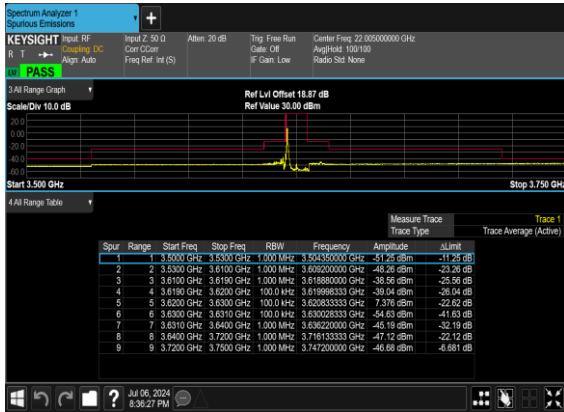
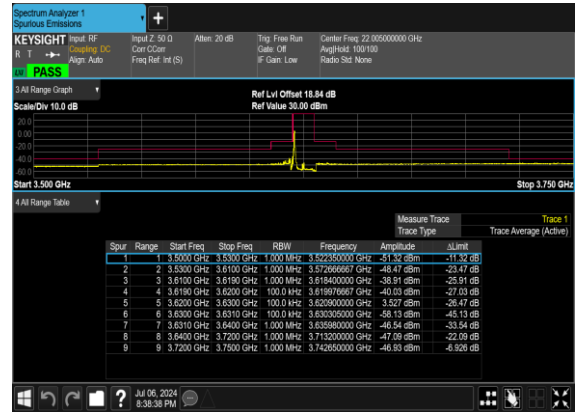




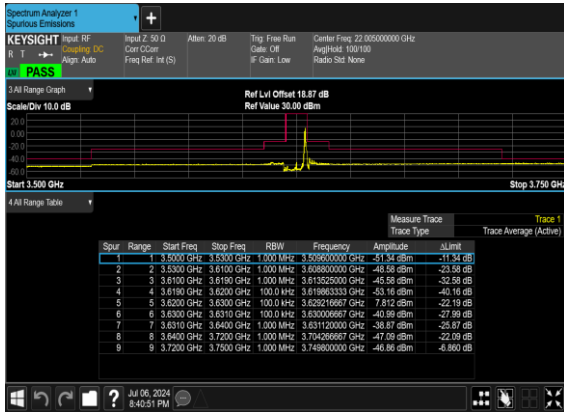
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



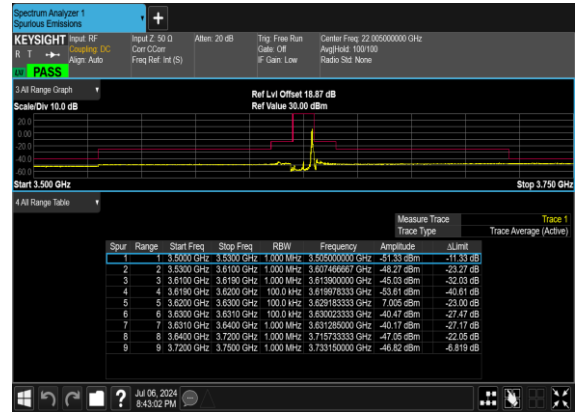
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



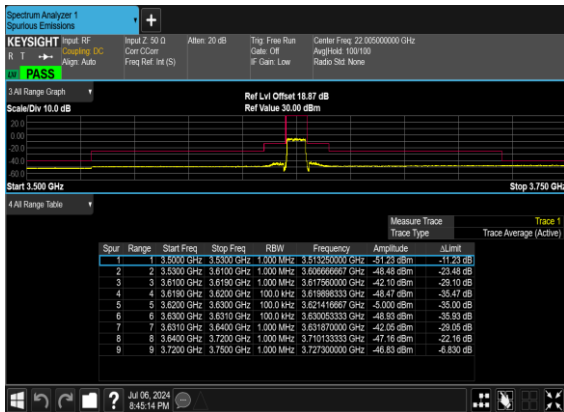
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



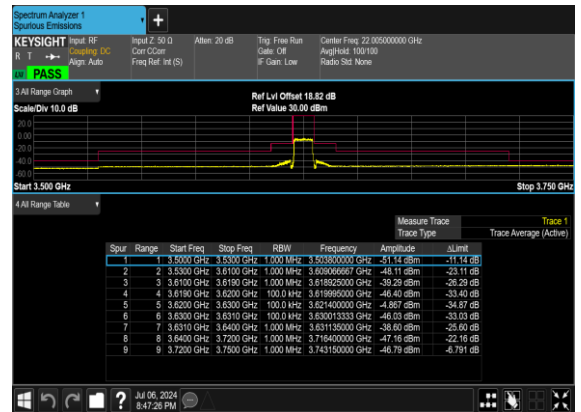
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(10M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

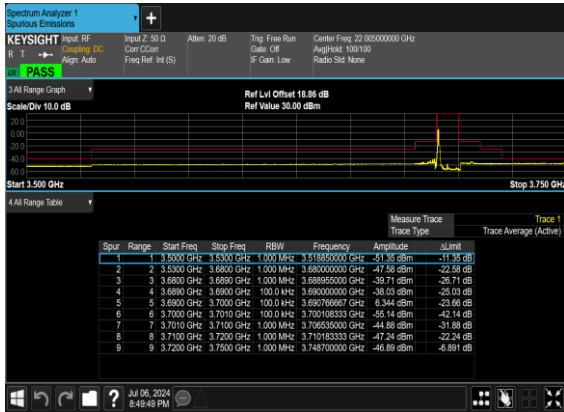


N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

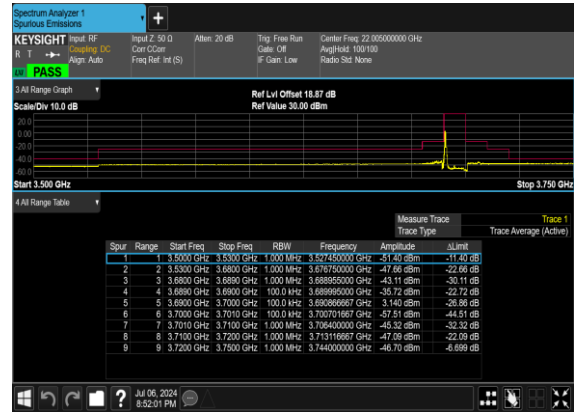




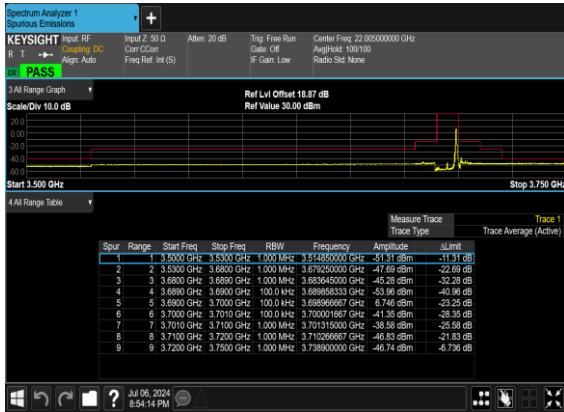
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



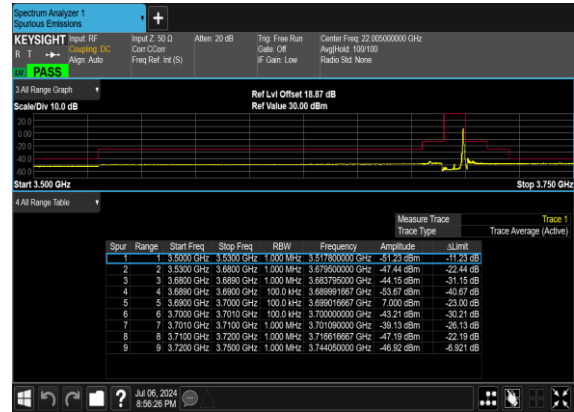
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



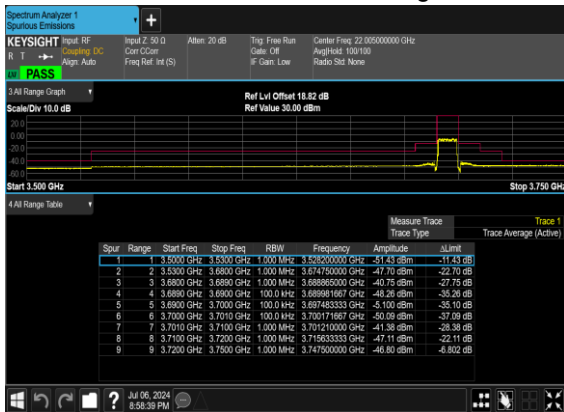
N48(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



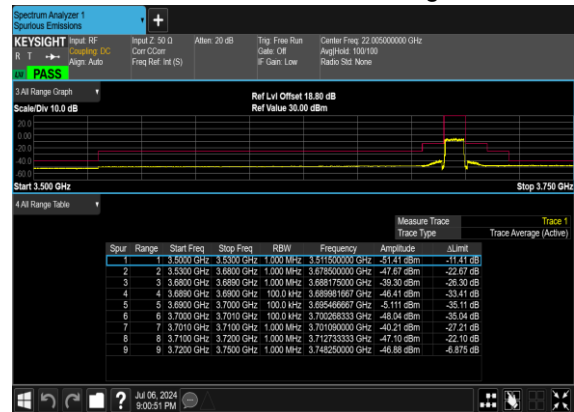
N48(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N48(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

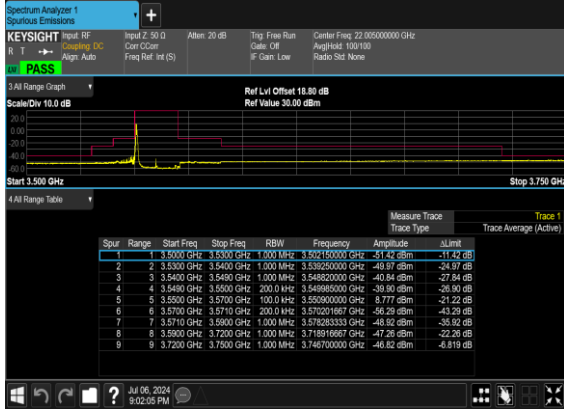


N48(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

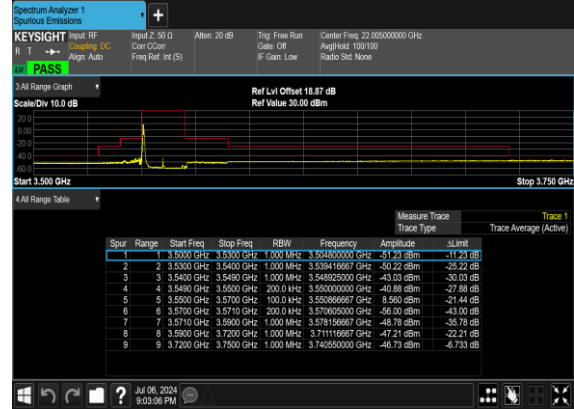




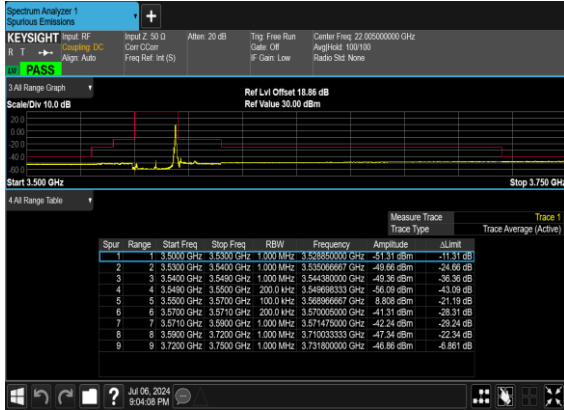
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



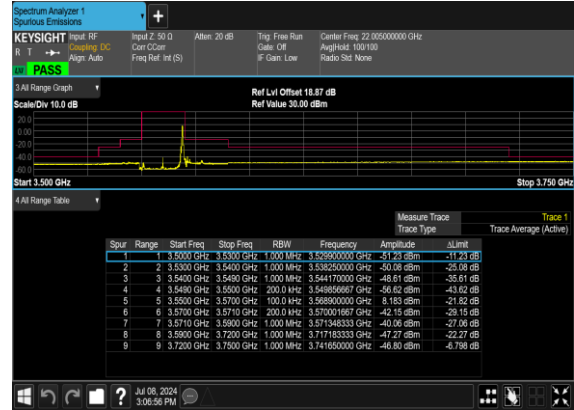
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



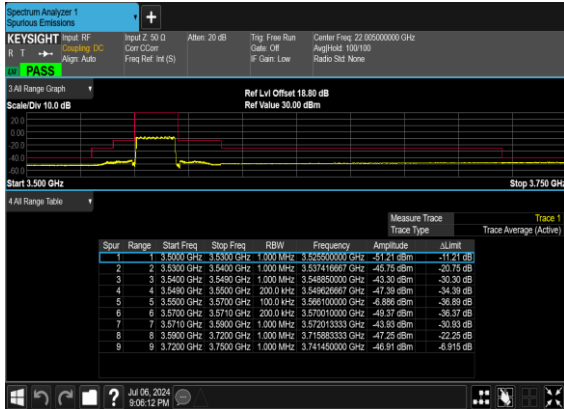
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



