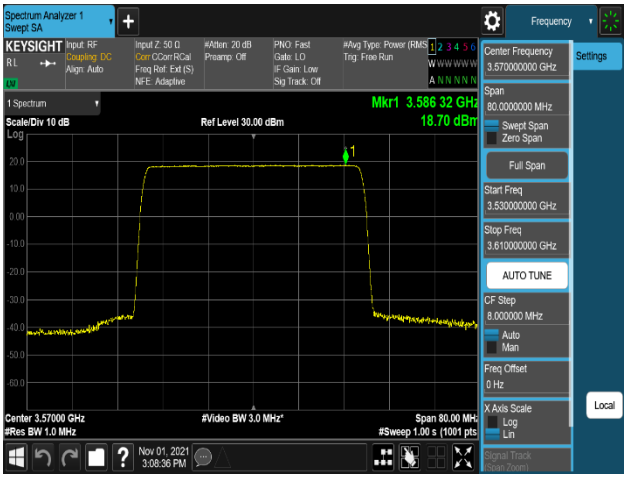
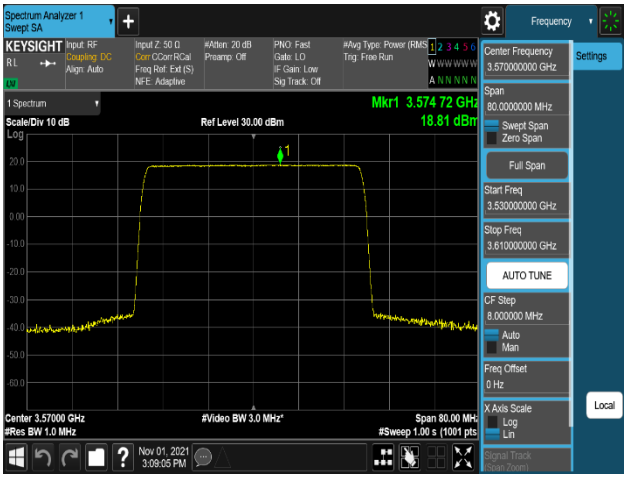
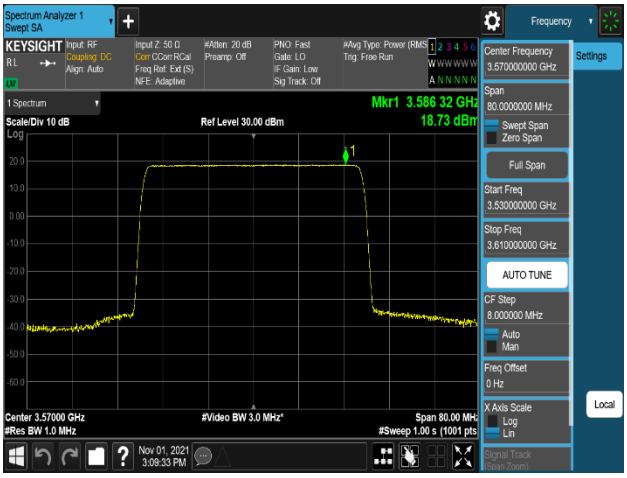


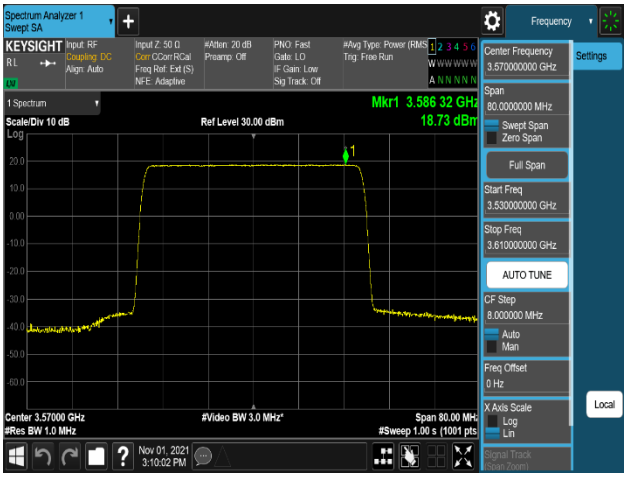
Plot 8-59. Power Spectral Density Plot
(NR_n48_1C_40M_256QAM - Low Channel, Port 0)



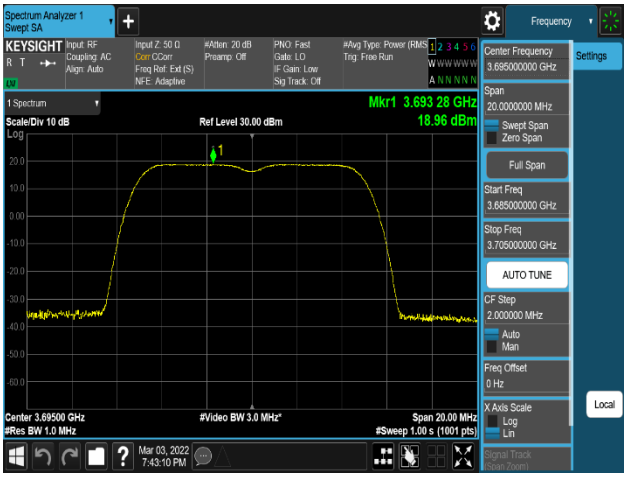
Plot 8-60. Power Spectral Density Plot
(NR_n48_1C_40M_256QAM - Low Channel, Port 1)



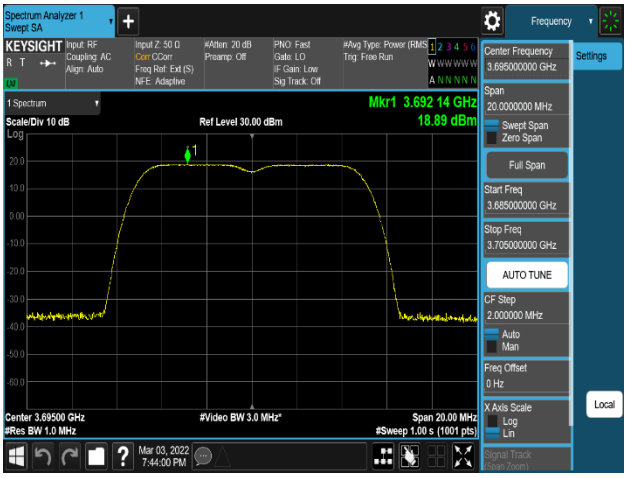
Plot 8-61. Power Spectral Density Plot
(NR_n48_1C_40M_256QAM - Low Channel, Port 2)



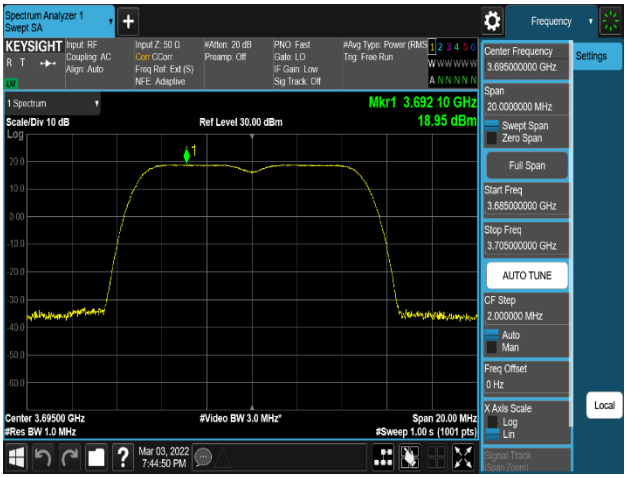
Plot 8-62. Power Spectral Density Plot
(NR_n48_1C_40M_256QAM - Low Channel, Port 3)



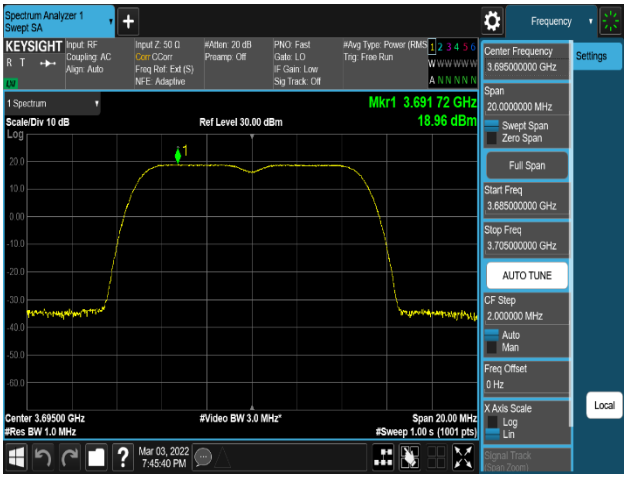
Plot 8-63. Power Spectral Density Plot
(LTE_B48_2C_5M+5M_16QAM - High Channel, Port 0)



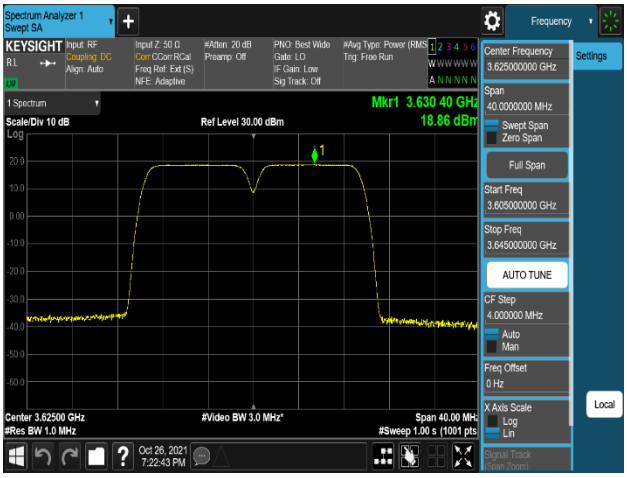
Plot 8-64. Power Spectral Density Plot
(LTE_B48_2C_5M+5M_16QAM - High Channel, Port 1)



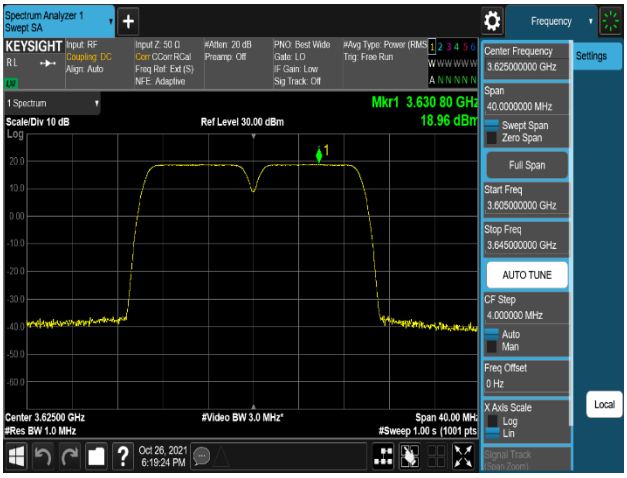
Plot 8-65. Power Spectral Density Plot
(LTE_B48_2C_5M+5M_16QAM - High Channel, Port 2)



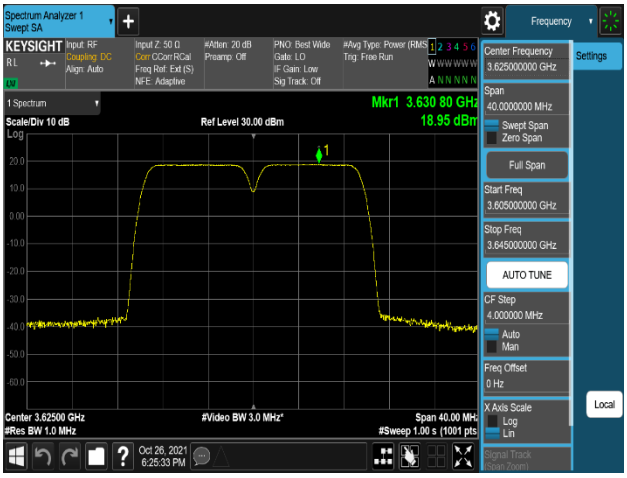
Plot 8-66. Power Spectral Density Plot
(LTE_B48_2C_5M+5M_16QAM - High Channel, Port 3)



