



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 481.012500 MHz    Center Freq: 481.012500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg/Hold: &gt;10/10</p> <p>#IF Gain: Low    #Atten: 18 dB    Radio Device: BTS</p> <p>10 dB/div    Ref 33.76 dBm</p> <p>Center 481 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    36.7 dBm</p> <p>7.122 kHz</p> <p>Transmit Freq Error    54 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.500 kHz    x dB    -26.00 dB</p> <p>STATUS ↓ DC Coupled</p>
TX-DNL	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 511.987500 MHz    Center Freq: 511.987500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg/Hold: &gt;10/10</p> <p>#IF Gain: Low    #Atten: 18 dB    Radio Device: BTS</p> <p>10 dB/div    Ref 33.63 dBm</p> <p>Center 512 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    35.8 dBm</p> <p>7.168 kHz</p> <p>Transmit Freq Error    106 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.336 kHz    x dB    -26.00 dB</p> <p>STATUS ↓ DC Coupled</p>
TX-DNL	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 512.012500 MHz    Center Freq: 512.012500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg/Hold: &gt;10/10</p> <p>#IF Gain: Low    #Atten: 18 dB    Radio Device: BTS</p> <p>10 dB/div    Ref 33.96 dBm</p> <p>Center 512 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    35.7 dBm</p> <p>7.098 kHz</p> <p>Transmit Freq Error    69 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.510 kHz    x dB    -26.00 dB</p> <p>STATUS ↓ DC Coupled</p>



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TX-DNL	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 519.987500 MHz  Center Freq: 519.987500 MHz  Trig: Free Run Avg/Hold: &gt;10/10  Radio Std: None  #IF Gain: Low #Atten: 18 dB Radio Device: BTS</p> <p>10 dB/div Ref 33.66 dBm  Center 520 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.040 kHz Total Power 35.9 dBm  Transmit Freq Error 131 Hz OBW Power 99.00 %  x dB Bandwidth 9.452 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 450.012500 MHz  Center Freq: 450.012500 MHz  Trig: Free Run Avg/Hold: &gt;10/10  Radio Std: None  #IF Gain: Low #Atten: 24 dB Radio Device: BTS</p> <p>10 dB/div Ref 39.55 dBm  Center 450 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 9.887 kHz Total Power 35.7 dBm  Transmit Freq Error 104 Hz OBW Power 99.00 %  x dB Bandwidth 10.14 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 481.012500 MHz  Center Freq: 481.012500 MHz  Trig: Free Run Avg/Hold: &gt;10/10  Radio Std: None  #IF Gain: Low #Atten: 24 dB Radio Device: BTS</p> <p>10 dB/div Ref 39.68 dBm  Center 481 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 9.885 kHz Total Power 35.8 dBm  Transmit Freq Error 108 Hz OBW Power 99.00 %  x dB Bandwidth 10.14 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 511.987500 MHz</p> <p>Center Freq 511.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 39.67 dBm</p> <p>Center 512 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 9.851 kHz</p> <p>Total Power 36.1 dBm</p> <p>Transmit Freq Error 116 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.13 kHz</p> <p>x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 512.012500 MHz</p> <p>Center Freq: 512.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 39.57 dBm</p> <p>Center 512 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 9.896 kHz</p> <p>Total Power 35.7 dBm</p> <p>Transmit Freq Error 115 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.13 kHz</p> <p>x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 519.987500 MHz</p> <p>Center Freq: 519.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold&gt;10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 39.74 dBm</p> <p>Center 520 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 9.907 kHz</p> <p>Total Power 36.4 dBm</p> <p>Transmit Freq Error 125 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.14 kHz</p> <p>x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 450.012500 MHz Center Freq: 450.012500 MHz Radio Std: None  Trig: Free Run Avg/Hold: &gt;10/10  #IF Gain: Low #Atten: 18 dB Radio Device: BTS</p> <p>10 dB/div Ref 33.90 dBm  Center 450 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 9.886 kHz Total Power 29.9 dBm  Transmit Freq Error 110 Hz OBW Power 99.00 %  x dB Bandwidth 10.14 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANL	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 481.012500 MHz Center Freq: 481.012500 MHz Radio Std: None  Trig: Free Run Avg/Hold: &gt;10/10  #IF Gain: Low #Atten: 18 dB Radio Device: BTS</p> <p>10 dB/div Ref 33.60 dBm  Center 481 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 9.887 kHz Total Power 29.7 dBm  Transmit Freq Error 110 Hz OBW Power 99.00 %  x dB Bandwidth 10.14 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANL	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Occupied BW  Center Freq 511.987500 MHz Center Freq: 511.987500 MHz Radio Std: None  Trig: Free Run Avg/Hold: &gt;10/10  #IF Gain: Low #Atten: 18 dB Radio Device: BTS</p> <p>10 dB/div Ref 32.98 dBm  Center 512 MHz Span 50 kHz  #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 9.857 kHz Total Power 29.4 dBm  Transmit Freq Error 118 Hz OBW Power 99.00 %  x dB Bandwidth 10.13 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 512.012500 MHz    Center Freq: 512.012500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg/Hold: &gt;10/10</p> <p>#IF Gain: Low    #Atten: 18 dB    Radio Device: BTS</p> <p>10 dB/div    Ref 32.99 dBm</p> <p>Center 512 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    29.6 dBm</p> <p><b>9.905 kHz</b></p> <p>Transmit Freq Error    125 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    10.14 kHz    x dB    -26.00 dB</p> <p>STATUS    DC Coupled</p>
TX-ANL	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 519.987500 MHz    Center Freq: 519.987500 MHz    Radio Std: None</p> <p>Trig: Free Run    Avg/Hold: &gt;10/10</p> <p>#IF Gain: Low    #Atten: 18 dB    Radio Device: BTS</p> <p>10 dB/div    Ref 32.80 dBm</p> <p>Center 520 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    29.4 dBm</p> <p><b>9.872 kHz</b></p> <p>Transmit Freq Error    119 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    10.13 kHz    x dB    -26.00 dB</p> <p>STATUS    DC Coupled</p>



