



Appendix B:Occupied Bandwidth For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: 10/10</p> <p>#IF Gain: Low #Atten: 24 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.19 dBm</p> <p>Center: 438 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.597 kHz Total Power 42.9 dBm</p> <p>Transmit Freq Error 47 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.962 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNH	4FSK	CH <sub>H1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: 10/10</p> <p>#IF Gain: Low #Atten: 24 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.52 dBm</p> <p>Center: 470 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.764 kHz Total Power 43.1 dBm</p> <p>Transmit Freq Error 106 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.646 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNL	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: 10/10</p> <p>#IF Gain: Low #Atten: 18 dB Radio Device: BTS</p> <p>10 dB/div Ref 34.53 dBm</p> <p>Center: 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.710 kHz Total Power 37.0 dBm</p> <p>Transmit Freq Error 69 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.639 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



Appendix B:Occupied Bandwidth For UHF Band

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 405.987500 MHz    Center Freq: 405.987500 MHz    Radio Std: None</p> <p>Trig: Free Run    AvgHld: &gt;10/10    Radio Device: BTS</p> <p>#IFGain:Low    #Atten: 20 dB</p> <p>10 dB/div    Ref 35.10 dBm</p> <p>Center 406 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    37.3 dBm</p> <p>7.271 kHz</p> <p>Transmit Freq Error    -108 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.155 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 406.112500 MHz    Center Freq: 406.112500 MHz    Radio Std: None</p> <p>Trig: Free Run    AvgHld: &gt;10/10    Radio Device: BTS</p> <p>#IFGain:Low    #Atten: 18 dB</p> <p>10 dB/div    Ref 35.00 dBm</p> <p>Center 406.1 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    37.1 dBm</p> <p>7.222 kHz</p> <p>Transmit Freq Error    74 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.585 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 438.012500 MHz    Center Freq: 438.012500 MHz    Radio Std: None</p> <p>Trig: Free Run    AvgHld: &gt;10/10    Radio Device: BTS</p> <p>#IFGain:Low    #Atten: 18 dB</p> <p>10 dB/div    Ref 34.97 dBm</p> <p>Center 438 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    37.3 dBm</p> <p>7.818 kHz</p> <p>Transmit Freq Error    -62 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.794 kHz    x dB    -26.00 dB</p> <p>STATUS DC Coupled</p>



Appendix B:Occupied Bandwidth For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH <sub>H1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.987500 MHz    Center Freq: 469.987500 MHz    Radio Std: None    Frequency</p> <p>Trig: Free Run    AvgHeld: 10/10    Radio Device: BTS</p> <p>Ref 35.48 dBm</p> <p>Center 470 MHz    Span 50 kHz</p> <p>#Res BW 100 Hz    #VBW 300 Hz    Sweep FFT</p> <p>Occupied Bandwidth    Total Power    37.6 dBm</p> <p>7.668 kHz</p> <p>Transmit Freq Error    -14 Hz    OBW Power    99.00 %</p> <p>x dB Bandwidth    9.717 kHz    x dB    -26.00 dB</p> <p>STATUS    DC Coupled</p>



Appendix C:Emission Mask For VHF Band

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 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None</p> <p>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 31.0 dBm</p> <p>Center 136 MHz Span 120 kHz</p> <p>Total Power Ref 25.89 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>25.47</td> <td>(2.00)</td> <td>0.0</td> <td>25.97</td> <td>(-1.50)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-48.42</td> <td>(-4.45)</td> <td>-12.50 k</td> <td>-51.15</td> <td>(-7.55)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-49.36</td> <td>(-29.36)</td> <td>-13.35 k</td> <td>-49.34</td> <td>(-29.34)</td> <td>13.45 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	25.47	(2.00)	0.0	25.97	(-1.50)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-48.42	(-4.45)	-12.50 k	-51.15	(-7.55)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-49.36	(-29.36)	-13.35 k	-49.34	(-29.34)	13.45 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	—	(—)	—	—	(—)	—
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	25.47	(2.00)	0.0	25.97	(-1.50)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-48.42	(-4.45)	-12.50 k	-51.15	(-7.55)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-49.36	(-29.36)	-13.35 k	-49.34	(-29.34)	13.45 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Radio Std: None</p> <p>Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 31.0 dBm</p> <p>Center 136 MHz Span 120 kHz</p> <p>Total Power Ref 29.81 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>18.43</td> <td>(9.05)</td> <td>-50.00</td> <td>18.92</td> <td>(-8.55)</td> <td>7000.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-47.44</td> <td>(4.93)</td> <td>-12.30 k</td> <td>-47.89</td> <td>(-5.84)</td> <td>12.25 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-47.52</td> <td>(-27.52)</td> <td>-12.90 k</td> <td>-45.11</td> <td>(-25.11)</td> <td>13.10 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)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	18.43	(9.05)	-50.00	18.92	(-8.55)	7000.0	5.625 kHz	12.50 kHz	100.0 Hz	-47.44	(4.93)	-12.30 k	-47.89	(-5.84)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.52	(-27.52)	-12.90 k	-45.11	(-25.11)	13.10 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	—	(—)	—	—	(—)	—