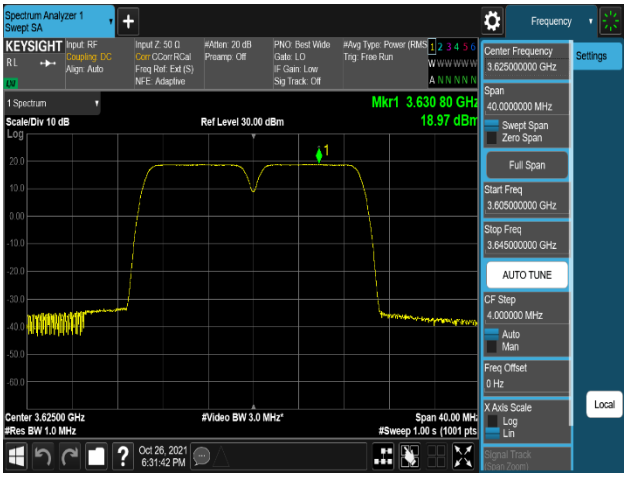
Plot 8-67. Power Spectral Density Plot
(NR_n48_2C_10M+10M_256QAM – Mid Channel, Port 0)



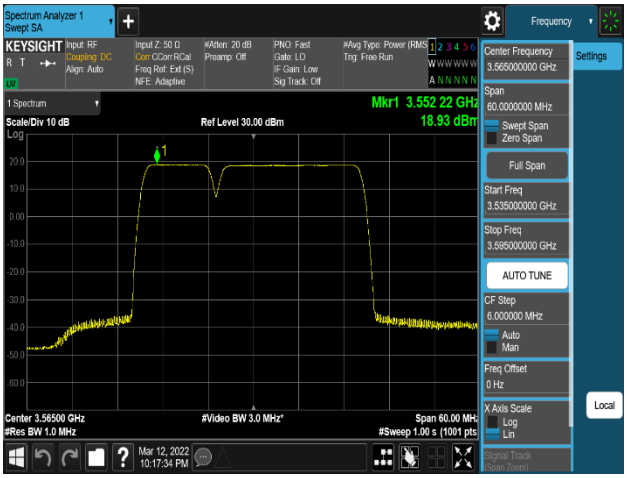
Plot 8-68. Power Spectral Density Plot
(NR_n48_2C_10M+10M_256QAM – Mid Channel, Port 1)



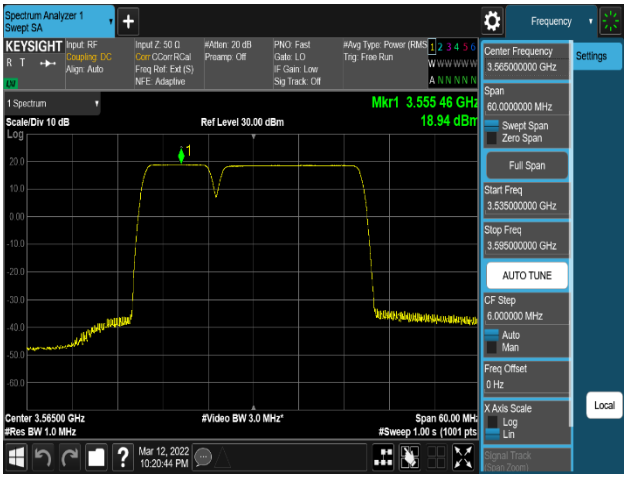
Plot 8-69. Power Spectral Density Plot
(NR_n48_2C_10M+10M_256QAM – Mid Channel, Port 2)



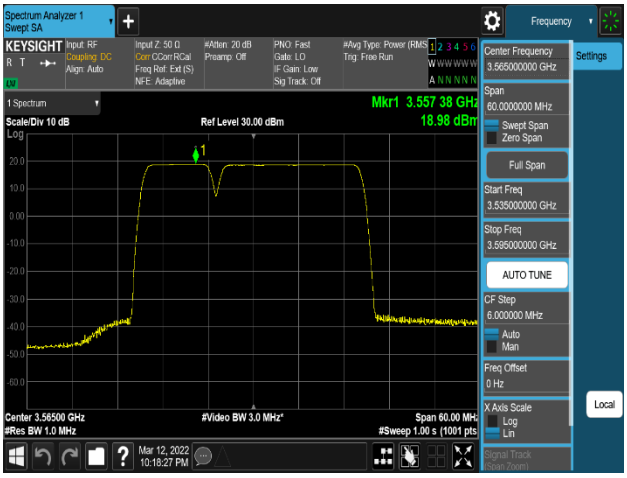
Plot 8-70. Power Spectral Density Plot
(NR_n48_2C_10M+10M_256QAM – Mid Channel, Port 3)



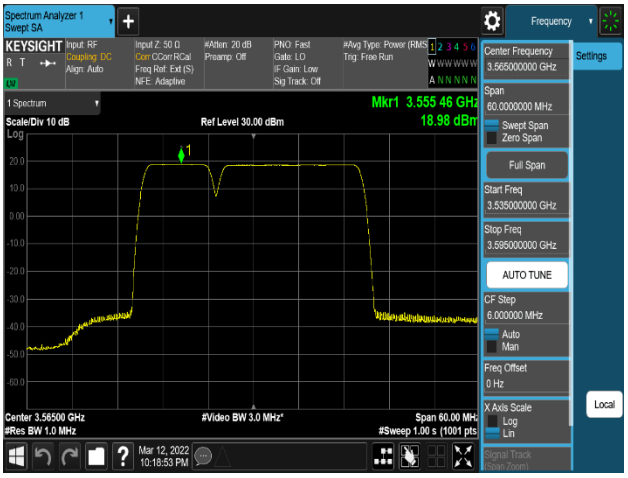
Plot 8-71. Power Spectral Density Plot
(NR_n48_2C_10M+20M_QPSK – Low Channel, Port 0)



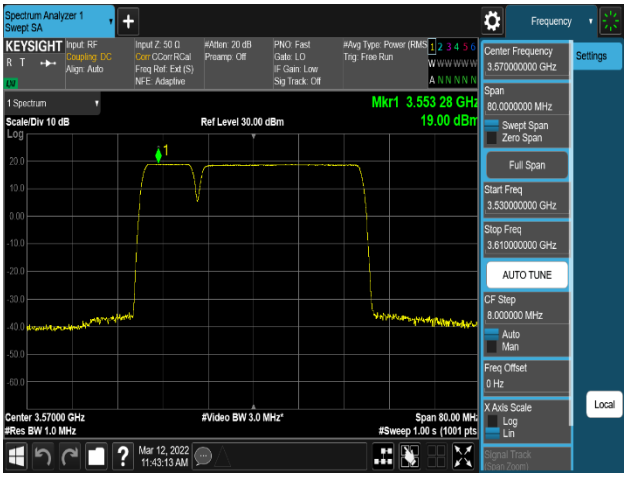
Plot 8-72. Power Spectral Density Plot
(NR_n48_2C_10M+20M_QPSK – Low Channel, Port 1)



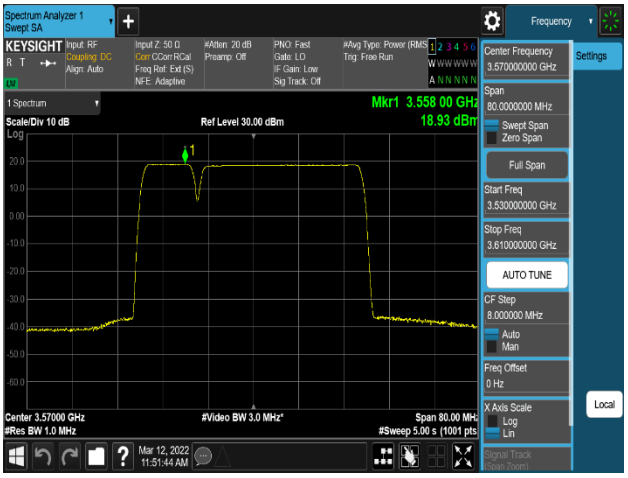
Plot 8-73. Power Spectral Density Plot
(NR_n48_2C_10M+20M_QPSK – Low Channel, Port 2)



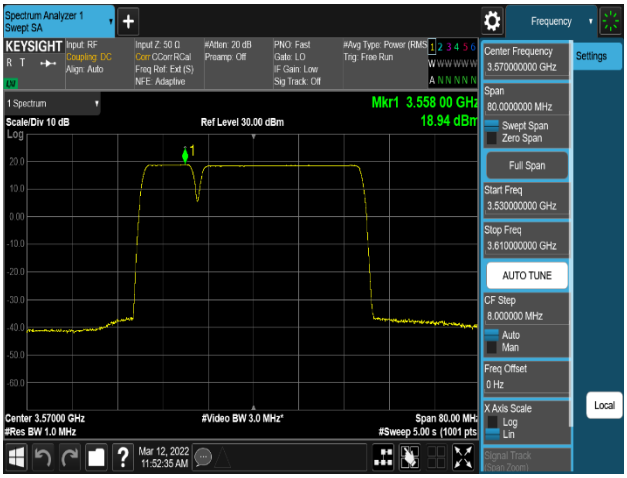
Plot 8-74. Power Spectral Density Plot
(NR_n48_2C_10M+20M_QPSK – Low Channel, Port 3)



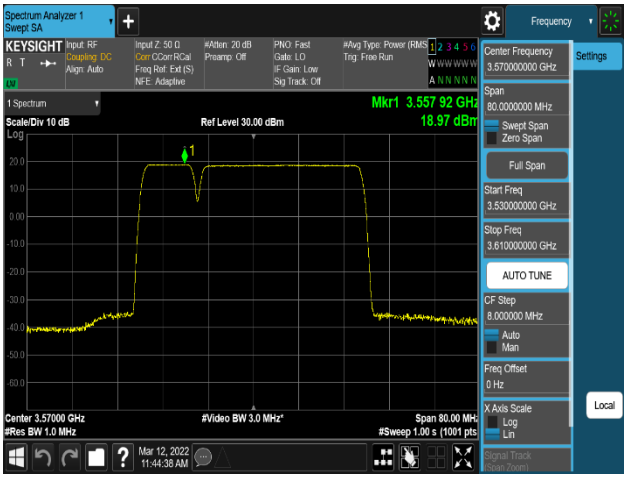
Plot 8-75. Power Spectral Density Plot
(NR_n48_2C_10M+30M_64QAM – Low Channel, Port 0)



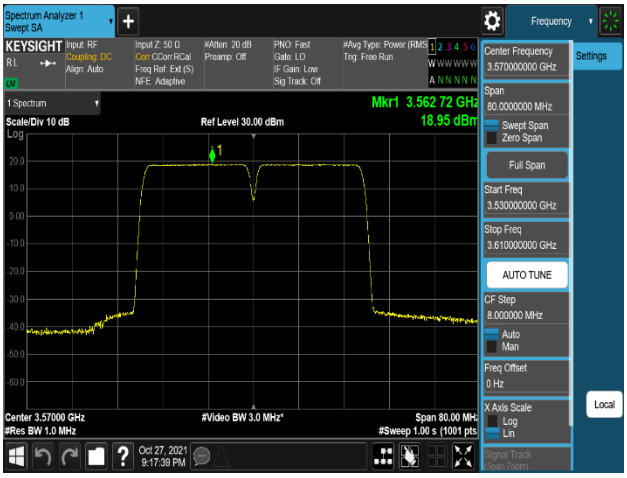
Plot 8-76. Power Spectral Density Plot
(NR_n48_2C_10M+30M_64QAM – Low Channel, Port 1)



