	21.75	19.05	0.0803
77C	30	40+90	648000	652320	DFT-s 16 QAM	20@86	150@0	18.09	19.22	21.70	19.00	0.0795
77C	30	40+90	653010	657330	DFT-s QPSK	20@86	150@0	19.08	19.12	22.11	19.41	0.0873
77C	30	40+90	653010	657330	DFT-s 16 QAM	20@86	150@0	18.11	19.24	21.72	19.02	0.0798
77C	30	40+90	658012	662332	DFT-s QPSK	20@86	150@0	18.04	18.53	21.30	18.60	0.0725
77C	30	40+90	658012	662332	DFT-s 16 QAM	20@86	150@0	18.06	19.2	21.68	18.98	0.0790
77C	30	80+50	649334	653658	DFT-s QPSK	128@89	45@0	18.46	19.12	21.81	19.11	0.0815
77C	30	80+50	649334	653658	DFT-s 16 QAM	128@89	45@0	18.45	19.11	21.80	19.10	0.0813
77C	30	80+50	654342	658666	DFT-s QPSK	128@89	45@0	18.48	19.14	21.83	19.13	0.0819
77C	30	80+50	654342	658666	DFT-s 16 QAM	128@89	45@0	18.48	19.14	21.83	19.13	0.0819
77C	30	80+50	659342	663666	DFT-s QPSK	128@89	45@0	18.43	19.09	21.78	19.08	0.0810
77C	30	80+50	659342	663666	DFT-s 16 QAM	128@89	45@0	18.42	19.08	21.77	19.07	0.0808
77C	30	50+80	648334	652658	DFT-s QPSK	45@88	128@0	18.35	18.8	21.59	18.89	0.0775
77C	30	50+80	648334	652658	DFT-s 16 QAM	45@88	128@0	18.42	18.86	21.66	18.96	0.0786
77C	30	50+80	653340	657664	DFT-s QPSK	45@88	128@0	18.38	18.84	21.63	18.93	0.0781
77C	30	50+80	653340	657664	DFT-s 16 QAM	45@88	128@0	18.47	18.91	21.71	19.01	0.0795
77C	30	50+80	658342	662666	DFT-s QPSK	45@88	128@0	18.31	18.76	21.55	18.85	0.0768
77C	30	50+80	658342	662666	DFT-s 16 QAM	45@88	128@0	18.37	18.81	21.61	18.91	0.0777
77C	30	70+60	648668	652992	DFT-s QPSK	90@45	81@40	16.34	16.52	19.44	16.74	0.0472



77C	30	70+60	648668	652992	DFT-s 16 QAM	90@45	81@40	16.16	16.72	19.46	16.76	0.0474
77C	30	70+60	653838	658162	DFT-s QPSK	90@45	81@40	16.33	16.53	19.44	16.74	0.0472
77C	30	70+60	653838	658162	DFT-s 16 QAM	90@45	81@40	16.15	16.73	19.46	16.76	0.0474
77C	30	70+60	659008	663332	DFT-s QPSK	90@45	81@40	16.32	16.51	19.43	16.73	0.0471
77C	30	70+60	659008	663332	DFT-s 16 QAM	90@45	81@40	16.13	16.71	19.44	16.74	0.0472
77C	30	60+70	648668	652992	DFT-s QPSK	81@40	90@45	16.72	16.11	19.44	16.74	0.0472
77C	30	60+70	648668	652992	DFT-s 16 QAM	81@40	90@45	16.72	16.11	19.44	16.74	0.0472
77C	30	60+70	653676	658000	DFT-s QPSK	81@40	90@45	16.74	16.13	19.46	16.76	0.0474
77C	30	60+70	653676	658000	DFT-s 16 QAM	81@40	90@45	16.75	16.13	19.46	16.76	0.0474
77C	30	60+70	658676	663000	DFT-s QPSK	81@40	90@45	16.76	16.08	19.44	16.74	0.0472
77C	30	60+70	658676	663000	DFT-s 16 QAM	81@40	90@45	16.7	16.09	19.42	16.72	0.0469
77C	30	100+25	650000	654160	DFT-s QPSK	162@95	0@0	21.81	-28.64	21.81	19.11	0.0815
77C	30	100+25	650000	654160	DFT-s 16 QAM	162@95	0@0	21.83	-21.17	21.83	19.13	0.0819
77C	30	100+25	655170	659330	DFT-s QPSK	162@95	0@0	21.84	-28.59	21.84	19.14	0.0820
77C	30	100+25	655170	659330	DFT-s 16 QAM	162@95	0@0	21.86	-26.91	21.86	19.16	0.0824
77C	30	100+25	660304	664500	DFT-s QPSK	162@95	0@0	21.78	-28.7	21.78	19.08	0.0809
77C	30	100+25	660304	664500	DFT-s 16 QAM	162@95	0@0	21.8	-27.68	21.80	19.10	0.0813
77C	30	25+100	647500	651660	DFT-s QPSK	0@0	162@16	-22.42	21.6	21.60	18.90	0.0776
77C	30	25+100	647500	651660	DFT-s 16 QAM	0@0	162@16	-19.81	20.52	20.52	17.82	0.0605
77C	30	25+100	652674	656834	DFT-s QPSK	0@0	162@16	-22.25	21.73	21.73	19.03	0.0800
77C	30	25+100	652674	656834	DFT-s 16 QAM	0@0	162@16	-19.76	20.53	20.53	17.83	0.0607
77C	30	25+100	657840	662000	DFT-s QPSK	0@0	162@16	-22.6	21.83	21.83	19.13	0.0818
77C	30	25+100	657840	662000	DFT-s 16 QAM	0@0	162@16	-19.93	20.49	20.49	17.79	0.0601
77C	30	100+20	650000	653996	DFT-s QPSK	162@81	0@0	21.84	-29.42	21.84	19.14	0.0820
77C	30	100+20	650000	653996	DFT-s 16 QAM	162@81	0@0	21.83	-28.44	21.83	19.13	0.0818
77C	30	100+20	655338	659334	DFT-s QPSK	162@81	0@0	21.9	-29.28	21.90	19.20	0.0832
77C	30	100+20	655338	659334	DFT-s 16 QAM	162@81	0@0	21.88	-28.34	21.88	19.18	0.0828
77C	30	100+20	660670	664666	DFT-s QPSK	162@81	0@0	21.82	-29.49	21.82	19.12	0.0817
77C	30	100+20	660670	664666	DFT-s 16 QAM	162@81	0@0	21.8	-28.56	21.80	19.10	0.0813
77C	30	20+100	647334	651330	DFT-s QPSK	0@0	162@30	-23.09	21.74	21.74	19.04	0.0802
77C	30	20+100	647334	651330	DFT-s 16 QAM	0@0	162@30	-25.17	21.7	21.70	19.00	0.0794
77C	30	20+100	652674	656670	DFT-s QPSK	0@0	162@30	-22.9	21.8	21.80	19.10	0.0813
77C	30	20+100	652674	656670	DFT-s 16 QAM	0@0	162@30	-25.05	21.73	21.73	19.03	0.0800
77C	30	20+100	658004	662000	DFT-s QPSK	0@0	162@30	-23.25	21.7	21.70	19.00	0.0794



77C	30	20+100	658004	662000	DFT-s 16 QAM	0@0	162@30	-25.42	21.63	21.63	18.93	0.0782
77C	30	90+30	649668	653660	DFT-s QPSK	160@83	0@0	21.85	-25.85	21.85	19.15	0.0822
77C	30	90+30	649668	653660	DFT-s 16 QAM	160@83	0@0	21.86	-25.36	21.86	19.16	0.0824
77C	30	90+30	655008	659000	DFT-s QPSK	160@83	0@0	21.9	-25.76	21.90	19.20	0.0832
77C	30	90+30	655008	659000	DFT-s 16 QAM	160@83	0@0	21.88	-25.3	21.88	19.18	0.0828
77C	30	90+30	660340	664332	DFT-s QPSK	160@83	0@0	21.8	-25.97	21.80	19.10	0.0813
77C	30	90+30	660340	664332	DFT-s 16 QAM	160@83	0@0	21.82	-25.45	21.82	19.12	0.0817
77C	30	30+90	647668	651660	DFT-s QPSK	0@0	160@2	-16.86	20.51	20.51	17.81	0.0604
77C	30	30+90	647668	651660	DFT-s 16 QAM	0@0	160@2	-21.37	21.68	21.68	18.98	0.0791
77C	30	30+90	653004	656996	DFT-s QPSK	0@0	160@2	-16.7	20.53	20.53	17.83	0.0607
77C	30	30+90	653004	656996	DFT-s 16 QAM	0@0	160@2	-20.04	21.82	21.82	19.12	0.0817
77C	30	30+90	658340	662332	DFT-s QPSK	0@0	160@2	-16.86	20.49	20.49	17.79	0.0601
77C	30	30+90	658340	662332	DFT-s 16 QAM	0@0	160@2	-21.76	20.81	20.81	18.11	0.0647
77C	30	80+40	649334	653322	DFT-s QPSK	135@82	24@0	18.67	18.94	21.82	19.12	0.0816
77C	30	80+40	649334	653322	DFT-s 16 QAM	135@82	24@0	18.65	18.89	21.78	19.08	0.0809
77C	30	80+40	654678	658666	DFT-s QPSK	135@82	24@0	18.9	18.7	21.81	19.11	0.0815
77C	30	80+40	654678	658666	DFT-s 16 QAM	135@82	24@0	18.74	18.97	21.87	19.17	0.0825
77C	30	80+40	660012	664000	DFT-s QPSK	135@82	24@0	18.7	18.63	21.68	18.98	0.0790
77C	30	80+40	660012	664000	DFT-s 16 QAM	135@82	24@0	18.62	18.85	21.75	19.05	0.0803
77C	30	40+80	648000	651988	DFT-s QPSK	25@81	135@0	19.06	17.96	21.56	18.86	0.0768
77C	30	40+80	648000	651988	DFT-s 16 QAM	25@81	135@0	18.17	18	21.10	18.40	0.0691
77C	30	40+80	653340	657328	DFT-s QPSK	25@81	135@0	19.02	18	21.55	18.85	0.0767
77C	30	40+80	653340	657328	DFT-s 16 QAM	25@81	135@0	19.04	18.04	21.58	18.88	0.0773
77C	30	40+80	658678	662666	DFT-s QPSK	25@81	135@0	18.97	17.91	21.48	18.78	0.0756
77C	30	40+80	658678	662666	DFT-s 16 QAM	25@81	135@0	18.03	17.97	21.01	18.31	0.0678
77C	30	70+50	648668	652660	DFT-s QPSK	90@45	64@32	16.35	16.51	19.44	16.74	0.0472
77C	30	70+50	648668	652660	DFT-s 16 QAM	90@45	64@32	16.37	16.54	19.47	16.77	0.0475
77C	30	70+50	654174	658166	DFT-s QPSK	90@45	64@32	16.36	16.51	19.45	16.75	0.0473
77C	30	70+50	654174	658166	DFT-s 16 QAM	90@45	64@32	16.35	16.56	19.47	16.77	0.0475
77C	30	70+50	659674	663666	DFT-s QPSK	90@45	64@32	16.34	16.49	19.43	16.73	0.0471
77C	30	70+50	659674	663666	DFT-s 16 QAM	90@45	64@32	16.38	16.52	19.46	16.76	0.0474
77C	30	50+70	648334	652326	DFT-s QPSK	64@32	90@45	16.97	15.98	19.51	16.81	0.0480
77C	30	50+70	648334	652326	DFT-s 16 QAM	64@32	90@45	16.94	15.98	19.50	16.80	0.0478
77C	30	50+70	653676	657668	DFT-s QPSK	64@32	90@45	16.98	15.98	19.52	16.82	0.0481