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	18.43	(9.05)	-50.00	18.92	(-8.55)	7000.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-47.44	(4.93)	-12.30 k	-47.89	(-5.84)	12.25 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-47.52	(-27.52)	-12.90 k	-45.11	(-25.11)	13.10 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz Center Freq: 155.012500 MHz Radio Std: None</p> <p>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 32.0 dBm</p> <p>Center 155 MHz Span 120 kHz</p> <p>Total Power Ref 26.03 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>25.50</td> <td>(2.12)</td> <td>0.0</td> <td>26.11</td> <td>(-1.51)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-49.28</td> <td>(-5.47)</td> <td>-12.50 k</td> <td>-51.82</td> <td>(-8.37)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-46.80</td> <td>(-26.80)</td> <td>-13.15 k</td> <td>-46.19</td> <td>(-26.19)</td> <td>13.25 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	25.50	(2.12)	0.0	26.11	(-1.51)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-49.28	(-5.47)	-12.50 k	-51.82	(-8.37)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.80	(-26.80)	-13.15 k	-46.19	(-26.19)	13.25 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	—	(—)	—	—	(—)	—
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	25.50	(2.12)	0.0	26.11	(-1.51)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-49.28	(-5.47)	-12.50 k	-51.82	(-8.37)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-46.80	(-26.80)	-13.15 k	-46.19	(-26.19)	13.25 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	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																														
TX-DNH	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask          Center Freq 155.012500 MHz          Ref Offset 19 dB          Ref 32.0 dBm          Total Power Ref 29.70 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>19.04</td> <td>(-8.58)</td> <td>-700.0</td> <td>17.44</td> <td>(-10.18)</td> <td>500.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-48.55</td> <td>(-5.10)</td> <td>-12.45 k</td> <td>-47.54</td> <td>(-3.73)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-47.67</td> <td>(-27.67)</td> <td>-17.05 k</td> <td>-43.20</td> <td>(-23.20)</td> <td>12.65 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.04	(-8.58)	-700.0	17.44	(-10.18)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-48.55	(-5.10)	-12.45 k	-47.54	(-3.73)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.67	(-27.67)	-17.05 k	-43.20	(-23.20)	12.65 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	19.04	(-8.58)	-700.0	17.44	(-10.18)	500.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-48.55	(-5.10)	-12.45 k	-47.54	(-3.73)	12.50 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-47.67	(-27.67)	-17.05 k	-43.20	(-23.20)	12.65 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	—	(—)	—	—	(—)	—																																																									
TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask          Center Freq 173.987500 MHz          Ref Offset 19 dB          Ref 32.0 dBm          Total Power Ref 26.07 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>23.96</td> <td>(-3.64)</td> <td>0.0</td> <td>26.09</td> <td>(-1.51)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-52.86</td> <td>(9.75)</td> <td>-12.40 k</td> <td>-53.36</td> <td>(9.52)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-47.00</td> <td>(-27.00)</td> <td>-13.50 k</td> <td>-46.71</td> <td>(-26.71)</td> <td>13.65 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	23.96	(-3.64)	0.0	26.09	(-1.51)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-52.86	(9.75)	-12.40 k	-53.36	(9.52)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.00	(-27.00)	-13.50 k	-46.71	(-26.71)	13.65 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	23.96	(-3.64)	0.0	26.09	(-1.51)	50.00																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-52.86	(9.75)	-12.40 k	-53.36	(9.52)	12.50 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-47.00	(-27.00)	-13.50 k	-46.71	(-26.71)	13.65 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	—	(—)	—	—	(—)	—																																																									
TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask          Center Freq 173.987500 MHz          Ref Offset 19 dB          Ref 32.0 dBm          Total Power Ref 29.50 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>15.20</td> <td>(-12.40)</td> <td>-50.00</td> <td>19.42</td> <td>(-8.18)</td> <td>650.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-50.94</td> <td>(-8.20)</td> <td>-12.35 k</td> <td>-47.25</td> <td>(-4.14)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-47.17</td> <td>(-27.17)</td> <td>-14.50 k</td> <td>-45.41</td> <td>(-25.41)</td> <td>13.35 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	15.20	(-12.40)	-50.00	19.42	(-8.18)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-50.94	(-8.20)	-12.35 k	-47.25	(-4.14)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.17	(-27.17)	-14.50 k	-45.41	(-25.41)	13.35 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	15.20	(-12.40)	-50.00	19.42	(-8.18)	650.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-50.94	(-8.20)	-12.35 k	-47.25	(-4.14)	12.40 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-47.17	(-27.17)	-14.50 k	-45.41	(-25.41)	13.35 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	—	(—)	—	—	(—)	—																																																									



