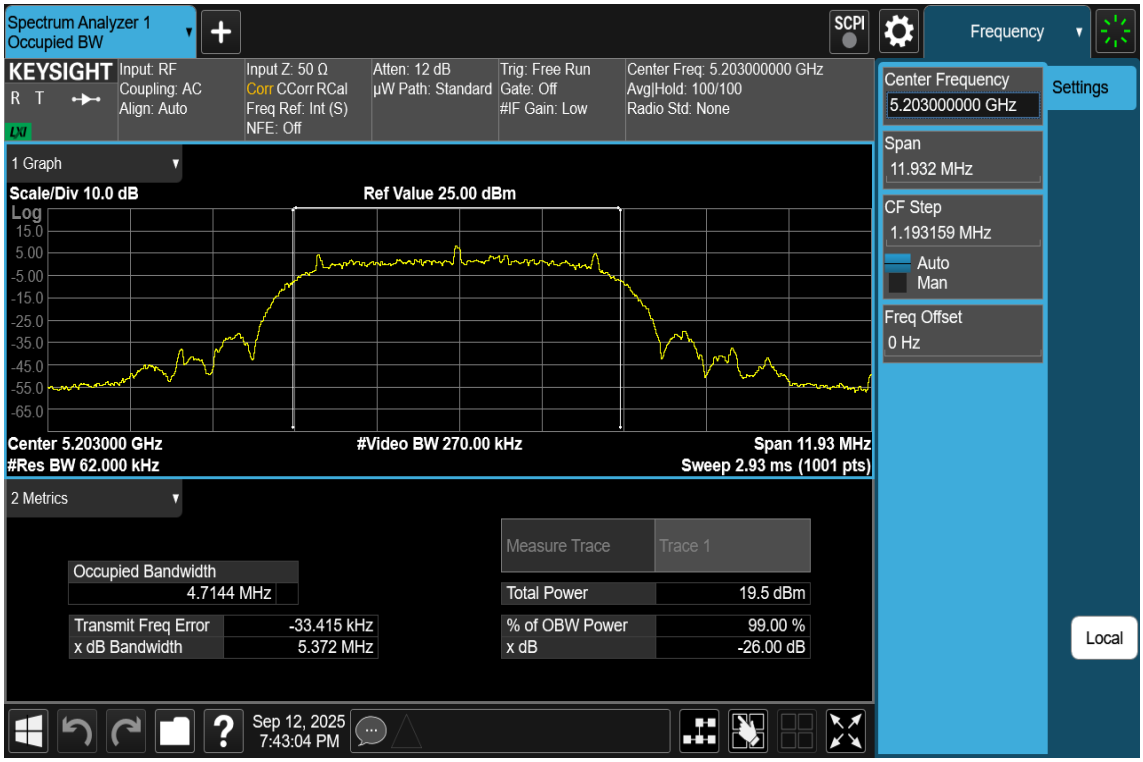
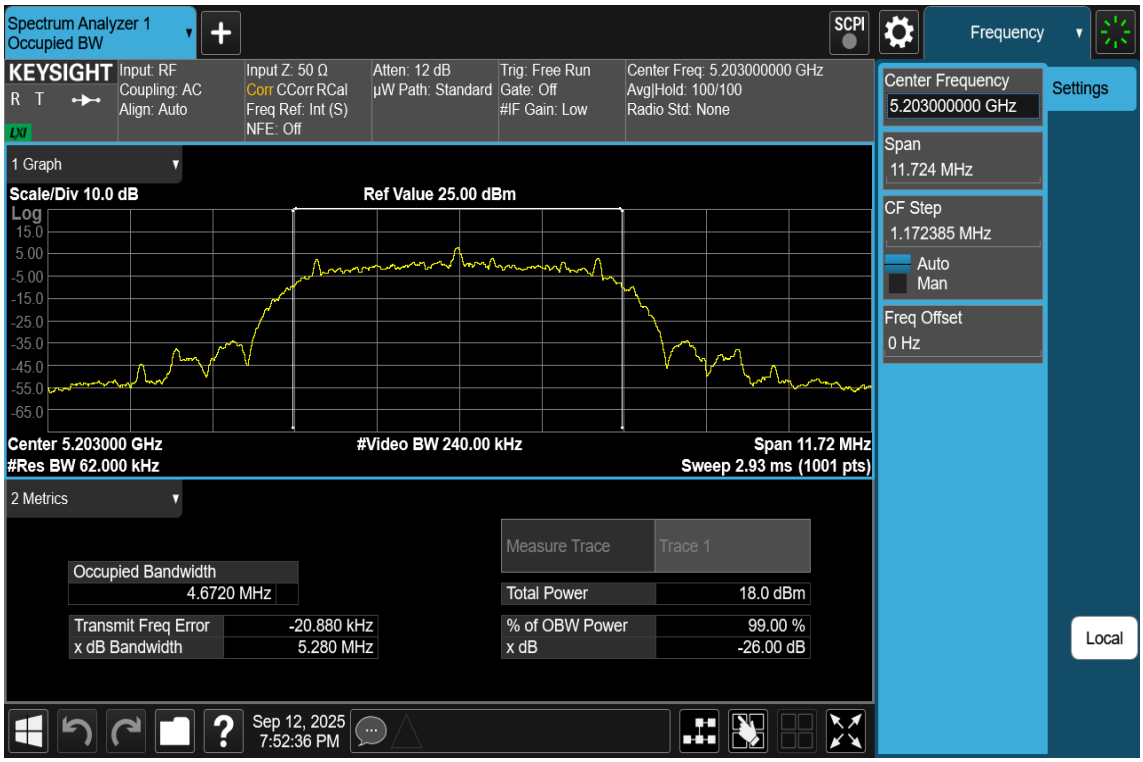


Plot 7-59. 26dB BW & 99% OBW Antenna 1b (NB UNII XHDRPM6, ePA– 5203MHz)



Plot 7-60. 26dB BW & 99% OBW Antenna 1b (NB UNII HDRPM16, ePA– 5203MHz)

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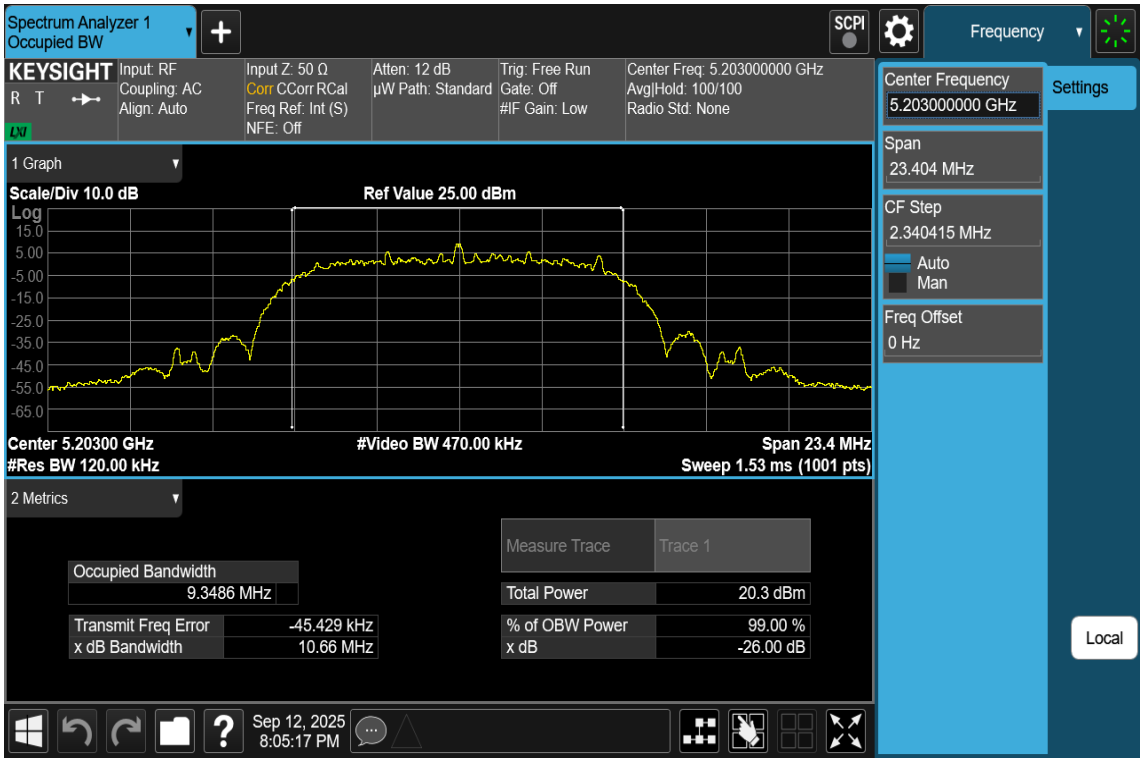
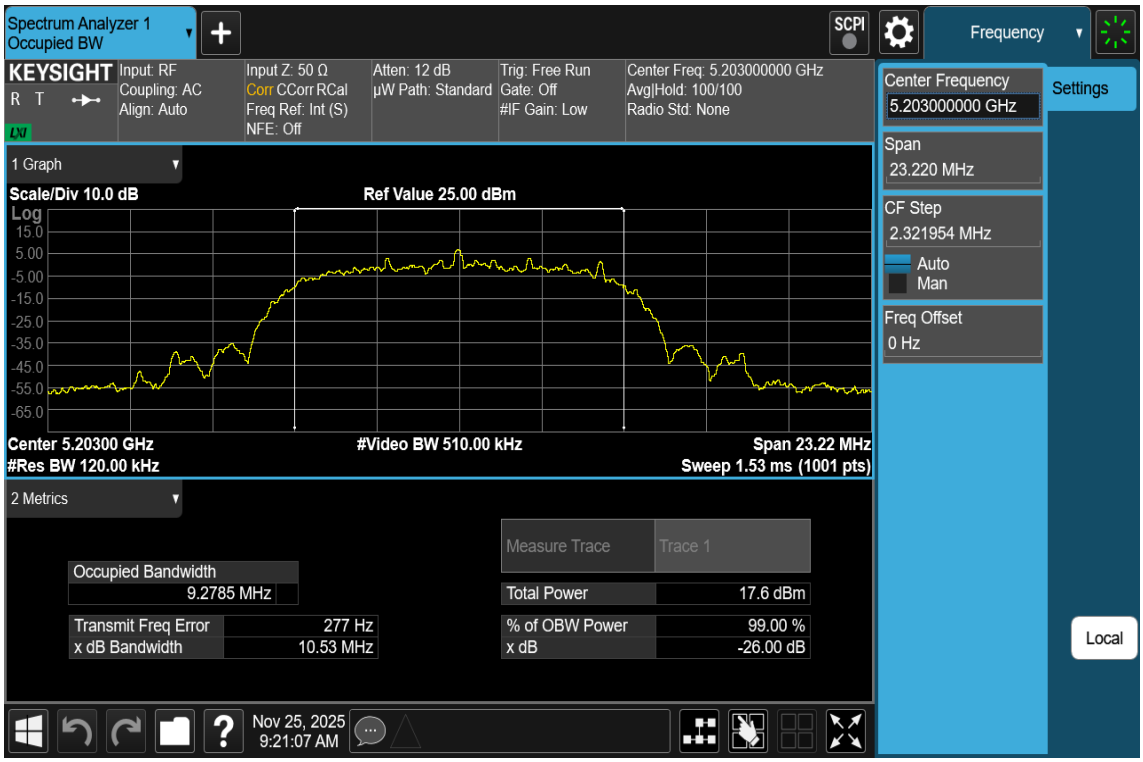


Plot 7-61. 26dB BW & 99% OBW Antenna 1b (NB UNII HDRPL12, ePA– 5203MHz)



Plot 7-62. 26dB BW & 99% OBW Antenna 1b (NB UNII HDRPL32, ePA– 5203MHz)

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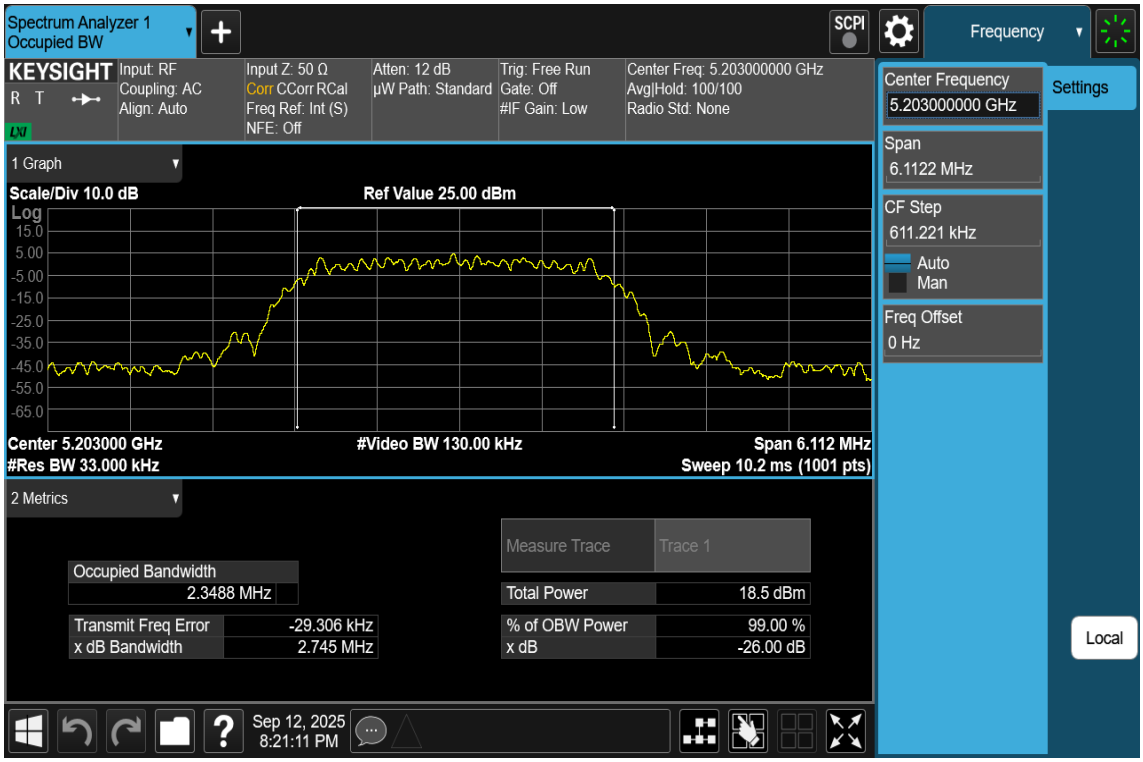
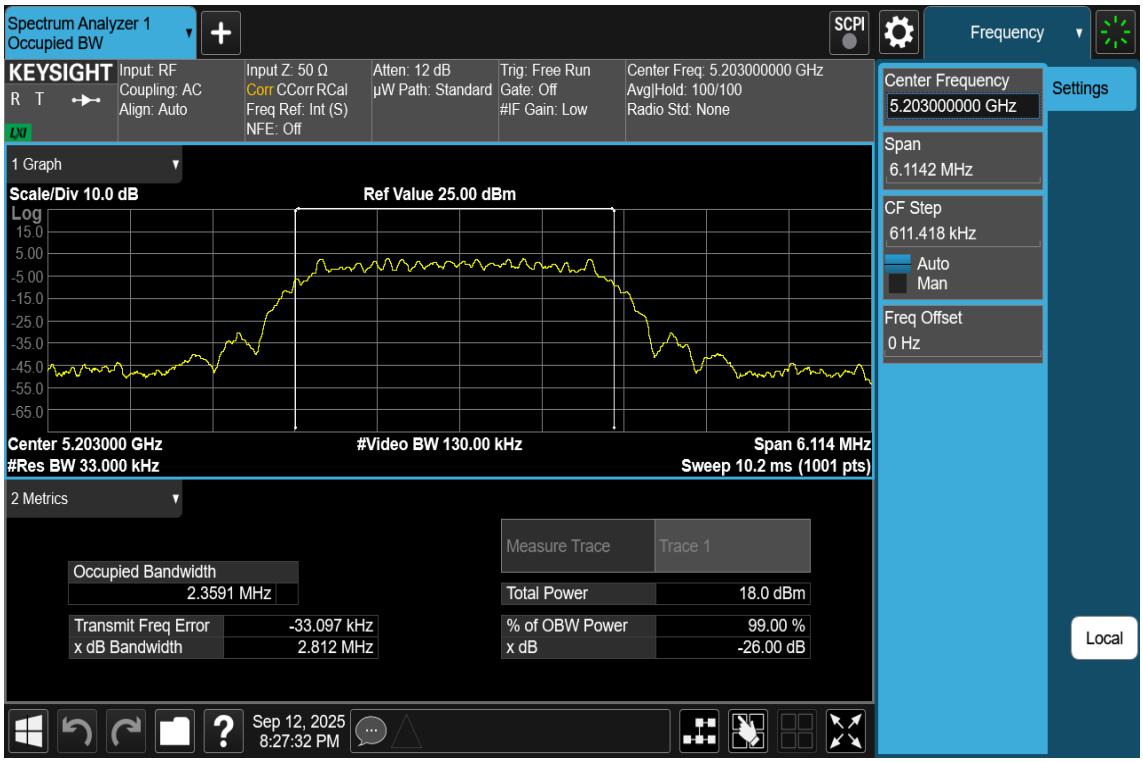


Plot 7-63. 26dB BW & 99% OBW Antenna 1b (NB UNII HDT2, ePA– 5203MHz)



Plot 7-64. 26dB BW & 99% OBW Antenna 1b (NB UNII HDT4, ePA– 5203MHz)

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Plot 7-65. 26dB BW & 99% OBW Antenna 1b (NB UNII HDT6, ePA– 5203MHz)

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7.2.6 Antenna 1b 99% Bandwidth Measurements (U-NII-3)

Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Measured 99% Occupied Bandwidth [MHz]
5733	1.0	NB UNII BDR	ePA	0.934
5788	1.0	NB UNII BDR	ePA	0.934
5844	1.0	NB UNII BDR	ePA	0.934
5733	1.0	NB UNII LE1M	ePA	1.014
5788	1.0	NB UNII LE1M	ePA	1.014
5844	1.0	NB UNII LE1M	ePA	1.014
5733	2.0	NB UNII LE2M	ePA	2.037
5788	2.0	NB UNII LE2M	ePA	2.037
5844	2.0	NB UNII LE2M	ePA	2.037
5733	4.0	NB UNII HDR4	ePA	2.332
5788	4.0	NB UNII HDR4	ePA	2.335
5844	4.0	NB UNII HDR4	ePA	2.336
5733	8.0	NB UNII HDR8	ePA	4.669
5788	8.0	NB UNII HDR8	ePA	4.666
5844	8.0	NB UNII HDR8	ePA	4.671
5733	2.0	NB UNII HDRPS2	ePA	2.378
5788	2.0	NB UNII HDRPS2	ePA	2.371
5844	2.0	NB UNII HDRPS2	ePA	2.368
5733	6.0	NB UNII XHDRPM6	ePA	4.756
5788	6.0	NB UNII XHDRPM6	ePA	4.744
5844	6.0	NB UNII XHDRPM6	ePA	4.767
5733	16.0	NB UNII HDRPM16	ePA	4.702
5788	16.0	NB UNII HDRPM16	ePA	4.713
5844	16.0	NB UNII HDRPM16	ePA	4.696
5733	12.0	NB UNII HDRPL12	ePA	9.410
5788	12.0	NB UNII HDRPL12	ePA	9.420
5844	12.0	NB UNII HDRPL12	ePA	9.424
5733	32.0	NB UNII HDRPL32	ePA	9.291
5788	32.0	NB UNII HDRPL32	ePA	9.305
5844	32.0	NB UNII HDRPL32	ePA	9.293
5733	2.0	NB UNII HDT2	ePA	2.375
5788	2.0	NB UNII HDT2	ePA	2.375
5844	2.0	NB UNII HDT2	ePA	2.374
5733	4.0	NB UNII HDT4	ePA	2.384
5788	4.0	NB UNII HDT4	ePA	2.384
5844	4.0	NB UNII HDT4	ePA	2.384
5733	6.0	NB UNII HDT6	ePA	2.390
5788	6.0	NB UNII HDT6	ePA	2.391
5844	6.0	NB UNII HDT6	ePA	2.390