77C	30	50+70	653676	657668	DFT-s 16 QAM	64@32	90@45	16.95	15.99	19.51	16.81	0.0479
77C	30	50+70	659008	663000	DFT-s QPSK	64@32	90@45	16.95	15.96	19.49	16.79	0.0478
77C	30	50+70	659008	663000	DFT-s 16 QAM	64@32	90@45	16.93	15.97	19.49	16.79	0.0477
77C	30	60+60	648668	652668	DFT-s QPSK	81@81	81@0	18.74	19	21.88	19.18	0.0828
77C	30	60+60	648668	652668	DFT-s 16 QAM	81@81	81@0	18.67	19.01	21.85	19.15	0.0823
77C	30	60+60	654000	658000	DFT-s QPSK	81@81	81@0	18.69	19.05	21.88	19.18	0.0829
77C	30	60+60	654000	658000	DFT-s 16 QAM	81@81	81@0	18.68	19.03	21.87	19.17	0.0826
77C	30	60+60	659332	663332	DFT-s QPSK	81@81	81@0	18.66	18.97	21.83	19.13	0.0818
77C	30	60+60	659332	663332	DFT-s 16 QAM	81@81	81@0	18.64	18.98	21.82	19.12	0.0817
77C	30	100+15	650000	653808	DFT-s QPSK	150@86	0@0	21.82	-31.77	21.82	19.12	0.0817
77C	30	100+15	650000	653808	DFT-s 16 QAM	150@86	0@0	21.82	-27.23	21.82	19.12	0.0817
77C	30	100+15	655512	659320	DFT-s QPSK	150@86	0@0	21.84	-31.63	21.84	19.14	0.0820
77C	30	100+15	655512	659320	DFT-s 16 QAM	150@86	0@0	21.89	-26.58	21.89	19.19	0.0830
77C	30	100+15	661024	664832	DFT-s QPSK	150@86	0@0	21.79	-31.84	21.79	19.09	0.0811
77C	30	100+15	661024	664832	DFT-s 16 QAM	150@86	0@0	21.77	-27.77	21.77	19.07	0.0807
77C	30	15+100	647168	650976	DFT-s QPSK	0@0	150@37	-19.74	20.25	20.25	17.55	0.0569
77C	30	15+100	647168	650976	DFT-s 16 QAM	0@0	150@37	-26.72	21.76	21.76	19.06	0.0805
77C	30	15+100	652680	656488	DFT-s QPSK	0@0	150@37	-19.9	20.29	20.29	17.59	0.0574
77C	30	15+100	652680	656488	DFT-s 16 QAM	0@0	150@37	-26.48	21.8	21.80	19.10	0.0813
77C	30	15+100	658192	662000	DFT-s QPSK	0@0	150@37	-20.03	20.22	20.22	17.52	0.0565
77C	30	15+100	658192	662000	DFT-s 16 QAM	0@0	150@37	-27.02	21.69	21.69	18.99	0.0793
77C	30	90+25	649668	653492	DFT-s QPSK	150@85	0@0	21.84	-27.93	21.84	19.14	0.0820
77C	30	90+25	649668	653492	DFT-s 16 QAM	150@85	0@0	21.86	-24.93	21.86	19.16	0.0824
77C	30	90+25	655176	659000	DFT-s QPSK	150@85	0@0	21.86	-27.92	21.86	19.16	0.0824
77C	30	90+25	655176	659000	DFT-s 16 QAM	150@85	0@0	21.88	-24.82	21.88	19.18	0.0828
77C	30	90+25	660676	664500	DFT-s QPSK	150@85	0@0	21.92	-27.87	21.92	19.22	0.0836
77C	30	90+25	660676	664500	DFT-s 16 QAM	150@85	0@0	21.79	-25.36	21.79	19.09	0.0811
77C	30	25+90	647500	651324	DFT-s QPSK	0@0	150@10	-19.24	21.76	21.76	19.06	0.0805
77C	30	25+90	647500	651324	DFT-s 16 QAM	0@0	150@10	-19.63	21.67	21.67	18.97	0.0789
77C	30	25+90	653004	656828	DFT-s QPSK	0@0	150@10	-19.19	21.65	21.65	18.95	0.0785
77C	30	25+90	653004	656828	DFT-s 16 QAM	0@0	150@10	-19.71	21.57	21.57	18.87	0.0771
77C	30	25+90	658508	662332	DFT-s QPSK	0@0	150@10	-19.16	21.72	21.72	19.02	0.0798
77C	30	25+90	658508	662332	DFT-s 16 QAM	0@0	150@10	-19.64	21.56	21.56	18.86	0.0769
77C	30	100+10	650000	653640	DFT-s QPSK	144@81	0@0	21.94	-31.02	21.94	19.24	0.0839



77C	30	100+10	650000	653640	DFT-s 16 QAM	144@81	0@0	21.85	-31.12	21.85	19.15	0.0822
77C	30	100+10	655680	659320	DFT-s QPSK	144@81	0@0	21.87	-31.12	21.87	19.17	0.0826
77C	30	100+10	655680	659320	DFT-s 16 QAM	144@81	0@0	21.81	-31.15	21.81	19.11	0.0815
77C	30	100+10	661360	665000	DFT-s QPSK	144@81	0@0	21.85	-30.91	21.85	19.15	0.0822
77C	30	100+10	661360	665000	DFT-s 16 QAM	144@81	0@0	21.91	-31.17	21.91	19.21	0.0834
77C	30	10+100	647000	650640	DFT-s QPSK	0@0	144@48	-26.28	21.78	21.78	19.08	0.0809
77C	30	10+100	647000	650640	DFT-s 16 QAM	0@0	144@48	-26.34	21.89	21.89	19.19	0.0830
77C	30	10+100	652680	656320	DFT-s QPSK	0@0	144@48	-26.39	21.68	21.68	18.98	0.0791
77C	30	10+100	652680	656320	DFT-s 16 QAM	0@0	144@48	-26.31	21.79	21.79	19.09	0.0811
77C	30	10+100	658360	662000	DFT-s QPSK	0@0	144@48	-26.23	21.83	21.83	19.13	0.0818
77C	30	10+100	658360	662000	DFT-s 16 QAM	0@0	144@48	-26.32	21.83	21.83	19.13	0.0818
77C	30	90+20	649668	653328	DFT-s QPSK	144@80	0@0	21.89	-18.63	21.89	19.19	0.0830
77C	30	90+20	649668	653328	DFT-s 16 QAM	144@80	0@0	21.92	-18.74	21.92	19.22	0.0836
77C	30	90+20	655338	658998	DFT-s QPSK	144@80	0@0	21.93	-18.63	21.93	19.23	0.0838
77C	30	90+20	655338	658998	DFT-s 16 QAM	144@80	0@0	21.89	-18.64	21.89	19.19	0.0830
77C	30	90+20	661006	664666	DFT-s QPSK	144@80	0@0	21.97	-18.65	21.97	19.27	0.0845
77C	30	90+20	661006	664666	DFT-s 16 QAM	144@80	0@0	21.83	-18.68	21.83	19.13	0.0819
77C	30	20+90	647334	650994	DFT-s QPSK	0@0	144@21	-21.98	21.21	21.21	18.51	0.0710
77C	30	20+90	647334	650994	DFT-s 16 QAM	0@0	144@21	-21.91	21.32	21.32	18.62	0.0728
77C	30	20+90	653004	656664	DFT-s QPSK	0@0	144@21	-21.92	21.3	21.30	18.60	0.0724
77C	30	20+90	653004	656664	DFT-s 16 QAM	0@0	144@21	-21.99	21.43	21.43	18.73	0.0746
77C	30	20+90	658672	662332	DFT-s QPSK	0@0	144@21	-22.04	21.18	21.18	18.48	0.0705
77C	30	20+90	658672	662332	DFT-s 16 QAM	0@0	144@21	-21.87	21.31	21.31	18.61	0.0726
77C	30	80+30	649334	652990	DFT-s QPSK	144@73	2@0	19.04	18.67	21.87	19.17	0.0826
77C	30	80+30	649334	652990	DFT-s 16 QAM	144@73	2@0	18.95	18.66	21.82	19.12	0.0816
77C	30	80+30	655008	658664	DFT-s QPSK	144@73	2@0	18.96	18.58	21.78	19.08	0.0810
77C	30	80+30	655008	658664	DFT-s 16 QAM	144@73	2@0	19.02	18.77	21.91	19.21	0.0833
77C	30	80+30	660676	664332	DFT-s QPSK	144@73	2@0	19.15	18.69	21.94	19.24	0.0839
77C	30	80+30	660676	664332	DFT-s 16 QAM	144@73	2@0	19.06	18.76	21.92	19.22	0.0836
77C	30	30+80	647668	651324	DFT-s QPSK	3@74	144@0	18.52	19.16	21.86	19.16	0.0825
77C	30	30+80	647668	651324	DFT-s 16 QAM	3@74	144@0	18.42	19.16	21.82	19.12	0.0816
77C	30	30+80	653340	656996	DFT-s QPSK	3@74	144@0	18.61	19.24	21.95	19.25	0.0841
77C	30	30+80	653340	656996	DFT-s 16 QAM	3@74	144@0	18.34	19.24	21.82	19.12	0.0817
77C	30	30+80	659010	662666	DFT-s QPSK	3@74	144@0	18.52	19.23	21.90	19.20	0.0832



77C	30	30+80	659010	662666	DFT-s 16 QAM	3@74	144@0	18.37	19.09	21.76	19.06	0.0804
77C	30	70+40	648668	652324	DFT-s QPSK	90@45	50@25	16.58	16.26	19.43	16.73	0.0471
77C	30	70+40	648668	652324	DFT-s 16 QAM	90@45	50@25	16.47	16.19	19.34	16.64	0.0462
77C	30	70+40	654510	658166	DFT-s QPSK	90@45	50@25	16.49	16.28	19.40	16.70	0.0467
77C	30	70+40	654510	658166	DFT-s 16 QAM	90@45	50@25	16.53	16.19	19.37	16.67	0.0465
77C	30	70+40	660344	664000	DFT-s QPSK	90@45	50@25	16.53	16.29	19.42	16.72	0.0470
77C	30	70+40	660344	664000	DFT-s 16 QAM	90@45	50@25	16.44	16.18	19.32	16.62	0.0459
77C	30	40+70	648000	651656	DFT-s QPSK	50@25	90@45	16.62	16.25	19.45	16.75	0.0473
77C	30	40+70	648000	651656	DFT-s 16 QAM	50@25	90@45	16.58	16.22	19.41	16.71	0.0469
77C	30	40+70	653676	657332	DFT-s QPSK	50@25	90@45	16.65	16.34	19.51	16.81	0.0480
77C	30	40+70	653676	657332	DFT-s 16 QAM	50@25	90@45	16.54	16.08	19.33	16.63	0.0460
77C	30	40+70	659344	663000	DFT-s QPSK	50@25	90@45	16.52	16.15	19.35	16.65	0.0462
77C	30	40+70	659344	663000	DFT-s 16 QAM	50@25	90@45	16.44	16.27	19.37	16.67	0.0464
77C	30	60+50	648668	652320	DFT-s QPSK	81@81	60@0	18.71	18.85	21.79	19.09	0.0811
77C	30	60+50	648668	652320	DFT-s 16 QAM	81@81	60@0	18.77	18.79	21.79	19.09	0.0811
77C	30	60+50	654342	657994	DFT-s QPSK	81@81	60@0	18.74	18.91	21.84	19.14	0.0820
77C	30	60+50	654342	657994	DFT-s 16 QAM	81@81	60@0	18.83	18.79	21.82	19.12	0.0817
77C	30	60+50	660014	663666	DFT-s QPSK	81@81	60@0	18.72	18.79	21.77	19.07	0.0806
77C	30	60+50	660014	663666	DFT-s 16 QAM	81@81	60@0	18.84	18.68	21.77	19.07	0.0807
77C	30	50+60	648334	651986	DFT-s QPSK	60@73	81@0	18.65	18.76	21.72	19.02	0.0797
77C	30	50+60	648334	651986	DFT-s 16 QAM	60@73	81@0	18.75	18.78	21.78	19.08	0.0808
77C	30	50+60	654012	657664	DFT-s QPSK	60@73	81@0	18.82	18.85	21.85	19.15	0.0821
77C	30	50+60	654012	657664	DFT-s 16 QAM	60@73	81@0	18.88	18.72	21.81	19.11	0.0815
77C	30	50+60	659680	663332	DFT-s QPSK	60@73	81@0	18.64	18.9	21.78	19.08	0.0810
77C	30	50+60	659680	663332	DFT-s 16 QAM	60@73	81@0	18.78	18.83	21.82	19.12	0.0816
77C	30	90+15	649668	653140	DFT-s QPSK	120@60	18@9	16.12	16.81	19.49	16.79	0.0477
77C	30	90+15	649668	653140	DFT-s 16 QAM	120@60	18@9	16.03	16.78	19.43	16.73	0.0471
77C	30	90+15	655518	658990	DFT-s QPSK	120@60	18@9	16.14	16.87	19.53	16.83	0.0482
77C	30	90+15	655518	658990	DFT-s 16 QAM	120@60	18@9	16.05	16.73	19.41	16.71	0.0469
77C	30	90+15	661360	664832	DFT-s QPSK	120@60	18@9	16.09	16.77	19.45	16.75	0.0474
77C	30	90+15	661360	664832	DFT-s 16 QAM	120@60	18@9	16.07	16.78	19.45	16.75	0.0473
77C	30	15+90	647168	650640	DFT-s QPSK	0@0	135@30	-22.37	21.77	21.77	19.07	0.0807
77C	30	15+90	647168	650640	DFT-s 16 QAM	0@0	135@30	-22.41	21.83	21.83	19.13	0.0818
77C	30	15+90	653016	656488	DFT-s QPSK	0@0	135@30	-22.38	21.83	21.83	19.13	0.0818