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 450.012500 MHz</p> <p>Ref Offset 128 dB Ref 41.0 dBm</p> <p>Total Power Ref 36.40 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Upper ΔLim(dB)</th> <th>Peak (dBm)</th> <th>Peak (dB)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>12.83</td> <td>(-24.34)</td> <td>0.0</td> <td>36.31</td> <td>(-0.86)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.99</td> <td>(-3.82)</td> <td>-12.35 k</td> <td>-36.88</td> <td>(-4.43)</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-38.23</td> <td>(-18.23)</td> <td>-16.50 k</td> <td>-37.50</td> <td>(-17.50)</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Upper ΔLim(dB)	Peak (dBm)	Peak (dB)	0.0 Hz	5.625 kHz	100.0 Hz	12.83	(-24.34)	0.0	36.31	(-0.86)	5.625 kHz	12.50 kHz	100.0 Hz	-36.99	(-3.82)	-12.35 k	-36.88	(-4.43)	12.50 kHz	60.00 kHz	100.0 Hz	-38.23	(-18.23)	-16.50 k	-37.50	(-17.50)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)
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Appendix C:Emission Mask

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TX-DNL	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 450.012500 MHz</p> <p>Ref Offset 28 dB Ref 35.0 dBm</p> <p>Total Power Ref 34.43 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>20.96</td> <td>(-10.40)</td> <td>-150.0</td> <td>22.86</td> <td>(-8.50)</td> <td>650.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.59</td> <td>(-0.49)</td> <td>-12.50 k</td> <td>-40.26</td> <td>(-0.91)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.71</td> <td>(-20.71)</td> <td>-15.05 k</td> <td>-42.04</td> <td>(-22.04)</td> <td>14.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.96	(-10.40)	-150.0	22.86	(-8.50)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.59	(-0.49)	-12.50 k	-40.26	(-0.91)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.71	(-20.71)	-15.05 k	-42.04	(-22.04)	14.50 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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Appendix C:Emission Mask

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TX-DNL	4FSK	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 481.012500 MHz</p> <p>Ref Offset 27 dB Ref 35.0 dBm</p> <p>Total Power Ref 33.40 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>18.39</td> <td>(-12.74)</td> <td>-100.0</td> <td>21.85</td> <td>(-9.27)</td> <td>600.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.87</td> <td>(-1.55)</td> <td>-12.50 k</td> <td>-40.36</td> <td>(-0.05)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.86</td> <td>(-21.86)</td> <td>-12.60 k</td> <td>-41.40</td> <td>(-21.40)</td> <td>14.10 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	18.39	(-12.74)	-100.0	21.85	(-9.27)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.87	(-1.55)	-12.50 k	-40.36	(-0.05)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.86	(-21.86)	-12.60 k	-41.40	(-21.40)	14.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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Appendix C:Emission Mask

