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Plot 7-53. BANDWIDTH Plot - ANT2 - CH. 5 - SP1 - Preamble 29


Plot 7-54. BANDWIDTH Plot - ANT2 - CH. 5 - SP3 - Preamble 29

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SIMSUNF | Approved by: <br> Quality Manager |
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| Test Report S/N: <br> 1M2009140143-29.A3L | Test Dates: 09/15-11/10/2020 | EUT Type: <br> Portable Handset |  | Page 39 of 120 |

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Plot 7-55. BANDWIDTH Plot - ANT1 - CH. 5 - SP0 - Preamble 30


Plot 7-56. BANDWIDTH Plot - ANT1 - CH. 5 - SP1 - Preamble 30

| FCC ID: A3LSMG996U | $\sqrt{\text { ref PTESTT }}$ | MEASUREMENT REPORT (CERTIFICATION) | SHMSUNF | Approved by: <br> Quality Manager |
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| Test Report S/N: <br> 1M2009140143-29.A3L | Test Dates: 09/15-11/10/2020 | EUT Type: <br> Portable Handset |  | Page 40 of 120 |

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Plot 7-57. BANDWIDTH Plot - ANT1 - CH. 5 - SP3 - Preamble 30


Plot 7-58. BANDWIDTH Plot - ANT2 - CH.5-SP0 - Preamble 30

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Plot 7-59. BANDWIDTH Plot - ANT2 - CH. 5 - SP1 - Preamble 30


Plot 7-60. BANDWIDTH Plot - ANT2 - CH. 5 - SP3 - Preamble 30

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Plot 7-61. BANDWIDTH Plot - ANT1 - CH. 5 - SP0 - Preamble 31


Plot 7-62. BANDWIDTH Plot - ANT1 - CH. 5 - SP1 - Preamble 31

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SHMSUNG | Approved by: <br> Quality Manager |
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Plot 7-63. BANDWIDTH Plot - ANT1 - CH. 5 - SP3 - Preamble 31


Plot 7-64. BANDWIDTH Plot - ANT2 - CH. 5 - SPO - Preamble 31

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SIMSUNF | Approved by: <br> Quality Manager |
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Plot 7-65. BANDWIDTH Plot - ANT2 - CH. 5 - SP1 - Preamble 31


Plot 7-66. BANDWIDTH Plot - ANT2 - CH. 5 - SP3 - Preamble 31

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SHMSUNG | Approved by: <br> Quality Manager |
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Plot 7-67. BANDWIDTH Plot - ANT1 - CH. 5 - SP0 - Preamble 32


Plot 7-68. BANDWIDTH Plot - ANT1 - CH. 5 - SP1 - Preamble 32

| FCC ID: A3LSMG996U | $\sqrt{\text { ref PCTEST }}$ | MEASUREMENT REPORT (CERTIFICATION) | Snmsune | Approved by: <br> Quality Manager |
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Plot 7-69. BANDWIDTH Plot - ANT1 - CH. 5 - SP3 - Preamble 32


Plot 7-70. BANDWIDTH Plot - ANT2 - CH.5-SP0 - Preamble 32

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SHMSUNG | Approved by: <br> Quality Manager |
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Plot 7-71. BANDWIDTH Plot - ANT2 - CH. 5 - SP1 - Preamble 32


Plot 7-72. BANDWIDTH Plot - ANT2 - CH. 5 - SP3 - Preamble 32

| FCC ID: A3LSMG996U |  | MEASUREMENT REPORT (CERTIFICATION) | SIMSUNF | Approved by: <br> Quality Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 1M2009140143-29.A3L | Test Dates: 09/15-11/10/2020 | EUT Type: <br> Portable Handset |  | Page 48 of 120 |