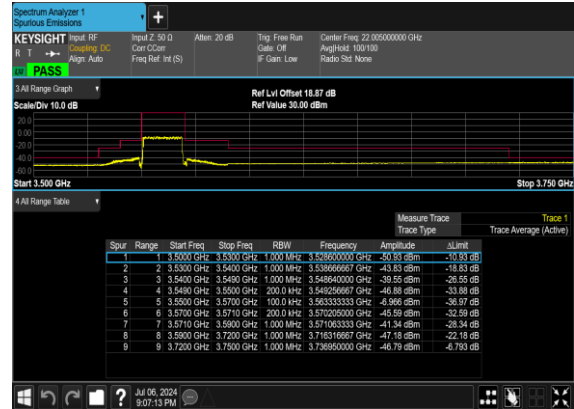
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

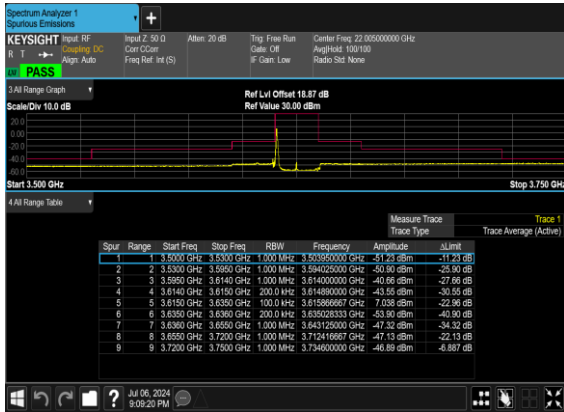


N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

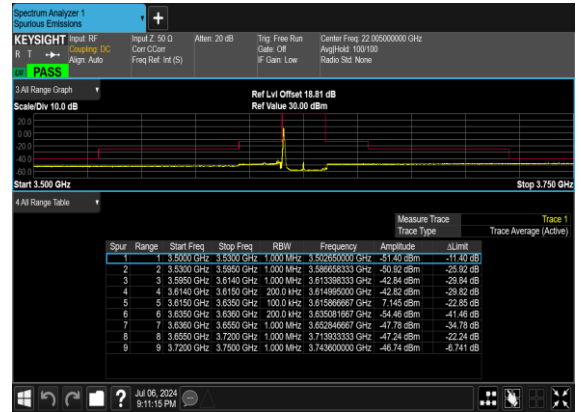




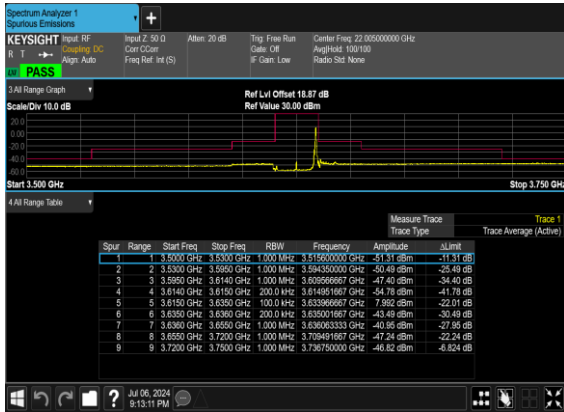
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



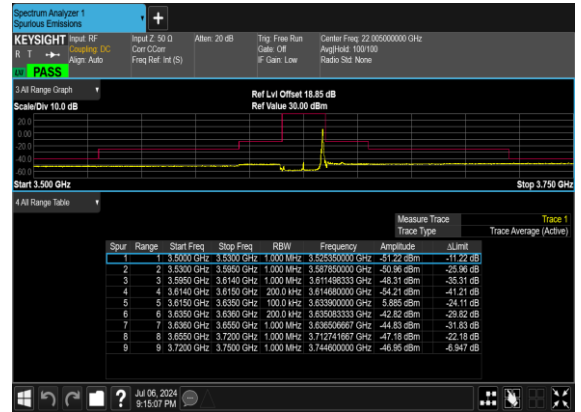
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



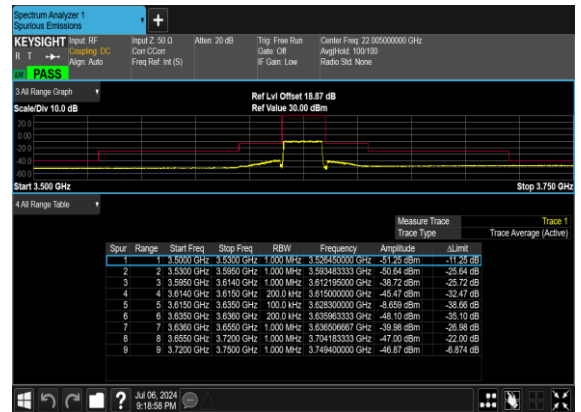
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

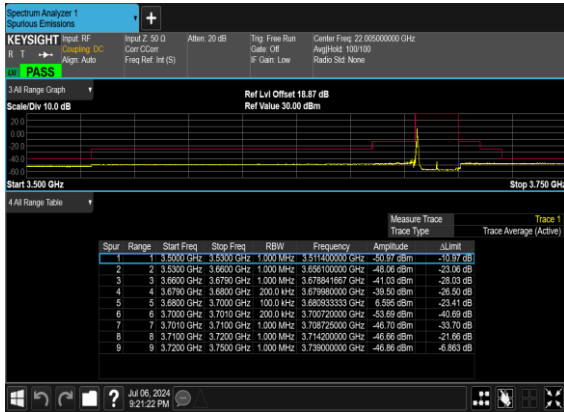


N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

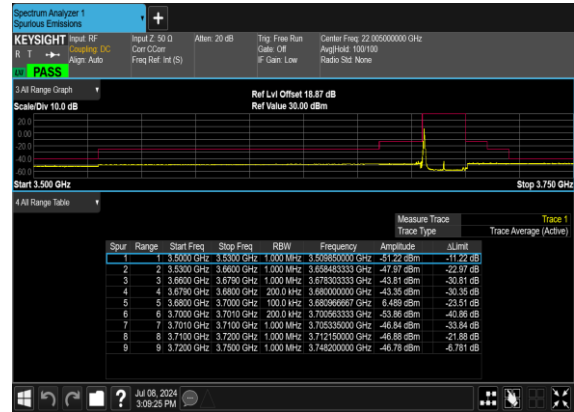




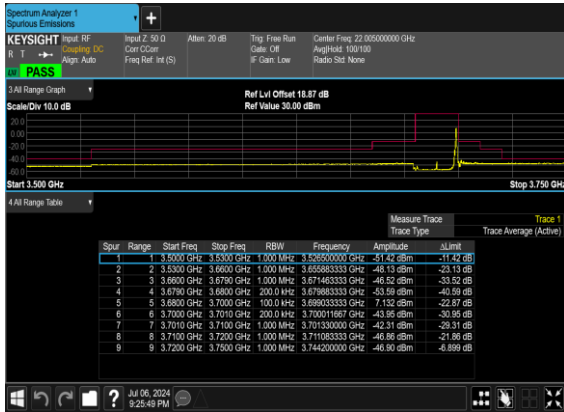
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



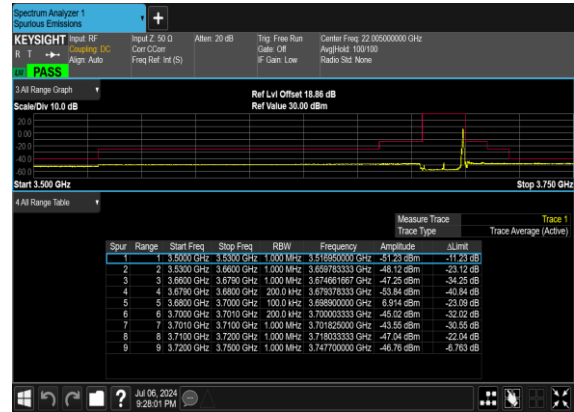
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



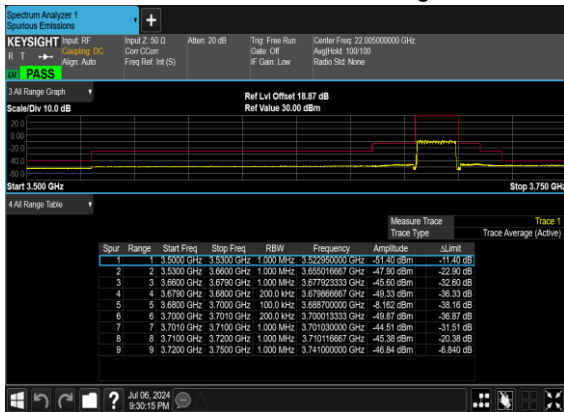
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



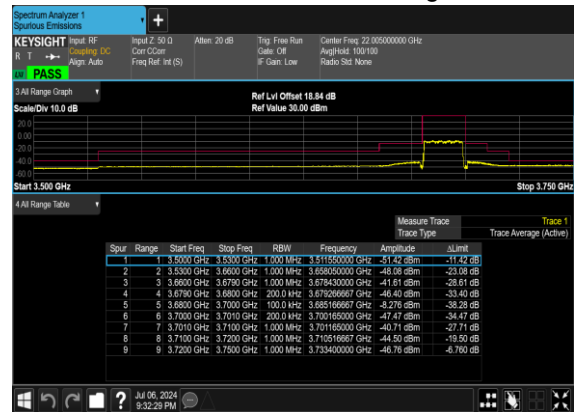
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

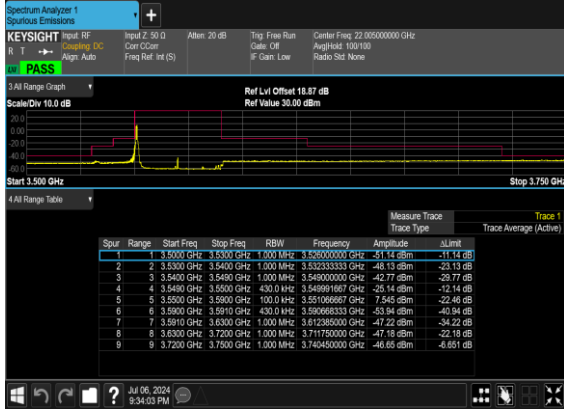


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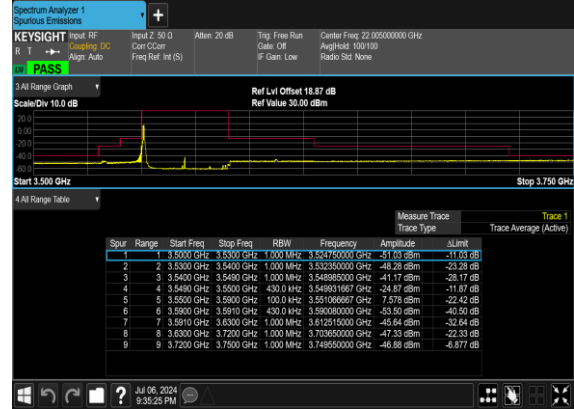




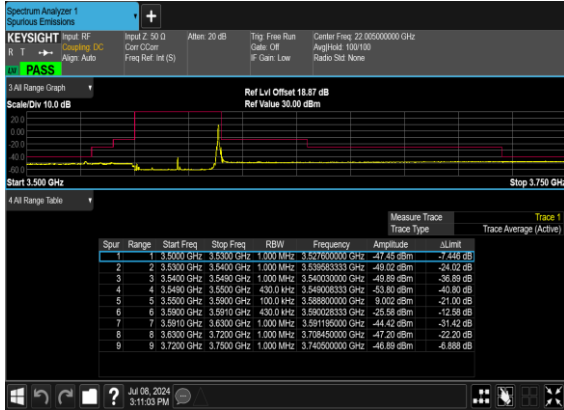
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



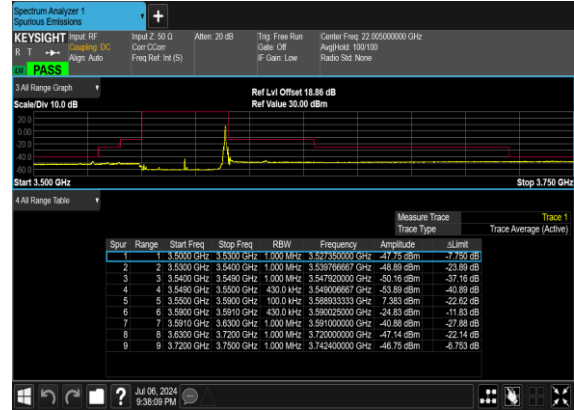
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



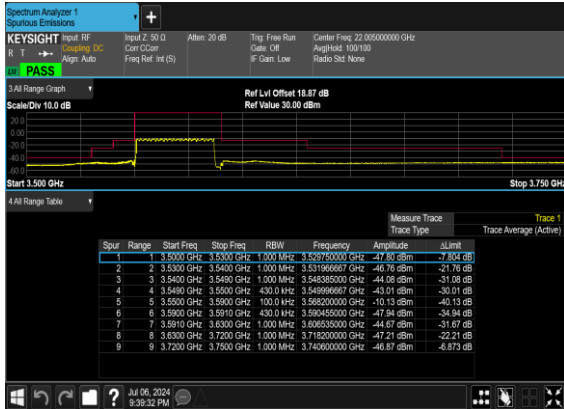
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