Table 7-7. Conducted BW Measurements Antenna 1b

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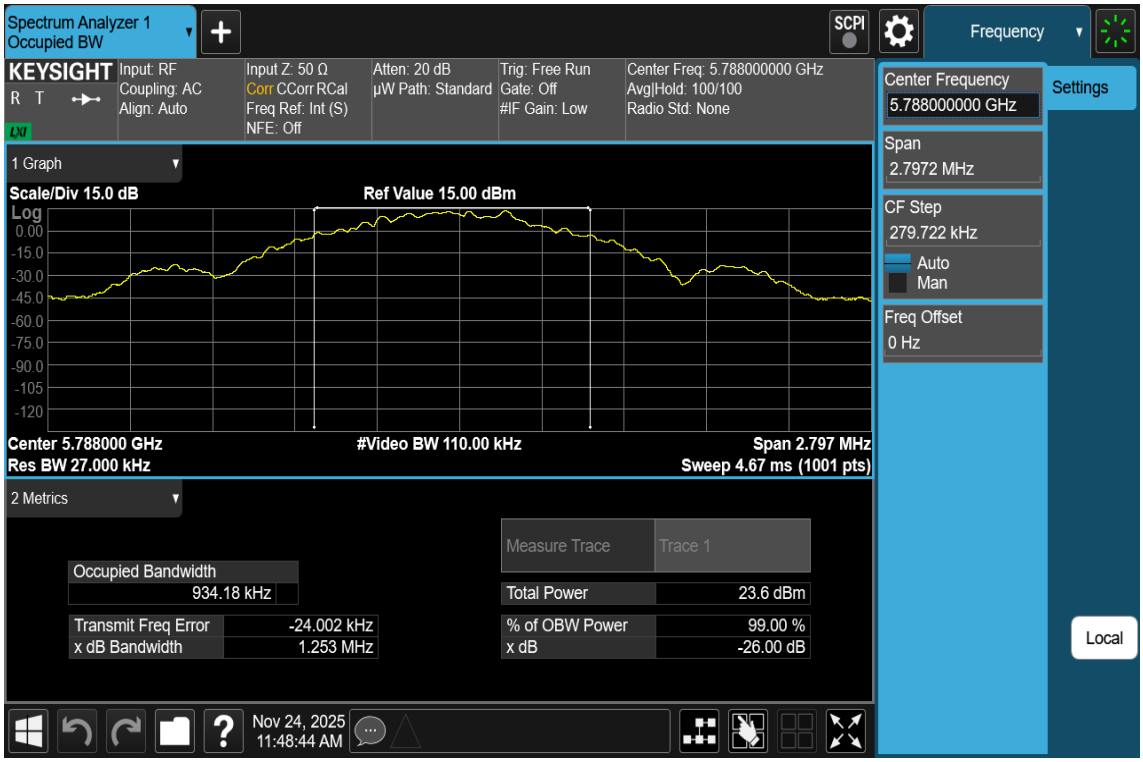
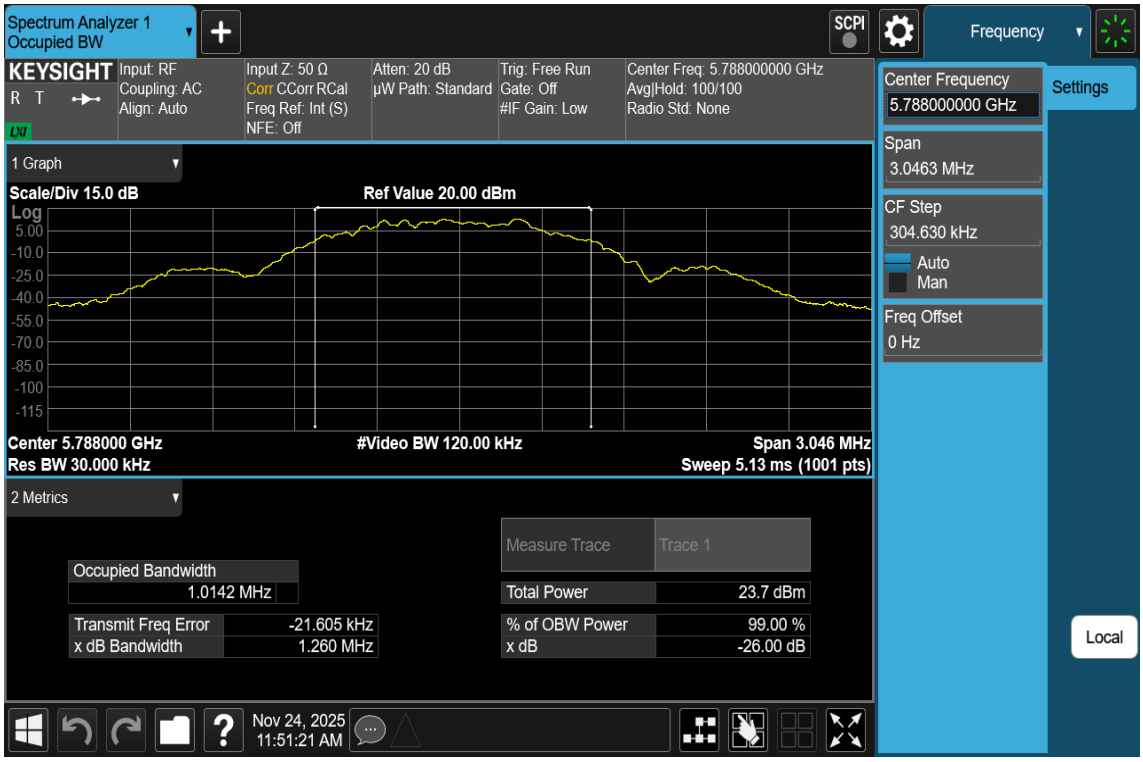


Plot 7-66. 99% OBW Antenna 1b (NB UNII BDR, ePA – 5788MHz)



Plot 7-67. 99% OBW Antenna 1b (NB UNII LE1M, ePA– 5788MHz)

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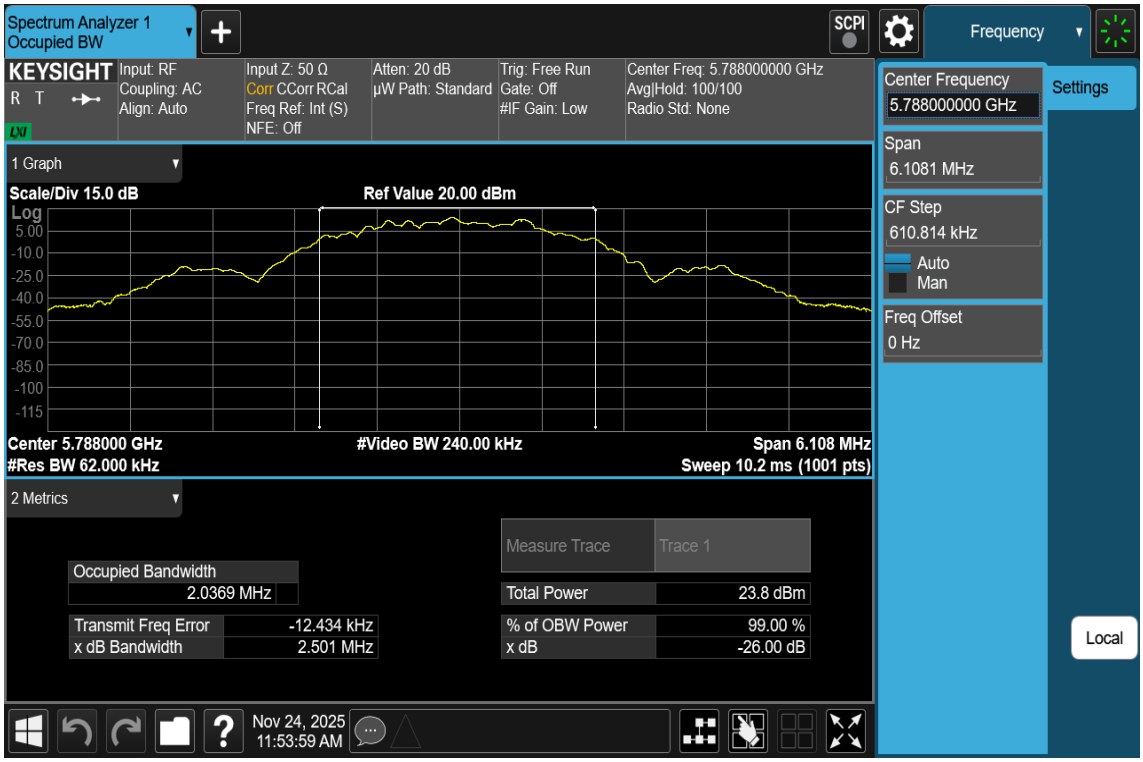
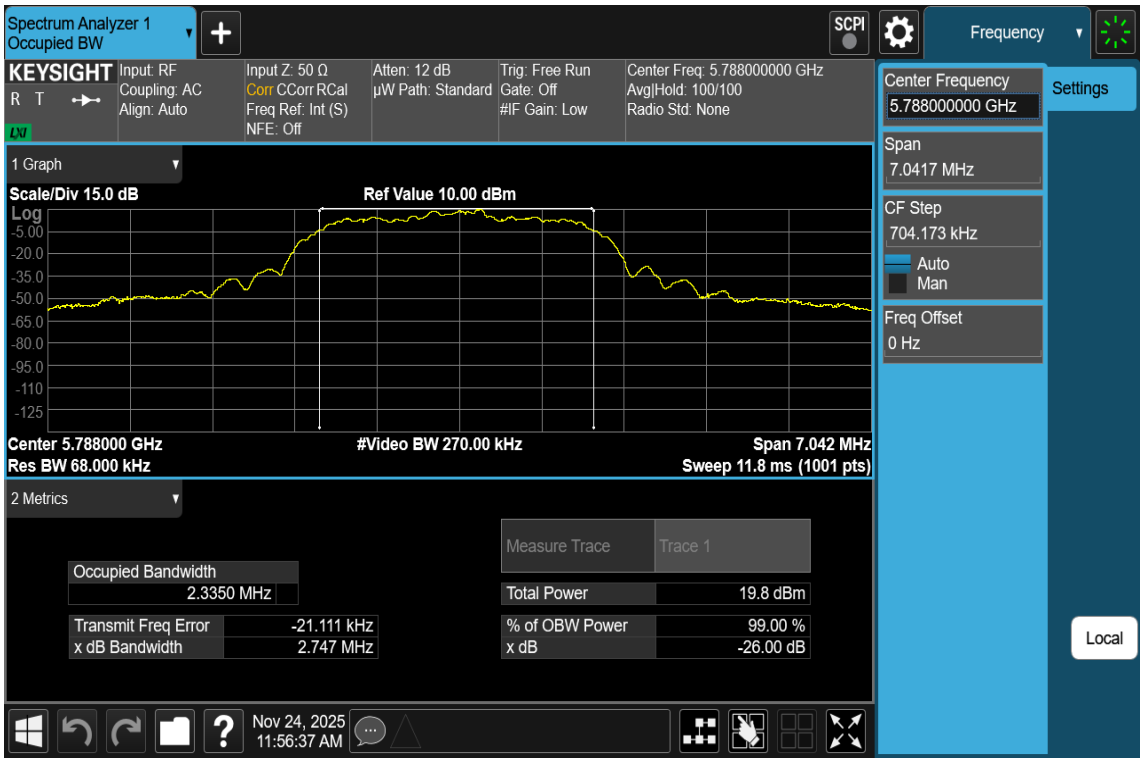


Plot 7-68. 99% OBW Antenna 1b (NB UNII LE2M, ePA– 5788MHz)



Plot 7-69. 99% OBW Antenna 1b (NB UNII HDR4, ePA – 5788MHz)

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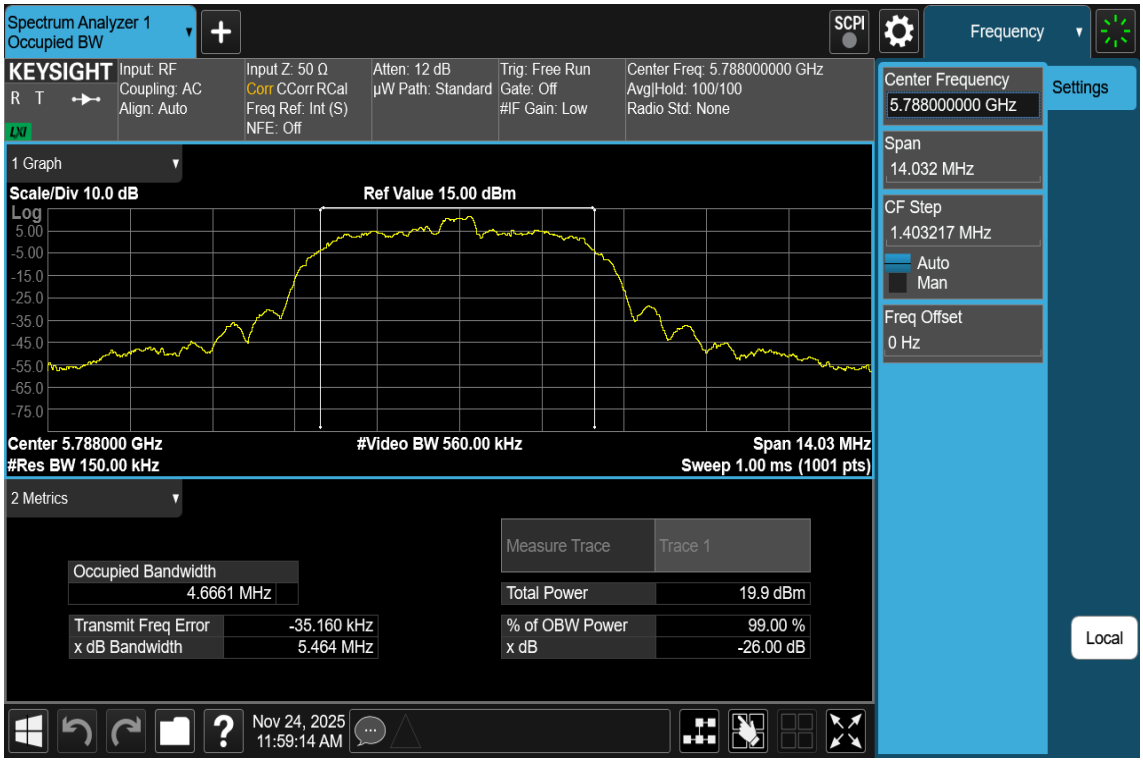
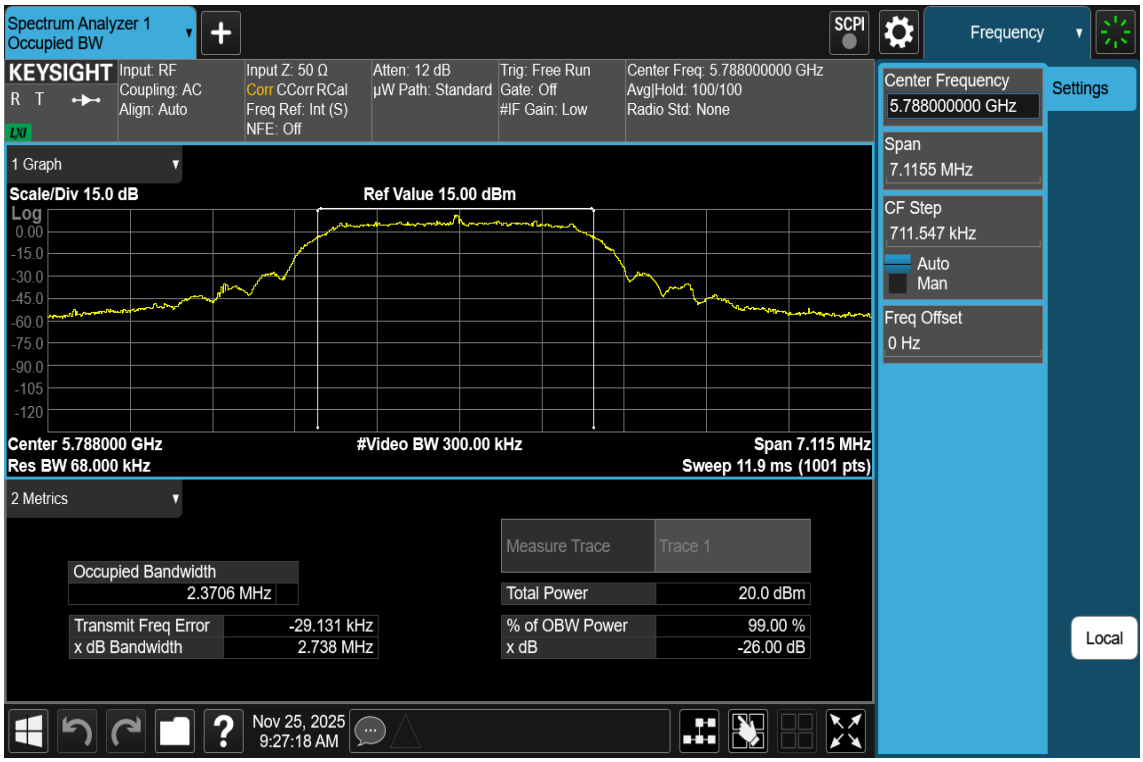


Plot 7-70. 99% OBW Antenna 1b (NB UNII HDR8, ePA – 5788MHz)



Plot 7-71. 99% OBW Antenna 1b (NB UNII HDRPS2, ePA – 5788MHz)

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Plot 7-72. 99% OBW Antenna 1b (NB UNII XHDRPM6, ePA – 5788MHz)

Plot 7-73. 99% OBW Antenna 1b (NB UNII HDRPM16, ePA – 5788MHz)

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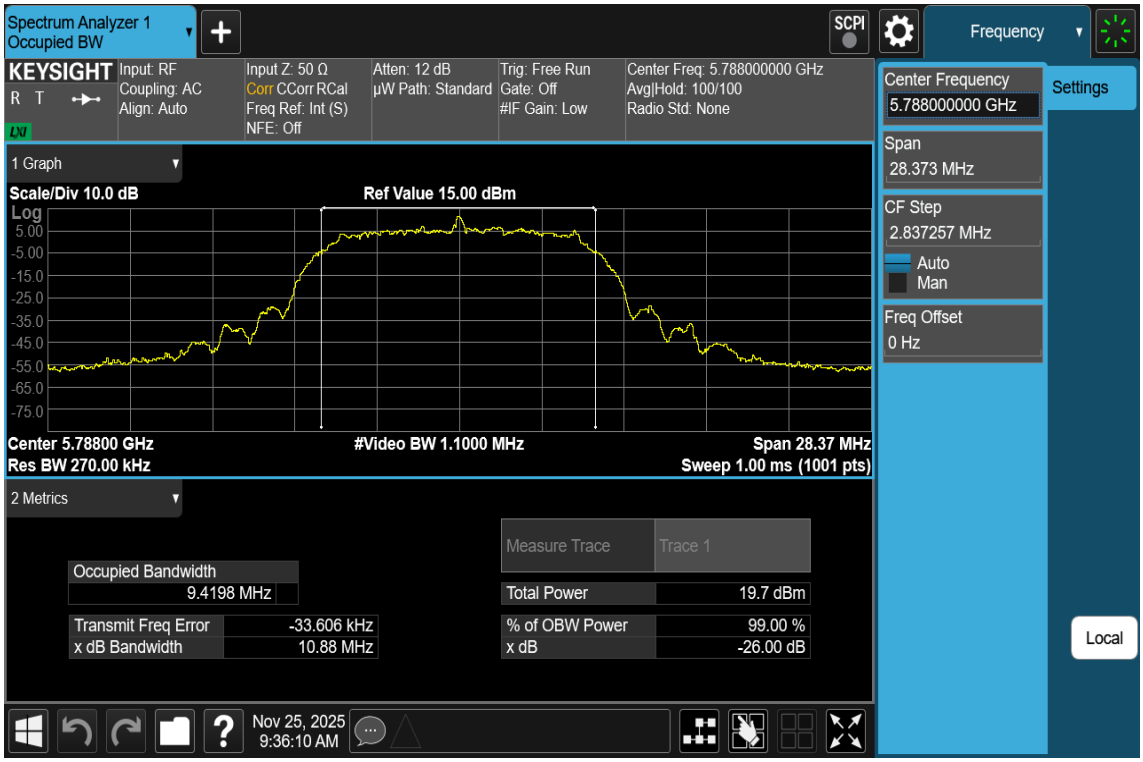

Plot 7-74. 99% OBW Antenna 1b (NB UNII HDRPL12, ePA – 5788MHz)

Plot 7-75. 99% OBW Antenna 1b (NB UNII HDRPL32, ePA – 5788MHz)

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Plot 7-76. 99% OBW Antenna 1b (NB UNII HDT2, ePA– 5788MHz)

Plot 7-77. 99% OBW Antenna 1b (NB UNII HDT4, ePA– 5788MHz)

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Plot 7-78. 99% OBW Antenna 1b (NB UNII HDT6, ePA– 5788MHz)

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7.3 6dB Bandwidth Measurement

§2.1049; §15.407 (e)

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 12.5.1.
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

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

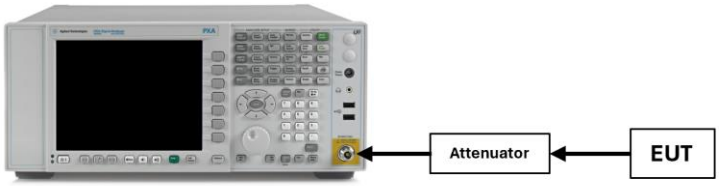

Figure 7-2. Test Instrument & Measurement Setup

Test Notes

1. All antenna configurations and power schemes were investigated and only the worst case is reported.
2. Low, mid and high channels were tested and tabular data has been reported. Only mid channel plots has been reported.