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>Ref Offset 19 dB Ref 20.0 dBm</p> <p>Total Power Ref 13.79 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>13.38</td> <td>(-2.13)</td> <td>0.0</td> <td>13.86</td> <td>(-1.65)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-57.71</td> <td>(-2.15)</td> <td>-12.45 k</td> <td>-58.26</td> <td>(-2.34)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-58.29</td> <td>(-38.29)</td> <td>-12.75 k</td> <td>-56.33</td> <td>(-36.33)</td> <td>13.00 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	13.38	(-2.13)	0.0	13.86	(-1.65)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-57.71	(-2.15)	-12.45 k	-58.26	(-2.34)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.29	(-38.29)	-12.75 k	-56.33	(-36.33)	13.00 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	-	(-)	-	-	(-)	-
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	13.38	(-2.13)	0.0	13.86	(-1.65)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-57.71	(-2.15)	-12.45 k	-58.26	(-2.34)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-58.29	(-38.29)	-12.75 k	-56.33	(-36.33)	13.00 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	-	(-)	-	-	(-)	-																																																										
TX-DNL	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>Ref Offset 19 dB Ref 20.0 dBm</p> <p>Total Power Ref 17.20 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>4.930</td> <td>(-10.58)</td> <td>-1.100 k</td> <td>6.702</td> <td>(-8.81)</td> <td>800.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-80.41</td> <td>(4.85)</td> <td>-12.45 k</td> <td>-58.88</td> <td>(0.74)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-57.86</td> <td>(-37.86)</td> <td>-17.55 k</td> <td>-58.55</td> <td>(-38.55)</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	4.930	(-10.58)	-1.100 k	6.702	(-8.81)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-80.41	(4.85)	-12.45 k	-58.88	(0.74)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-57.86	(-37.86)	-17.55 k	-58.55	(-38.55)	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	-	(-)	-	-	(-)	-
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	4.930	(-10.58)	-1.100 k	6.702	(-8.81)	800.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-80.41	(4.85)	-12.45 k	-58.88	(0.74)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-57.86	(-37.86)	-17.55 k	-58.55	(-38.55)	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	-	(-)	-	-	(-)	-																																																										
TX-DNL	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>Ref Offset 19 dB Ref 19.0 dBm</p> <p>Total Power Ref 13.38 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>12.89</td> <td>(-2.25)</td> <td>0.0</td> <td>13.46</td> <td>(-1.68)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-59.46</td> <td>(-8.62)</td> <td>-11.75 k</td> <td>-59.98</td> <td>(-8.41)</td> <td>11.85 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-52.23</td> <td>(-32.23)</td> <td>-30.30 k</td> <td>-51.78</td> <td>(-31.78)</td> <td>30.40 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	12.89	(-2.25)	0.0	13.46	(-1.68)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-59.46	(-8.62)	-11.75 k	-59.98	(-8.41)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-52.23	(-32.23)	-30.30 k	-51.78	(-31.78)	30.40 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	-	(-)	-	-	(-)	-
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	12.89	(-2.25)	0.0	13.46	(-1.68)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-59.46	(-8.62)	-11.75 k	-59.98	(-8.41)	11.85 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-52.23	(-32.23)	-30.30 k	-51.78	(-31.78)	30.40 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	-	(-)	-	-	(-)	-																																																										

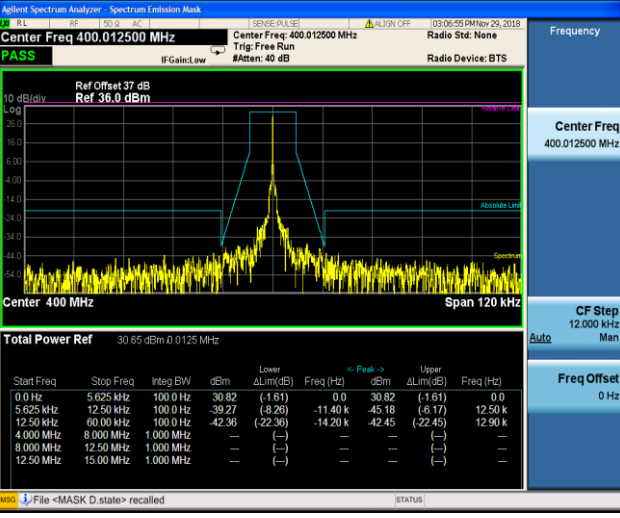
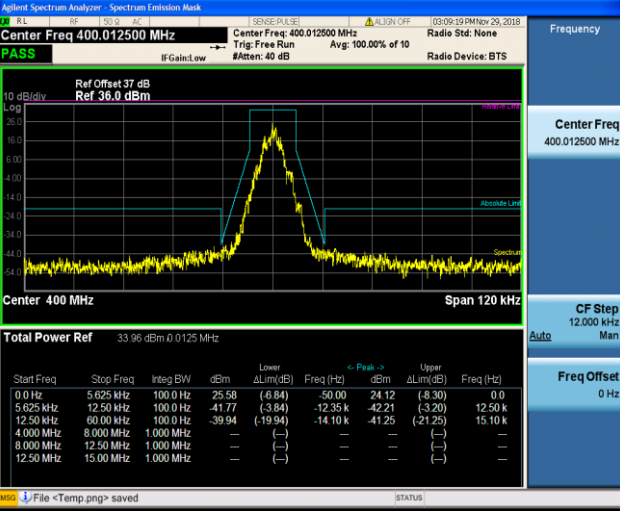
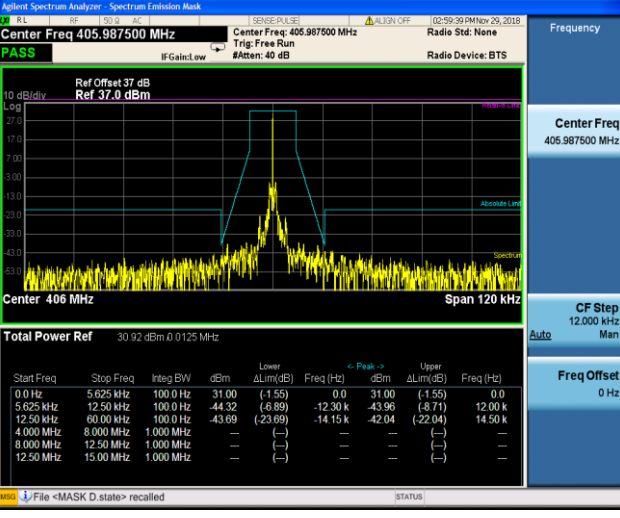


Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNL	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz Center Freq: 155.012500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 19.0 dBm</p> <p>Center 155 MHz Span 120 kHz</p> <p>Total Power Ref 16.71 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-3.995</td> <td>(-11.15)</td> <td>-50.00</td> <td>5.058</td> <td>(-10.08) 150.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-61.60</td> <td>(-5.31)</td> <td>-12.50 k</td> <td>-62.07</td> <td>(-6.14) 12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-58.60</td> <td>(-38.60)</td> <td>-29.55 k</td> <td>-59.00</td> <td>(-39.00) 12.60 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> </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> <p>File &lt;Temp.png&gt; saved</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-3.995	(-11.15)	-50.00	5.058	(-10.08) 150.0	5.625 kHz	12.50 kHz	100.0 Hz	-61.60	(-5.31)	-12.50 k	-62.07	(-6.14) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.60	(-38.60)	-29.55 k	-59.00	(-39.00) 12.60 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	-	(-)	-	-	(-)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	-3.995	(-11.15)	-50.00	5.058	(-10.08) 150.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-61.60	(-5.31)	-12.50 k	-62.07	(-6.14) 12.45 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-58.60	(-38.60)	-29.55 k	-59.00	(-39.00) 12.60 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	-	(-)	-	-	(-)																																																				
