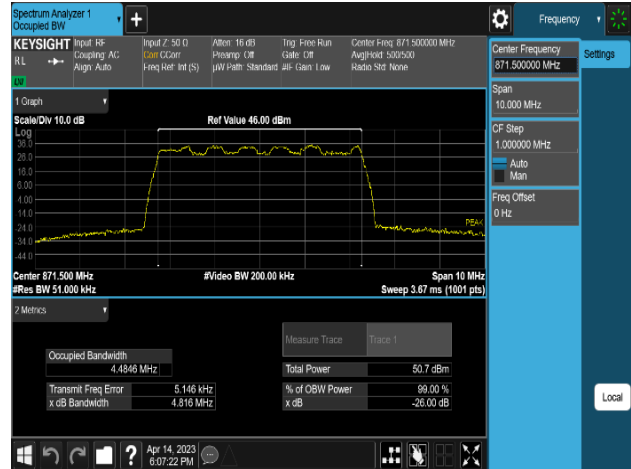
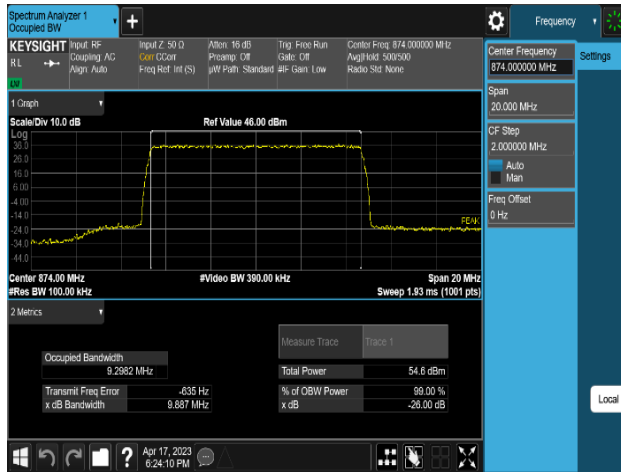


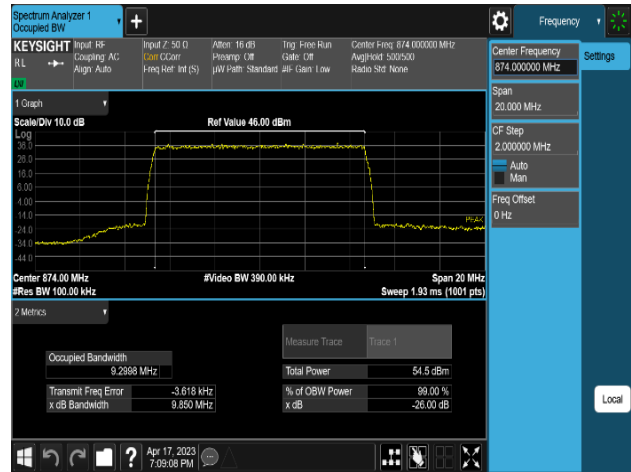
Plot 8-59. Occupied Bandwidth Plot  
(NR n5\_1C\_5M\_QPSK - Low Channel\_4T, Port 0)



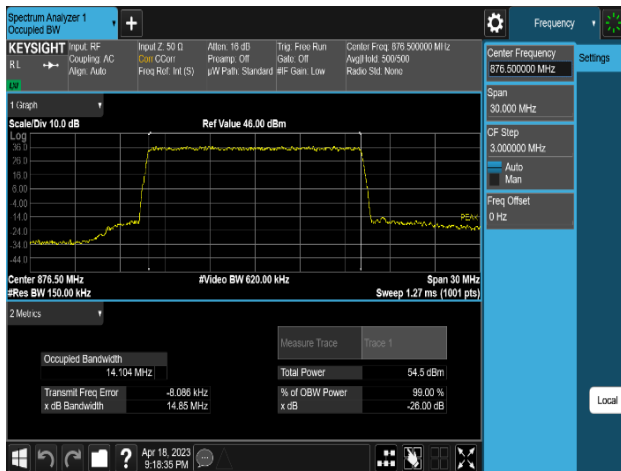
Plot 8-60. Occupied Bandwidth Plot  
(NR n5\_1C\_5M\_16QAM - Low Channel\_4T, Port 2)



Plot 8-61. Occupied Bandwidth Plot  
(NR n5\_1C\_10M\_QPSK - Low Channel\_4T, Port 0)



Plot 8-62. Occupied Bandwidth Plot  
(NR n5\_1C\_10M\_64QAM - Low Channel\_4T, Port 1)

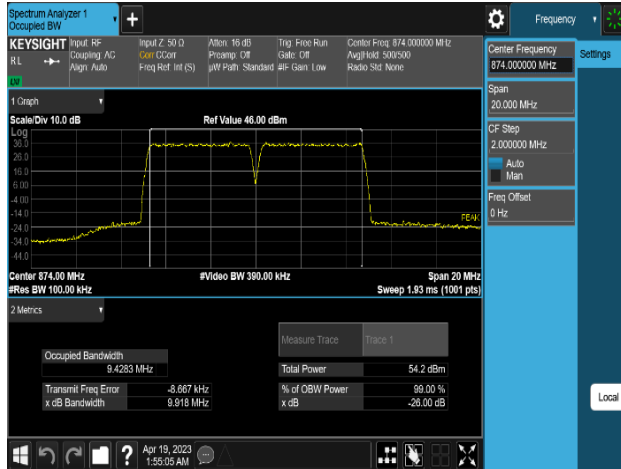


Plot 8-63. Occupied Bandwidth Plot  
(NR n5\_1C\_15M\_QPSK - Low Channel\_4T, Port 2)

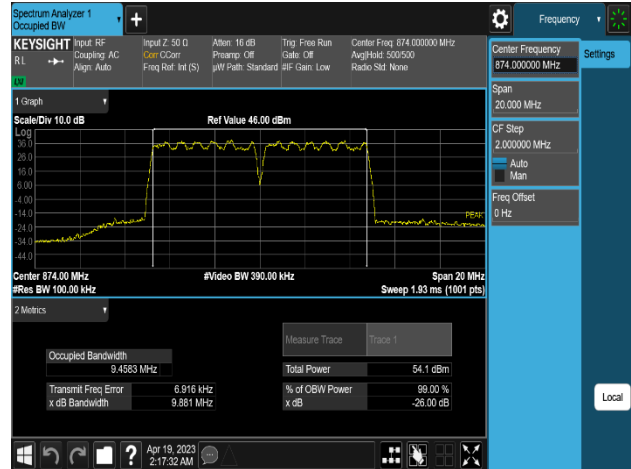


Plot 8-64. Occupied Bandwidth Plot  
(NR n5\_1C\_15M\_16QAM - Low Channel\_4T, Port 0)

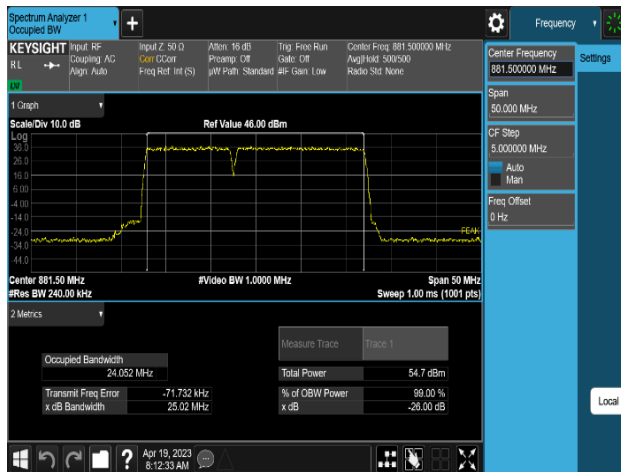
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 47 of 404



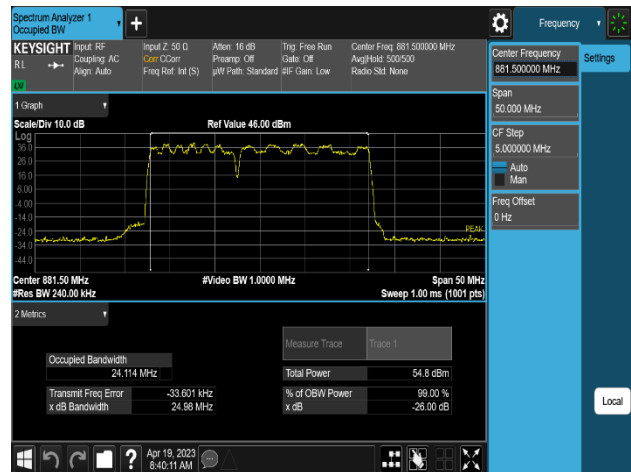
Plot 8-65. Occupied Bandwidth Plot  
(NR n5\_2C\_5M+5M\_QPSK - Low Channel\_4T, Port 1)



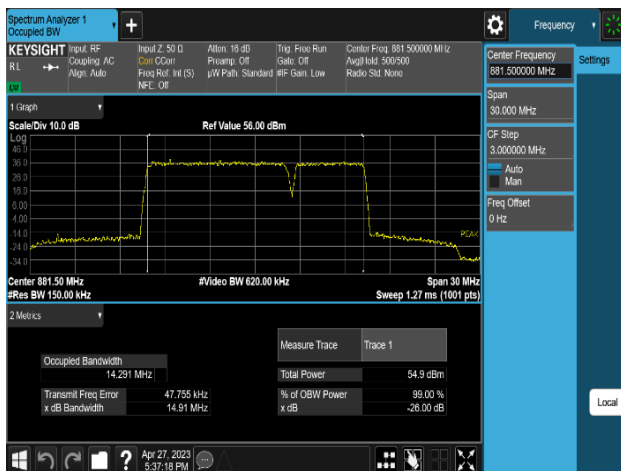
Plot 8-66. Occupied Bandwidth Plot  
(NR n5\_2C\_5M+5M\_16QAM - Low Channel\_4T, Port 1)



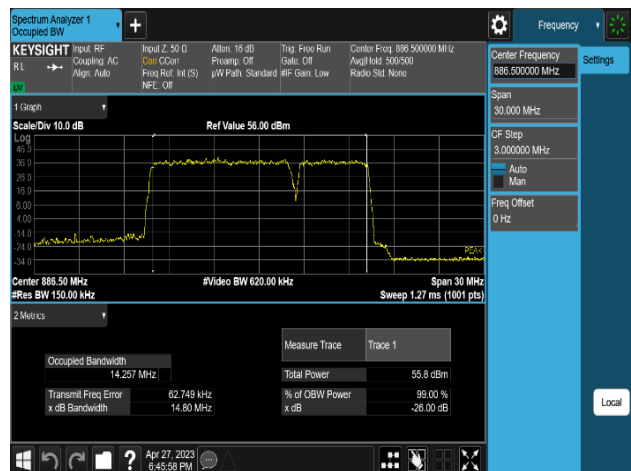
Plot 8-67. Occupied Bandwidth Plot  
(NR n5\_2C\_10M+15M\_QPSK - Mid Channel\_4T, Port 2)



Plot 8-68. Occupied Bandwidth Plot  
(NR n5\_2C\_10M+15M\_16QAM - Mid Channel\_4T, Port 3)