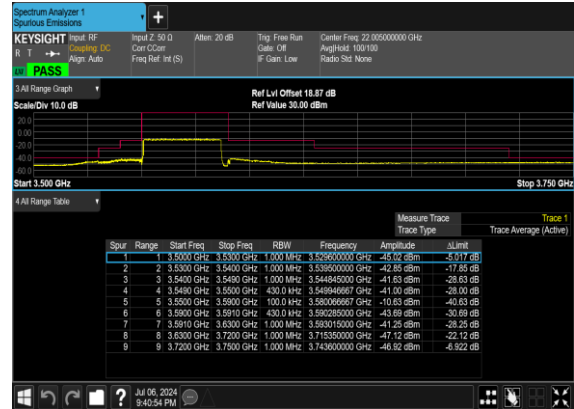
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





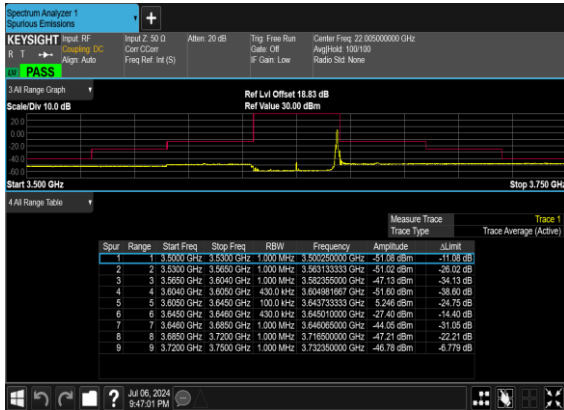
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



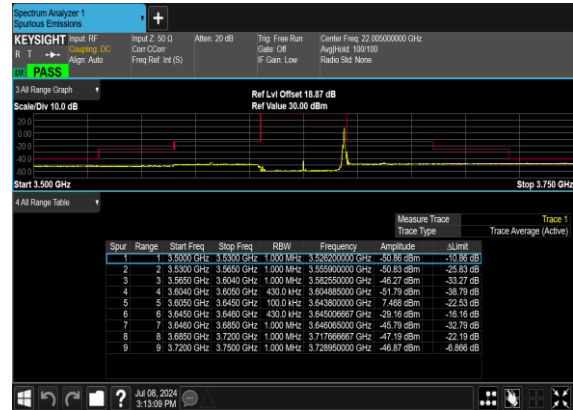
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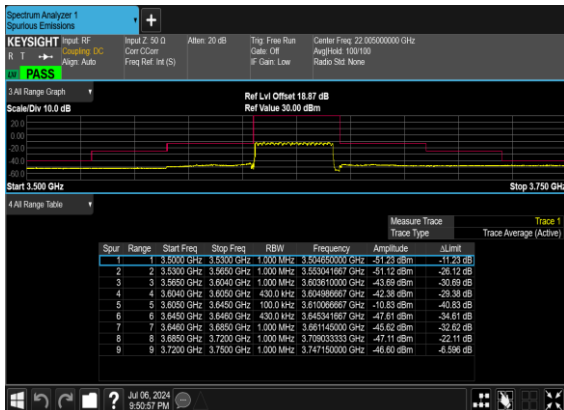
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



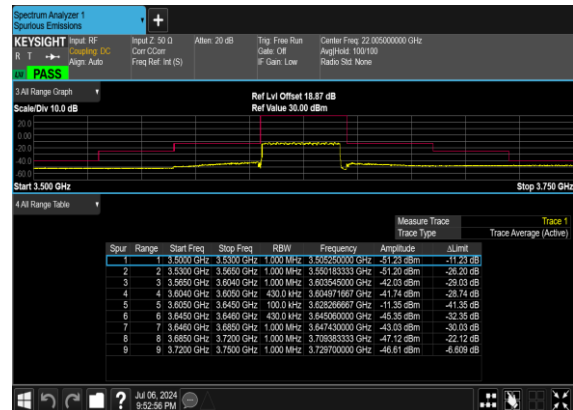
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH

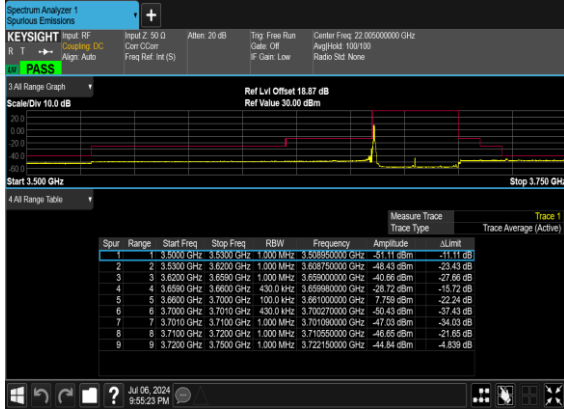


N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

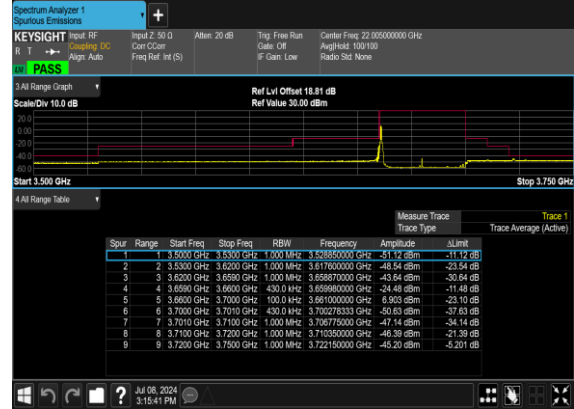




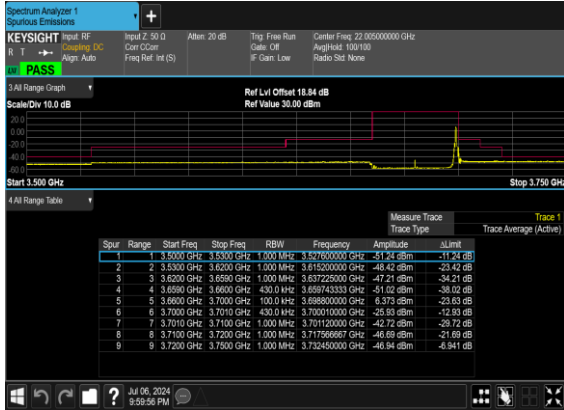
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



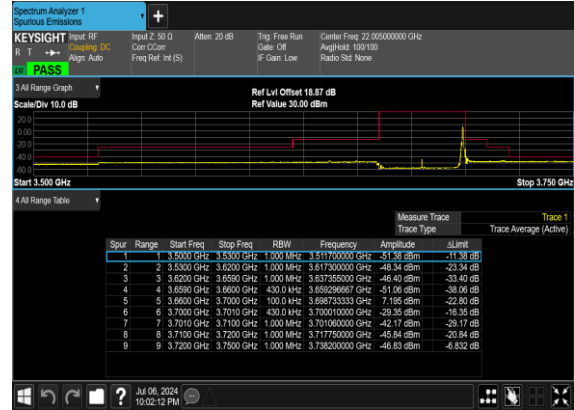
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



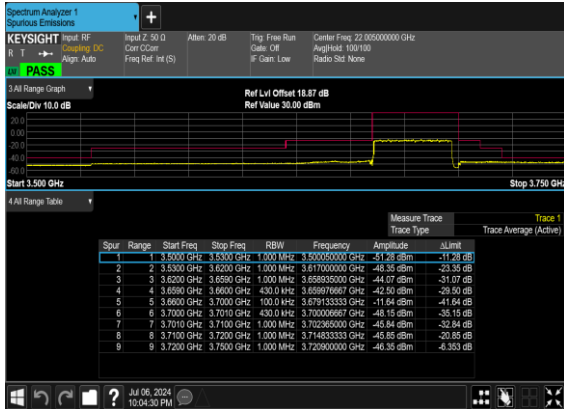
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



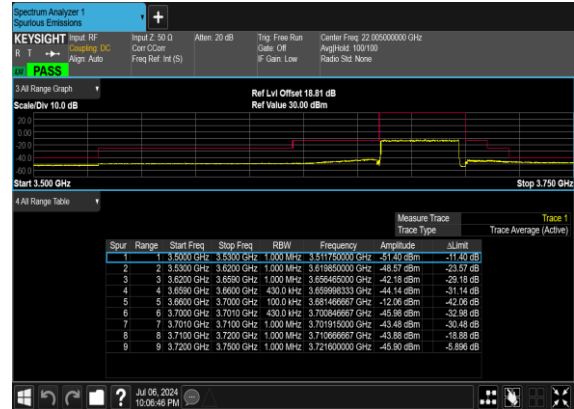
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





FCC N48B – SCS 30k

Transmitter Conducted Output Power and EIRP

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

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



Transmitter Conducted Output Power And EIRP, (GT - LC)=8.8dB

<PCC 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)
48B	30	20+20	637334	638666	DFT-s BPSK	25@26	25@0	13.25	-5.02	13.31	22.11	0.1627
48B	30	20+20	637334	638666	DFT-s BPSK	1@32	1@12	13.1	-5.02	13.17	21.97	0.1573
48B	30	20+20	637334	638666	DFT-s QPSK	25@26	25@0	13.59	-4.91	13.65	22.45	0.1758
48B	30	20+20	637334	638666	DFT-s QPSK	1@32	1@12	13.03	-5.2	13.09	21.89	0.1547
48B	30	20+20	637334	638666	DFT-s 16 QAM	25@26	25@0	13.01	-5.16	13.08	21.88	0.1540
48B	30	20+20	637334	638666	DFT-s 16 QAM	1@32	1@12	13.11	-4.97	13.18	21.98	0.1577
48B	30	20+20	637334	638666	DFT-s 64 QAM	25@26	25@0	13.01	-5.03	13.08	21.88	0.1541
48B	30	20+20	637334	638666	DFT-s 64 QAM	1@32	1@12	12.98	-5.03	13.05	21.85	0.1530
48B	30	20+20	637334	638666	DFT-s 256 QAM	25@26	25@0	13.07	-5.16	13.13	21.93	0.1561
48B	30	20+20	637334	638666	DFT-s 256 QAM	1@32	1@12	13.2	-5.02	13.26	22.06	0.1609
48B	30	20+20	637334	638666	CP-OFDM QPSK	26@25	24@0	12.94	-4.81	13.01	21.81	0.1518
48B	30	20+20	637334	638666	CP-OFDM QPSK	1@32	1@12	13.02	-4.85	13.09	21.89	0.1545
48B	30	20+20	641000	642332	DFT-s BPSK	25@26	25@0	13.17	-5.18	13.23	22.03	0.1597
48B	30	20+20	641000	642332	DFT-s BPSK	1@32	1@12	13.06	-4.91	13.13	21.93	0.1559
48B	30	20+20	641000	642332	DFT-s QPSK	25@26	25@0	13.03	-4.87	13.10	21.90	0.1549
48B	30	20+20	641000	642332	DFT-s QPSK	1@32	1@12	13.15	-5.1	13.21	22.01	0.1590
48B	30	20+20	641000	642332	DFT-s 16 QAM	25@26	25@0	13.29	-5.13	13.35	22.15	0.1641
48B	30	20+20	641000	642332	DFT-s 16 QAM	1@32	1@12	12.96	-4.83	13.03	21.83	0.1525
48B	30	20+20	641000	642332	DFT-s 64 QAM	25@26	25@0	13.01	-5.16	13.08	21.88	0.1540
48B	30	20+20	641000	642332	DFT-s 64 QAM	1@32	1@12	13.16	-5.02	13.23	22.03	0.1594
48B	30	20+20	641000	642332	DFT-s 256 QAM	25@26	25@0	13.15	-5.11	13.21	22.01	0.1590
48B	30	20+20	641000	642332	DFT-s 256 QAM	1@32	1@12	13.01	-5.13	13.08	21.88	0.1540
48B	30	20+20	641000	642332	CP-OFDM QPSK	26@25	24@0	13.08	-5.13	13.15	21.95	0.1565
48B	30	20+20	641000	642332	CP-OFDM QPSK	1@32	1@12	12.92	-5.12	12.99	21.79	0.1509
48B	30	20+20	644668	646000	DFT-s BPSK	25@26	25@0	13.21	-4.88	13.28	22.08	0.1613
48B	30	20+20	644668	646000	DFT-s BPSK	1@32	1@12	13.22	-5	13.28	22.08	0.1616
48B	30	20+20	644668	646000	DFT-s QPSK	25@26	25@0	13.12	-5.14	13.18	21.98	0.1579
48B	30	20+20	644668	646000	DFT-s QPSK	1@32	1@12	13.05	-5.2	13.11	21.91	0.1554
48B	30	20+20	644668	646000	DFT-s 16 QAM	25@26	25@0	13.02	-4.88	13.09	21.89	0.1545
48B	30	20+20	644668	646000	DFT-s 16 QAM	1@32	1@12	13.1	-5.06	13.17	21.97	0.1572
48B	30	20+20	644668	646000	DFT-s 64 QAM	25@26	25@0	13.18	-5.08	13.24	22.04	0.1601