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| ANT | CH | Preamble <br> Id | CONFIG | Mode | PAYLOAD [Bytes] | $\begin{gathered} \mathrm{FL} \\ {[\mathrm{GHz}]} \end{gathered}$ | $\begin{gathered} \mathrm{FH} \\ {[\mathrm{GHz}]} \end{gathered}$ | $\begin{gathered} \mathrm{fM} \\ {[\mathrm{GHz}]} \end{gathered}$ | $\begin{gathered} \mathrm{BW} \\ {[\mathrm{MHz}]} \end{gathered}$ | Min BW <br> [MHz] | Pass/Fail |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 9 | 9 | SPO | BPRF | 20 | 7.801 | 8.374 | 8.088 | 573.00 | 500 | P |
| 1 | 9 | 9 | SP1 | BPRF | 20 | 7.788 | 8.373 | 8.081 | 585.00 | 500 | P |
| 1 | 9 | 9 | SP3 | BPRF | 20 | 7.749 | 8.260 | 8.005 | 511.00 | 500 | P |
| 2 | 9 | 9 | SPO | BPRF | 20 | 7.693 | 8.375 | 8.034 | 682.00 | 500 | P |
| 2 | 9 | 9 | SP1 | BPRF | 20 | 7.601 | 8.374 | 7.988 | 773.00 | 500 | P |
| 2 | 9 | 9 | SP3 | BPRF | 20 | 7.601 | 8.381 | 7.991 | 780.00 | 500 | P |
| 1 | 9 | 10 | SPO | BPRF | 20 | 7.596 | 8.376 | 7.986 | 780.00 | 500 | P |
| 1 | 9 | 10 | SP1 | BPRF | 20 | 7.596 | 8.379 | 7.988 | 783.00 | 500 | P |
| 1 | 9 | 10 | SP3 | BPRF | 20 | 7.598 | 8.374 | 7.986 | 776.00 | 500 | P |
| 2 | 9 | 10 | SPO | BPRF | 20 | 7.679 | 8.380 | 8.030 | 701.00 | 500 | P |
| 2 | 9 | 10 | SP1 | BPRF | 20 | 7.595 | 8.379 | 7.987 | 784.00 | 500 | P |
| 2 | 9 | 10 | SP3 | BPRF | 20 | 7.683 | 8.379 | 8.031 | 696.00 | 500 | P |
| 1 | 9 | 11 | SPO | BPRF | 20 | 7.596 | 8.376 | 7.986 | 780.00 | 500 | P |
| 1 | 9 | 11 | SP1 | BPRF | 20 | 7.597 | 8.376 | 7.987 | 779.00 | 500 | P |
| 1 | 9 | 11 | SP3 | BPRF | 20 | 7.764 | 8.379 | 8.072 | 615.00 | 500 | P |
| 2 | 9 | 11 | SPO | BPRF | 20 | 7.599 | 8.375 | 7.987 | 776.00 | 500 | P |
| 2 | 9 | 11 | SP1 | BPRF | 20 | 7.594 | 8.380 | 7.987 | 786.00 | 500 | P |
| 2 | 9 | 11 | SP3 | BPRF | 20 | 7.683 | 8.379 | 8.031 | 696.00 | 500 | P |
| 1 | 9 | 12 | SPO | BPRF | 20 | 7.598 | 8.375 | 7.987 | 777.00 | 500 | P |
| 1 | 9 | 12 | SP1 | BPRF | 20 | 7.597 | 8.380 | 7.989 | 783.00 | 500 | P |
| 1 | 9 | 12 | SP3 | BPRF | 20 | 7.597 | 8.379 | 7.988 | 782.00 | 500 | P |
| 2 | 9 | 12 | SPO | BPRF | 20 | 7.594 | 8.380 | 7.987 | 786.00 | 500 | P |
| 2 | 9 | 12 | SP1 | BPRF | 20 | 7.601 | 8.378 | 7.990 | 777.00 | 500 | P |
| 2 | 9 | 12 | SP3 | BPRF | 20 | 7.600 | 8.377 | 7.989 | 777.00 | 500 | P |
| 1 | 9 | 25 | SPO | BPRF | 20 | 7.775 | 8.377 | 8.076 | 602.00 | 500 | P |
| 1 | 9 | 25 | SP1 | BPRF | 20 | 7.758 | 8.378 | 8.068 | 620.00 | 500 | P |
| 1 | 9 | 25 | SP3 | BPRF | 20 | 7.752 | 8.377 | 8.065 | 625.00 | 500 | P |
| 2 | 9 | 25 | SPO | BPRF | 20 | 7.596 | 8.379 | 7.988 | 783.00 | 500 | P |
| 2 | 9 | 25 | SP1 | BPRF | 20 | 7.597 | 8.374 | 7.986 | 777.00 | 500 | P |
| 2 | 9 | 25 | SP3 | BPRF | 20 | 7.595 | 8.229 | 7.912 | 634.00 | 500 | P |
| 1 | 9 | 26 | SPO | HPRF | 20 | 7.776 | 8.379 | 8.078 | 603.00 | 500 | P |
| 1 | 9 | 26 | SP1 | HPRF | 20 | 7.761 | 8.378 | 8.070 | 617.00 | 500 | P |
| 1 | 9 | 26 | SP3 | HPRF | 20 | 7.769 | 8.378 | 8.074 | 609.00 | 500 | P |
| 2 | 9 | 26 | SPO | HPRF | 20 | 7.600 | 8.376 | 7.988 | 776.00 | 500 | P |
| 2 | 9 | 26 | SP1 | HPRF | 20 | 7.675 | 8.217 | 7.946 | 542.00 | 500 | P |