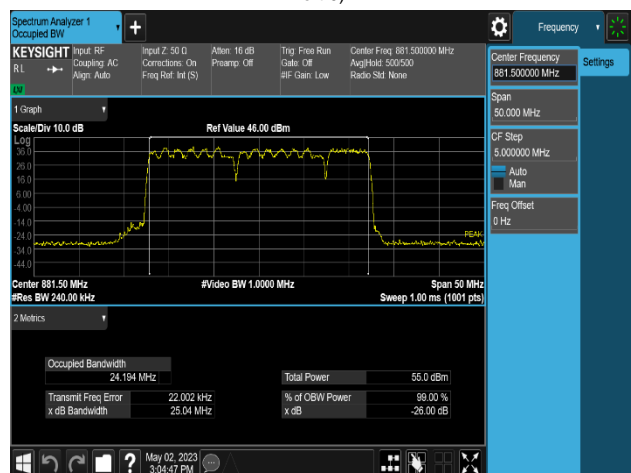
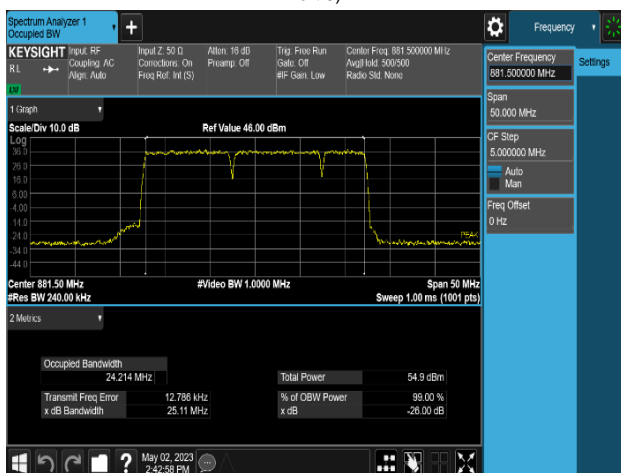
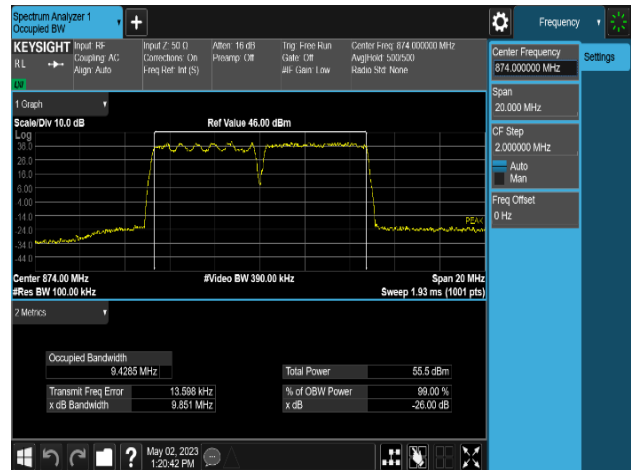
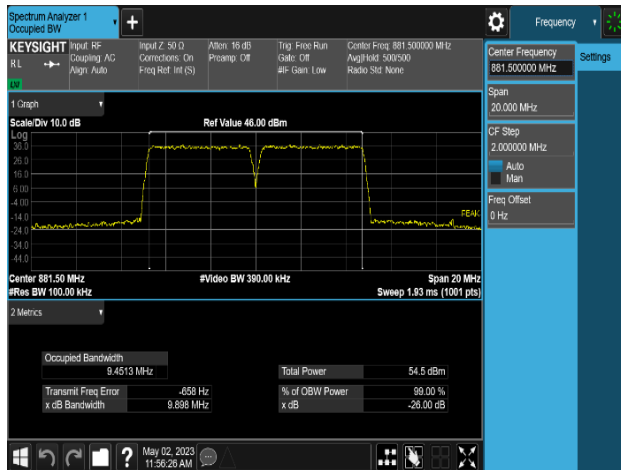
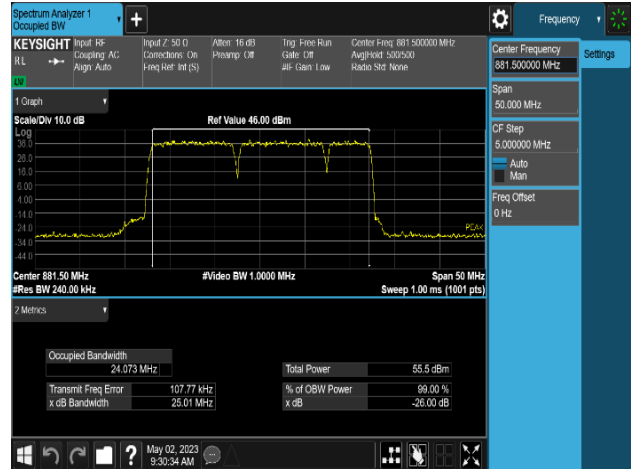
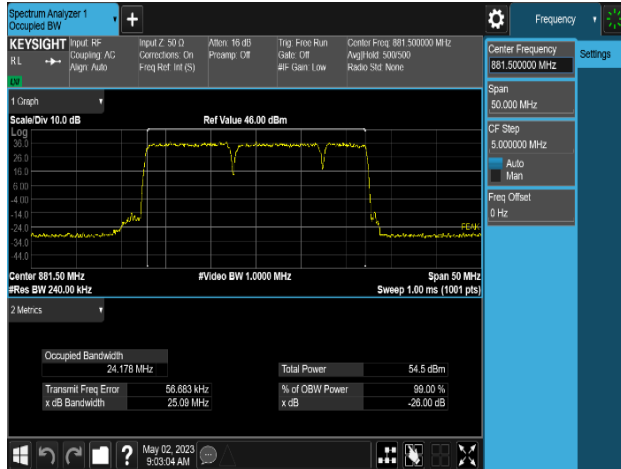


Plot 8-69. Occupied Bandwidth Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_QPSK - Mid Channel\_4T, Port 2)

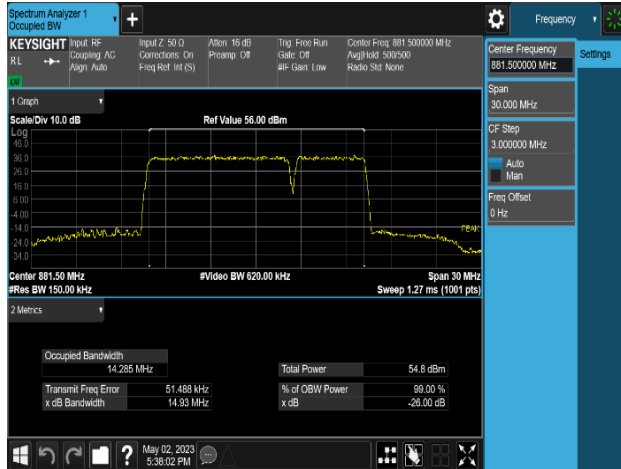


Plot 8-70. Occupied Bandwidth Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_1C\_5M\_16QAM - High Channel\_4T, Port 1)

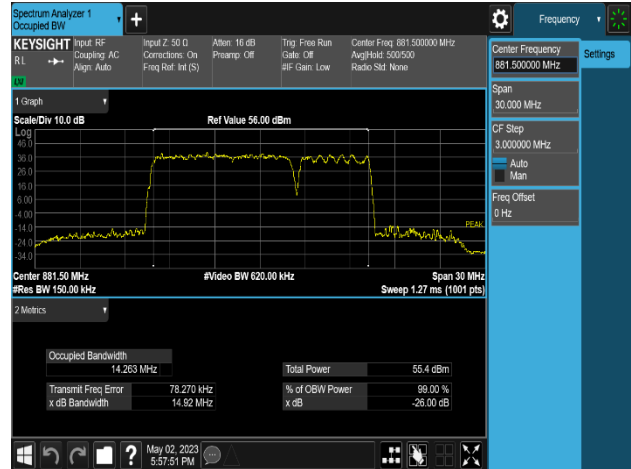
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 48 of 404



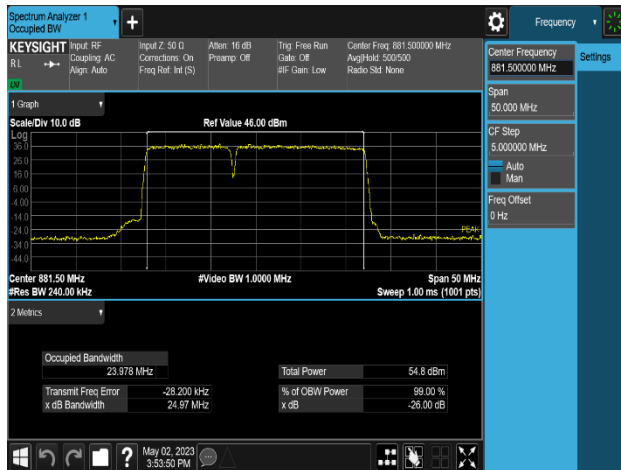
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 49 of 404



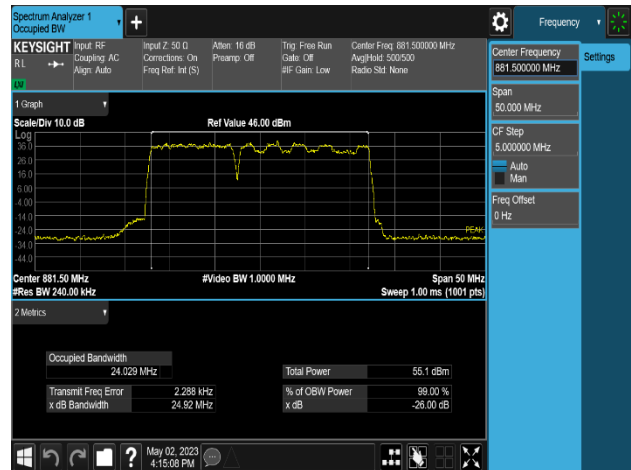
Plot 8-77. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_QPSK - Mid Channel\_4T, Port 3)



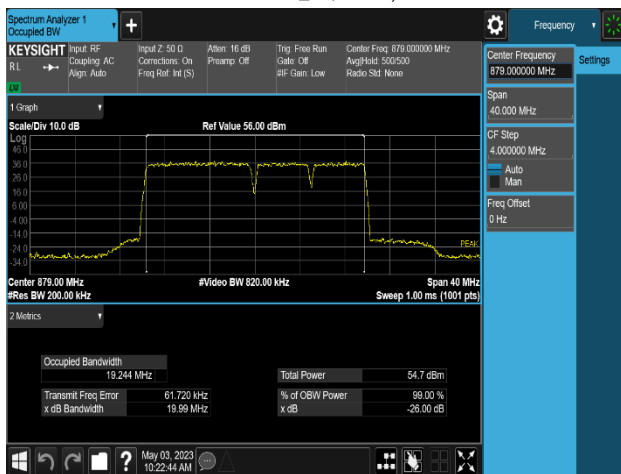
Plot 8-78. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_16QAM - Mid Channel\_4T, Port 1)



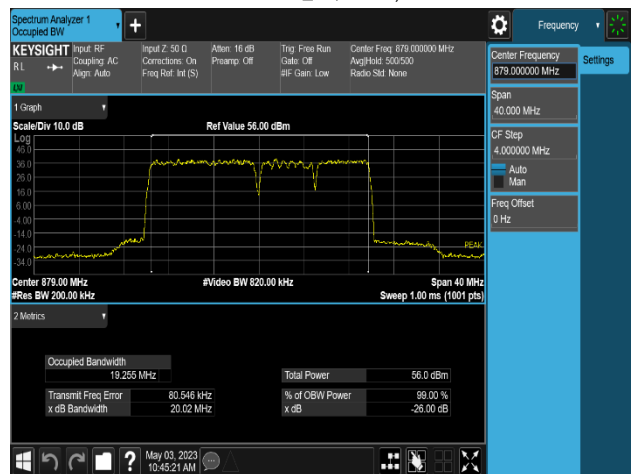
Plot 8-79. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_QPSK - Mid Channel\_4T, Port 1)



Plot 8-80. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_16QAM - Mid Channel\_4T, Port 1)

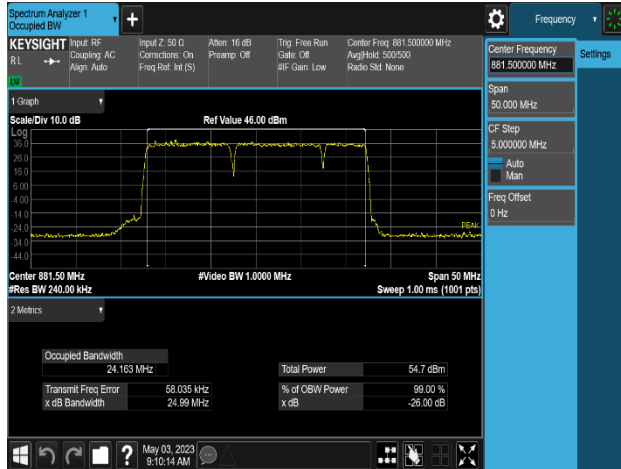


Plot 8-81. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_QPSK - Low Channel\_4T, Port 1)

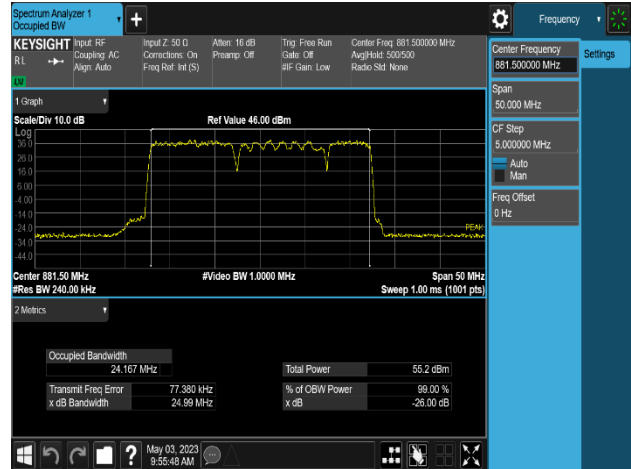


Plot 8-82. Occupied Bandwidth Plot (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_16QAM - Low Channel\_4T, Port 0)

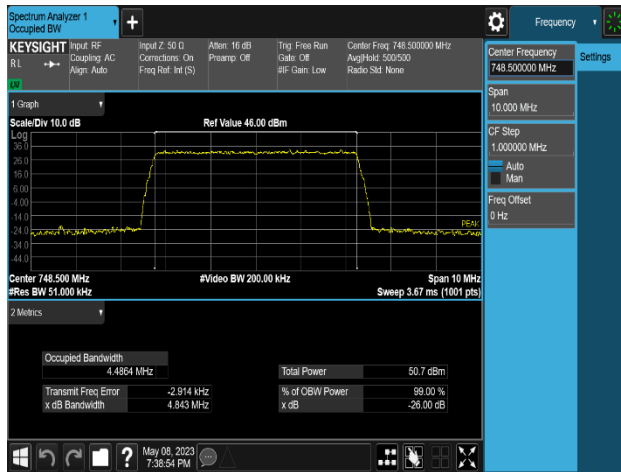
FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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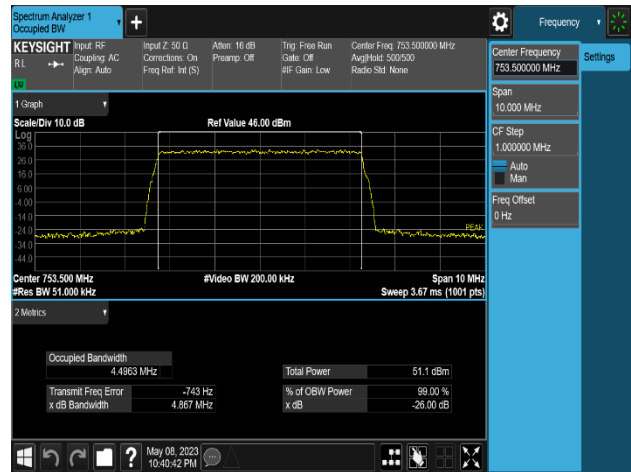
Plot 8-83. Occupied Bandwidth Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_10M+LTE B5\_1C\_5M\_QPSK - Mid Channel\_4T, Port 1)