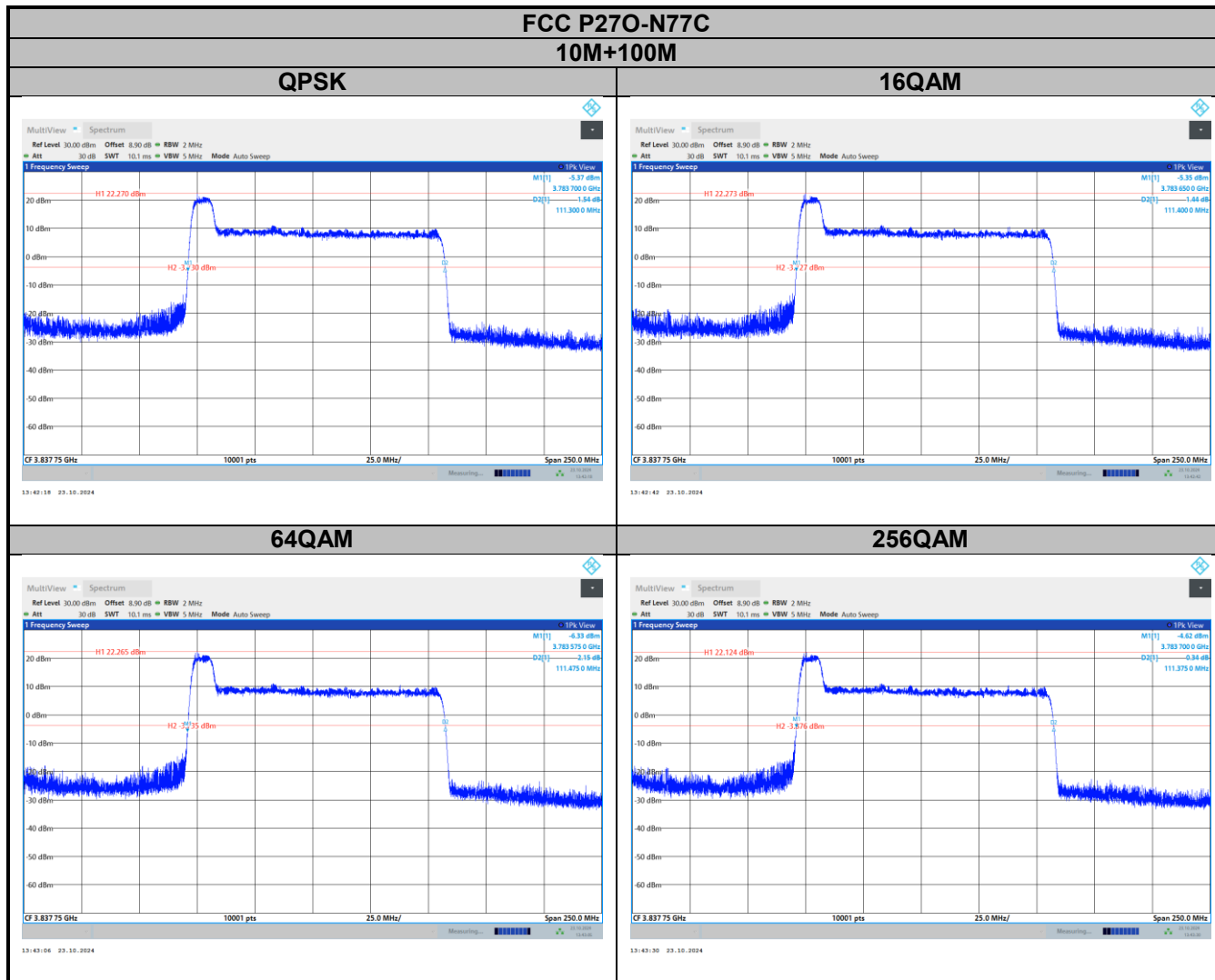
77C	30	15+90	653016	656488	DFT-s 16 QAM	0@0	135@30	-22.51	21.78	21.78	19.08	0.0809
77C	30	15+90	658860	662332	DFT-s QPSK	0@0	135@30	-22.33	21.75	21.75	19.05	0.0804
77C	30	15+90	658860	662332	DFT-s 16 QAM	0@0	135@30	-22.4	21.88	21.88	19.18	0.0828
77C	30	80+25	649334	652822	DFT-s QPSK	108@54	32@16	16.2	16.74	19.49	16.79	0.0477
77C	30	80+25	649334	652822	DFT-s 16 QAM	108@54	32@16	16.07	16.78	19.45	16.75	0.0473
77C	30	80+25	655176	658664	DFT-s QPSK	108@54	32@16	16.03	16.83	19.46	16.76	0.0474
77C	30	80+25	655176	658664	DFT-s 16 QAM	108@54	32@16	15.97	16.85	19.44	16.74	0.0472
77C	30	80+25	661012	664500	DFT-s QPSK	108@54	32@16	16.09	16.78	19.46	16.76	0.0474
77C	30	80+25	661012	664500	DFT-s 16 QAM	108@54	32@16	16.06	16.82	19.47	16.77	0.0475
77C	30	25+80	647500	650988	DFT-s QPSK	0@0	135@3	-22.44	21.83	21.83	19.13	0.0818
77C	30	25+80	647500	650988	DFT-s 16 QAM	0@0	135@3	-22.31	21.87	21.87	19.17	0.0826
77C	30	25+80	653340	656828	DFT-s QPSK	0@0	135@3	-22.46	21.85	21.85	19.15	0.0822
77C	30	25+80	653340	656828	DFT-s 16 QAM	0@0	135@3	-22.41	21.9	21.90	19.20	0.0832
77C	30	25+80	659178	662666	DFT-s QPSK	0@0	135@3	-22.44	21.78	21.78	19.08	0.0809
77C	30	25+80	659178	662666	DFT-s 16 QAM	0@0	135@3	-22.45	21.77	21.77	19.07	0.0807

