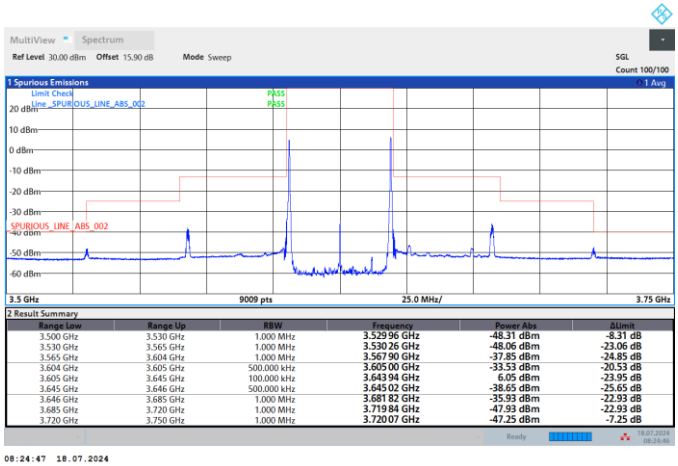
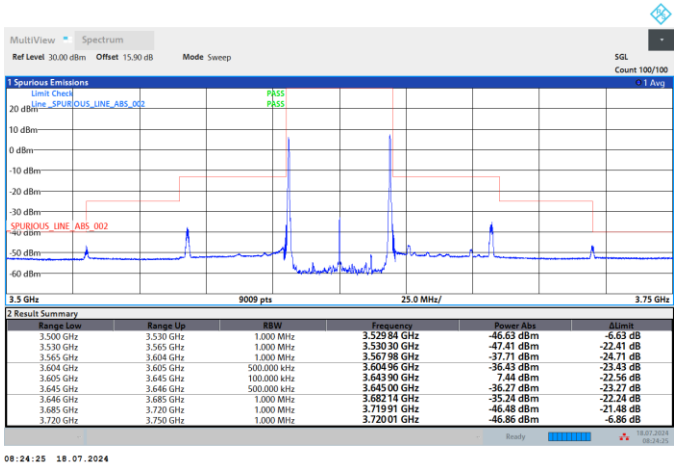
FCC N48B/ 20MHz+20MHz

PCC+SCC Average Power

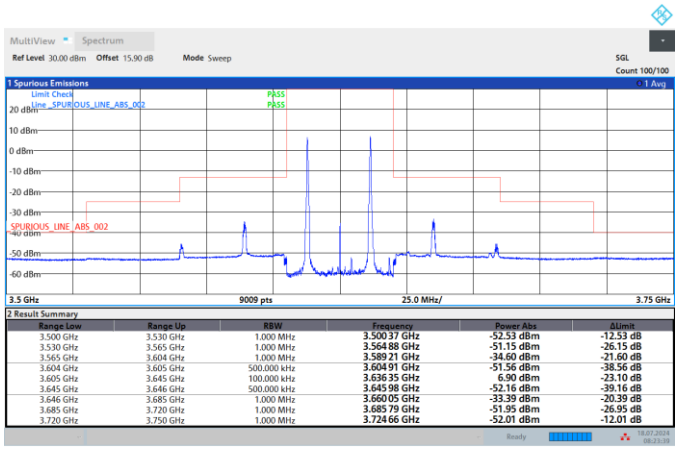
Middle Band Edge / BPSK / 1RBLeft_1RBRight



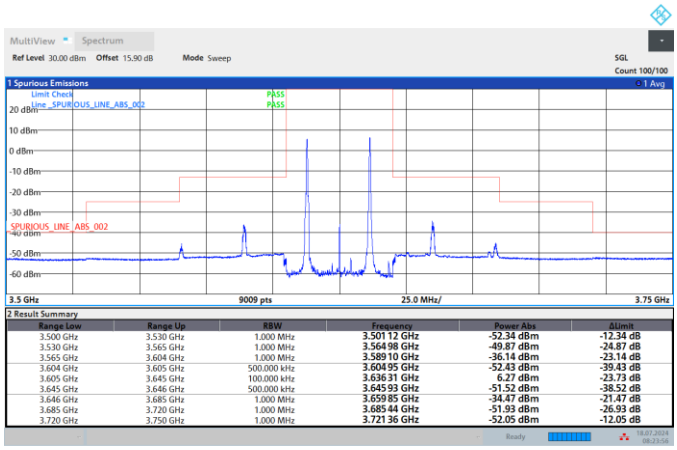
Middle Band Edge / QPSK / 1RBLeft_1RBRight



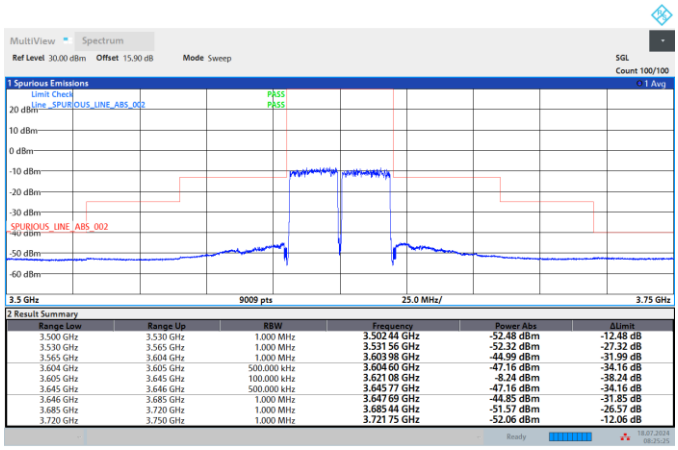
Middle Band Edge / BPSK / 1RBRight_1RBLeft



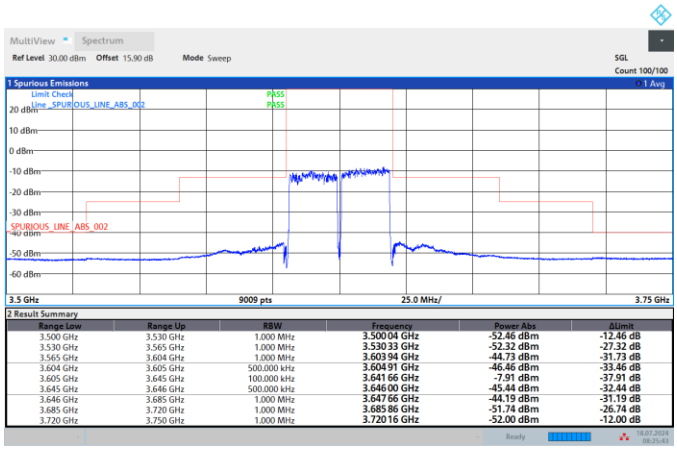
Middle Band Edge / QPSK / 1RBRight_1RBLeft



Middle Band Edge / BPSK / FullRB_FullRB



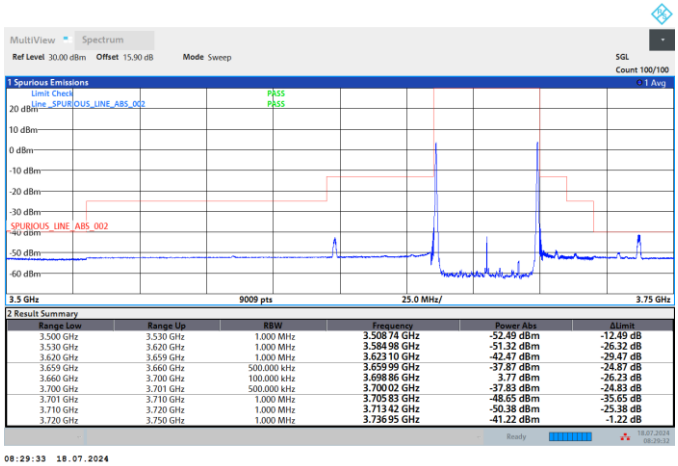
Middle Band Edge / QPSK / FullRB_FullRB



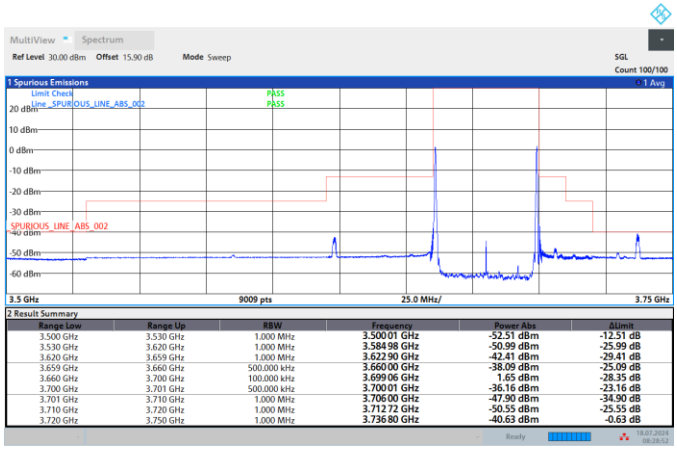
FCC N48B/ 20MHz+20MHz

PCC+SCC Average Power

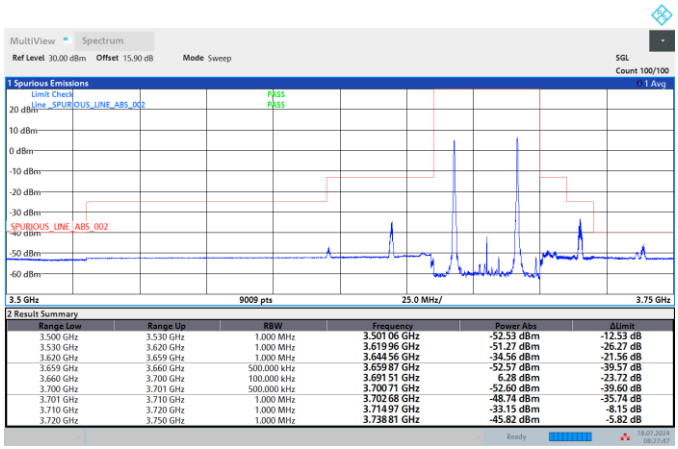
Highest Band Edge / BPSK / 1RBLeft_1RBRight



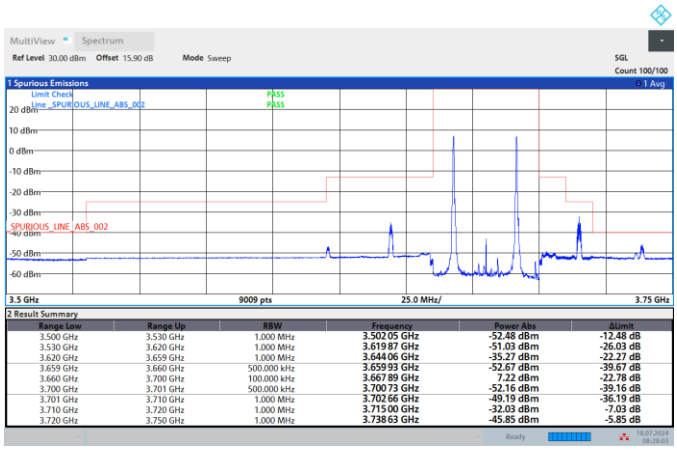
Highest Band Edge / QPSK / 1RBLeft_1RBRight



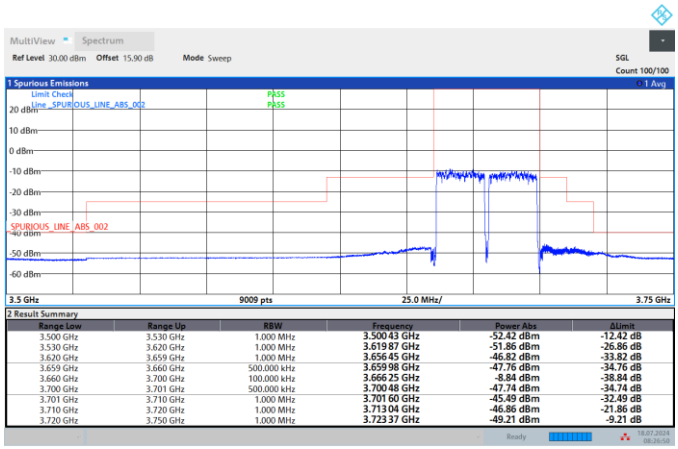
Highest Band Edge / BPSK / 1RBRight_1RBLeft



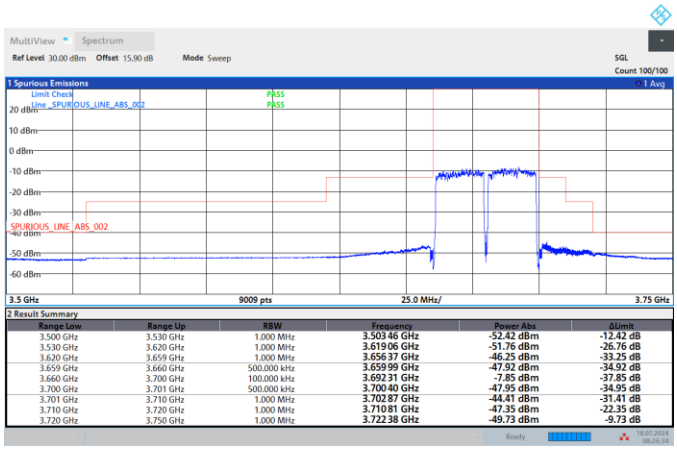
Highest Band Edge / QPSK / 1RBRight_1RBLeft