TX-DNL	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 19.0 dBm</p> <p>Center 174 MHz Span 120 kHz</p> <p>Total Power Ref 13.74 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>11.54</td> <td>(3.83)</td> <td>0.0</td> <td>13.80</td> <td>(1.57) 50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-64.33</td> <td>(-10.88)</td> <td>-12.25 k</td> <td>-60.97</td> <td>(-9.26) 11.90 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-57.92</td> <td>(-37.92)</td> <td>-30.15 k</td> <td>-59.19</td> <td>(-39.19) 12.65 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> </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> <p>File &lt;MASK D.state&gt; recalled</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	11.54	(3.83)	0.0	13.80	(1.57) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-64.33	(-10.88)	-12.25 k	-60.97	(-9.26) 11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-57.92	(-37.92)	-30.15 k	-59.19	(-39.19) 12.65 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	-	(-)	-	-	(-)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	11.54	(3.83)	0.0	13.80	(1.57) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-64.33	(-10.88)	-12.25 k	-60.97	(-9.26) 11.90 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-57.92	(-37.92)	-30.15 k	-59.19	(-39.19) 12.65 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	-	(-)	-	-	(-)																																																				
TX-DNL	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 19 dB Ref 19.0 dBm</p> <p>Center 174 MHz Span 120 kHz</p> <p>Total Power Ref 17.02 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>4.889</td> <td>(-10.48)</td> <td>0.0</td> <td>7.000</td> <td>(-8.37) 700.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-59.94</td> <td>(-3.87)</td> <td>-12.50 k</td> <td>-58.82</td> <td>(-3.48) 12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-58.59</td> <td>(-38.59)</td> <td>-14.05 k</td> <td>-56.97</td> <td>(-36.97) 14.80 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> </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> <p>File &lt;Temp.png&gt; saved</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	4.889	(-10.48)	0.0	7.000	(-8.37) 700.0	5.625 kHz	12.50 kHz	100.0 Hz	-59.94	(-3.87)	-12.50 k	-58.82	(-3.48) 12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.59	(-38.59)	-14.05 k	-56.97	(-36.97) 14.80 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	-	(-)	-	-	(-)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	4.889	(-10.48)	0.0	7.000	(-8.37) 700.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-59.94	(-3.87)	-12.50 k	-58.82	(-3.48) 12.40 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-58.59	(-38.59)	-14.05 k	-56.97	(-36.97) 14.80 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	-	(-)	-	-	(-)																																																				



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH <sub>L1</sub>	 <table border="1" data-bbox="603 683 1125 824"> <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>30.82</td> <td>(-1.61)</td> <td>0.0</td> <td>30.82</td> <td>(-1.61)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.27</td> <td>(-8.26)</td> <td>-11.40 k</td> <td>-45.18</td> <td>(-6.17)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.36</td> <td>(-22.36)</td> <td>-14.20 k</td> <td>-42.45</td> <td>(-22.45)</td> <td>12.90 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	30.82	(-1.61)	0.0	30.82	(-1.61)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.27	(-8.26)	-11.40 k	-45.18	(-6.17)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.36	(-22.36)	-14.20 k	-42.45	(-22.45)	12.90 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	—	(—)	—	—	(—)	—
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	30.82	(-1.61)	0.0	30.82	(-1.61)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-39.27	(-8.26)	-11.40 k	-45.18	(-6.17)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-42.36	(-22.36)	-14.20 k	-42.45	(-22.45)	12.90 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH <sub>L1</sub>	 <table border="1" data-bbox="603 1252 1125 1393"> <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>25.58</td> <td>(6.84)</td> <td>-50.00</td> <td>24.12</td> <td>(-8.30)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.77</td> <td>(3.84)</td> <td>-12.35 k</td> <td>-42.21</td> <td>(3.20)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.94</td> <td>(19.94)</td> <td>-14.10 k</td> <td>-41.25</td> <td>(-21.25)</td> <td>15.10 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)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.58	(6.84)	-50.00	24.12	(-8.30)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.77	(3.84)	-12.35 k	-42.21	(3.20)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.94	(19.94)	-14.10 k	-41.25	(-21.25)	15.10 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	—	(—)	—	—	(—)	—