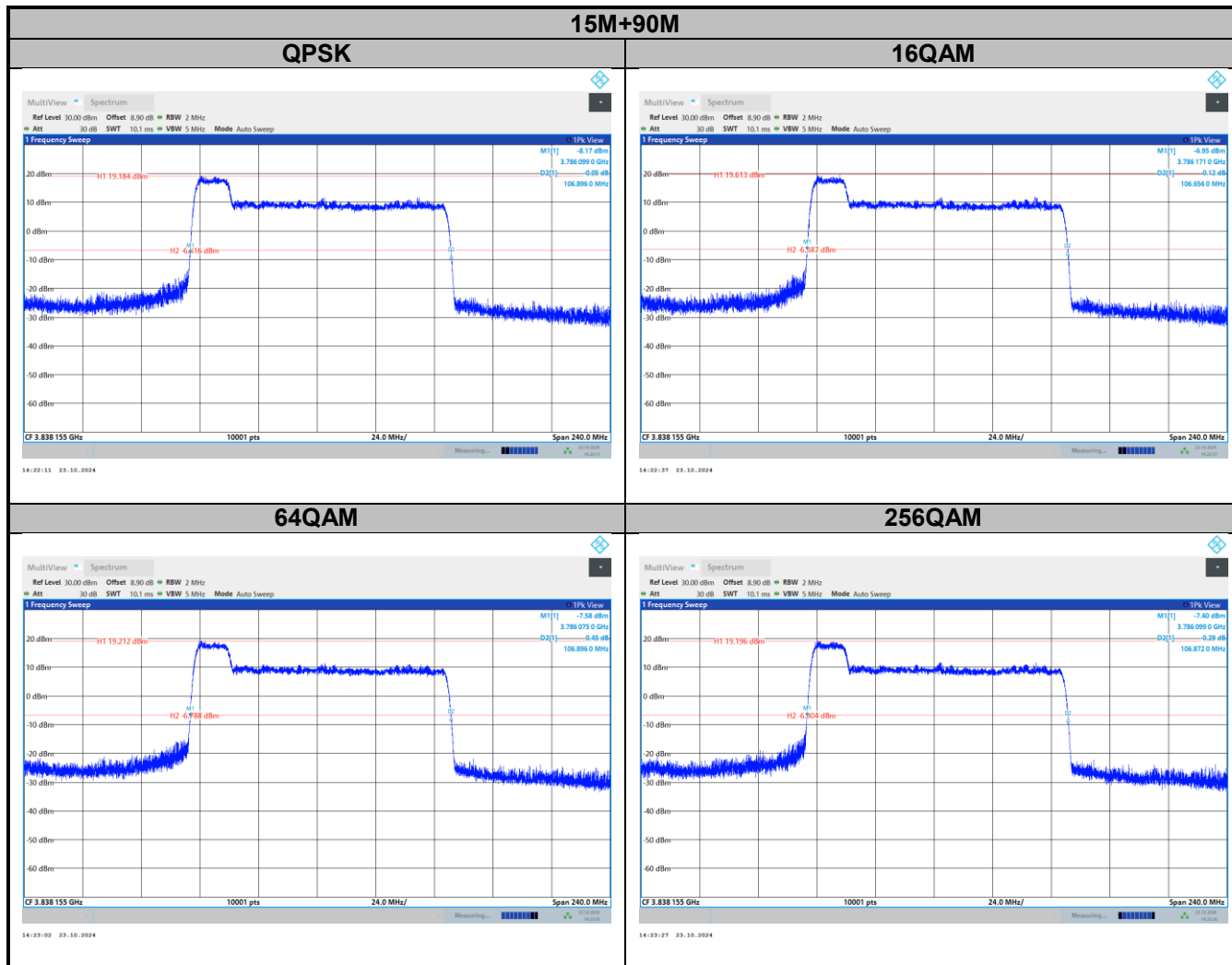
**26dB Bandwidth**

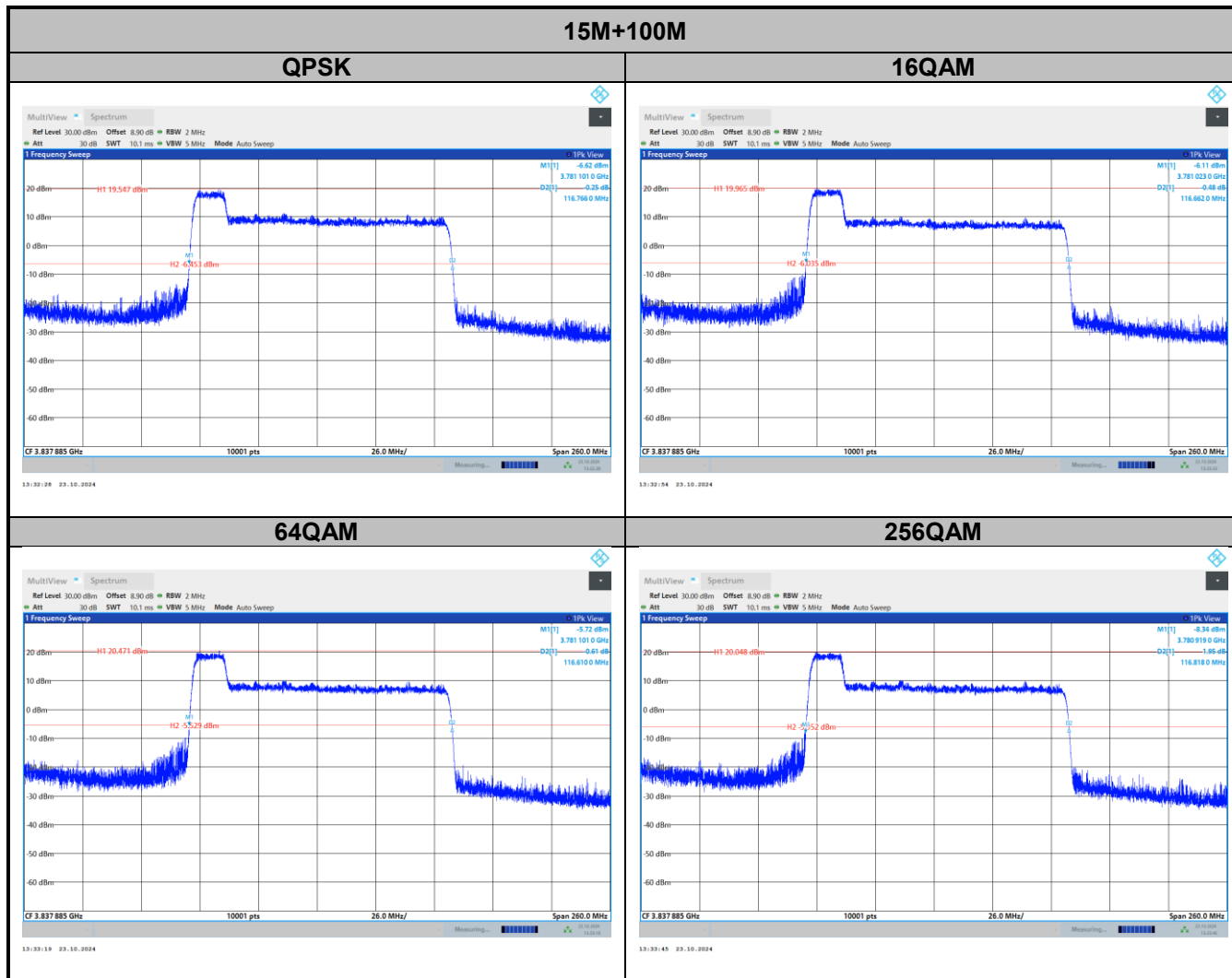
Mode	FCC P27O-N77C : 26dB BW(MHz)				
Modulation	10MHz+100MHz	15MHz+90MHz	15MHz+100MHz	20MHz+90MHz	20MHz+100MHz
QPSK	111.3	106.896	116.766	112.125	121.797
16QAM	111.4	106.656	116.662	111.825	121.716
64QAM	111.475	106.896	116.61	111.8	121.851
256QAM	111.375	106.872	116.818	111.825	121.797
Modulation	25MHz+80MHz	25MHz+90MHz	25MHz+100MHz	30MHz+80MHz	30MHz+90MHz
QPSK	106.968	117.13	126.84	111.875	121.878
16QAM	107.112	117.026	126.784	111.95	121.851
64QAM	106.992	117.156	126.952	111.875	121.986
256QAM	107.016	117.026	126.924	111.9	121.959
Modulation	30MHz+100MHz	40MHz+70MHz	40MHz+80MHz	40MHz+90MHz	40MHz+100MHz
QPSK	132.385	112.025	121.851	132.066	141.825
16QAM	132.269	111.975	121.932	131.863	141.825
64QAM	132.327	112	121.905	131.95	141.949
256QAM	132.298	111.95	121.986	131.834	141.918
Modulation	50MHz+60MHz	50MHz+70MHz	50MHz+80MHz	50MHz+90MHz	50MHz+100MHz
QPSK	112.275	121.932	131.95	141.763	151.635
16QAM	112.275	122.067	131.863	141.763	151.734
64QAM	112.425	121.986	132.095	141.763	151.668
256QAM	112.325	122.094	131.979	141.701	151.668
Modulation	60MHz+50MHz	60MHz+60MHz	60MHz+70MHz	60MHz+80MHz	60MHz+90MHz
QPSK	112.325	125.361	132.298	142.166	152.328
16QAM	112.325	122.58	134.734	142.197	152.625
64QAM	112.4	122.877	134.531	142.228	152.394
256QAM	112.35	122.661	133.516	142.259	152.559
Modulation	60MHz+100MHz	70MHz+40MHz	70MHz+50MHz	70MHz+60MHz	70MHz+70MHz
QPSK	162.26	112.25	122.283	132.182	142.321
16QAM	162.225	112.15	122.283	132.211	142.414
64QAM	162.155	112.175	122.31	132.211	142.29
256QAM	162.33	112.15	122.283	132.298	142.352

