



Appendix B:Occupied Bandwidth for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Ref 40.22 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth 7.254 kHz</p> <p>Total Power 42.5 dBm</p> <p>Transmit Freq Error 154 Hz</p> <p>x dB Bandwidth 9.761 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Status DC Coupled</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Ref 40.36 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth 7.435 kHz</p> <p>Total Power 42.9 dBm</p> <p>Transmit Freq Error -20 Hz</p> <p>x dB Bandwidth 9.619 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Status DC Coupled</p>
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Ref 40.32 dBm</p> <p>10 dB/div Log</p> <p>Occupied Bandwidth 7.366 kHz</p> <p>Total Power 42.8 dBm</p> <p>Transmit Freq Error 39 Hz</p> <p>x dB Bandwidth 9.818 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Status DC Coupled</p>

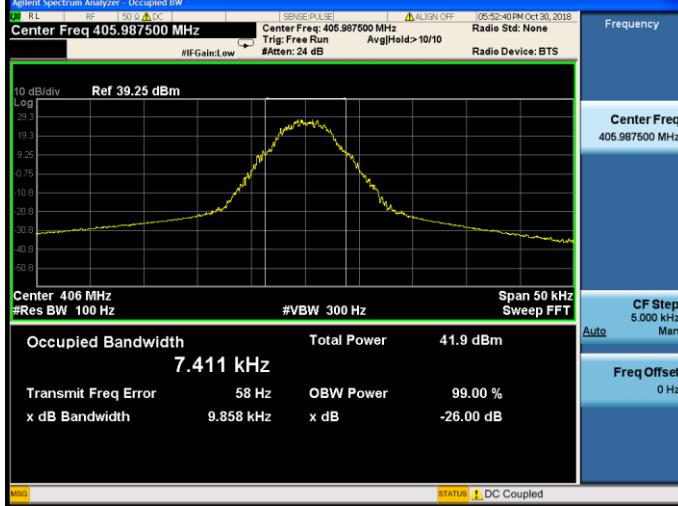
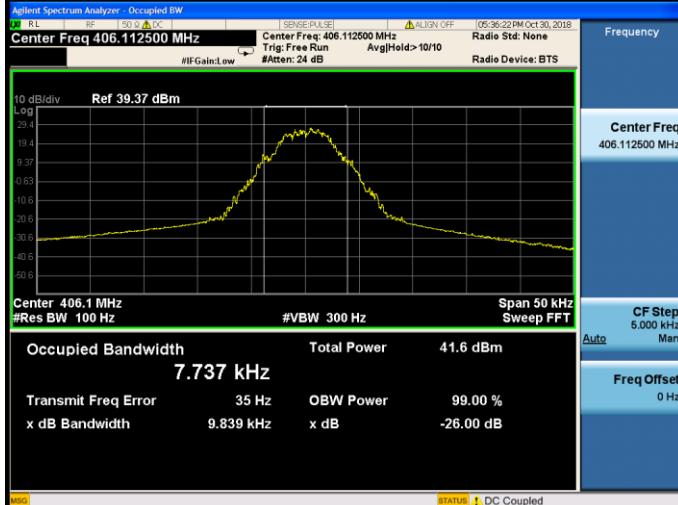


Appendix B:Occupied Bandwidth for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 39.90 dBm 10 dB/div Log Span 50 kHz Sweep FFT Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Occupied Bandwidth 7.698 kHz Total Power 42.5 dBm Transmit Freq Error 169 Hz OBW Power 99.00 % x dB Bandwidth 9.866 kHz x dB -26.00 dB CF Step 5.000 kHz Auto Freq Offset 0 Hz Status DC Coupled</p>
TX-DNH	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 39.90 dBm 10 dB/div Log Span 50 kHz Sweep FFT Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Occupied Bandwidth 7.494 kHz Total Power 42.7 dBm Transmit Freq Error 186 Hz OBW Power 99.00 % x dB Bandwidth 10.08 kHz x dB -26.00 dB CF Step 5.000 kHz Auto Freq Offset 0 Hz Status DC Coupled</p>
TX-DNL	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 41.07 dBm 10 dB/div Log Span 50 kHz Sweep FFT Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Occupied Bandwidth 7.678 kHz Total Power 43.3 dBm Transmit Freq Error 95 Hz OBW Power 99.00 % x dB Bandwidth 10.05 kHz x dB -26.00 dB CF Step 5.000 kHz Auto Freq Offset 0 Hz Status DC Coupled</p>