Highest Band Edge / BPSK / FullRB_FullRB



Highest Band Edge / QPSK / FullRB_FullRB

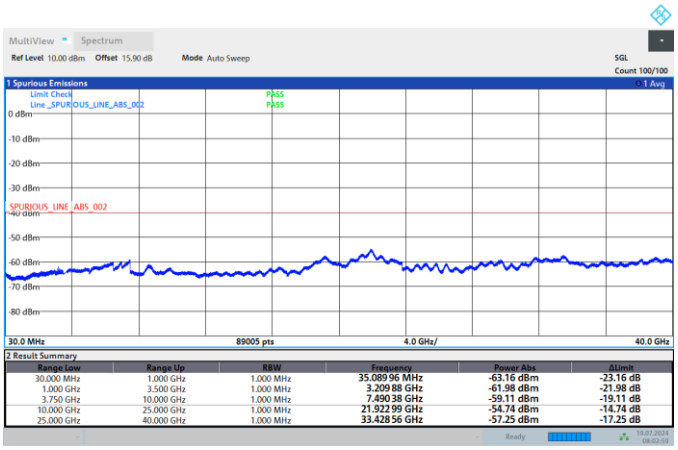


Conducted Spurious Emission

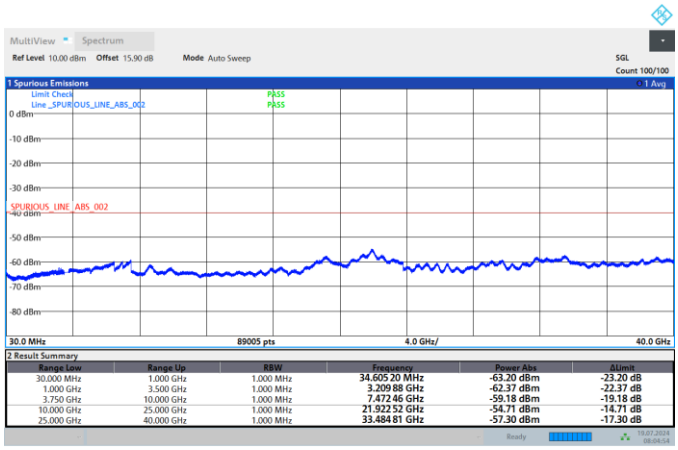
FCC N48B/ 10MHz+10MHz

PCC Max Power

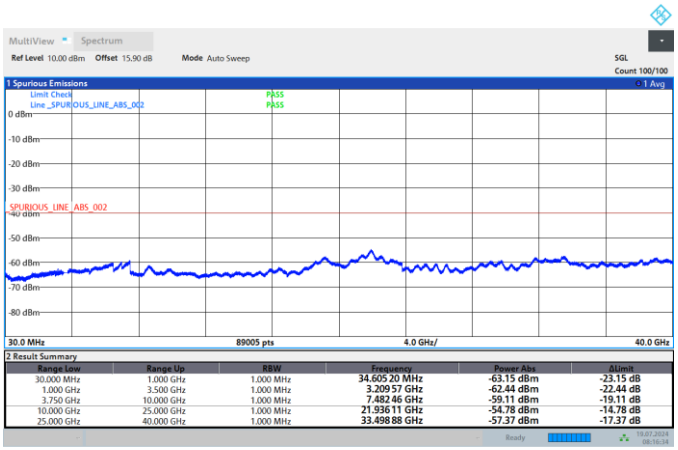
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



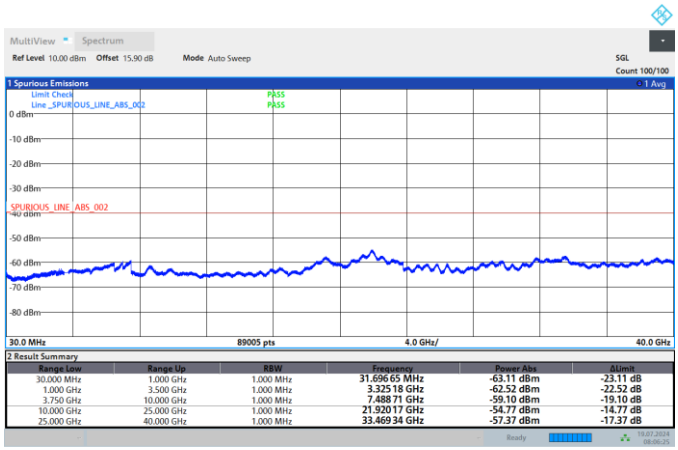
Lowest Band Edge / QPSK / 1RBLeft_1RBRight

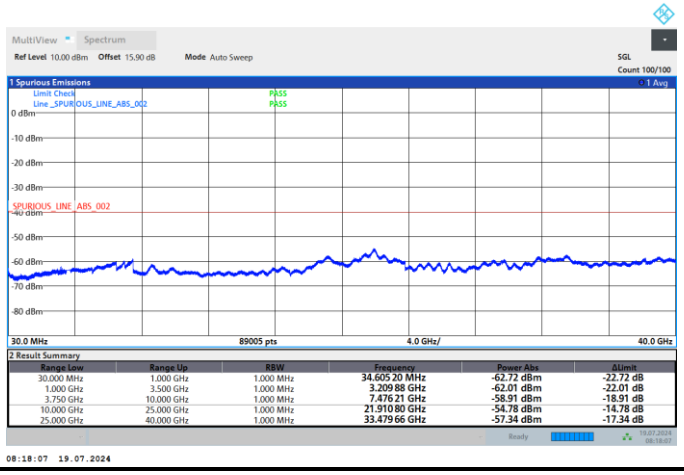
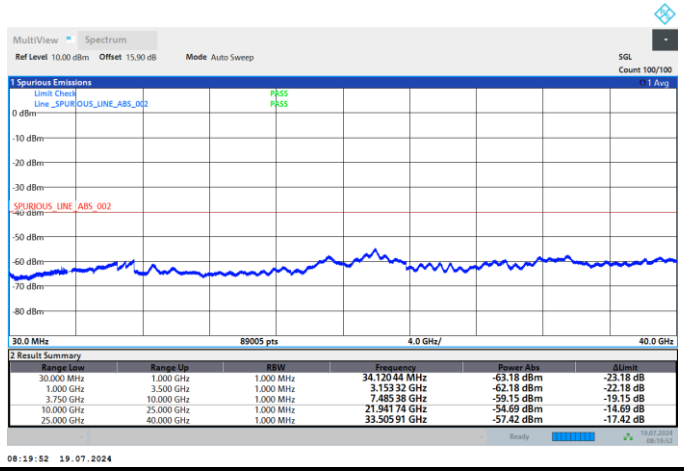


Middle Band Edge / BPSK / 1RBLeft_1RBRight



Middle Band Edge / QPSK / 1RBLeft_1RBRight

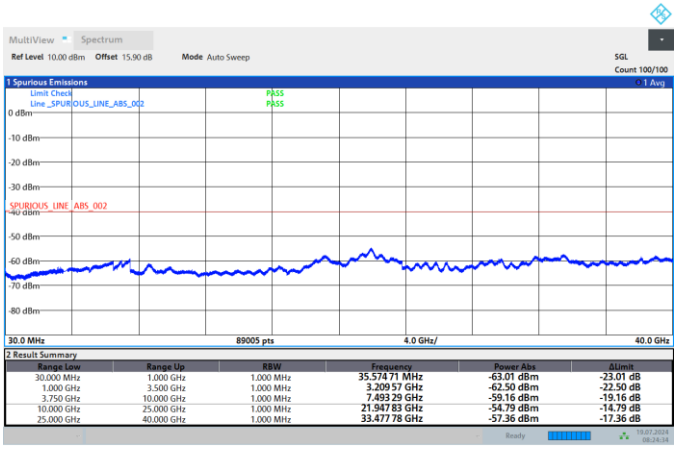


Highest Band Edge /BPSK/ 1RBLeft_1RBRight	Highest Band Edge /QPSK/ 1RBLeft_1RBRight
	

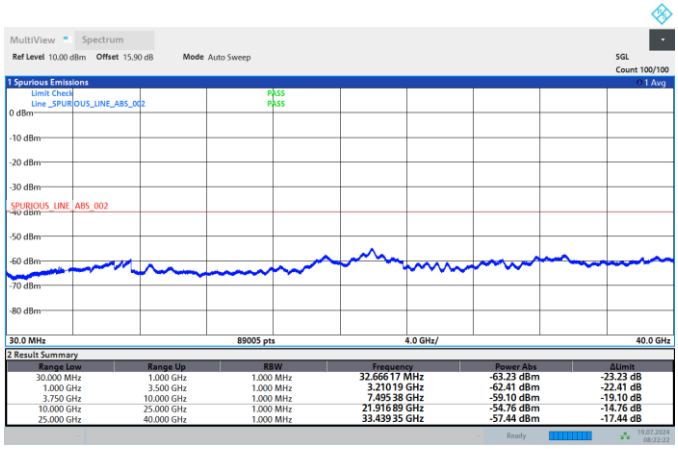
FCC N48B/ 20MHz+10MHz

PCC Max Power

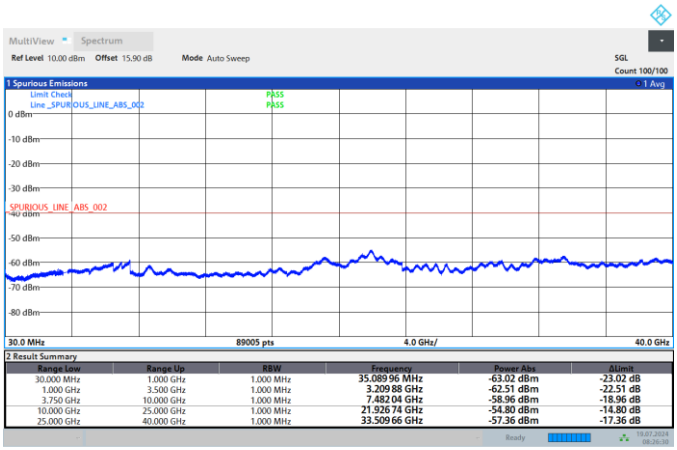
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



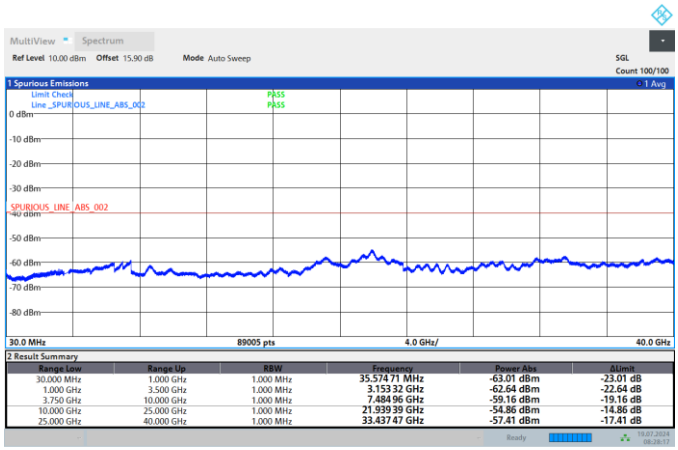
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



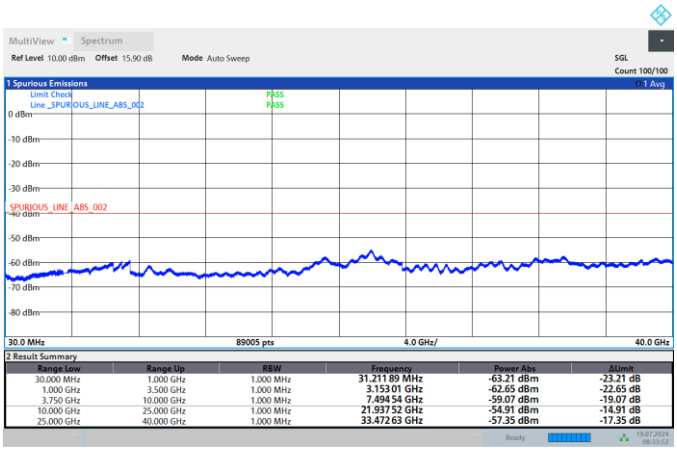
Middle Band Edge / BPSK / 1RBLeft_1RBRight



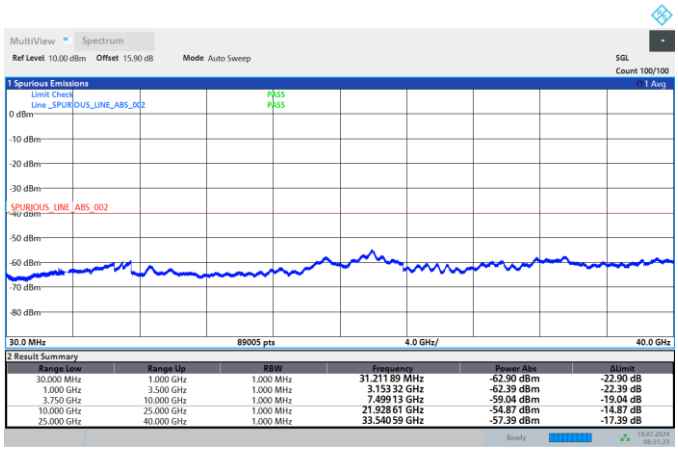
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



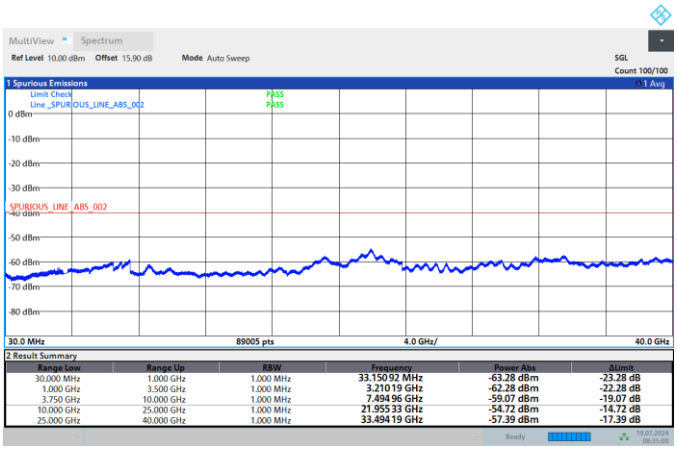
Highest Band Edge /QPSK/ 1RBLeft_1RBRight