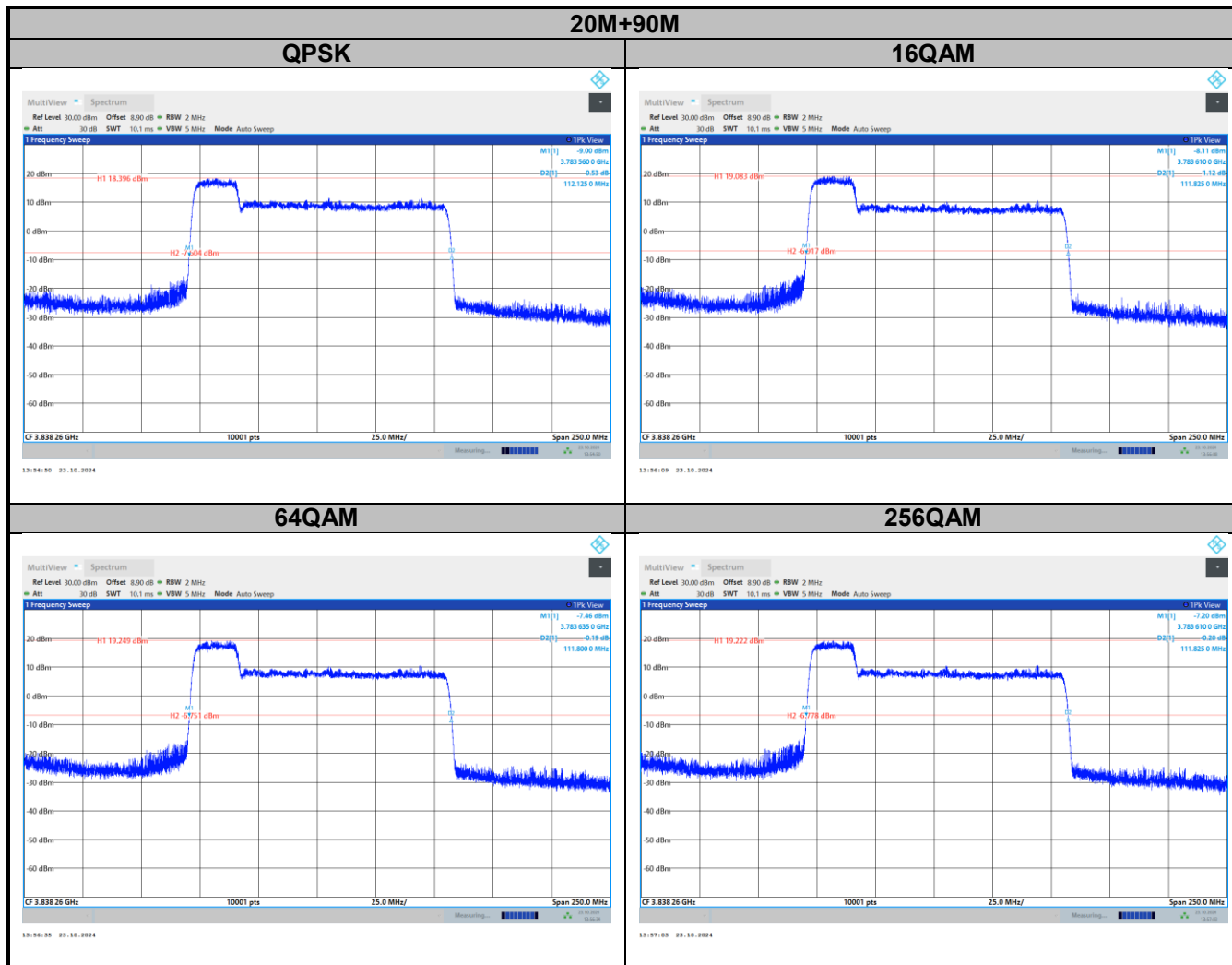


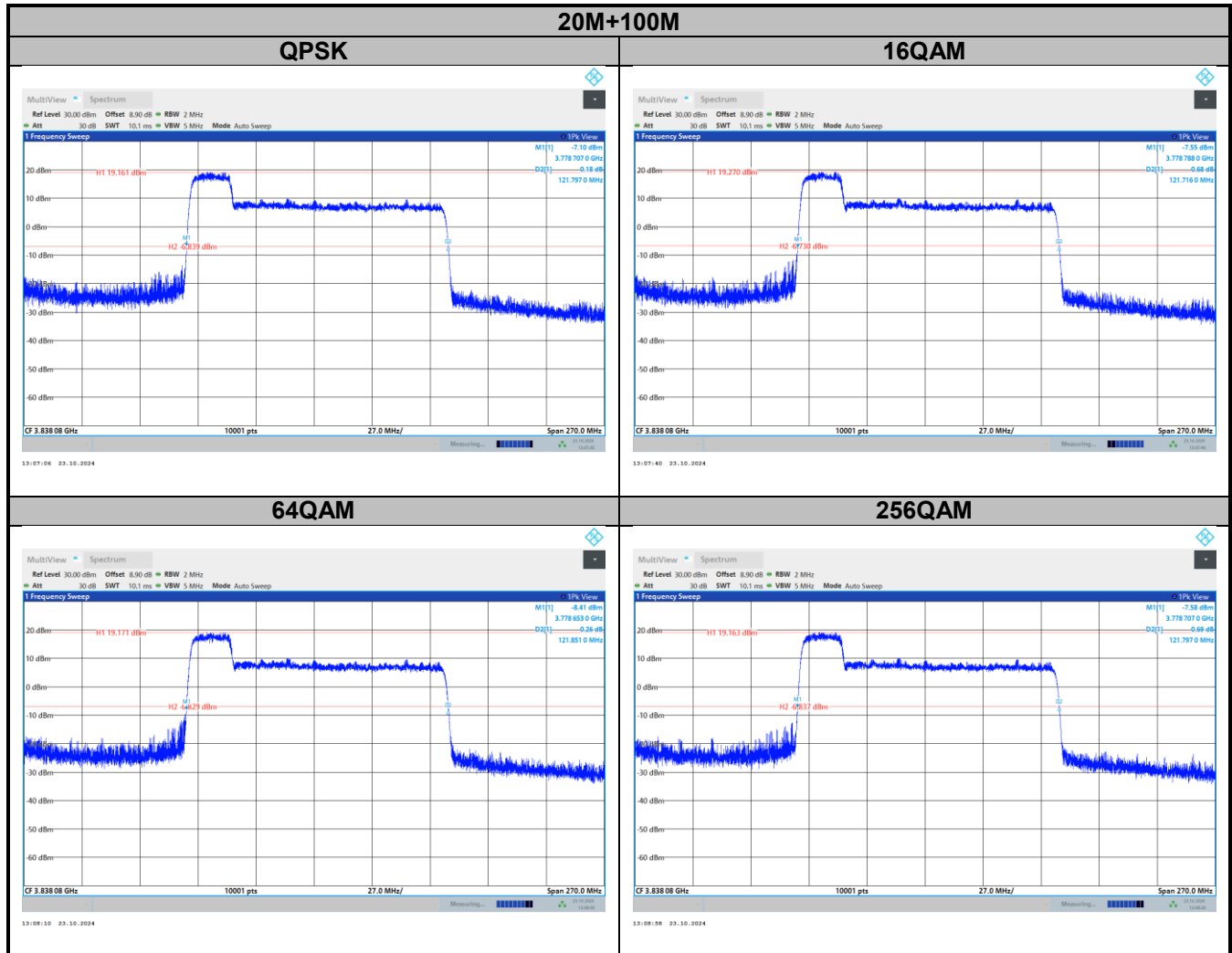
Modulation	70MHz+80MHz	70MHz+90MHz	70MHz+100MHz	80MHz+25MHz	80MHz+30MHz
QPSK	151.998	162.19	172.013	107.424	112.075
16QAM	152.031	162.225	172.124	107.304	112.1
64QAM	151.998	162.26	172.124	107.376	112.125
256QAM	152.064	162.05	172.087	107.28	112.175
Modulation	80MHz+40MHz	80MHz+50MHz	80MHz+60MHz	80MHz+70MHz	80MHz+80MHz
QPSK	122.148	132.182	142.321	152.361	162.54
16QAM	122.04	132.269	142.6	152.46	162.47
64QAM	122.148	132.269	142.507	152.361	162.47
256QAM	122.121	132.24	142.476	152.427	162.47
Modulation	80MHz+90MHz	80MHz+100MHz	90MHz+15MHz	90MHz+20MHz	90MHz+25MHz
QPSK	172.457	182.403	106.944	111.85	117.39
16QAM	172.605	182.325	107.04	112.225	117.364
64QAM	172.457	182.442	106.992	112.125	117.416
256QAM	172.531	182.169	106.992	112.05	117.416
Modulation	90MHz+30MHz	90MHz+40MHz	90MHz+50MHz	90MHz+60MHz	90MHz+70MHz
QPSK	122.121	132.472	142.104	152.493	162.47
16QAM	122.013	132.356	142.104	152.526	162.4
64QAM	121.986	132.356	142.135	152.46	162.4
256QAM	121.986	132.559	142.135	152.526	162.54
Modulation	90MHz+80MHz	90MHz+90MHz	90MHz+100MHz	100MHz+10MHz	100MHz+15MHz
QPSK	172.383	182.403	192.331	111.8	117
16QAM	172.494	182.559	192.495	111.85	117
64QAM	172.457	182.403	192.413	111.975	117.104
256QAM	172.494	182.52	192.454	111.95	117
Modulation	100MHz+20MHz	100MHz+25MHz	100MHz+30MHz	100MHz+40MHz	100MHz+50MHz
QPSK	122.337	127.428	132.356	142.135	152.13
16QAM	122.337	127.428	132.385	142.166	152.031
64QAM	122.31	127.484	132.269	142.29	152.196
256QAM	122.31	127.484	132.269	142.29	152.13
Modulation	100MHz+60MHz	100MHz+70MHz	100MHz+80MHz	100MHz+90MHz	100MHz+100MHz
QPSK	162.505	172.494	182.442	192.577	202.487
16QAM	162.54	172.531	182.403	192.905	202.745
64QAM	162.505	172.457	182.559	192.7	202.702
256QAM	162.47	172.494	182.364	192.659	202.702