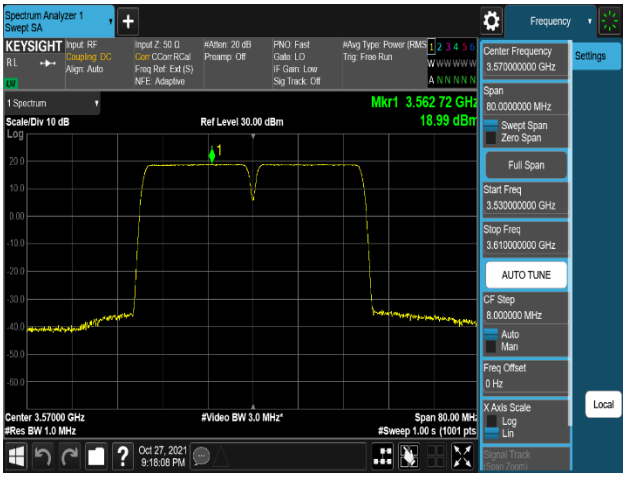
Plot 8-77. Power Spectral Density Plot
(NR_n48_2C_10M+30M_16QAM – Low Channel, Port 2)



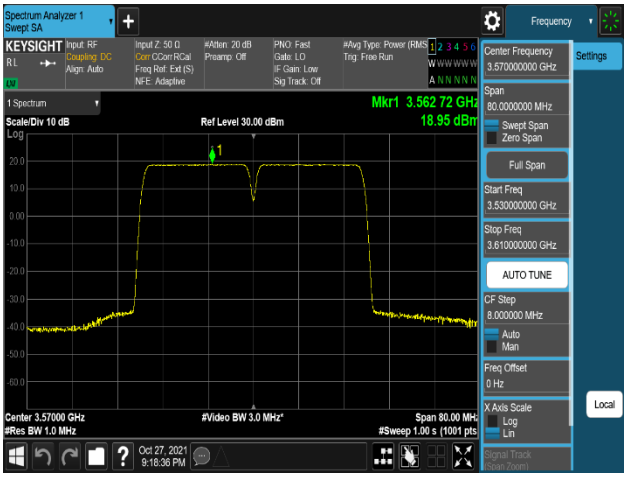
Plot 8-78. Power Spectral Density Plot
(NR_n48_2C_10M+30M_16QAM – Low Channel, Port 3)



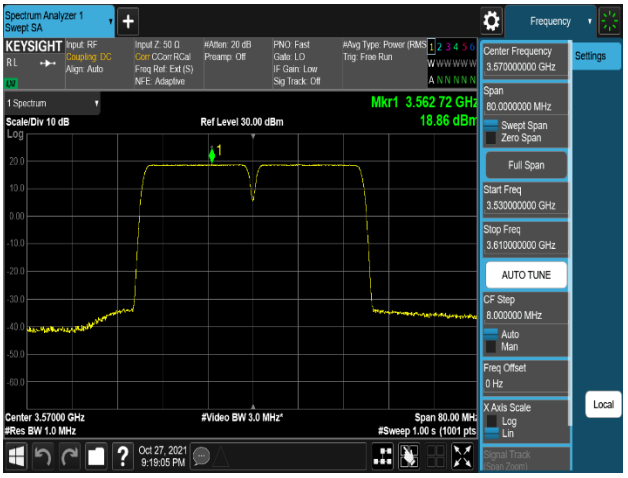
Plot 8-79. Power Spectral Density Plot
(NR_n48_2C_20M+20M_64QAM – Low Channel, Port 0)



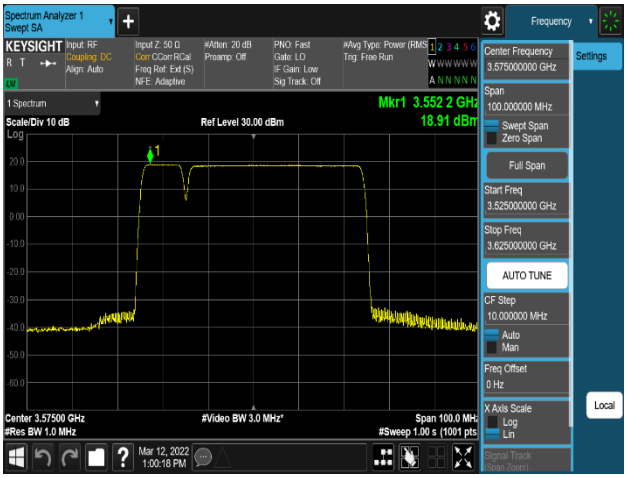
Plot 8-80. Power Spectral Density Plot
(NR_n48_2C_20M+20M_64QAM – Low Channel, Port 1)



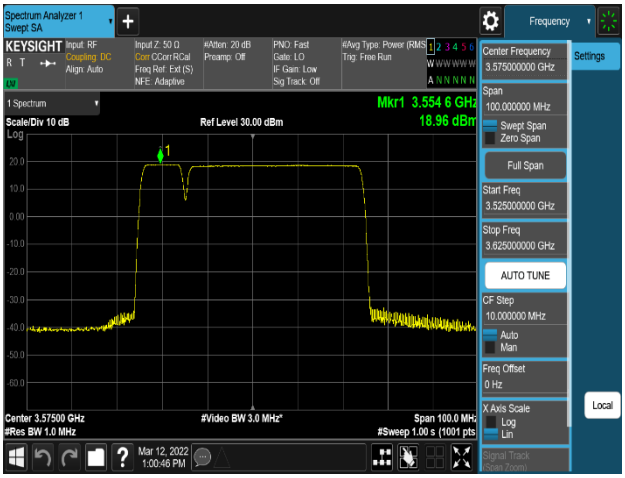
Plot 8-81. Power Spectral Density Plot
(NR_n48_2C_20M+20M_64QAM – Low Channel, Port 2)



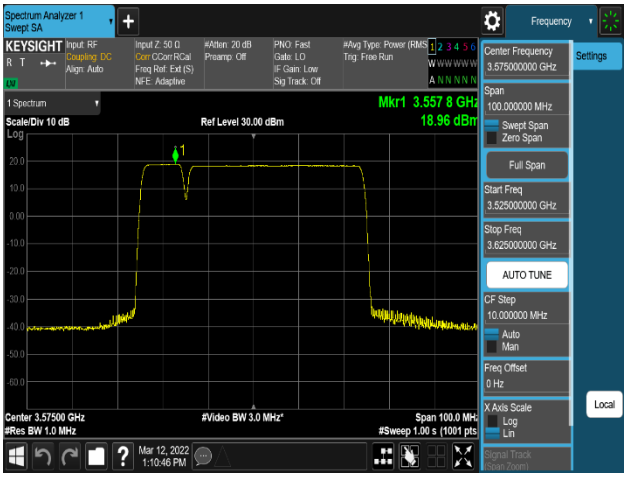
Plot 8-82. Power Spectral Density Plot
(NR_n48_2C_20M+20M_64QAM – Low Channel, Port 3)



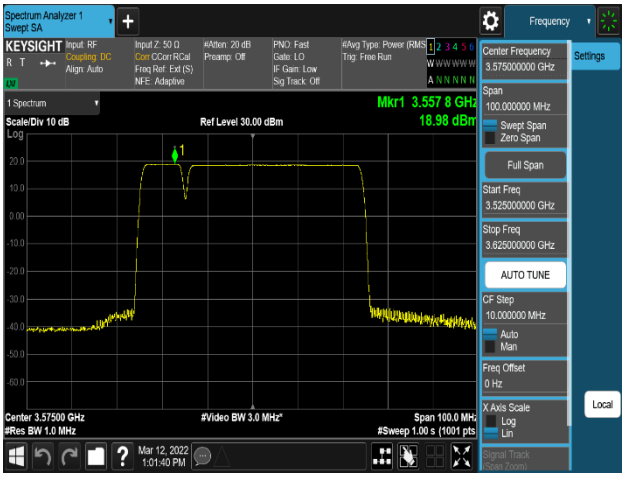
Plot 8-83. Power Spectral Density Plot
(NR_n48_2C_10M+40M_QPSK – Low Channel, Port 0)



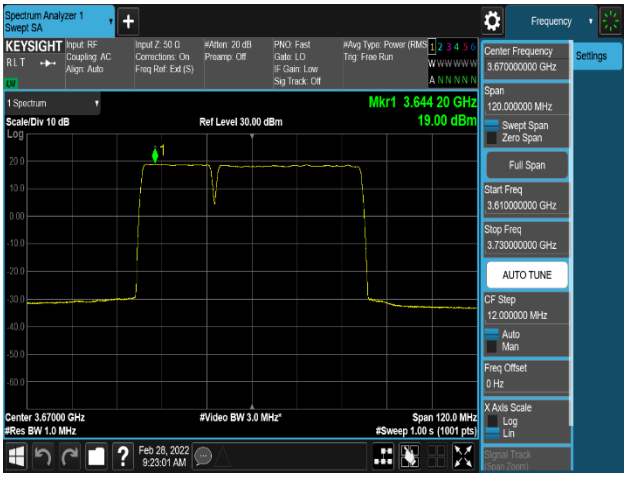
Plot 8-84. Power Spectral Density Plot
(NR_n48_2C_10M+40M_QPSK – Low Channel, Port 1)



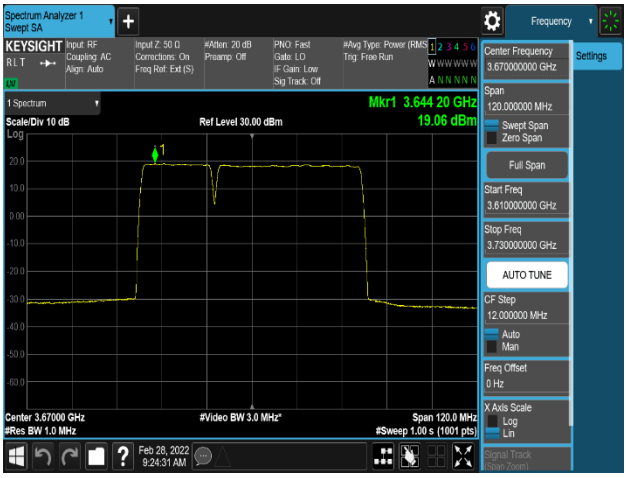
Plot 8-85. Power Spectral Density Plot
(NR_n48_2C_10M+40M_QPSK – Low Channel, Port 2)



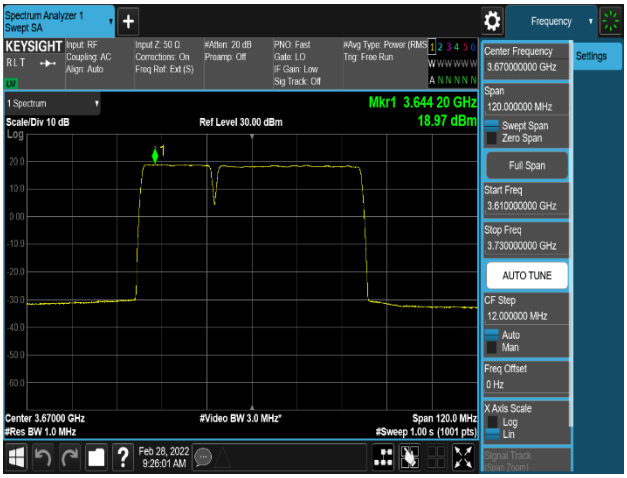
Plot 8-86. Power Spectral Density Plot
(NR_n48_2C_10M+40M_QPSK – Low Channel, Port 3)



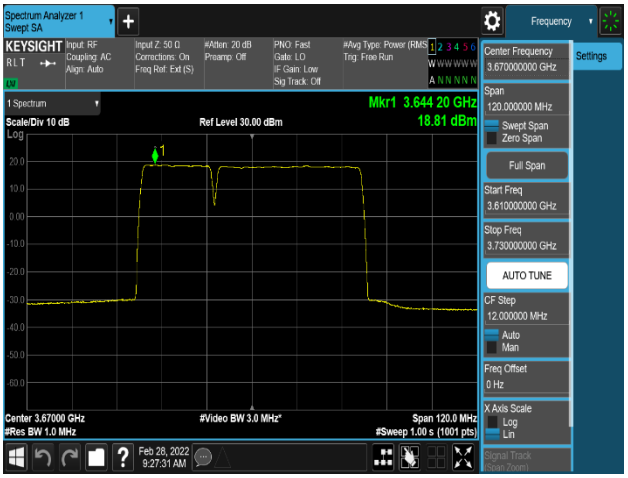
Plot 8-87. Power Spectral Density Plot
(NR_n48_2C_20M+40M_16QAM – High Channel, Port 0)