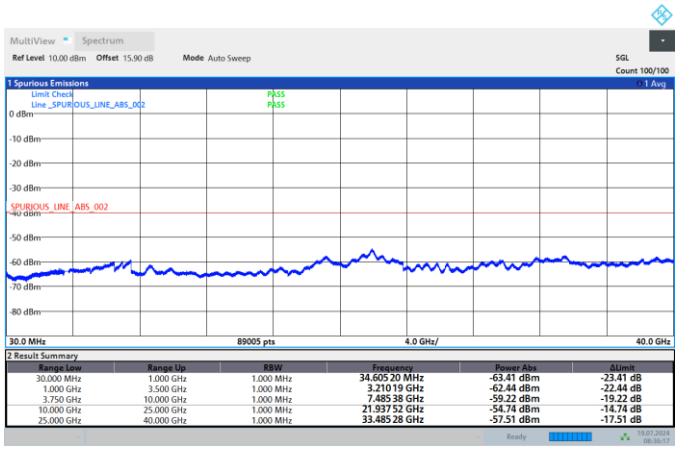
FCC N48B/ 20MHz+20MHz

PCC Max Power

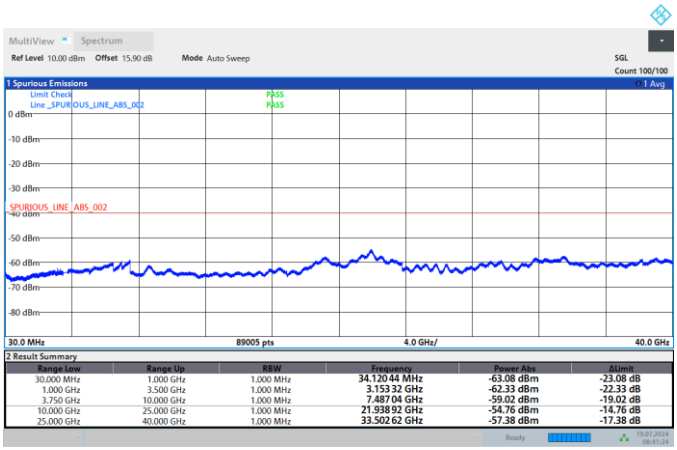
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



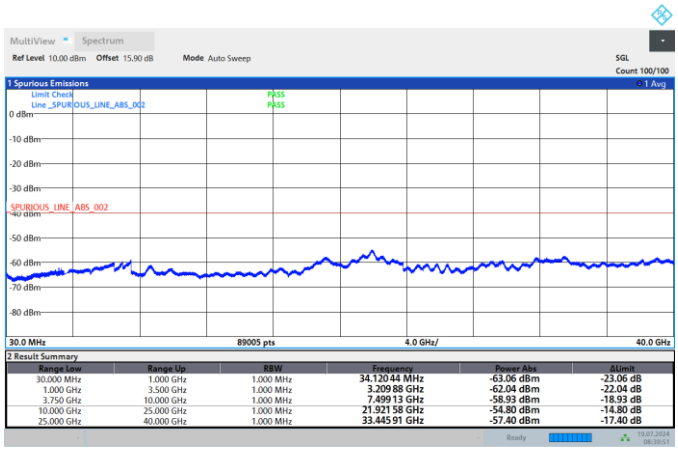
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



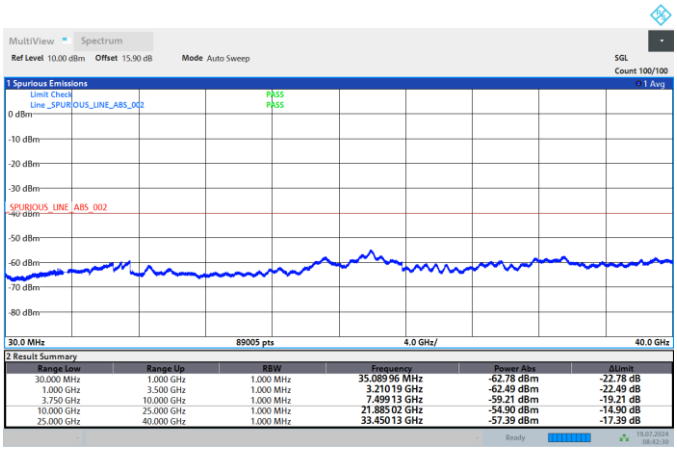
Middle Band Edge / BPSK / 1RBLeft_1RBRight



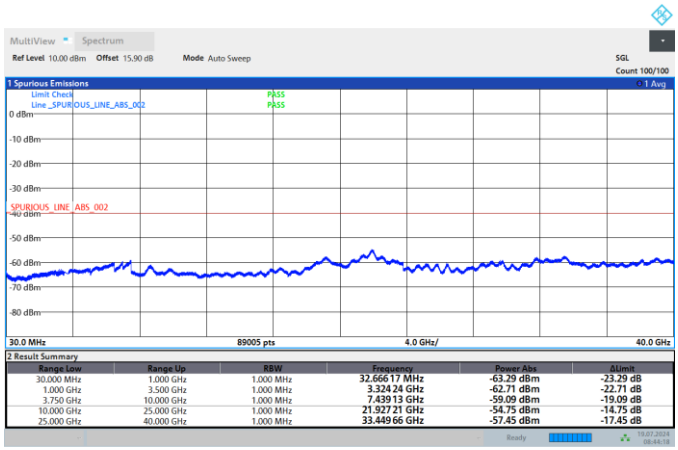
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



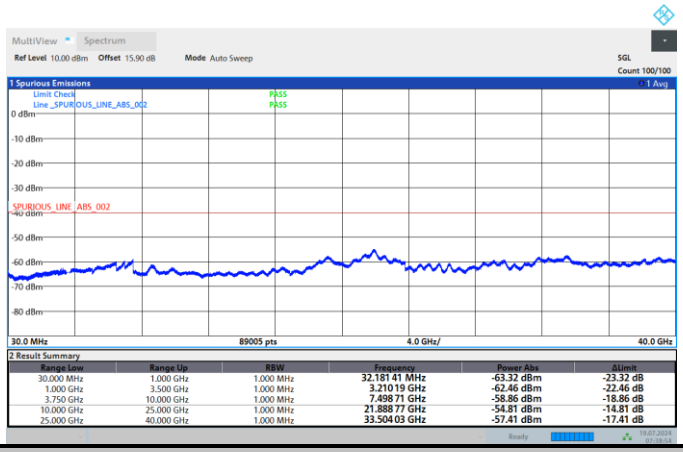
Highest Band Edge /QPSK/ 1RBLeft_1RBRight



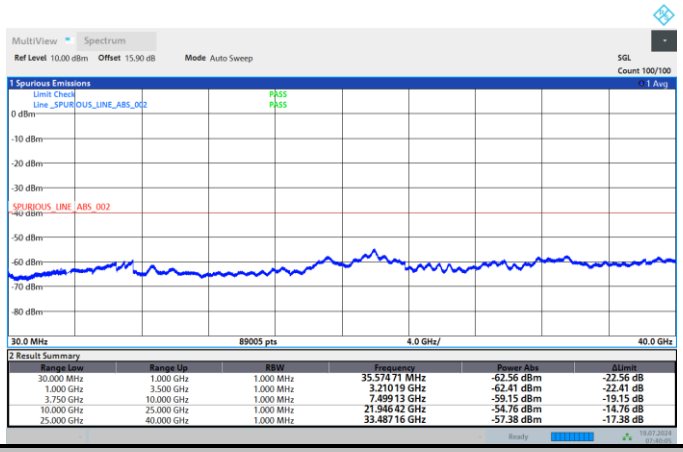
FCC N48B/ 10MHz+10MHz

SCC Max Power

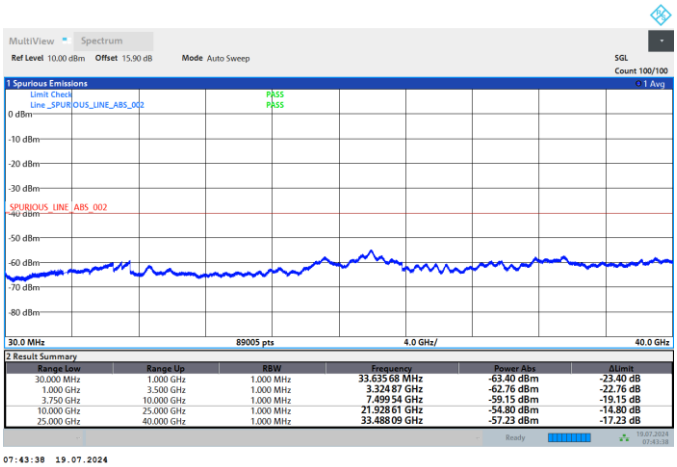
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



Lowest Band Edge / QPSK / 1RBLeft_1RBRight

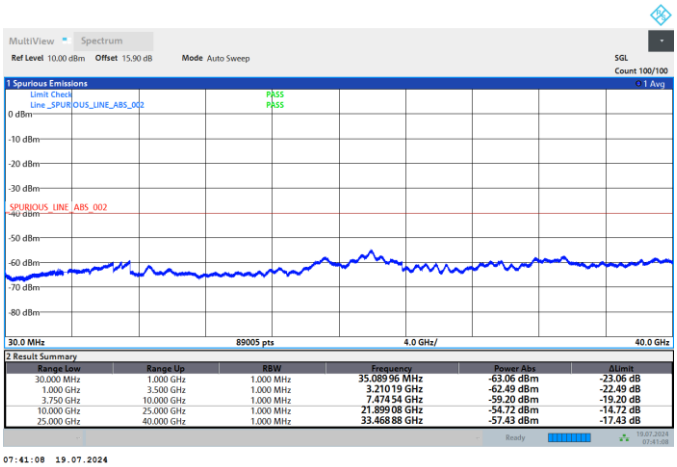


Middle Band Edge / BPSK / 1RBLeft_1RBRight



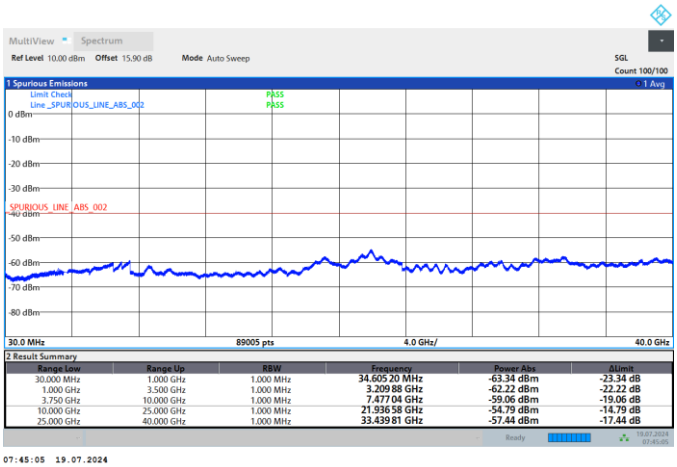
07:43:38 19.07.2024

Middle Band Edge / QPSK / 1RBLeft_1RBRight



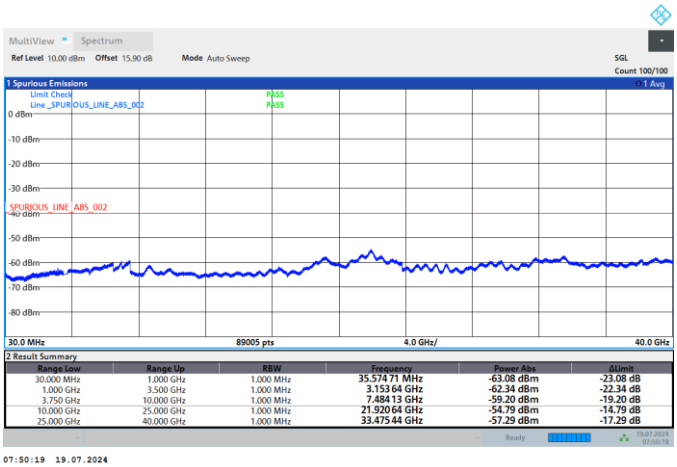
07:41:08 19.07.2024

Highest Band Edge /BPSK/ 1RBLeft_1RBRight



07:45:05 19.07.2024

Highest Band Edge /QPSK/ 1RBLeft_1RBRight

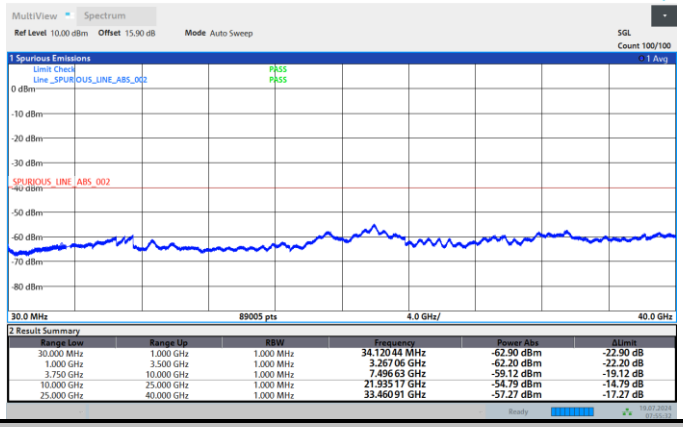


07:50:19 19.07.2024

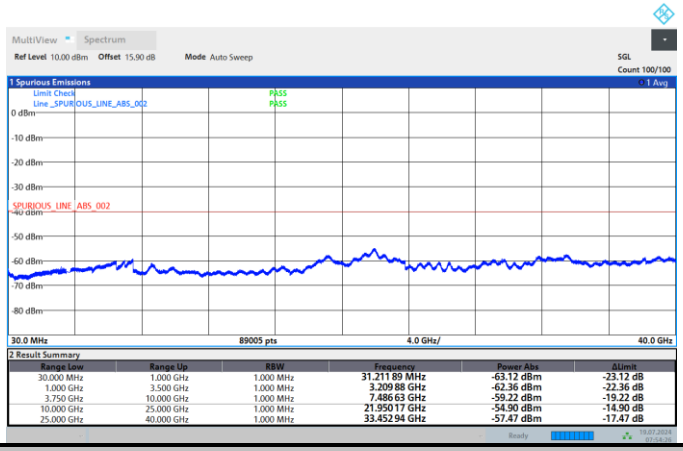
FCC N48B/ 20MHz+10MHz

SCC Max Power

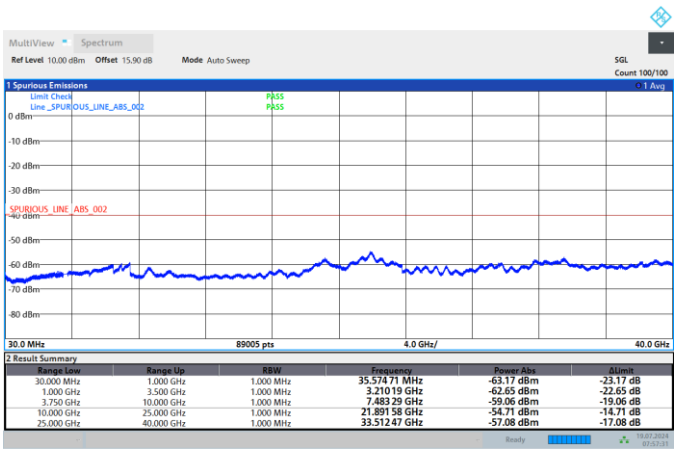
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