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7.3.1 Antenna 3c 6dB Bandwidth Measurements (U-NII-3)

Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
5733	1.0	NB UNII BDR	ePA	0.552	0.500	Pass
5788	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5844	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5733	1.0	NB UNII LE1M	ePA	0.665	0.500	Pass
5788	1.0	NB UNII LE1M	ePA	0.661	0.500	Pass
5844	1.0	NB UNII LE1M	ePA	0.664	0.500	Pass
5733	2.0	NB UNII LE2M	ePA	1.180	0.500	Pass
5788	2.0	NB UNII LE2M	ePA	1.228	0.500	Pass
5844	2.0	NB UNII LE2M	ePA	1.182	0.500	Pass
5733	4.0	NB UNII HDR4	ePA	1.579	0.500	Pass
5788	4.0	NB UNII HDR4	ePA	1.666	0.500	Pass
5844	4.0	NB UNII HDR4	ePA	1.665	0.500	Pass
5733	8.0	NB UNII HDR8	ePA	0.539	0.500	Pass
5788	8.0	NB UNII HDR8	ePA	0.542	0.500	Pass
5844	8.0	NB UNII HDR8	ePA	0.553	0.500	Pass
5733	2.0	NB UNII HDRPS2	ePA	2.086	0.500	Pass
5788	2.0	NB UNII HDRPS2	ePA	2.073	0.500	Pass
5844	2.0	NB UNII HDRPS2	ePA	2.064	0.500	Pass
5733	6.0	NB UNII XHDRPM6	ePA	4.091	0.500	Pass
5788	6.0	NB UNII XHDRPM6	ePA	4.082	0.500	Pass
5844	6.0	NB UNII XHDRPM6	ePA	4.146	0.500	Pass
5733	16.0	NB UNII HDRPM16	ePA	0.821	0.500	Pass
5788	16.0	NB UNII HDRPM16	ePA	4.057	0.500	Pass
5844	16.0	NB UNII HDRPM16	ePA	1.190	0.500	Pass
5733	12.0	NB UNII HDRPL12	ePA	6.110	0.500	Pass
5788	12.0	NB UNII HDRPL12	ePA	6.104	0.500	Pass
5844	12.0	NB UNII HDRPL12	ePA	6.097	0.500	Pass
5733	32.0	NB UNII HDRPL32	ePA	6.108	0.500	Pass
5788	32.0	NB UNII HDRPL32	ePA	6.106	0.500	Pass
5844	32.0	NB UNII HDRPL32	ePA	6.111	0.500	Pass
5733	2.0	NB UNII HDT2	ePA	2.119	0.500	Pass
5788	2.0	NB UNII HDT2	ePA	2.119	0.500	Pass
5844	2.0	NB UNII HDT2	ePA	2.118	0.500	Pass
5733	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5788	4.0	NB UNII HDT4	ePA	2.125	0.500	Pass
5844	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5733	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass
5788	6.0	NB UNII HDT6	ePA	2.128	0.500	Pass
5844	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass

Table 7-8. Conducted BW Measurements Antenna 3c

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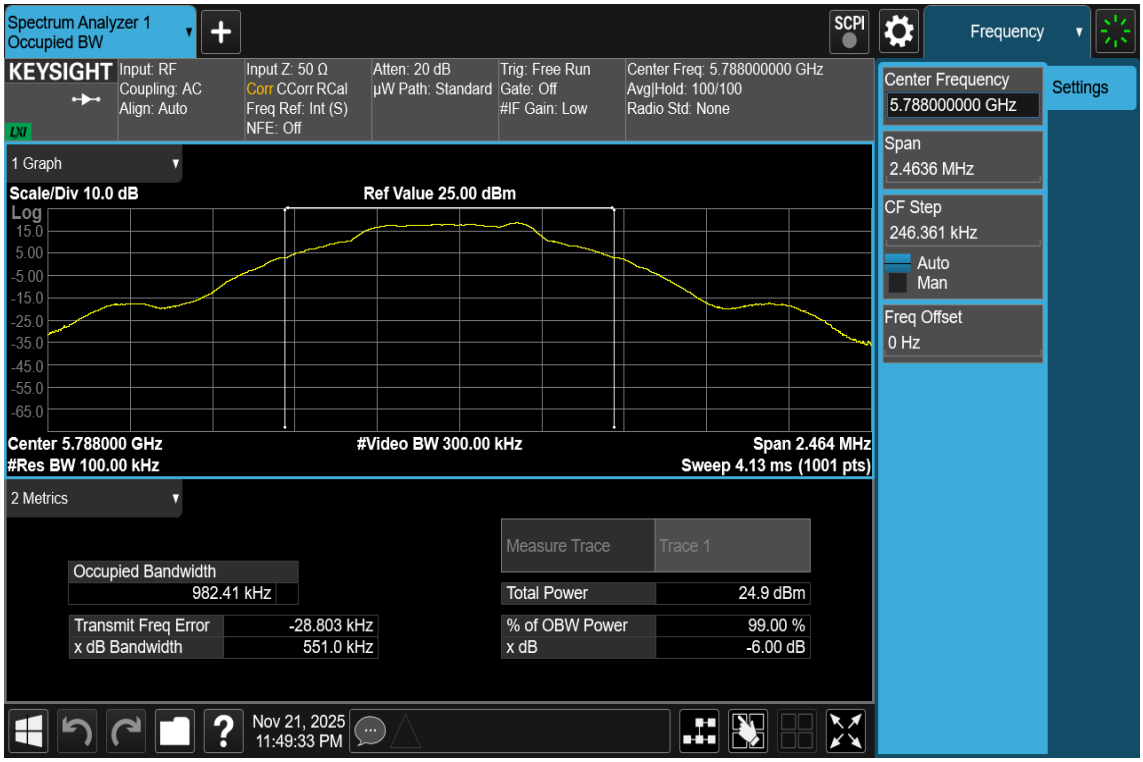
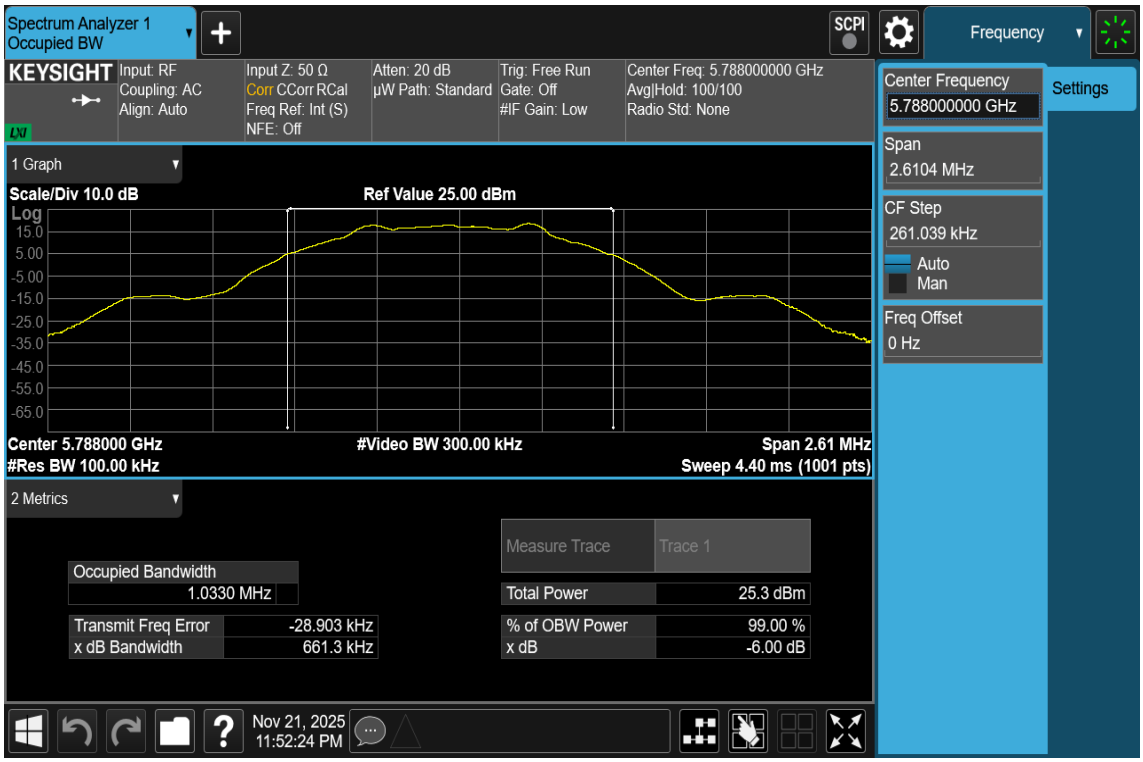


Plot 7-79. 6dB BW Antenna 3c (NB UNII BDR, ePA – 5788MHz)



Plot 7-80. 6dB BW Antenna 3c (NB UNII LE1M, ePA– 5788MHz)

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Plot 7-81. 6dB BW Antenna 3c (NB UNII LE2M, ePA– 5788MHz)

Plot 7-82. 6dB BW Antenna 3c (NB UNII HDR4, ePA – 5788MHz)

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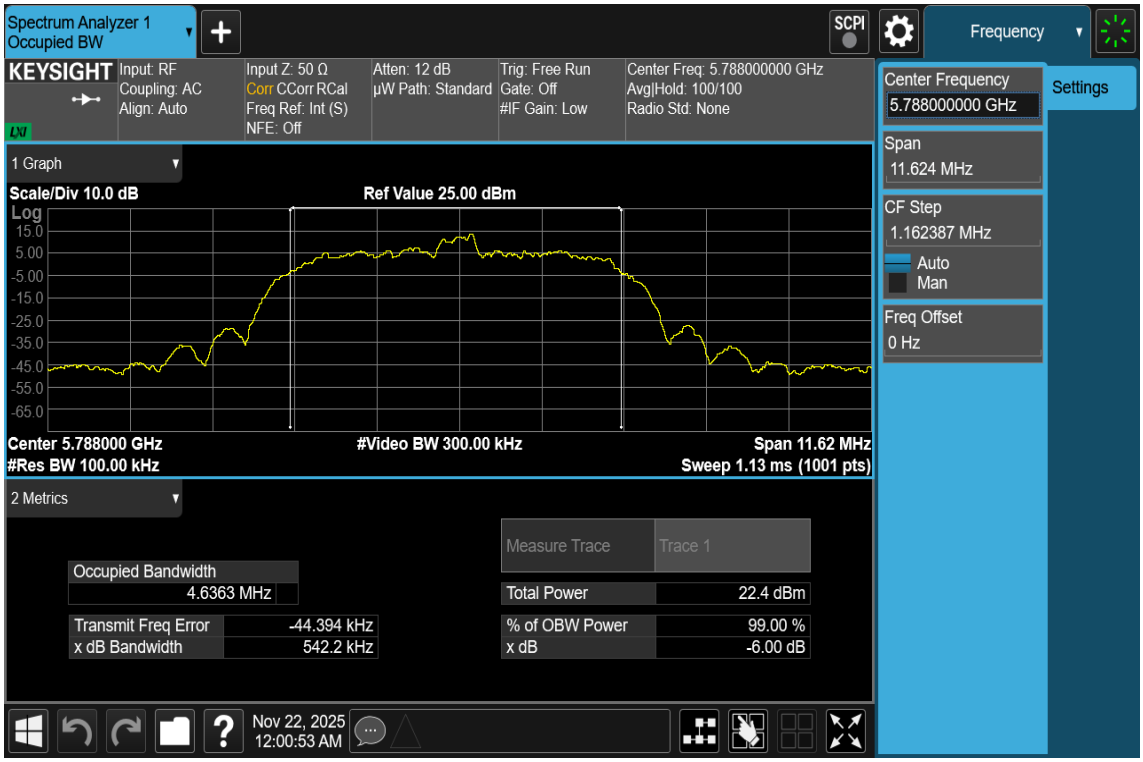

Plot 7-83. 6dB BW Antenna 3c (NB UNII HDR8, ePA – 5788MHz)

Plot 7-84. 6dB BW Antenna 3c (NB UNII HDRPS2, ePA – 5788MHz)

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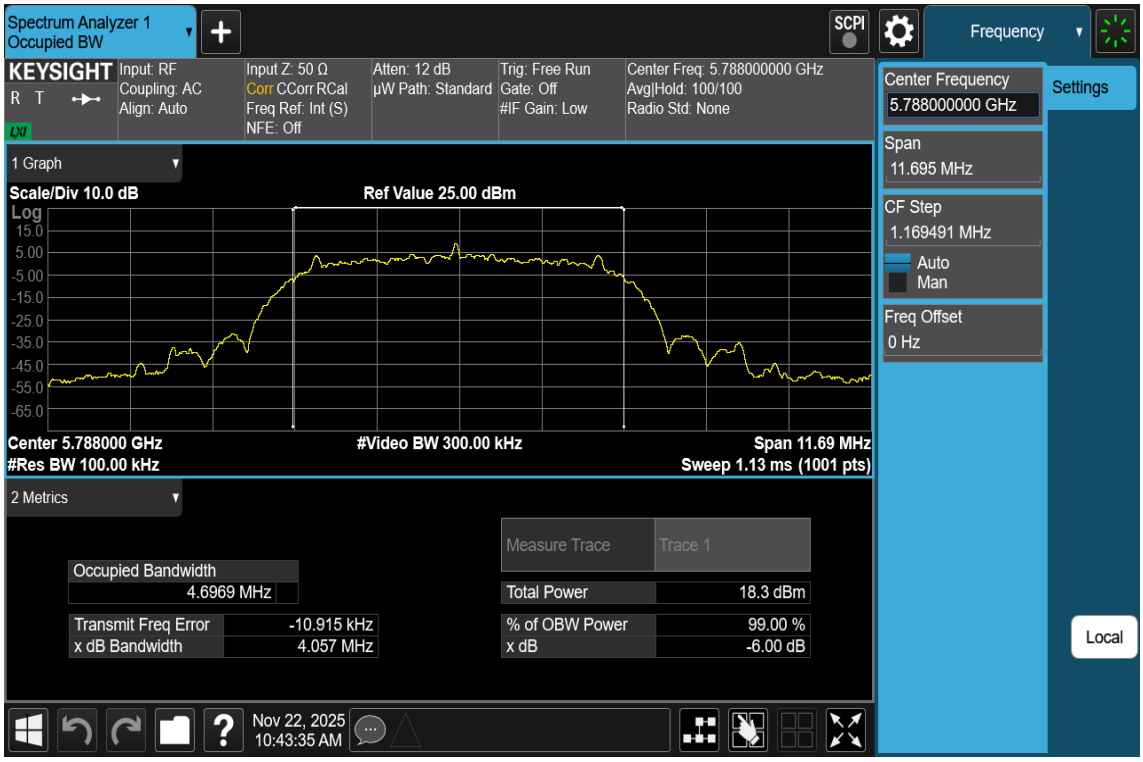
Plot 7-85. 6dB BW Antenna 3c (NB UNII XHDRPM6, ePA – 5788MHz)



Plot 7-86. 6dB BW Antenna 3c (NB UNII HDRPM16, ePA – 5788MHz)

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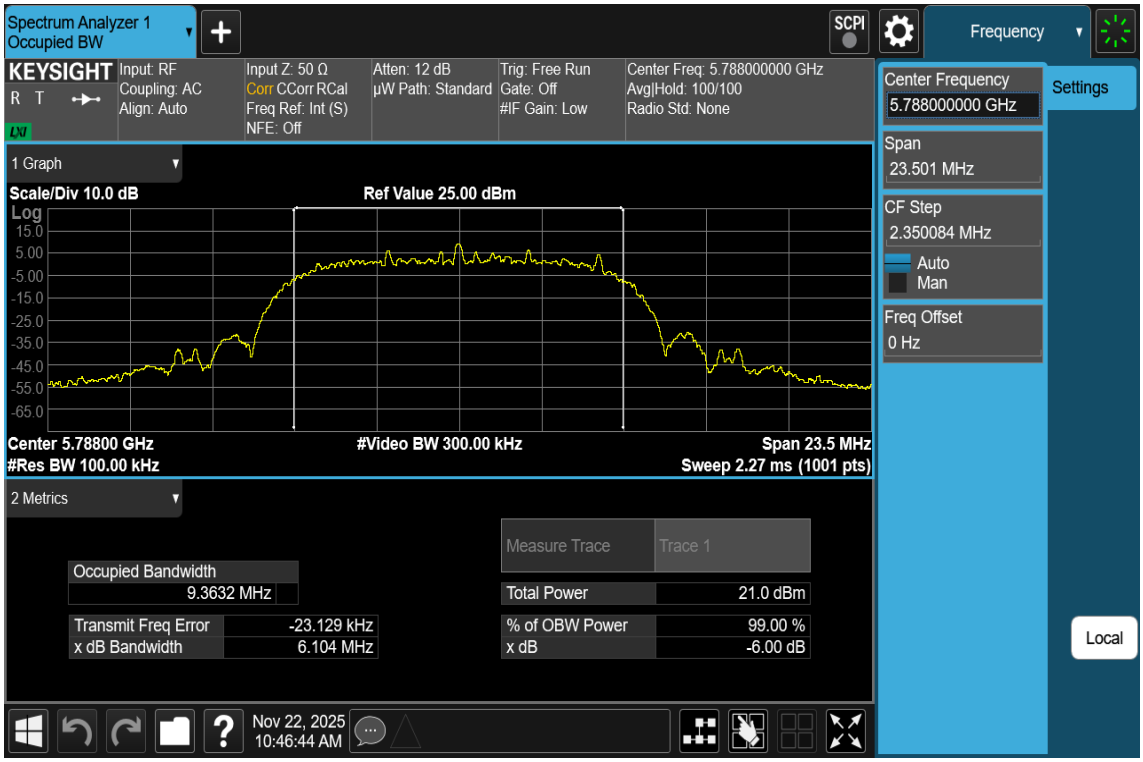
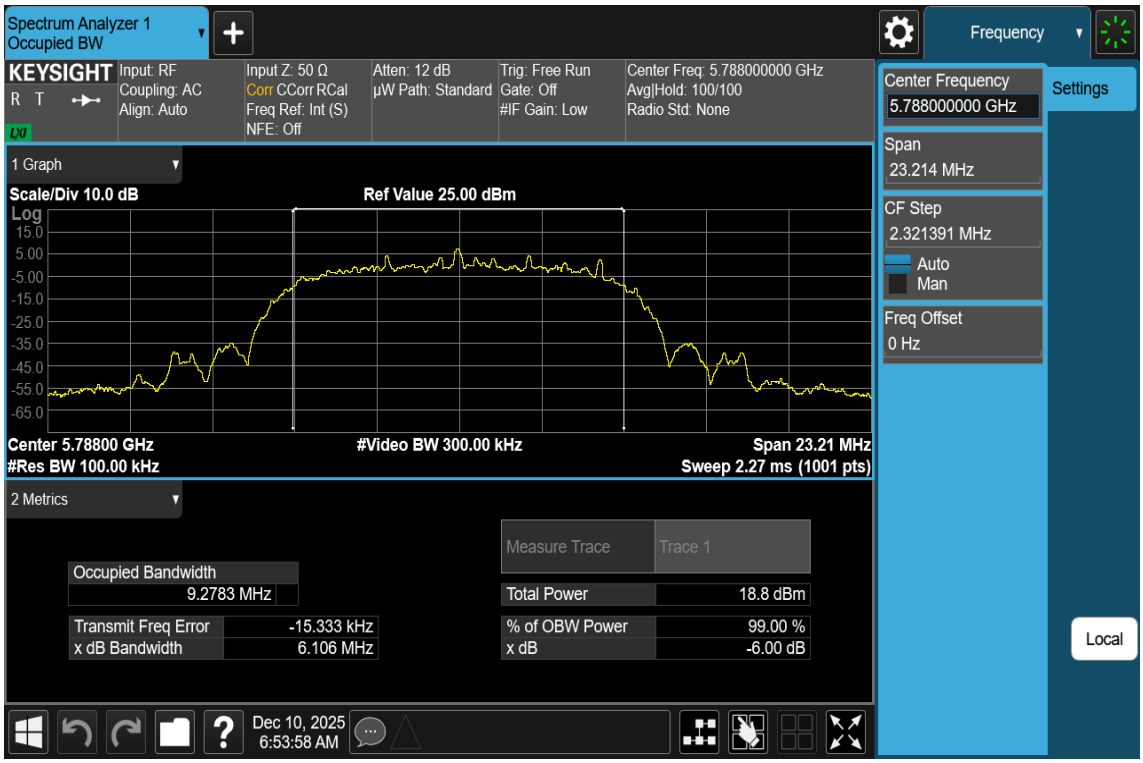


Plot 7-87. 6dB BW Antenna 3c (NB UNII HDRPL12, ePA – 5788MHz)



Plot 7-88. 6dB BW Antenna 3c (NB UNII HDRPL32, ePA – 5788MHz)

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Plot 7-89. 6dB BW Antenna 3c (NB UNII HDT2, ePA– 5788MHz)

Plot 7-90. 6dB BW Antenna 3c (NB UNII HDT4, ePA– 5788MHz)

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Plot 7-91. 6dB BW Antenna 3a (NB UNII HDT6, ePA– 5788MHz)

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7.3.2 Antenna 3a 6dB Bandwidth Measurements (U-NII-3)

Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
5733	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5788	1.0	NB UNII BDR	ePA	0.550	0.500	Pass
5844	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5733	1.0	NB UNII LE1M	ePA	0.665	0.500	Pass
5788	1.0	NB UNII LE1M	ePA	0.663	0.500	Pass
5844	1.0	NB UNII LE1M	ePA	0.664	0.500	Pass
5733	2.0	NB UNII LE2M	ePA	1.181	0.500	Pass
5788	2.0	NB UNII LE2M	ePA	1.182	0.500	Pass
5844	2.0	NB UNII LE2M	ePA	1.179	0.500	Pass
5733	4.0	NB UNII HDR4	ePA	1.582	0.500	Pass
5788	4.0	NB UNII HDR4	ePA	1.664	0.500	Pass
5844	4.0	NB UNII HDR4	ePA	1.580	0.500	Pass
5733	8.0	NB UNII HDR8	ePA	0.555	0.500	Pass
5788	8.0	NB UNII HDR8	ePA	0.552	0.500	Pass
5844	8.0	NB UNII HDR8	ePA	0.542	0.500	Pass
5733	2.0	NB UNII HDRPS2	ePA	2.086	0.500	Pass
5788	2.0	NB UNII HDRPS2	ePA	2.080	0.500	Pass
5844	2.0	NB UNII HDRPS2	ePA	2.092	0.500	Pass
5733	6.0	NB UNII XHDRPM6	ePA	4.029	0.500	Pass
5788	6.0	NB UNII XHDRPM6	ePA	4.058	0.500	Pass
5844	6.0	NB UNII XHDRPM6	ePA	4.063	0.500	Pass
5733	16.0	NB UNII HDRPM16	ePA	1.194	0.500	Pass
5788	16.0	NB UNII HDRPM16	ePA	1.158	0.500	Pass
5844	16.0	NB UNII HDRPM16	ePA	0.816	0.500	Pass
5733	12.0	NB UNII HDRPL12	ePA	6.109	0.500	Pass
5788	12.0	NB UNII HDRPL12	ePA	6.110	0.500	Pass
5844	12.0	NB UNII HDRPL12	ePA	6.111	0.500	Pass
5733	32.0	NB UNII HDRPL32	ePA	6.108	0.500	Pass
5788	32.0	NB UNII HDRPL32	ePA	6.110	0.500	Pass
5844	32.0	NB UNII HDRPL32	ePA	6.109	0.500	Pass
5733	2.0	NB UNII HDT2	ePA	2.120	0.500	Pass
5788	2.0	NB UNII HDT2	ePA	2.119	0.500	Pass
5844	2.0	NB UNII HDT2	ePA	2.119	0.500	Pass
5733	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5788	4.0	NB UNII HDT4	ePA	2.125	0.500	Pass
5844	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5733	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass
5788	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass
5844	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass

Table 7-9. Conducted BW Measurements Antenna 3a

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Plot 7-92. 6dB BW Antenna 3a (NB UNII BDR, ePA – 5788MHz)

Plot 7-93. 6dB BW Antenna 3a (NB UNII LE1M, ePA– 5788MHz)

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Plot 7-94. 6dB BW Antenna 3a (NB UNII LE2M, ePA– 5788MHz)

Plot 7-95. 6dB BW Antenna 3a (NB UNII HDR4, ePA – 5788MHz)