48B	30	20+20	644668	646000	DFT-s 64 QAM	1@32	1@12	13.05	-5.2	13.11	21.91	0.1554
48B	30	20+20	644668	646000	DFT-s 256 QAM	25@26	25@0	13.04	-5.09	13.11	21.91	0.1551
48B	30	20+20	644668	646000	DFT-s 256 QAM	1@32	1@12	13.13	-5.03	13.20	22.00	0.1583
48B	30	20+20	644668	646000	CP-OFDM QPSK	26@25	24@0	13	-5.03	13.07	21.87	0.1537
48B	30	20+20	644668	646000	CP-OFDM QPSK	1@32	1@12	12.98	-4.88	13.05	21.85	0.1531
48B	30	20+15	637334	638478	DFT-s QPSK	27@24	16@0	13.43	-5.13	13.49	22.29	0.1694
48B	30	20+15	637334	638478	DFT-s 16 QAM	27@24	16@0	13.01	-4.92	13.08	21.88	0.1541
48B	30	20+15	641166	642310	DFT-s QPSK	27@24	16@0	13.32	-5.09	13.38	22.18	0.1653
48B	30	20+15	641166	642310	DFT-s 16 QAM	27@24	16@0	12.99	-4.87	13.06	21.86	0.1535
48B	30	20+15	645022	646166	DFT-s QPSK	27@24	16@0	13.3	-4.96	13.36	22.16	0.1646
48B	30	20+15	645022	646166	DFT-s 16 QAM	27@24	16@0	12.95	-5.09	13.02	21.82	0.1520
48B	30	15+20	637168	638312	DFT-s QPSK	16@22	27@0	13.35	-4.94	13.41	22.21	0.1665
48B	30	15+20	637168	638312	DFT-s 16 QAM	16@22	27@0	12.99	-5.08	13.06	21.86	0.1534
48B	30	15+20	641000	642144	DFT-s QPSK	16@22	27@0	13.43	-5.05	13.49	22.29	0.1695
48B	30	15+20	641000	642144	DFT-s 16 QAM	16@22	27@0	13.06	-4.91	13.13	21.93	0.1559
48B	30	15+20	644856	646000	DFT-s QPSK	16@22	27@0	13.32	-5.19	13.38	22.18	0.1652
48B	30	15+20	644856	646000	DFT-s 16 QAM	16@22	27@0	13.06	-5.18	13.12	21.92	0.1558
48B	30	20+10	637334	638310	DFT-s QPSK	32@19	5@0	13.27	-4.84	13.34	22.14	0.1636
48B	30	20+10	637334	638310	DFT-s 16 QAM	32@19	5@0	13	-4.81	13.07	21.87	0.1539
48B	30	20+10	641332	642308	DFT-s QPSK	32@19	5@0	13.39	-4.91	13.45	22.25	0.1680
48B	30	20+10	641332	642308	DFT-s 16 QAM	32@19	5@0	12.86	-5.08	12.93	21.73	0.1489
48B	30	20+10	645356	646332	DFT-s QPSK	32@19	5@0	13.38	-4.96	13.44	22.24	0.1676
48B	30	20+10	645356	646332	DFT-s 16 QAM	32@19	5@0	13.06	-4.97	13.13	21.93	0.1559
48B	30	10+20	637000	637976	DFT-s QPSK	5@19	32@0	13.14	-5.1	13.20	22.00	0.1587
48B	30	10+20	637000	637976	DFT-s 16 QAM	5@19	32@0	12.72	-5.1	12.79	21.59	0.1442
48B	30	10+20	641000	641976	DFT-s QPSK	5@19	32@0	13.18	-5.01	13.25	22.05	0.1602
48B	30	10+20	641000	641976	DFT-s 16 QAM	5@19	32@0	12.66	-5.18	12.73	21.53	0.1423
48B	30	10+20	645024	646000	DFT-s QPSK	5@19	32@0	13.07	-4.91	13.14	21.94	0.1563
48B	30	10+20	645024	646000	DFT-s 16 QAM	5@19	32@0	12.72	-4.98	12.79	21.59	0.1443
48B	30	15+15	637168	638168	DFT-s QPSK	20@18	16@0	13.5	-4.92	13.56	22.36	0.1723
48B	30	15+15	637168	638168	DFT-s 16 QAM	20@18	16@0	12.97	-4.83	13.04	21.84	0.1528
48B	30	15+15	641166	642166	DFT-s QPSK	20@18	16@0	13.48	-5.15	13.54	22.34	0.1714
48B	30	15+15	641166	642166	DFT-s 16 QAM	20@18	16@0	12.92	-5.01	12.99	21.79	0.1510
48B	30	15+15	645166	646166	DFT-s QPSK	20@18	16@0	13.33	-4.95	13.39	22.19	0.1657



48B	30	15+15	645166	646166	DFT-s 16 QAM	20@18	16@0	13.12	-4.94	13.19	21.99	0.1580
48B	30	15+10	637168	638000	DFT-s QPSK	20@18	9@0	13.41	-5.08	13.47	22.27	0.1687
48B	30	15+10	637168	638000	DFT-s 16 QAM	20@18	9@0	13.01	-5.13	13.08	21.88	0.1540
48B	30	15+10	641334	642166	DFT-s QPSK	20@18	9@0	13.35	-4.92	13.41	22.21	0.1665
48B	30	15+10	641334	642166	DFT-s 16 QAM	20@18	9@0	12.95	-5.1	13.02	21.82	0.1520
48B	30	15+10	645500	646332	DFT-s QPSK	20@18	9@0	13.35	-5.14	13.41	22.21	0.1664
48B	30	15+10	645500	646332	DFT-s 16 QAM	20@18	9@0	13.09	-5	13.16	21.96	0.1569
48B	30	10+15	637000	637832	DFT-s QPSK	9@15	20@0	13.19	-4.9	13.26	22.06	0.1606
48B	30	10+15	637000	637832	DFT-s 16 QAM	9@15	20@0	12.85	-5.06	12.92	21.72	0.1486
48B	30	10+15	641166	641998	DFT-s QPSK	9@15	20@0	13.31	-5.17	13.37	22.17	0.1649
48B	30	10+15	641166	641998	DFT-s 16 QAM	9@15	20@0	12.88	-4.83	12.95	21.75	0.1497
48B	30	10+15	645334	646166	DFT-s QPSK	9@15	20@0	13.34	-4.89	13.40	22.20	0.1661
48B	30	10+15	645334	646166	DFT-s 16 QAM	9@15	20@0	12.88	-5.14	12.95	21.75	0.1496
48B	30	10+10	637000	637664	DFT-s QPSK	12@12	12@0	13.37	-4.94	13.43	22.23	0.1672
48B	30	10+10	637000	637664	DFT-s 16 QAM	12@12	12@0	12.96	-4.93	13.03	21.83	0.1524
48B	30	10+10	641332	641996	DFT-s QPSK	12@12	12@0	13.48	-5.13	13.54	22.34	0.1714
48B	30	10+10	641332	641996	DFT-s 16 QAM	12@12	12@0	12.99	-4.82	13.06	21.86	0.1535
48B	30	10+10	645668	646332	DFT-s QPSK	12@12	12@0	13.52	-5.16	13.58	22.38	0.1729
48B	30	10+10	645668	646332	DFT-s 16 QAM	12@12	12@0	12.94	-5	13.01	21.81	0.1517



<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)
48B	30	20+20	637334	638666	DFT-s BPSK	25@26	25@0	-4.81	13.22	13.29	22.09	0.1617
48B	30	20+20	637334	638666	DFT-s BPSK	1@32	1@12	-4.32	13.17	13.25	22.05	0.1602
48B	30	20+20	637334	638666	DFT-s QPSK	25@26	25@0	-4.85	13.03	13.10	21.90	0.1549
48B	30	20+20	637334	638666	DFT-s QPSK	1@32	1@12	-4.37	13.23	13.30	22.10	0.1624
48B	30	20+20	637334	638666	DFT-s 16 QAM	25@26	25@0	-4.88	13.14	13.21	22.01	0.1588
48B	30	20+20	637334	638666	DFT-s 16 QAM	1@32	1@12	-4.41	12.9	12.98	21.78	0.1507
48B	30	20+20	637334	638666	DFT-s 64 QAM	25@26	25@0	-4.91	12.93	13.00	21.80	0.1514
48B	30	20+20	637334	638666	DFT-s 64 QAM	1@32	1@12	-4.28	13.15	13.23	22.03	0.1595
48B	30	20+20	637334	638666	DFT-s 256 QAM	25@26	25@0	-4.72	13.01	13.08	21.88	0.1543
48B	30	20+20	637334	638666	DFT-s 256 QAM	1@32	1@12	-4.25	13	13.08	21.88	0.1542
48B	30	20+20	637334	638666	CP-OFDM QPSK	26@25	24@0	-4.68	12.96	13.03	21.83	0.1526
48B	30	20+20	637334	638666	CP-OFDM QPSK	1@32	1@12	-4.17	13.06	13.14	21.94	0.1564
48B	30	20+20	641000	642332	DFT-s BPSK	25@26	25@0	-4.63	13.57	13.64	22.44	0.1752
48B	30	20+20	641000	642332	DFT-s BPSK	1@32	1@12	-5.14	13.04	13.11	21.91	0.1551
48B	30	20+20	641000	642332	DFT-s QPSK	25@26	25@0	-4.63	13.22	13.29	22.09	0.1618
48B	30	20+20	641000	642332	DFT-s QPSK	1@32	1@12	-5.13	13.08	13.15	21.95	0.1565
48B	30	20+20	641000	642332	DFT-s 16 QAM	25@26	25@0	-4.64	13.07	13.14	21.94	0.1564
48B	30	20+20	641000	642332	DFT-s 16 QAM	1@32	1@12	-5.11	13.01	13.08	21.88	0.1540
48B	30	20+20	641000	642332	DFT-s 64 QAM	25@26	25@0	-4.71	13.12	13.19	21.99	0.1582
48B	30	20+20	641000	642332	DFT-s 64 QAM	1@32	1@12	-3.89	13.18	13.26	22.06	0.1609
48B	30	20+20	641000	642332	DFT-s 256 QAM	25@26	25@0	-4.75	13.2	13.27	22.07	0.1610
48B	30	20+20	641000	642332	DFT-s 256 QAM	1@32	1@12	-4.21	13.19	13.27	22.07	0.1610
48B	30	20+20	641000	642332	CP-OFDM QPSK	26@25	24@0	-4.68	13.03	13.10	21.90	0.1550
48B	30	20+20	641000	642332	CP-OFDM QPSK	1@32	1@12	-4.22	13.05	13.13	21.93	0.1560
48B	30	20+20	644668	646000	DFT-s BPSK	25@26	25@0	-4.78	13.08	13.15	21.95	0.1567
48B	30	20+20	644668	646000	DFT-s BPSK	1@32	1@12	-4.27	13.04	13.12	21.92	0.1556
48B	30	20+20	644668	646000	DFT-s QPSK	25@26	25@0	-4.85	13	13.07	21.87	0.1538
48B	30	20+20	644668	646000	DFT-s QPSK	1@32	1@12	-4.25	13.21	13.29	22.09	0.1617
48B	30	20+20	644668	646000	DFT-s 16 QAM	25@26	25@0	-4.85	13.2	13.27	22.07	0.1610
48B	30	20+20	644668	646000	DFT-s 16 QAM	1@32	1@12	-4.18	13.08	13.16	21.96	0.1571
48B	30	20+20	644668	646000	DFT-s 64 QAM	25@26	25@0	-4.89	12.92	12.99	21.79	0.1511
48B	30	20+20	644668	646000	DFT-s	1@32	1@12	-4.39	12.9	12.98	21.78	0.1507