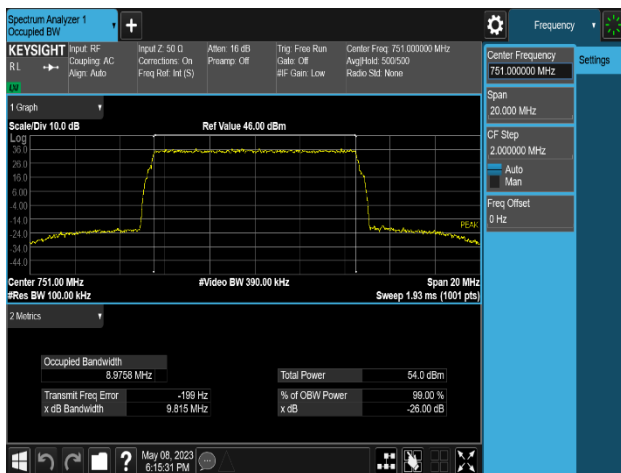
Plot 8-84. Occupied Bandwidth Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_10M+LTE B5\_1C\_5M\_16QAM - Mid Channel\_4T, Port 2)



Plot 8-85. Occupied Bandwidth Plot  
(LTE B13\_1C\_5M\_QPSK - Low Channel\_4T, Port 3)



Plot 8-86. Occupied Bandwidth Plot  
(LTE B13\_1C\_5M\_64QAM - High Channel\_4T, Port 3)

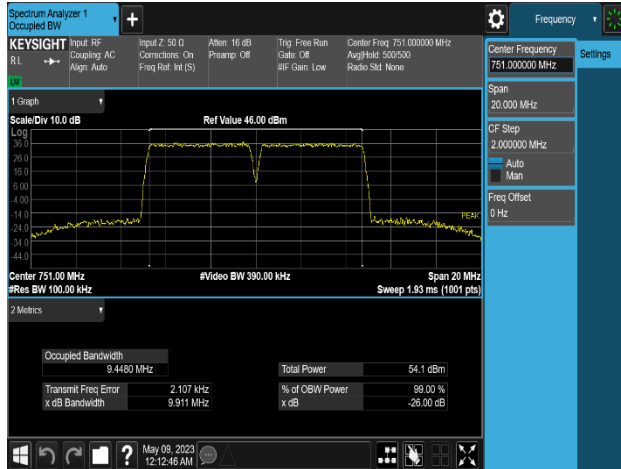


Plot 8-87. Occupied Bandwidth Plot  
(LTE B13\_1C\_10M\_QPSK - Mid Channel\_4T, Port 2)

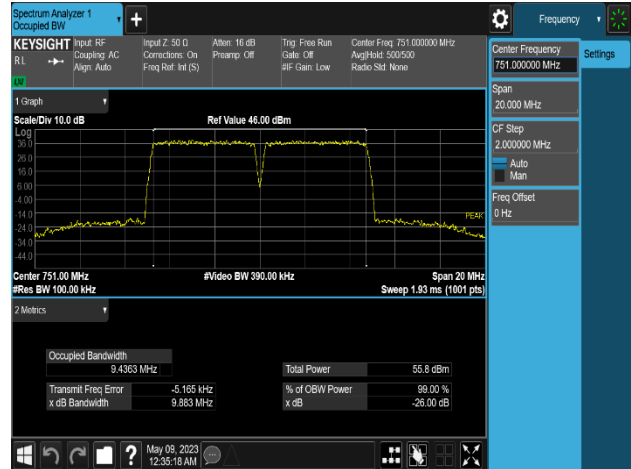


Plot 8-88. Occupied Bandwidth Plot  
(LTE B13\_1C\_10M\_64QAM - Mid Channel\_4T, Port 0)

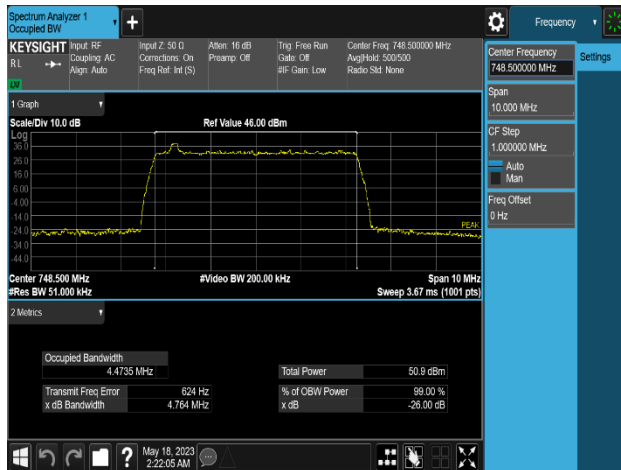
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 51 of 404



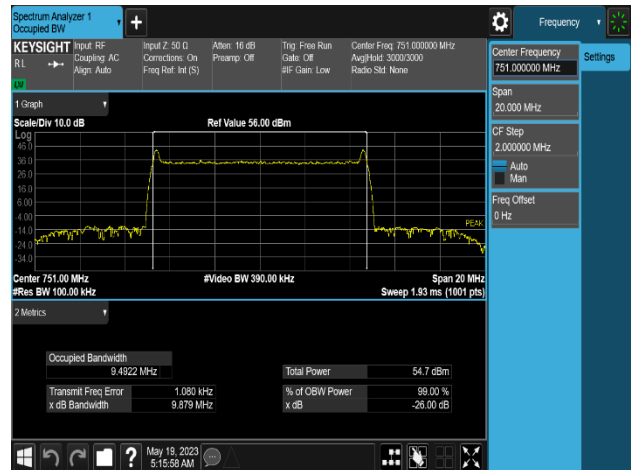
Plot 8-89. Occupied Bandwidth Plot  
(LTE B13\_2C\_5M+5M\_QPSK - Mid Channel\_4T, Port 1)



Plot 8-90. Occupied Bandwidth Plot  
(LTE B13\_2C\_5M+5M\_16QAM - Mid Channel\_4T, Port 3)



Plot 8-91. Occupied Bandwidth Plot  
(LTE B13\_1C\_5M+NB-IoT(11B)\_QPSK - Low Channel\_4T, Port 1)



Plot 8-92. Occupied Bandwidth Plot  
(LTE B13\_1C\_10M+NB-IoT(2GB)\_QPSK - Mid Channel\_4T, Port 2)

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### 8.3 Equivalent Radiated Power

#### 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  
 KDB 662911 D01 v02r01 – Section E)1) In-Band Power Measurements  
 ANSI C63.26-2015 – Section 5.2.4.4.1

#### **Band(n) 5 operation under Part 22**

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. RBW = 1 ~ 5% of the expected OBW
3. VBW ≥ 3 x RBW
4. Span = 2 ~ 3 x OBW
5. No. of sweep points ≥ 2 x span / RBW
6. Detector = RMS
7. Trigger = Free-run
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

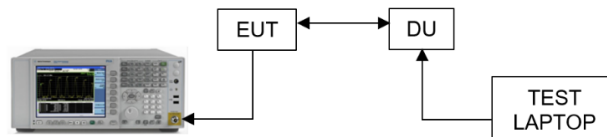
10. The relevant equation for determining the maximum ERP from the measured RF output power is given in Equation as follows:

$$ERP = P_{Meas} + G_T - 2.15 \text{ dBi}$$

where

GT: gain of the transmitting antenna, in dBi (ERP).

#### Test Setup



**Figure 8-2. Test Instrument & Measurement Setup**

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### Band 13 operation under Part 27

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 "SA mode" measurement capability for signals with continuous operation.
2. Set RBW = 1 MHz (the reference bandwidth)
3. VBW  $\geq 3 \times$  RBW
4. Span = 2 ~ 3 x OBW
5. No. of sweep points  $\geq 2 \times$  span / RBW
6. Detector = RMS
7. Trigger = Free-run
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

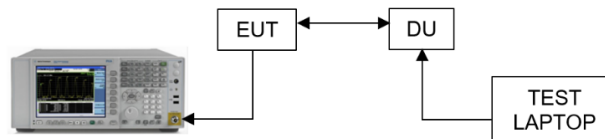
10. The relevant equation for determining the maximum ERP from the measured RF output power is given in Equation as follows:

$$ERP = P_{Meas} + G_T - 2.15 \text{ dBi}$$

where

GT: gain of the transmitting antenna, in dBi (ERP).

### Test Setup



**Figure 8-3. Test Instrument & Measurement Setup**

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**Limit**

**Band(n) 5 operation under Part 22**

§ 22.913(a) (1) (i)

Must not exceed an effective radiated power (ERP) of 500 watts

**Band 13 operation under Part 27**

§ 27.50(b) (4)

Must not exceed an effective radiated power (ERP) of 1000 watts/MHz

Note: The maximum antenna gain and ERP limit are determined at the time of licensing depending on the geographical location of the base station. For limit, an estimated calculate maximum permissible EIRP reported.

**Test Notes**

1. For test results, an estimated calculated maximum permissible EIRP reported. And the required reduction measurements will be performed when after the installation.
2. Consider the following factors for MIMO:  
The output power per each port is measured as dBm/MHz or dBm, the output powers are summed up in linear using the measure-and-sum technique defined in KDB 971168 D01 v03r01 - Section E) 2).
3. The output power per port (dBm/MHz or dBm) is converted to a linear value (mW). A summation of linear powers for all ports gives us the total MIMO Conducted Power (mW). We convert this back to logarithmic scale for further output power calculations.
4. Sample Calculation:  
Let us assume the following numbers:
  - a) Total MIMO Conducted Power as 87413.53 milliWatts
  - b)

	Factors	Value	Unit
Summed MIMO Conducted Power (linear sum)		87413.53	mW/
Summed MIMO Conducted Power (dBm)	$= 10 * \log (87413.53) =$	49.42	dBm

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.47	46.38	46.41	46.37
	1	46.34	46.52	46.53	46.54
Total MIMO Conducted Power (mW)		87413.53	88325.56	88730.20	88432.76
Total MIMO Conducted Power (dBm)		49.42	49.46	49.48	49.47
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.35	46.33	46.35	46.35
	1	<b>46.50</b>	46.49	<b>46.55</b>	46.53
Total MIMO Conducted Power (mW)		87820.27	87519.27	88337.50	88129.89
Total MIMO Conducted Power (dBm)		49.44	49.42	49.46	49.45
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.25	46.19	46.22	46.24
	1	46.43	46.37	46.44	46.40
Total MIMO Conducted Power (mW)		86123.81	84942.15	85934.84	85724.25
Total MIMO Conducted Power (dBm)		49.35	49.29	49.34	49.33

**Table 8-49. Conducted Average Output Power Table (LTE B5\_1C\_5M\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.96	<b>48.01</b>	47.93	47.90
	1	<b>48.04</b>	48.00	47.98	47.91
Total MIMO Conducted Power (mW)		126196.82	126336.92	124892.74	123461.14
Total MIMO Conducted Power (dBm)		51.01	51.02	50.97	50.92
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.89	47.88	47.90	47.88
	1	47.90	47.92	47.97	47.90
Total MIMO Conducted Power (mW)		123177.19	123320.31	124320.89	123035.70
Total MIMO Conducted Power (dBm)		50.91	50.91	50.95	50.90
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.85	47.85	47.84	47.82
	1	47.93	47.88	47.93	47.89
Total MIMO Conducted Power (mW)		123040.59	122329.89	122900.40	122051.77
Total MIMO Conducted Power (dBm)		50.90	50.88	50.90	50.87

**Table 8-50. Conducted Average Output Power Table (LTE B5\_1C\_10M\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 57 of 404	

Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.94	47.86
	1	<b>48.02</b>	<b>47.91</b>
Total MIMO Conducted Power (mW)		125617.00	122895.84
Total MIMO Conducted Power (dBm)		50.99	50.90
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.75	47.82
	1	47.84	47.81
Total MIMO Conducted Power (mW)		120379.71	120928.95
Total MIMO Conducted Power (dBm)		50.81	50.83
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.63	47.65
	1	47.78	47.80
Total MIMO Conducted Power (mW)		117921.98	118466.28
Total MIMO Conducted Power (dBm)		50.72	50.74

**Table 8-51. Conducted Average Output Power Table (LTE B5\_2C\_5M+5M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>48.11</b>	<b>48.15</b>
	1	47.89	48.00
Total MIMO Conducted Power (mW)		126233.95	128410.79
Total MIMO Conducted Power (dBm)		51.01	51.09

**Table 8-52. Conducted Average Output Power Table (LTE B5\_3C\_5M+10M+10M\_2T)**

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 9 : NR 1	Low	0	48.01	48.00	47.43	47.95
		1	<b>48.21</b>	48.14	47.71	48.13
		Total MIMO Conducted Power (mW)	129462.84	128258.57	114355.12	127386.45
		Total MIMO Conducted Power(dBm)	51.12	51.08	50.58	51.05
	Mid	0	48.01	47.97	47.61	47.99
		1	48.10	48.13	47.75	48.17
		Total MIMO Conducted Power (mW)	127806.61	127674.36	117242.86	128565.14
		Total MIMO Conducted Power(dBm)	51.07	51.06	50.69	51.09
	High	0	47.88	47.82	47.36	47.83
		1	48.13	48.04	47.66	48.07
		Total MIMO Conducted Power (mW)	126389.17	124213.64	112794.78	124794.59
		Total MIMO Conducted Power(dBm)	51.02	50.94	50.52	50.96

**Table 8-53. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(9:1 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 8 : NR 2	Low	0	47.92	47.96	47.93	47.94
		1	48.05	48.09	48.08	48.09
		Total MIMO Conducted Power (mW)	125770.46	126934.20	126355.68	126646.96
		Total MIMO Conducted Power(dBm)	51.00	51.04	51.02	51.03
	Mid	0	47.98	47.96	48.02	47.91
		1	48.13	48.11	48.11	48.10
		Total MIMO Conducted Power (mW)	127818.80	127231.53	128101.23	126367.06
		Total MIMO Conducted Power(dBm)	51.07	51.05	51.08	51.02
	High	0	47.80	47.84	47.82	47.85
		1	48.07	48.07	48.09	48.02
		Total MIMO Conducted Power (mW)	124376.92	124934.46	124951.01	124340.66
		Total MIMO Conducted Power(dBm)	50.95	50.97	50.97	50.95