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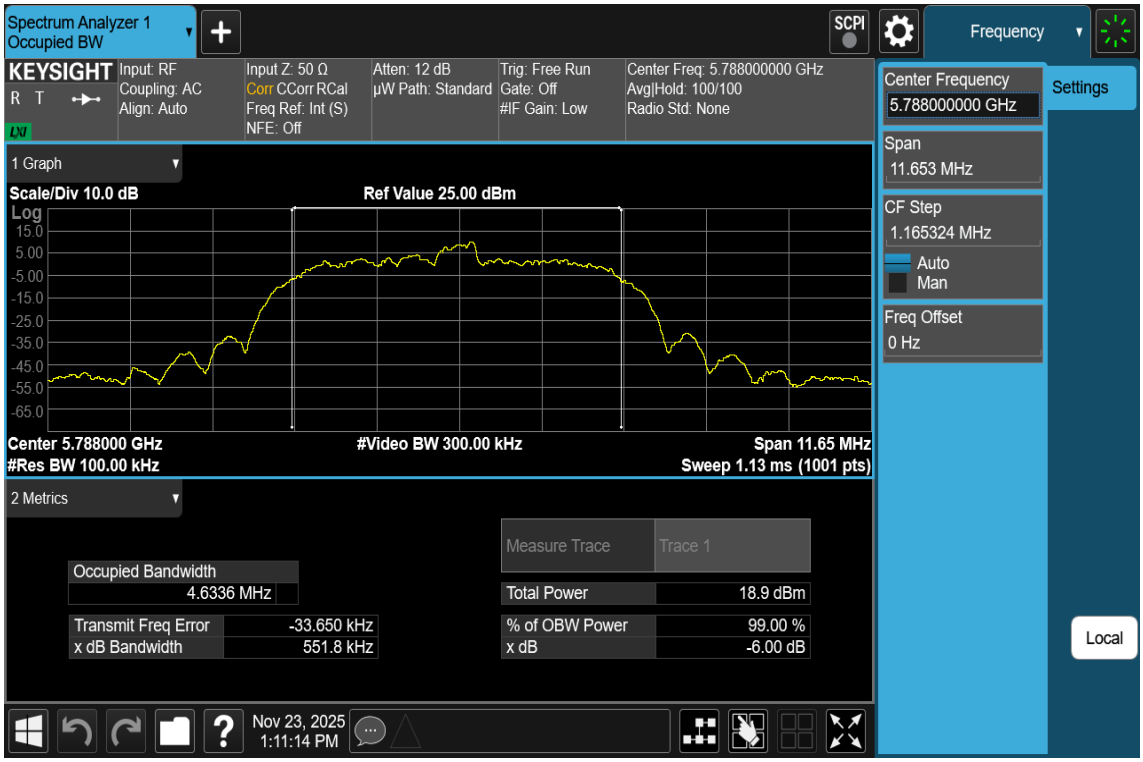

Plot 7-96. 6dB BW Antenna 3a (NB UNII HDR8, ePA – 5788MHz)

Plot 7-97. 6dB BW Antenna 3a (NB UNII HDRPS2, ePA – 5788MHz)

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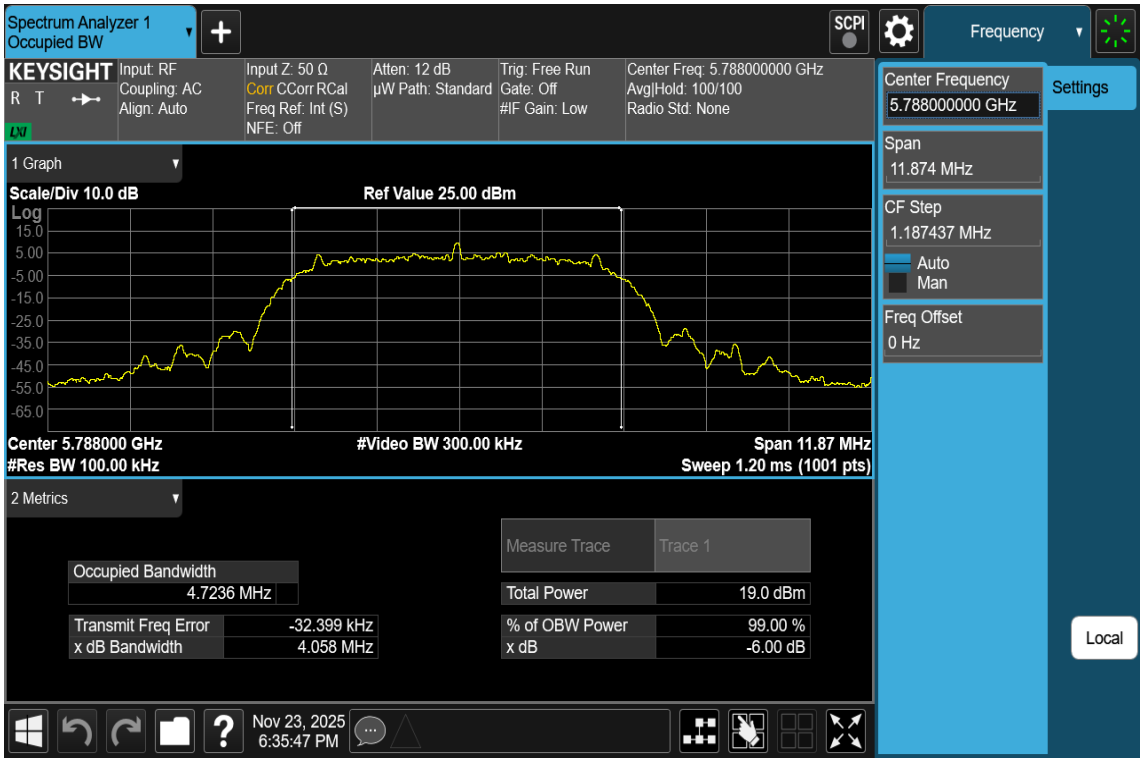

Plot 7-98. 6dB BW Antenna 3a (NB UNII XHDRPM6, ePA – 5788MHz)

Plot 7-99. 6dB BW Antenna 3a (NB UNII HDRPM16, ePA – 5788MHz)

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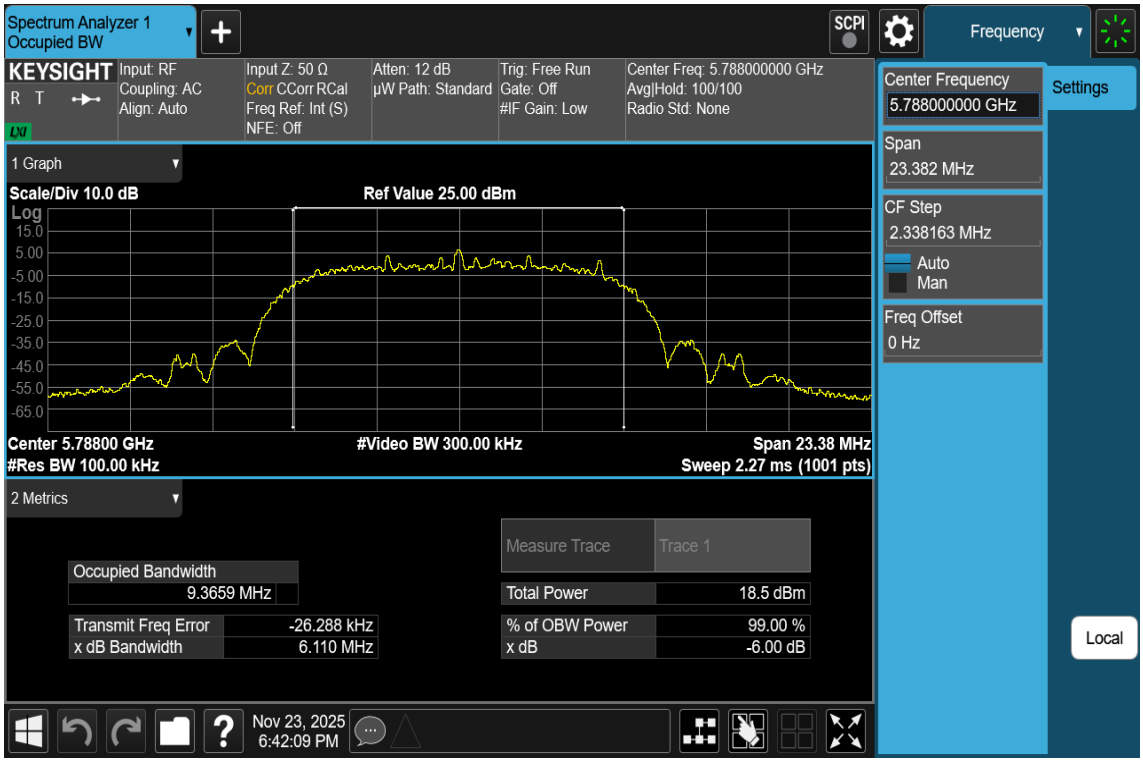

Plot 7-100. 6dB BW Antenna 3a (NB UNII HDRPL12, ePA – 5788MHz)

Plot 7-101. 6dB BW Antenna 3a (NB UNII HDRPL32, ePA – 5788MHz)

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Plot 7-102. 6dB BW Antenna 3a (NB UNII HDT2, ePA– 5788MHz)

Plot 7-103. 6dB BW Antenna 3a (NB UNII HDT4, ePA– 5788MHz)

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Plot 7-104. 6dB BW Antenna 3a (NB UNII HDT6, ePA– 5788MHz)

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7.3.3 Antenna 1b 6dB Bandwidth Measurements (U-NII-3)

Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
5733	1.0	NB UNII BDR	ePA	0.552	0.500	Pass
5788	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5844	1.0	NB UNII BDR	ePA	0.551	0.500	Pass
5733	1.0	NB UNII LE1M	ePA	0.662	0.500	Pass
5788	1.0	NB UNII LE1M	ePA	0.664	0.500	Pass
5844	1.0	NB UNII LE1M	ePA	0.663	0.500	Pass
5733	2.0	NB UNII LE2M	ePA	1.182	0.500	Pass
5788	2.0	NB UNII LE2M	ePA	1.177	0.500	Pass
5844	2.0	NB UNII LE2M	ePA	1.180	0.500	Pass
5733	4.0	NB UNII HDR4	ePA	1.667	0.500	Pass
5788	4.0	NB UNII HDR4	ePA	1.841	0.500	Pass
5844	4.0	NB UNII HDR4	ePA	1.845	0.500	Pass
5733	8.0	NB UNII HDR8	ePA	0.551	0.500	Pass
5788	8.0	NB UNII HDR8	ePA	0.553	0.500	Pass
5844	8.0	NB UNII HDR8	ePA	0.933	0.500	Pass
5733	2.0	NB UNII HDRPS2	ePA	2.087	0.500	Pass
5788	2.0	NB UNII HDRPS2	ePA	2.062	0.500	Pass
5844	2.0	NB UNII HDRPS2	ePA	2.077	0.500	Pass
5733	6.0	NB UNII XHDRPM6	ePA	4.154	0.500	Pass
5788	6.0	NB UNII XHDRPM6	ePA	3.146	0.500	Pass
5844	6.0	NB UNII XHDRPM6	ePA	4.051	0.500	Pass
5733	16.0	NB UNII HDRPM16	ePA	1.193	0.500	Pass
5788	16.0	NB UNII HDRPM16	ePA	1.172	0.500	Pass
5844	16.0	NB UNII HDRPM16	ePA	4.046	0.500	Pass
5733	12.0	NB UNII HDRPL12	ePA	6.091	0.500	Pass
5788	12.0	NB UNII HDRPL12	ePA	6.107	0.500	Pass
5844	12.0	NB UNII HDRPL12	ePA	6.108	0.500	Pass
5733	32.0	NB UNII HDRPL32	ePA	6.110	0.500	Pass
5788	32.0	NB UNII HDRPL32	ePA	6.110	0.500	Pass
5844	32.0	NB UNII HDRPL32	ePA	6.111	0.500	Pass
5733	2.0	NB UNII HDT2	ePA	2.117	0.500	Pass
5788	2.0	NB UNII HDT2	ePA	2.117	0.500	Pass
5844	2.0	NB UNII HDT2	ePA	2.119	0.500	Pass
5733	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5788	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5844	4.0	NB UNII HDT4	ePA	2.124	0.500	Pass
5733	6.0	NB UNII HDT6	ePA	2.126	0.500	Pass
5788	6.0	NB UNII HDT6	ePA	2.129	0.500	Pass
5844	6.0	NB UNII HDT6	ePA	2.127	0.500	Pass

Table 7-10. Conducted BW Measurements Antenna 1b

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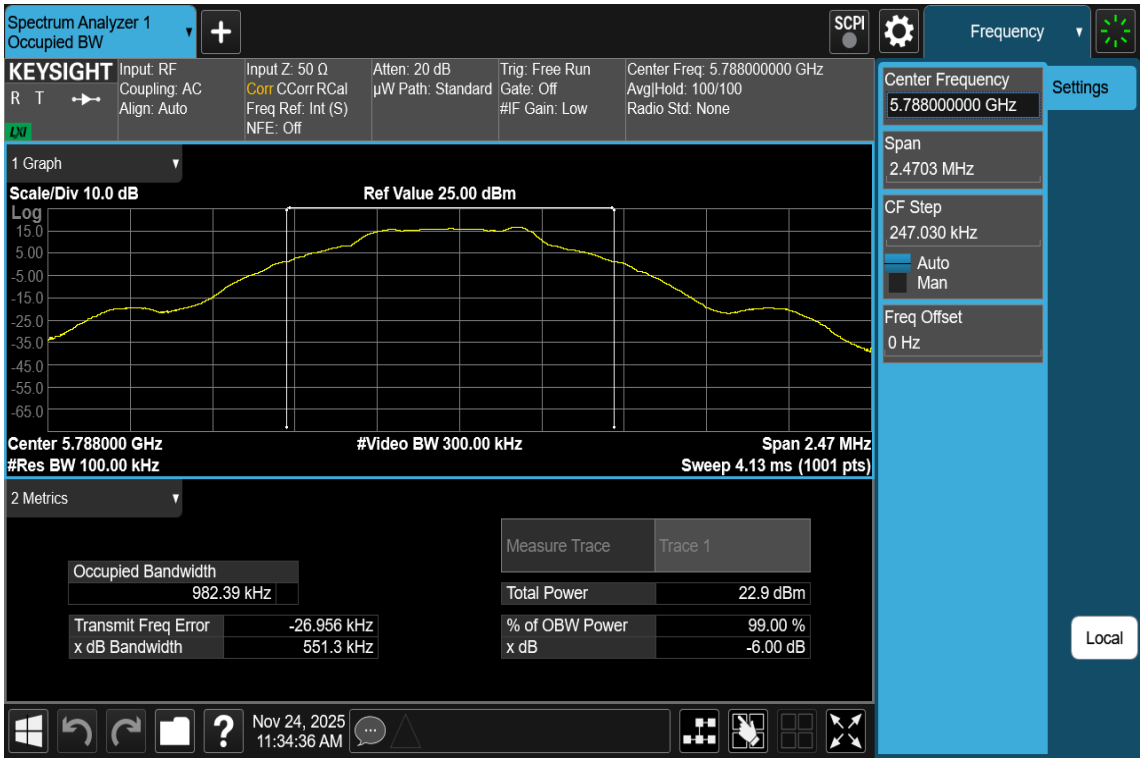

Plot 7-105. 6dB BW Antenna 1b (NB UNII BDR, ePA – 5788MHz)

Plot 7-106. 6dB BW Antenna 1b (NB UNII LE1M, ePA– 5788MHz)

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Plot 7-107. 6dB BW Antenna 1b (NB UNII LE2M, ePA– 5788MHz)

Plot 7-108. 6dB BW Antenna 1b (NB UNII HDR4, ePA – 5788MHz)

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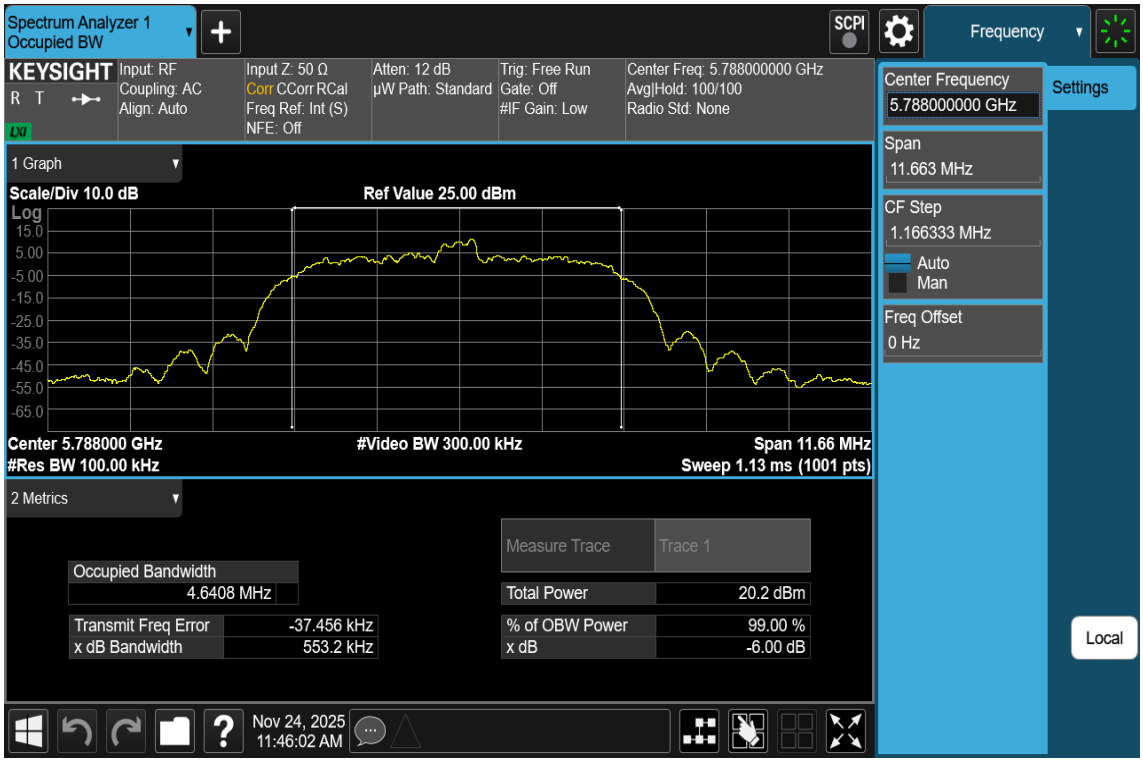

Plot 7-109. 6dB BW Antenna 1b (NB UNII HDR8, ePA – 5788MHz)

Plot 7-110. 6dB BW Antenna 1b (NB UNII HDRPS2, ePA – 5788MHz)

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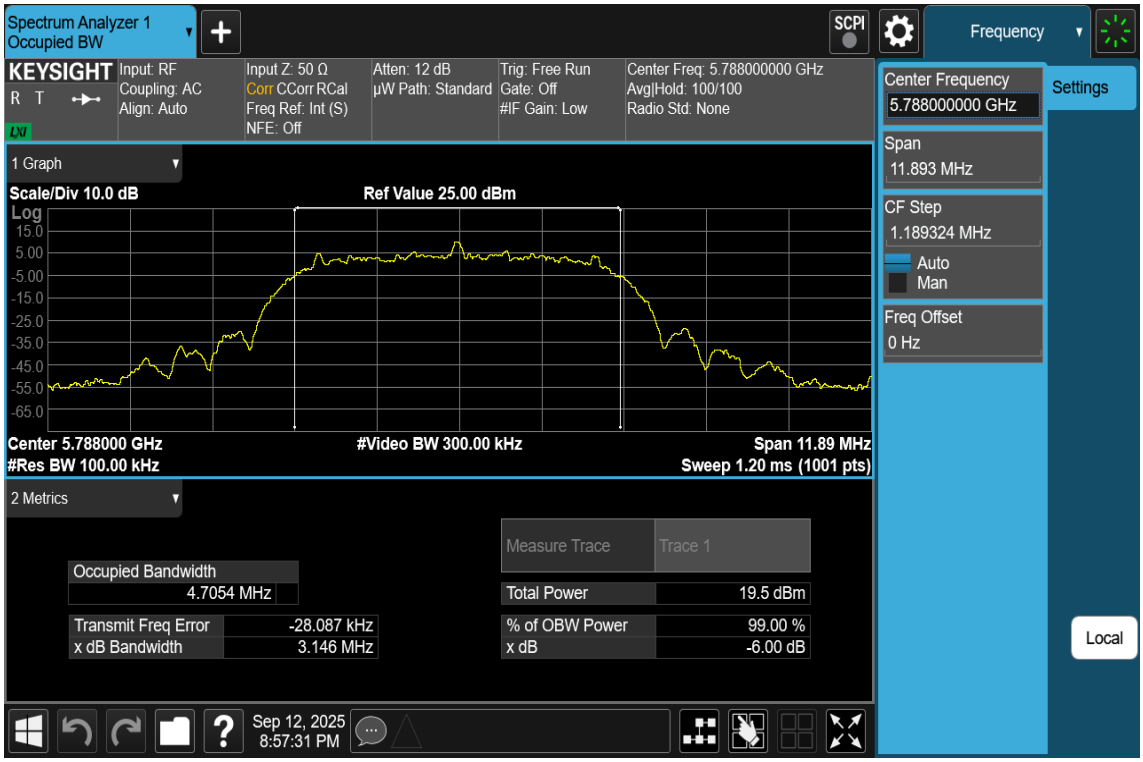
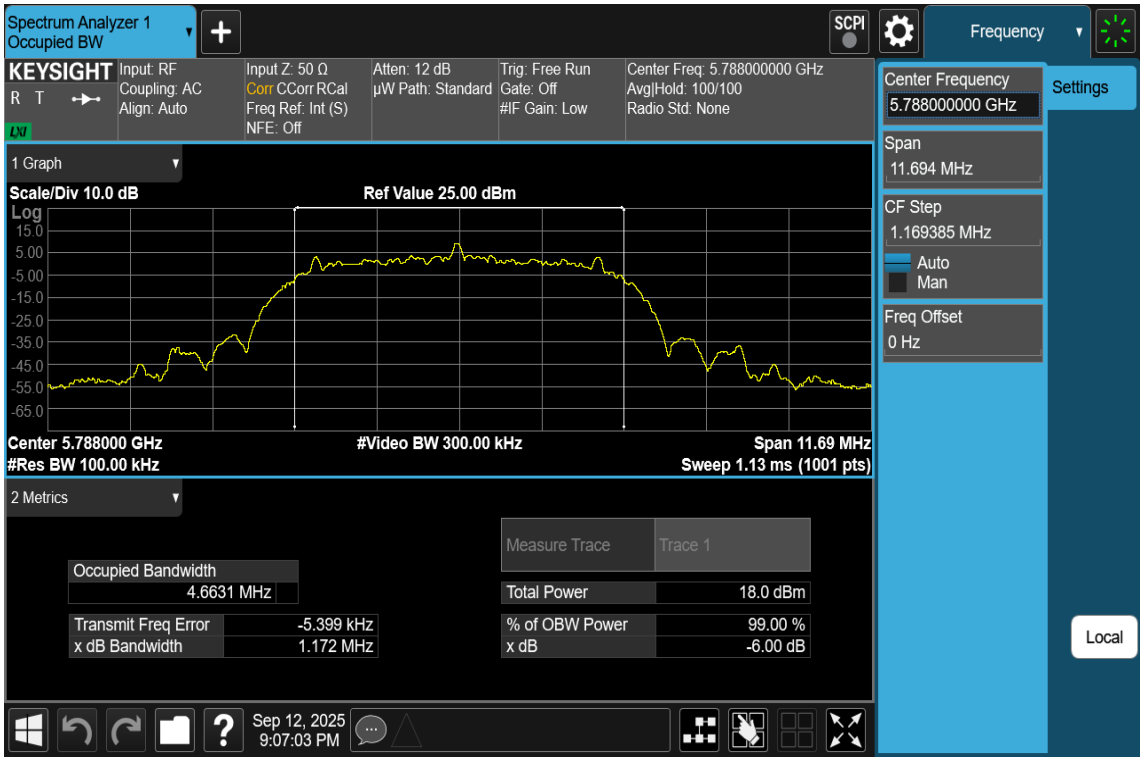