Lowest Band Edge / QPSK / 1RBLeft_1RBRight

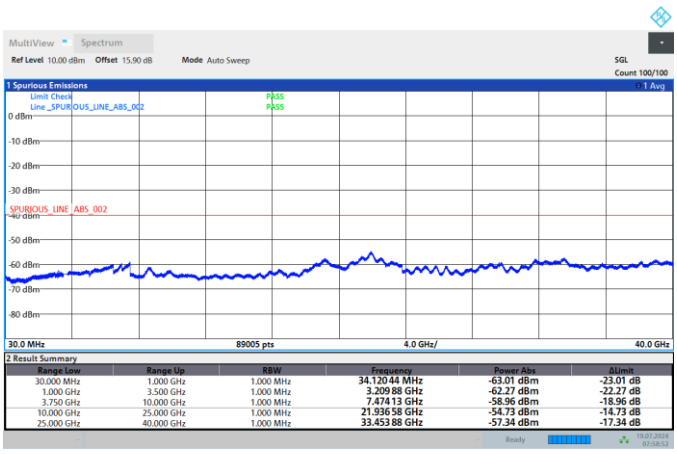


Middle Band Edge / BPSK / 1RBLeft_1RBRight



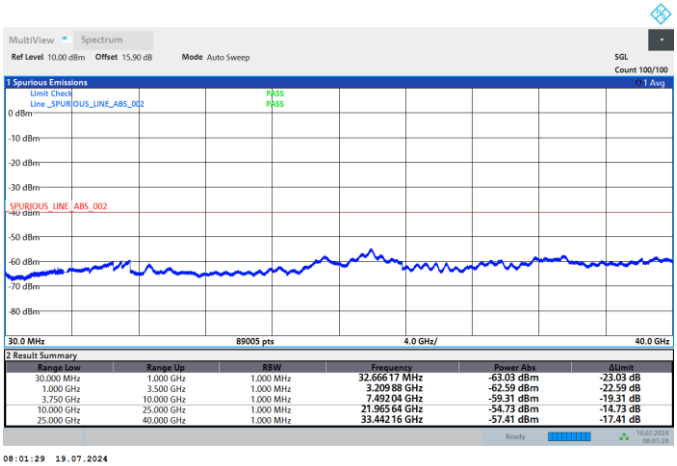
07:57:31 19.07.2024

Middle Band Edge / QPSK / 1RBLeft_1RBRight



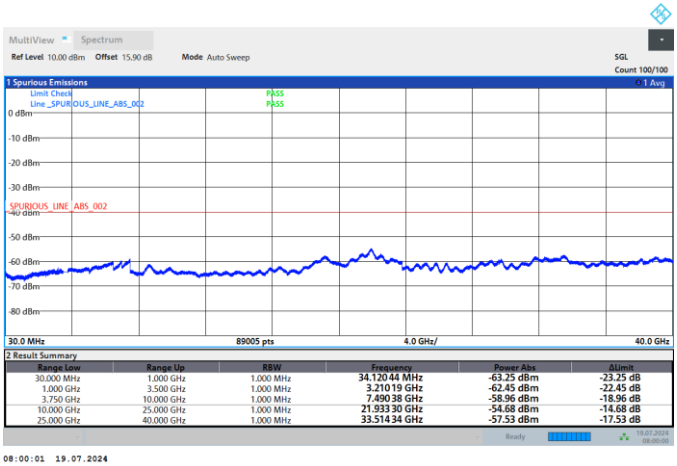
07:58:52 19.07.2024

Highest Band Edge /BPSK/ 1RBLeft_1RBRight



08:01:29 19.07.2024

Highest Band Edge /QPSK/ 1RBLeft_1RBRight

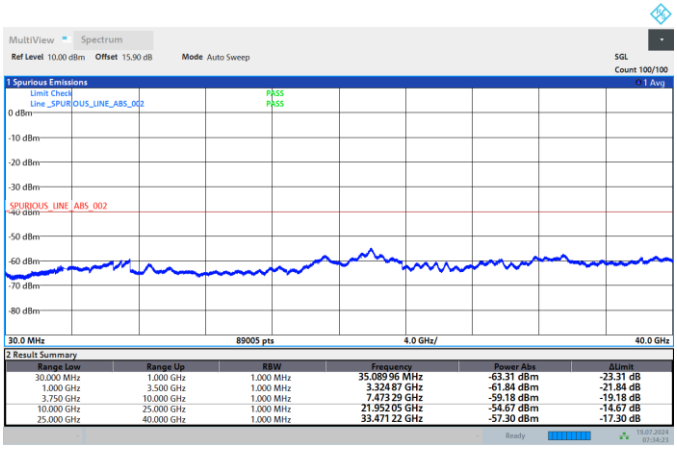


08:00:01 19.07.2024

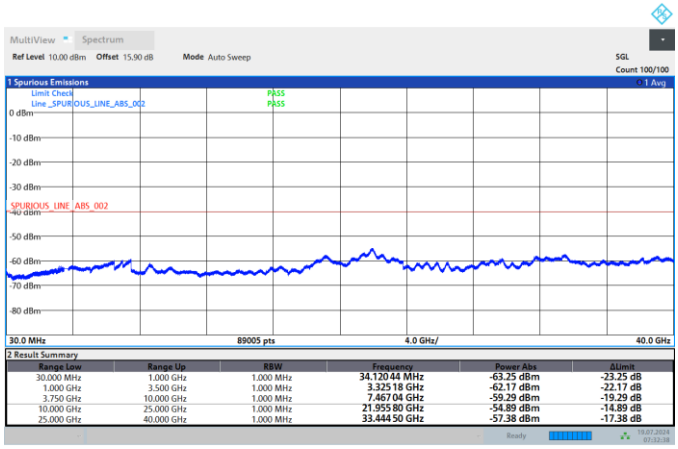
FCC N48B/ 20MHz+20MHz

SCC Max Power

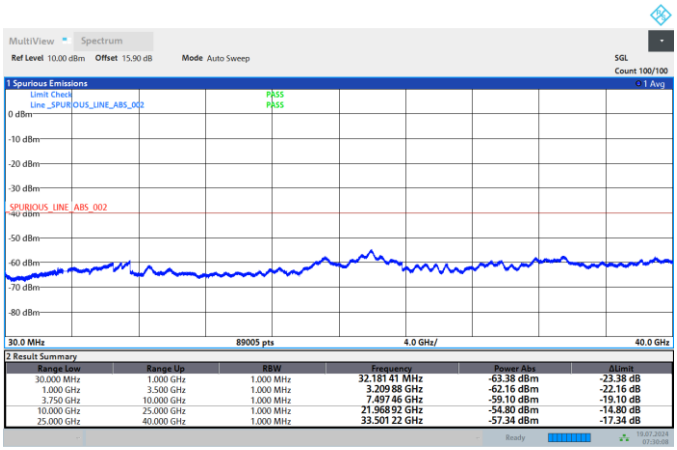
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



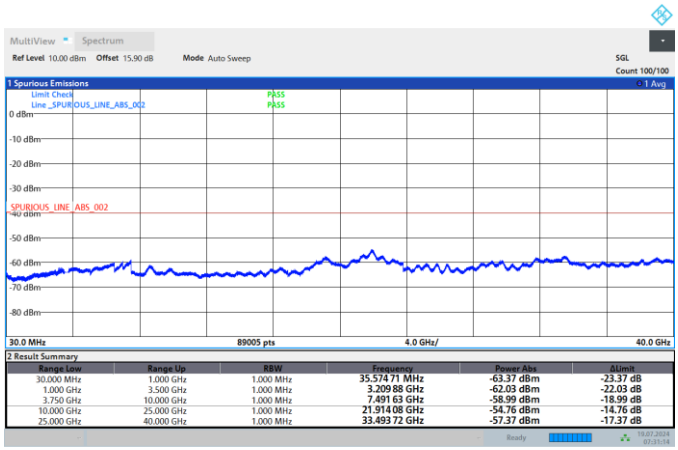
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



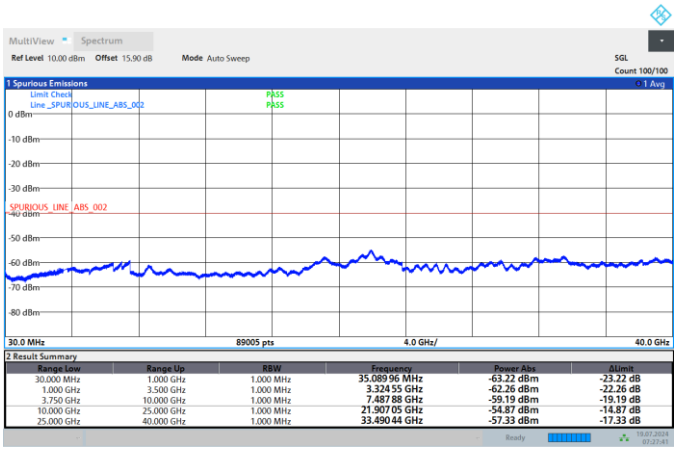
Middle Band Edge / BPSK / 1RBLeft_1RBRight



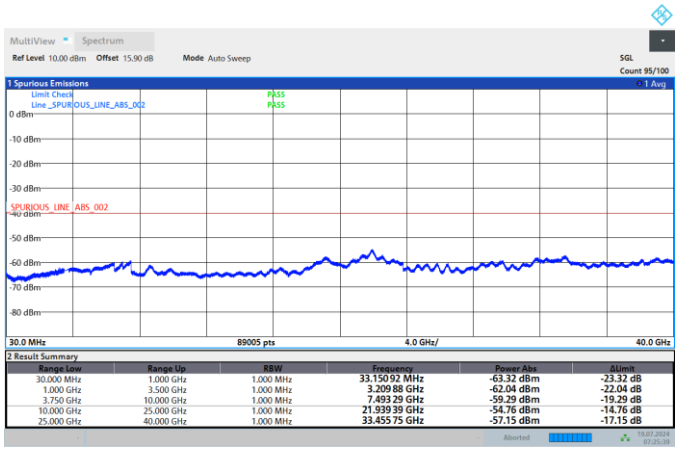
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



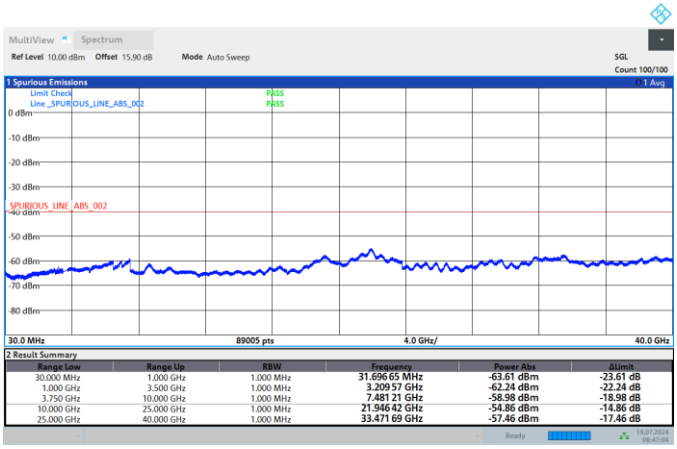
Highest Band Edge /QPSK/ 1RBLeft_1RBRight



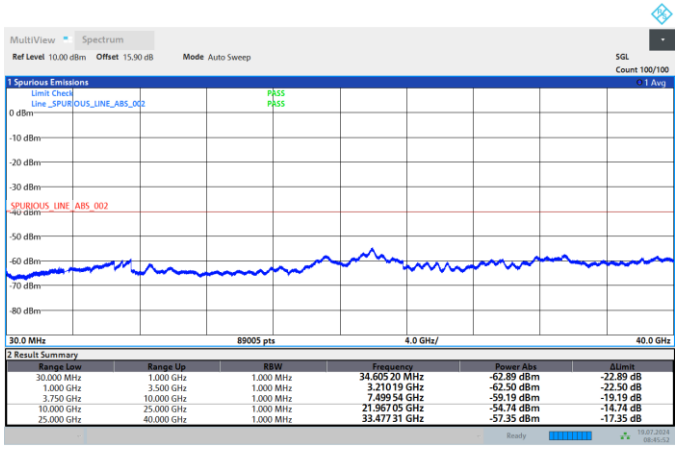
FCC N48B/ 10MHz+10MHz

PCC+SCC Average Power

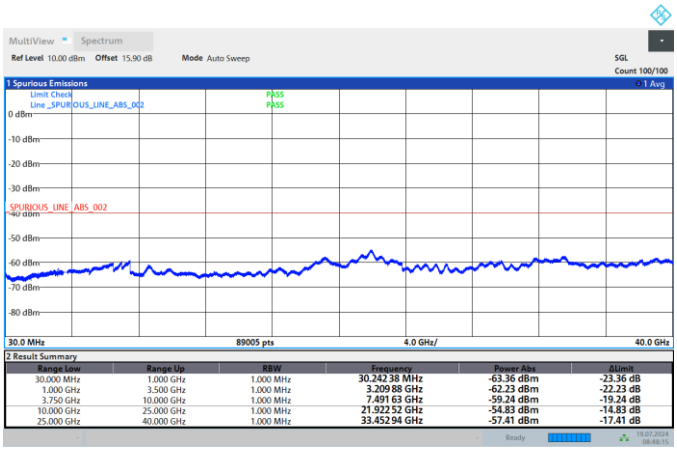
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