**Table 8-54. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(8:2 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 60 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 7 : NR 3	Low	0	47.96	47.89	47.88	47.90
		1	48.00	48.11	48.09	48.12
		Total MIMO Conducted Power (mW)	125613.00	126231.95	125793.13	126522.94
		Total MIMO Conducted Power(dBm)	50.99	51.01	51.00	51.02
	Mid	0	47.96	47.95	48.01	47.99
		1	48.09	48.07	48.09	48.10
		Total MIMO Conducted Power (mW)	126934.20	126494.44	127658.11	127516.04
		Total MIMO Conducted Power(dBm)	51.04	51.02	51.06	51.06
	High	0	47.81	47.82	47.80	47.76
		1	48.08	48.03	48.07	48.03
		Total MIMO Conducted Power (mW)	124663.63	124067.18	124376.92	123236.62
		Total MIMO Conducted Power(dBm)	50.96	50.94	50.95	50.91

**Table 8-55. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(7:3 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 61 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 6 : NR 4	Low	0	47.88	47.86	47.91	47.91
		1	48.09	48.06	48.06	48.05
		Total MIMO Conducted Power (mW)	125793.13	125067.69	125775.12	125627.99
		Total MIMO Conducted Power(dBm)	51.00	50.97	51.00	50.99
	Mid	0	47.96	47.89	47.94	47.90
		1	48.07	48.07	48.07	48.04
		Total MIMO Conducted Power (mW)	126638.23	125638.64	126350.99	125339.05
		Total MIMO Conducted Power(dBm)	51.03	50.99	51.02	50.98
	High	0	47.76	47.81	47.78	47.80
		1	48.02	48.08	48.05	47.98
		Total MIMO Conducted Power (mW)	123090.50	124663.63	123805.46	123061.79
		Total MIMO Conducted Power(dBm)	50.90	50.96	50.93	50.90

**Table 8-56. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(6:4 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 62 of 404	



DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 5 : NR 5	Low	0	47.88	47.86	47.93	47.87
		1	48.15	48.09	48.09	48.14
		Total MIMO Conducted Power (mW)	126689.26	125511.13	126503.83	126397.88
		Total MIMO Conducted Power(dBm)	51.03	50.99	51.02	51.02
	Mid	0	47.92	47.94	47.89	47.86
		1	48.05	48.06	48.05	48.07
		Total MIMO Conducted Power (mW)	125770.46	126203.51	125344.04	125215.16
		Total MIMO Conducted Power(dBm)	51.00	51.01	50.98	50.98
	High	0	47.77	47.82	47.76	47.74
		1	47.98	48.02	48.00	47.96
		Total MIMO Conducted Power (mW)	122647.00	123921.06	122799.26	121946.49
		Total MIMO Conducted Power(dBm)	50.89	50.93	50.89	50.86

**Table 8-57. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(5:5 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 63 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 4 : NR 6	Low	0	47.88	47.86	47.98	47.91
		1	48.12	48.10	<b>48.19</b>	48.12
		Total MIMO Conducted Power (mW)	126239.64	125659.63	128723.23	126665.08
		Total MIMO Conducted Power(dBm)	51.01	50.99	51.10	51.03
	Mid	0	47.92	47.85	47.95	47.86
		1	48.04	48.06	48.11	48.06
		Total MIMO Conducted Power (mW)	125623.66	124927.17	127087.75	125067.69
		Total MIMO Conducted Power(dBm)	50.99	50.97	51.04	50.97
	High	0	47.74	47.81	47.82	47.72
		1	48.06	48.01	48.03	48.04
		Total MIMO Conducted Power (mW)	123402.70	123636.05	124067.18	122835.72
		Total MIMO Conducted Power(dBm)	50.91	50.92	50.94	50.89

**Table 8-58. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(4:6 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 64 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 3 : NR 7	Low	0	47.86	47.88	47.99	47.89
		1	48.12	48.09	48.11	48.15
		Total MIMO Conducted Power (mW)	125957.65	125793.13	127664.88	126830.74
		Total MIMO Conducted Power(dBm)	51.00	51.00	51.06	51.03
	Mid	0	47.92	47.90	47.96	47.91
		1	48.03	48.07	48.10	48.09
		Total MIMO Conducted Power (mW)	125477.20	125780.46	127082.69	126218.57
		Total MIMO Conducted Power(dBm)	50.99	51.00	51.04	51.01
	High	0	47.79	47.81	47.81	47.81
		1	48.01	47.99	48.08	48.03
		Total MIMO Conducted Power (mW)	123358.56	123345.48	124663.63	123927.96
		Total MIMO Conducted Power(dBm)	50.91	50.91	50.96	50.93

**Table 8-59. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(3:7 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 65 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 2 : NR 8	Low	0	47.91	47.90	47.93	47.90
		1	48.17	48.15	48.13	48.17
		Total MIMO Conducted Power (mW)	127416.17	126972.56	127099.87	127274.03
		Total MIMO Conducted Power(dBm)	51.05	51.04	51.04	51.05
	Mid	0	47.90	47.86	47.91	47.88
		1	48.08	48.07	48.10	48.06
		Total MIMO Conducted Power (mW)	125928.27	125215.16	126367.06	125349.68
		Total MIMO Conducted Power(dBm)	51.00	50.98	51.02	50.98
	High	0	47.73	47.83	47.91	47.87
		1	48.06	48.10	48.05	48.06
		Total MIMO Conducted Power (mW)	123266.02	125239.06	125627.99	125208.52
		Total MIMO Conducted Power(dBm)	50.91	50.98	50.99	50.98

**Table 8-60. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(2:8 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 66 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM
LTE 9 : NR 1	Low	0	47.98	47.83
		1	<b>48.13</b>	48.02
		Total MIMO Conducted Power (mW)	127818.80	124060.60
		Total MIMO Conducted Power(dBm)	51.07	50.94
	Mid	0	47.96	47.92
		1	48.13	48.06
		Total MIMO Conducted Power (mW)	127530.24	125917.59
		Total MIMO Conducted Power(dBm)	51.06	51.00
	High	0	47.82	48.02
		1	48.03	<b>48.16</b>
		Total MIMO Conducted Power (mW)	124067.18	128850.59
		Total MIMO Conducted Power(dBm)	50.94	51.10

**Table 8-61. Conducted Average Output Power Table (DSS B(n)5\_2C\_10M+10M(9:1 Ratio)\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)		Page 67 of 404	

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.16	46.12	46.15	46.17
	1	<b>46.54</b>	46.34	46.50	<b>46.56</b>
Total MIMO Conducted Power (mW)		86386.42	83978.73	85878.11	86689.73
Total MIMO Conducted Power (dBm)		49.36	49.24	49.34	49.38
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.18	46.16	46.16	46.21
	1	46.48	46.52	46.50	46.54
Total MIMO Conducted Power (mW)		85958.53	86179.29	85973.11	86864.71
Total MIMO Conducted Power (dBm)		49.34	49.35	49.34	49.39
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.07	46.11	46.05	46.06
	1	46.45	46.46	46.44	46.47
Total MIMO Conducted Power (mW)		84614.63	85090.78	84327.19	84725.40
Total MIMO Conducted Power (dBm)		49.27	49.30	49.26	49.28

**Table 8-62. Conducted Average Output Power Table (NR n5\_1C\_5M\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 68 of 404	

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.92	47.89	47.89	47.86
	1	<b>48.03</b>	47.99	47.95	48.00
Total MIMO Conducted Power (mW)		125477.20	124468.31	123891.17	124189.94
Total MIMO Conducted Power (dBm)		50.99	50.95	50.93	50.94
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.89	47.91	47.85	47.93
	1	47.98	<b>48.03</b>	48.01	47.97
Total MIMO Conducted Power (mW)		124323.52	125334.73	124194.87	124748.29
Total MIMO Conducted Power (dBm)		50.95	50.98	50.94	50.96
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.86	47.85	47.85	47.73
	1	47.98	47.99	47.90	47.87
Total MIMO Conducted Power (mW)		123900.04	123904.31	122613.19	120527.57
Total MIMO Conducted Power (dBm)		50.93	50.93	50.89	50.81

**Table 8-63. Conducted Average Output Power Table (NR n5\_1C\_10M\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 69 of 404	

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.92	47.90	47.87	47.83
	1	<b>48.10</b>	<b>48.08</b>	48.07	48.01
Total MIMO Conducted Power (mW)		126509.53	125928.27	125356.00	123914.82
Total MIMO Conducted Power (dBm)		51.02	51.00	50.98	50.93
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.83	47.80	47.84	47.82
	1	47.96	47.98	47.98	47.99
Total MIMO Conducted Power (mW)		123190.90	123061.79	123619.34	123484.71
Total MIMO Conducted Power (dBm)		50.91	50.90	50.92	50.92
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	47.78	47.81	47.80	47.79
	1	47.98	48.00	48.03	47.96
Total MIMO Conducted Power (mW)		122784.94	123490.60	123789.05	122634.64
Total MIMO Conducted Power (dBm)		50.89	50.92	50.93	50.89

**Table 8-64. Conducted Average Output Power Table (NR n5\_1C\_15M\_2T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 70 of 404	



Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.91	47.87
	1	<b>48.10</b>	<b>48.13</b>
Total MIMO Conducted Power (mW)		126367.06	126248.01
Total MIMO Conducted Power (dBm)		51.02	51.01
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.96	47.90
	1	48.04	48.04
Total MIMO Conducted Power (mW)		126196.82	125339.05
Total MIMO Conducted Power (dBm)		51.01	50.98
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.80	47.84
	1	47.98	48.06
Total MIMO Conducted Power (mW)		123061.79	124786.98
Total MIMO Conducted Power (dBm)		50.90	50.96

**Table 8-65. Conducted Average Output Power Table (NR n5\_2C\_5M+5M\_2T)**

Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.88	47.82
	1	<b>48.09</b>	<b>48.09</b>
Total MIMO Conducted Power (mW)		125793.13	124951.01
Total MIMO Conducted Power (dBm)		51.00	50.97

**Table 8-66. Conducted Average Output Power Table (NR n5\_2C\_10M+15M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)		Page 71 of 404

Channel	Port	QPSK	16QAM
Low	0	47.92	48.03
	1	<b>48.00</b>	<b>48.04</b>
	Total MIMO Conducted Power (mW)	125039.84	127212.65
	Total MIMO Conducted Power(dBm)	50.97	51.05
Mid	0	47.88	47.88
	1	47.96	47.97
	Total MIMO Conducted Power (mW)	123893.47	124037.59
	Total MIMO Conducted Power(dBm)	50.93	50.94
High	0	47.63	47.66
	1	47.75	47.84
	Total MIMO Conducted Power (mW)	117509.08	119158.01
	Total MIMO Conducted Power(dBm)	50.70	50.76

**Table 8-67. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_2C\_10M+LTE B5\_5M\_2T)**

Channel	Port	QPSK	16QAM
Mid	0	<b>47.92</b>	<b>47.91</b>
	1	47.75	47.80
	Total MIMO Conducted Power (mW)	121512.32	122059.60
	Total MIMO Conducted Power(dBm)	50.85	50.87

**Table 8-68. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)	Page 72 of 404	

Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.92	47.89
	1	<b>48.02</b>	<b>48.02</b>
Total MIMO Conducted Power (mW)		125331.08	124904.66
Total MIMO Conducted Power (dBm)		50.98	50.97
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.88	47.82
	1	48.01	47.92
Total MIMO Conducted Power (mW)		124617.39	122478.19
Total MIMO Conducted Power (dBm)		50.96	50.88
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.76	47.81
	1	47.92	47.95
Total MIMO Conducted Power (mW)		121647.64	122768.35
Total MIMO Conducted Power (dBm)		50.85	50.89

**Table 8-69. Conducted Average Output Power Table (MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T)**

Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	47.69	47.61
	1	<b>47.87</b>	<b>47.78</b>
Total MIMO Conducted Power (mW)		119983.97	117655.75
Total MIMO Conducted Power (dBm)		50.79	50.71

**Table 8-70. Conducted Average Output Power Table (MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)	Page 73 of 404	

Channel	Port	QPSK	16QAM
Low	0	48.21	48.21
	1	<b>48.26</b>	<b>48.26</b>
	Total MIMO Conducted Power (mW)	133210.11	133210.11
	Total MIMO Conducted Power(dBm)	51.25	51.25
Mid	0	48.02	48.08
	1	48.12	48.19
	Total MIMO Conducted Power (mW)	128250.41	130186.16
	Total MIMO Conducted Power(dBm)	51.08	51.15
High	0	47.81	47.84
	1	47.89	47.97
	Total MIMO Conducted Power (mW)	121912.55	123474.89
	Total MIMO Conducted Power(dBm)	50.86	50.92

**Table 8-71. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_2T)**

Channel	Port	QPSK	16QAM
Mid	0	47.82	47.81
	1	<b>48.07</b>	<b>48.00</b>
	Total MIMO Conducted Power (mW)	124655.05	123490.60
	Total MIMO Conducted Power(dBm)	50.96	50.92

**Table 8-72. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Channel	Port	QPSK	16QAM
Low	0	48.06	48.07
	1	<b>48.14</b>	<b>48.21</b>
	Total MIMO Conducted Power (mW)	129136.32	130342.61
	Total MIMO Conducted Power(dBm)	51.11	51.15
Mid	0	48.02	48.07
	1	48.14	48.15
	Total MIMO Conducted Power (mW)	128549.81	129434.01
	Total MIMO Conducted Power(dBm)	51.09	51.12
High	0	47.76	47.94
	1	47.89	48.06
	Total MIMO Conducted Power (mW)	121221.22	126203.51
	Total MIMO Conducted Power(dBm)	50.84	51.01