64 QAM												
48B	30	20+20	644668	646000	DFT-s 256 QAM	25@26	25@0	-4.88	13.15	13.22	22.02	0.1591
48B	30	20+20	644668	646000	DFT-s 256 QAM	1@32	1@12	-4.25	12.98	13.06	21.86	0.1535
48B	30	20+20	644668	646000	CP-OFDM QPSK	26@25	24@0	-4.7	13.07	13.14	21.94	0.1564
48B	30	20+20	644668	646000	CP-OFDM QPSK	1@32	1@12	-4.14	13.14	13.22	22.02	0.1592
48B	30	20+15	637334	638478	DFT-s QPSK	27@24	16@0	-4.4	13.27	13.34	22.14	0.1638
48B	30	20+15	637334	638478	DFT-s 16 QAM	27@24	16@0	-4.44	12.75	12.83	21.63	0.1456
48B	30	20+15	641166	642310	DFT-s QPSK	27@24	16@0	-4.27	13.33	13.40	22.20	0.1661
48B	30	20+15	641166	642310	DFT-s 16 QAM	27@24	16@0	-4.3	12.61	12.70	21.50	0.1412
48B	30	20+15	645022	646166	DFT-s QPSK	27@24	16@0	-4.36	13.42	13.49	22.29	0.1695
48B	30	20+15	645022	646166	DFT-s 16 QAM	27@24	16@0	-4.24	12.69	12.78	21.58	0.1438
48B	30	15+20	637168	638312	DFT-s QPSK	16@22	27@0	-4.44	13.26	13.33	22.13	0.1634
48B	30	15+20	637168	638312	DFT-s 16 QAM	16@22	27@0	-4.35	12.67	12.76	21.56	0.1431
48B	30	15+20	641000	642144	DFT-s QPSK	16@22	27@0	-4.57	13.27	13.34	22.14	0.1637
48B	30	15+20	641000	642144	DFT-s 16 QAM	16@22	27@0	-4.26	12.88	12.96	21.76	0.1501
48B	30	15+20	644856	646000	DFT-s QPSK	16@22	27@0	-4.55	13.4	13.47	22.27	0.1686
48B	30	15+20	644856	646000	DFT-s 16 QAM	16@22	27@0	-4.36	12.94	13.02	21.82	0.1521
48B	30	20+10	637334	638310	DFT-s QPSK	32@19	5@0	-4.27	13.11	13.19	21.99	0.1581
48B	30	20+10	637334	638310	DFT-s 16 QAM	32@19	5@0	-4.28	12.59	12.68	21.48	0.1406
48B	30	20+10	641332	642308	DFT-s QPSK	32@19	5@0	-4.32	13.11	13.19	21.99	0.1580
48B	30	20+10	641332	642308	DFT-s 16 QAM	32@19	5@0	-4.31	12.6	12.69	21.49	0.1409
48B	30	20+10	645356	646332	DFT-s QPSK	32@19	5@0	-4.38	13.15	13.23	22.03	0.1594
48B	30	20+10	645356	646332	DFT-s 16 QAM	32@19	5@0	-4.32	12.62	12.71	21.51	0.1415
48B	30	10+20	637000	637976	DFT-s QPSK	5@19	32@0	-4.46	13.1	13.18	21.98	0.1576
48B	30	10+20	637000	637976	DFT-s 16 QAM	5@19	32@0	-4.19	12.67	12.76	21.56	0.1432
48B	30	10+20	641000	641976	DFT-s QPSK	5@19	32@0	-4.38	13.23	13.30	22.10	0.1624
48B	30	10+20	641000	641976	DFT-s 16 QAM	5@19	32@0	-4.25	12.69	12.78	21.58	0.1438
48B	30	10+20	645024	646000	DFT-s QPSK	5@19	32@0	-4.34	13.29	13.36	22.16	0.1646
48B	30	10+20	645024	646000	DFT-s 16 QAM	5@19	32@0	-4.34	12.62	12.71	21.51	0.1415
48B	30	15+15	637168	638168	DFT-s QPSK	20@18	16@0	-4.48	13.33	13.40	22.20	0.1660
48B	30	15+15	637168	638168	DFT-s 16 QAM	20@18	16@0	-4.39	12.82	12.90	21.70	0.1480
48B	30	15+15	641166	642166	DFT-s QPSK	20@18	16@0	-4.58	13.4	13.47	22.27	0.1686
48B	30	15+15	641166	642166	DFT-s 16 QAM	20@18	16@0	-4.26	12.78	12.87	21.67	0.1467
48B	30	15+15	645166	646166	DFT-s QPSK	20@18	16@0	-4.54	13.25	13.32	22.12	0.1630



48B	30	15+15	645166	646166	DFT-s 16 QAM	20@18	16@0	-4.31	12.75	12.83	21.63	0.1457
48B	30	15+10	637168	638000	DFT-s QPSK	20@18	9@0	-4.48	13.26	13.33	22.13	0.1634
48B	30	15+10	637168	638000	DFT-s 16 QAM	20@18	9@0	-4.31	12.91	12.99	21.79	0.1511
48B	30	15+10	641334	642166	DFT-s QPSK	20@18	9@0	-4.47	13.42	13.49	22.29	0.1694
48B	30	15+10	641334	642166	DFT-s 16 QAM	20@18	9@0	-4.42	12.79	12.87	21.67	0.1470
48B	30	15+10	645500	646332	DFT-s QPSK	20@18	9@0	-4.35	13.44	13.51	22.31	0.1703
48B	30	15+10	645500	646332	DFT-s 16 QAM	20@18	9@0	-4.39	12.8	12.88	21.68	0.1473
48B	30	10+15	637000	637832	DFT-s QPSK	9@15	20@0	-4.29	13.22	13.30	22.10	0.1620
48B	30	10+15	637000	637832	DFT-s 16 QAM	9@15	20@0	-4.32	12.76	12.84	21.64	0.1460
48B	30	10+15	641166	641998	DFT-s QPSK	9@15	20@0	-4.44	13.11	13.19	21.99	0.1580
48B	30	10+15	641166	641998	DFT-s 16 QAM	9@15	20@0	-4.22	12.86	12.94	21.74	0.1494
48B	30	10+15	645334	646166	DFT-s QPSK	9@15	20@0	-4.37	13.15	13.23	22.03	0.1594
48B	30	10+15	645334	646166	DFT-s 16 QAM	9@15	20@0	-4.18	12.61	12.70	21.50	0.1413
48B	30	10+10	637000	637664	DFT-s QPSK	12@12	12@0	-4.31	13.44	13.51	22.31	0.1703
48B	30	10+10	637000	637664	DFT-s 16 QAM	12@12	12@0	-4.27	12.75	12.84	21.64	0.1457
48B	30	10+10	641332	641996	DFT-s QPSK	12@12	12@0	-4.34	13.25	13.32	22.12	0.1631
48B	30	10+10	641332	641996	DFT-s 16 QAM	12@12	12@0	-4.31	12.74	12.82	21.62	0.1454
48B	30	10+10	645668	646332	DFT-s QPSK	12@12	12@0	-4.32	13.45	13.52	22.32	0.1707
48B	30	10+10	645668	646332	DFT-s 16 QAM	12@12	12@0	-4.27	12.68	12.77	21.57	0.1434



<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)
48B	30	20+20	637334	638666	DFT-s BPSK	25@26	25@0	10.59	10.69	13.65	22.45	0.1758
48B	30	20+20	637334	638666	DFT-s BPSK	1@32	1@12	10.54	10.62	13.59	22.39	0.1734
48B	30	20+20	637334	638666	DFT-s QPSK	25@26	25@0	10.6	10.63	13.63	22.43	0.1748
48B	30	20+20	637334	638666	DFT-s QPSK	1@32	1@12	11.07	10.67	13.88	22.68	0.1856
48B	30	20+20	637334	638666	DFT-s 16 QAM	25@26	25@0	10.28	10.36	13.33	22.13	0.1633
48B	30	20+20	637334	638666	DFT-s 16 QAM	1@32	1@12	10.17	10.31	13.25	22.05	0.1604
48B	30	20+20	637334	638666	DFT-s 64 QAM	25@26	25@0	10.17	10.31	13.25	22.05	0.1604
48B	30	20+20	637334	638666	DFT-s 64 QAM	1@32	1@12	10.12	10.23	13.19	21.99	0.1580
48B	30	20+20	637334	638666	DFT-s 256 QAM	25@26	25@0	10.15	10.35	13.26	22.06	0.1607
48B	30	20+20	637334	638666	DFT-s 256 QAM	1@32	1@12	10.35	10.24	13.31	22.11	0.1624
48B	30	20+20	637334	638666	CP-OFDM QPSK	26@25	24@0	10.4	10.37	13.40	22.20	0.1658
48B	30	20+20	637334	638666	CP-OFDM QPSK	1@32	1@12	10.23	10.33	13.29	22.09	0.1618
48B	30	20+20	641000	642332	DFT-s BPSK	25@26	25@0	10.65	10.68	13.68	22.48	0.1768
48B	30	20+20	641000	642332	DFT-s BPSK	1@32	1@12	10.64	10.63	13.65	22.45	0.1756
48B	30	20+20	641000	642332	DFT-s QPSK	25@26	25@0	10.56	10.58	13.58	22.38	0.1730
48B	30	20+20	641000	642332	DFT-s QPSK	1@32	1@12	10.62	10.66	13.65	22.45	0.1758
48B	30	20+20	641000	642332	DFT-s 16 QAM	25@26	25@0	10.21	10.13	13.18	21.98	0.1578
48B	30	20+20	641000	642332	DFT-s 16 QAM	1@32	1@12	10.31	10.14	13.24	22.04	0.1598
48B	30	20+20	641000	642332	DFT-s 64 QAM	25@26	25@0	10.35	10.28	13.33	22.13	0.1631
48B	30	20+20	641000	642332	DFT-s 64 QAM	1@32	1@12	10.26	10.12	13.20	22.00	0.1585
48B	30	20+20	641000	642332	DFT-s 256 QAM	25@26	25@0	10.1	10.14	13.13	21.93	0.1560
48B	30	20+20	641000	642332	DFT-s 256 QAM	1@32	1@12	10.2	10.16	13.19	21.99	0.1581
48B	30	20+20	641000	642332	CP-OFDM QPSK	26@25	24@0	10.4	10.1	13.26	22.06	0.1608
48B	30	20+20	641000	642332	CP-OFDM QPSK	1@32	1@12	10.11	10.12	13.13	21.93	0.1558
48B	30	20+20	644668	646000	DFT-s BPSK	25@26	25@0	10.52	10.67	13.61	22.41	0.1740
48B	30	20+20	644668	646000	DFT-s BPSK	1@32	1@12	10.6	10.54	13.58	22.38	0.1730
48B	30	20+20	644668	646000	DFT-s QPSK	25@26	25@0	10.6	10.64	13.63	22.43	0.1750
48B	30	20+20	644668	646000	DFT-s QPSK	1@32	1@12	10.58	10.62	13.61	22.41	0.1742
48B	30	20+20	644668	646000	DFT-s 16 QAM	25@26	25@0	10.37	10.29	13.34	22.14	0.1637
48B	30	20+20	644668	646000	DFT-s 16 QAM	1@32	1@12	10.23	10.35	13.30	22.10	0.1622
48B	30	20+20	644668	646000	DFT-s 64 QAM	25@26	25@0	10.23	10.3	13.28	22.08	0.1613
48B	30	20+20	644668	646000	DFT-s 64 QAM	1@32	1@12	10.35	10.3	13.34	22.14	0.1635
48B	30	20+20	644668	646000	DFT-s 256 QAM	25@26	25@0	10.35	10.21	13.29	22.09	0.1618
48B	30	20+20	644668	646000	DFT-s 256 QAM	1@32	1@12	10.1	10.1	13.11	21.91	0.1552



48B	30	20+20	644668	646000	CP-OFDM QPSK	26@25	24@0	10.2	10.26	13.24	22.04	0.1600
48B	30	20+20	644668	646000	CP-OFDM QPSK	1@32	1@12	10.26	10.34	13.31	22.11	0.1626
48B	30	20+15	637334	638478	DFT-s QPSK	27@24	16@0	10.4	10.66	13.54	22.34	0.1715
48B	30	20+15	637334	638478	DFT-s 16 QAM	27@24	16@0	10.42	10.44	13.44	22.24	0.1675
48B	30	20+15	641166	642310	DFT-s QPSK	27@24	16@0	10.43	10.54	13.50	22.30	0.1697
48B	30	20+15	641166	642310	DFT-s 16 QAM	27@24	16@0	10.52	10.23	13.39	22.19	0.1655
48B	30	20+15	645022	646166	DFT-s QPSK	27@24	16@0	10.47	10.52	13.51	22.31	0.1700
48B	30	20+15	645022	646166	DFT-s 16 QAM	27@24	16@0	10.54	10.28	13.42	22.22	0.1668
48B	30	15+20	637168	638312	DFT-s QPSK	16@22	27@0	10.74	10.55	13.66	22.46	0.1760
48B	30	15+20	637168	638312	DFT-s 16 QAM	16@22	27@0	10.78	9.66	13.27	22.07	0.1609
48B	30	15+20	641000	642144	DFT-s QPSK	16@22	27@0	10.67	10.34	13.52	22.32	0.1705
48B	30	15+20	641000	642144	DFT-s 16 QAM	16@22	27@0	10.87	9.63	13.30	22.10	0.1623
48B	30	15+20	644856	646000	DFT-s QPSK	16@22	27@0	10.66	10.55	13.62	22.42	0.1744
48B	30	15+20	644856	646000	DFT-s 16 QAM	16@22	27@0	10.79	9.68	13.28	22.08	0.1615
48B	30	20+10	637334	638310	DFT-s QPSK	32@19	5@0	10.54	10.59	13.58	22.38	0.1728
48B	30	20+10	637334	638310	DFT-s 16 QAM	32@19	5@0	10.56	10.44	13.51	22.31	0.1702
48B	30	20+10	641332	642308	DFT-s QPSK	32@19	5@0	10.52	10.61	13.58	22.38	0.1728
48B	30	20+10	641332	642308	DFT-s 16 QAM	32@19	5@0	10.45	10.23	13.35	22.15	0.1641
48B	30	20+10	645356	646332	DFT-s QPSK	32@19	5@0	10.41	10.64	13.54	22.34	0.1713
48B	30	20+10	645356	646332	DFT-s 16 QAM	32@19	5@0	10.37	10.35	13.37	22.17	0.1648
48B	30	10+20	637000	637976	DFT-s QPSK	5@19	32@0	10.73	10.56	13.66	22.46	0.1760
48B	30	10+20	637000	637976	DFT-s 16 QAM	5@19	32@0	10.84	9.6	13.27	22.07	0.1612
48B	30	10+20	641000	641976	DFT-s QPSK	5@19	32@0	10.68	10.53	13.62	22.42	0.1744
48B	30	10+20	641000	641976	DFT-s 16 QAM	5@19	32@0	10.67	9.54	13.15	21.95	0.1567
48B	30	10+20	645024	646000	DFT-s QPSK	5@19	32@0	10.77	10.49	13.64	22.44	0.1755
48B	30	10+20	645024	646000	DFT-s 16 QAM	5@19	32@0	10.65	9.67	13.20	22.00	0.1584
48B	30	15+15	637168	638168	DFT-s QPSK	20@18	16@0	10.68	10.51	13.61	22.41	0.1740
48B	30	15+15	637168	638168	DFT-s 16 QAM	20@18	16@0	10.79	9.63	13.26	22.06	0.1607
48B	30	15+15	641166	642166	DFT-s QPSK	20@18	16@0	10.72	10.55	13.65	22.45	0.1756
48B	30	15+15	641166	642166	DFT-s 16 QAM	20@18	16@0	10.84	9.63	13.29	22.09	0.1617
48B	30	15+15	645166	646166	DFT-s QPSK	20@18	16@0	10.7	10.57	13.65	22.45	0.1756
48B	30	15+15	645166	646166	DFT-s 16 QAM	20@18	16@0	10.85	9.76	13.35	22.15	0.1640
48B	30	15+10	637168	638000	DFT-s QPSK	20@18	9@0	10.74	10.55	13.66	22.46	0.1760
48B	30	15+10	637168	638000	DFT-s 16 QAM	20@18	9@0	10.78	9.66	13.27	22.07	0.1609
48B	30	15+10	641334	642166	DFT-s QPSK	20@18	9@0	10.67	10.34	13.52	22.32	0.1705
48B	30	15+10	641334	642166	DFT-s 16 QAM	20@18	9@0	10.87	9.63	13.30	22.10	0.1623