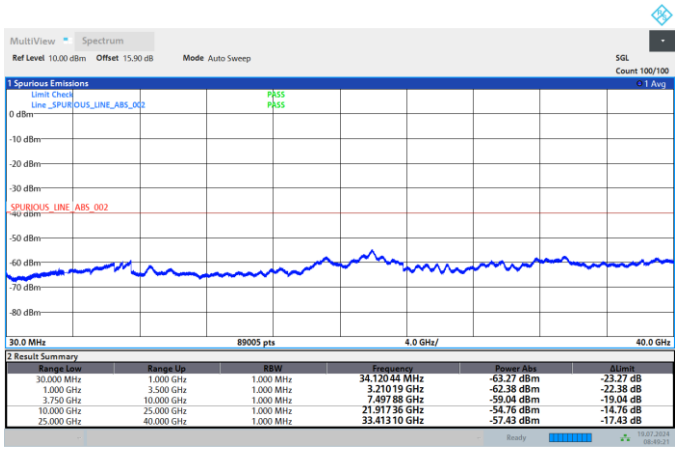
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



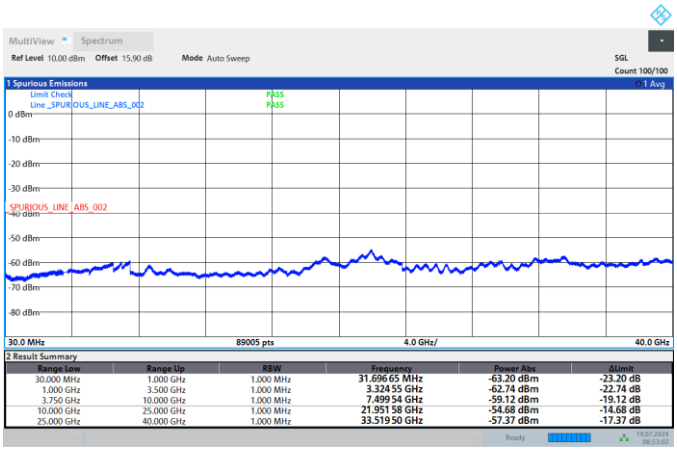
Middle Band Edge / BPSK / 1RBLeft_1RBRight



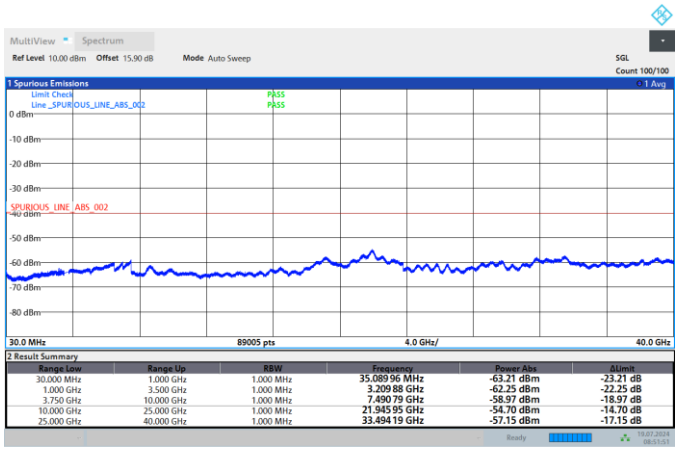
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



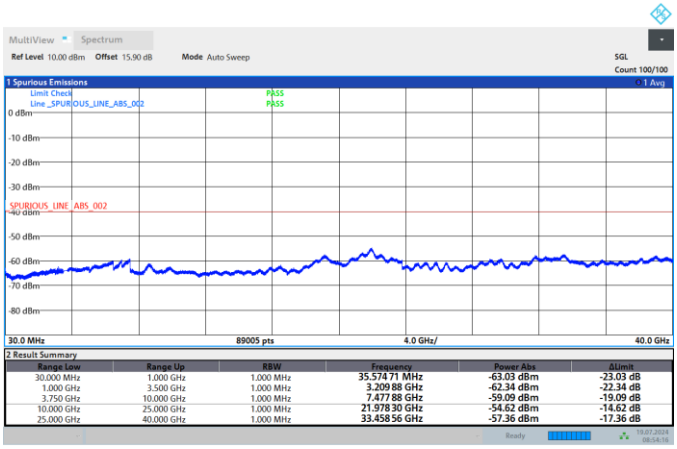
Highest Band Edge /QPSK/ 1RBLeft_1RBRight



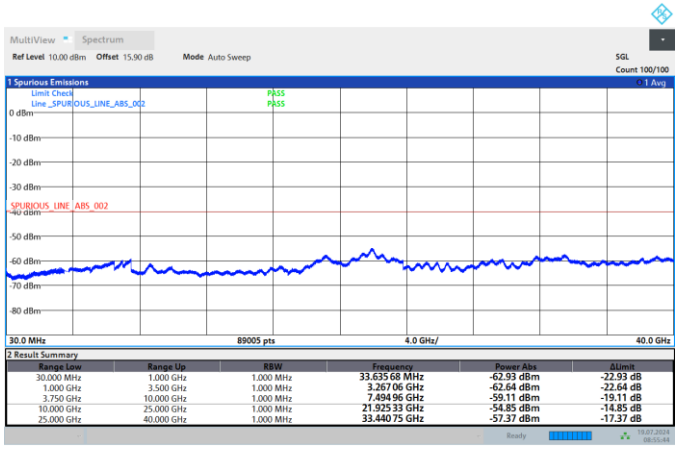
FCC N48B/ 20MHz+10MHz

PCC+SCC Average Power

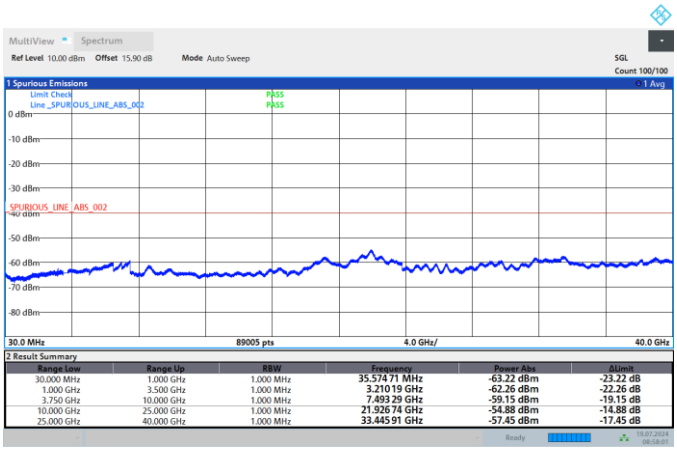
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



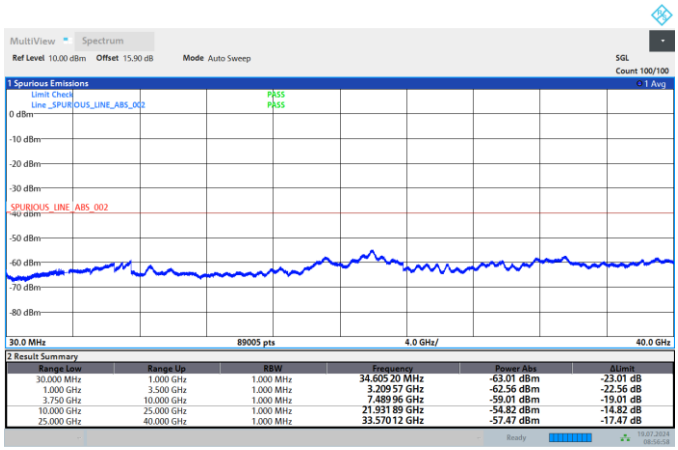
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



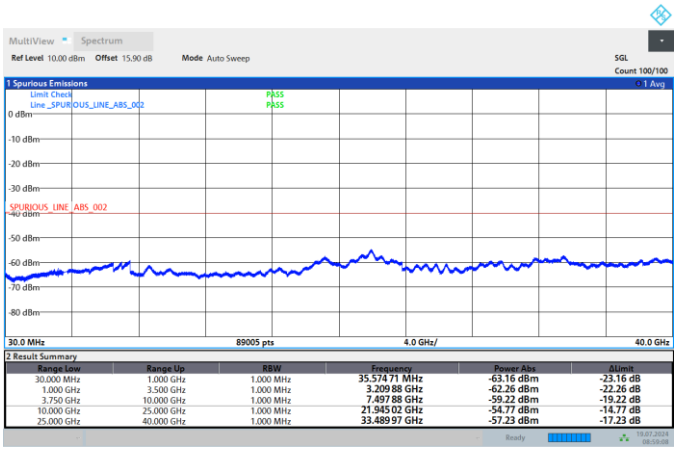
Middle Band Edge / BPSK / 1RBLeft_1RBRight



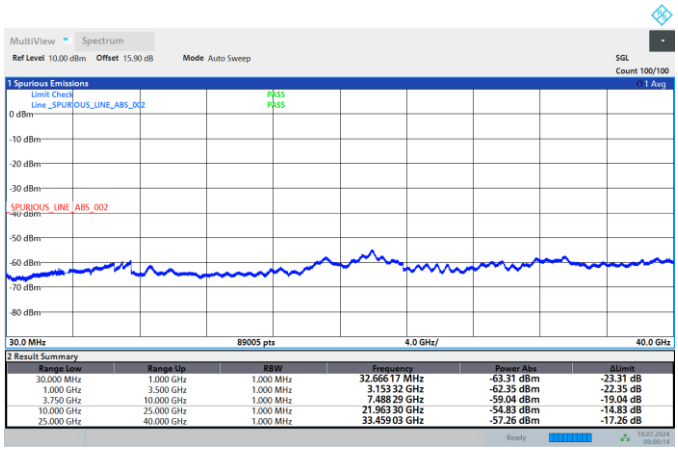
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



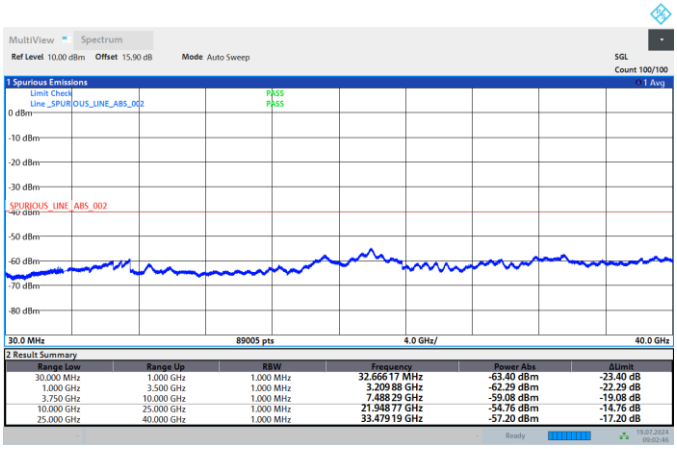
Highest Band Edge /QPSK/ 1RBLeft_1RBRight



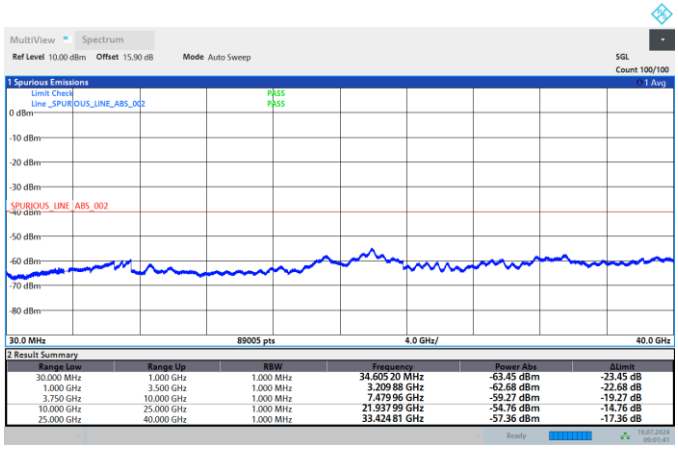
FCC N48B/ 20MHz+20MHz

PCC+SCC Average Power

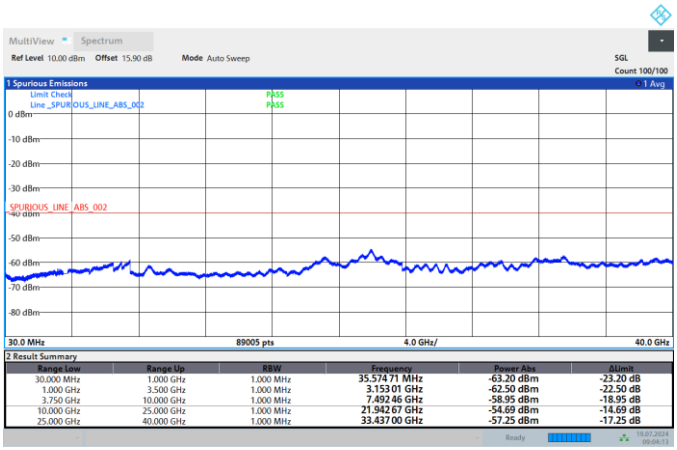
Lowest Band Edge / BPSK / 1RBLeft_1RBRight



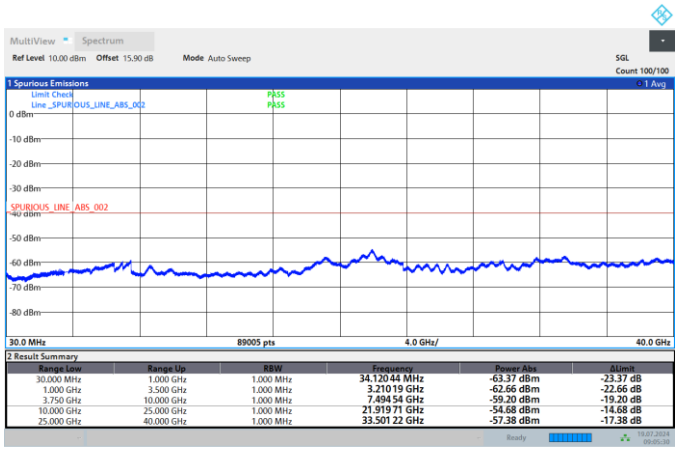
Lowest Band Edge / QPSK / 1RBLeft_1RBRight