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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 39.25 dBm Frequency Center Freq 405.987500 MHz CF Step 5,000 kHz Auto Man Freq Offset 0 Hz Status DC Coupled</p> <p>Occupied Bandwidth 7.411 kHz Total Power 41.9 dBm Transmit Freq Error 58 Hz OBW Power 99.00 % x dB Bandwidth 9.858 kHz x dB -26.00 dB</p>
TX-DNL	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 39.37 dBm Frequency Center Freq 406.112500 MHz CF Step 5,000 kHz Auto Man Freq Offset 0 Hz Status DC Coupled</p> <p>Occupied Bandwidth 7.737 kHz Total Power 41.6 dBm Transmit Freq Error 35 Hz OBW Power 99.00 % x dB Bandwidth 9.839 kHz x dB -26.00 dB</p>
TX-DNL	4FSK	CH _{M3}	 <p>Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 41.27 dBm Frequency Center Freq 438.012500 MHz CF Step 5,000 kHz Auto Man Freq Offset 0 Hz Status DC Coupled</p> <p>Occupied Bandwidth 7.565 kHz Total Power 43.9 dBm Transmit Freq Error 100 Hz OBW Power 99.00 % x dB Bandwidth 9.702 kHz x dB -26.00 dB</p>

**Appendix B:Occupied Bandwidth for UHF Band**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{H1}	<p>The screenshot displays the Agilent Spectrum Analyzer interface with the following parameters and results:</p> <ul style="list-style-type: none">Center Freq: 469.987500 MHzRef: 40.31 dBmSpan: 50 kHz#VBW: 300 HzTotal Power: 42.8 dBmOBW Power: 99.00 %Transmit Freq Error: 155 Hzx dB Bandwidth: 10.17 kHzFreq Offset: 0 HzCF Step: 5,000 kHzIF Gain: LowAttenuation: 24 dBTrig. Free Run: EnabledAvg Hold: 10/10Radio Std: NoneRadio Device: BTS