**Table 8-73. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T)**

Channel	Port	QPSK	16QAM
Mid	0	47.99	47.87
	1	<b>48.05</b>	<b>48.05</b>
	Total MIMO Conducted Power (mW)	126776.97	125061.39
	Total MIMO Conducted Power(dBm)	51.03	50.97

**Table 8-74. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_10M+LTE B5\_1C\_5M\_2T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	<b>43.31</b>	43.18	43.20	43.18
	1	43.15	43.13	43.10	43.15
	2	43.19	43.14	43.08	43.12
	3	43.06	43.04	43.03	43.07
Total MIMO Conducted Power (mW)		83157.81	82099.41	81724.84	82239.22
Total MIMO Conducted Power (dBm)		49.20	49.14	49.12	49.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	43.21	43.23	43.27	<b>43.30</b>
	1	43.09	43.12	43.15	43.15
	2	43.09	43.11	43.11	43.14
	3	43.09	43.06	43.09	43.14
Total MIMO Conducted Power (mW)		82052.39	82244.04	82721.11	83246.02
Total MIMO Conducted Power (dBm)		49.14	49.15	49.18	49.20
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	43.23	43.19	43.22	43.21
	1	43.06	43.08	43.06	43.07
	2	43.09	43.09	43.05	43.07
	3	43.16	43.11	43.14	43.13
Total MIMO Conducted Power (mW)		82339.81	82003.35	82009.55	82053.68
Total MIMO Conducted Power (dBm)		49.16	49.14	49.14	49.14

**Table 8-75. Conducted Average Output Power Table (LTE B5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.43	46.72	46.77	46.82
	1	46.23	46.30	46.27	46.27
	2	46.24	46.32	46.30	46.36
	3	46.25	46.31	46.30	46.33
Total MIMO Conducted Power (mW)		170172.37	175258.50	175213.72	176653.26
Total MIMO Conducted Power (dBm)		52.31	52.44	52.44	52.47
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.73	46.73	46.85	<b>46.88</b>
	1	46.26	46.22	46.20	46.19
	2	46.36	46.28	46.28	46.29
	3	46.31	46.25	46.29	46.30
Total MIMO Conducted Power (mW)		175372.27	173608.70	175125.97	175561.70
Total MIMO Conducted Power (dBm)		52.44	52.40	52.43	52.44
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	<b>46.82</b>	46.72	46.76	46.87
	1	46.15	46.21	46.21	46.30
	2	46.29	46.22	46.27	46.38
	3	46.34	46.33	46.37	46.43
Total MIMO Conducted Power (mW)		174906.19	173605.45	174922.62	178703.86
Total MIMO Conducted Power (dBm)		52.43	52.40	52.43	52.52

**Table 8-76. Conducted Average Output Power Table (LTE B5\_1C\_10M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.22	<b>46.41</b>
	1	46.11	46.16
	2	46.18	46.22
	3	46.14	46.18
Total MIMO Conducted Power (mW)		165321.67	168431.72
Total MIMO Conducted Power (dBm)		52.18	52.26
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.36</b>	46.23
	1	46.09	46.21
	2	46.16	46.21
	3	46.24	46.30
Total MIMO Conducted Power (mW)		167273.13	168199.92
Total MIMO Conducted Power (dBm)		52.23	52.26
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.33	46.39
	1	46.23	46.26
	2	46.27	46.24
	3	46.35	46.34
Total MIMO Conducted Power (mW)		170445.75	170943.37
Total MIMO Conducted Power (dBm)		52.32	52.33

**Table 8-77. Conducted Average Output Power Table (LTE B5\_2C\_5M+5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)		Page 78 of 404



Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.66</b>	<b>46.71</b>
	1	46.19	46.09
	2	46.24	46.26
	3	46.37	46.40
Total MIMO Conducted Power (mW)		173359.50	173444.12
Total MIMO Conducted Power (dBm)		52.39	52.39

**Table 8-78. Conducted Average Output Power Table (LTE B5\_3C\_5M+10M+10M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 79 of 404

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 9 : NR 1	Low	0	46.80	46.51	46.19	46.82
		1	46.24	46.26	45.88	46.30
		2	46.32	46.30	45.91	46.34
		3	46.40	46.29	45.93	46.36
		Total MIMO Conducted Power (mW)	176442.11	172255.99	158485.21	177045.93
		Total MIMO Conducted Power(dBm)	52.47	52.36	52.00	52.48
	Mid	0	46.68	46.71	46.40	46.72
		1	46.16	46.26	45.87	46.25
		2	46.34	46.32	45.85	46.33
		3	46.44	46.43	46.07	46.41
		Total MIMO Conducted Power (mW)	174971.51	175957.21	161205.05	175864.91
		Total MIMO Conducted Power(dBm)	52.43	52.45	52.07	52.45
	High	0	46.79	<b>47.04</b>	46.55	46.89
		1	46.24	46.32	45.82	46.26
		2	46.34	46.34	45.92	46.32
		3	46.50	46.50	46.18	46.42
		Total MIMO Conducted Power (mW)	177546.61	181158.34	163959.52	177840.02
		Total MIMO Conducted Power(dBm)	52.49	52.58	52.15	52.50

**Table 8-79. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(9:1 Ratio)\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 80 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 8 : NR 2	Low	0	46.91	46.95	46.79	46.79
		1	46.34	46.33	46.30	46.34
		2	46.32	46.34	46.35	46.40
		3	46.45	46.41	46.41	46.42
		Total MIMO Conducted Power (mW)	179155.35	179303.53	177315.00	178310.24
		Total MIMO Conducted Power(dBm)	52.53	52.54	52.49	52.51
	Mid	0	46.73	46.77	46.80	46.86
		1	46.23	46.21	46.25	46.28
		2	46.28	46.29	46.33	46.32
		3	46.35	46.41	46.38	46.41
		Total MIMO Conducted Power (mW)	174687.50	175628.61	176437.32	177597.87
		Total MIMO Conducted Power(dBm)	52.42	52.45	52.47	52.49
	High	0	46.95	46.94	47.01	46.96
		1	46.33	46.27	46.30	46.30
		2	46.29	46.28	46.28	46.28
		3	46.41	46.46	46.48	46.48
		Total MIMO Conducted Power (mW)	178810.71	178516.16	179817.29	179242.27
		Total MIMO Conducted Power(dBm)	52.52	52.52	52.55	52.53

**Table 8-80. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(8:2 Ratio)\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 81 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM	64QAM	256QAM
LTE 4 : NR 6	Low	0	46.84	46.80	46.86	46.84
		1	46.30	46.36	46.29	46.28
		2	46.35	46.39	46.36	46.39
		3	46.47	46.44	46.40	46.44
		Total MIMO Conducted Power (mW)	178476.60	178721.07	177991.66	178374.51
		Total MIMO Conducted Power(dBm)	52.52	52.52	52.50	52.51
	Mid	0	46.70	46.79	46.77	46.88
		1	46.25	46.18	46.22	46.22
		2	46.25	46.27	46.37	46.36
		3	46.32	46.36	46.41	46.41
		Total MIMO Conducted Power (mW)	173967.67	174864.01	176516.18	177635.80
		Total MIMO Conducted Power(dBm)	52.40	52.43	52.47	52.50
	High	0	<b>46.99</b>	47.01	46.95	46.95
		1	46.25	46.30	46.28	46.30
		2	46.29	46.30	46.24	46.30
		3	46.47	46.44	46.45	46.46
		Total MIMO Conducted Power (mW)	179093.81	179605.65	178236.68	179119.76
		Total MIMO Conducted Power(dBm)	52.53	52.54	52.51	52.53

**Table 8-81. Conducted Average Output Power Table (DSS B(n)5\_1C\_10M(4:6 Ratio)\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>			<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 82 of 404	

DSS Ratio	Channel	Port	QPSK	16QAM
LTE 9 : NR 1	Low	0	46.82	46.84
		1	46.40	46.39
		2	46.50	46.16
		3	46.51	46.09
		Total MIMO Conducted Power (mW)	181175.21	173806.15
		Total MIMO Conducted Power(dBm)	52.58	52.40
	Mid	0	46.87	46.85
		1	46.45	46.43
		2	46.49	46.57
		3	46.51	46.67
		Total MIMO Conducted Power (mW)	182134.72	184217.09
		Total MIMO Conducted Power(dBm)	52.60	52.65
	High	0	<b>46.88</b>	<b>46.85</b>
		1	46.42	46.38
		2	46.56	46.51
		3	46.64	46.54
		Total MIMO Conducted Power (mW)	184027.43	181721.26
		Total MIMO Conducted Power(dBm)	52.65	52.59

**Table 8-82. Conducted Average Output Power Table (DSS B(n)\_2C\_10M+10M(9:1 Ratio)\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 83 of 404	

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	43.32	43.35	43.37	43.39
	1	43.25	43.22	43.25	43.30
	2	43.18	43.23	43.25	43.32
	3	43.23	43.23	43.26	43.29
Total MIMO Conducted Power (mW)		84447.95	84692.15	85180.40	86015.67
Total MIMO Conducted Power (dBm)		49.27	49.28	49.30	49.35
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	<b>43.39</b>	43.38	43.43	<b>43.44</b>
	1	43.26	43.23	43.29	43.28
	2	43.27	43.24	43.27	43.25
	3	43.29	43.27	43.28	43.34
Total MIMO Conducted Power (mW)		85573.80	85133.61	85873.55	86073.77
Total MIMO Conducted Power (dBm)		49.32	49.30	49.34	49.35
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	43.31	43.30	43.31	43.35
	1	43.25	43.26	43.27	43.29
	2	43.23	43.21	43.22	43.24
	3	43.34	43.36	43.33	43.40
Total MIMO Conducted Power (mW)		85179.02	85181.40	85178.57	85921.53
Total MIMO Conducted Power (dBm)		49.30	49.30	49.30	49.34

**Table 8-83. Conducted Average Output Power Table (NR n5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.56	46.84	46.80	<b>46.85</b>
	1	46.18	46.26	46.29	46.29
	2	46.24	46.35	46.30	46.32
	3	46.26	46.31	46.31	46.32
Total MIMO Conducted Power (mW)		171124.69	176480.94	175837.09	176686.78
Total MIMO Conducted Power (dBm)		52.33	52.47	52.45	52.47
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	<b>46.82</b>	46.78	46.76	46.78
	1	46.23	46.32	46.31	46.29
	2	46.23	46.32	46.35	46.38
	3	46.31	46.40	46.35	46.42
Total MIMO Conducted Power (mW)		174792.02	177004.39	176484.30	177507.03
Total MIMO Conducted Power (dBm)		52.43	52.48	52.47	52.49
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.72	46.77	46.66	46.65
	1	46.24	46.29	46.22	46.23
	2	46.39	46.40	46.32	46.42
	3	46.53	46.54	46.42	46.54
Total MIMO Conducted Power (mW)		177591.25	178826.62	174931.97	177148.74
Total MIMO Conducted Power (dBm)		52.49	52.52	52.43	52.48

**Table 8-84. Conducted Average Output Power Table (NR n5\_1C\_10M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.57	46.75	46.74	46.73
	1	46.18	46.21	46.24	46.25
	2	46.20	46.35	46.33	46.35
	3	46.37	46.40	46.33	46.36
Total MIMO Conducted Power (mW)		171927.59	175901.65	175186.25	175670.67
Total MIMO Conducted Power (dBm)		52.35	52.45	52.44	52.45
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	46.69	46.72	46.69	46.66
	1	46.18	46.26	46.21	46.15
	2	46.33	46.34	46.39	46.30
	3	46.40	46.38	46.39	46.40
Total MIMO Conducted Power (mW)		174766.57	175759.96	175551.35	173863.98
Total MIMO Conducted Power (dBm)		52.42	52.45	52.44	52.40
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Conducted Average Power (dBm)	0	<b>46.71</b>	46.67	46.70	<b>46.75</b>
	1	46.19	46.17	46.16	46.11
	2	46.38	46.30	46.27	46.26
	3	46.51	46.39	46.32	46.36
Total MIMO Conducted Power (mW)		176694.75	174060.63	173297.41	173665.31
Total MIMO Conducted Power (dBm)		52.47	52.41	52.39	52.40


**Table 8-85. Conducted Average Output Power Table (NR n5\_1C\_15M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.71</b>	<b>46.71</b>
	1	46.17	46.22
	2	46.26	46.28
	3	46.31	46.29
Total MIMO Conducted Power (mW)		173304.46	173782.49
Total MIMO Conducted Power (dBm)		52.39	52.40
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.67	46.68
	1	46.18	46.16
	2	46.24	46.24
	3	46.31	46.30
Total MIMO Conducted Power (mW)		172775.88	172593.97
Total MIMO Conducted Power (dBm)		52.37	52.37
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.60	46.64
	1	46.17	46.15
	2	46.27	46.30
	3	46.33	46.41
Total MIMO Conducted Power (mW)		172426.73	173751.67
Total MIMO Conducted Power (dBm)		52.37	52.40

**Table 8-86. Conducted Average Output Power Table (NR n5\_2C\_5M+5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)	Page 87 of 404	

Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.70</b>	<b>46.66</b>
	1	46.25	46.16
	2	46.31	46.31
	3	46.39	46.38
Total MIMO Conducted Power (mW)		175250.64	173856.75
Total MIMO Conducted Power (dBm)		52.44	52.40

**Table 8-87. Conducted Average Output Power Table (NR n5\_2C\_10M+15M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 88 of 404