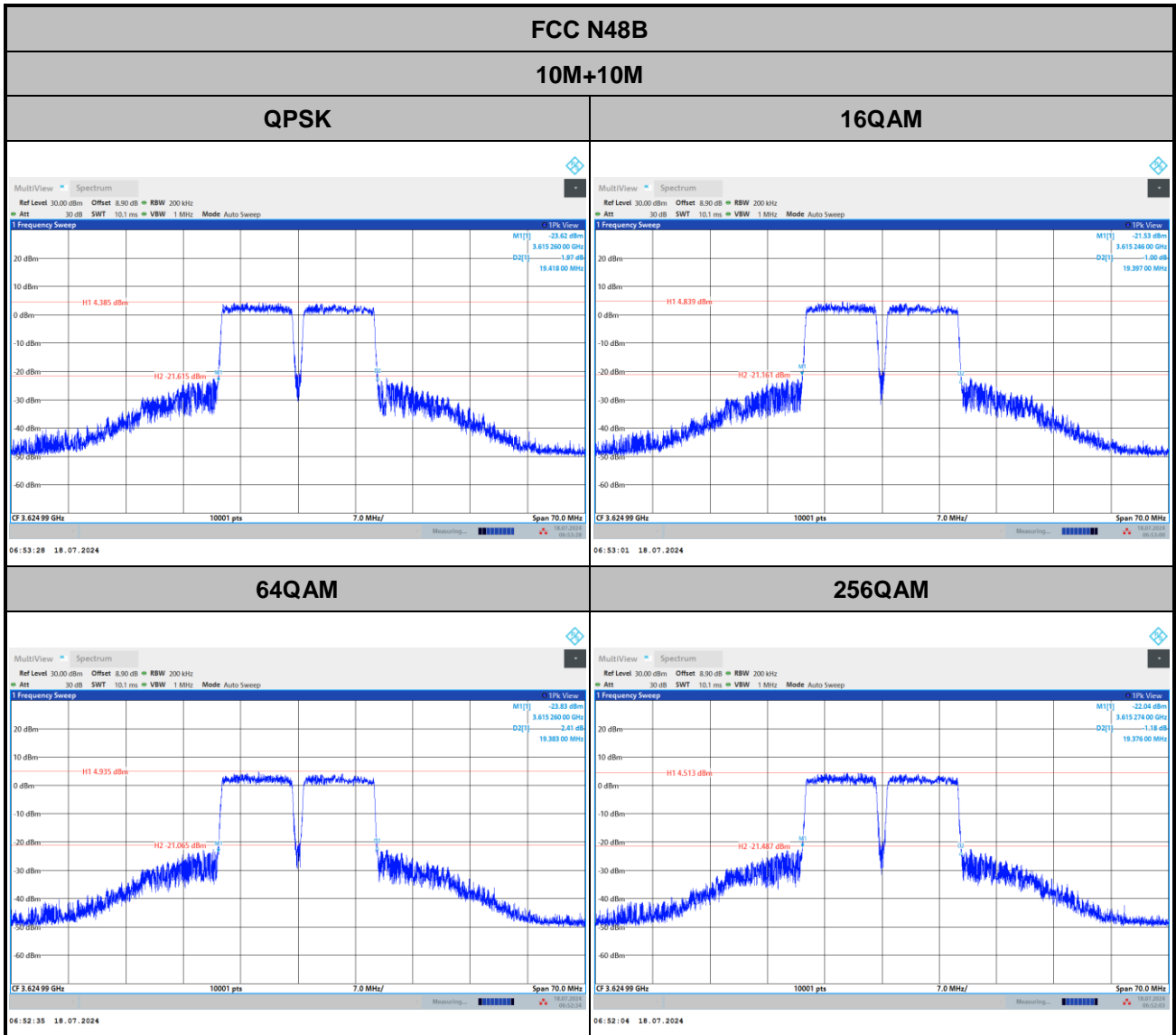


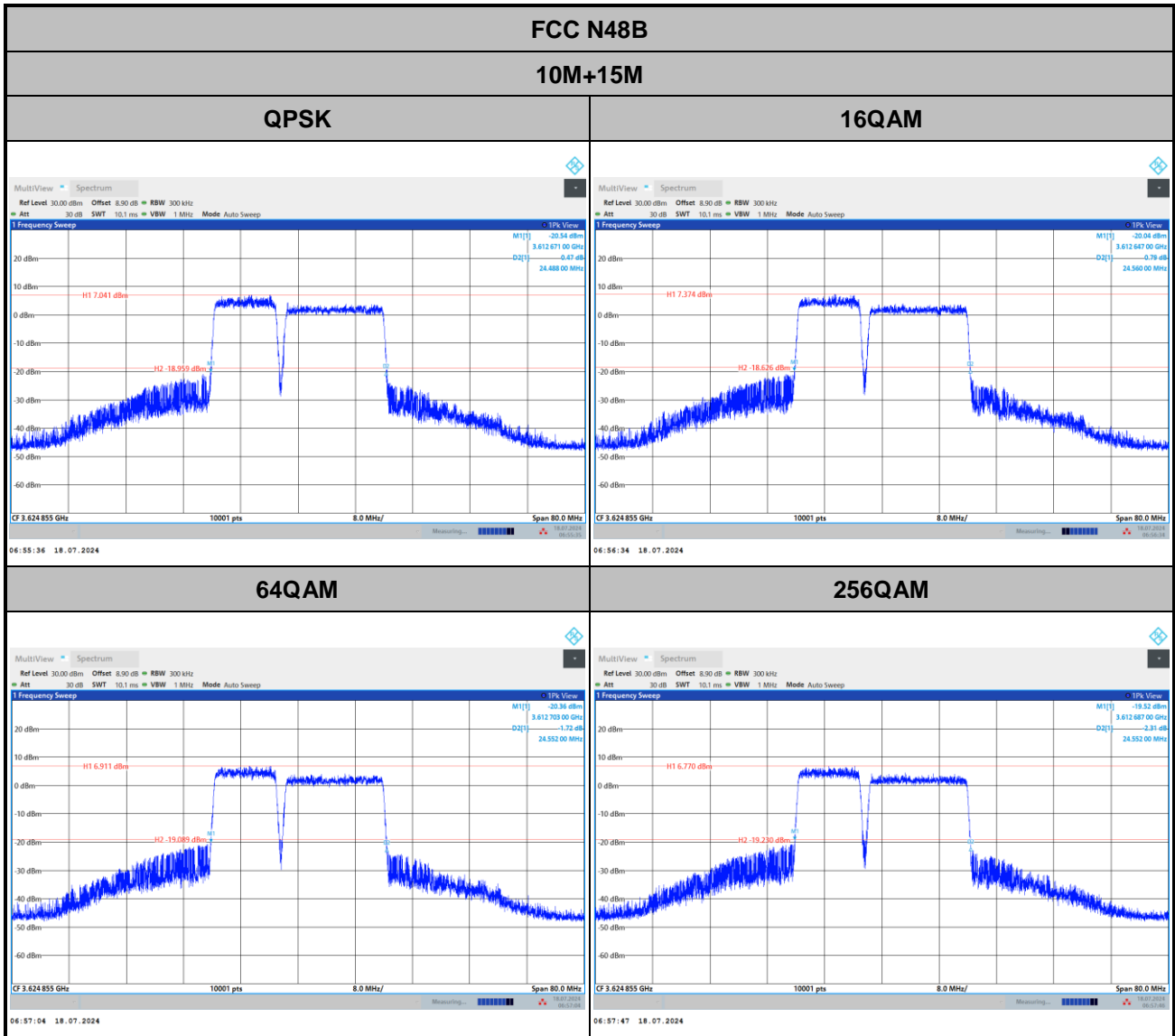
48B	30	15+10	645500	646332	DFT-s QPSK	20@18	9@0	10.66	10.55	13.62	22.42	0.1744
48B	30	15+10	645500	646332	DFT-s 16 QAM	20@18	9@0	10.79	9.68	13.28	22.08	0.1615
48B	30	10+15	637000	637832	DFT-s QPSK	9@15	20@0	10.8	10.56	13.69	22.49	0.1775
48B	30	10+15	637000	637832	DFT-s 16 QAM	9@15	20@0	10.84	9.5	13.23	22.03	0.1597
48B	30	10+15	641166	641998	DFT-s QPSK	9@15	20@0	10.63	10.4	13.53	22.33	0.1709
48B	30	10+15	641166	641998	DFT-s 16 QAM	9@15	20@0	10.68	9.66	13.21	22.01	0.1589
48B	30	10+15	645334	646166	DFT-s QPSK	9@15	20@0	10.69	10.38	13.55	22.35	0.1717
48B	30	10+15	645334	646166	DFT-s 16 QAM	9@15	20@0	10.7	9.58	13.19	21.99	0.1580
48B	30	10+10	637000	637664	DFT-s QPSK	12@12	12@0	10.03	10.61	13.34	22.14	0.1637
48B	30	10+10	637000	637664	DFT-s 16 QAM	12@12	12@0	10.89	9.58	13.29	22.09	0.1620
48B	30	10+10	641332	641996	DFT-s QPSK	12@12	12@0	10.84	10.51	13.69	22.49	0.1774
48B	30	10+10	641332	641996	DFT-s 16 QAM	12@12	12@0	10.84	9.62	13.28	22.08	0.1615
48B	30	10+10	645668	646332	DFT-s QPSK	12@12	12@0	10.91	10.57	13.75	22.55	0.1800
48B	30	10+10	645668	646332	DFT-s 16 QAM	12@12	12@0	10.81	9.44	13.19	21.99	0.1581