Appendix C:Emission Mask for VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 26.04 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>(-2.01)</td><td>0.0</td><td>26.10</td><td>(-1.48) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>49.37</td><td>(-5.87)</td><td>-12.45 k</td><td>-51.43</td><td>(-7.58) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>47.95</td><td>(-27.95)</td><td>-14.10 k</td><td>-47.56</td><td>(-27.56) 14.20 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></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>MSG: File <MASK D state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.58	(-2.01)	0.0	26.10	(-1.48) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	49.37	(-5.87)	-12.45 k	-51.43	(-7.58) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	47.95	(-27.95)	-14.10 k	-47.56	(-27.56) 14.20 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	--	(--)	--	--	(--) --
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TX-DNH	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 29.24 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>16.39</td><td>(-11.19)</td><td>50.00</td><td>18.32</td><td>(-9.26) 550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>44.01</td><td>(-4.88)</td><td>-11.85 k</td><td>-49.08</td><td>(-5.59) 12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>45.66</td><td>(-25.66)</td><td>-12.80 k</td><td>-46.89</td><td>(-26.89) 12.55 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>MSG: File <Temp.png> saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	16.39	(-11.19)	50.00	18.32	(-9.26) 550.0	5.625 kHz	12.50 kHz	100.0 Hz	44.01	(-4.88)	-11.85 k	-49.08	(-5.59) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	45.66	(-25.66)	-12.80 k	-46.89	(-26.89) 12.55 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	--	(--)	--	--	(--) --
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TX-DNH	4FSK	CH _M	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 26.10 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>25.71</td><td>(-1.96)</td><td>0.0</td><td>26.17</td><td>(-1.50) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.65</td><td>(-4.88)</td><td>-12.50 k</td><td>-48.61</td><td>(-9.20) 11.90 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>47.51</td><td>(-27.51)</td><td>-15.10 k</td><td>-47.62</td><td>(-27.62) 15.20 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></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>MSG: File <MASK D state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.71	(-1.96)	0.0	26.17	(-1.50) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	48.65	(-4.88)	-12.50 k	-48.61	(-9.20) 11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	47.51	(-27.51)	-15.10 k	-47.62	(-27.62) 15.20 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	--	(--)	--	--	(--) --
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TX-DNH	4FSK	CH _H	<table border="1"><caption>Total Power Ref 29.17 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLm(dB)</th><th>Freq (Hz)</th><th>< Peak ></th><th>Upper ΔLm(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>14.17</td><td>(-13.43)</td><td>0.0</td><td>17.96</td><td>(9.64)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.43</td><td>(-4.95)</td><td>-12.45 k</td><td>48.35</td><td>(-5.97)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>46.69</td><td>(-26.69)</td><td>-18.20 k</td><td>45.35</td><td>(-25.35)</td><td>12.50 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 ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	14.17	(-13.43)	0.0	17.96	(9.64)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	48.43	(-4.95)	-12.45 k	48.35	(-5.97)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	46.69	(-26.69)	-18.20 k	45.35	(-25.35)	12.50 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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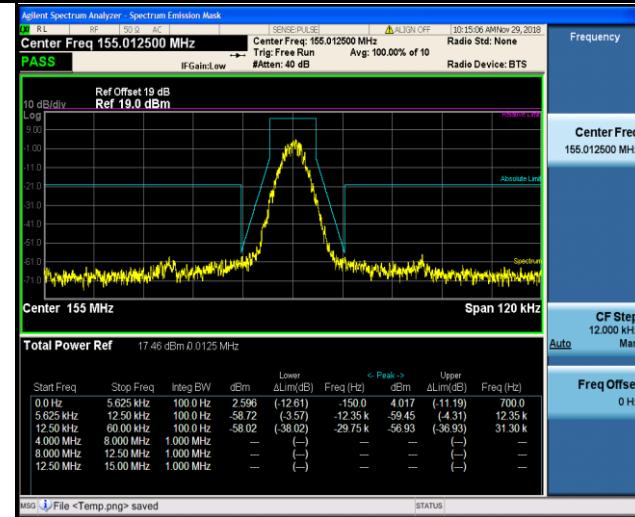
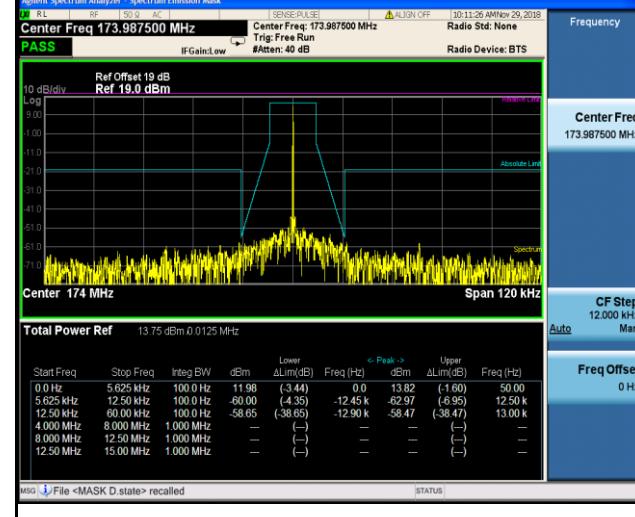
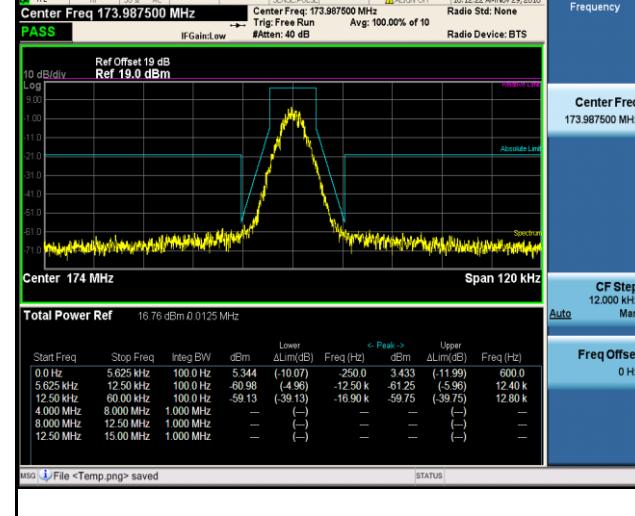