Channel	Port	QPSK	16QAM
Low	0	46.44	<b>46.76</b>
	1	46.39	46.38
	2	46.41	46.51
	3	46.51	46.56
	Total MIMO Conducted Power (mW)	176130.21	180936.31
	Total MIMO Conducted Power(dBm)	52.46	52.58
Mid	0	<b>46.77</b>	46.69
	1	46.30	46.26
	2	46.49	46.53
	3	46.57	46.59
	Total MIMO Conducted Power (mW)	180151.26	179514.48
	Total MIMO Conducted Power(dBm)	52.56	52.54
High	0	46.62	46.60
	1	46.11	46.14
	2	46.39	46.43
	3	46.42	46.40
	Total MIMO Conducted Power (mW)	174156.00	174429.54
	Total MIMO Conducted Power(dBm)	52.41	52.42

**Table 8-88. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_2C\_10M+LTE B5\_5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)	Page 89 of 404	

Channel	Port	QPSK	16QAM
Mid	0	<b>46.24</b>	<b>46.45</b>
	1	45.82	45.92
	2	45.94	46.02
	3	46.05	46.02
	Total MIMO Conducted Power (mW)	159803.29	163230.08
	Total MIMO Conducted Power(dBm)	52.04	52.13

**Table 8-89. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 90 of 404

Low Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.57	46.69
	1	46.27	46.32
	2	46.31	46.41
	3	46.44	46.44
Total MIMO Conducted Power (mW)		174570.23	177328.49
Total MIMO Conducted Power (dBm)		52.42	52.49
Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.76</b>	<b>46.74</b>
	1	46.39	46.36
	2	46.42	46.39
	3	46.46	46.45
Total MIMO Conducted Power (mW)		179087.29	178165.92
Total MIMO Conducted Power (dBm)		52.53	52.51
High Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	46.64	46.65
	1	46.23	46.28
	2	46.38	46.41
	3	46.43	46.44
Total MIMO Conducted Power (mW)		175512.84	176507.76
Total MIMO Conducted Power (dBm)		52.44	52.47

**Table 8-90. Conducted Average Output Power Table (MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)		Page 91 of 404


Middle Channel	Port	QPSK	16QAM
Conducted Average Power (dBm)	0	<b>46.23</b>	<b>46.43</b>
	1	45.96	46.13
	2	46.08	46.15
	3	46.22	46.25
Total MIMO Conducted Power (mW)		163851.84	168353.97
Total MIMO Conducted Power (dBm)		52.14	52.26

**Table 8-91. Conducted Average Output Power Table (MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 92 of 404

Channel	Port	QPSK	16QAM
Low	0	<b>46.66</b>	<b>46.60</b>
	1	46.11	46.07
	2	46.26	46.16
	3	46.18	46.23
	Total MIMO Conducted Power (mW)	170938.90	169447.06
	Total MIMO Conducted Power(dBm)	52.33	52.29
Mid	0	46.56	46.55
	1	46.00	45.91
	2	46.18	46.13
	3	46.18	46.06
	Total MIMO Conducted Power (mW)	168091.28	165564.74
	Total MIMO Conducted Power(dBm)	52.26	52.19
High	0	46.41	46.45
	1	45.79	45.82
	2	46.04	45.97
	3	46.03	46.09
	Total MIMO Conducted Power (mW)	161949.46	162532.47
	Total MIMO Conducted Power(dBm)	52.09	52.11

**Table 8-92. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23073101-00.A3L	Test Dates: 04/12/2023 - 08/03/2023	EUT Type: RRU(RF4461d)	Page 93 of 404	

Channel	Port	QPSK	16QAM
Mid	0	<b>46.55</b>	<b>46.61</b>
	1	46.01	46.14
	2	46.04	46.19
	3	46.20	46.25
	Total MIMO Conducted Power (mW)	166954.10	170689.87
	Total MIMO Conducted Power(dBm)	52.23	52.32

**Table 8-93. Conducted Average Output Power Table (MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 94 of 404



Channel	Port	QPSK	16QAM
Low	0	<b>46.65</b>	46.47
	1	46.05	45.92
	2	46.14	46.02
	3	46.20	46.09
	Total MIMO Conducted Power (mW)	169311.72	164083.76
	Total MIMO Conducted Power(dBm)	52.29	52.15
Mid	0	46.55	<b>46.62</b>
	1	46.03	46.04
	2	46.08	46.21
	3	46.16	46.26
	Total MIMO Conducted Power (mW)	167127.87	170148.78
	Total MIMO Conducted Power(dBm)	52.23	52.31
High	0	46.47	46.53
	1	45.93	45.86
	2	46.09	46.05
	3	46.19	46.16
	Total MIMO Conducted Power (mW)	165770.45	165102.27
	Total MIMO Conducted Power(dBm)	52.20	52.18

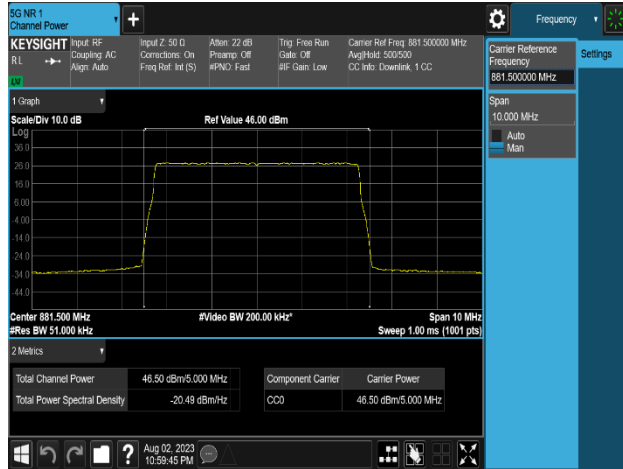
**Table 8-94. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_4T)**

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)	Page 95 of 404	

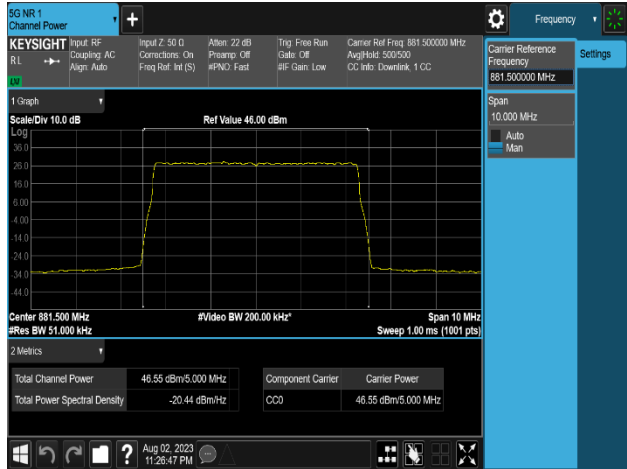
Channel	Port	QPSK	16QAM
Mid	0	<b>46.44</b>	<b>46.40</b>
	1	46.00	45.89
	2	46.04	45.96
	3	46.17	46.06
	Total MIMO Conducted Power (mW)	165445.25	162276.89
	Total MIMO Conducted Power(dBm)	52.19	52.10

**Table 8-95. Conducted Average Output Power Table (MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_10M+LTE B5\_1C\_5M\_4T)**

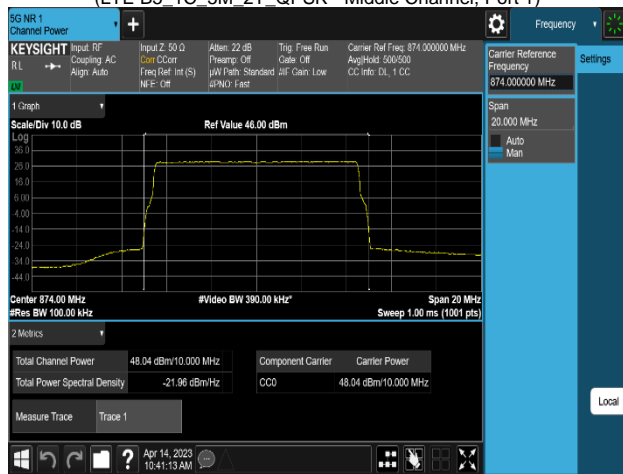
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 96 of 404



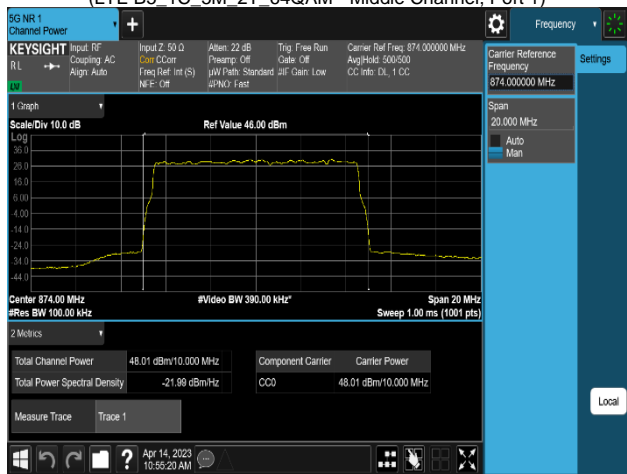
Plot 8-93. Conducted Average Output Power Plot  
(LTE B5\_1C\_5M\_2T\_QPSK - Middle Channel, Port 1)



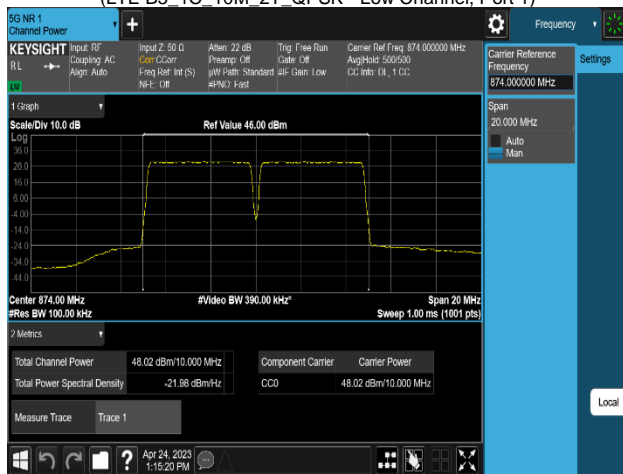
Plot 8-94. Conducted Average Output Power Plot  
(LTE B5\_1C\_5M\_2T\_64QAM - Middle Channel, Port 1)



Plot 8-95. Conducted Average Output Power Plot  
(LTE B5\_1C\_10M\_2T\_QPSK - Low Channel, Port 1)



Plot 8-96. Conducted Average Output Power Plot  
(LTE B5\_1C\_5M\_2T\_64QAM - Middle Channel, Port 1)

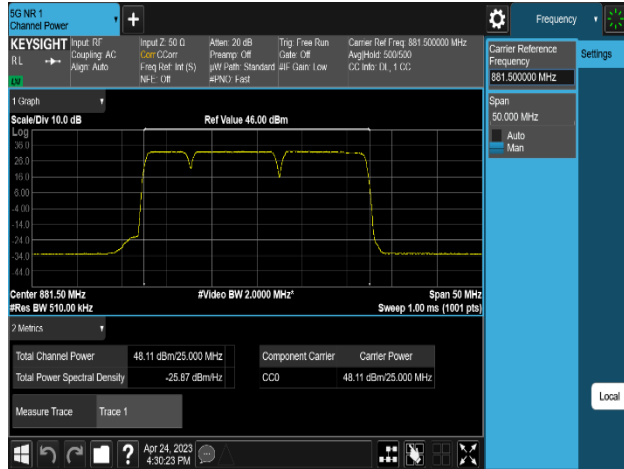


Plot 8-97. Conducted Average Output Power Plot  
(LTE B5\_2C\_5M+5M\_2T\_QPSK - Low Channel, Port 1)

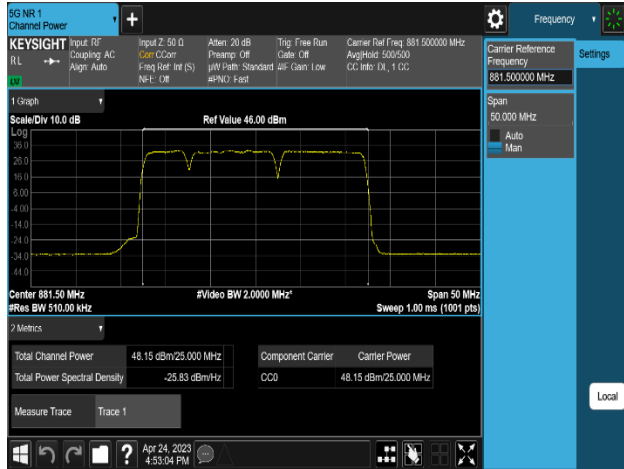


Plot 8-98. Conducted Average Output Power Plot  
(LTE B5\_2C\_5M+5M\_2T\_16QAM - Low Channel, Port 1)

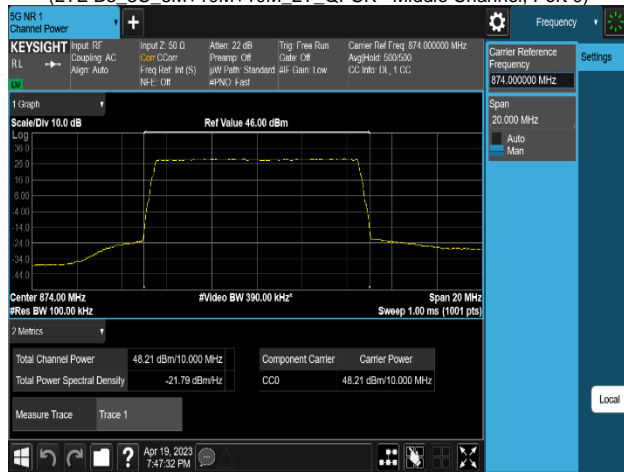
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 97 of 404