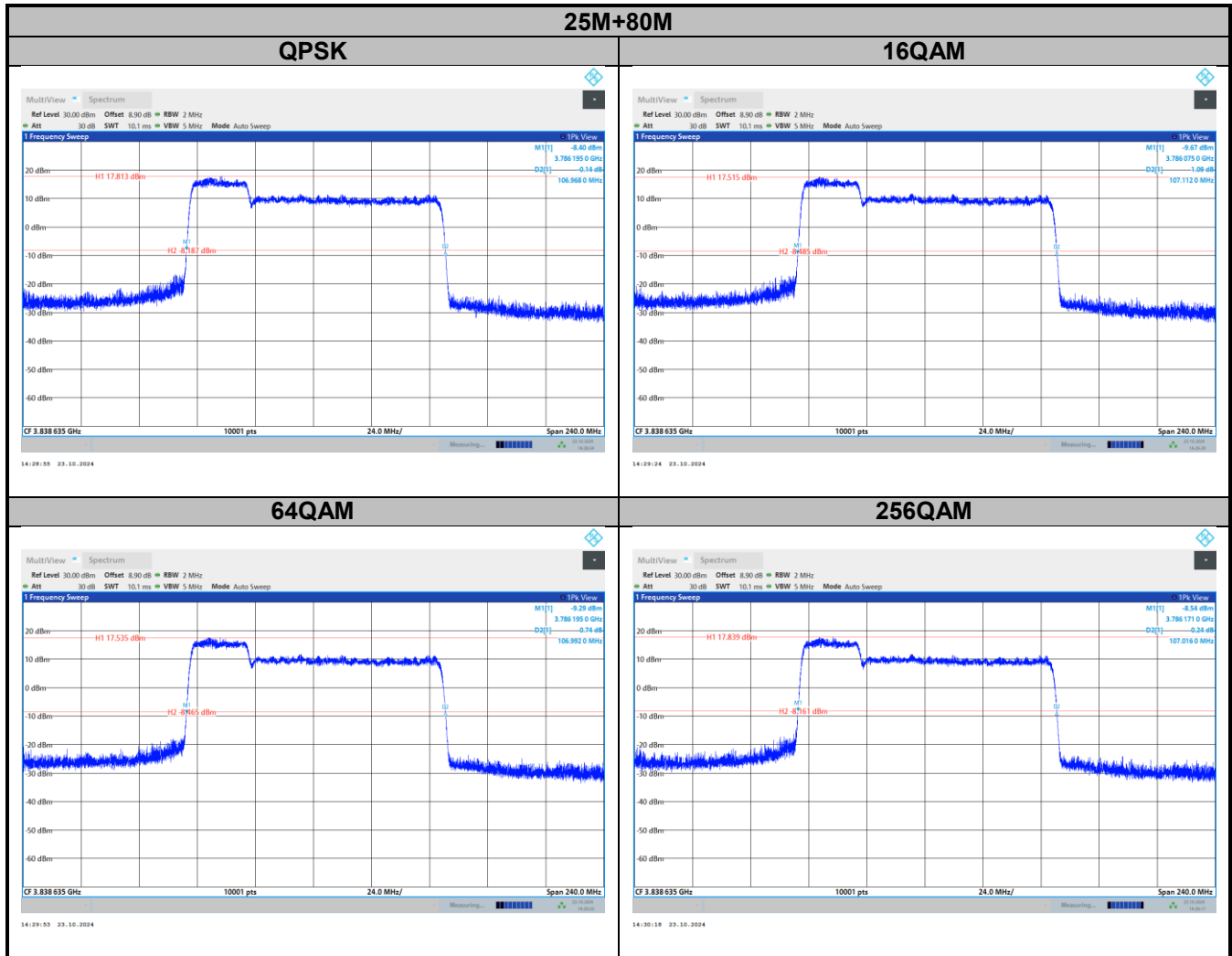


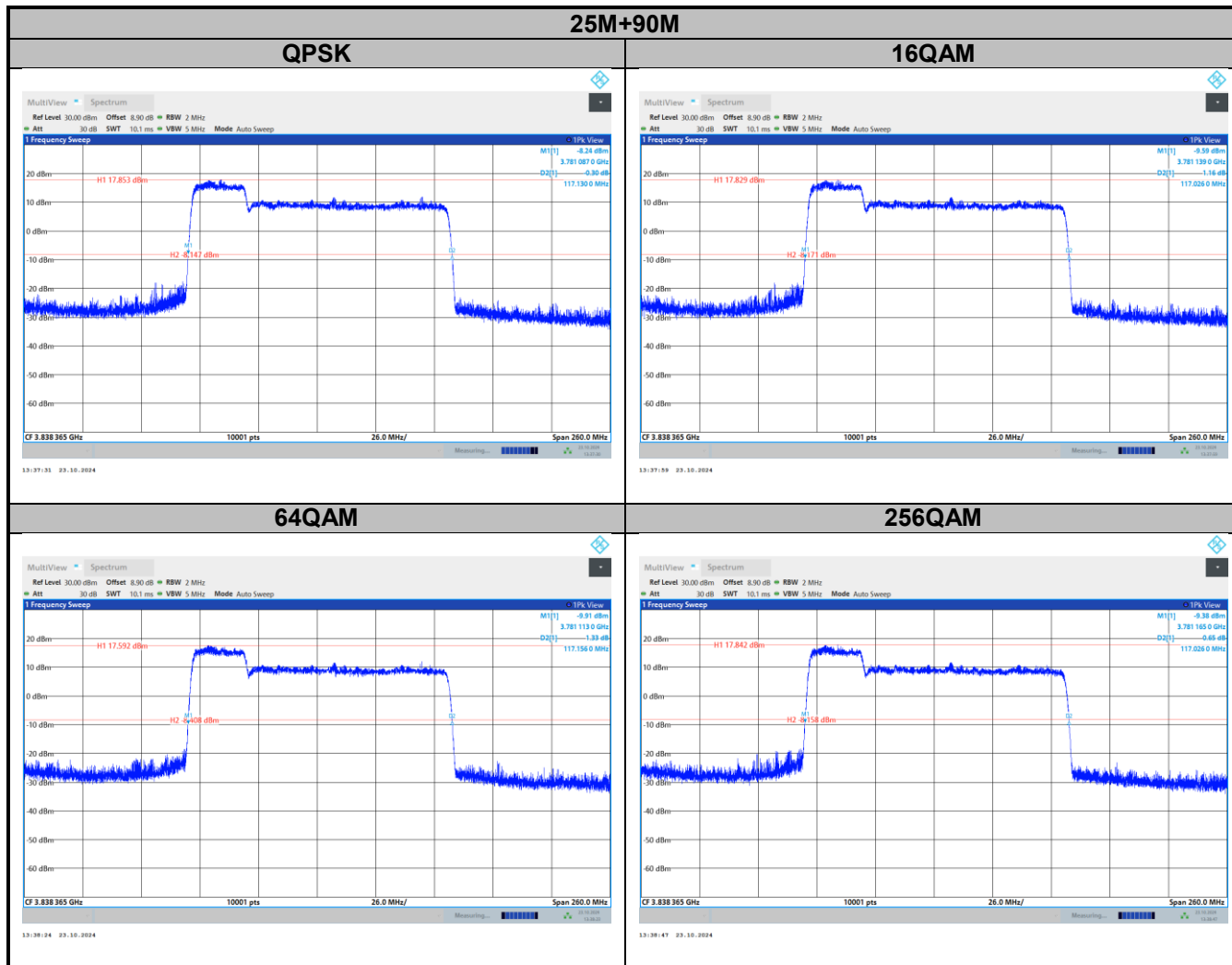


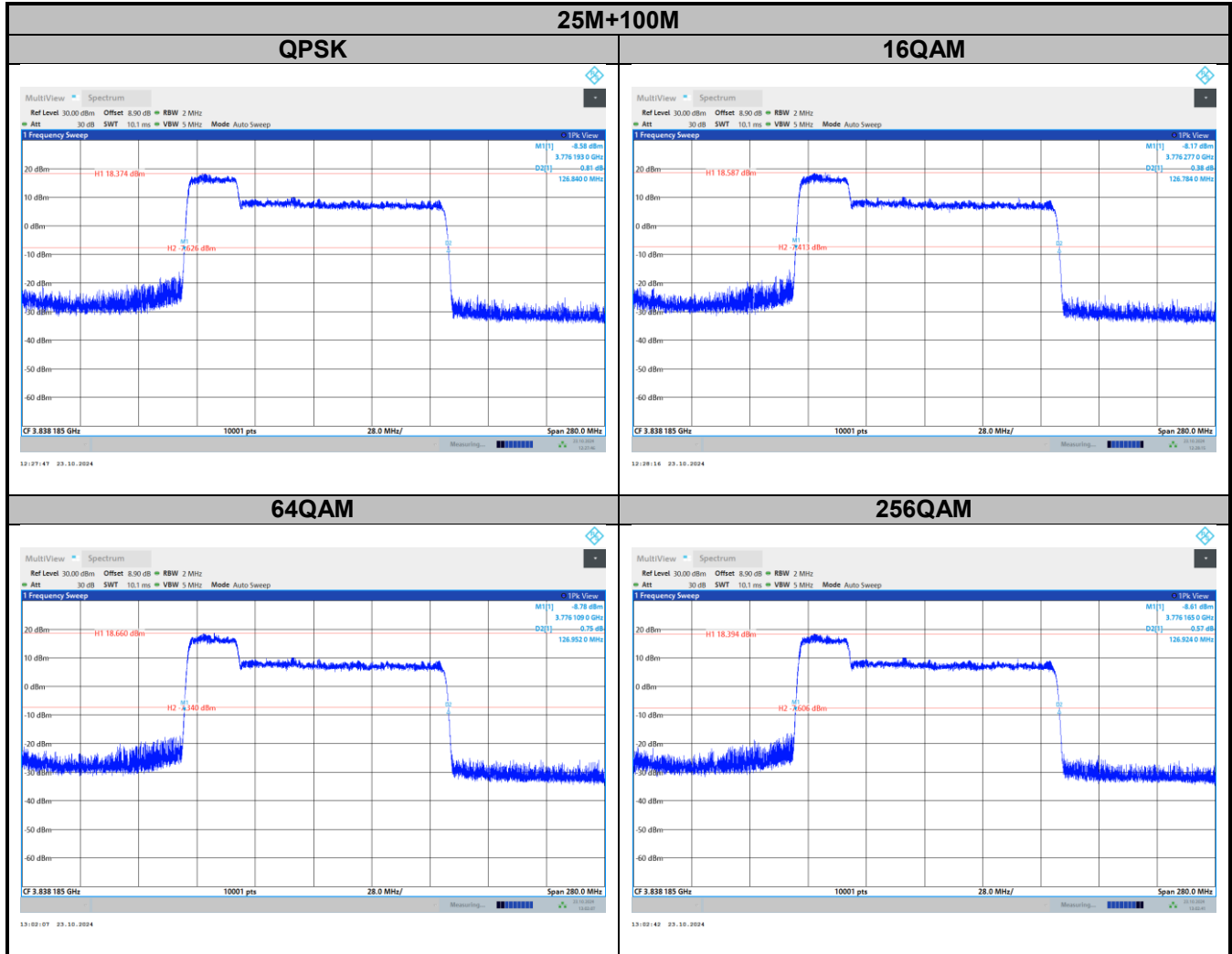


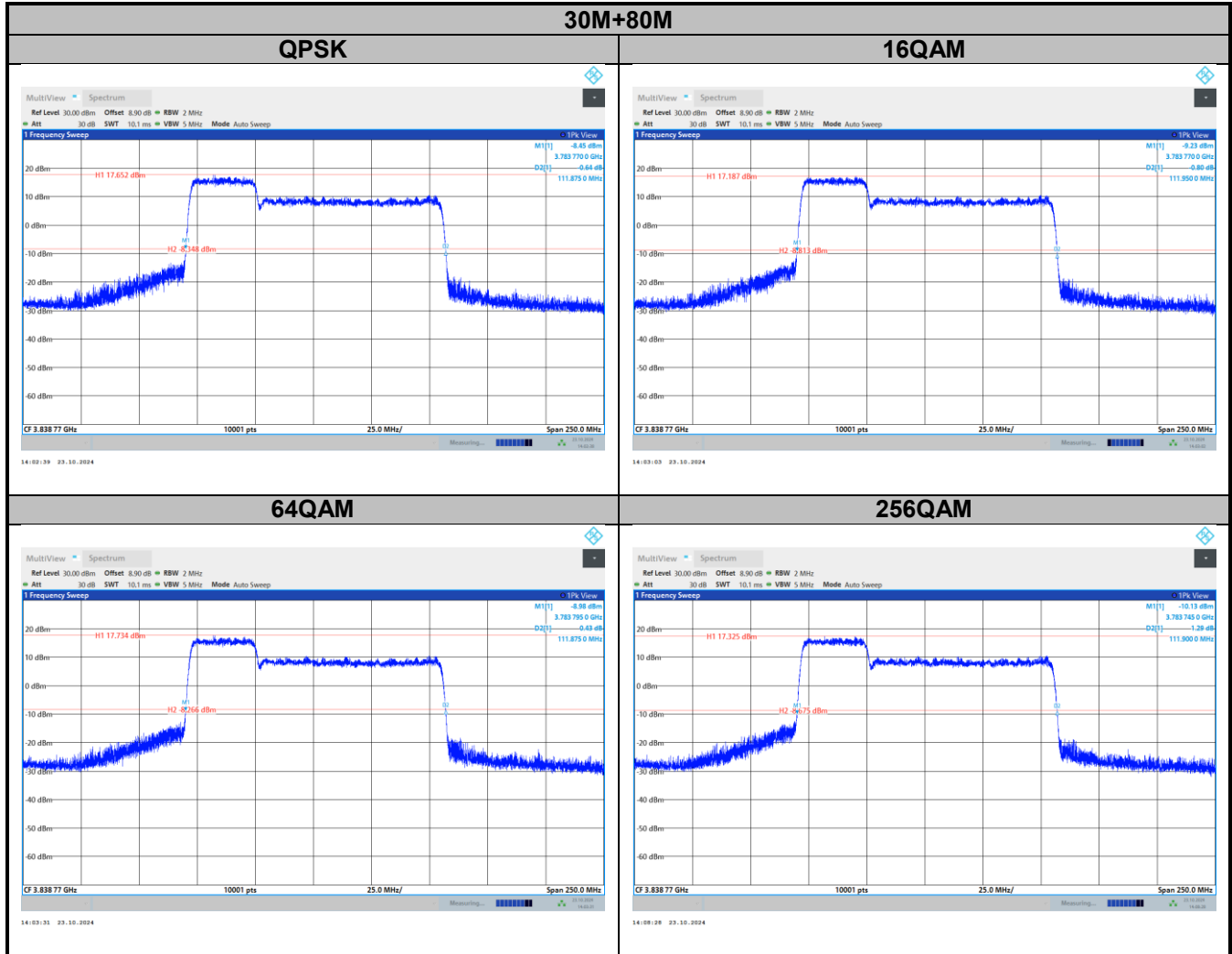


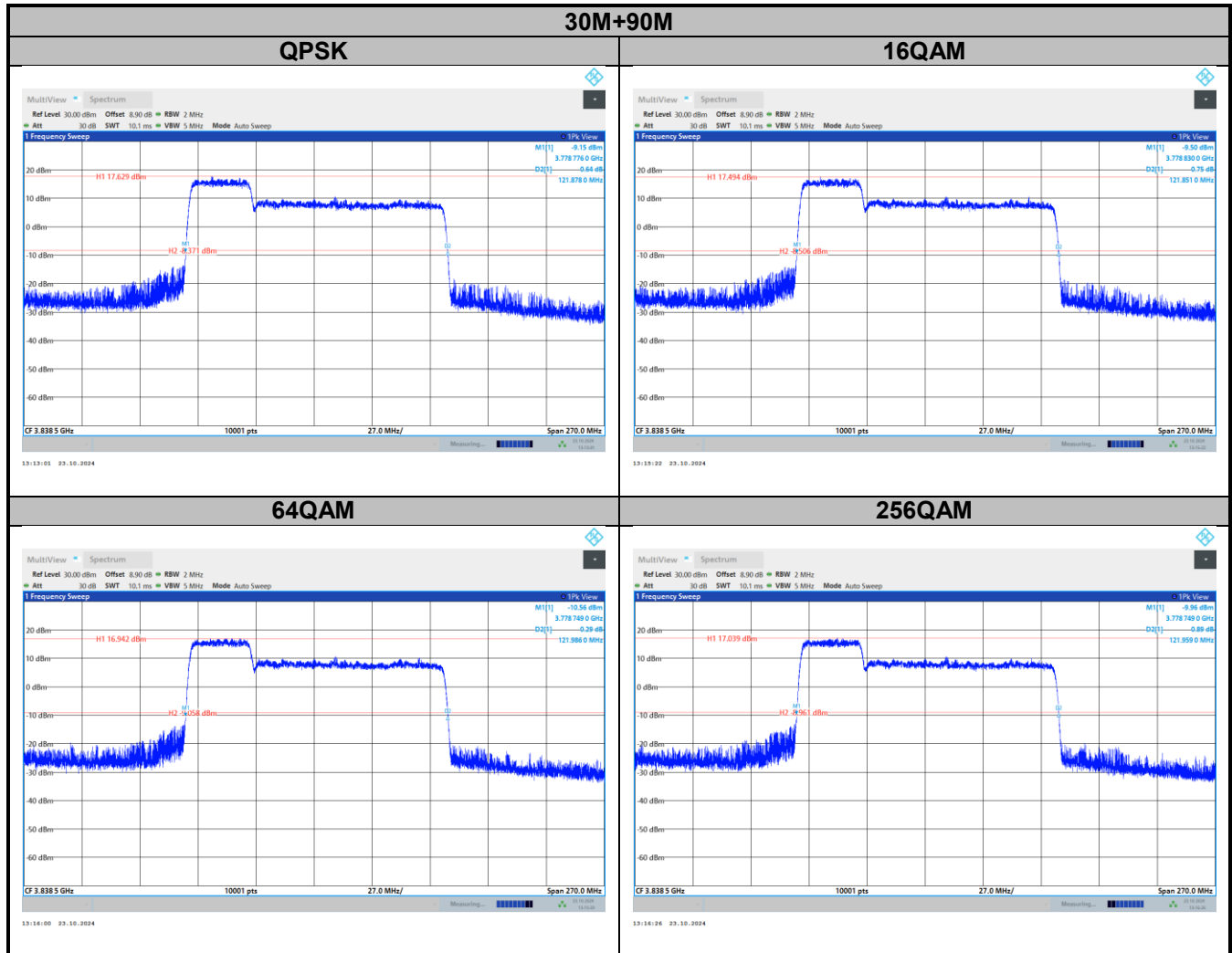