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	25.58	(6.84)	-50.00	24.12	(-8.30)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-41.77	(3.84)	-12.35 k	-42.21	(3.20)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-39.94	(19.94)	-14.10 k	-41.25	(-21.25)	15.10 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH <sub>M1</sub>	 <table border="1" data-bbox="603 1821 1125 1962"> <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>31.00</td> <td>(-1.55)</td> <td>0.0</td> <td>31.00</td> <td>(-1.55)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.32</td> <td>(-6.89)</td> <td>-12.30 k</td> <td>-43.96</td> <td>(-8.71)</td> <td>12.00 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.69</td> <td>(-23.69)</td> <td>-14.15 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)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.00	(-1.55)	0.0	31.00	(-1.55)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.32	(-6.89)	-12.30 k	-43.96	(-8.71)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.69	(-23.69)	-14.15 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	—	(—)	—	—	(—)	—
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	31.00	(-1.55)	0.0	31.00	(-1.55)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.32	(-6.89)	-12.30 k	-43.96	(-8.71)	12.00 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-43.69	(-23.69)	-14.15 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	—	(—)	—	—	(—)	—																																																										





Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz    Center Freq: 405.987500 MHz    Radio Std: None</p> <p>Trig: Free Run    #Atten: 40 dB    Avg: 100.00% of 10    Radio Device: BTS</p> <p>Ref Offset: 37 dB    Ref: 37.0 dBm</p> <p>Center 406 MHz    Span 120 kHz</p> <p>Total Power Ref 34.21 dBm @ 0.125 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>22.68</td> <td>(-9.87)</td> <td>-150.0</td> <td>25.91</td> <td>(-6.65) 550.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.41</td> <td>(-5.53)</td> <td>-12.50 k</td> <td>-43.73</td> <td>(-5.21) 12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.24</td> <td>(-21.24)</td> <td>-13.45 k</td> <td>-39.21</td> <td>(-19.21) 13.25 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> </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> <p>File &lt;Temp.png&gt; saved</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.68	(-9.87)	-150.0	25.91	(-6.65) 550.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.41	(-5.53)	-12.50 k	-43.73	(-5.21) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.24	(-21.24)	-13.45 k	-39.21	(-19.21) 13.25 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	—	(—)	—	—	(—)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	22.68	(-9.87)	-150.0	25.91	(-6.65) 550.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-44.41	(-5.53)	-12.50 k	-43.73	(-5.21) 12.45 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-41.24	(-21.24)	-13.45 k	-39.21	(-19.21) 13.25 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	—	(—)	—	—	(—)																																																				
TX-DNH	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz    Center Freq: 406.112500 MHz    Radio Std: None</p> <p>Trig: Free Run    #Atten: 40 dB    Avg: 100.00% of 10    Radio Device: BTS</p> <p>Ref Offset: 37 dB    Ref: 36.0 dBm</p> <p>Center 406.1 MHz    Span 120 kHz</p> <p>Total Power Ref 30.80 dBm @ 0.125 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.88</td> <td>(-1.59)</td> <td>0.0</td> <td>30.88</td> <td>(-1.59) 0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-46.71</td> <td>(8.83)</td> <td>-12.35 k</td> <td>-46.28</td> <td>(8.04) 12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.42</td> <td>(-21.42)</td> <td>-14.25 k</td> <td>-42.95</td> <td>(-22.95) 14.25 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> </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> <p>File &lt;MASK D.state&gt; recalled</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.88	(-1.59)	0.0	30.88	(-1.59) 0.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.71	(8.83)	-12.35 k	-46.28	(8.04) 12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.42	(-21.42)	-14.25 k	-42.95	(-22.95) 14.25 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	—	(—)	—	—	(—)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	30.88	(-1.59)	0.0	30.88	(-1.59) 0.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-46.71	(8.83)	-12.35 k	-46.28	(8.04) 12.40 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-41.42	(-21.42)	-14.25 k	-42.95	(-22.95) 14.25 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	—	(—)	—	—	(—)																																																				
TX-DNH	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz    Center Freq: 406.112500 MHz    Radio Std: None</p> <p>Trig: Free Run    #Atten: 40 dB    Avg: 100.00% of 10    Radio Device: BTS</p> <p>Ref Offset: 37 dB    Ref: 36.0 dBm</p> <p>Center 406.1 MHz    Span 120 kHz</p> <p>Total Power Ref 34.70 dBm @ 0.125 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>23.38</td> <td>(-9.09)</td> <td>-500.0</td> <td>23.19</td> <td>(-9.28) 0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.51</td> <td>(-5.54)</td> <td>-12.50 k</td> <td>-40.65</td> <td>(-3.13) 12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.26</td> <td>(-20.26)</td> <td>-14.65 k</td> <td>-40.93</td> <td>(-20.93) 13.55 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> </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> <p>File &lt;Temp.png&gt; saved</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	23.38	(-9.09)	-500.0	23.19	(-9.28) 0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.51	(-5.54)	-12.50 k	-40.65	(-3.13) 12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.26	(-20.26)	-14.65 k	-40.93	(-20.93) 13.55 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	—	(—)	—	—	(—)