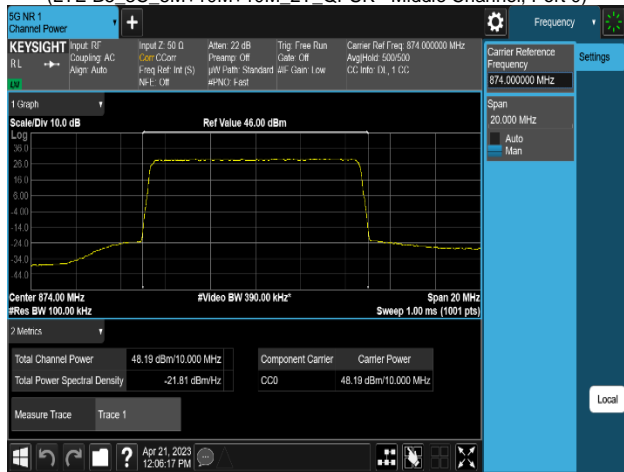
Plot 8-99. Conducted Average Output Power Plot  
(LTE B5\_3C\_5M+10M+10M\_2T\_QPSK - Middle Channel, Port 0)



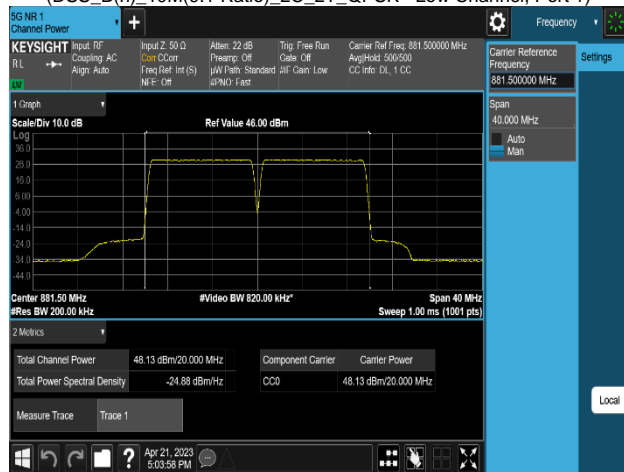
Plot 8-100. Conducted Average Output Power Plot  
(LTE B5\_3C\_5M+10M+10M\_2T\_QPSK - Middle Channel, Port 0)



Plot 8-101. Conducted Average Output Power Plot  
(DSS\_B(n)\_10M(9:1 Ratio)\_2C\_2T\_QPSK - Low Channel, Port 1)



Plot 8-102. Conducted Average Output Power Plot  
(DSS\_B(n)\_10M(4:6 Ratio)\_2C\_2T\_64QAM - Low Channel, Port 1)

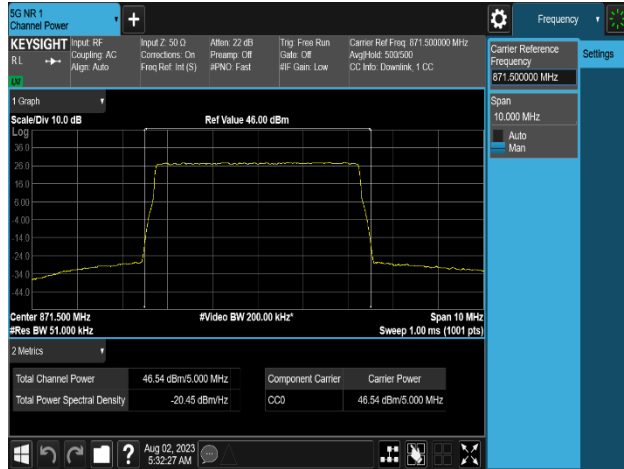


Plot 8-103. Conducted Average Output Power Plot  
(DSS\_B(n)\_2C\_10M+10M\_2T\_QPSK - Low Channel, Port 1)

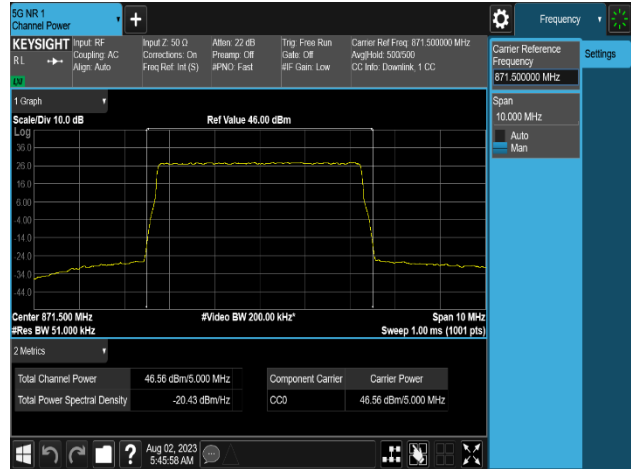


Plot 8-104. Conducted Average Output Power Plot  
(DSS\_B(n)\_2C\_10M+10M\_2T\_QPSK - High Channel, Port 1)

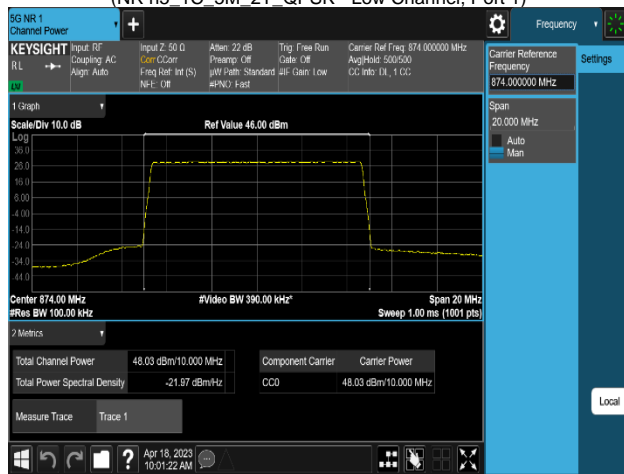
FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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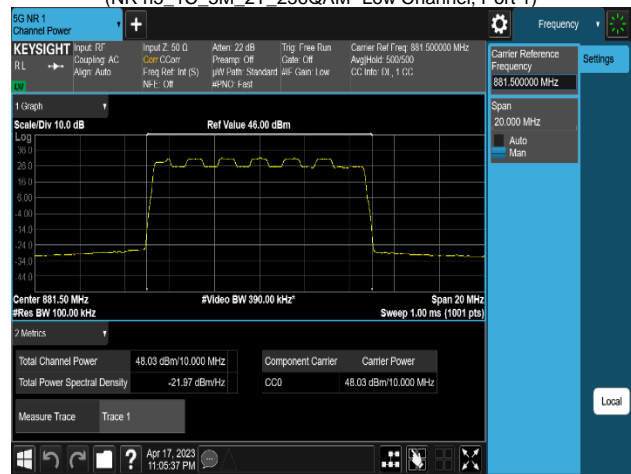
Plot 8-105. Conducted Average Output Power Plot (NR n5\_1C\_5M\_2T\_QPSK - Low Channel, Port 1)



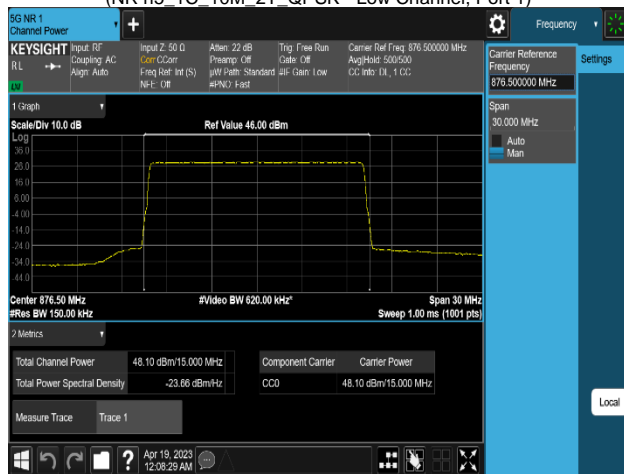
Plot 8-106. Conducted Average Output Power Plot (NR n5\_1C\_5M\_2T\_256QAM- Low Channel, Port 1)



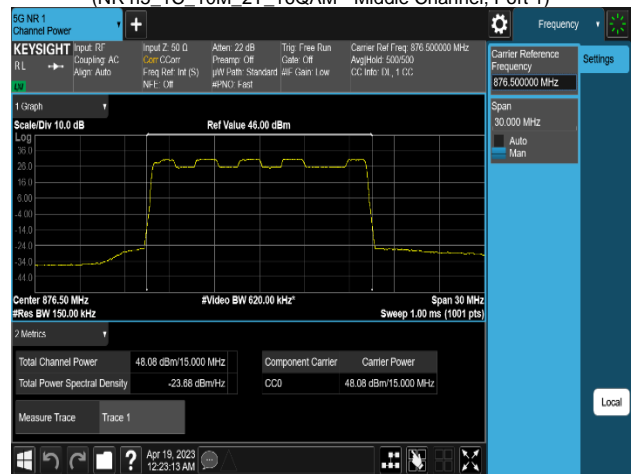
Plot 8-107. Conducted Average Output Power Plot (NR n5\_1C\_10M\_2T\_QPSK - Low Channel, Port 1)



Plot 8-108. Conducted Average Output Power Plot (NR n5\_1C\_5M\_2T\_256QAM- Middle Channel, Port 1)

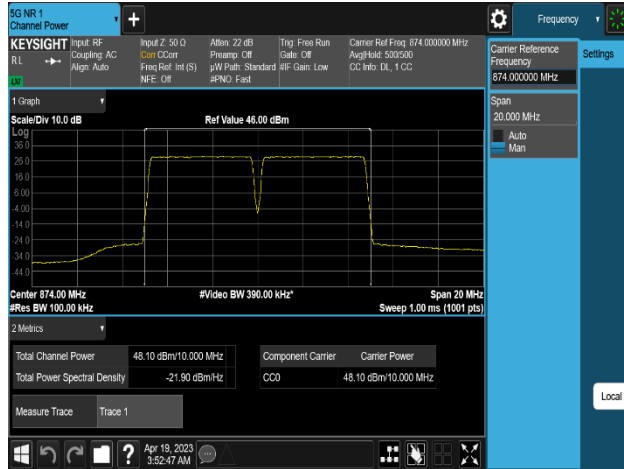


Plot 8-109. Conducted Average Output Power Plot (NR n5\_1C\_15M\_2T\_QPSK - Low Channel, Port 1)

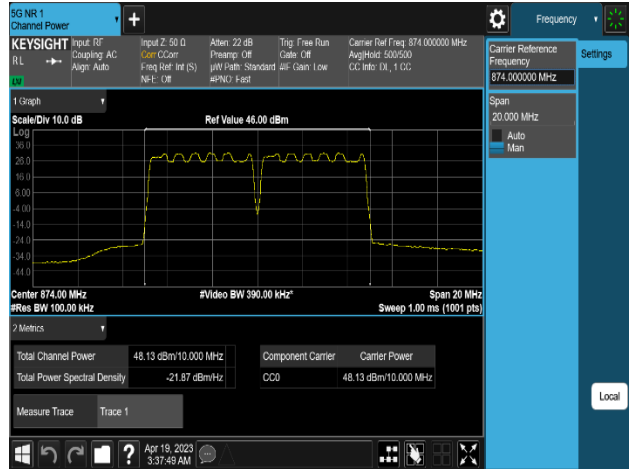


Plot 8-110. Conducted Average Output Power Plot (NR n5\_1C\_15M\_2T\_16QAM - Low Channel, Port 1)

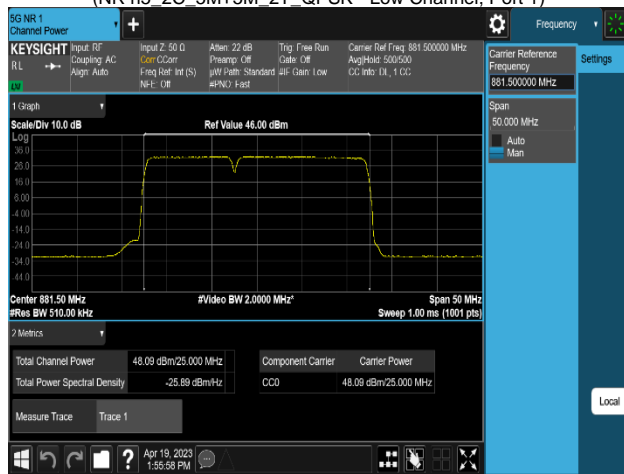
FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 99 of 404



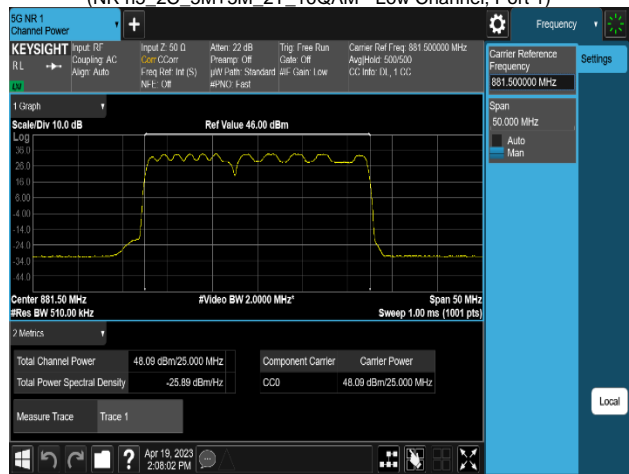
Plot 8-111. Conducted Average Output Power Plot (NR n5\_2C\_5M+5M\_2T\_QPSK - Low Channel, Port 1)