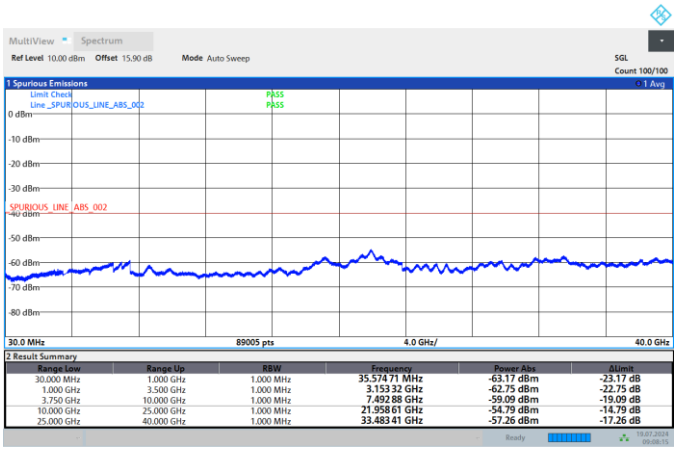
Middle Band Edge / BPSK / 1RBLeft_1RBRight



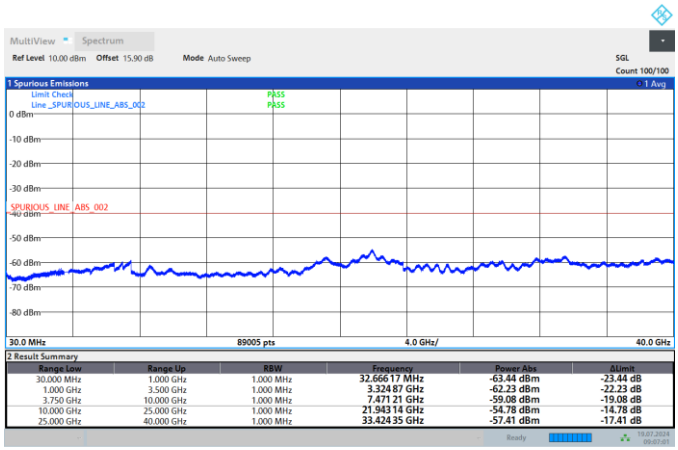
Middle Band Edge / QPSK / 1RBLeft_1RBRight



Highest Band Edge /BPSK/ 1RBLeft_1RBRight



Highest Band Edge /QPSK/ 1RBLeft_1RBRight



FR1 N48AA – SCS 30K

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

Note: NRAA Power test three conditions: LTE Max & NR Min / LTE Min & NR Max / LTE & NR Averaged, the maximum EIRP only show LTE Max, and the other items only test LTE & NR Averaged, due to the LTE Max and NR Max have been tested stand alone mode separately.

<NR MAX Power>

NR Band	SCS	BandWidth	Arfcn/RN	Arfcn/LTE	Freq (MHz)/NR	Freq (MHz) LTE	Modulation	RB	LTE RB	LTE Power	NR Power	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM QPSK	1@1	0@0	-39.64	13	13.00	21.80	0.1514
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM 16 QAM	1@1	0@0	-39.66	13.04	13.04	21.84	0.1528
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM QPSK	1@1	0@0	-39.62	12.11	12.11	20.91	0.1233
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM 16 QAM	1@1	0@0	-39.66	12.17	12.17	20.97	0.1250
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM QPSK	1@1	0@0	-39.64	12.21	12.21	21.01	0.1262
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM 16 QAM	1@1	0@0	-39.78	12.33	12.33	21.13	0.1297
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM QPSK	1@1	0@0	-39.56	12.72	12.72	21.52	0.1419
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM 16 QAM	1@1	0@0	-39.65	12.88	12.88	21.68	0.1472
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM QPSK	1@1	0@0	-39.85	12.14	12.14	20.94	0.1242
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM 16 QAM	1@1	0@0	-39.91	12.65	12.65	21.45	0.1396
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM QPSK	1@1	0@0	-39.69	12.27	12.27	21.07	0.1279
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM 16 QAM	1@1	0@0	-39.65	12.92	12.92	21.72	0.1486
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM QPSK	1@1	0@0	-39.82	13.04	13.04	21.84	0.1528
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM 16 QAM	1@1	0@0	-39.83	13.07	13.07	21.87	0.1538
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM QPSK	1@1	0@0	-39.84	13.6	13.60	22.40	0.1738
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM 16 QAM	1@1	0@0	-39.97	13.16	13.16	21.96	0.1570
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM QPSK	1@1	0@0	-39.47	13.11	13.11	21.91	0.1552
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM 16 QAM	1@1	0@0	-39.7	12.93	12.93	21.73	0.1489
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	50@25	0@0	-39.66	13.15	13.15	21.95	0.1567
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	1@1	0@0	-39.73	13.53	13.53	22.33	0.1710
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	1@104	0@0	-39.76	13.34	13.34	22.14	0.1637
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	50@25	0@0	-39.79	13.23	13.23	22.03	0.1596
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	1@1	0@0	-39.83	12.88	12.88	21.68	0.1472
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	1@104	0@0	-39.82	13.5	13.50	22.30	0.1698
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	50@25	0@0	-39.77	13.24	13.24	22.04	0.1600
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	1@1	0@0	-39.81	12.9	12.90	21.70	0.1479
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	1@104	0@0	-39.92	13.06	13.06	21.86	0.1535
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	50@25	0@0	-39.95	13.16	13.16	21.96	0.1570
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	1@1	0@0	-39.94	12.98	12.98	21.78	0.1507
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	1@104	0@0	-39.9	12.82	12.82	21.62	0.1452
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	50@25	0@0	-39.92	13.56	13.56	22.36	0.1722
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	1@1	0@0	-39.76	12.77	12.77	21.57	0.1435
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	1@104	0@0	-39.83	13	13.00	21.80	0.1514

48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	53@26	0@0	-39.91	13.56	13.56	22.36	0.1722
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	1@1	0@0	-39.81	13.37	13.37	22.17	0.1648
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	1@104	0@0	-39.77	13.24	13.24	22.04	0.1600
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	50@25	0@0	-39.52	12.6	12.60	21.40	0.1380
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	1@1	0@0	-39.56	13.27	13.27	22.07	0.1611
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	1@104	0@0	-39.56	12.63	12.63	21.43	0.1390
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	50@25	0@0	-39.52	13.38	13.38	22.18	0.1652
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	1@1	0@0	-39.47	13.63	13.63	22.43	0.1750
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	1@104	0@0	-39.48	13.16	13.16	21.96	0.1570
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	50@25	0@0	-39.51	13.45	13.45	22.25	0.1679
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	1@1	0@0	-39.45	12.79	12.79	21.59	0.1442
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	1@104	0@0	-39.4	12.22	12.22	21.02	0.1265
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	50@25	0@0	-39.49	12.57	12.57	21.37	0.1371
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	1@1	0@0	-39.47	13.49	13.49	22.29	0.1694
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	1@104	0@0	-39.53	12.49	12.49	21.29	0.1346
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	50@25	0@0	-39.48	12.55	12.55	21.35	0.1365
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	1@1	0@0	-39.44	12.9	12.90	21.70	0.1479
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	1@104	0@0	-39.62	12.44	12.44	21.24	0.1330
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	53@26	0@0	-39.52	12.98	12.98	21.78	0.1507
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	1@1	0@0	-39.43	13.42	13.42	22.22	0.1667
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	1@104	0@0	-39.44	12.62	12.62	21.42	0.1387
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	50@25	0@0	-39.36	12.91	12.91	21.71	0.1483
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	1@1	0@0	-39.49	12.31	12.31	21.11	0.1291
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	1@104	0@0	-39.39	12.79	12.79	21.59	0.1442
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	50@25	0@0	-39.47	12.91	12.91	21.71	0.1483
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	1@1	0@0	-39.59	12.41	12.41	21.21	0.1321
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	1@104	0@0	-39.58	12.44	12.44	21.24	0.1330
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	50@25	0@0	-39.48	12.73	12.73	21.53	0.1422
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	1@1	0@0	-39.44	12.79	12.79	21.59	0.1442
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	1@104	0@0	-39.42	12.36	12.36	21.16	0.1306
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	50@25	0@0	-39.51	12.52	12.52	21.32	0.1355
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	1@1	0@0	-39.5	12.46	12.46	21.26	0.1337
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	1@104	0@0	-39.56	12.54	12.54	21.34	0.1361
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	50@25	0@0	-39.54	12.12	12.12	20.92	0.1236
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	1@1	0@0	-39.53	13.31	13.31	22.11	0.1626

48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	1@104	0@0	-39.58	13.24	13.24	22.04	0.1600
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	53@26	0@0	-39.59	12.64	12.64	21.44	0.1393
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	1@1	0@0	-39.49	12.32	12.32	21.12	0.1294
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	1@104	0@0	-39.42	12.99	12.99	21.79	0.1510

<LTE max Power>

NR Band	SCS	BandWidth	Arfcn/RN	Arfcn/LTE	Freq (MHz)/ NR	Freq (MHz) LTE	Modulation	RB	LTE RB	LTE Power	NR Power	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM QPSK	0@0	1@0	13.02	-49.18	13.02	21.82	0.1521
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM 16 QAM	0@0	1@0	13.03	-48.78	13.03	21.83	0.1524
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM QPSK	0@0	1@0	13.54	-49.34	13.54	22.34	0.1714
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM 16 QAM	0@0	1@0	13.65	-49.14	13.65	22.45	0.1758
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM QPSK	0@0	1@0	13.37	-48.87	13.37	22.17	0.1648
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM 16 QAM	0@0	1@0	13.19	-49.24	13.19	21.99	0.1581
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM QPSK	0@0	1@0	13.61	-49.26	13.61	22.41	0.1742
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM 16 QAM	0@0	1@0	13.11	-48.74	13.11	21.91	0.1552
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM QPSK	0@0	1@0	13.14	-48.93	13.14	21.94	0.1563
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM 16 QAM	0@0	1@0	13.46	-49.1	13.46	22.26	0.1683
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM QPSK	0@0	1@0	13.5	-49.16	13.50	22.30	0.1698
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM 16 QAM	0@0	1@0	13.56	-48.8	13.56	22.36	0.1722
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM QPSK	0@0	1@0	13.63	-49.38	13.63	22.43	0.1750
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM 16 QAM	0@0	1@0	13.4	-49.37	13.40	22.20	0.1660
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM QPSK	0@0	1@0	13.59	-48.82	13.59	22.39	0.1734
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM 16 QAM	0@0	1@0	13.64	-49.33	13.64	22.44	0.1754
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM QPSK	0@0	1@0	13.51	-49.11	13.51	22.31	0.1702
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM 16 QAM	0@0	1@0	13.01	-49.21	13.01	21.81	0.1517
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	0@0	100@0	13.6	-48.82	13.60	22.40	0.1738
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	0@0	1@0	13.27	-49.11	13.27	22.07	0.1611
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	0@0	1@99	13.37	-48.89	13.37	22.17	0.1648
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	0@0	100@0	13.66	-48.91	13.66	22.46	0.1762
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	0@0	1@0	13.57	-49.01	13.57	22.37	0.1726
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	0@0	1@99	13.05	-49.04	13.05	21.85	0.1531
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	0@0	100@0	12.96	-48.96	12.96	21.76	0.1500
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	0@0	1@0	13.13	-49.16	13.13	21.93	0.1560
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	0@0	1@99	12.92	-49.11	12.92	21.72	0.1486
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	0@0	100@0	12.97	-49.11	12.97	21.77	0.1503
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	0@0	1@0	13.48	-49.19	13.48	22.28	0.1690
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	0@0	1@99	13.16	-49.2	13.16	21.96	0.1570
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	0@0	100@0	13.01	-48.85	13.01	21.81	0.1517
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	0@0	1@0	13.61	-48.84	13.61	22.41	0.1742
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	0@0	1@99	13.41	-49.01	13.41	22.21	0.1663

48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	0@0	100@0	13.1	-49.13	13.10	21.90	0.1549
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	0@0	1@0	13.47	-48.84	13.47	22.27	0.1687
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	0@0	1@99	13.38	-49.04	13.38	22.18	0.1652
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	0@0	100@0	13.11	-48.92	13.11	21.91	0.1552
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	0@0	1@0	13.34	-49.21	13.34	22.14	0.1637
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	0@0	1@99	13.32	-48.91	13.32	22.12	0.1629
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	0@0	100@0	13.15	-48.74	13.15	21.95	0.1567
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	0@0	1@0	13.45	-49.14	13.45	22.25	0.1679
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	0@0	1@99	13.1	-49.34	13.10	21.90	0.1549
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	0@0	100@0	12.3	-49.29	12.30	21.10	0.1288
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	0@0	1@0	13.45	-49.15	13.45	22.25	0.1679
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	0@0	1@99	12.97	-49	12.97	21.77	0.1503
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	0@0	100@0	13.42	-49.08	13.42	22.22	0.1667
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	0@0	1@0	12.99	-48.86	12.99	21.79	0.1510
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	0@0	1@99	13.23	-48.91	13.23	22.03	0.1596
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	0@0	100@0	12.82	-48.77	12.82	21.62	0.1452
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	0@0	1@0	13.16	-48.79	13.16	21.96	0.1570
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	0@0	1@99	13.06	-49.27	13.06	21.86	0.1535
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	0@0	100@0	13.13	-49.25	13.13	21.93	0.1560
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	0@0	1@0	13.37	-48.73	13.37	22.17	0.1648
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	0@0	1@99	13	-48.91	13.00	21.80	0.1514
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	0@0	100@0	13.11	-48.95	13.11	21.91	0.1552
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	0@0	1@0	13.24	-48.77	13.24	22.04	0.1600
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	0@0	1@99	13.17	-48.97	13.17	21.97	0.1574
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	0@0	100@0	13.36	-49.03	13.36	22.16	0.1644
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	0@0	1@0	12.91	-49.2	12.91	21.71	0.1483
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	0@0	1@99	13.27	-49.19	13.27	22.07	0.1611
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	0@0	100@0	12.91	-48.95	12.91	21.71	0.1483
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	0@0	1@0	13.19	-48.74	13.19	21.99	0.1581
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	0@0	1@99	13.3	-48.97	13.30	22.10	0.1622
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	0@0	100@0	12.77	-49	12.77	21.57	0.1435
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	0@0	1@0	13.28	-49.17	13.28	22.08	0.1614
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	0@0	1@99	13.5	-48.95	13.50	22.30	0.1698
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	0@0	100@0	13.16	-48.86	13.16	21.96	0.1570
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	0@0	1@0	13.3	-48.86	13.30	22.10	0.1622