Plot 7-111. 6dB BW Antenna 1b (NB UNII XHDRPM6, ePA – 5788MHz)



Plot 7-112. 6dB BW Antenna 1b (NB UNII HDRPM16, ePA – 5788MHz)

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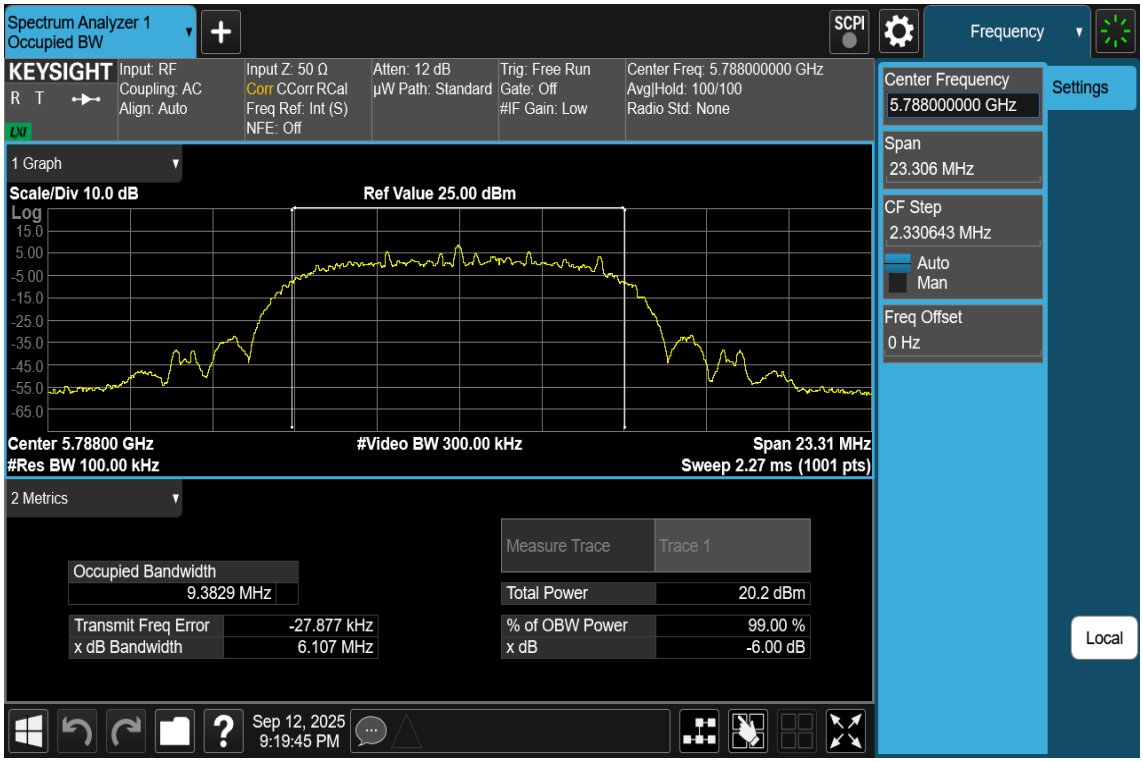
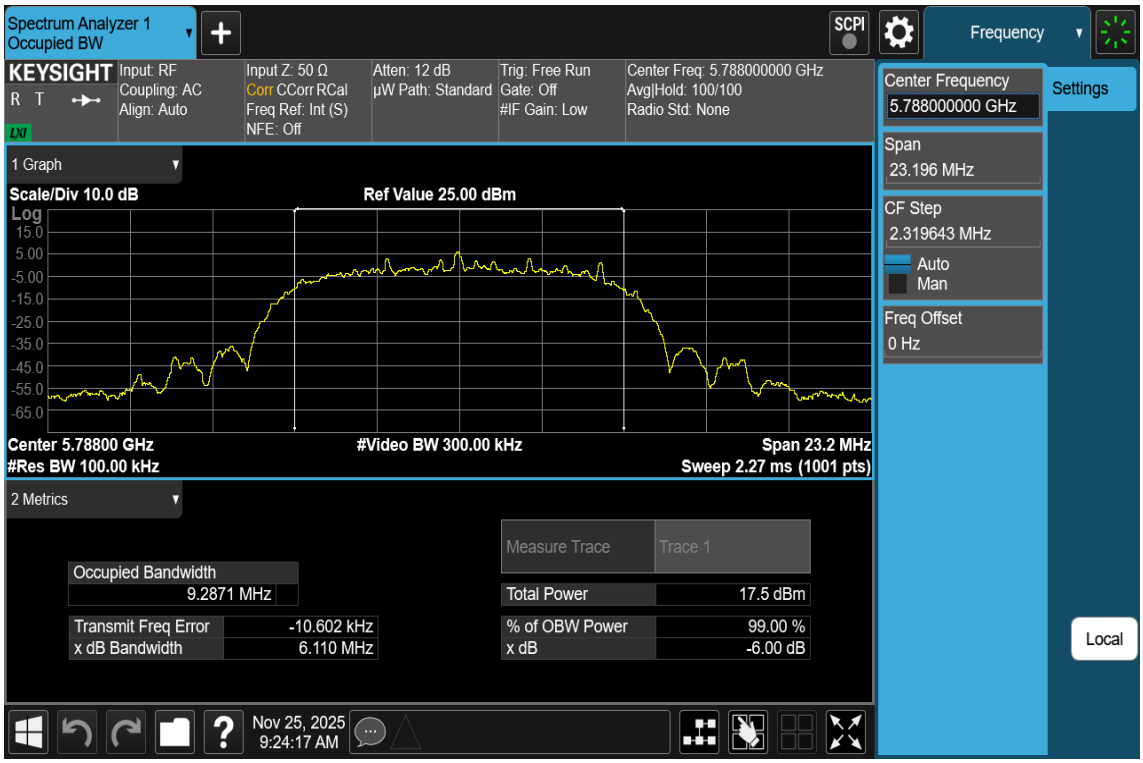


Plot 7-113. 6dB BW Antenna 1b (NB UNII HDRPL12, ePA – 5788MHz)



Plot 7-114. 6dB BW Antenna 1b (NB UNII HDRPL32, ePA – 5788MHz)

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Plot 7-115. 6dB BW Antenna 1b (NB UNII HDT2, ePA– 5788MHz)

Plot 7-116. 6dB BW Antenna 1b (NB UNII HDT4, ePA– 5788MHz)

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Plot 7-117. 6dB BW Antenna 1b (NB UNII HDT6, ePA– 5788MHz)

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7.4 Conducted Output Power Measurement

§15.407(a.1.iv) §15.407(a.3.i)

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm).

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm).

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 12.4.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.4 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

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

Figure 7-3. Test Instrument & Measurement Setup

Test Notes

None

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7.4.1 Conducted Output Power Measurements (U-NII-1)

Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5162	1.0	NB UNII BDR	ePA	9.62	23.98	-14.36
5203	1.0	NB UNII BDR	ePA	9.51	23.98	-14.47
5245	1.0	NB UNII BDR	ePA	9.52	23.98	-14.46
5162	1.0	NB UNII BDR	iPA	2.37	23.98	-21.61
5203	1.0	NB UNII BDR	iPA	2.41	23.98	-21.57
5245	1.0	NB UNII BDR	iPA	2.29	23.98	-21.69
5162	1.0	NB UNII LE1M	ePA	10.16	23.98	-13.83
5203	1.0	NB UNII LE1M	ePA	10.21	23.98	-13.77
5245	1.0	NB UNII LE1M	ePA	10.08	23.98	-13.90
5162	1.0	NB UNII LE1M	iPA	2.20	23.98	-21.78
5203	1.0	NB UNII LE1M	iPA	2.24	23.98	-21.74
5245	1.0	NB UNII LE1M	iPA	2.26	23.98	-21.72
5162	2.0	NB UNII LE2M	ePA	10.96	23.98	-13.02
5203	2.0	NB UNII LE2M	ePA	10.94	23.98	-13.04
5245	2.0	NB UNII LE2M	ePA	10.97	23.98	-13.02
5162	2.0	NB UNII LE2M	iPA	2.27	23.98	-21.71
5203	2.0	NB UNII LE2M	iPA	2.39	23.98	-21.59
5245	2.0	NB UNII LE2M	iPA	2.32	23.98	-21.66
5162	4.0	NB UNII HDR4	ePA	12.02	23.98	-11.96
5203	4.0	NB UNII HDR4	ePA	11.97	23.98	-12.01
5245	4.0	NB UNII HDR4	ePA	11.94	23.98	-12.04
5162	4.0	NB UNII HDR4	iPA	-0.78	23.98	-24.76
5203	4.0	NB UNII HDR4	iPA	-0.78	23.98	-24.76
5245	4.0	NB UNII HDR4	iPA	-0.90	23.98	-24.88
5162	8.0	NB UNII HDR8	ePA	13.49	23.98	-10.49
5203	8.0	NB UNII HDR8	ePA	13.45	23.98	-10.53
5245	8.0	NB UNII HDR8	ePA	13.33	23.98	-10.65
5162	8.0	NB UNII HDR8	iPA	-0.85	23.98	-24.83
5203	8.0	NB UNII HDR8	iPA	-0.83	23.98	-24.81
5245	8.0	NB UNII HDR8	iPA	-0.93	23.98	-24.91
5162	2.0	NB UNII HDRPS2	ePA	11.92	23.98	-12.06
5203	2.0	NB UNII HDRPS2	ePA	11.92	23.98	-12.06
5245	2.0	NB UNII HDRPS2	ePA	11.80	23.98	-12.18
5162	2.0	NB UNII HDRPS2	iPA	-0.71	23.98	-24.69
5203	2.0	NB UNII HDRPS2	iPA	-0.83	23.98	-24.81
5245	2.0	NB UNII HDRPS2	iPA	-0.90	23.98	-24.88
5162	6.0	NB UNII XHDRPM6	ePA	13.17	23.98	-10.81
5203	6.0	NB UNII XHDRPM6	ePA	13.16	23.98	-10.82
5245	6.0	NB UNII XHDRPM6	ePA	13.19	23.98	-10.79
5162	6.0	NB UNII XHDRPM6	iPA	-0.86	23.98	-24.84
5203	6.0	NB UNII XHDRPM6	iPA	-0.91	23.98	-24.89
5245	6.0	NB UNII XHDRPM6	iPA	-1.00	23.98	-24.98
5162	16.0	NB UNII HDRPM16	ePA	11.50	23.98	-12.48
5203	16.0	NB UNII HDRPM16	ePA	11.07	23.98	-12.91
5245	16.0	NB UNII HDRPM16	ePA	11.37	23.98	-12.61
5162	16.0	NB UNII HDRPM16	iPA	-3.62	23.98	-27.60
5203	16.0	NB UNII HDRPM16	iPA	-3.72	23.98	-27.70
5245	16.0	NB UNII HDRPM16	iPA	-3.65	23.98	-27.63
5162	12.0	NB UNII HDRPL12	ePA	13.32	23.98	-10.66
5203	12.0	NB UNII HDRPL12	ePA	13.37	23.98	-10.61
5245	12.0	NB UNII HDRPL12	ePA	13.23	23.98	-10.75
5162	12.0	NB UNII HDRPL12	iPA	-0.99	23.98	-24.97
5203	12.0	NB UNII HDRPL12	iPA	-0.96	23.98	-24.94
5245	12.0	NB UNII HDRPL12	iPA	-0.54	23.98	-24.52
5162	32.0	NB UNII HDRPL32	ePA	11.27	23.98	-12.71
5203	32.0	NB UNII HDRPL32	ePA	11.34	23.98	-12.64
5245	32.0	NB UNII HDRPL32	ePA	11.13	23.98	-12.85
5162	32.0	NB UNII HDRPL32	iPA	-3.54	23.98	-27.52
5203	32.0	NB UNII HDRPL32	iPA	-3.97	23.98	-27.95
5245	32.0	NB UNII HDRPL32	iPA	-3.76	23.98	-27.74
5162	2.0	NB UNII HDT2	ePA	12.09	23.98	-11.89
5203	2.0	NB UNII HDT2	ePA	12.12	23.98	-11.86
5245	2.0	NB UNII HDT2	ePA	12.02	23.98	-11.97
5162	2.0	NB UNII HDT2	iPA	-0.85	23.98	-24.83
5203	2.0	NB UNII HDT2	iPA	-0.88	23.98	-24.86
5245	2.0	NB UNII HDT2	iPA	-1.02	23.98	-25.00
5162	4.0	NB UNII HDT4	ePA	12.42	23.98	-11.56
5203	4.0	NB UNII HDT4	ePA	12.46	23.98	-11.52
5245	4.0	NB UNII HDT4	ePA	12.37	23.98	-11.61
5162	4.0	NB UNII HDT4	iPA	-0.93	23.98	-24.91
5203	4.0	NB UNII HDT4	iPA	-0.91	23.98	-24.89
5245	4.0	NB UNII HDT4	iPA	-0.53	23.98	-24.51
5162	6.0	NB UNII HDT6	ePA	11.38	23.98	-12.60
5203	6.0	NB UNII HDT6	ePA	11.44	23.98	-12.54
5245	6.0	NB UNII HDT6	ePA	11.31	23.98	-12.67
5162	6.0	NB UNII HDT6	iPA	-3.68	23.98	-27.66
5203	6.0	NB UNII HDT6	iPA	-3.69	23.98	-27.67
5245	6.0	NB UNII HDT6	iPA	-3.67	23.98	-27.65

Table 7-11. Antenna 3c Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5162	1.0	NB UNII BDR	ePA	9.70	23.98	-14.28
5203	1.0	NB UNII BDR	ePA	9.74	23.98	-14.24
5245	1.0	NB UNII BDR	ePA	9.68	23.98	-14.30
5162	1.0	NB UNII BDR	iPA	1.31	23.98	-22.67
5203	1.0	NB UNII BDR	iPA	1.46	23.98	-22.52
5245	1.0	NB UNII BDR	iPA	1.35	23.98	-22.63
5162	1.0	NB UNII LE1M	ePA	9.78	23.98	-14.20
5203	1.0	NB UNII LE1M	ePA	9.83	23.98	-14.15
5245	1.0	NB UNII LE1M	ePA	9.80	23.98	-14.18
5162	1.0	NB UNII LE1M	iPA	1.19	23.98	-22.79
5203	1.0	NB UNII LE1M	iPA	1.34	23.98	-22.64
5245	1.0	NB UNII LE1M	iPA	1.30	23.98	-22.68
5162	2.0	NB UNII LE2M	ePA	10.48	23.98	-13.50
5203	2.0	NB UNII LE2M	ePA	10.57	23.98	-13.41
5245	2.0	NB UNII LE2M	ePA	10.52	23.98	-13.46
5162	2.0	NB UNII LE2M	iPA	1.29	23.98	-22.69
5203	2.0	NB UNII LE2M	iPA	1.45	23.98	-22.53
5245	2.0	NB UNII LE2M	iPA	1.36	23.98	-22.63
5162	4.0	NB UNII HDR4	ePA	12.06	23.98	-11.92
5203	4.0	NB UNII HDR4	ePA	12.02	23.98	-11.96
5245	4.0	NB UNII HDR4	ePA	12.04	23.98	-11.94
5162	4.0	NB UNII HDR4	iPA	-1.66	23.98	-25.64
5203	4.0	NB UNII HDR4	iPA	-1.57	23.98	-25.55
5245	4.0	NB UNII HDR4	iPA	-1.55	23.98	-25.53
5162	8.0	NB UNII HDR8	ePA	12.41	23.98	-11.57
5203	8.0	NB UNII HDR8	ePA	12.38	23.98	-11.60
5245	8.0	NB UNII HDR8	ePA	12.34	23.98	-11.64
5162	8.0	NB UNII HDR8	iPA	-1.72	23.98	-25.70
5203	8.0	NB UNII HDR8	iPA	-1.64	23.98	-25.62
5245	8.0	NB UNII HDR8	iPA	-1.62	23.98	-25.60
5162	2.0	NB UNII HDRPS2	ePA	11.89	23.98	-12.09
5203	2.0	NB UNII HDRPS2	ePA	11.88	23.98	-12.11
5245	2.0	NB UNII HDRPS2	ePA	11.99	23.98	-11.99
5162	2.0	NB UNII HDRPS2	iPA	-1.74	23.98	-25.72
5203	2.0	NB UNII HDRPS2	iPA	-1.80	23.98	-25.78
5245	2.0	NB UNII HDRPS2	iPA	-1.57	23.98	-25.55
5162	6.0	NB UNII XHDRPM6	ePA	12.25	23.98	-11.73
5203	6.0	NB UNII XHDRPM6	ePA	12.36	23.98	-11.62
5245	6.0	NB UNII XHDRPM6	ePA	12.32	23.98	-11.66
5162	6.0	NB UNII XHDRPM6	iPA	-1.73	23.98	-25.71
5203	6.0	NB UNII XHDRPM6	iPA	-1.79	23.98	-25.77
5245	6.0	NB UNII XHDRPM6	iPA	-1.72	23.98	-25.70
5162	16.0	NB UNII HDRPM16	ePA	10.39	23.98	-13.59
5203	16.0	NB UNII HDRPM16	ePA	10.37	23.98	-13.61
5245	16.0	NB UNII HDRPM16	ePA	10.41	23.98	-13.57
5162	16.0	NB UNII HDRPM16	iPA	-4.72	23.98	-28.70
5203	16.0	NB UNII HDRPM16	iPA	-4.71	23.98	-28.69
5245	16.0	NB UNII HDRPM16	iPA	-4.63	23.98	-28.61
5162	12.0	NB UNII HDRPL12	ePA	12.11	23.98	-11.87
5203	12.0	NB UNII HDRPL12	ePA	12.23	23.98	-11.75
5245	12.0	NB UNII HDRPL12	ePA	12.19	23.98	-11.80
5162	12.0	NB UNII HDRPL12	iPA	-1.81	23.98	-25.79
5203	12.0	NB UNII HDRPL12	iPA	-1.83	23.98	-25.81
5245	12.0	NB UNII HDRPL12	iPA	-1.70	23.98	-25.68
5162	32.0	NB UNII HDRPL32	ePA	10.08	23.98	-13.90
5203	32.0	NB UNII HDRPL32	ePA	10.20	23.98	-13.78
5245	32.0	NB UNII HDRPL32	ePA	10.26	23.98	-13.72
5162	32.0	NB UNII HDRPL32	iPA	-4.52	23.98	-28.50
5203	32.0	NB UNII HDRPL32	iPA	-4.46	23.98	-28.44
5245	32.0	NB UNII HDRPL32	iPA	-4.17	23.98	-28.15
5162	2.0	NB UNII HDT2	ePA	12.18	30.00	-17.83
5203	2.0	NB UNII HDT2	ePA	12.19	30.00	-17.81
5245	2.0	NB UNII HDT2	ePA	12.22	30.00	-17.79
5162	2.0	NB UNII HDT2	iPA	-1.78	30.00	-31.78
5203	2.0	NB UNII HDT2	iPA	-1.75	30.00	-31.75
5245	2.0	NB UNII HDT2	iPA	-1.63	30.00	-31.63
5162	4.0	NB UNII HDT4	ePA	12.02	30.00	-17.98
5203	4.0	NB UNII HDT4	ePA	12.08	30.00	-17.92
5245	4.0	NB UNII HDT4	ePA	12.05	30.00	-17.95
5162	4.0	NB UNII HDT4	iPA	-1.77	30.00	-31.77
5203	4.0	NB UNII HDT4	iPA	-1.75	30.00	-31.75
5245	4.0	NB UNII HDT4	iPA	-1.63	30.00	-31.63
5162	6.0	NB UNII HDT6	ePA	9.99	30.00	-20.02
5203	6.0	NB UNII HDT6	ePA	10.04	30.00	-19.96
5245	6.0	NB UNII HDT6	ePA	10.01	30.00	-19.99
5162	6.0	NB UNII HDT6	iPA	-4.76	30.00	-34.76
5203	6.0	NB UNII HDT6	iPA	-4.71	30.00	-34.71
5245	6.0	NB UNII HDT6	iPA	-4.72	30.00	-34.72