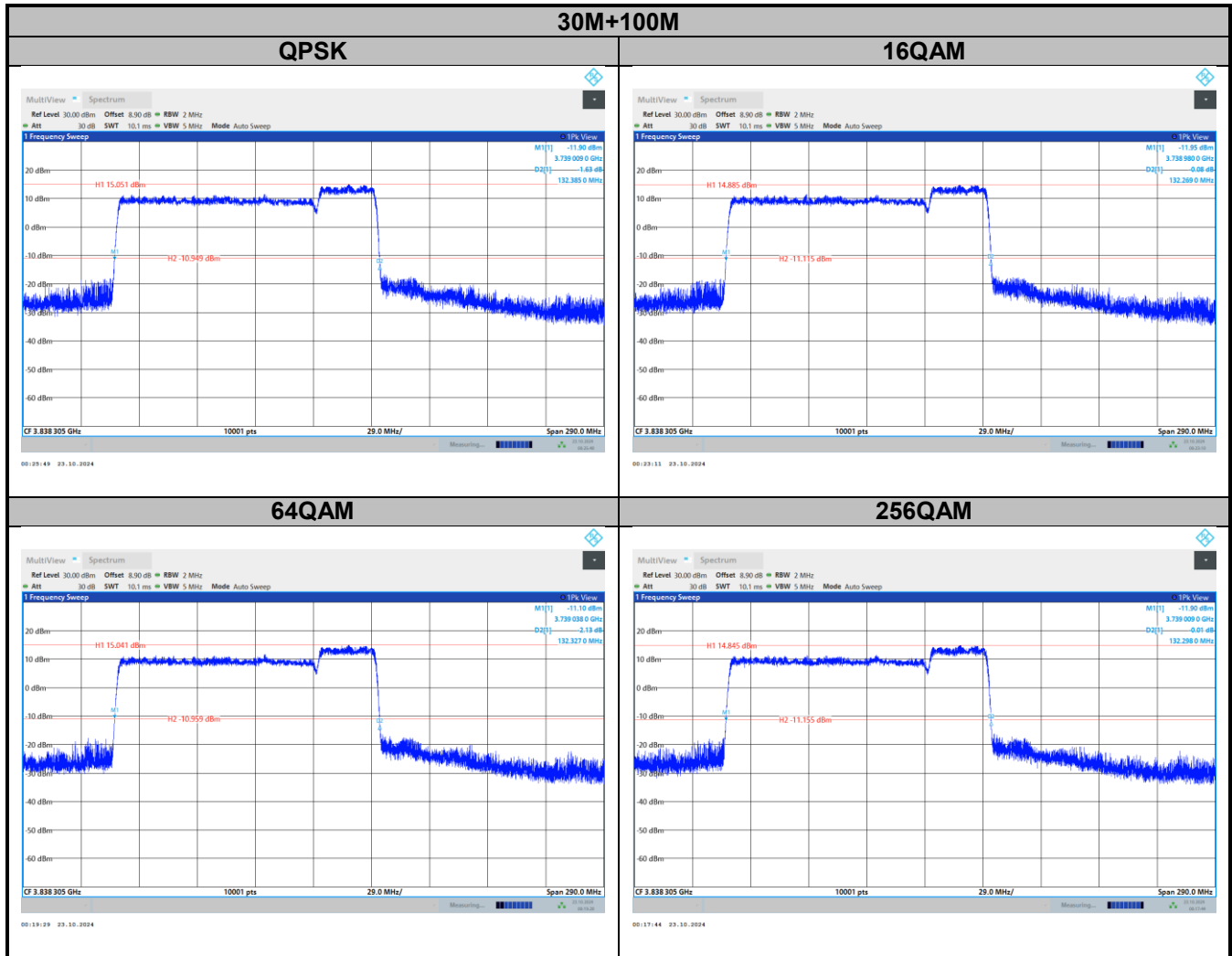


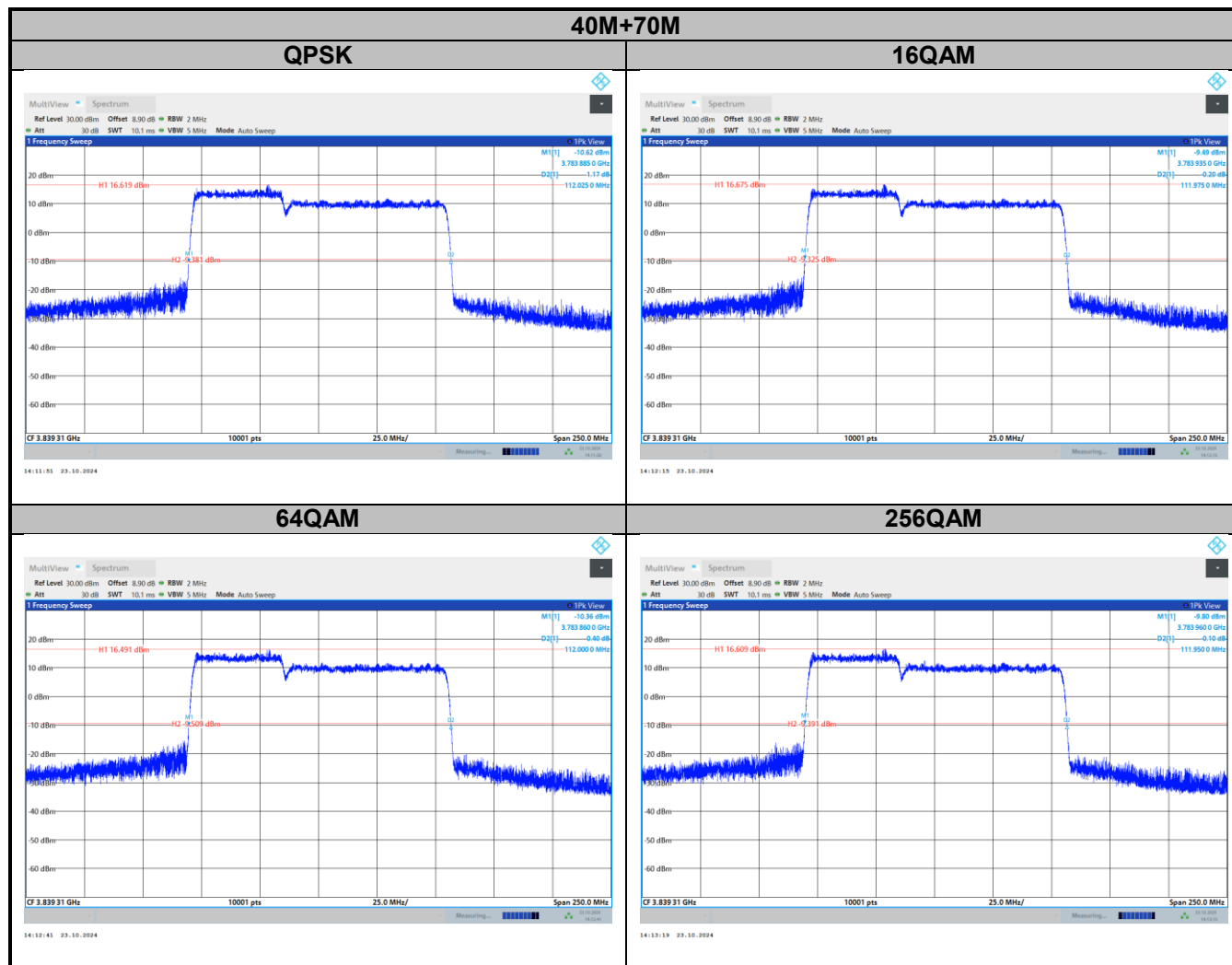


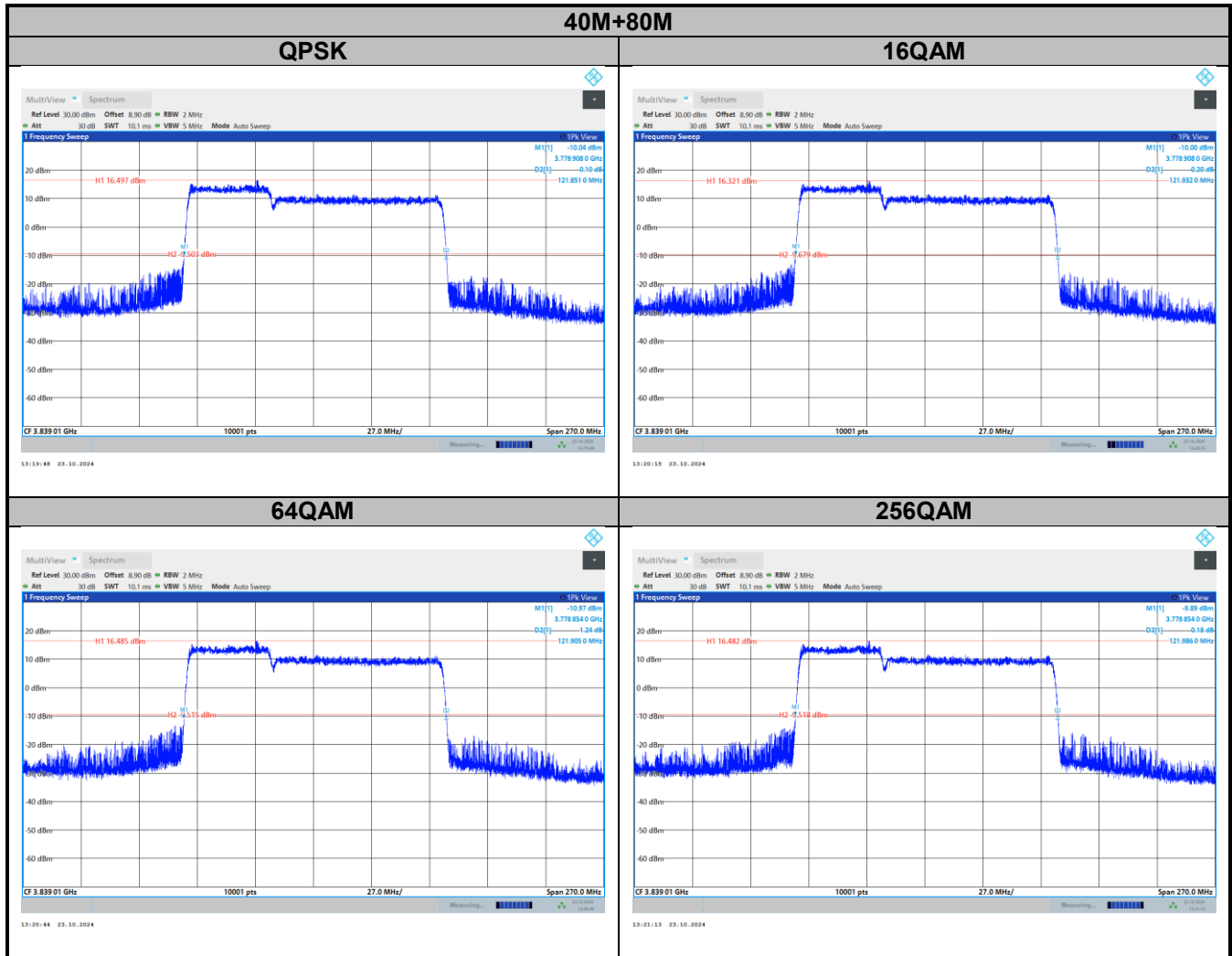


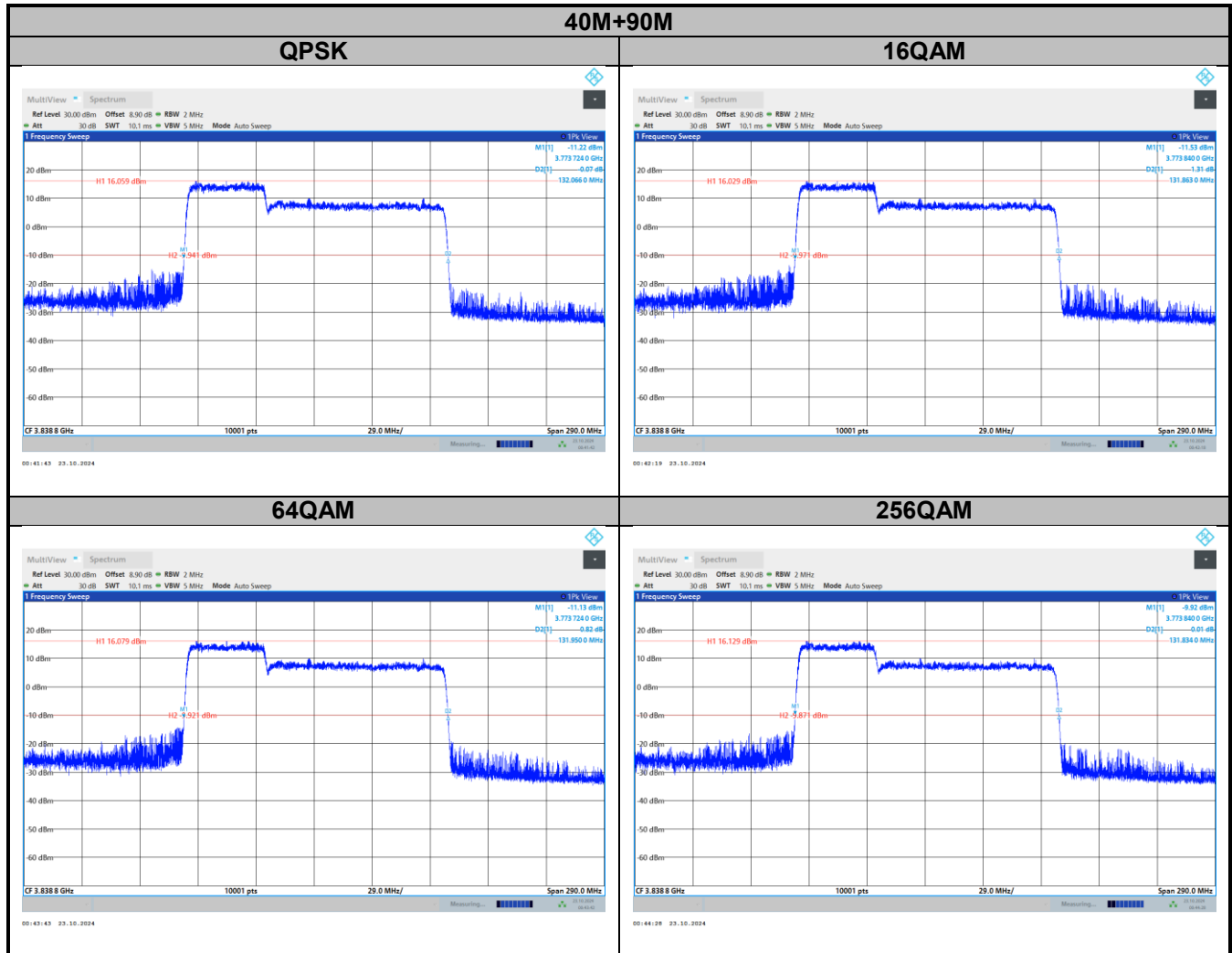


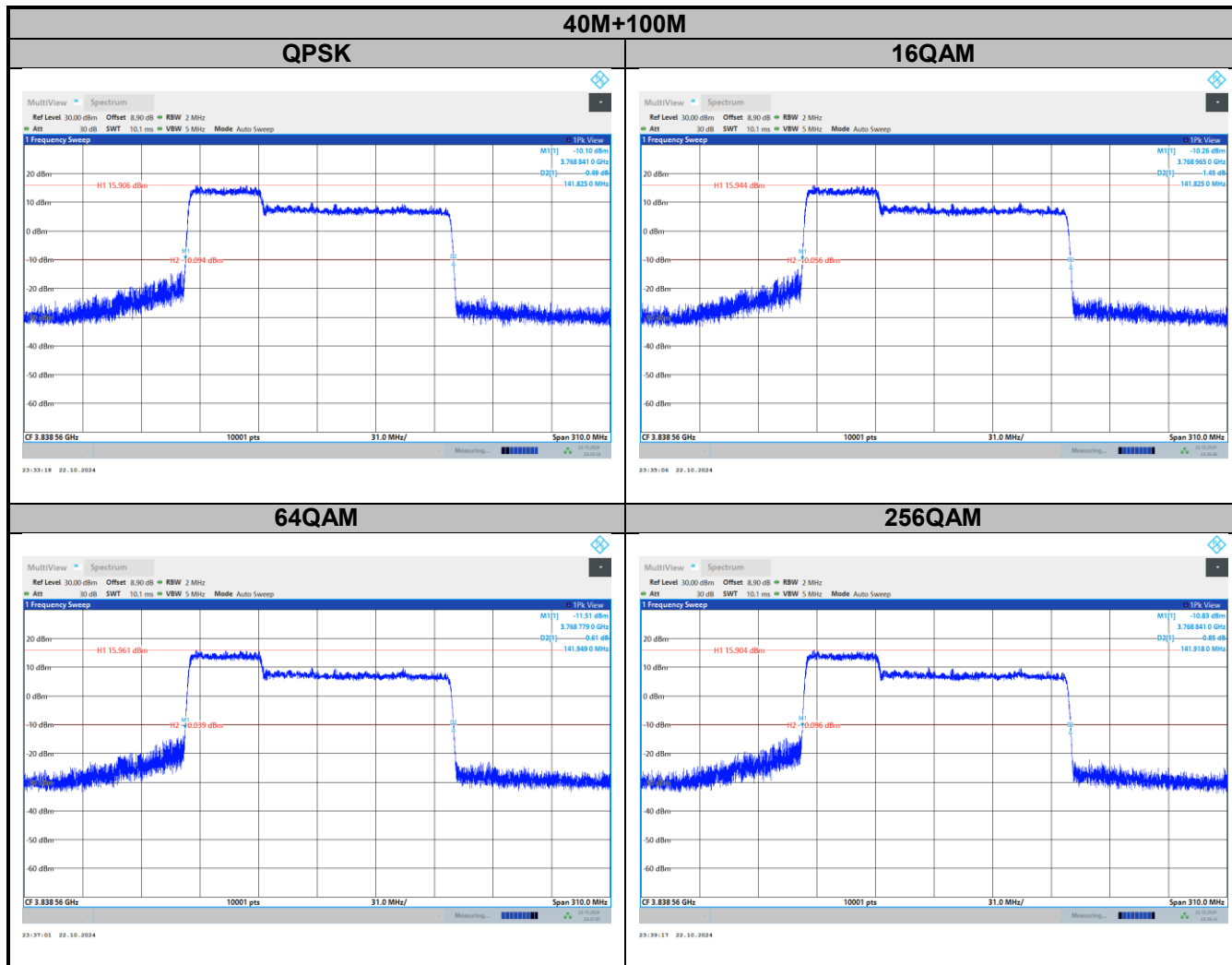