48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	0@0	1@99	13.22	-49.01	13.22	22.02	0.1592
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	0@0	100@0	13.18	-48.82	13.18	21.98	0.1578
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	0@0	1@0	13.5	-48.87	13.50	22.30	0.1698
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	0@0	1@99	13.16	-49.02	13.16	21.96	0.1570

<Average Power>

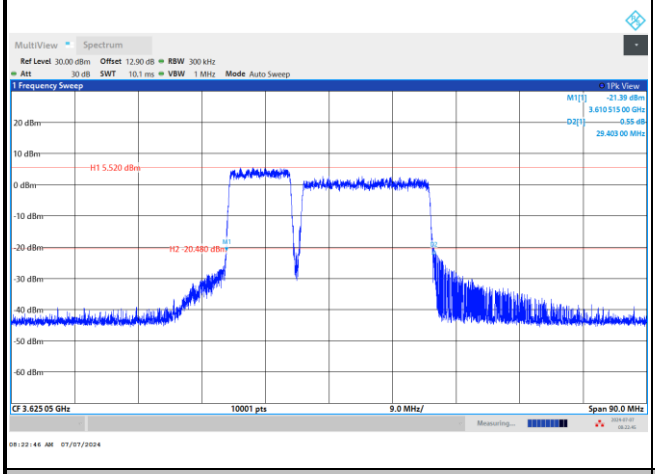
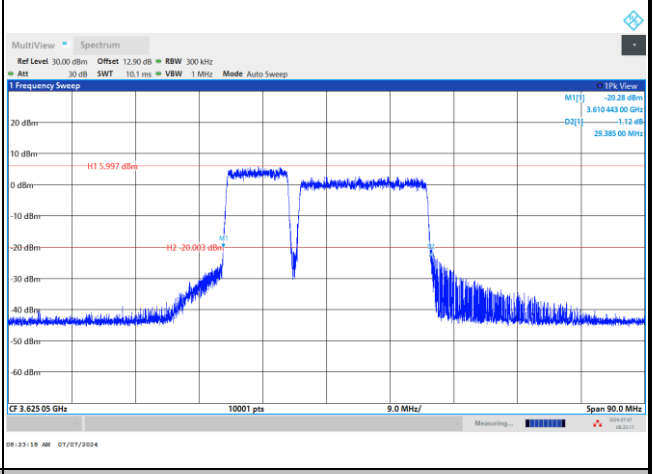
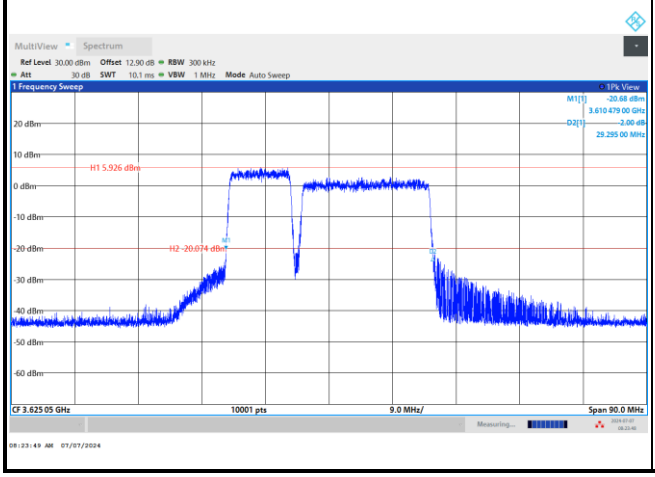
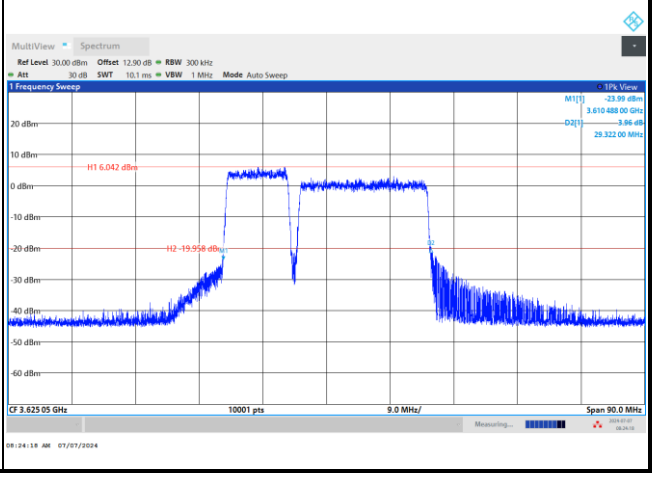
NR Band	SCS	BandWidth	Arfcn/RN	Arfcn/LTE	Freq (MHz)/ NR	Freq (MHz) LTE	Modulation	RB	LTE RB	LTE Power	NR Power	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM QPSK	1@1	1@0	9.13	9.71	12.44	21.24	0.1330
48AA	30	10+20	637000	55440	3555	3570	DFT-s-OFDM 16 QAM	1@1	1@0	9.09	9.57	12.35	21.15	0.1302
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM QPSK	1@1	1@0	9.07	9.59	12.35	21.15	0.1303
48AA	30	10+20	641020	56043	3615.3	3630.3	DFT-s-OFDM 16 QAM	1@1	1@0	9.02	9.37	12.21	21.01	0.1261
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM QPSK	1@1	1@0	9.15	9.27	12.22	21.02	0.1265
48AA	30	10+20	646320	56538	3694.8	3679.8	DFT-s-OFDM 16 QAM	1@1	1@0	9.2	10.03	12.65	21.45	0.1395
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM QPSK	1@1	1@0	9.9	9.84	12.88	21.68	0.1472
48AA	30	15+20	637180	55492	3557.7	3575.2	DFT-s-OFDM 16 QAM	1@1	1@0	9.18	9.59	12.40	21.20	0.1318
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM QPSK	1@1	1@0	9.02	9.56	12.31	21.11	0.1291
48AA	30	15+20	641020	56068	3615.3	3632.8	DFT-s-OFDM 16 QAM	1@1	1@0	9.8	9.74	12.78	21.58	0.1439
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM QPSK	1@1	1@0	9.12	9.51	12.33	21.13	0.1297
48AA	30	15+20	646160	56489	3692.4	3674.9	DFT-s-OFDM 16 QAM	1@1	1@0	9.01	8.99	12.01	20.81	0.1205
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM QPSK	1@1	1@0	4.39	5.09	7.76	16.56	0.0453
48AA	30	20+20	637346	55542	3560.19	3580.2	DFT-s-OFDM 16 QAM	1@1	1@0	4.24	5.15	7.73	16.53	0.0450
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM QPSK	1@1	1@0	4.21	5.16	7.72	16.52	0.0449
48AA	30	20+20	641006	56091	3615.09	3635.1	DFT-s-OFDM 16 QAM	1@1	1@0	4.16	5.6	7.95	16.75	0.0473
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM QPSK	1@1	1@0	4.18	5.7	8.02	16.82	0.0480
48AA	30	20+20	645994	56439	3689.91	3669.9	DFT-s-OFDM 16 QAM	1@1	1@0	4.13	5.46	7.86	16.66	0.0463
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	50@25	100@0	10.01	10.06	13.05	21.85	0.1529
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	1@1	1@0	9.21	10.12	12.70	21.50	0.1412
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM PI/2 BPSK	1@104	1@99	9.02	10.03	12.56	21.36	0.1369
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	50@25	100@0	10.27	10.19	13.24	22.04	0.1600
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	1@1	1@0	9.57	10.16	12.89	21.69	0.1474
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM QPSK	1@104	1@99	10.15	9.58	12.88	21.68	0.1474
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	50@25	100@0	10.4	10.19	13.31	22.11	0.1624
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	1@1	1@0	9.32	9.57	12.46	21.26	0.1336
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 16 QAM	1@104	1@99	9.25	9.93	12.61	21.41	0.1385
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	50@25	100@0	10.11	10.07	13.10	21.90	0.1549
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	1@1	1@0	9.39	8.32	11.90	20.70	0.1174
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 64 QAM	1@104	1@99	9.25	8.97	12.12	20.92	0.1237
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	50@25	100@0	10.01	10.09	13.06	21.86	0.1535
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	1@1	1@0	9.28	9.39	12.35	21.15	0.1302
48AA	30	40+20	638000	55740	3570	3600	DFT-s-OFDM 256 QAM	1@104	1@99	9.21	9.23	12.23	21.03	0.1268

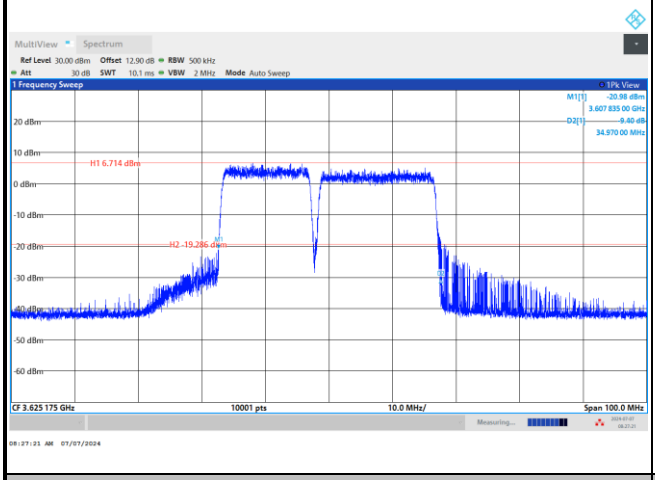
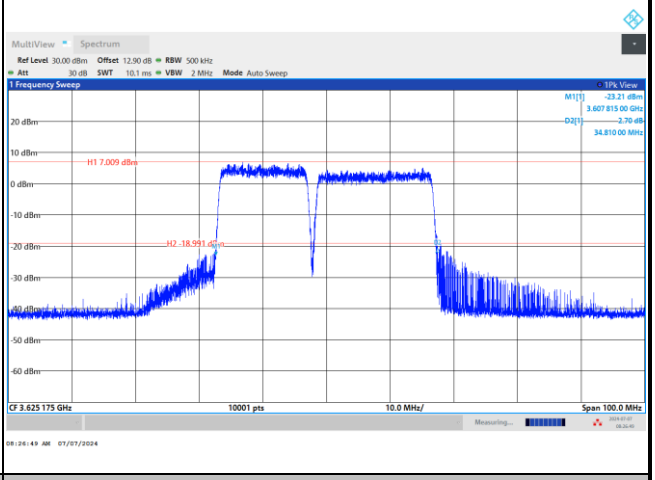
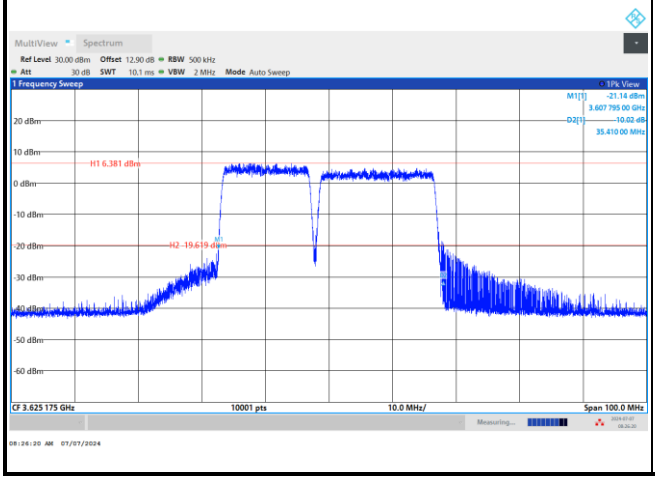
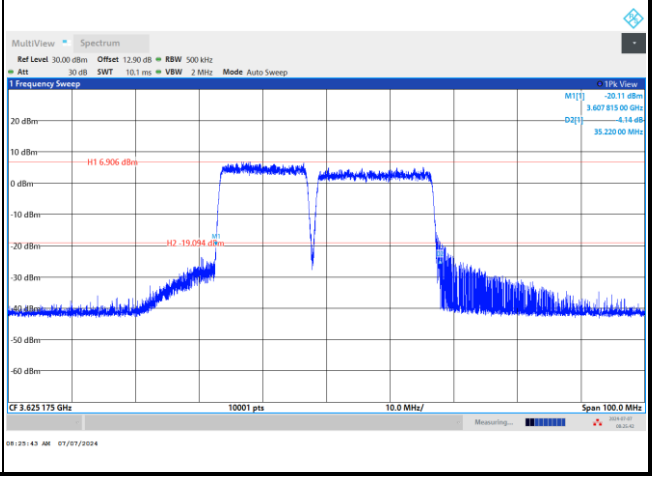
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	53@26	100@0	10.19	10.01	13.11	21.91	0.1553
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	1@1	1@0	9.47	9.84	12.67	21.47	0.1403
48AA	30	40+20	638000	55740	3570	3600	CP-OFDM QPSK	1@104	1@99	9.61	9.76	12.70	21.50	0.1411
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	50@25	100@0	10.14	10.78	13.48	22.28	0.1691
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	1@1	1@0	9.03	9.09	12.07	20.87	0.1222
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM PI/2 BPSK	1@104	1@99	9.22	9.77	12.51	21.31	0.1353
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	50@25	100@0	10.12	10.73	13.45	22.25	0.1677
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	1@1	1@0	9.12	10.1	12.65	21.45	0.1396
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM QPSK	1@104	1@99	9.12	9.94	12.56	21.36	0.1368
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	50@25	100@0	10.11	9.18	12.68	21.48	0.1406
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	1@1	1@0	9.23	10.04	12.66	21.46	0.1401
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 16 QAM	1@104	1@99	9.2	9.75	12.49	21.29	0.1347
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	50@25	100@0	10.22	10.01	13.13	21.93	0.1558
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	1@1	1@0	9.28	10.01	12.67	21.47	0.1403
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 64 QAM	1@104	1@99	9.24	9.94	12.61	21.41	0.1385
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	50@25	100@0	10.22	10.11	13.18	21.98	0.1576
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	1@1	1@0	9.38	9.86	12.64	21.44	0.1392
48AA	30	40+20	641000	56190	3615	3645	DFT-s-OFDM 256 QAM	1@104	1@99	9.22	10.11	12.70	21.50	0.1412
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	53@26	100@0	10.27	10.31	13.30	22.10	0.1622
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	1@1	1@0	9.29	9.17	12.24	21.04	0.1271
48AA	30	40+20	641000	56190	3615	3645	CP-OFDM QPSK	1@104	1@99	9.26	9.94	12.62	21.42	0.1388
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	50@25	100@0	10.16	10.28	13.23	22.03	0.1596
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	1@1	1@0	9.32	9.48	12.41	21.21	0.1322
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM PI/2 BPSK	1@104	1@99	9.16	9.42	12.30	21.10	0.1289
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	50@25	100@0	10.8	10.33	13.58	22.38	0.1730
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	1@1	1@0	9.1	9.38	12.25	21.05	0.1274
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM QPSK	1@104	1@99	9.95	9.43	12.71	21.51	0.1415
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	50@25	100@0	10.01	10.37	13.20	22.00	0.1586
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	1@1	1@0	9.98	9.56	12.79	21.59	0.1441
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 16 QAM	1@104	1@99	9.04	9.64	12.36	21.16	0.1306
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	50@25	100@0	10.13	10.29	13.22	22.02	0.1593
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	1@1	1@0	9.1	9.1	12.11	20.91	0.1233
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 64 QAM	1@104	1@99	9.92	9.53	12.74	21.54	0.1426
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	50@25	100@0	10.87	10.25	13.58	22.38	0.1730
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	1@1	1@0	9.95	9.22	12.61	21.41	0.1384