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TX-ANH	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer: Spectrum Emission Mask          Center Freq 450.012500 MHz          Ref Offset 128 dB          Ref 41.0 dBm          Total Power Ref 36.29 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>27.55</td> <td>(-9.51)</td> <td>-2.400 k</td> <td>34.84</td> <td>(-2.22)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.70</td> <td>(-2.05)</td> <td>-12.40 k</td> <td>-37.11</td> <td>(-3.47)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.36</td> <td>(-14.36)</td> <td>-12.90 k</td> <td>-34.98</td> <td>(-14.98)</td> <td>17.70 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.55	(-9.51)	-2.400 k	34.84	(-2.22)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.70	(-2.05)	-12.40 k	-37.11	(-3.47)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.36	(-14.36)	-12.90 k	-34.98	(-14.98)	17.70 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer: Spectrum Emission Mask          Center Freq 481.012500 MHz          Ref Offset 27 dB          Ref 41.0 dBm          Total Power Ref 35.64 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>26.92</td> <td>(-10.19)</td> <td>-2.400 k</td> <td>34.19</td> <td>(-2.92)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.58</td> <td>(-2.62)</td> <td>-12.45 k</td> <td>-37.72</td> <td>(-3.76)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.70</td> <td>(-14.70)</td> <td>-17.65 k</td> <td>-34.57</td> <td>(-14.57)</td> <td>12.95 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.92	(-10.19)	-2.400 k	34.19	(-2.92)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.58	(-2.62)	-12.45 k	-37.72	(-3.76)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.70	(-14.70)	-17.65 k	-34.57	(-14.57)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 511.987500 MHz</p> <p>Ref Offset 27 dB Ref 41.0 dBm</p> <p>Center 512 MHz Span 120 kHz</p> <p>Total Power Ref 36.04 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-5.263</td> <td>(-42.33)</td> <td>0.0</td> <td>35.76</td> <td>(-1.31)</td> <td>150.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.82</td> <td>(-7.54)</td> <td>-12.35 k</td> <td>-42.57</td> <td>(-8.20)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-38.08</td> <td>(-18.08)</td> <td>-14.60 k</td> <td>-37.76</td> <td>(-17.76)</td> <td>14.85 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-5.263	(-42.33)	0.0	35.76	(-1.31)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.82	(-7.54)	-12.35 k	-42.57	(-8.20)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.08	(-18.08)	-14.60 k	-37.76	(-17.76)	14.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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TX-ANH	FM	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 512.012500 MHz</p> <p>Ref Offset 27 dB Ref 41.0 dBm</p> <p>Center 512 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 36.42 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>27.22</td> <td>(-9.88)</td> <td>-2.350 k</td> <td>34.50</td> <td>(-2.60)</td> <td>150.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.78</td> <td>(-2.80)</td> <td>-12.45 k</td> <td>-35.85</td> <td>(-4.42)</td> <td>12.10 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.50</td> <td>(-15.50)</td> <td>-12.85 k</td> <td>-35.04</td> <td>(-15.04)</td> <td>13.90 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.22	(-9.88)	-2.350 k	34.50	(-2.60)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.78	(-2.80)	-12.45 k	-35.85	(-4.42)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.50	(-15.50)	-12.85 k	-35.04	(-15.04)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 519.987500 MHz</p> <p>Ref Offset 27 dB Ref 41.0 dBm</p> <p>Center 520 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 36.13 dBm/0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-14.38</td> <td>(-51.64)</td> <td>0.0</td> <td>35.97</td> <td>(-1.28)</td> <td>150.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.89</td> <td>(4.71)</td> <td>-12.50 k</td> <td>-39.97</td> <td>(6.15)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-37.42</td> <td>(-17.42)</td> <td>-16.20 k</td> <td>-37.46</td> <td>(-17.46)</td> <td>16.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-14.38	(-51.64)	0.0	35.97	(-1.28)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.89	(4.71)	-12.50 k	-39.97	(6.15)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.42	(-17.42)	-16.20 k	-37.46	(-17.46)	16.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 450.012500 MHz</p> <p>Ref Offset 128 dB Ref 35.0 dBm</p> <p>Total Power Ref 31.11 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-3.483</td> <td>(-34.82)</td> <td>0.0</td> <td>30.51</td> <td>(-0.85)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.10</td> <td>(-5.02)</td> <td>-12.50 k</td> <td>-42.69</td> <td>(-6.25)</td> <td>12.00 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-44.32</td> <td>(-24.32)</td> <td>-21.00 k</td> <td>-43.86</td> <td>(-23.86)</td> <td>14.35 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-3.483	(-34.82)	0.0	30.51	(-0.85)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.10	(-5.02)	-12.50 k	-42.69	(-6.25)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.32	(-24.32)	-21.00 k	-43.86	(-23.86)	14.35 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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TX-ANL	FM	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 450.012500 MHz</p> <p>Ref Offset 28 dB Ref 35.0 dBm</p> <p>Total Power Ref 30.60 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.82</td> <td>(-9.54)</td> <td>-2.400 k</td> <td>29.13</td> <td>(-2.23)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.83</td> <td>(-2.57)</td> <td>-12.49 k</td> <td>-40.79</td> <td>(-0.70)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.49</td> <td>(-21.49)</td> <td>-13.35 k</td> <td>-40.82</td> <td>(-20.82)</td> <td>16.35 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.82	(-9.54)	-2.400 k	29.13	(-2.23)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.83	(-2.57)	-12.49 k	-40.79	(-0.70)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.49	(-21.49)	-13.35 k	-40.82	(-20.82)	16.35 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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TX-ANL	FM	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 481.012500 MHz</p> <p>Ref Offset 127 dB Ref 35.0 dBm</p> <p>Total Power Ref 30.33 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-4.195</td> <td>(-35.36)</td> <td>0.0</td> <td>29.74</td> <td>(-1.43)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.73</td> <td>(-4.82)</td> <td>-12.45 k</td> <td>-42.66</td> <td>(-5.30)</td> <td>12.10 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.15</td> <td>(-22.15)</td> <td>-15.65 k</td> <td>-41.41</td> <td>(-21.41)</td> <td>15.90 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-4.195	(-35.36)	0.0	29.74	(-1.43)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.73	(-4.82)	-12.45 k	-42.66	(-5.30)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.15	(-22.15)	-15.65 k	-41.41	(-21.41)	15.90 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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