Table 7-12. Antenna 3a Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5162	1.0	NB UNII BDR	ePA	9.81	23.98	-14.17
5203	1.0	NB UNII BDR	ePA	9.94	23.98	-14.04
5245	1.0	NB UNII BDR	ePA	9.94	23.98	-14.04
5162	1.0	NB UNII BDR	iPA	0.69	23.98	-23.29
5203	1.0	NB UNII BDR	iPA	0.97	23.98	-23.01
5245	1.0	NB UNII BDR	iPA	0.61	23.98	-23.37
5162	1.0	NB UNII LE1M	ePA	9.93	23.98	-14.05
5203	1.0	NB UNII LE1M	ePA	10.00	23.98	-13.98
5245	1.0	NB UNII LE1M	ePA	9.94	23.98	-14.04
5162	1.0	NB UNII LE1M	iPA	0.63	23.98	-23.36
5203	1.0	NB UNII LE1M	iPA	0.89	23.98	-23.09
5245	1.0	NB UNII LE1M	iPA	0.56	23.98	-23.42
5162	2.0	NB UNII LE2M	ePA	10.93	23.98	-13.05
5203	2.0	NB UNII LE2M	ePA	10.88	23.98	-13.10
5245	2.0	NB UNII LE2M	ePA	10.97	23.98	-13.01
5162	2.0	NB UNII LE2M	iPA	0.66	23.98	-23.32
5203	2.0	NB UNII LE2M	iPA	0.95	23.98	-23.03
5245	2.0	NB UNII LE2M	iPA	0.70	23.98	-23.28
5162	4.0	NB UNII HDR4	ePA	11.23	23.98	-12.75
5203	4.0	NB UNII HDR4	ePA	11.36	23.98	-12.62
5245	4.0	NB UNII HDR4	ePA	11.28	23.98	-12.70
5162	4.0	NB UNII HDR4	iPA	-2.26	23.98	-26.24
5203	4.0	NB UNII HDR4	iPA	-2.23	23.98	-26.21
5245	4.0	NB UNII HDR4	iPA	-2.25	23.98	-26.23
5162	8.0	NB UNII HDR8	ePA	11.09	23.98	-12.89
5203	8.0	NB UNII HDR8	ePA	11.28	23.98	-12.70
5245	8.0	NB UNII HDR8	ePA	11.25	23.98	-12.73
5162	8.0	NB UNII HDR8	iPA	-2.42	23.98	-26.40
5203	8.0	NB UNII HDR8	iPA	-2.26	23.98	-26.24
5245	8.0	NB UNII HDR8	iPA	-2.25	23.98	-26.23
5162	2.0	NB UNII HDRPS2	ePA	11.25	23.98	-12.73
5203	2.0	NB UNII HDRPS2	ePA	11.36	23.98	-12.63
5245	2.0	NB UNII HDRPS2	ePA	11.28	23.98	-12.70
5162	2.0	NB UNII HDRPS2	iPA	-2.59	23.98	-26.57
5203	2.0	NB UNII HDRPS2	iPA	-2.06	23.98	-26.04
5245	2.0	NB UNII HDRPS2	iPA	-2.26	23.98	-26.24
5162	6.0	NB UNII XHDRPM6	ePA	11.32	23.98	-12.66
5203	6.0	NB UNII XHDRPM6	ePA	11.01	23.98	-12.97
5245	6.0	NB UNII XHDRPM6	ePA	11.02	23.98	-12.96
5162	6.0	NB UNII XHDRPM6	iPA	-2.07	23.98	-26.05
5203	6.0	NB UNII XHDRPM6	iPA	-2.07	23.98	-26.05
5245	6.0	NB UNII XHDRPM6	iPA	-2.34	23.98	-26.32
5162	16.0	NB UNII HDRPM16	ePA	9.07	23.98	-14.91
5203	16.0	NB UNII HDRPM16	ePA	9.18	23.98	-14.80
5245	16.0	NB UNII HDRPM16	ePA	9.20	23.98	-14.78
5162	16.0	NB UNII HDRPM16	iPA	-5.06	23.98	-29.04
5203	16.0	NB UNII HDRPM16	iPA	-5.06	23.98	-29.04
5245	16.0	NB UNII HDRPM16	iPA	-5.49	23.98	-29.47
5162	12.0	NB UNII HDRPL12	ePA	11.24	23.98	-12.74
5203	12.0	NB UNII HDRPL12	ePA	10.66	23.98	-13.32
5245	12.0	NB UNII HDRPL12	ePA	10.59	23.98	-13.39
5162	12.0	NB UNII HDRPL12	iPA	-2.19	23.98	-26.17
5203	12.0	NB UNII HDRPL12	iPA	-2.20	23.98	-26.18
5245	12.0	NB UNII HDRPL12	iPA	-2.09	23.98	-26.07
5162	32.0	NB UNII HDRPL32	ePA	9.36	23.98	-14.62
5203	32.0	NB UNII HDRPL32	ePA	9.04	23.98	-14.94
5245	32.0	NB UNII HDRPL32	ePA	9.05	23.98	-14.93
5162	32.0	NB UNII HDRPL32	iPA	-5.38	23.98	-29.36
5203	32.0	NB UNII HDRPL32	iPA	-5.48	23.98	-29.46
5245	32.0	NB UNII HDRPL32	iPA	-5.07	23.98	-29.05
5162	2.0	NB UNII HDT2	ePA	11.25	23.98	-12.73
5203	2.0	NB UNII HDT2	ePA	11.34	23.98	-12.64
5245	2.0	NB UNII HDT2	ePA	11.32	23.98	-12.66
5162	2.0	NB UNII HDT2	iPA	-2.40	23.98	-26.38
5203	2.0	NB UNII HDT2	iPA	-2.30	23.98	-26.28
5245	2.0	NB UNII HDT2	iPA	-2.20	23.98	-26.18
5162	4.0	NB UNII HDT4	ePA	11.08	23.98	-12.90
5203	4.0	NB UNII HDT4	ePA	11.17	23.98	-12.81
5245	4.0	NB UNII HDT4	ePA	11.13	23.98	-12.85
5162	4.0	NB UNII HDT4	iPA	-2.44	23.98	-26.42
5203	4.0	NB UNII HDT4	iPA	-2.30	23.98	-26.28
5245	4.0	NB UNII HDT4	iPA	-2.20	23.98	-26.18
5162	6.0	NB UNII HDT6	ePA	8.98	23.98	-15.00
5203	6.0	NB UNII HDT6	ePA	9.09	23.98	-14.89
5245	6.0	NB UNII HDT6	ePA	9.07	23.98	-14.91
5162	6.0	NB UNII HDT6	iPA	-5.48	23.98	-29.46
5203	6.0	NB UNII HDT6	iPA	-5.34	23.98	-29.32
5245	6.0	NB UNII HDT6	iPA	-5.27	23.98	-29.25

Table 7-13. Antenna 1b Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				Antenna 3c	Antenna 3a	Summed		
5162	1.0	NB UNII BDR	ePA	6.73	6.65	9.70	23.98	-14.28
5203	1.0	NB UNII BDR	ePA	6.78	6.69	9.75	23.98	-14.23
5245	1.0	NB UNII BDR	ePA	6.68	6.98	9.84	23.98	-14.14
5162	1.0	NB UNII BDR	iPA	2.13	1.61	4.89	23.98	-19.09
5203	1.0	NB UNII BDR	iPA	2.50	1.63	5.10	23.98	-18.88
5245	1.0	NB UNII BDR	iPA	2.03	1.80	4.93	23.98	-19.05
5162	1.0	NB UNII LE1M	ePA	7.12	7.18	10.16	23.98	-13.82
5203	1.0	NB UNII LE1M	ePA	7.14	7.15	10.16	23.98	-13.82
5245	1.0	NB UNII LE1M	ePA	6.95	7.06	10.02	23.98	-13.96
5162	1.0	NB UNII LE1M	iPA	2.02	1.67	4.85	23.98	-19.13
5203	1.0	NB UNII LE1M	iPA	2.49	1.58	5.07	23.98	-18.91
5245	1.0	NB UNII LE1M	iPA	2.42	1.83	5.15	23.98	-18.83
5162	2.0	NB UNII LE2M	ePA	7.75	7.67	10.72	23.98	-13.26
5203	2.0	NB UNII LE2M	ePA	7.63	7.70	10.67	23.98	-13.31
5245	2.0	NB UNII LE2M	ePA	7.62	7.70	10.67	23.98	-13.31
5162	2.0	NB UNII LE2M	iPA	2.49	1.67	5.11	23.98	-18.87
5203	2.0	NB UNII LE2M	iPA	2.46	1.73	5.12	23.98	-18.86
5245	2.0	NB UNII LE2M	iPA	2.44	1.80	5.14	23.98	-18.84
5162	4.0	NB UNII HDR4	ePA	8.92	8.88	11.91	23.98	-12.07
5203	4.0	NB UNII HDR4	ePA	8.92	9.14	12.04	23.98	-11.94
5245	4.0	NB UNII HDR4	ePA	9.23	9.14	12.20	23.98	-11.78
5162	4.0	NB UNII HDR4	iPA	-0.91	-1.76	1.70	23.98	-22.28
5203	4.0	NB UNII HDR4	iPA	-0.83	-1.70	1.77	23.98	-22.21
5245	4.0	NB UNII HDR4	iPA	-0.98	-1.72	1.68	23.98	-22.30
5162	8.0	NB UNII HDR8	ePA	11.21	11.12	14.18	23.98	-9.80
5203	8.0	NB UNII HDR8	ePA	11.23	11.11	14.18	23.98	-9.80
5245	8.0	NB UNII HDR8	ePA	11.13	11.14	14.15	23.98	-9.83
5162	8.0	NB UNII HDR8	iPA	-0.91	-1.92	1.62	23.98	-22.36
5203	8.0	NB UNII HDR8	iPA	-0.97	-1.80	1.64	23.98	-22.34
5245	8.0	NB UNII HDR8	iPA	-0.51	-1.76	1.92	23.98	-22.06
5162	2.0	NB UNII HDRPS2	ePA	9.14	9.15	12.15	23.98	-11.83
5203	2.0	NB UNII HDRPS2	ePA	8.68	9.15	11.93	23.98	-12.05
5245	2.0	NB UNII HDRPS2	ePA	9.03	9.14	12.10	23.98	-11.88
5162	2.0	NB UNII HDRPS2	iPA	-0.58	-1.68	1.92	23.98	-22.06
5203	2.0	NB UNII HDRPS2	iPA	-0.55	-1.70	1.92	23.98	-22.06
5245	2.0	NB UNII HDRPS2	iPA	-0.53	-1.57	1.99	23.98	-21.99
5162	6.0	NB UNII XHDRPM6	ePA	11.67	11.49	14.59	23.98	-9.39
5203	6.0	NB UNII XHDRPM6	ePA	11.64	11.59	14.62	23.98	-9.36
5245	6.0	NB UNII XHDRPM6	ePA	11.69	11.69	14.70	23.98	-9.28
5162	6.0	NB UNII XHDRPM6	iPA	-0.84	-1.78	1.72	23.98	-22.26
5203	6.0	NB UNII XHDRPM6	iPA	-0.96	-1.78	1.66	23.98	-22.32
5245	6.0	NB UNII XHDRPM6	iPA	-1.06	-1.59	1.69	23.98	-22.29
5162	16.0	NB UNII HDRPM16	ePA	10.79	10.14	13.49	23.98	-10.49
5203	16.0	NB UNII HDRPM16	ePA	11.33	10.11	13.77	23.98	-10.21
5245	16.0	NB UNII HDRPM16	ePA	11.15	10.18	13.70	23.98	-10.28
5162	16.0	NB UNII HDRPM16	iPA	-3.78	-4.85	-1.27	23.98	-25.25
5203	16.0	NB UNII HDRPM16	iPA	-3.83	-4.67	-1.22	23.98	-25.20
5245	16.0	NB UNII HDRPM16	iPA	-3.65	-4.73	-1.15	23.98	-25.13
5162	12.0	NB UNII HDRPL12	ePA	13.11	12.35	15.76	23.98	-8.22
5203	12.0	NB UNII HDRPL12	ePA	13.13	12.46	15.82	23.98	-8.16
5245	12.0	NB UNII HDRPL12	ePA	12.99	12.49	15.76	23.98	-8.22
5162	12.0	NB UNII HDRPL12	iPA	-0.56	-1.85	1.85	23.98	-22.13
5203	12.0	NB UNII HDRPL12	iPA	-0.56	-1.86	1.85	23.98	-22.13
5245	12.0	NB UNII HDRPL12	iPA	-0.63	-1.79	1.84	23.98	-22.14
5162	32.0	NB UNII HDRPL32	ePA	11.33	10.35	13.88	23.98	-10.10
5203	32.0	NB UNII HDRPL32	ePA	11.26	10.02	13.69	23.98	-10.29
5245	32.0	NB UNII HDRPL32	ePA	11.09	10.05	13.61	23.98	-10.37
5162	32.0	NB UNII HDRPL32	iPA	-3.73	-4.16	-0.93	23.98	-24.91
5203	32.0	NB UNII HDRPL32	iPA	-3.61	-4.05	-0.81	23.98	-24.79
5245	32.0	NB UNII HDRPL32	iPA	-3.89	-4.15	-1.00	23.98	-24.98
5162	2.0	NB UNII HDT2	ePA	9.04	9.14	12.10	23.98	-11.88
5203	2.0	NB UNII HDT2	ePA	9.06	9.16	12.12	23.98	-11.86
5245	2.0	NB UNII HDT2	ePA	9.37	9.07	12.23	23.98	-11.75
5162	2.0	NB UNII HDT2	iPA	-0.55	-1.82	1.88	23.98	-22.10
5203	2.0	NB UNII HDT2	iPA	-0.53	-1.75	1.91	23.98	-22.07
5245	2.0	NB UNII HDT2	iPA	-0.60	-1.65	1.92	23.98	-22.06
5162	4.0	NB UNII HDT4	ePA	9.38	9.50	12.45	23.98	-11.53
5203	4.0	NB UNII HDT4	ePA	9.42	9.03	12.24	23.98	-11.74
5245	4.0	NB UNII HDT4	ePA	9.32	9.03	12.19	23.98	-11.79
5162	4.0	NB UNII HDT4	iPA	-0.55	-1.85	1.86	23.98	-22.12
5203	4.0	NB UNII HDT4	iPA	-0.52	-1.80	1.89	23.98	-22.09
5245	4.0	NB UNII HDT4	iPA	-0.61	-1.68	1.90	23.98	-22.08
5162	6.0	NB UNII HDT6	ePA	8.84	8.95	11.90	23.98	-12.08
5203	6.0	NB UNII HDT6	ePA	8.85	9.00	11.94	23.98	-12.04
5245	6.0	NB UNII HDT6	ePA	8.74	8.99	11.88	23.98	-12.10
5162	6.0	NB UNII HDT6	iPA	-3.88	-4.86	-1.33	23.98	-25.31
5203	6.0	NB UNII HDT6	iPA	-3.82	-4.78	-1.26	23.98	-25.24
5245	6.0	NB UNII HDT6	iPA	-3.77	-4.71	-1.21	23.98	-25.19

Table 7-14. TxBF Primary Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				Antenna 3c	Antenna 1b	Summed		
5162	1.0	NB UNII BDR	ePA	6.73	6.79	9.77	23.98	-14.21
5203	1.0	NB UNII BDR	ePA	6.78	6.78	9.79	23.98	-14.19
5245	1.0	NB UNII BDR	ePA	6.68	6.90	9.80	23.98	-14.18
5162	1.0	NB UNII BDR	iPA	2.13	0.98	4.61	23.98	-19.37
5203	1.0	NB UNII BDR	iPA	2.50	0.70	4.70	23.98	-19.28
5245	1.0	NB UNII BDR	iPA	2.03	0.89	4.51	23.98	-19.47
5162	1.0	NB UNII LE1M	ePA	7.12	6.88	10.01	23.98	-13.97
5203	1.0	NB UNII LE1M	ePA	7.14	6.95	10.06	23.98	-13.92
5245	1.0	NB UNII LE1M	ePA	6.95	6.92	9.95	23.98	-14.03
5162	1.0	NB UNII LE1M	iPA	2.02	0.05	4.15	23.98	-19.83
5203	1.0	NB UNII LE1M	iPA	2.49	0.11	4.47	23.98	-19.51
5245	1.0	NB UNII LE1M	iPA	2.42	0.14	4.44	23.98	-19.54
5162	2.0	NB UNII LE2M	ePA	7.75	7.78	10.78	23.98	-13.20
5203	2.0	NB UNII LE2M	ePA	7.63	7.58	10.61	23.98	-13.37
5245	2.0	NB UNII LE2M	ePA	7.62	7.83	10.74	23.98	-13.24
5162	2.0	NB UNII LE2M	iPA	2.49	0.70	4.70	23.98	-19.28
5203	2.0	NB UNII LE2M	iPA	2.46	0.84	4.73	23.98	-19.25
5245	2.0	NB UNII LE2M	iPA	2.44	0.73	4.68	23.98	-19.30
5162	4.0	NB UNII HDR4	ePA	8.92	9.09	12.02	23.98	-11.96
5203	4.0	NB UNII HDR4	ePA	8.92	9.11	12.02	23.98	-11.96
5245	4.0	NB UNII HDR4	ePA	9.23	9.09	12.17	23.98	-11.81
5162	4.0	NB UNII HDR4	iPA	-0.91	-2.31	1.46	23.98	-22.52
5203	4.0	NB UNII HDR4	iPA	-0.83	-2.20	1.55	23.98	-22.43
5245	4.0	NB UNII HDR4	iPA	-0.98	-2.29	1.43	23.98	-22.55
5162	8.0	NB UNII HDR8	ePA	11.21	11.08	14.16	23.98	-9.82
5203	8.0	NB UNII HDR8	ePA	11.23	11.08	14.16	23.98	-9.82
5245	8.0	NB UNII HDR8	ePA	11.13	11.46	14.30	23.98	-9.68
5162	8.0	NB UNII HDR8	iPA	-0.91	-2.49	1.38	23.98	-22.60
5203	8.0	NB UNII HDR8	iPA	-0.97	-2.30	1.43	23.98	-22.55
5245	8.0	NB UNII HDR8	iPA	-0.51	-2.38	1.66	23.98	-22.32
5162	2.0	NB UNII HDRPS2	ePA	9.14	8.85	12.00	23.98	-11.98
5203	2.0	NB UNII HDRPS2	ePA	8.68	8.90	11.80	23.98	-12.18
5245	2.0	NB UNII HDRPS2	ePA	9.03	8.85	11.95	23.98	-12.03
5162	2.0	NB UNII HDRPS2	iPA	-0.58	-2.44	1.60	23.98	-22.38
5203	2.0	NB UNII HDRPS2	iPA	-0.55	-2.20	1.72	23.98	-22.26
5245	2.0	NB UNII HDRPS2	iPA	-0.53	-2.08	1.77	23.98	-22.21
5162	6.0	NB UNII XHDRPM6	ePA	11.67	11.21	14.45	23.98	-9.53
5203	6.0	NB UNII XHDRPM6	ePA	11.64	11.31	14.49	23.98	-9.49
5245	6.0	NB UNII XHDRPM6	ePA	11.69	11.39	14.55	23.98	-9.43
5162	6.0	NB UNII XHDRPM6	iPA	-0.84	-2.50	1.42	23.98	-22.56
5203	6.0	NB UNII XHDRPM6	iPA	-0.96	-2.36	1.41	23.98	-22.57
5245	6.0	NB UNII XHDRPM6	iPA	-1.06	-2.20	1.42	23.98	-22.56
5162	16.0	NB UNII HDRPM16	ePA	10.79	9.28	13.11	23.98	-10.87
5203	16.0	NB UNII HDRPM16	ePA	11.33	9.35	13.46	23.98	-10.52
5245	16.0	NB UNII HDRPM16	ePA	11.15	9.24	13.31	23.98	-10.67
5162	16.0	NB UNII HDRPM16	iPA	-3.78	-5.57	-1.57	23.98	-25.55
5203	16.0	NB UNII HDRPM16	iPA	-3.83	-5.40	-1.53	23.98	-25.51
5245	16.0	NB UNII HDRPM16	iPA	-3.65	-5.22	-1.36	23.98	-25.34
5162	12.0	NB UNII HDRPL12	ePA	13.11	11.48	15.38	23.98	-8.60
5203	12.0	NB UNII HDRPL12	ePA	13.13	11.20	15.28	23.98	-8.70
5245	12.0	NB UNII HDRPL12	ePA	12.99	11.19	15.19	23.98	-8.79
5162	12.0	NB UNII HDRPL12	iPA	-0.56	-2.01	1.79	23.98	-22.19
5203	12.0	NB UNII HDRPL12	iPA	-0.56	-2.38	1.63	23.98	-22.35
5245	12.0	NB UNII HDRPL12	iPA	-0.63	-2.30	1.63	23.98	-22.35
5162	32.0	NB UNII HDRPL32	ePA	11.33	9.07	13.35	23.98	-10.63
5203	32.0	NB UNII HDRPL32	ePA	11.26	9.24	13.37	23.98	-10.61
5245	32.0	NB UNII HDRPL32	ePA	11.09	9.17	13.25	23.98	-10.73
5162	32.0	NB UNII HDRPL32	iPA	-3.73	-5.12	-1.36	23.98	-25.34
5203	32.0	NB UNII HDRPL32	iPA	-3.61	-5.45	-1.42	23.98	-25.40
5245	32.0	NB UNII HDRPL32	iPA	-3.89	-5.05	-1.42	23.98	-25.40
5162	2.0	NB UNII HDT2	ePA	9.04	9.16	12.11	23.98	-11.87
5203	2.0	NB UNII HDT2	ePA	9.06	9.29	12.18	23.98	-11.80
5245	2.0	NB UNII HDT2	ePA	9.37	9.22	12.30	23.98	-11.68
5162	2.0	NB UNII HDT2	iPA	-0.55	-2.60	1.56	23.98	-22.42
5203	2.0	NB UNII HDT2	iPA	-0.53	-2.33	1.68	23.98	-22.30
5245	2.0	NB UNII HDT2	iPA	-0.60	-2.25	1.66	23.98	-22.32
5162	4.0	NB UNII HDT4	ePA	9.38	9.03	12.22	23.98	-11.76
5203	4.0	NB UNII HDT4	ePA	9.42	9.12	12.28	23.98	-11.70
5245	4.0	NB UNII HDT4	ePA	9.32	9.11	12.23	23.98	-11.75
5162	4.0	NB UNII HDT4	iPA	-0.55	-2.59	1.56	23.98	-22.42
5203	4.0	NB UNII HDT4	iPA	-0.52	-2.34	1.67	23.98	-22.31
5245	4.0	NB UNII HDT4	iPA	-0.61	-2.26	1.65	23.98	-22.33
5162	6.0	NB UNII HDT6	ePA	8.84	8.98	11.92	23.98	-12.06
5203	6.0	NB UNII HDT6	ePA	8.85	9.08	11.98	23.98	-12.00
5245	6.0	NB UNII HDT6	ePA	8.74	9.05	11.91	23.98	-12.07
5162	6.0	NB UNII HDT6	iPA	-3.88	-5.58	-1.64	23.98	-25.62
5203	6.0	NB UNII HDT6	iPA	-3.82	-5.41	-1.53	23.98	-25.51
5245	6.0	NB UNII HDT6	iPA	-3.77	-5.30	-1.46	23.98	-25.44

Table 7-15. TxBF Diversity Maximum Conducted Output Power

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7.4.2 Conducted Output Power Measurements (U-NII-3)

Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5733	1.0	NB UNII BDR	ePA	18.87	30.00	-11.13
5788	1.0	NB UNII BDR	ePA	18.89	30.00	-11.11
5844	1.0	NB UNII BDR	ePA	18.96	30.00	-11.04
5733	1.0	NB UNII BDR	iPA	2.88	30.00	-27.12
5788	1.0	NB UNII BDR	iPA	2.74	30.00	-27.26
5844	1.0	NB UNII BDR	iPA	2.60	30.00	-27.40
5733	1.0	NB UNII LE1M	ePA	18.88	30.00	-11.12
5788	1.0	NB UNII LE1M	ePA	18.88	30.00	-11.12
5844	1.0	NB UNII LE1M	ePA	18.97	30.00	-11.03
5733	1.0	NB UNII LE1M	iPA	2.80	30.00	-27.20
5788	1.0	NB UNII LE1M	iPA	2.67	30.00	-27.33
5844	1.0	NB UNII LE1M	iPA	2.49	30.00	-27.51
5733	2.0	NB UNII LE2M	ePA	18.79	30.00	-11.21
5788	2.0	NB UNII LE2M	ePA	18.79	30.00	-11.21
5844	2.0	NB UNII LE2M	ePA	18.96	30.00	-11.04
5733	2.0	NB UNII LE2M	iPA	2.99	30.00	-27.01
5788	2.0	NB UNII LE2M	iPA	2.73	30.00	-27.27
5844	2.0	NB UNII LE2M	iPA	2.56	30.00	-27.44
5733	4.0	NB UNII HDR4	ePA	13.57	30.00	-16.43
5788	4.0	NB UNII HDR4	ePA	13.53	30.00	-16.47
5844	4.0	NB UNII HDR4	ePA	13.75	30.00	-16.26
5733	4.0	NB UNII HDR4	iPA	-0.22	30.00	-30.22
5788	4.0	NB UNII HDR4	iPA	-0.38	30.00	-30.38
5844	4.0	NB UNII HDR4	iPA	-0.44	30.00	-30.44
5733	8.0	NB UNII HDR8	ePA	13.52	30.00	-16.48
5788	8.0	NB UNII HDR8	ePA	13.56	30.00	-16.44
5844	8.0	NB UNII HDR8	ePA	13.69	30.00	-16.31
5733	8.0	NB UNII HDR8	iPA	-0.26	30.00	-30.26
5788	8.0	NB UNII HDR8	iPA	-0.41	30.00	-30.41
5844	8.0	NB UNII HDR8	iPA	-0.48	30.00	-30.48
5733	2.0	NB UNII HDRPS2	ePA	13.95	30.00	-16.05
5788	2.0	NB UNII HDRPS2	ePA	13.88	30.00	-16.12
5844	2.0	NB UNII HDRPS2	ePA	13.61	30.00	-16.39
5733	2.0	NB UNII HDRPS2	iPA	-0.12	30.00	-30.12
5788	2.0	NB UNII HDRPS2	iPA	-0.37	30.00	-30.37
5844	2.0	NB UNII HDRPS2	iPA	-0.57	30.00	-30.57
5733	6.0	NB UNII XHDRPM6	ePA	13.94	30.00	-16.06
5788	6.0	NB UNII XHDRPM6	ePA	13.96	30.00	-16.04
5844	6.0	NB UNII XHDRPM6	ePA	13.55	30.00	-16.45
5733	6.0	NB UNII XHDRPM6	iPA	-0.24	30.00	-30.24
5788	6.0	NB UNII XHDRPM6	iPA	-0.33	30.00	-30.33
5844	6.0	NB UNII XHDRPM6	iPA	-0.54	30.00	-30.54
5733	16.0	NB UNII HDRPM16	ePA	11.95	30.00	-18.05
5788	16.0	NB UNII HDRPM16	ePA	11.51	30.00	-18.49
5844	16.0	NB UNII HDRPM16	ePA	11.64	30.00	-18.36
5733	16.0	NB UNII HDRPM16	iPA	-3.25	30.00	-33.25
5788	16.0	NB UNII HDRPM16	iPA	-3.39	30.00	-33.39
5844	16.0	NB UNII HDRPM16	iPA	-3.50	30.00	-33.50
5733	12.0	NB UNII HDRPL12	ePA	13.79	30.00	-16.22
5788	12.0	NB UNII HDRPL12	ePA	13.84	30.00	-16.16
5844	12.0	NB UNII HDRPL12	ePA	13.99	30.00	-16.01
5733	12.0	NB UNII HDRPL12	iPA	-0.30	30.00	-30.30
5788	12.0	NB UNII HDRPL12	iPA	-0.49	30.00	-30.49
5844	12.0	NB UNII HDRPL12	iPA	-0.07	30.00	-30.07
5733	32.0	NB UNII HDRPL32	ePA	11.88	30.00	-18.12
5788	32.0	NB UNII HDRPL32	ePA	11.52	30.00	-18.48
5844	32.0	NB UNII HDRPL32	ePA	11.95	30.00	-18.05
5733	32.0	NB UNII HDRPL32	iPA	-3.12	30.00	-33.12
5788	32.0	NB UNII HDRPL32	iPA	-3.41	30.00	-33.41
5844	32.0	NB UNII HDRPL32	iPA	-3.41	30.00	-33.41
5733	2.0	NB UNII HDT2	ePA	13.90	30.00	-16.10
5788	2.0	NB UNII HDT2	ePA	13.90	30.00	-16.10
5844	2.0	NB UNII HDT2	ePA	13.98	30.00	-16.02
5733	2.0	NB UNII HDT2	iPA	-0.21	30.00	-30.21
5788	2.0	NB UNII HDT2	iPA	-0.40	30.00	-30.40
5844	2.0	NB UNII HDT2	iPA	-0.53	30.00	-30.53
5733	4.0	NB UNII HDT4	ePA	13.74	30.00	-16.27
5788	4.0	NB UNII HDT4	ePA	13.72	30.00	-16.28
5844	4.0	NB UNII HDT4	ePA	13.79	30.00	-16.21
5733	4.0	NB UNII HDT4	iPA	-0.24	30.00	-30.24
5788	4.0	NB UNII HDT4	iPA	-0.42	30.00	-30.42
5844	4.0	NB UNII HDT4	iPA	-0.54	30.00	-30.54
5733	6.0	NB UNII HDT6	ePA	11.65	30.00	-18.35
5788	6.0	NB UNII HDT6	ePA	11.66	30.00	-18.34
5844	6.0	NB UNII HDT6	ePA	11.75	30.00	-18.25
5733	6.0	NB UNII HDT6	iPA	-3.31	30.00	-33.31
5788	6.0	NB UNII HDT6	iPA	-3.48	30.00	-33.48
5844	6.0	NB UNII HDT6	iPA	-3.12	30.00	-33.12

Table 7-16. Antenna 3c Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5733	1.0	NB UNII BDR	ePA	17.44	30.00	-12.56
5788	1.0	NB UNII BDR	ePA	17.46	30.00	-12.54
5844	1.0	NB UNII BDR	ePA	17.44	30.00	-12.56
5733	1.0	NB UNII BDR	iPA	1.75	30.00	-28.26
5788	1.0	NB UNII BDR	iPA	1.70	30.00	-28.30
5844	1.0	NB UNII BDR	iPA	1.59	30.00	-28.42
5733	1.0	NB UNII LE1M	ePA	17.34	30.00	-12.66
5788	1.0	NB UNII LE1M	ePA	17.31	30.00	-12.69
5844	1.0	NB UNII LE1M	ePA	17.46	30.00	-12.54
5733	1.0	NB UNII LE1M	iPA	1.56	30.00	-28.44
5788	1.0	NB UNII LE1M	iPA	1.59	30.00	-28.41
5844	1.0	NB UNII LE1M	iPA	1.50	30.00	-28.50
5733	2.0	NB UNII LE2M	ePA	17.41	30.00	-12.60
5788	2.0	NB UNII LE2M	ePA	16.86	30.00	-13.14
5844	2.0	NB UNII LE2M	ePA	17.45	30.00	-12.55
5733	2.0	NB UNII LE2M	iPA	1.64	30.00	-28.36
5788	2.0	NB UNII LE2M	iPA	1.64	30.00	-28.36
5844	2.0	NB UNII LE2M	iPA	1.55	30.00	-28.45
5733	4.0	NB UNII HDR4	ePA	12.36	30.00	-17.64
5788	4.0	NB UNII HDR4	ePA	12.26	30.00	-17.74
5844	4.0	NB UNII HDR4	ePA	12.16	30.00	-17.84
5733	4.0	NB UNII HDR4	iPA	-1.42	30.00	-31.42
5788	4.0	NB UNII HDR4	iPA	-1.33	30.00	-31.33
5844	4.0	NB UNII HDR4	iPA	-1.47	30.00	-31.47
5733	8.0	NB UNII HDR8	ePA	12.20	30.00	-17.80
5788	8.0	NB UNII HDR8	ePA	12.18	30.00	-17.82
5844	8.0	NB UNII HDR8	ePA	12.05	30.00	-17.95
5733	8.0	NB UNII HDR8	iPA	-1.47	30.00	-31.47
5788	8.0	NB UNII HDR8	iPA	-0.83	30.00	-30.83
5844	8.0	NB UNII HDR8	iPA	-0.68	30.00	-30.68
5733	2.0	NB UNII HDRPS2	ePA	12.48	30.00	-17.52
5788	2.0	NB UNII HDRPS2	ePA	12.33	30.00	-17.67
5844	2.0	NB UNII HDRPS2	ePA	12.26	30.00	-17.74
5733	2.0	NB UNII HDRPS2	iPA	-1.28	30.00	-31.28
5788	2.0	NB UNII HDRPS2	iPA	-1.22	30.00	-31.22
5844	2.0	NB UNII HDRPS2	iPA	-1.44	30.00	-31.44
5733	6.0	NB UNII XHDRPM6	ePA	12.48	30.00	-17.52
5788	6.0	NB UNII XHDRPM6	ePA	12.42	30.00	-17.58
5844	6.0	NB UNII XHDRPM6	ePA	12.26	30.00	-17.74
5733	6.0	NB UNII XHDRPM6	iPA	-1.40	30.00	-31.40
5788	6.0	NB UNII XHDRPM6	iPA	-1.33	30.00	-31.33
5844	6.0	NB UNII XHDRPM6	iPA	-1.40	30.00	-31.40
5733	16.0	NB UNII HDRPM16	ePA	10.39	30.00	-19.61
5788	16.0	NB UNII HDRPM16	ePA	10.27	30.00	-19.73
5844	16.0	NB UNII HDRPM16	ePA	10.18	30.00	-19.82
5733	16.0	NB UNII HDRPM16	iPA	-4.29	30.00	-34.29
5788	16.0	NB UNII HDRPM16	iPA	-4.39	30.00	-34.39
5844	16.0	NB UNII HDRPM16	iPA	-4.46	30.00	-34.46
5733	12.0	NB UNII HDRPL12	ePA	12.45	30.00	-17.55
5788	12.0	NB UNII HDRPL12	ePA	12.35	30.00	-17.65
5844	12.0	NB UNII HDRPL12	ePA	12.25	30.00	-17.75
5733	12.0	NB UNII HDRPL12	iPA	-1.49	30.00	-31.49
5788	12.0	NB UNII HDRPL12	iPA	-1.45	30.00	-31.45
5844	12.0	NB UNII HDRPL12	iPA	-1.03	30.00	-31.03
5733	32.0	NB UNII HDRPL32	ePA	10.42	30.00	-19.58
5788	32.0	NB UNII HDRPL32	ePA	10.47	30.00	-19.53
5844	32.0	NB UNII HDRPL32	ePA	10.04	30.00	-19.96
5733	32.0	NB UNII HDRPL32	iPA	-3.84	30.00	-33.84
5788	32.0	NB UNII HDRPL32	iPA	-4.03	30.00	-34.03
5844	32.0	NB UNII HDRPL32	iPA	-3.85	30.00	-33.85
5733	2.0	NB UNII HDT2	ePA	12.44	30.00	-17.56
5788	2.0	NB UNII HDT2	ePA	12.38	30.00	-17.63
5844	2.0	NB UNII HDT2	ePA	12.26	30.00	-17.75
5733	2.0	NB UNII HDT2	iPA	-1.33	30.00	-31.33
5788	2.0	NB UNII HDT2	iPA	-1.35	30.00	-31.35
5844	2.0	NB UNII HDT2	iPA	-1.49	30.00	-31.49
5733	4.0	NB UNII HDT4	ePA	12.29	30.00	-17.71
5788	4.0	NB UNII HDT4	ePA	12.19	30.00	-17.81
5844	4.0	NB UNII HDT4	ePA	12.11	30.00	-17.89
5733	4.0	NB UNII HDT4	iPA	-1.40	30.00	-31.40
5788	4.0	NB UNII HDT4	iPA	-1.38	30.00	-31.38
5844	4.0	NB UNII HDT4	iPA	-1.50	30.00	-31.50
5733	6.0	NB UNII HDT6	ePA	10.20	30.00	-19.80
5788	6.0	NB UNII HDT6	ePA	10.09	30.00	-19.91
5844	6.0	NB UNII HDT6	ePA	10.00	30.00	-20.00
5733	6.0	NB UNII HDT6	iPA	-4.48	30.00	-34.48
5788	6.0	NB UNII HDT6	iPA	-4.47	30.00	-34.47
5844	6.0	NB UNII HDT6	iPA	-4.03	30.00	-34.03

Table 7-17. Antenna 3a Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5733	1.0	NB UNII BDR	ePA	16.87	30.00	-13.13
5788	1.0	NB UNII BDR	ePA	16.88	30.00	-13.12
5844	1.0	NB UNII BDR	ePA	16.77	30.00	-13.23
5733	1.0	NB UNII BDR	iPA	1.12	30.00	-28.88
5788	1.0	NB UNII BDR	iPA	1.08	30.00	-28.92
5844	1.0	NB UNII BDR	iPA	1.22	30.00	-28.78
5733	1.0	NB UNII LE1M	ePA	16.93	30.00	-13.07
5788	1.0	NB UNII LE1M	ePA	16.91	30.00	-13.09
5844	1.0	NB UNII LE1M	ePA	16.83	30.00	-13.17
5733	1.0	NB UNII LE1M	iPA	1.07	30.00	-28.93
5788	1.0	NB UNII LE1M	iPA	1.02	30.00	-28.98
5844	1.0	NB UNII LE1M	iPA	1.08	30.00	-28.92
5733	2.0	NB UNII LE2M	ePA	16.74	30.00	-13.26
5788	2.0	NB UNII LE2M	ePA	16.76	30.00	-13.24
5844	2.0	NB UNII LE2M	ePA	16.79	30.00	-13.21
5733	2.0	NB UNII LE2M	iPA	1.12	30.00	-28.88
5788	2.0	NB UNII LE2M	iPA	1.06	30.00	-28.94
5844	2.0	NB UNII LE2M	iPA	1.13	30.00	-28.87
5733	4.0	NB UNII HDR4	ePA	11.60	30.00	-18.40
5788	4.0	NB UNII HDR4	ePA	11.55	30.00	-18.45
5844	4.0	NB UNII HDR4	ePA	11.49	30.00	-18.51
5733	4.0	NB UNII HDR4	iPA	-1.97	30.00	-31.97
5788	4.0	NB UNII HDR4	iPA	-1.94	30.00	-31.94
5844	4.0	NB UNII HDR4	iPA	-1.81	30.00	-31.81
5733	8.0	NB UNII HDR8	ePA	11.49	30.00	-18.51
5788	8.0	NB UNII HDR8	ePA	11.48	30.00	-18.52
5844	8.0	NB UNII HDR8	ePA	11.95	30.00	-18.05
5733	8.0	NB UNII HDR8	iPA	-1.94	30.00	-31.94
5788	8.0	NB UNII HDR8	iPA	-2.00	30.00	-32.00
5844	8.0	NB UNII HDR8	iPA	-1.84	30.00	-31.84
5733	2.0	NB UNII HDRPS2	ePA	11.71	30.00	-18.29
5788	2.0	NB UNII HDRPS2	ePA	11.71	30.00	-18.29
5844	2.0	NB UNII HDRPS2	ePA	11.65	30.00	-18.35
5733	2.0	NB UNII HDRPS2	iPA	-1.78	30.00	-31.78
5788	2.0	NB UNII HDRPS2	iPA	-1.94	30.00	-31.94
5844	2.0	NB UNII HDRPS2	iPA	-1.70	30.00	-31.70
5733	6.0	NB UNII XHDRPM6	ePA	11.73	30.00	-18.27
5788	6.0	NB UNII XHDRPM6	ePA	11.58	30.00	-18.42
5844	6.0	NB UNII XHDRPM6	ePA	11.58	30.00	-18.42
5733	6.0	NB UNII XHDRPM6	iPA	-1.85	30.00	-31.85
5788	6.0	NB UNII XHDRPM6	iPA	-1.73	30.00	-31.73
5844	6.0	NB UNII XHDRPM6	iPA	-1.57	30.00	-31.57
5733	16.0	NB UNII HDRPM16	ePA	9.59	30.00	-20.41
5788	16.0	NB UNII HDRPM16	ePA	9.50	30.00	-20.50
5844	16.0	NB UNII HDRPM16	ePA	9.50	30.00	-20.50
5733	16.0	NB UNII HDRPM16	iPA	-4.97	30.00	-34.97
5788	16.0	NB UNII HDRPM16	iPA	-4.93	30.00	-34.93
5844	16.0	NB UNII HDRPM16	iPA	-4.69	30.00	-34.69
5733	12.0	NB UNII HDRPL12	ePA	11.64	30.00	-18.36
5788	12.0	NB UNII HDRPL12	ePA	11.59	30.00	-18.41
5844	12.0	NB UNII HDRPL12	ePA	11.56	30.00	-18.44
5733	12.0	NB UNII HDRPL12	iPA	-2.03	30.00	-32.03
5788	12.0	NB UNII HDRPL12	iPA	-1.92	30.00	-31.92
5844	12.0	NB UNII HDRPL12	iPA	-1.76	30.00	-31.76
5733	32.0	NB UNII HDRPL32	ePA	9.82	30.00	-20.18
5788	32.0	NB UNII HDRPL32	ePA	9.91	30.00	-20.09
5844	32.0	NB UNII HDRPL32	ePA	9.96	30.00	-20.04
5733	32.0	NB UNII HDRPL32	iPA	-4.66	30.00	-34.66
5788	32.0	NB UNII HDRPL32	iPA	-4.74	30.00	-34.74
5844	32.0	NB UNII HDRPL32	iPA	-4.99	30.00	-34.99
5733	2.0	NB UNII HDT2	ePA	11.64	30.00	-18.36
5788	2.0	NB UNII HDT2	ePA	11.59	30.00	-18.42
5844	2.0	NB UNII HDT2	ePA	11.57	30.00	-18.43
5733	2.0	NB UNII HDT2	iPA	-1.93	30.00	-31.93
5788	2.0	NB UNII HDT2	iPA	-1.84	30.00	-31.84
5844	2.0	NB UNII HDT2	iPA	-1.69	30.00	-31.69
5733	4.0	NB UNII HDT4	ePA	11.52	30.00	-18.49
5788	4.0	NB UNII HDT4	ePA	11.99	30.00	-18.01
5844	4.0	NB UNII HDT4	ePA	11.97	30.00	-18.03
5733	4.0	NB UNII HDT4	iPA	-1.94	30.00	-31.94
5788	4.0	NB UNII HDT4	iPA	-1.84	30.00	-31.84
5844	4.0	NB UNII HDT4	iPA	-1.71	30.00	-31.71
5733	6.0	NB UNII HDT6	ePA	9.92	30.00	-20.08
5788	6.0	NB UNII HDT6	ePA	9.86	30.00	-20.14
5844	6.0	NB UNII HDT6	ePA	9.85	30.00	-20.15
5733	6.0	NB UNII HDT6	iPA	-5.00	30.00	-35.00
5788	6.0	NB UNII HDT6	iPA	-4.94	30.00	-34.94
5844	6.0	NB UNII HDT6	iPA	-4.76	30.00	-34.76