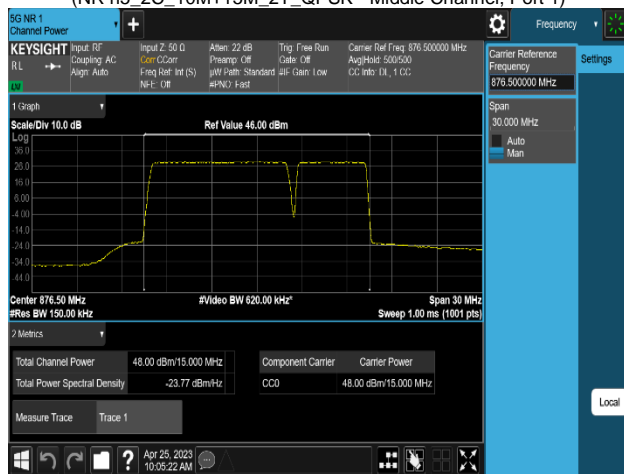
Plot 8-112. Conducted Average Output Power Plot (NR n5\_2C\_5M+5M\_2T\_16QAM - Low Channel, Port 1)



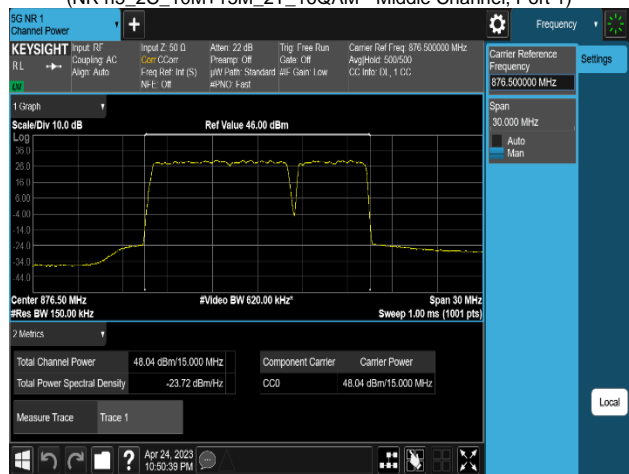
Plot 8-113. Conducted Average Output Power Plot (NR n5\_2C\_10M+15M\_2T\_QPSK - Middle Channel, Port 1)



Plot 8-114. Conducted Average Output Power Plot (NR n5\_2C\_10M+15M\_2T\_16QAM - Middle Channel, Port 1)

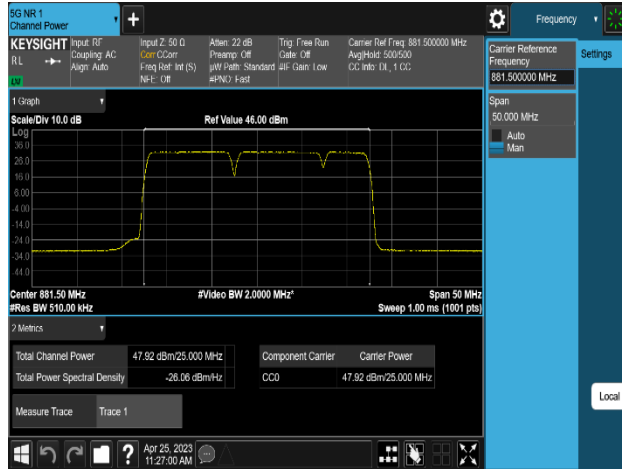


Plot 8-115. Conducted Average Output Power Plot (MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_5M\_2T\_QPSK - Low Channel, Port 1)

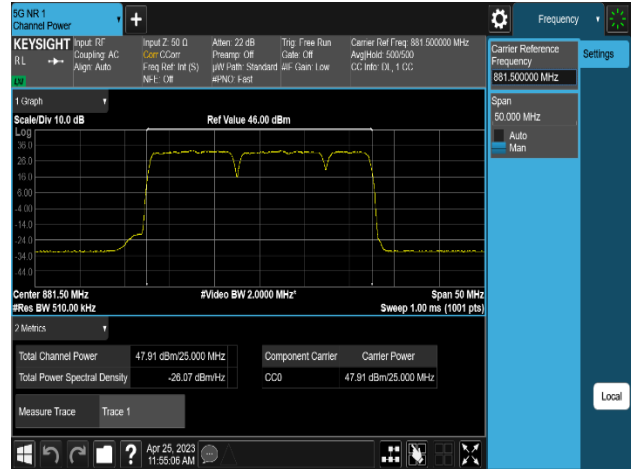


Plot 8-116. Conducted Average Output Power Plot (MSR 2C\_DSS B(n)5\_1C\_10M+LTE B5\_5M\_2T\_16QAM - Low Channel, Port 1)

FCC ID: A3LRF4461D-13A		<b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
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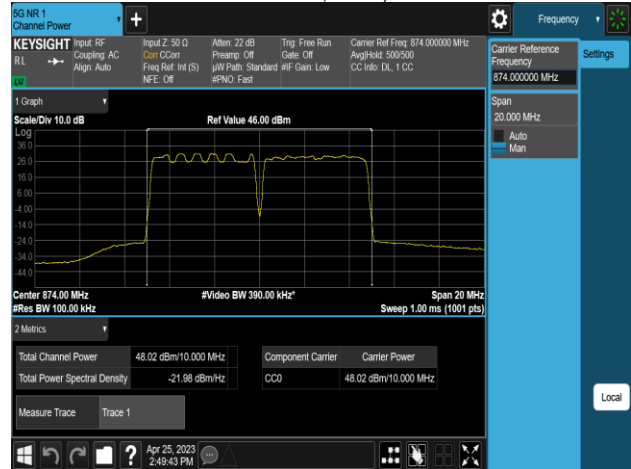
Plot 8-117. Conducted Average Output Power Plot (MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T\_QPSK - Mid Channel, Port 1)



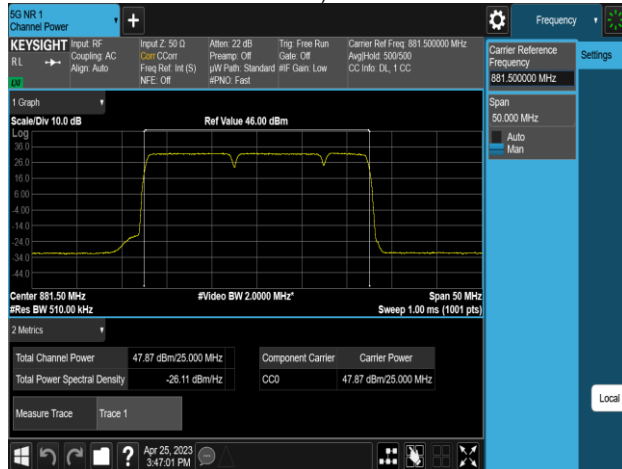
Plot 8-118. Conducted Average Output Power Plot (MSR 3C\_DSS B(n)5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T\_16QAM - Mid Channel, Port 0)



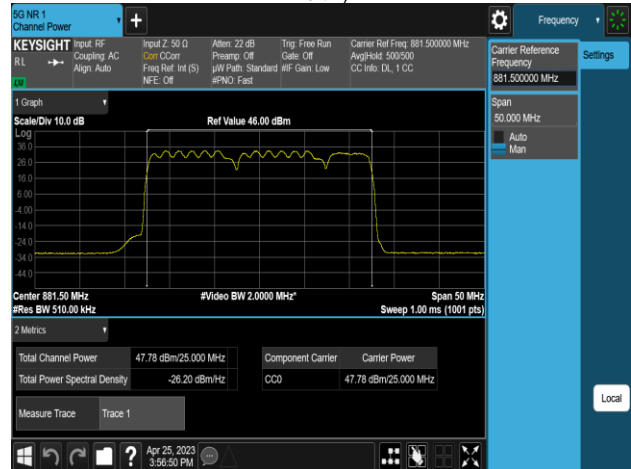
Plot 8-119. Conducted Average Output Power Plot (MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T\_QPSK - Low Channel, Port 1)



Plot 8-120. Conducted Average Output Power Plot (MSR 2C\_NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T\_16QAM - Low Channel, Port 1)



Plot 8-121. Conducted Average Output Power Plot (MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T\_QPSK - Middle Channel, Port 1)

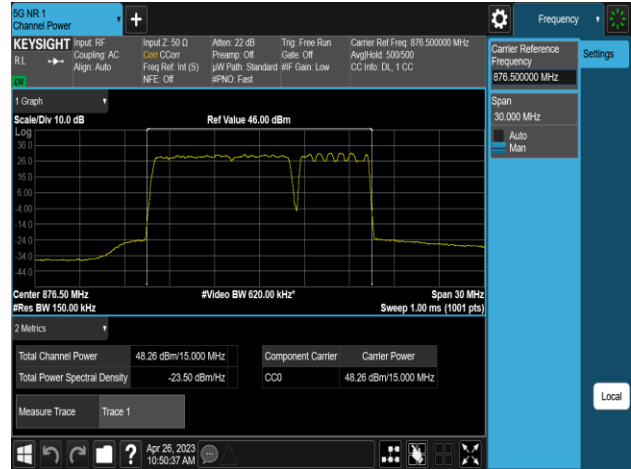


Plot 8-122. Conducted Average Output Power Plot (MSR 3C\_NR n5\_2C\_10M+10M+LTE B5\_1C\_5M\_2T\_16QAM - Middle Channel, Port 1)

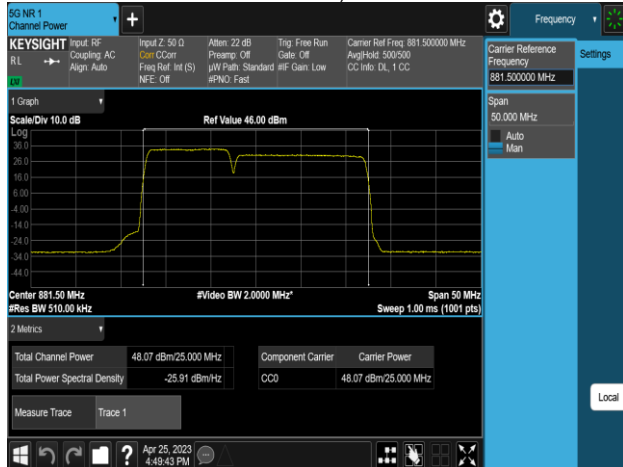
FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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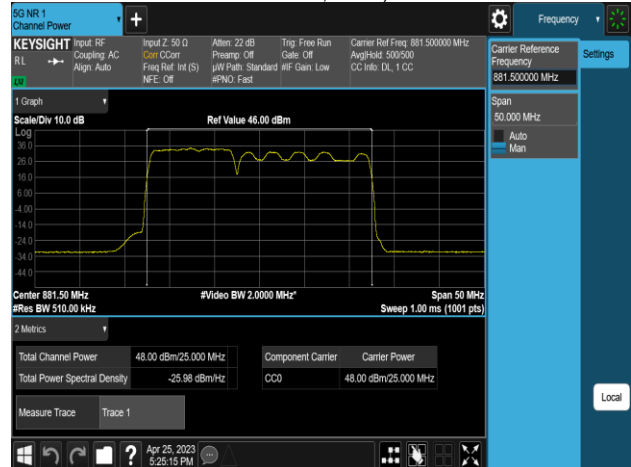
Plot 8-123. Conducted Average Output Power Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_2T\_QPSK - Low Channel, Port 1)



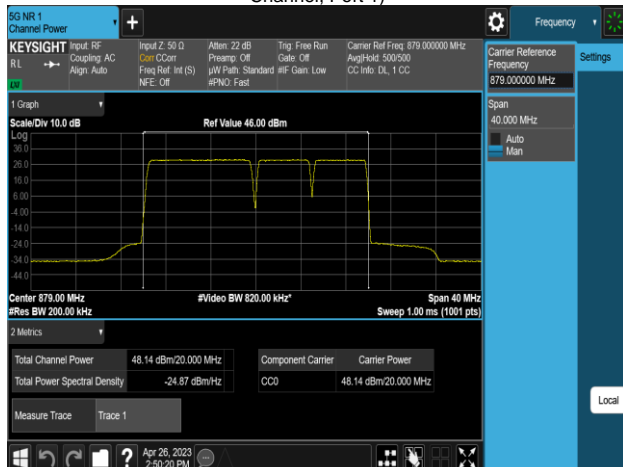
Plot 8-124. Conducted Average Output Power Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M\_2T\_16QAM - Low Channel, Port 1)



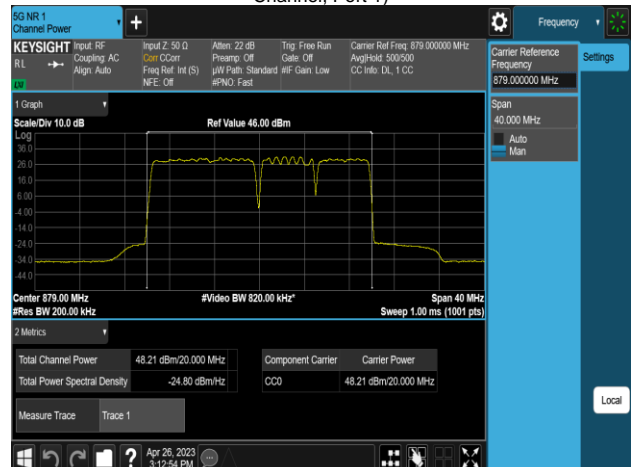
Plot 8-125. Conducted Average Output Power Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_2T\_QPSK - Middle Channel, Port 1)



Plot 8-126. Conducted Average Output Power Plot  
(MSR 2C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_15M\_2T\_16QAM - Middle Channel, Port 1)



Plot 8-127. Conducted Average Output Power Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T\_QPSK - Low Channel, Port 1)



Plot 8-128. Conducted Average Output Power Plot  
(MSR 3C\_DSS B(n)5\_1C\_10M+NR n5\_1C\_5M+LTE B5\_1C\_5M\_2T\_16QAM - Low Channel, Port 1)

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<b>Test Report S/N:</b> 8K23073101-00.A3L	<b>Test Dates:</b> 04/12/2023 - 08/03/2023	<b>EUT Type:</b> RRU(RF4461d)		Page 102 of 404