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	23.38	(-9.09)	-500.0	23.19	(-9.28) 0.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-44.51	(-5.54)	-12.50 k	-40.65	(-3.13) 12.30 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-40.26	(-20.26)	-14.65 k	-40.93	(-20.93) 13.55 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	—	(—)	—	—	(—)																																																				



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 38 dB, Ref 34.0 dBm</p> <p>Total Power Ref: 28.57 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>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>28.66</td> <td>(-1.05)</td> <td>0.0</td> <td>28.66</td> <td>(-1.05)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.13</td> <td>(-0.49)</td> <td>-12.35 k</td> <td>-40.99</td> <td>(-0.72)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.60</td> <td>(-23.60)</td> <td>-15.40 k</td> <td>-43.30</td> <td>(-23.30)</td> <td>14.25 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)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.66	(-1.05)	0.0	28.66	(-1.05)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.13	(-0.49)	-12.35 k	-40.99	(-0.72)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.60	(-23.60)	-15.40 k	-43.30	(-23.30)	14.25 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	-	(-)	-	-	(-)	-
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	28.66	(-1.05)	0.0	28.66	(-1.05)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-41.13	(-0.49)	-12.35 k	-40.99	(-0.72)	12.40 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-43.60	(-23.60)	-15.40 k	-43.30	(-23.30)	14.25 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	-	(-)	-	-	(-)	-																																																										
TX-DNH	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 38 dB, Ref 34.0 dBm</p> <p>Total Power Ref: 31.90 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>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>19.96</td> <td>(9.76)</td> <td>0.0</td> <td>25.00</td> <td>(4.71)</td> <td>450.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.87</td> <td>(3.84)</td> <td>-12.50 k</td> <td>-44.04</td> <td>(3.77)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.54</td> <td>(22.54)</td> <td>-17.10 k</td> <td>-42.29</td> <td>(22.29)</td> <td>16.90 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)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.96	(9.76)	0.0	25.00	(4.71)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.87	(3.84)	-12.50 k	-44.04	(3.77)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.54	(22.54)	-17.10 k	-42.29	(22.29)	16.90 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	-	(-)	-	-	(-)	-
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	19.96	(9.76)	0.0	25.00	(4.71)	450.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-45.87	(3.84)	-12.50 k	-44.04	(3.77)	12.30 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-42.54	(22.54)	-17.10 k	-42.29	(22.29)	16.90 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	-	(-)	-	-	(-)	-																																																										
TX-DNH	4FSK	CH <sub>H1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>Ref Offset 37 dB, Ref 36.0 dBm</p> <p>Total Power Ref: 29.60 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>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.69</td> <td>(-1.90)</td> <td>-300.0</td> <td>-9.024</td> <td>(-40.62)</td> <td>150.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.94</td> <td>(-6.10)</td> <td>-12.50 k</td> <td>-44.32</td> <td>(-4.48)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.06</td> <td>(-23.06)</td> <td>-13.75 k</td> <td>-43.43</td> <td>(-23.43)</td> <td>18.15 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)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.69	(-1.90)	-300.0	-9.024	(-40.62)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.94	(-6.10)	-12.50 k	-44.32	(-4.48)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.06	(-23.06)	-13.75 k	-43.43	(-23.43)	18.15 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	-	(-)	-	-	(-)	-
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	29.69	(-1.90)	-300.0	-9.024	(-40.62)	150.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-45.94	(-6.10)	-12.50 k	-44.32	(-4.48)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-43.06	(-23.06)	-13.75 k	-43.43	(-23.43)	18.15 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	-	(-)	-	-	(-)	-																																																										



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																														
TX-DNH	4FSK	CH <sub>H1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Att: 40 dB Radio Device: BTS</p> <p>Ref Offset 37 dB      Ref 36.0 dBm</p> <p>Center 470 MHz Span 120 kHz</p> <p>Total Power Ref 33.08 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>20.58</td> <td>(-11.02)</td> <td>-750.0</td> <td>20.96</td> <td>(-10.63)</td> <td>850.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.16</td> <td>(-4.50)</td> <td>-12.20 k</td> <td>-42.90</td> <td>(-3.79)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.10</td> <td>(-21.10)</td> <td>-13.80 k</td> <td>-41.39</td> <td>(-21.39)</td> <td>12.85 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.58	(-11.02)	-750.0	20.96	(-10.63)	850.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.16	(-4.50)	-12.20 k	-42.90	(-3.79)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.10	(-21.10)	-13.80 k	-41.39	(-21.39)	12.85 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	20.58	(-11.02)	-750.0	20.96	(-10.63)	850.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-42.16	(-4.50)	-12.20 k	-42.90	(-3.79)	12.40 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-41.10	(-21.10)	-13.80 k	-41.39	(-21.39)	12.85 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	—	(—)	—	—	(—)	—																																																									