Table 7-18. Antenna 1b Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				Antenna 3c	Antenna 3a	Summed		
5733	1.0	NB UNII BDR	ePA	18.87	17.21	21.13	30.00	-8.87
5788	1.0	NB UNII BDR	ePA	18.86	17.18	21.11	30.00	-8.89
5844	1.0	NB UNII BDR	ePA	18.76	17.18	21.05	30.00	-8.95
5733	1.0	NB UNII BDR	iPA	2.71	1.58	5.19	30.00	-24.81
5788	1.0	NB UNII BDR	iPA	2.60	1.57	5.13	30.00	-24.87
5844	1.0	NB UNII BDR	iPA	2.99	1.97	5.52	30.00	-24.48
5733	1.0	NB UNII LE1M	ePA	18.98	17.45	21.29	30.00	-8.71
5788	1.0	NB UNII LE1M	ePA	18.95	17.45	21.28	30.00	-8.72
5844	1.0	NB UNII LE1M	ePA	18.97	16.99	21.11	30.00	-8.89
5733	1.0	NB UNII LE1M	iPA	2.71	1.95	5.36	30.00	-24.64
5788	1.0	NB UNII LE1M	iPA	2.60	2.00	5.32	30.00	-24.68
5844	1.0	NB UNII LE1M	iPA	2.97	1.85	5.45	30.00	-24.55
5733	2.0	NB UNII LE2M	ePA	18.92	17.27	21.18	30.00	-8.82
5788	2.0	NB UNII LE2M	ePA	18.83	17.17	21.09	30.00	-8.91
5844	2.0	NB UNII LE2M	ePA	18.87	17.46	21.23	30.00	-8.77
5733	2.0	NB UNII LE2M	iPA	2.76	1.60	5.23	30.00	-24.77
5788	2.0	NB UNII LE2M	iPA	2.63	1.54	5.13	30.00	-24.87
5844	2.0	NB UNII LE2M	iPA	2.99	1.94	5.51	30.00	-24.49
5733	4.0	NB UNII HDR4	ePA	13.80	12.27	16.11	30.00	-13.89
5788	4.0	NB UNII HDR4	ePA	13.77	12.27	16.09	30.00	-13.91
5844	4.0	NB UNII HDR4	ePA	13.89	12.40	16.22	30.00	-13.78
5733	4.0	NB UNII HDR4	iPA	-0.28	-1.03	2.37	30.00	-27.63
5788	4.0	NB UNII HDR4	iPA	-0.47	-1.49	2.06	30.00	-27.94
5844	4.0	NB UNII HDR4	iPA	-0.07	-1.07	2.47	30.00	-27.53
5733	8.0	NB UNII HDR8	ePA	13.59	12.14	15.94	30.00	-14.06
5788	8.0	NB UNII HDR8	ePA	13.74	12.21	16.05	30.00	-13.95
5844	8.0	NB UNII HDR8	ePA	13.85	12.33	16.16	30.00	-13.84
5733	8.0	NB UNII HDR8	iPA	-0.35	-1.18	2.27	30.00	-27.73
5788	8.0	NB UNII HDR8	iPA	-0.53	-1.04	2.24	30.00	-27.76
5844	8.0	NB UNII HDR8	iPA	-0.14	-1.11	2.41	30.00	-27.59
5733	2.0	NB UNII HDRPS2	ePA	13.75	12.38	16.12	30.00	-13.88
5788	2.0	NB UNII HDRPS2	ePA	13.81	12.21	16.09	30.00	-13.91
5844	2.0	NB UNII HDRPS2	ePA	13.91	12.48	16.26	30.00	-13.74
5733	2.0	NB UNII HDRPS2	iPA	-0.38	-1.37	2.17	30.00	-27.83
5788	2.0	NB UNII HDRPS2	iPA	-0.34	-1.37	2.19	30.00	-27.81
5844	2.0	NB UNII HDRPS2	iPA	-0.42	-1.41	2.13	30.00	-27.87
5733	6.0	NB UNII XHDRPM6	ePA	13.71	12.34	16.09	30.00	-13.91
5788	6.0	NB UNII XHDRPM6	ePA	13.78	12.27	16.10	30.00	-13.90
5844	6.0	NB UNII XHDRPM6	ePA	13.48	12.39	15.98	30.00	-14.02
5733	6.0	NB UNII XHDRPM6	iPA	-0.35	-1.47	2.14	30.00	-27.86
5788	6.0	NB UNII XHDRPM6	iPA	-0.46	-1.42	2.10	30.00	-27.90
5844	6.0	NB UNII XHDRPM6	iPA	-0.61	-0.82	2.30	30.00	-27.70
5733	16.0	NB UNII HDRPM16	ePA	11.78	10.29	14.11	30.00	-15.89
5788	16.0	NB UNII HDRPM16	ePA	11.77	10.29	14.10	30.00	-15.90
5844	16.0	NB UNII HDRPM16	ePA	11.90	10.43	14.23	30.00	-15.77
5733	16.0	NB UNII HDRPM16	iPA	-3.30	-4.49	-0.84	30.00	-30.84
5788	16.0	NB UNII HDRPM16	iPA	-3.46	-3.88	-0.65	30.00	-30.65
5844	16.0	NB UNII HDRPM16	iPA	-3.06	-4.08	-0.53	30.00	-30.53
5733	12.0	NB UNII HDRPL12	ePA	13.61	12.42	16.06	30.00	-13.94
5788	12.0	NB UNII HDRPL12	ePA	13.59	12.25	15.98	30.00	-14.02
5844	12.0	NB UNII HDRPL12	ePA	13.73	12.33	16.10	30.00	-13.90
5733	12.0	NB UNII HDRPL12	iPA	-0.41	-0.86	2.38	30.00	-27.62
5788	12.0	NB UNII HDRPL12	iPA	-0.08	-1.50	2.28	30.00	-27.72
5844	12.0	NB UNII HDRPL12	iPA	-0.12	-1.17	2.40	30.00	-27.60
5733	32.0	NB UNII HDRPL32	ePA	11.70	10.39	14.10	30.00	-15.90
5788	32.0	NB UNII HDRPL32	ePA	11.83	10.31	14.14	30.00	-15.86
5844	32.0	NB UNII HDRPL32	ePA	11.74	10.35	14.11	30.00	-15.89
5733	32.0	NB UNII HDRPL32	iPA	-3.24	-3.95	-0.57	30.00	-30.57
5788	32.0	NB UNII HDRPL32	iPA	-3.03	-4.05	-0.50	30.00	-30.50
5844	32.0	NB UNII HDRPL32	iPA	-3.49	-3.92	-0.69	30.00	-30.69
5733	2.0	NB UNII HDT2	ePA	13.93	12.50	16.29	30.00	-13.71
5788	2.0	NB UNII HDT2	ePA	13.85	12.40	16.20	30.00	-13.80
5844	2.0	NB UNII HDT2	ePA	13.86	12.41	16.20	30.00	-13.80
5733	2.0	NB UNII HDT2	iPA	-0.34	-1.41	2.17	30.00	-27.83
5788	2.0	NB UNII HDT2	iPA	-0.01	-1.42	2.35	30.00	-27.65
5844	2.0	NB UNII HDT2	iPA	-0.07	-1.05	2.48	30.00	-27.52
5733	4.0	NB UNII HDT4	ePA	13.77	12.35	16.13	30.00	-13.87
5788	4.0	NB UNII HDT4	ePA	13.78	12.31	16.12	30.00	-13.88
5844	4.0	NB UNII HDT4	ePA	13.86	12.29	16.16	30.00	-13.84
5733	4.0	NB UNII HDT4	iPA	-0.35	-1.43	2.16	30.00	-27.84
5788	4.0	NB UNII HDT4	iPA	-0.01	-1.43	2.35	30.00	-27.65
5844	4.0	NB UNII HDT4	iPA	-0.08	-1.08	2.46	30.00	-27.54
5733	6.0	NB UNII HDT6	ePA	11.69	10.28	14.05	30.00	-15.95
5788	6.0	NB UNII HDT6	ePA	11.69	10.24	14.04	30.00	-15.96
5844	6.0	NB UNII HDT6	ePA	11.76	10.20	14.06	30.00	-15.94
5733	6.0	NB UNII HDT6	iPA	-3.42	-4.03	-0.70	30.00	-30.70
5788	6.0	NB UNII HDT6	iPA	-3.07	-4.16	-0.57	30.00	-30.57
5844	6.0	NB UNII HDT6	iPA	-3.19	-4.11	-0.62	30.00	-30.62

Table 7-19. TxBF Primary Maximum Conducted Output Power

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Frequency [MHz]	Data Rate	Mode	Power Scheme	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
				Antenna 3c	Antenna 1b	Summed		
5733	1.0	NB UNII BDR	ePA	18.87	16.80	20.97	30.00	-9.03
5788	1.0	NB UNII BDR	ePA	18.86	16.82	20.97	30.00	-9.03
5844	1.0	NB UNII BDR	ePA	18.76	16.80	20.90	30.00	-9.10
5733	1.0	NB UNII BDR	iPA	2.71	1.08	4.98	30.00	-25.02
5788	1.0	NB UNII BDR	iPA	2.60	1.08	4.92	30.00	-25.08
5844	1.0	NB UNII BDR	iPA	2.99	1.09	5.15	30.00	-24.85
5733	1.0	NB UNII LE1M	ePA	18.98	16.55	20.94	30.00	-9.06
5788	1.0	NB UNII LE1M	ePA	18.95	16.59	20.94	30.00	-9.06
5844	1.0	NB UNII LE1M	ePA	18.97	16.66	20.98	30.00	-9.02
5733	1.0	NB UNII LE1M	iPA	2.71	1.50	5.15	30.00	-24.85
5788	1.0	NB UNII LE1M	iPA	2.60	0.95	4.86	30.00	-25.14
5844	1.0	NB UNII LE1M	iPA	2.97	1.07	5.13	30.00	-24.87
5733	2.0	NB UNII LE2M	ePA	18.92	16.85	21.02	30.00	-8.98
5788	2.0	NB UNII LE2M	ePA	18.83	16.78	20.94	30.00	-9.06
5844	2.0	NB UNII LE2M	ePA	18.87	16.69	20.93	30.00	-9.07
5733	2.0	NB UNII LE2M	iPA	2.76	1.17	5.05	30.00	-24.95
5788	2.0	NB UNII LE2M	iPA	2.63	1.03	4.91	30.00	-25.09
5844	2.0	NB UNII LE2M	iPA	2.99	1.24	5.21	30.00	-24.79
5733	4.0	NB UNII HDR4	ePA	13.80	11.45	15.79	30.00	-14.21
5788	4.0	NB UNII HDR4	ePA	13.77	11.53	15.80	30.00	-14.20
5844	4.0	NB UNII HDR4	ePA	13.89	11.56	15.89	30.00	-14.11
5733	4.0	NB UNII HDR4	iPA	-0.28	-1.53	2.15	30.00	-27.85
5788	4.0	NB UNII HDR4	iPA	-0.47	-2.01	1.84	30.00	-28.16
5844	4.0	NB UNII HDR4	iPA	-0.07	-1.90	2.12	30.00	-27.88
5733	8.0	NB UNII HDR8	ePA	13.59	11.81	15.80	30.00	-14.20
5788	8.0	NB UNII HDR8	ePA	13.74	11.94	15.94	30.00	-14.06
5844	8.0	NB UNII HDR8	ePA	13.85	11.51	15.84	30.00	-14.16
5733	8.0	NB UNII HDR8	iPA	-0.35	-1.66	2.06	30.00	-27.94
5788	8.0	NB UNII HDR8	iPA	-0.53	-1.52	2.02	30.00	-27.98
5844	8.0	NB UNII HDR8	iPA	-0.14	-2.01	2.04	30.00	-27.96
5733	2.0	NB UNII HDRPS2	ePA	13.75	11.87	15.92	30.00	-14.08
5788	2.0	NB UNII HDRPS2	ePA	13.81	11.87	15.96	30.00	-14.04
5844	2.0	NB UNII HDRPS2	ePA	13.91	11.99	16.07	30.00	-13.93
5733	2.0	NB UNII HDRPS2	iPA	-0.38	-2.05	1.88	30.00	-28.12
5788	2.0	NB UNII HDRPS2	iPA	-0.34	-1.86	1.98	30.00	-28.02
5844	2.0	NB UNII HDRPS2	iPA	-0.42	-1.67	2.01	30.00	-27.99
5733	6.0	NB UNII XHDRPM6	ePA	13.71	11.74	15.85	30.00	-14.15
5788	6.0	NB UNII XHDRPM6	ePA	13.78	11.81	15.91	30.00	-14.09
5844	6.0	NB UNII XHDRPM6	ePA	13.48	11.73	15.70	30.00	-14.30
5733	6.0	NB UNII XHDRPM6	iPA	-0.35	-2.07	1.88	30.00	-28.12
5788	6.0	NB UNII XHDRPM6	iPA	-0.46	-1.91	1.89	30.00	-28.11
5844	6.0	NB UNII XHDRPM6	iPA	-0.61	-1.78	1.85	30.00	-28.15
5733	16.0	NB UNII HDRPM16	ePA	11.78	9.70	13.87	30.00	-16.13
5788	16.0	NB UNII HDRPM16	ePA	11.77	9.80	13.90	30.00	-16.10
5844	16.0	NB UNII HDRPM16	ePA	11.90	9.87	14.01	30.00	-15.99
5733	16.0	NB UNII HDRPM16	iPA	-3.30	-4.53	-0.86	30.00	-30.86
5788	16.0	NB UNII HDRPM16	iPA	-3.46	-4.98	-1.14	30.00	-31.14
5844	16.0	NB UNII HDRPM16	iPA	-3.06	-4.87	-0.86	30.00	-30.86
5733	12.0	NB UNII HDRPL12	ePA	13.61	11.63	15.74	30.00	-14.26
5788	12.0	NB UNII HDRPL12	ePA	13.59	11.70	15.76	30.00	-14.24
5844	12.0	NB UNII HDRPL12	ePA	13.73	11.75	15.86	30.00	-14.14
5733	12.0	NB UNII HDRPL12	iPA	-0.41	-1.58	2.05	30.00	-27.95
5788	12.0	NB UNII HDRPL12	iPA	-0.08	-1.51	2.27	30.00	-27.73
5844	12.0	NB UNII HDRPL12	iPA	-0.12	-1.89	2.10	30.00	-27.90
5733	32.0	NB UNII HDRPL32	ePA	11.70	9.58	13.78	30.00	-16.22
5788	32.0	NB UNII HDRPL32	ePA	11.83	9.67	13.89	30.00	-16.11
5844	32.0	NB UNII HDRPL32	ePA	11.74	9.72	13.86	30.00	-16.14
5733	32.0	NB UNII HDRPL32	iPA	-3.24	-4.76	-0.92	30.00	-30.92
5788	32.0	NB UNII HDRPL32	iPA	-3.03	-4.81	-0.82	30.00	-30.82
5844	32.0	NB UNII HDRPL32	iPA	-3.49	-5.01	-1.17	30.00	-31.17
5733	2.0	NB UNII HDT2	ePA	13.93	11.84	16.02	30.00	-13.98
5788	2.0	NB UNII HDT2	ePA	13.85	11.80	15.96	30.00	-14.04
5844	2.0	NB UNII HDT2	ePA	13.86	11.70	15.92	30.00	-14.08
5733	2.0	NB UNII HDT2	iPA	-0.34	-1.53	2.11	30.00	-27.89
5788	2.0	NB UNII HDT2	iPA	-0.01	-2.00	2.12	30.00	-27.88
5844	2.0	NB UNII HDT2	iPA	-0.07	-1.82	2.15	30.00	-27.85
5733	4.0	NB UNII HDT4	ePA	13.77	11.70	15.87	30.00	-14.13
5788	4.0	NB UNII HDT4	ePA	13.78	11.66	15.86	30.00	-14.14
5844	4.0	NB UNII HDT4	ePA	13.86	11.57	15.87	30.00	-14.13
5733	4.0	NB UNII HDT4	iPA	-0.35	-1.52	2.12	30.00	-27.88
5788	4.0	NB UNII HDT4	iPA	-0.01	-1.98	2.13	30.00	-27.87
5844	4.0	NB UNII HDT4	iPA	-0.08	-1.82	2.15	30.00	-27.85
5733	6.0	NB UNII HDT6	ePA	11.69	9.59	13.77	30.00	-16.23
5788	6.0	NB UNII HDT6	ePA	11.69	9.53	13.75	30.00	-16.25
5844	6.0	NB UNII HDT6	ePA	11.76	9.96	13.96	30.00	-16.04
5733	6.0	NB UNII HDT6	iPA	-3.42	-4.55	-0.94	30.00	-30.94
5788	6.0	NB UNII HDT6	iPA	-3.07	-5.02	-0.92	30.00	-30.92
5844	6.0	NB UNII HDT6	iPA	-3.19	-4.88	-0.95	30.00	-30.95

Table 7-20. TxBF Diversity Maximum Conducted Output Power

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Note:

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna 3c and Antenna 3a were first measured separately during TxBF transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 Section 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \ldots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 Section 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \ldots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample TxBF Calculation:

At 5162MHz, the average conducted output power was measured to be 6.73 dBm for Antenna 3c and 6.65 dBm for Antenna 3a.

Antenna 3c + Antenna 3a = TxBF

(6.73 dBm + 6.65 dBm) = (4.709 mW + 4.623 mW) = 9.332 mW = 9.70 dBm

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7.5 Maximum Power Spectral Density

§15.407(a.1.iv) §15.407(a.3.i)

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz band, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 12.4.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Subclause 14.5.2.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz for U-NII 1, 500kHz for U-NII 3
4. VBW ≥ 3MHz for U-NII 1, ≥ 3 x RBW for U-NII 3
5. Number of sweep points ≥ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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

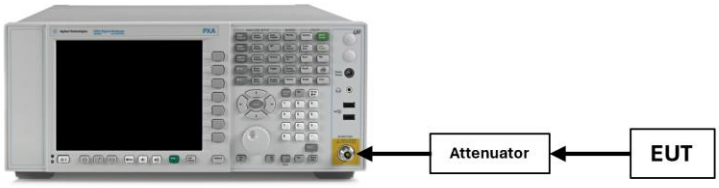

Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. Low, mid and high channels were tested and tabular data has been reported. Only mid channel plots has been reported.

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7.5.1 Antenna 3c Power Spectral Density Measurements (U-NII-1)

Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
5162	1.0	NB UNII BDR	ePA	9.20	11.00	-1.81
5203	1.0	NB UNII BDR	ePA	9.33	11.00	-1.67
5245	1.0	NB UNII BDR	ePA	9.07	11.00	-1.93
5162	1.0	NB UNII BDR	iPA	2.12	11.00	-8.88
5203	1.0	NB UNII BDR	iPA	2.16	11.00	-8.84
5245	1.0	NB UNII BDR	iPA	2.06	11.00	-8.94
5162	1.0	NB UNII LE1M	ePA	9.47	11.00	-1.54
5203	1.0	NB UNII LE1M	ePA	9.45	11.00	-1.55
5245	1.0	NB UNII LE1M	ePA	9.43	11.00	-1.57
5162	1.0	NB UNII LE1M	iPA	1.99	11.00	-9.01
5203	1.0	NB UNII LE1M	iPA	1.92	11.00	-9.08
5245	1.0	NB UNII LE1M	iPA	1.86	11.00	-9.14
5162	2.0	NB UNII LE2M	ePA	9.42	11.00	-1.59
5203	2.0	NB UNII LE2M	ePA	9.50	11.00	-1.50
5245	2.0	NB UNII LE2M	ePA	9.38	11.00	-1.62
5162	2.0	NB UNII LE2M	iPA	1.07	11.00	-9.93
5203	2.0	NB UNII LE2M	iPA	1.06	11.00	-9.94
5245	2.0	NB UNII LE2M	iPA	0.89	11.00	-10.11
5162	4.0	NB UNII HDR4	ePA	9.27	11.00	-1.73
5203	4.0	NB UNII HDR4	ePA	9.47	11.00	-1.53
5245	4.0	NB UNII HDR4	ePA	9.16	11.00	-1.84
5162	4.0	NB UNII HDR4	iPA	-3.58	11.00	-14.58
5203	4.0	NB UNII HDR4	iPA	-3.48	11.00	-14.48
5245	4.0	NB UNII HDR4	iPA	-3.65	11.00	-14.65
5162	8.0	NB UNII HDR8	ePA	8.20	11.00	-2.80
5203	8.0	NB UNII HDR8	ePA	8.25	11.00	-2.75
5245	8.0	NB UNII HDR8	ePA	8.00	11.00	-3.00
5162	8.0	NB UNII HDR8	iPA	-6.21	11.00	-17.21
5203	8.0	NB UNII HDR8	iPA	-6.21	11.00	-17.21
5245	8.0	NB UNII HDR8	iPA	-6.18	11.00	-17.18
5162	2.0	NB UNII HDRPS2	ePA	7.69	11.00	-3.31
5203	2.0	NB UNII HDRPS2	ePA	7.69	11.00	-3.31
5245	2.0	NB UNII HDRPS2	ePA	7.58	11.00	-3.42
5162	2.0	NB UNII HDRPS2	iPA	-5.06	11.00	-16.06
5203	2.0	NB UNII HDRPS2	iPA	-5.13	11.00	-16.13
5245	2.0	NB UNII HDRPS2	iPA	-5.23	11.00	-16.23
5162	6.0	NB UNII XHDRPM6	ePA	6.08	11.00	-4.92
5203	6.0	NB UNII XHDRPM6	ePA	6.12	11.00	-4.88
5245	6.0	NB UNII XHDRPM6	ePA	5.95	11.00	-5.06
5162	6.0	NB UNII XHDRPM6	iPA	-7.80	11.00	-18.80
5203	6.0	NB UNII XHDRPM6	iPA	-8.14	11.00	-19.14
5245	6.0	NB UNII XHDRPM6	iPA	-8.06	11.00	-19.06
5162	16.0	NB UNII HDRPM16	ePA	4.38	11.00	-6.62
5203	16.0	NB UNII HDRPM16	ePA	3.91	11.00	-7.09
5245	16.0	NB UNII HDRPM16	ePA	4.35	11.00	-6.65
5162	16.0	NB UNII HDRPM16	iPA	-10.52	11.00	-21.52
5203	16.0	NB UNII HDRPM16	iPA	-10.79	11.00	-21.79
5245	16.0	NB UNII HDRPM16	iPA	-10.75	11.00	-21.75
5162	12.0	NB UNII HDRPL12	ePA	3.40	11.00	-7.60
5203	12.0	NB UNII HDRPL12	ePA	3.29	11.00	-7.71
5245	12.0	NB UNII HDRPL12	ePA	3.17	11.00	-7.83
5162	12.0	NB UNII HDRPL12	iPA	-11.00	11.00	-22.00
5203	12.0	NB UNII HDRPL12	iPA	-10.92	11.00	-21.92
5245	12.0	NB UNII HDRPL12	iPA	-10.63	11.00	-21.63
5162	32.0	NB UNII HDRPL32	ePA	3.19	11.00	-7.81
5203	32.0	NB UNII HDRPL32	ePA	4.21	11.00	-6.79
5245	32.0	NB UNII HDRPL32	ePA	4.11	11.00	-6.89
5162	32.0	NB UNII HDRPL32	iPA	-10.70	11.00	-21.70
5203	32.0	NB UNII HDRPL32	iPA	-11.18	11.00	-22.18
5245	32.0	NB UNII HDRPL32	iPA	-10.75	11.00	-21.75
5162	2.0	NB UNII HDT2	ePA	7.74	11.00	-3.26
5203	2.0	NB UNII HDT2	ePA	7.72	11.00	-3.28
5245	2.0	NB UNII HDT2	ePA	7.64	11.00	-3.36
5162	2.0	NB UNII HDT2	iPA	-5.17	11.00	-16.17
5203	2.0	NB UNII HDT2	iPA	-5.21	11.00	-16.21
5245	2.0	NB UNII HDT2	iPA	-5.40	11.00	-16.40
5162	4.0	NB UNII HDT4	ePA	8.05	11.00	-2.95
5203	4.0	NB UNII HDT4	ePA	8.04	11.00	-2.97
5245	4.0	NB UNII HDT4	ePA	7.88	11.00	-3.13
5162	4.0	NB UNII HDT4	iPA	-5.18	11.00	-16.18
5203	4.0	NB UNII HDT4	iPA	-5.37	11.00	-16.37
5245	4.0	NB UNII HDT4	iPA	-4.87	11.00	-15.87
5162	6.0	NB UNII HDT6	ePA	7.04	11.00	-3.96
5203	6.0	NB UNII HDT6	ePA	7.00	11.00	-4.00
5245	6.0	NB UNII HDT6	ePA	6.82	11.00	-4.18
5162	6.0	NB UNII HDT6	iPA	-7.94	11.00	-18.94
5203	6.0	NB UNII HDT6	iPA	-8.16	11.00	-19.16
5245	6.0	NB UNII HDT6	iPA	-8.18	11.00	-19.18

Table 7-21. Power Spectral Density Measurements Antenna 3c

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