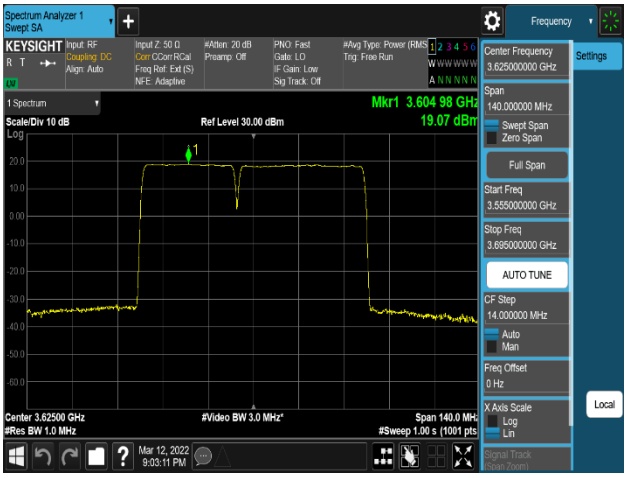
Plot 8-88. Power Spectral Density Plot
(NR_n48_2C_20M+40M_16QAM – High Channel, Port 1)



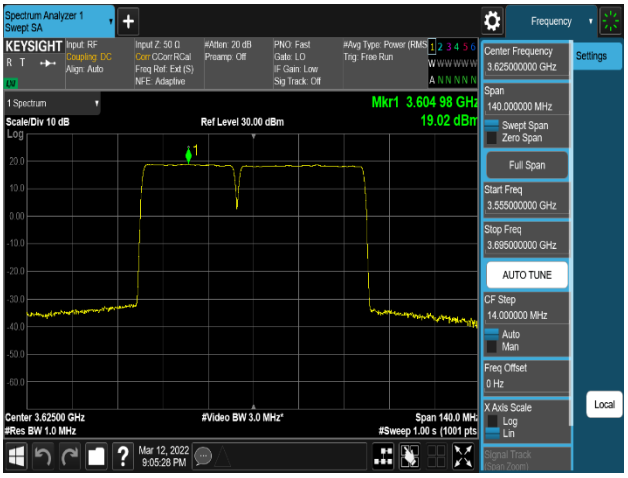
Plot 8-89. Power Spectral Density Plot
(NR_n48_2C_20M+40M_16QAM – High Channel, Port 2)



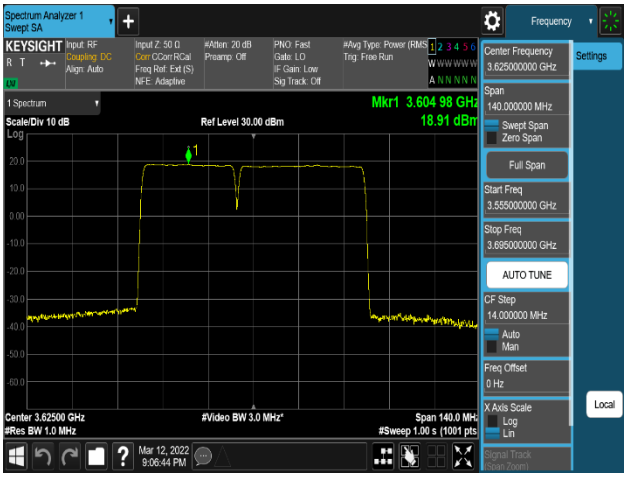
Plot 8-90. Power Spectral Density Plot
(NR_n48_2C_20M+40M_16QAM – High Channel, Port 3)



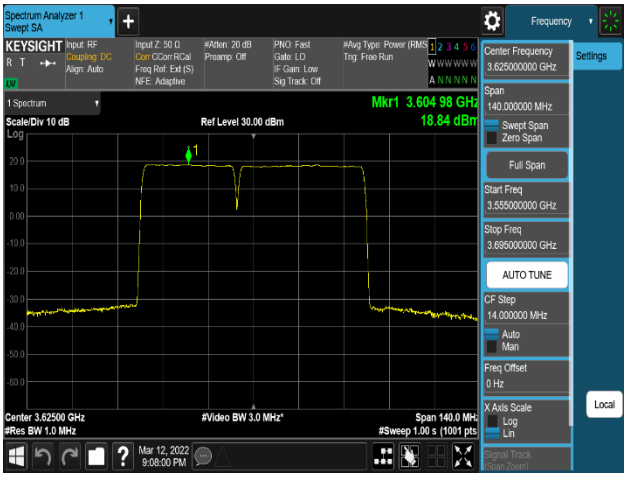
Plot 8-91. Power Spectral Density Plot
(NR_n48_2C_30M+40M_16QAM – Mid Channel, Port 0)



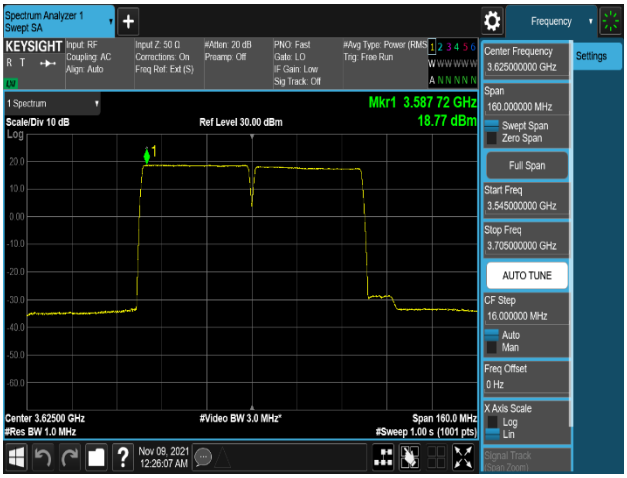
Plot 8-92. Power Spectral Density Plot
(NR_n48_2C_30M+40M_16QAM – Mid Channel, Port 1)



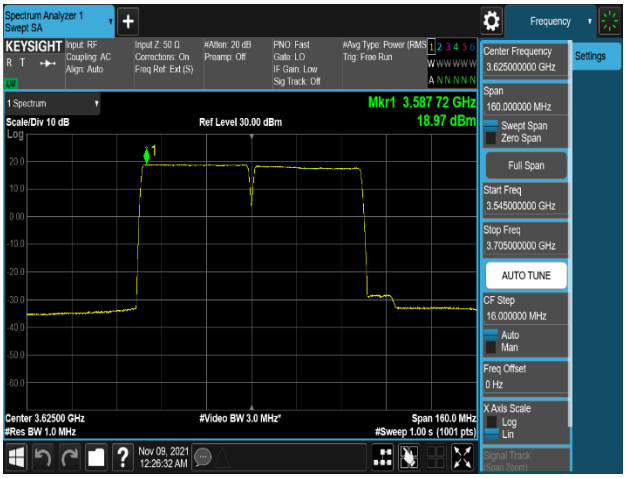
Plot 8-93. Power Spectral Density Plot
(NR_n48_2C_30M+40M_16QAM – Mid Channel, Port 2)



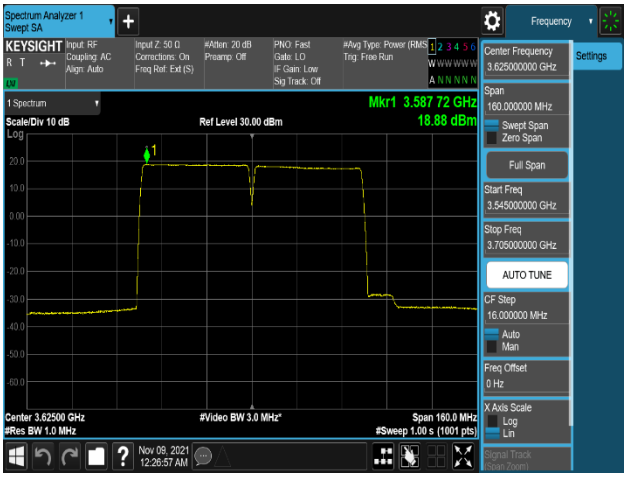
Plot 8-94. Power Spectral Density Plot
(NR_n48_2C_30M+40M_16QAM – Mid Channel, Port 3)



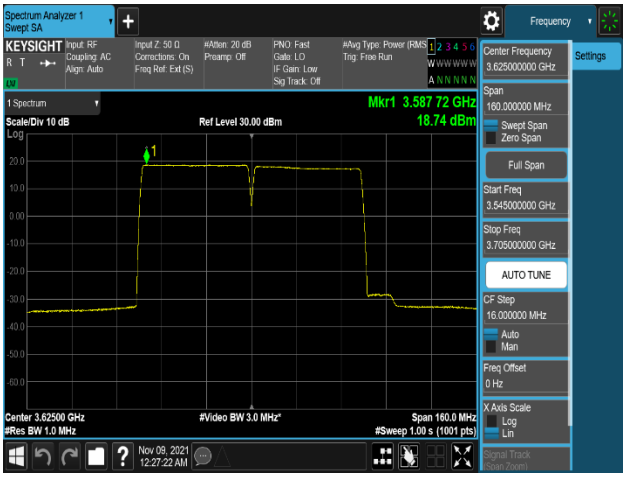
Plot 8-95. Power Spectral Density Plot
(NR_n48_2C_40M+40M_64QAM – Mid Channel, Port 0)



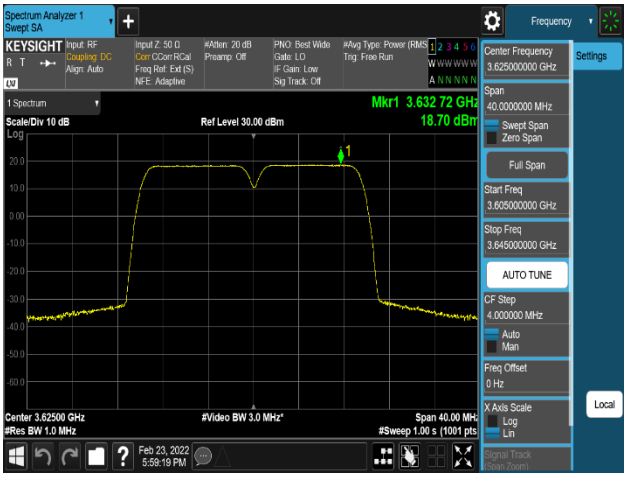
Plot 8-96. Power Spectral Density Plot
(NR_n48_2C_40M+40M_64QAM – Mid Channel, Port 1)



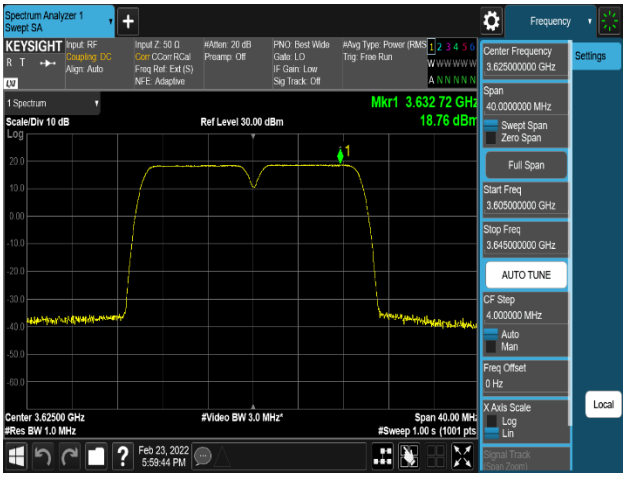
Plot 8-97. Power Spectral Density Plot
(NR_n48_2C_40M+40M_64QAM – Mid Channel, Port 2)