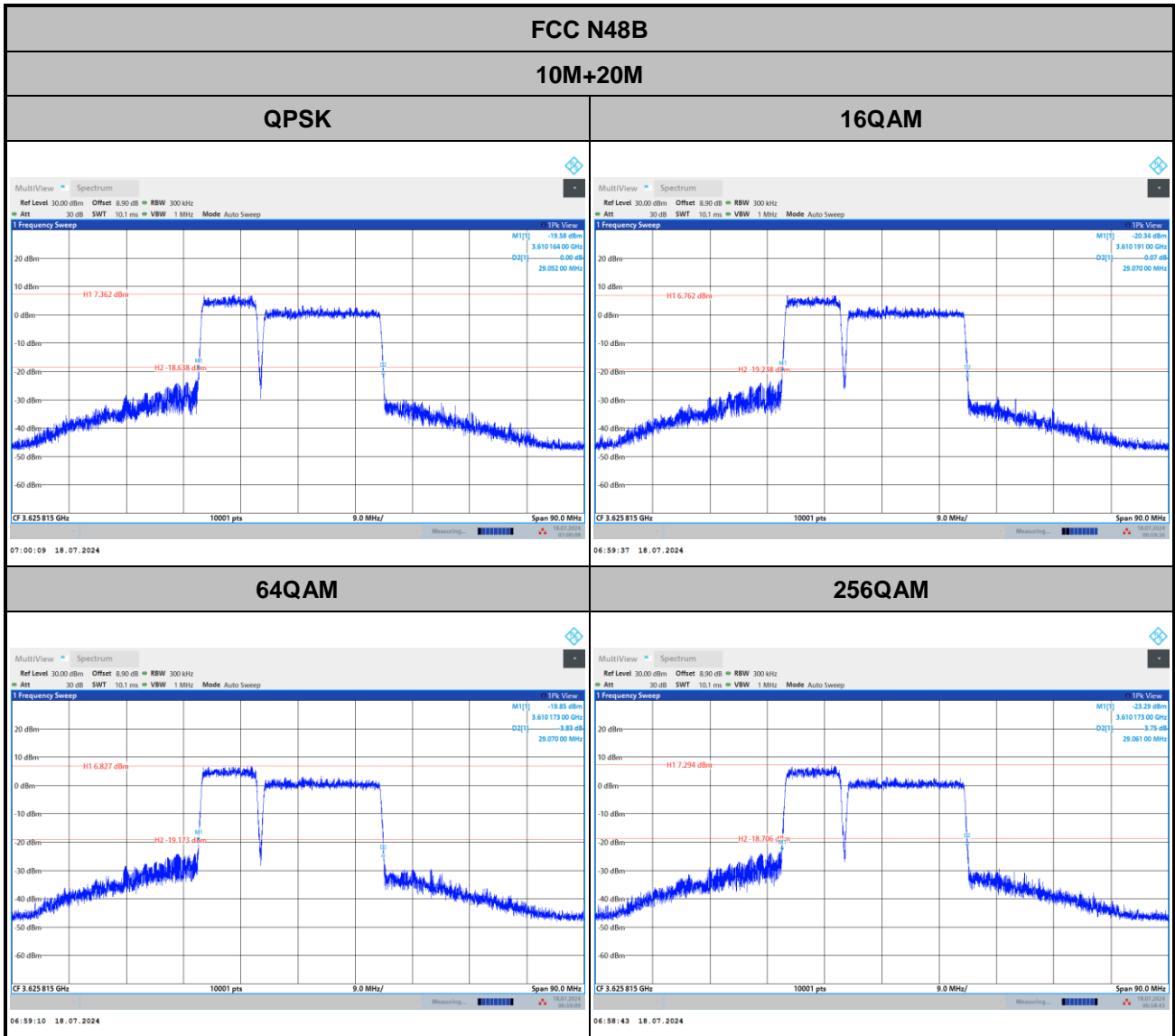


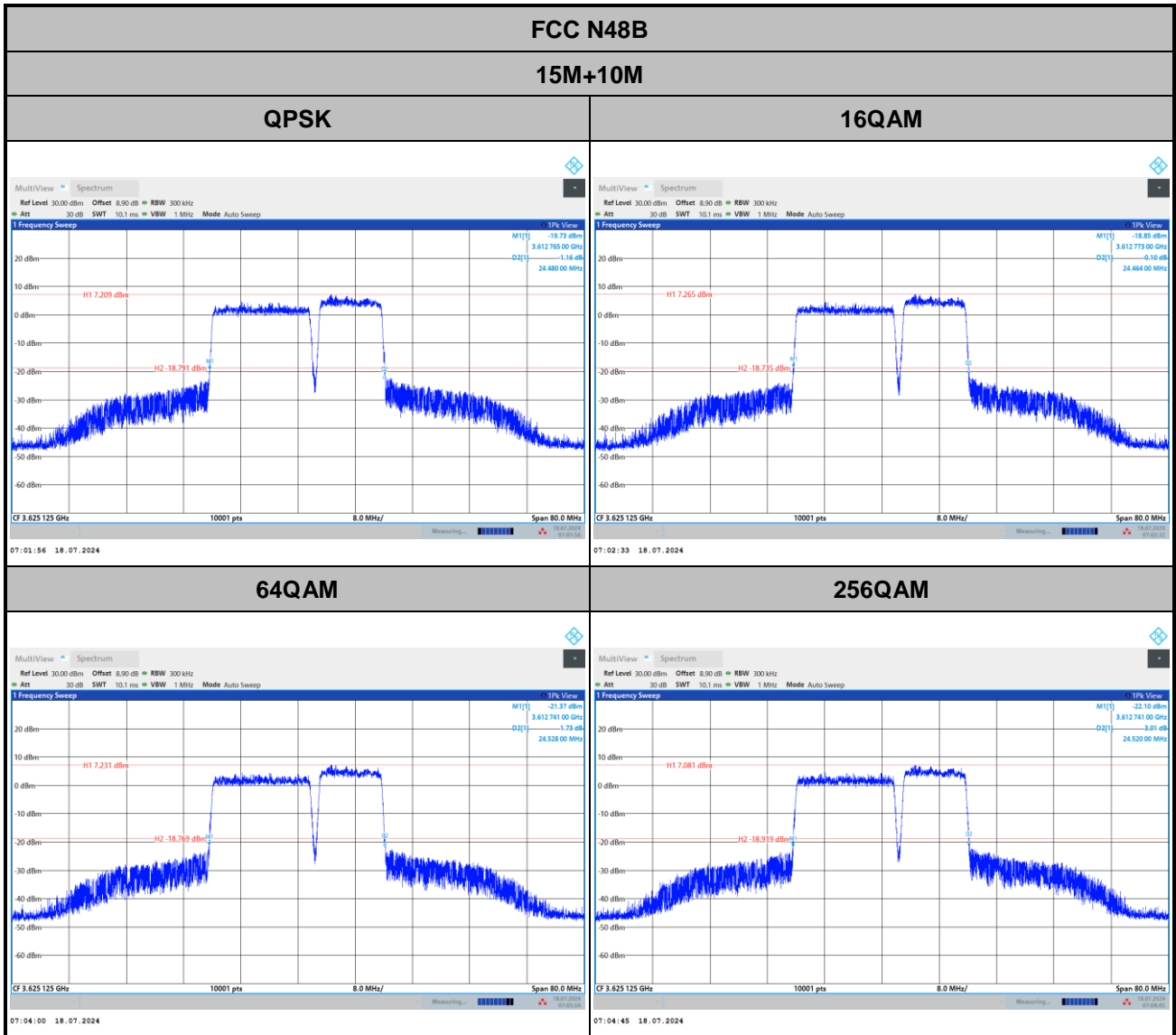
26dB Bandwidth

Mode	FCC N48B : 26dB BW(MHz)				
Modulation	10MHz+10MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
QPSK	19.42	24.49	29.05	24.48	29.62
16QAM	19.38	24.56	29.07	24.46	29.69
64QAM	19.38	24.55	29.07	24.53	29.62
256QAM	19.38	24.55	29.06	24.52	29.63
Modulation	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	
QPSK	34.35	29.01	34.43	39.47	
16QAM	34.36	29.02	34.38	39.51	
64QAM	34.44	29.02	34.33	39.55	
256QAM	34.39	28.89	34.32	39.60	









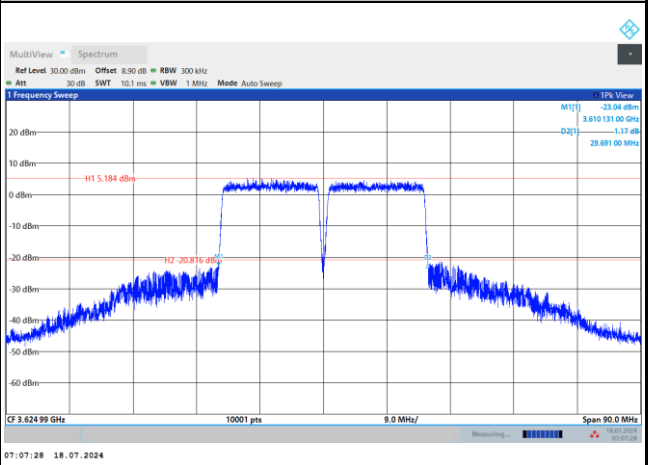
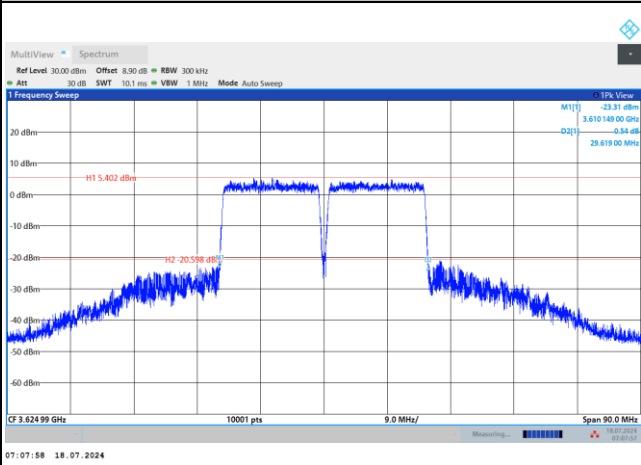


FCC N48B

15M+15M

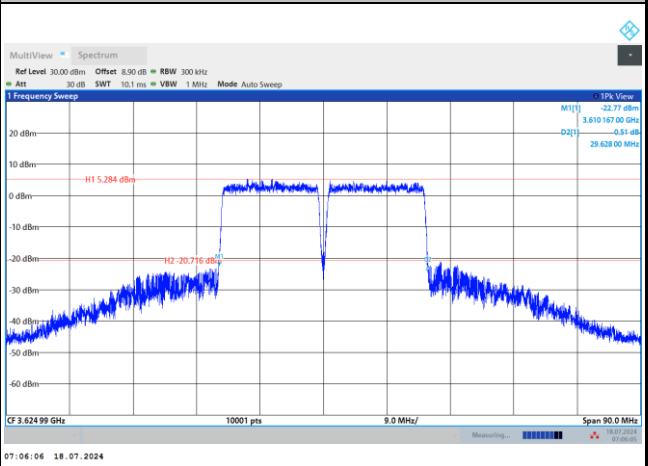
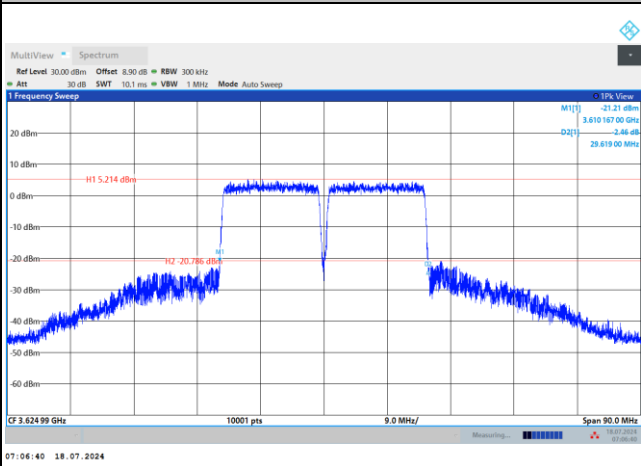
QPSK