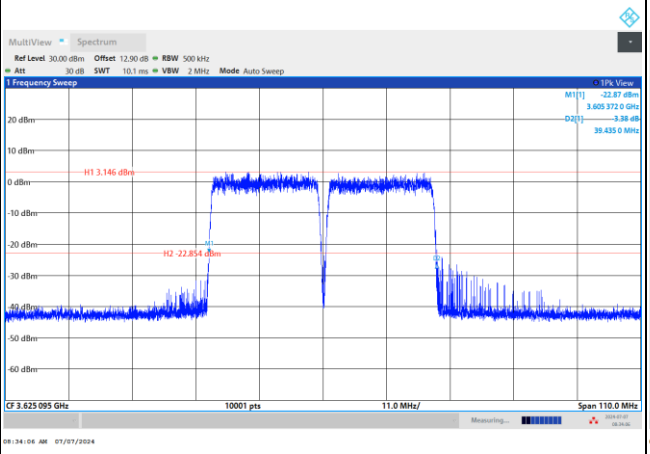
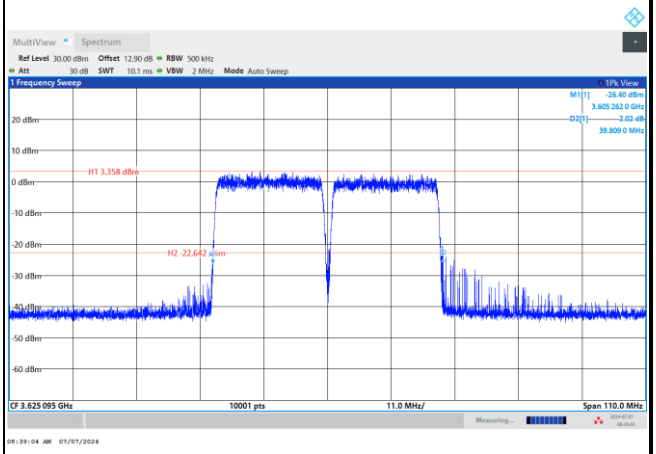
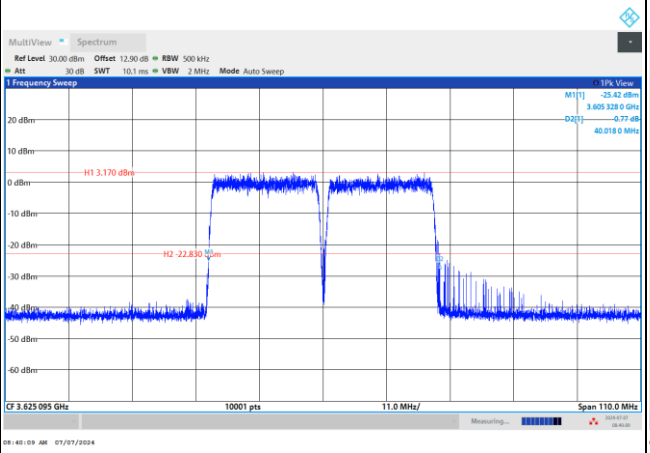
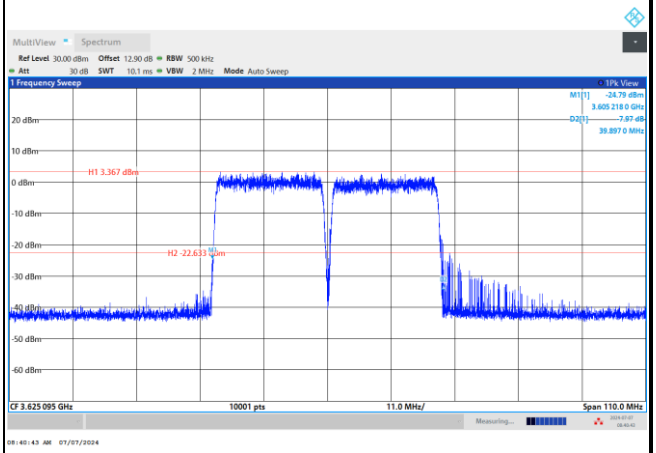
48AA	30	40+20	645320	56238	3679.8	3649.8	DFT-s-OFDM 256 QAM	1@104	1@99	9.09	8.35	11.75	20.55	0.1134
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	53@26	100@0	10	10.35	13.19	21.99	0.1581
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	1@1	1@0	9.81	9.75	12.79	21.59	0.1442
48AA	30	40+20	645320	56238	3679.8	3649.8	CP-OFDM QPSK	1@104	1@99	9.03	9.59	12.33	21.13	0.1297

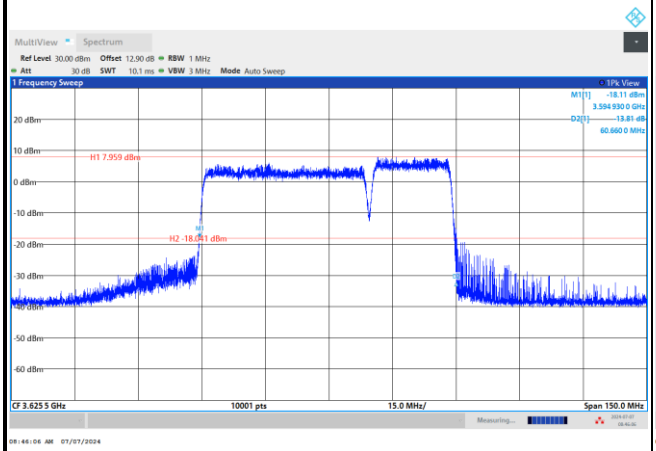
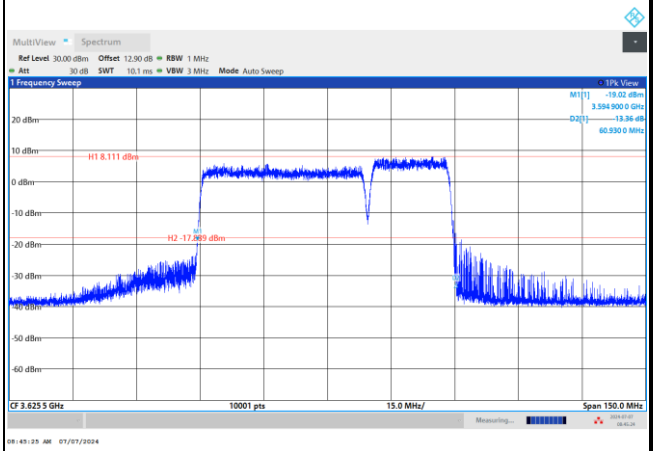
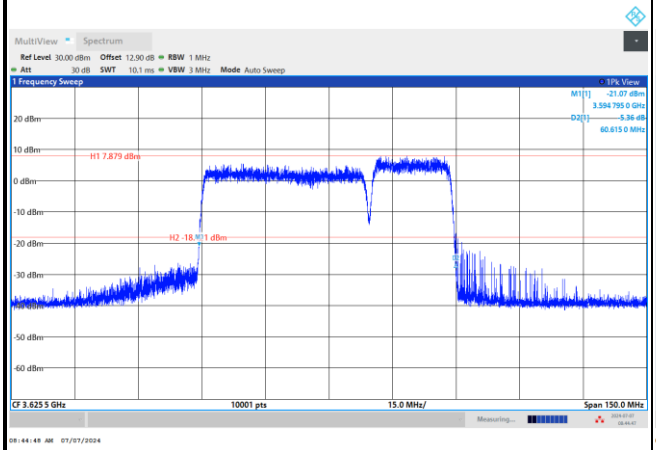
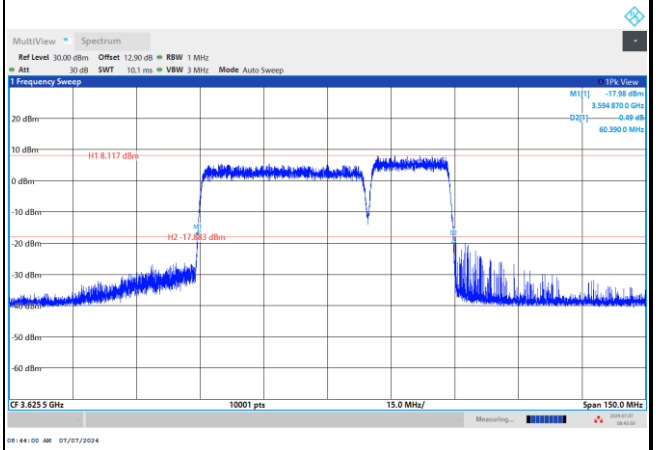
26dB Bandwidth

Mode	FR1 n48AA : 26dB BW(MHz) / CP-OFDM			
BW	10M+20M	10M+20M	10M+20M	10M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	29.40	29.39	29.30	29.32
Mode	FR1 n48AA : 26dB BW(MHz) / CP-OFDM			
BW	15M+20M	15M+20M	15M+20M	15M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	34.97	34.81	35.41	35.22
Mode	FR1 n48AA : 26dB BW(MHz) / CP-OFDM			
BW	20M+20M	20M+20M	20M+20M	20M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	39.44	39.81	40.02	39.90
Mode	FR1 n48AA : 26dB BW(MHz) / CP-OFDM			
BW	40M+20M	40M+20M	40M+20M	40M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.66	60.93	60.62	60.39

FR1 n48AA / 10MHz+20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

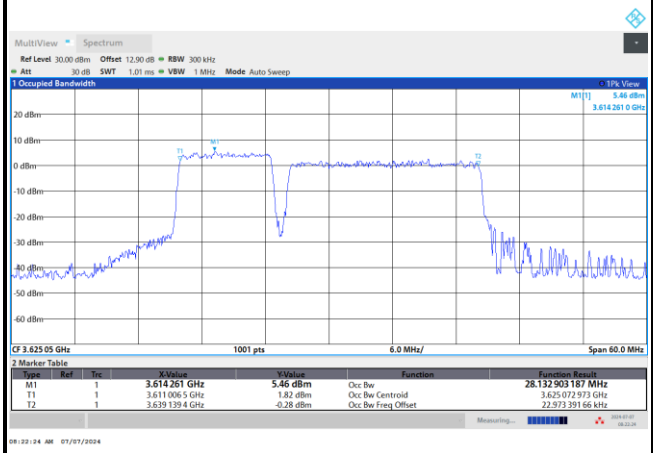
FR1 n48AA / 15MHz+20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n48AA / 20MHz+20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

FR1 n48AA / 40MHz+20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**
	

Occupied Bandwidth

Mode	FR1 n48AA : OB BW(MHz) / CP-OFDM			
BW	10M+20M	10M+20M	10M+20M	10M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.13	28.09	28.10	28.11
Mode	FR1 n48AA : OB BW(MHz) / CP-OFDM			
BW	15M+20M	15M+20M	15M+20M	15M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	33.06	33.07	33.07	33.11
Mode	FR1 n48AA : OB BW(MHz) / CP-OFDM			
BW	20M+20M	20M+20M	20M+20M	20M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.92	37.91	37.92	37.93
Mode	FR1 n48AA : OB BW(MHz) / CP-OFDM			
BW	40M+20M	40M+20M	40M+20M	40M+20M
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	57.85	57.74	57.70	57.71

FR1 n48AA / 10MHz+20MHz / CP-OFDM	
QPSK	**16QAM**
Middle Channel	**Middle Channel**
	
64QAM	**256QAM**
Middle Channel	**Middle Channel**