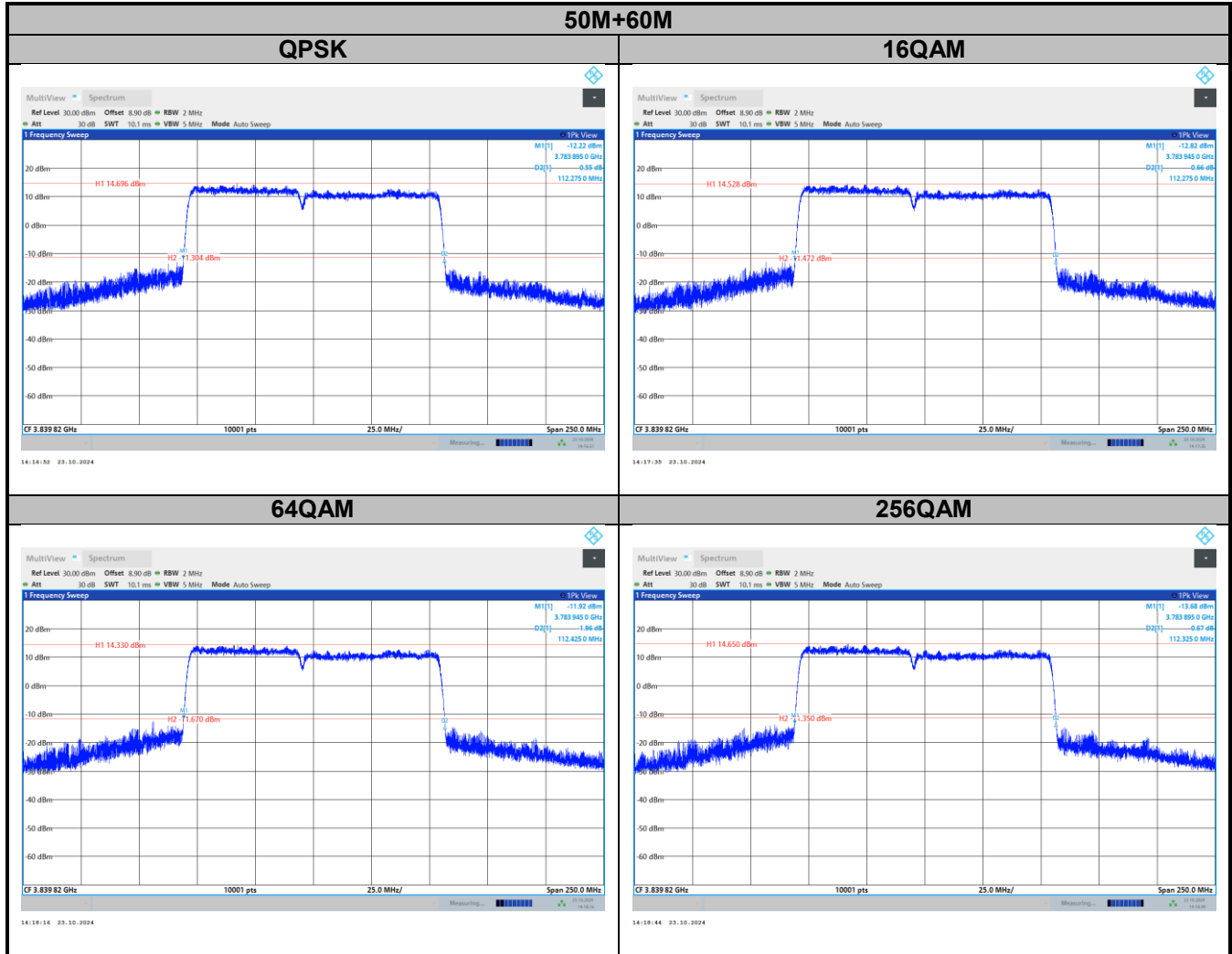








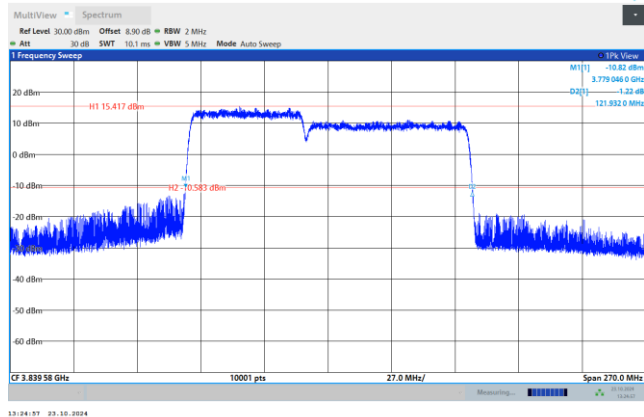




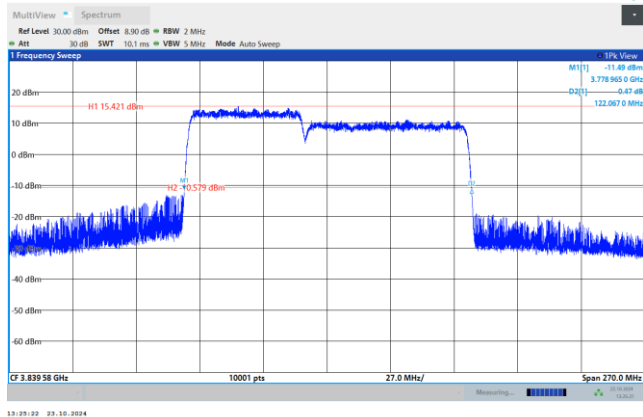


50M+70M

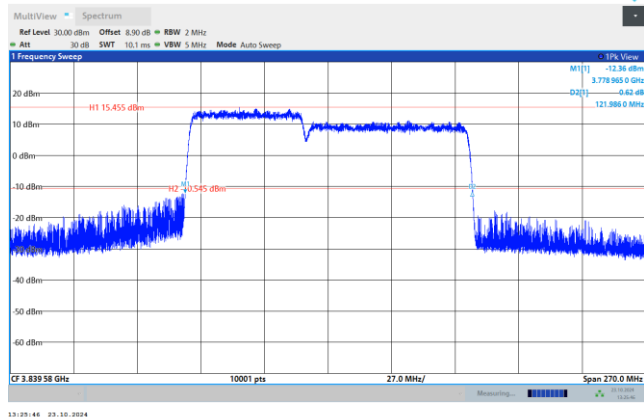
QPSK



16QAM



64QAM



256QAM