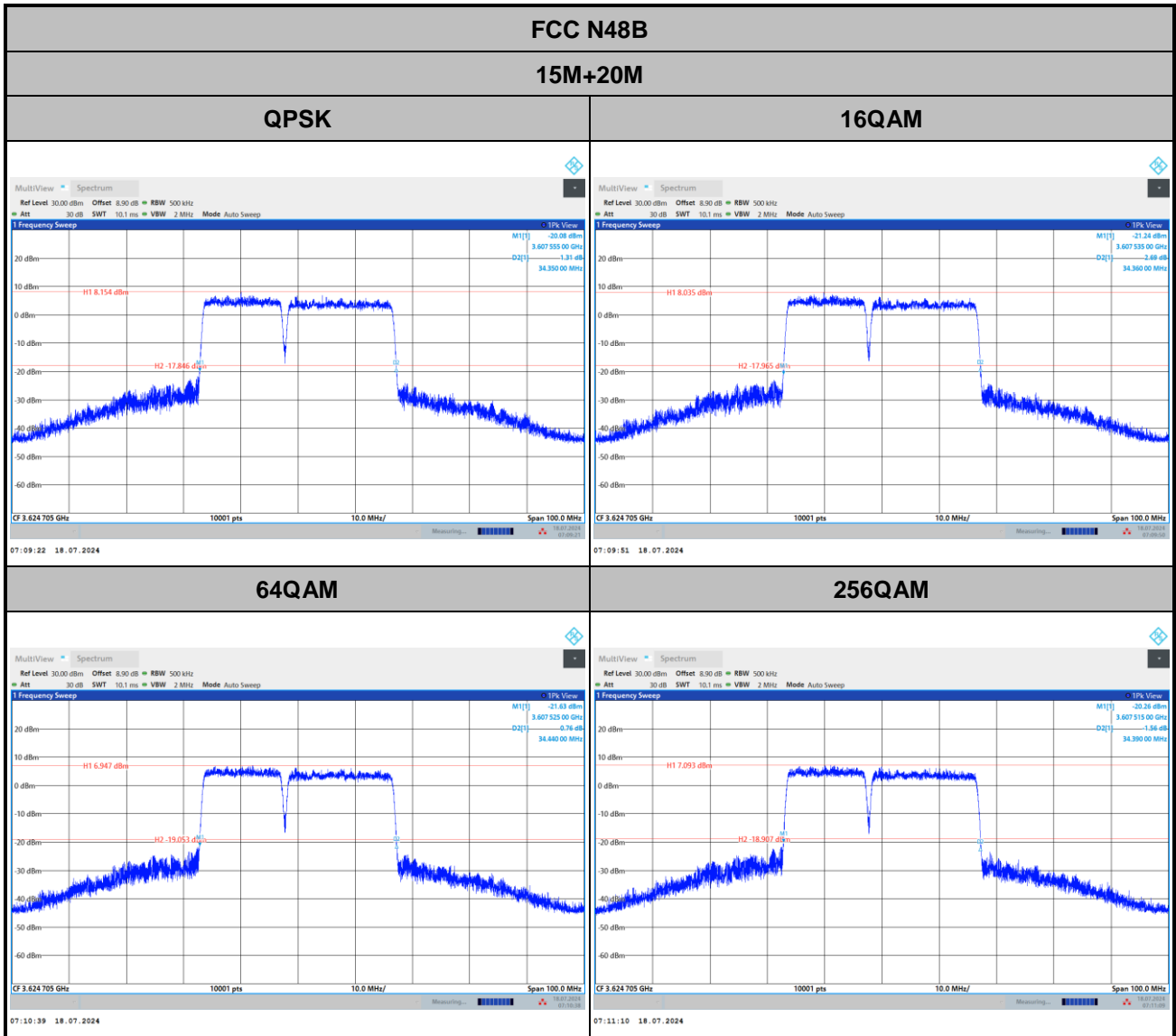
16QAM

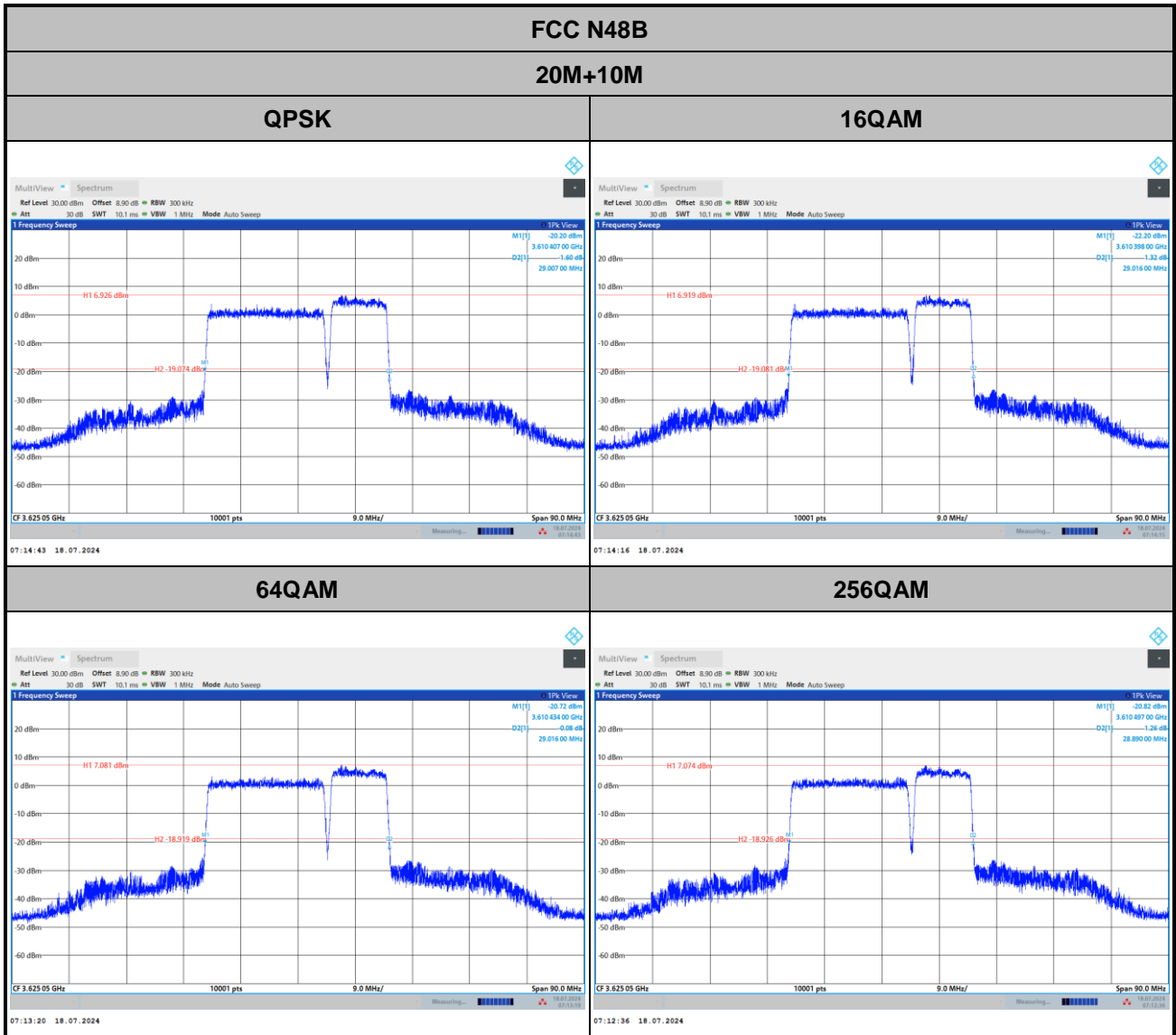


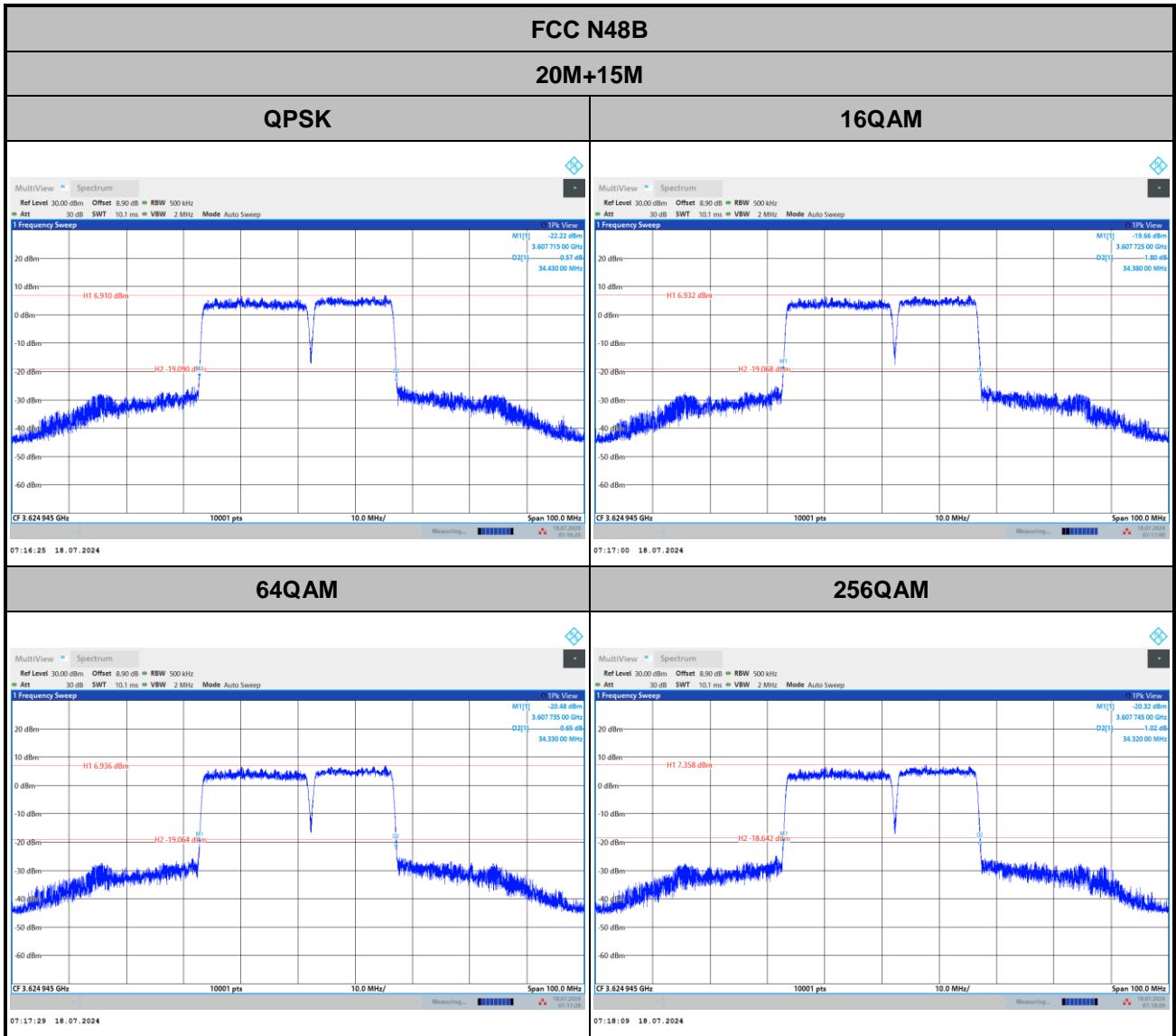
64QAM

256QAM









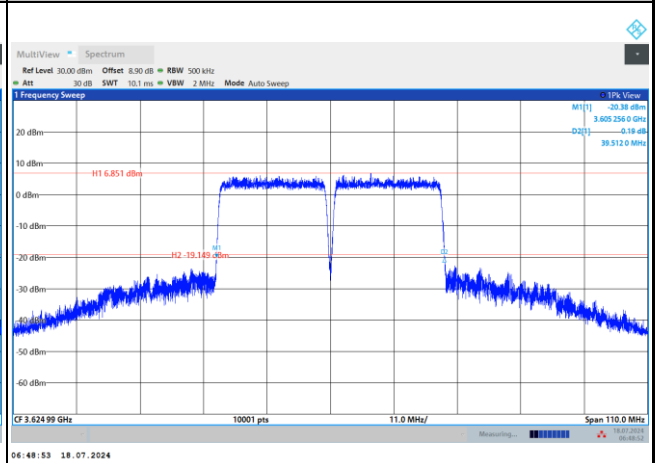
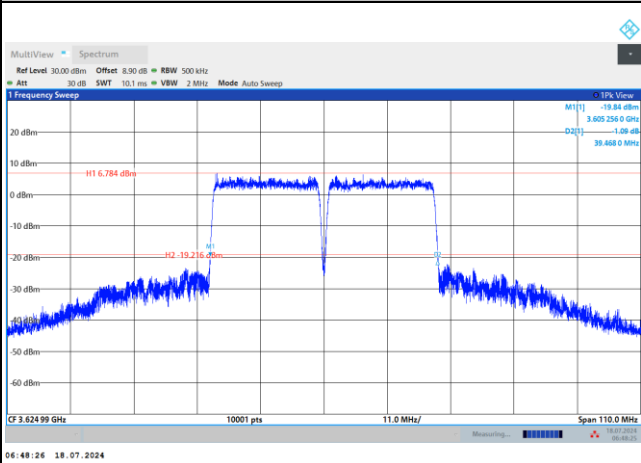


FCC N48B

20M+20M

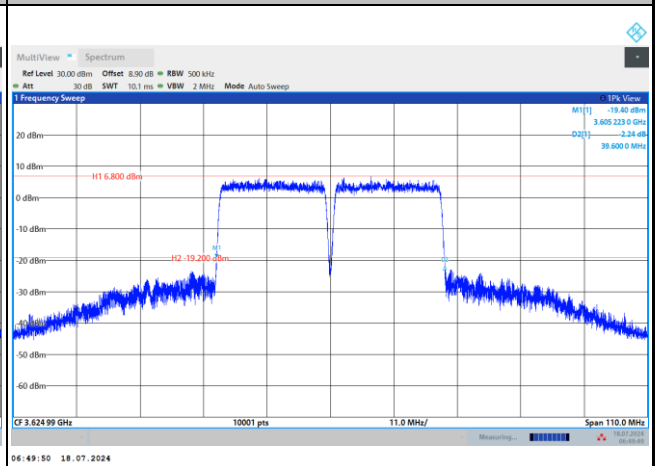
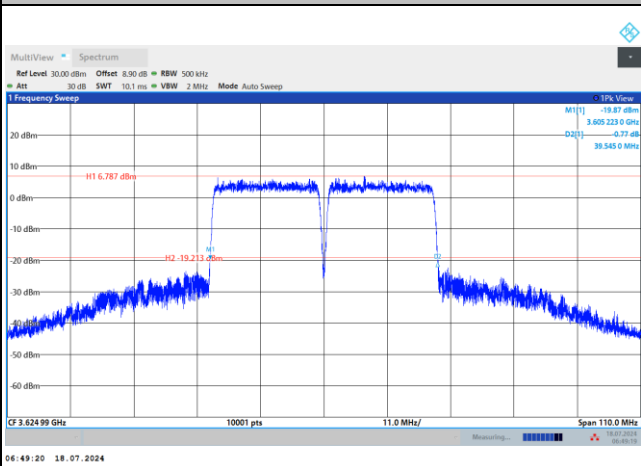
QPSK

16QAM



64QAM

256QAM





Occupied Bandwidth

Mode	FCC N48B : OBW(MHz)				
Modulation	10MHz+10MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
QPSK	18.50	23.47	27.87	23.44	28.42
16QAM	18.45	23.46	27.84	23.47	28.45
64QAM	18.49	23.44	27.87	23.44	28.45
256QAM	18.44	23.41	27.90	23.46	28.45
Modulation	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	
QPSK	32.90	27.87	32.88	37.97	
16QAM	32.86	27.90	32.93	37.94	
64QAM	32.88	27.93	32.92	37.93	
256QAM	32.85	27.91	32.92	37.95	