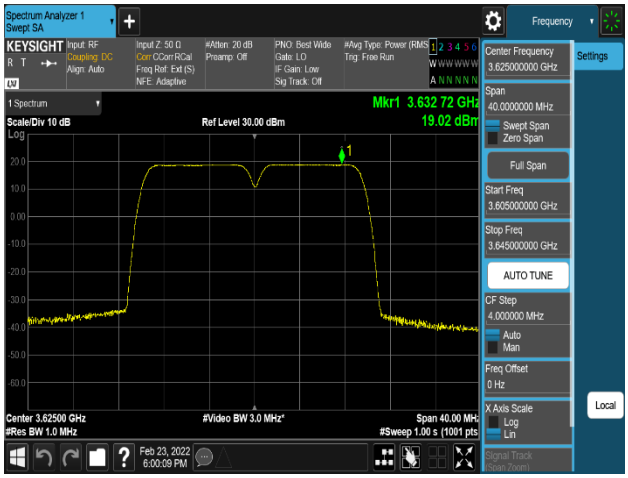
Plot 8-98. Power Spectral Density Plot
(NR_n48_2C_40M+40M_64QAM – Mid Channel, Port 3)



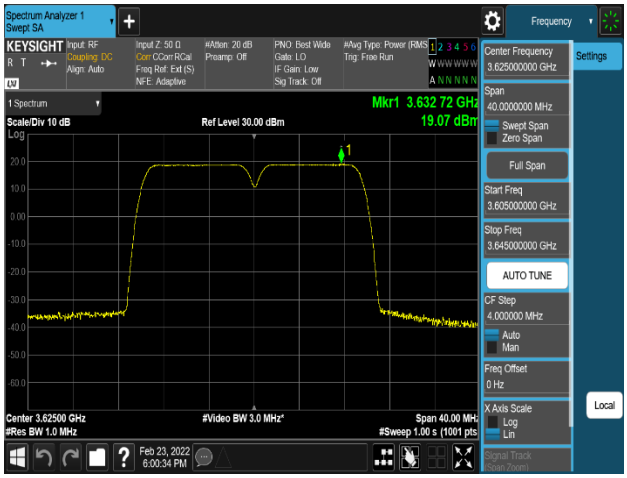
Plot 8-99. Power Spectral Density Plot
(LTE_1C+NR_1C_10M+10M_64QAM - Mid Channel, Port 0)



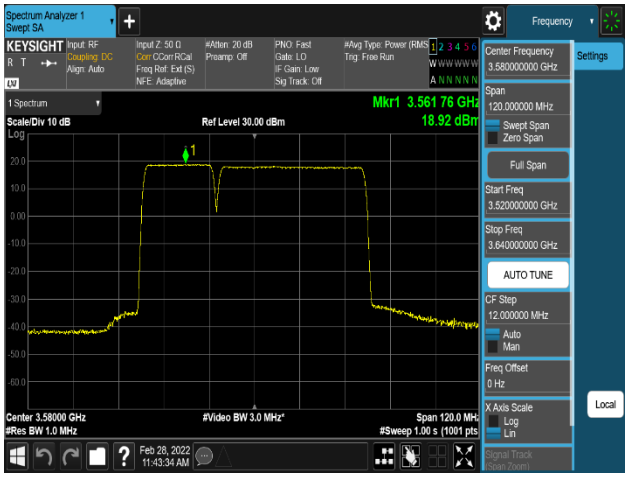
Plot 8-100. Power Spectral Density Plot
(LTE_1C+NR_1C_10M+10M_64QAM - Mid Channel, Port 1)



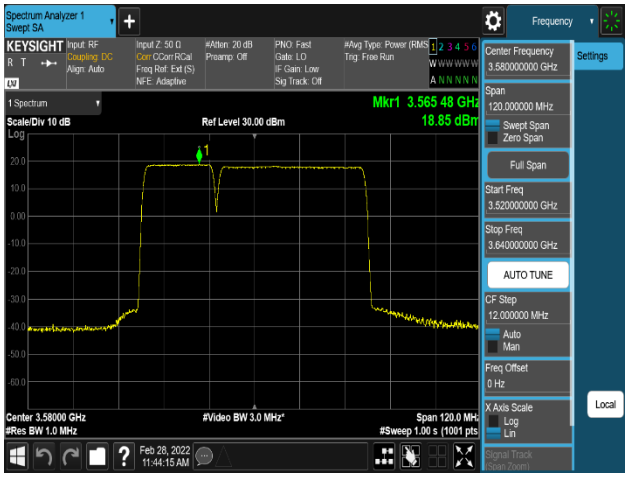
Plot 8-101. Power Spectral Density Plot
(LTE_1C+NR_1C_10M+10M_64QAM - Mid Channel, Port 2)



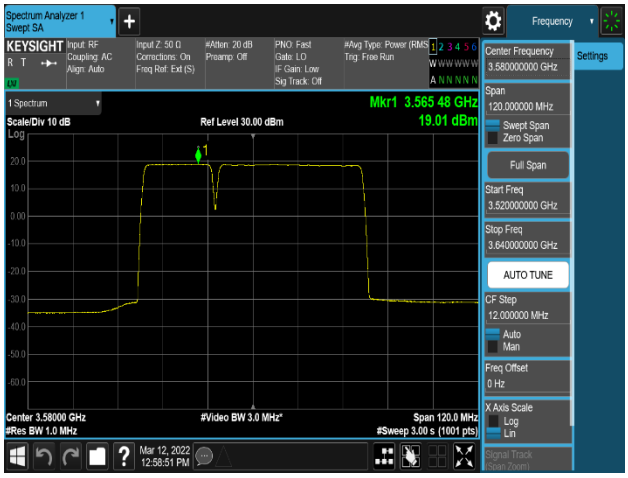
Plot 8-102. Power Spectral Density Plot
(LTE_1C+NR_1C_10M+10M_64QAM - Mid Channel, Port 3)



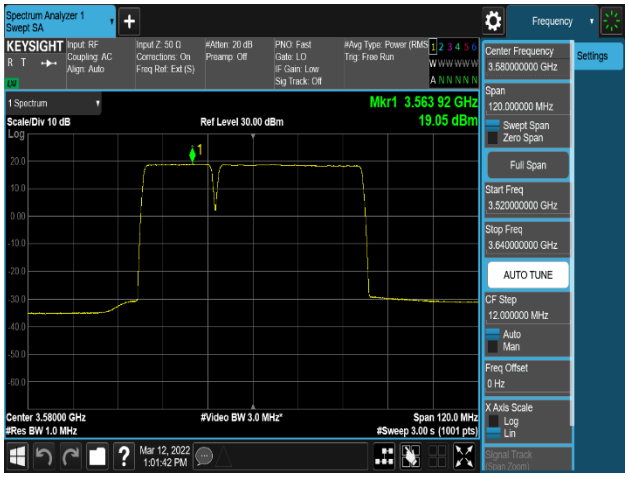
Plot 8-103. Power Spectral Density Plot
(LTE_1C+NR_1C_20M+40M_16QAM - Low Channel, Port 0)



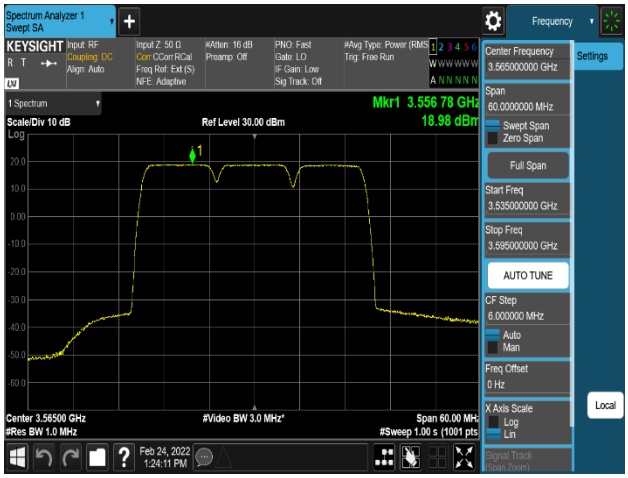
Plot 8-104. Power Spectral Density Plot
(LTE_1C+NR_1C_20M+40M_16QAM - Low Channel, Port 1)



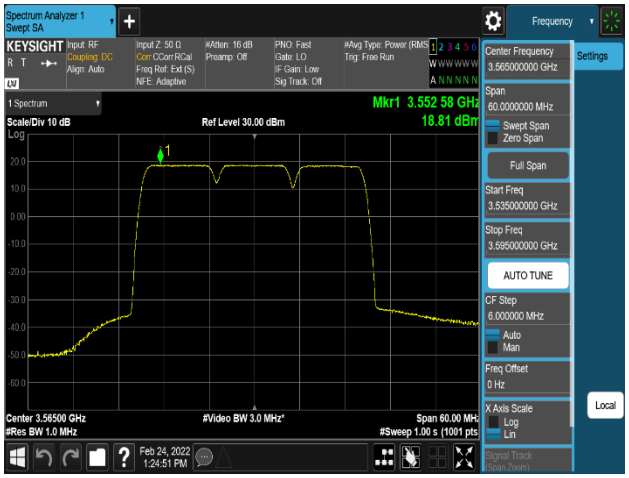
Plot 8-105. Power Spectral Density Plot
(LTE_1C+NR_1C_20M+40M_16QAM - Low Channel, Port 2)



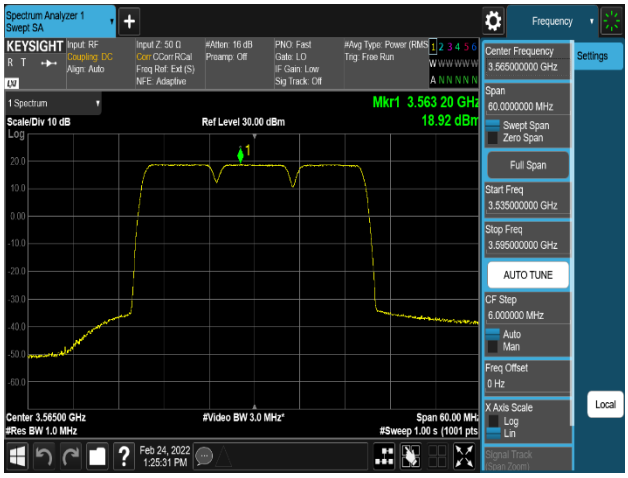
Plot 8-106. Power Spectral Density Plot
(LTE_1C+NR_1C_20M+40M_16QAM - Low Channel, Port 3)



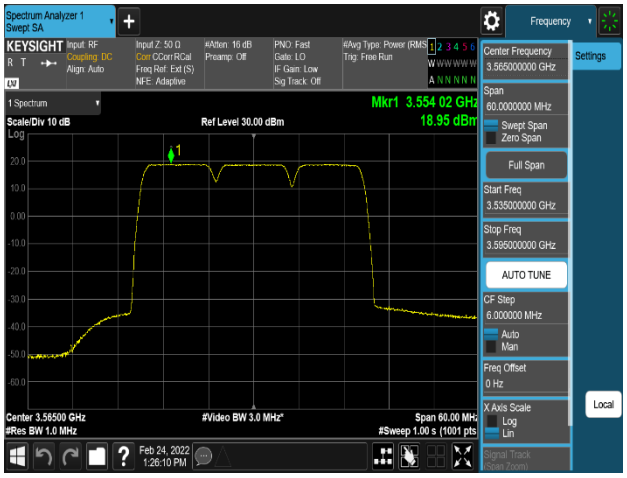
Plot 8-107. Power Spectral Density Plot
(LTE_2C+NR_1C_10M+10M+10M_16QAM-Low Channel, Port 0)