| 2 | 9 | 26 | SP3 | HPRF | 20 | 7.675 | 8.378 | 8.027 | 703.00 | 500 | P |
| 1 | 9 | 27 | SPO | HPRF | 20 | 7.799 | 8.376 | 8.088 | 577.00 | 500 | P |
| 1 | 9 | 27 | SP1 | HPRF | 20 | 7.784 | 8.377 | 8.081 | 593.00 | 500 | P |
| 1 | 9 | 27 | SP3 | HPRF | 20 | 7.770 | 8.377 | 8.074 | 607.00 | 500 | P |
| 2 | 9 | 27 | SP0 | HPRF | 20 | 7.598 | 8.225 | 7.912 | 627.00 | 500 | P |
| 2 | 9 | 27 | SP1 | HPRF | 20 | 7.691 | 8.376 | 8.034 | 685.00 | 500 | P |
| 2 | 9 | 27 | SP3 | HPRF | 20 | 7.597 | 8.375 | 7.986 | 778.00 | 500 | P |
| 1 | 9 | 28 | SPO | HPRF | 20 | 7.762 | 8.377 | 8.070 | 615.00 | 500 | P |
| 1 | 9 | 28 | SP1 | HPRF | 20 | 7.765 | 8.376 | 8.071 | 611.00 | 500 | P |
| 1 | 9 | 28 | SP3 | HPRF | 20 | 7.769 | 8.376 | 8.073 | 607.00 | 500 | P |
| 2 | 9 | 28 | SPO | HPRF | 20 | 7.595 | 8.375 | 7.985 | 780.00 | 500 | P |
| 2 | 9 | 28 | SP1 | HPRF | 20 | 7.596 | 8.376 | 7.986 | 780.00 | 500 | P |
| 2 | 9 | 28 | SP3 | HPRF | 20 | 7.679 | 8.378 | 8.029 | 699.00 | 500 | P |
| 1 | 9 | 29 | SP0 | HPRF | 20 | 7.767 | 8.376 | 8.072 | 609.00 | 500 | P |
| 1 | 9 | 29 | SP1 | HPRF | 20 | 7.757 | 8.378 | 8.068 | 621.00 | 500 | P |
| 1 | 9 | 29 | SP3 | HPRF | 20 | 7.769 | 8.377 | 8.073 | 608.00 | 500 | P |
| 2 | 9 | 29 | SPO | HPRF | 20 | 7.674 | 8.379 | 8.027 | 705.00 | 500 | P |
| 2 | 9 | 29 | SP1 | HPRF | 20 | 7.670 | 8.378 | 8.024 | 708.00 | 500 | P |
| 2 | 9 | 29 | SP3 | HPRF | 20 | 7.599 | 8.376 | 7.988 | 777.00 | 500 | P |
| 1 | 9 | 30 | SP0 | HPRF | 20 | 7.780 | 8.378 | 8.079 | 598.00 | 500 | P |
| 1 | 9 | 30 | SP1 | HPRF | 20 | 7.769 | 8.378 | 8.074 | 609.00 | 500 | P |
| 1 | 9 | 30 | SP3 | HPRF | 20 | 7.758 | 8.375 | 8.067 | 617.00 | 500 | P |
| 2 | 9 | 30 | SPO | HPRF | 20 | 7.599 | 8.375 | 7.987 | 776.00 | 500 | P |
| 2 | 9 | 30 | SP1 | HPRF | 20 | 7.595 | 8.099 | 7.847 | 504.00 | 500 | P |
| 2 | 9 | 30 | SP3 | HPRF | 20 | 7.598 | 8.104 | 7.851 | 506.00 | 500 | P |
| 1 | 9 | 31 | SP0 | HPRF | 20 | 7.775 | 8.378 | 8.077 | 603.00 | 500 | P |
| 1 | 9 | 31 | SP1 | HPRF | 20 | 7.758 | 8.378 | 8.068 | 620.00 | 500 | P |
| 1 | 9 | 31 | SP3 | HPRF | 20 | 7.769 | 8.379 | 8.074 | 610.00 | 500 | P |
| 2 | 9 | 31 | SP0 | HPRF | 20 | 7.597 | 8.375 | 7.986 | 778.00 | 500 | P |
| 2 | 9 | 31 | SP1 | HPRF | 20 | 7.598 | 8.376 | 7.987 | 778.00 | 500 | P |
| 2 | 9 | 31 | SP3 | HPRF | 20 | 7.599 | 8.377 | 7.988 | 778.00 | 500 | P |
| 1 | 9 | 32 | SPO | HPRF | 20 | 7.782 | 8.378 | 8.080 | 596.00 | 500 | P |
| 1 | 9 | 32 | SP1 | HPRF | 20 | 7.769 | 8.377 | 8.073 | 608.00 | 500 | P |
| 1 | 9 | 32 | SP3 | HPRF | 20 | 7.764 | 8.376 | 8.070 | 612.00 | 500 | P |
| 2 | 9 | 32 | SPO | HPRF | 20 | 7.596 | 8.374 | 7.985 | 778.00 | 500 | P |
| 2 | 9 | 32 | SP1 | HPRF | 20 | 7.598 | 8.377 | 7.988 | 779.00 | 500 | P |
| 2 | 9 | 32 | SP3 | HPRF | 20 | 7.299 | 8.079 | 7.689 | 780.00 | 500 | P |

Table 7-3. UWB 10dB Bandwidth Summary [Channel 9]

| FCC ID: A3LSMG996U | 旆 PCTEST | MEASUREMENT REPORT (CERTIFICATION) | SIMSUNE | Approved by: <br> Quality Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 1M2009140143-29.A3L | Test Dates: <br> 09/15-11/10/2020 | EUT Type: <br> Portable Handset |  | Page 49 of 120 |