TX-DNL	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Att: 40 dB Radio Device: BTS</p> <p>Ref Offset 37 dB      Ref 35.0 dBm</p> <p>Center 400 MHz Span 120 kHz</p> <p>Total Power Ref 29.54 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.63</td> <td>(-1.66)</td> <td>0.0</td> <td>29.63</td> <td>(-1.66)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.81</td> <td>(-5.31)</td> <td>-12.15 k</td> <td>-40.80</td> <td>(-2.89)</td> <td>12.15 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.22</td> <td>(-23.22)</td> <td>-14.75 k</td> <td>-42.48</td> <td>(-22.48)</td> <td>13.30 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.63	(-1.66)	0.0	29.63	(-1.66)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.81	(-5.31)	-12.15 k	-40.80	(-2.89)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.22	(-23.22)	-14.75 k	-42.48	(-22.48)	13.30 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	29.63	(-1.66)	0.0	29.63	(-1.66)	0.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-42.81	(-5.31)	-12.15 k	-40.80	(-2.89)	12.15 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-43.22	(-23.22)	-14.75 k	-42.48	(-22.48)	13.30 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	—	(—)	—	—	(—)	—																																																									
TX-DNL	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None      Trig: Free Run Avg: 100.00% of 10      #Att: 40 dB Radio Device: BTS</p> <p>Ref Offset 37 dB      Ref 35.0 dBm</p> <p>Center 400 MHz Span 120 kHz</p> <p>Total Power Ref 32.67 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.45</td> <td>(-9.83)</td> <td>-200.0</td> <td>23.47</td> <td>(-7.82)</td> <td>450.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.07</td> <td>(-1.92)</td> <td>-12.50 k</td> <td>-44.09</td> <td>(-3.94)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.64</td> <td>(-21.64)</td> <td>-13.05 k</td> <td>-40.56</td> <td>(-20.56)</td> <td>12.85 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)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.45	(-9.83)	-200.0	23.47	(-7.82)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.07	(-1.92)	-12.50 k	-44.09	(-3.94)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.64	(-21.64)	-13.05 k	-40.56	(-20.56)	12.85 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	21.45	(-9.83)	-200.0	23.47	(-7.82)	450.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	-42.07	(-1.92)	-12.50 k	-44.09	(-3.94)	12.50 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-41.64	(-21.64)	-13.05 k	-40.56	(-20.56)	12.85 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	—	(—)	—	—	(—)	—																																																									



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None      Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset: 37 dB Ref: 35.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 28.81 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>28.88</td> <td>(-1.66)</td> <td>0.0</td> <td>28.88</td> <td>(-1.66)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.33</td> <td>(-5.98)</td> <td>-12.15 k</td> <td>-45.40</td> <td>(-5.59)</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.95</td> <td>(-22.95)</td> <td>-15.00 k</td> <td>-43.41</td> <td>(-23.41)</td> <td>19.05 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	28.88	(-1.66)	0.0	28.88	(-1.66)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.33	(-5.98)	-12.15 k	-45.40	(-5.59)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.95	(-22.95)	-15.00 k	-43.41	(-23.41)	19.05 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	—	(—)	—	—	(—)	—
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	28.88	(-1.66)	0.0	28.88	(-1.66)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.33	(-5.98)	-12.15 k	-45.40	(-5.59)	12.35 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-42.95	(-22.95)	-15.00 k	-43.41	(-23.41)	19.05 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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH <sub>M1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None      Trig: Free Run #Atten: 40 dB Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset: 37 dB Ref: 35.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 32.58 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>20.91</td> <td>(9.62)</td> <td>-150.0</td> <td>22.16</td> <td>(8.38)</td> <td>550.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.22</td> <td>(3.32)</td> <td>-12.50 k</td> <td>-44.47</td> <td>(3.57)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.29</td> <td>(-21.29)</td> <td>-13.25 k</td> <td>-41.85</td> <td>(-21.85)</td> <td>13.40 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	20.91	(9.62)	-150.0	22.16	(8.38)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.22	(3.32)	-12.50 k	-44.47	(3.57)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.29	(-21.29)	-13.25 k	-41.85	(-21.85)	13.40 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	—	(—)	—	—	(—)	—