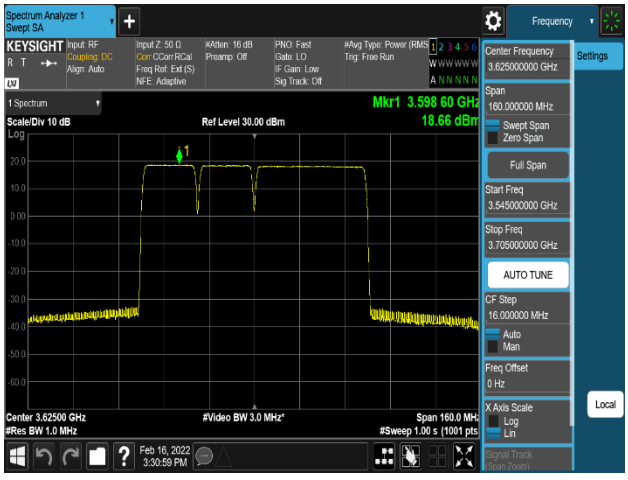
Plot 8-108. Power Spectral Density Plot
(LTE_2C+NR_1C_10M+10M+10M_16QAM-Low Channel, Port 1)



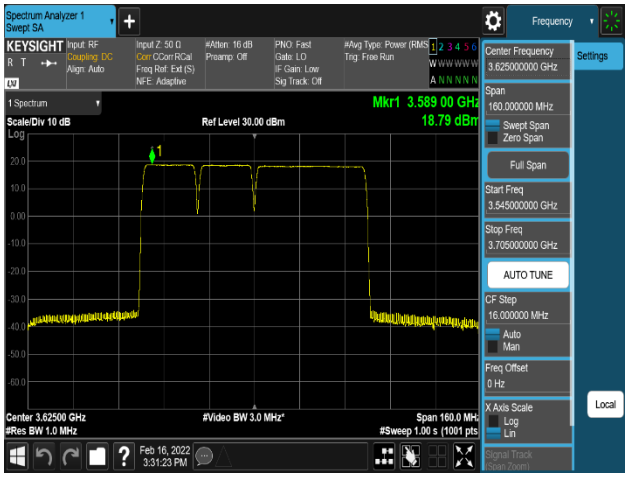
Plot 8-109. Power Spectral Density Plot
(LTE_2C+NR_1C_10M+10M+10M_16QAM-Low Channel, Port 2)



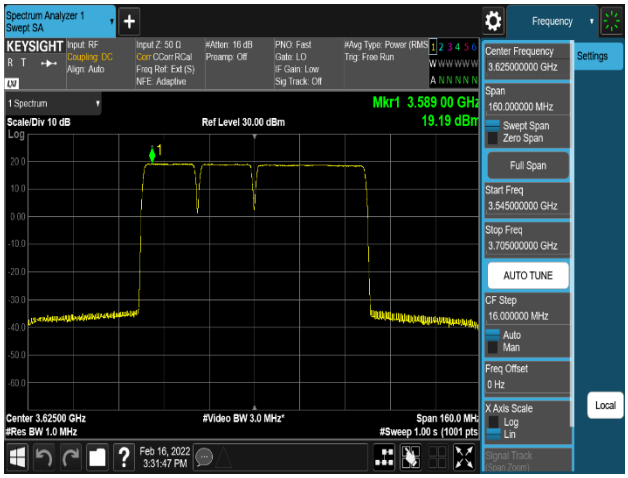
Plot 8-110. Power Spectral Density Plot
(LTE_2C+NR_1C_10M+10M+10M_16QAM-Low Channel, Port 3)



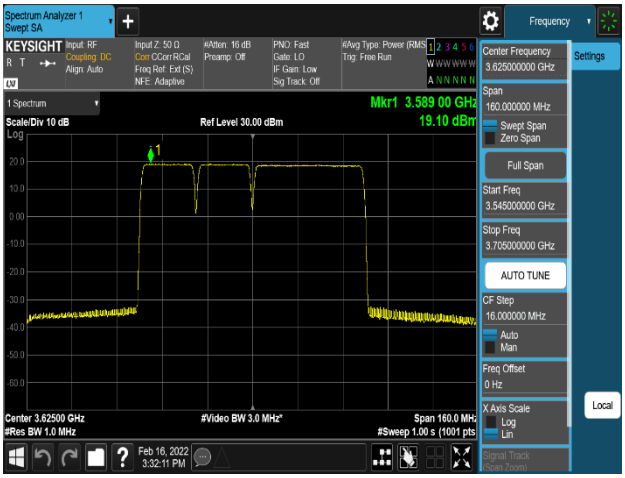
Plot 8-111. Power Spectral Density Plot
(LTE_2C+NR_1C_20M+20M+40M_256QAM-Mid Channel, Port 0)



Plot 8-112. Power Spectral Density Plot
(LTE_2C+NR_1C_20M+20M+40M_256QAM-Mid Channel, Port 1)



Plot 8-113. Power Spectral Density Plot
(LTE_2C+NR_1C_20M+20M+40M_256QAM-Mid Channel, Port 2)



Plot 8-114. Power Spectral Density Plot
(LTE_2C+NR_1C_20M+20M+40M_256QAM-Mid Channel, Port 3)

8.5 Equivalent Isotropic Radiated Power (EIRP)

Test Overview

A transmitter port of EUT is connected to the input of a signal analyzer. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Description

KDB 971168 D01 v03r01 – Section 5.4

KDB 662911 D01 v02r01 – Section E)1) In-Band Power Measurements

ANSI C63.26-2015 – Section 5.2.4

ANSI C63.26 - Section 5.2.5

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer settings were as follows:

1. Conducted power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. IBW = 10 MHz (the reference bandwidth)
3. RBW = 1 – 5% of the expected OBW
4. VBW ≥ 3 x RBW
5. Span = 1.5 times the OBW
6. No. of sweep points ≥ 2 x span / RBW
7. Detector = RMS
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

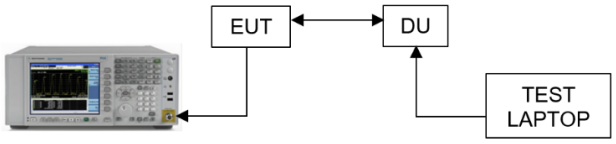


Figure 8-4. Test Instrument & Measurement Setup

Limit

Category B CBSD: 47dBm/10 MHz

Note

1. Periodic trigger was used with gating ON. Gate sweeptime, Gate delay and gate length were set accordingly to capture ON time of the transmission.

2. MIMO Calculations are done considering output channel power for all ports and respective margins are calculated according to procedures in section 6.4 of ANSI C63.26 and section D of KDB 971168 D01 v03r01.

3. Consider the following factors for MIMO Power:
   c) Conducted power for each port is measured in dBm.
   d) Powers are summed up in linear using the measure-and-sum technique defined in KDB 971168 D01 v03r01- Section D.
   e) Conducted power per port (dBm) is converted to a linear value (mW). A summation of linear powers for all ports gives us the total MIMO conducted power in milliwatts (mW).

4. The EUT have multiple antennas transmitting correlated signals with the equal antenna gains and two outputs driving a cross-polarized antennas with N_{ANT}=2.
   Directional gain is to be computed as follows;
   * Directional gain = G_{ANT} + 10 log(N_{ANT}) dBi

5. Worst e.i.r.p Case Scenario gain antenna was selected to perform all RF testing that can got maximum power setting. And High gain antenna power setting will be reduced according to difference value of antenna gain declared by applicant.

6. Applied antenna gain as below:

Bandwidth	Antenna gain (dBi)	Directional gain (dBi)
All Bandwidth	9.0	12.0

7. Sample Calculation:
   Let us assume the following numbers:
   c) Total MIMO Conducted Power as 2597.54 mW
   d) Antenna Gain = 12.0 dBi

Factors			Value	Unit
Summed MIMO Conducted Power (linear sum)			2597.54	mW
Summed MIMO Conducted Power (dBm)	= 10 * log (2597.54) =		34.15	dBm/10MHz
Antenna Gain			12.00	dBi
Total MIMO EIRP			46.15	dBm/10MHz
Limit			47.00	dBm/10MHz
Margin = Limit - Total MIMO EIRP	= 46.15 – 47.00	=	-0.85	dB

Low Channel	Port	QPSK	16QAM	**64QAM**	256QAM
Conducted Power (dBm/10MHz)	0	28.10	28.06	**28.14**	28.02
	1	28.13	27.99	**28.17**	28.02
	2	28.13	28.23	**28.19**	28.19
	3	28.14	28.20	**28.38**	28.15
Total MIMO Conducted Power (mW)		2597.54	2595.21	**2655.60**	2580.04
Total MIMO Conducted Power (dBm/10MHz)		34.15	34.14	**34.24**	34.12
Ant. Gain (dBi)		12.00	12.00	**12.00**	12.00
e.i.r.p (dBm/10MHz)		46.15	46.14	**46.24**	46.12
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	**47.00**	47.00
Margin (dB)		-0.85	-0.86	**-0.76**	-0.88
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.14	28.22	28.07	28.08
	1	27.97	27.98	27.91	27.96
	2	27.98	28.01	27.93	27.97
	3	28.18	28.18	28.02	28.00
Total MIMO Conducted Power (mW)		2563.96	2581.87	2513.96	2525.43
Total MIMO Conducted Power (dBm/10MHz)		34.09	34.12	34.00	34.02
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.09	46.12	46.00	46.02
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.91	-0.88	-1.00	-0.98
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.11	28.16	28.23	28.17
	1	28.03	28.12	28.26	28.00
	2	28.18	28.09	28.22	28.07
	3	28.17	28.19	28.14	28.07
Total MIMO Conducted Power (mW)		2596.28	2606.61	2650.53	2569.52
Total MIMO Conducted Power (dBm/10MHz)		34.14	34.16	34.23	34.10
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.14	46.16	46.23	46.10
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.86	-0.84	-0.77	-0.90

Table 8-26. Equivalent Isotropic Radiated Power Table (NR_n48_1C_10M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.01	28.00	28.02	28.14
	1	28.01	27.97	27.99	28.11
	2	28.11	27.99	28.12	28.02
	3	28.18	27.97	28.03	28.21
Total MIMO Conducted Power (mW)		2569.62	2513.69	2547.34	2594.86
Total MIMO Conducted Power (dBm/10MHz)		34.10	34.00	34.06	34.14
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.10	46.00	46.06	46.14
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.90	-1.00	-0.94	-0.86
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.03	28.19	28.24	28.24
	1	28.02	28.00	28.23	28.08
	2	28.00	28.01	28.09	28.04
	3	28.00	28.01	28.06	28.12
Total MIMO Conducted Power (mW)		2531.12	2554.95	2615.98	2594.92
Total MIMO Conducted Power (dBm/10MHz)		34.03	34.07	34.18	34.14
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.03	46.07	46.18	46.14
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.97	-0.93	-0.82	-0.86
High Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.14	**28.05**	28.00	27.99
	1	28.00	**28.17**	28.01	27.99
	2	28.25	**28.22**	28.05	28.06
	3	28.09	**28.29**	28.01	28.02
Total MIMO Conducted Power (mW)		2595.10	**2632.68**	2534.04	2532.62
Total MIMO Conducted Power (dBm/10MHz)		34.14	**34.20**	34.04	34.04
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.14	**46.20**	46.04	46.04
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.86	**-0.80**	-0.96	-0.96

Table 8-27. Equivalent Isotropic Radiated Power Table (NR_n48_1C_20M)

Low Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.52	**28.75**	28.68	28.36
	1	28.58	**28.76**	28.85	28.40
	2	28.55	**28.73**	28.72	28.39
	3	28.30	**28.62**	28.48	28.10
Total MIMO Conducted Power (mW)		2824.55	**2975.75**	2954.69	2713.21
Total MIMO Conducted Power (dBm/10MHz)		34.51	**34.74**	34.71	34.33
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.51	**46.74**	46.71	46.33
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.49	**-0.26**	-0.29	-0.67
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.48	28.37	28.70	28.40
	1	28.67	28.44	28.82	28.55
	2	28.45	28.33	28.56	28.37
	3	28.39	28.23	28.52	28.39
Total MIMO Conducted Power (mW)		2830.98	2731.34	2932.40	2785.28
Total MIMO Conducted Power (dBm/10MHz)		34.52	34.36	34.67	34.45
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.52	46.36	46.67	46.45
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.48	-0.64	-0.33	-0.55
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.45	28.12	28.48	28.48
	1	28.54	28.21	28.56	28.59
	2	28.39	28.14	28.41	28.51
	3	28.25	28.00	28.27	28.38
Total MIMO Conducted Power (mW)		2772.92	2593.44	2787.34	2825.69
Total MIMO Conducted Power (dBm/10MHz)		34.43	34.14	34.45	34.51
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.43	46.14	46.45	46.51
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.57	-0.86	-0.55	-0.49