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	20.91	(9.62)	-150.0	22.16	(8.38)	550.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.22	(3.32)	-12.50 k	-44.47	(3.57)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.29	(-21.29)	-13.25 k	-41.85	(-21.85)	13.40 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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None      Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset: 37 dB Ref: 34.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 28.67 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>28.72</td> <td>(-1.73)</td> <td>0.0</td> <td>28.89</td> <td>(-1.56)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-44.40</td> <td>(-5.96)</td> <td>-12.15 k</td> <td>-46.09</td> <td>(-7.28)</td> <td>12.20 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.05</td> <td>(-23.05)</td> <td>-12.90 k</td> <td>-43.02</td> <td>(-23.02)</td> <td>15.50 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)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.72	(-1.73)	0.0	28.89	(-1.56)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-44.40	(-5.96)	-12.15 k	-46.09	(-7.28)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.05	(-23.05)	-12.90 k	-43.02	(-23.02)	15.50 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	—	(—)	—	—	(—)	—
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	28.72	(-1.73)	0.0	28.89	(-1.56)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.40	(-5.96)	-12.15 k	-46.09	(-7.28)	12.20 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-43.05	(-23.05)	-12.90 k	-43.02	(-23.02)	15.50 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	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run Avg: 100.00% of 10</p> <p>#Gain: Low #Atten: 40 dB</p> <p>Ref Offset: 37 dB Ref: 34.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 33.97 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>20.07</td> <td>(-10.38)</td> <td>-700.0</td> <td>26.60</td> <td>(-3.86)</td> <td>550.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.18</td> <td>(-2.37)</td> <td>-11.65 k</td> <td>-41.09</td> <td>(-0.11)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.57</td> <td>(-21.57)</td> <td>-16.45 k</td> <td>-40.87</td> <td>(-20.87)</td> <td>14.75 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	20.07	(-10.38)	-700.0	26.60	(-3.86)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.18	(-2.37)	-11.65 k	-41.09	(-0.11)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.57	(-21.57)	-16.45 k	-40.87	(-20.87)	14.75 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	—	(—)	—	—	(—)	—
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	20.07	(-10.38)	-700.0	26.60	(-3.86)	550.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-37.18	(-2.37)	-11.65 k	-41.09	(-0.11)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.57	(-21.57)	-16.45 k	-40.87	(-20.87)	14.75 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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg: 100.00% of 10</p> <p>#Gain: Low #Atten: 40 dB</p> <p>Ref Offset: 38 dB Ref: 28.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 22.11 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>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>22.29</td> <td>(-1.25)</td> <td>0.0</td> <td>22.29</td> <td>(-1.25)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-49.73</td> <td>(-3.88)</td> <td>-12.25 k</td> <td>-51.90</td> <td>(-6.19)</td> <td>12.25 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-46.45</td> <td>(-26.45)</td> <td>-17.10 k</td> <td>-46.36</td> <td>(-26.36)</td> <td>34.45 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	22.29	(-1.25)	0.0	22.29	(-1.25)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-49.73	(-3.88)	-12.25 k	-51.90	(-6.19)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.45	(-26.45)	-17.10 k	-46.36	(-26.36)	34.45 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	—	(—)	—	—	(—)	—
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	22.29	(-1.25)	0.0	22.29	(-1.25)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-49.73	(-3.88)	-12.25 k	-51.90	(-6.19)	12.25 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-46.45	(-26.45)	-17.10 k	-46.36	(-26.36)	34.45 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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg: 100.00% of 10</p> <p>#Gain: Low #Atten: 40 dB</p> <p>Ref Offset: 38 dB Ref: 28.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 25.51 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>13.49</td> <td>(-10.06)</td> <td>0.0</td> <td>14.62</td> <td>(-8.93)</td> <td>450.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-48.96</td> <td>(-1.07)</td> <td>-12.50 k</td> <td>-48.11</td> <td>(-0.22)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-45.89</td> <td>(-25.89)</td> <td>-12.60 k</td> <td>-44.75</td> <td>(-24.75)</td> <td>23.20 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	13.49	(-10.06)	0.0	14.62	(-8.93)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-48.96	(-1.07)	-12.50 k	-48.11	(-0.22)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.89	(-25.89)	-12.60 k	-44.75	(-24.75)	23.20 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	—	(—)	—	—	(—)	—
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	13.49	(-10.06)	0.0	14.62	(-8.93)	450.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-48.96	(-1.07)	-12.50 k	-48.11	(-0.22)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-45.89	(-25.89)	-12.60 k	-44.75	(-24.75)	23.20 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	—	(—)	—	—	(—)	—																																																										