Table 8-28. Equivalent Isotropic Radiated Power Table (NR_n48_1C_30M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.17	28.09	28.18	28.04
	1	28.14	28.05	28.17	28.07
	2	28.13	28.08	28.10	28.02
	3	28.10	28.03	28.17	27.98
Total MIMO Conducted Power (mW)		2603.56	2560.45	2615.60	2539.93
Total MIMO Conducted Power (dBm/10MHz)		34.16	34.08	34.18	34.05
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.16	46.08	46.18	46.05
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.84	-0.92	-0.82	-0.95
Mid Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.16	**28.20**	28.09	28.01
	1	28.05	**28.09**	27.98	27.89
	2	28.05	**28.19**	27.98	27.88
	3	28.12	**28.16**	28.03	27.92
Total MIMO Conducted Power (mW)		2579.80	**2618.67**	2535.62	2480.79
Total MIMO Conducted Power (dBm/10MHz)		34.12	**34.18**	34.04	33.95
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.12	**46.18**	46.04	45.95
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.88	**-0.82**	-0.96	-1.05
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.17	28.08	28.10	28.00
	1	28.09	28.10	28.02	28.03
	2	28.17	28.16	28.18	28.11
	3	28.16	28.07	28.08	28.00
Total MIMO Conducted Power (mW)		2611.10	2584.19	2579.87	2544.39
Total MIMO Conducted Power (dBm/10MHz)		34.17	34.12	34.12	34.06
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.17	46.12	46.12	46.06
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.83	-0.88	-0.88	-0.94

Table 8-29. Equivalent Isotropic Radiated Power Table (NR_n48_1C_40M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.88	27.63	27.79	27.70
	1	27.87	27.71	27.79	27.72
	2	28.07	27.81	27.89	27.84
	3	28.03	27.86	27.82	27.88
Total MIMO Conducted Power (mW)		2502.65	2384.52	2422.87	2402.30
Total MIMO Conducted Power (dBm/10MHz)		33.98	33.77	33.84	33.81
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		45.98	45.77	45.84	45.81
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-1.02	-1.23	-1.16	-1.19
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.90	27.65	27.86	27.87
	1	27.87	27.64	27.71	27.76
	2	27.89	27.62	27.74	27.79
	3	27.87	27.74	27.80	27.83
Total MIMO Conducted Power (mW)		2456.47	2335.26	2397.99	2417.30
Total MIMO Conducted Power (dBm/10MHz)		33.90	33.68	33.80	33.83
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		45.90	45.68	45.80	45.83
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-1.10	-1.32	-1.20	-1.17
High Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.88	**28.01**	27.97	27.74
	1	28.01	**28.04**	28.03	28.03
	2	27.99	**28.07**	27.94	28.02
	3	28.09	**28.14**	28.04	28.07
Total MIMO Conducted Power (mW)		2519.85	**2562.05**	2521.04	2504.70
Total MIMO Conducted Power (dBm/10MHz)		34.01	**34.09**	34.02	33.99
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.01	**46.09**	46.02	45.99
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.99	**-0.91**	-0.98	-1.01

Table 8-30. Equivalent Isotropic Radiated Power Table (LTE_B48_2C_5M+5M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.36	28.22	28.01	28.22
	1	28.48	28.32	28.29	28.12
	2	28.54	28.23	28.08	28.31
	3	28.56	28.16	28.34	27.90
Total MIMO Conducted Power (mW)		2822.47	2662.86	2631.97	2606.61
Total MIMO Conducted Power (dBm/10MHz)		34.51	34.25	34.20	34.16
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.51	46.25	46.20	46.16
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.49	-0.75	-0.80	-0.84
Mid Channel	Port	**QPSK**	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	**28.72**	27.91	28.42	28.36
	1	**28.64**	28.31	28.20	28.36
	2	**28.62**	28.00	27.81	28.18
	3	**28.74**	28.15	28.42	28.87
Total MIMO Conducted Power (mW)		**2951.82**	2579.75	2654.69	2799.54
Total MIMO Conducted Power (dBm/10MHz)		**34.70**	34.12	34.24	34.47
Ant. Gain (dBi)		**12.00**	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		**46.70**	46.12	46.24	46.47
e.i.r.p Limit(dBm/10MHz)		**47.00**	47.00	47.00	47.00
Margin (dB)		**-0.30**	-0.88	-0.76	-0.53
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.07	27.93	28.11	28.01
	1	28.13	27.88	27.87	28.04
	2	28.07	27.94	27.95	28.02
	3	28.08	27.59	28.34	28.01
Total MIMO Conducted Power (mW)		2575.24	2431.05	2565.57	2535.49
Total MIMO Conducted Power (dBm/10MHz)		34.11	33.86	34.09	34.04
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.11	45.86	46.09	46.04
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.89	-1.14	-0.91	-0.96

Table 8-31. Equivalent Isotropic Radiated Power Table (NR_n48_2C_10M+10M)

Low Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.09	**28.43**	28.04	28.14
	1	28.20	**28.47**	27.87	28.15
	2	28.18	**28.46**	28.04	28.11
	3	28.14	**28.46**	27.91	28.15
Total MIMO Conducted Power (mW)		2614.15	**2802.61**	2503.96	2605.03
Total MIMO Conducted Power (dBm/10MHz)		34.17	**34.48**	33.99	34.16
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.17	**46.48**	45.99	46.16
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.83	**-0.52**	-1.01	-0.84
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.99	28.43	28.36	28.13
	1	28.02	28.48	28.34	28.04
	2	27.80	28.18	28.10	27.86
	3	27.95	28.43	28.31	28.05
Total MIMO Conducted Power (mW)		2489.67	2755.60	2691.12	2536.13
Total MIMO Conducted Power (dBm/10MHz)		33.96	34.40	34.30	34.04
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		45.96	46.40	46.30	46.04
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-1.04	-0.60	-0.70	-0.96
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.39	28.12	28.14	28.20
	1	28.34	27.99	28.07	28.10
	2	28.30	27.95	27.98	28.14
	3	28.32	28.02	28.04	28.20
Total MIMO Conducted Power (mW)		2727.87	2535.75	2557.69	2618.67
Total MIMO Conducted Power (dBm/10MHz)		34.36	34.04	34.08	34.18
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.36	46.04	46.08	46.18
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.64	-0.96	-0.92	-0.82

Table 8-32. Equivalent Isotropic Radiated Power Table (NR_n48_2C_10M+20M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.38	28.31	28.45	28.30
	1	28.38	28.59	28.61	28.55
	2	28.32	28.53	28.55	28.50
	3	28.06	28.25	28.37	28.22
Total MIMO Conducted Power (mW)		2696.24	2781.61	2829.16	2763.92
Total MIMO Conducted Power (dBm/10MHz)		34.31	34.44	34.52	34.42
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.31	46.44	46.52	46.42
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.69	-0.56	-0.48	-0.58
Mid Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.25	**28.52**	27.88	27.95
	1	28.49	**28.63**	27.98	27.85
	2	28.42	**28.55**	27.77	27.66
	3	28.08	**28.31**	27.78	27.37
Total MIMO Conducted Power (mW)		2712.37	**2834.46**	2440.02	2362.47
Total MIMO Conducted Power (dBm/10MHz)		34.33	**34.52**	33.87	33.73
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.33	**46.52**	45.87	45.73
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.67	**-0.48**	-1.13	-1.27
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.04	28.28	27.74	28.36
	1	28.10	28.30	27.79	28.46
	2	27.96	28.14	27.64	28.30
	3	27.89	28.11	27.54	28.02
Total MIMO Conducted Power (mW)		2522.80	2647.83	2343.77	2696.90
Total MIMO Conducted Power (dBm/10MHz)		34.02	34.23	33.70	34.31
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.02	46.23	45.70	46.31
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.98	-0.77	-1.30	-0.69

Table 8-33. Equivalent Isotropic Radiated Power Table (NR_n48_2C_10M+30M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.31	28.24	27.62	28.43
	1	28.36	28.35	28.23	27.96
	2	28.24	28.27	28.45	28.31
	3	28.32	28.31	28.13	28.27
Total MIMO Conducted Power (mW)		2709.14	2699.79	2593.34	2670.87
Total MIMO Conducted Power (dBm/10MHz)		34.33	34.31	34.14	34.27
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.33	46.31	46.14	46.27
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.67	-0.69	-0.86	-0.73
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.24	28.40	28.26	28.11
	1	28.39	28.48	28.38	28.26
	2	28.23	28.36	28.28	28.19
	3	28.29	28.39	28.32	28.24
Total MIMO Conducted Power (mW)		2696.85	2772.25	2710.72	2643.01
Total MIMO Conducted Power (dBm/10MHz)		34.31	34.43	34.33	34.22
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.31	46.43	46.33	46.22
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.69	-0.57	-0.67	-0.78
High Channel	Port	QPSK	16QAM	**64QAM**	256QAM
Conducted Power (dBm/10MHz)	0	27.92	27.93	**28.46**	28.17
	1	28.10	28.00	**28.55**	28.05
	2	28.04	28.05	**28.49**	28.00
	3	27.98	27.84	**28.50**	28.20
Total MIMO Conducted Power (mW)		2529.95	2498.22	**2831.86**	2586.06
Total MIMO Conducted Power (dBm/10MHz)		34.03	33.98	**34.52**	34.13
Ant. Gain (dBi)		12.00	12.00	**12.00**	12.00
e.i.r.p (dBm/10MHz)		46.03	45.98	**46.52**	46.13
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	**47.00**	47.00
Margin (dB)		-0.97	-1.02	**-0.48**	-0.87

Table 8-34. Equivalent Isotropic Radiated Power Table (NR_n48_2C_20M+20M)

Low Channel	Port	QPSK	16QAM	64QAM	**256QAM**
Conducted Power (dBm/10MHz)	0	28.50	28.07	28.73	**28.94**
	1	28.48	28.19	28.72	**28.88**
	2	28.39	27.99	28.42	**28.91**
	3	28.37	28.05	28.62	**28.75**
Total MIMO Conducted Power (mW)		2789.95	2568.15	2913.98	**3084.04**
Total MIMO Conducted Power (dBm/10MHz)		34.46	34.10	34.64	**34.89**
Ant. Gain (dBi)		12.00	12.00	12.00	**12.00**
e.i.r.p (dBm/10MHz)		46.46	46.10	46.64	**46.89**
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	**47.00**
Margin (dB)		-0.54	-0.90	-0.36	**-0.11**
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.56	28.02	28.62	28.34
	1	28.63	28.18	28.67	28.35
	2	28.26	27.88	28.52	28.31
	3	27.99	27.55	28.25	27.92
Total MIMO Conducted Power (mW)		2746.64	2474.14	2843.54	2663.33
Total MIMO Conducted Power (dBm/10MHz)		34.39	33.93	34.54	34.25
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.39	45.93	46.54	46.25
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.61	-1.07	-0.46	-0.75
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.23	28.13	27.65	27.62
	1	28.17	28.25	27.77	27.58
	2	28.10	28.25	27.85	27.51
	3	27.80	28.05	27.76	27.37
Total MIMO Conducted Power (mW)		2569.63	2625.08	2387.09	2260.29
Total MIMO Conducted Power (dBm/10MHz)		34.10	34.19	33.78	33.54
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.10	46.19	45.78	45.54
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.90	-0.81	-1.22	-1.46

Table 8-35. Equivalent Isotropic Radiated Power Table (NR_n48_2C_10M+40M)

Low Channel	Port	QPSK	16QAM	64QAM	**256QAM**
Conducted Power (dBm/10MHz)	0	28.18	28.36	28.59	**28.36**
	1	28.52	28.44	28.82	**28.55**
	2	28.31	28.57	28.80	**28.57**
	3	28.10	28.27	28.60	**28.29**
Total MIMO Conducted Power (mW)		2692.17	2774.60	2967.86	**2795.61**
Total MIMO Conducted Power (dBm/10MHz)		34.30	34.43	34.72	**34.46**
Ant. Gain (dBi)		12.00	12.00	12.00	**12.00**
e.i.r.p (dBm/10MHz)		46.30	46.43	46.72	**46.46**
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	**47.00**
Margin (dB)		-0.70	-0.57	-0.28	**-0.54**
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.54	27.83	27.91	27.86
	1	28.74	27.86	27.91	27.84
	2	28.40	27.94	27.89	27.86
	3	28.13	27.77	27.66	27.52
Total MIMO Conducted Power (mW)		2804.63	2438.39	2434.65	2394.96
Total MIMO Conducted Power (dBm/10MHz)		34.48	33.87	33.86	33.79
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.48	45.87	45.86	45.79
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.52	-1.13	-1.14	-1.21
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.09	28.30	28.28	27.99
	1	28.16	28.37	28.38	28.07
	2	28.21	28.46	28.44	28.09
	3	28.11	28.25	28.25	27.93
Total MIMO Conducted Power (mW)		2608.16	2732.95	2728.21	2535.75
Total MIMO Conducted Power (dBm/10MHz)		34.16	34.37	34.36	34.04
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.16	46.37	46.36	46.04
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.84	-0.63	-0.64	-0.96

Table 8-36. Equivalent Isotropic Radiated Power Table (NR_n48_2C_20M+40M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.76	28.35	28.28	28.83
	1	28.65	28.19	28.55	28.87
	2	28.83	28.31	28.47	28.88
	3	28.46	28.05	28.12	28.63
Total MIMO Conducted Power (mW)		2949.74	2658.99	2740.83	3036.88
Total MIMO Conducted Power (dBm/10MHz)		34.70	34.25	34.38	34.82
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.70	46.25	46.38	46.82
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.30	-0.75	-0.62	-0.18
Mid Channel	Port	**QPSK**	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	**28.85**	28.43	27.96	28.45
	1	**28.96**	28.45	28.08	28.36
	2	**28.81**	28.33	28.03	28.35
	3	**28.67**	28.26	27.98	28.35
Total MIMO Conducted Power (mW)		**3050.94**	2747.12	2531.25	2753.15
Total MIMO Conducted Power (dBm/10MHz)		**34.84**	34.39	34.03	34.40
Ant. Gain (dBi)		**12.00**	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		**46.84**	46.39	46.03	46.40
e.i.r.p Limit(dBm/10MHz)		**47.00**	47.00	47.00	47.00
Margin (dB)		**-0.16**	-0.61	-0.97	-0.60
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.97	28.12	28.04	28.34
	1	27.89	27.96	27.98	28.10
	2	28.01	27.98	28.09	28.09
	3	27.94	27.91	27.90	28.10
Total MIMO Conducted Power (mW)		2496.50	2519.88	2525.62	2617.82
Total MIMO Conducted Power (dBm/10MHz)		33.97	34.01	34.02	34.18
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		45.97	46.01	46.02	46.18
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-1.03	-0.99	-0.98	-0.82

Table 8-37. Equivalent Isotropic Radiated Power Table (NR_n48_2C_30M+40M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.28	28.14	28.27	27.79
	1	28.41	28.30	28.37	27.97
	2	28.33	28.29	28.23	27.78
	3	28.26	28.03	28.22	27.81
Total MIMO Conducted Power (mW)		2717.06	2637.57	2687.51	2431.53
Total MIMO Conducted Power (dBm/10MHz)		34.34	34.21	34.29	33.86
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.34	46.21	46.29	45.86
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.66	-0.79	-0.71	-1.14
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.18	28.08	28.32	27.99
	1	28.27	28.14	28.57	28.09
	2	28.06	28.01	28.42	27.98
	3	28.08	28.02	28.33	27.93
Total MIMO Conducted Power (mW)		2611.51	2560.60	2774.45	2522.60
Total MIMO Conducted Power (dBm/10MHz)		34.17	34.08	34.43	34.02
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.17	46.08	46.43	46.02
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.83	-0.92	-0.57	-0.98
High Channel	Port	QPSK	16QAM	**64QAM**	256QAM
Conducted Power (dBm/10MHz)	0	28.26	28.05	**28.37**	28.03
	1	28.29	28.02	**28.47**	28.13
	2	28.23	28.20	**28.43**	28.08
	3	28.31	28.06	**28.41**	28.07
Total MIMO Conducted Power (mW)		2687.33	2572.56	**2780.19**	2569.36
Total MIMO Conducted Power (dBm/10MHz)		34.29	34.10	**34.44**	34.10
Ant. Gain (dBi)		12.00	12.00	**12.00**	12.00
e.i.r.p (dBm/10MHz)		46.29	46.10	**46.44**	46.10
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	**47.00**	47.00
Margin (dB)		-0.71	-0.90	**-0.56**	-0.90

Table 8-38. Equivalent Isotropic Radiated Power Table (NR_n48_2C_40M+40M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.14	28.34	28.27	28.35
	1	28.10	28.36	28.30	28.28
	2	28.45	28.51	28.52	28.63
	3	28.33	28.51	28.46	28.55
Total MIMO Conducted Power (mW)		2677.89	2786.98	2760.18	2802.49
Total MIMO Conducted Power (dBm/10MHz)		34.28	34.45	34.41	34.48
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.28	46.45	46.41	46.48
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.72	-0.55	-0.59	-0.52
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.29	28.04	28.24	28.23
	1	28.34	28.05	28.30	28.26
	2	28.67	28.02	28.62	28.03
	3	28.62	28.04	28.62	28.12
Total MIMO Conducted Power (mW)		2820.85	2545.72	2798.45	2619.12
Total MIMO Conducted Power (dBm/10MHz)		34.50	34.06	34.47	34.18
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.50	46.06	46.47	46.18
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.50	-0.94	-0.53	-0.82
High Channel	Port	**QPSK**	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	**28.53**	27.93	28.08	28.62
	1	**28.52**	27.87	28.12	28.70
	2	**28.67**	28.20	28.25	28.39
	3	**28.76**	28.44	28.31	28.49
Total MIMO Conducted Power (mW)		**2911.90**	2592.15	2637.31	2865.65
Total MIMO Conducted Power (dBm/10MHz)		**34.64**	34.14	34.21	34.57
Ant. Gain (dBi)		**12.00**	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		**46.64**	46.14	46.21	46.57
e.i.r.p Limit(dBm/10MHz)		**47.00**	47.00	47.00	47.00
Margin (dB)		**-0.36**	-0.86	-0.79	-0.43

Table 8-39. Equivalent Isotropic Radiated Power Table (LTE_B48_1C + NR_n48_1C_10M+10M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	27.98	28.57	28.58	28.12
	1	28.13	28.64	28.66	28.18
	2	28.69	28.53	28.51	28.60
	3	28.63	28.49	28.42	28.57
Total MIMO Conducted Power (mW)		2747.25	2869.76	2860.22	2750.18
Total MIMO Conducted Power (dBm/10MHz)		34.39	34.58	34.56	34.39
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.39	46.58	46.56	46.39
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.61	-0.42	-0.44	-0.61
Mid Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.08	**28.49**	28.47	28.23
	1	28.13	**28.90**	28.51	28.22
	2	28.65	**28.63**	28.51	28.74
	3	28.61	**28.46**	28.48	28.60
Total MIMO Conducted Power (mW)		2751.75	**2913.48**	2826.92	2801.62
Total MIMO Conducted Power (dBm/10MHz)		34.40	**34.64**	34.51	34.47
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.40	**46.64**	46.51	46.47
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.60	**-0.36**	-0.49	-0.53
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.56	28.33	28.09	28.31
	1	28.49	28.28	28.09	28.31
	2	28.40	28.42	28.49	28.96
	3	28.42	28.36	28.61	28.67
Total MIMO Conducted Power (mW)		2810.97	2734.26	2720.76	2878.54
Total MIMO Conducted Power (dBm/10MHz)		34.49	34.37	34.35	34.59
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.49	46.37	46.35	46.59
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.51	-0.63	-0.65	-0.41

Table 8-40. Equivalent Isotropic Radiated Power Table (LTE_B48_1C + NR_n48_1C_20M+40M)

Low Channel	Port	QPSK	16QAM	**64QAM**	256QAM
Conducted Power (dBm/10MHz)	0	27.97	28.22	**28.25**	28.31
	1	27.99	27.96	**28.29**	28.33
	2	28.09	28.07	**28.48**	28.37
	3	28.17	28.16	**28.46**	28.39
Total MIMO Conducted Power (mW)		2556.43	2584.76	**2749.02**	2735.72
Total MIMO Conducted Power (dBm/10MHz)		34.08	34.12	**34.39**	34.37
Ant. Gain (dBi)		12.00	12.00	**12.00**	12.00
e.i.r.p (dBm/10MHz)		46.08	46.12	**46.39**	46.37
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	**47.00**	47.00
Margin (dB)		-0.92	-0.88	**-0.61**	-0.63
Mid Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.42	28.43	28.14	28.09
	1	28.41	28.40	28.17	27.93
	2	28.21	27.95	28.25	28.12
	3	28.23	28.31	28.19	28.11
Total MIMO Conducted Power (mW)		2715.94	2689.83	2635.29	2560.82
Total MIMO Conducted Power (dBm/10MHz)		34.34	34.30	34.21	34.08
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.34	46.30	46.21	46.08
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.66	-0.70	-0.79	-0.92
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.23	27.97	28.26	28.03
	1	28.20	27.88	28.21	27.98
	2	28.51	28.19	28.46	28.43
	3	28.52	28.30	28.45	28.43
Total MIMO Conducted Power (mW)		2746.76	2575.63	2733.40	2656.64
Total MIMO Conducted Power (dBm/10MHz)		34.39	34.11	34.37	34.24
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.39	46.11	46.37	46.24
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.61	-0.89	-0.63	-0.76

Table 8-41. Equivalent Isotropic Radiated Power Table (LTE_B48_2C + NR_n48_1C_10M+10M+10M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.49	28.59	28.70	28.15
	1	28.55	28.56	28.70	28.19
	2	28.45	28.44	28.66	28.80
	3	28.49	28.45	28.63	28.71
Total MIMO Conducted Power (mW)		2828.62	2838.64	2946.59	2813.90
Total MIMO Conducted Power (dBm/10MHz)		34.52	34.53	34.69	34.49
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.52	46.53	46.69	46.49
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.48	-0.47	-0.31	-0.51
Mid Channel	Port	QPSK	**16QAM**	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.07	**28.87**	28.35	28.30
	1	28.15	**28.80**	28.45	28.30
	2	28.71	**28.85**	28.53	28.70
	3	28.65	**28.88**	28.47	28.52
Total MIMO Conducted Power (mW)		2770.18	**3069.52**	2799.68	2804.69
Total MIMO Conducted Power (dBm/10MHz)		34.43	**34.87**	34.47	34.48
Ant. Gain (dBi)		12.00	**12.00**	12.00	12.00
e.i.r.p (dBm/10MHz)		46.43	**46.87**	46.47	46.48
e.i.r.p Limit(dBm/10MHz)		47.00	**47.00**	47.00	47.00
Margin (dB)		-0.57	**-0.13**	-0.53	-0.52
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Power (dBm/10MHz)	0	28.46	28.38	28.06	28.00
	1	28.56	28.33	28.08	28.08
	2	28.38	28.64	28.62	28.53
	3	28.19	28.45	28.67	28.45
Total MIMO Conducted Power (mW)		2767.08	2800.40	2746.41	2686.34
Total MIMO Conducted Power (dBm/10MHz)		34.42	34.47	34.39	34.29
Ant. Gain (dBi)		12.00	12.00	12.00	12.00
e.i.r.p (dBm/10MHz)		46.42	46.47	46.39	46.29
e.i.r.p Limit(dBm/10MHz)		47.00	47.00	47.00	47.00
Margin (dB)		-0.58	-0.53	-0.61	-0.71

Table 8-42. Equivalent Isotropic Radiated Power Table (LTE_B48_2C + NR_n48_1C_20M+20M+40M)