Appendix C:Emission Mask for VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNL	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</p> <p>Ref Offset 19 dB Ref 20.0 dBm</p> <p>Total Power Ref 13.86 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEbw</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>(-2.05)</td><td>0.0</td><td>13.92</td><td>(-1.62) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-58.13</td><td>(-5.15)</td><td>-12.10 k</td><td>-58.19</td><td>(-4.47) 12.20 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>-15.10 k</td><td>-59.33</td><td>(-39.33) 15.15 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></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>MSG: File <MASK D state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEbw	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	13.49	(-2.05)	0.0	13.92	(-1.62) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-58.13	(-5.15)	-12.10 k	-58.19	(-4.47) 12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-57.86	(-37.86)	-15.10 k	-59.33	(-39.33) 15.15 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	--	(--)	--	(--)	--
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TX-DNL	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</p> <p>Ref Offset 19 dB Ref 20.0 dBm</p> <p>Total Power Ref 17.13 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEbw</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>4.401</td><td>(-11.14)</td><td>800.0</td><td>6.762</td><td>(8.78) 850.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.69</td><td>(-5.25)</td><td>-12.30 k</td><td>58.23</td><td>(-3.43) 12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-56.31</td><td>(-36.31)</td><td>-14.35 k</td><td>-58.06</td><td>(-38.66) 12.70 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></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>MSG: File <Temp.png> saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEbw	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	4.401	(-11.14)	800.0	6.762	(8.78) 850.0	5.625 kHz	12.50 kHz	100.0 Hz	-59.69	(-5.25)	-12.30 k	58.23	(-3.43) 12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-56.31	(-36.31)	-14.35 k	-58.06	(-38.66) 12.70 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-DNL	4FSK	CH _M	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>PASS</p> <p>Ref Offset 19 dB Ref 19.0 dBm</p> <p>Total Power Ref 13.47 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEbw</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>13.07</td><td>(-2.13)</td><td>0.0</td><td>13.53</td><td>(-1.67) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-63.09</td><td>(-7.59)</td><td>-12.40 k</td><td>-63.35</td><td>(-7.12) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.54</td><td>(-33.54)</td><td>-30.45 k</td><td>-54.47</td><td>(-34.47) 30.55 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>MSG: File <MASK D state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEbw	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	13.07	(-2.13)	0.0	13.53	(-1.67) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-63.09	(-7.59)	-12.40 k	-63.35	(-7.12) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-53.54	(-33.54)	-30.45 k	-54.47	(-34.47) 30.55 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	--	(--)	--	(--)	--
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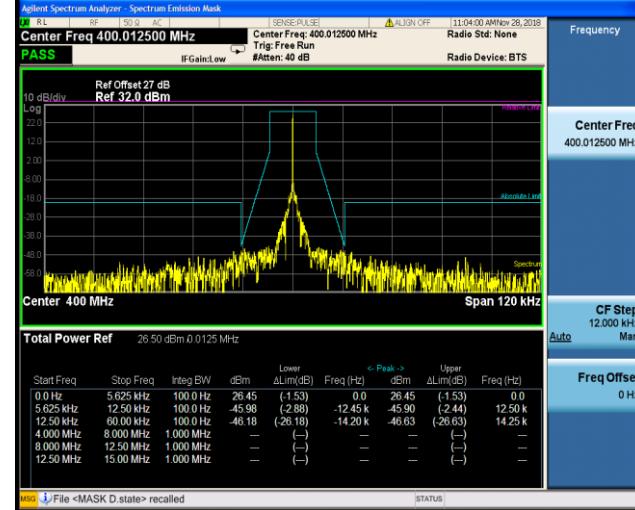
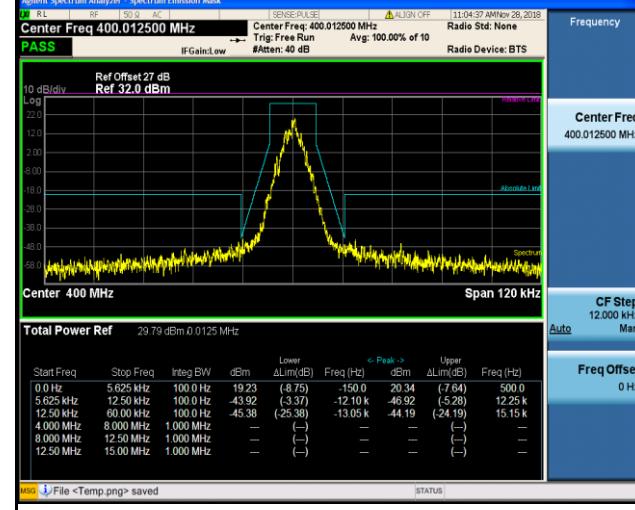
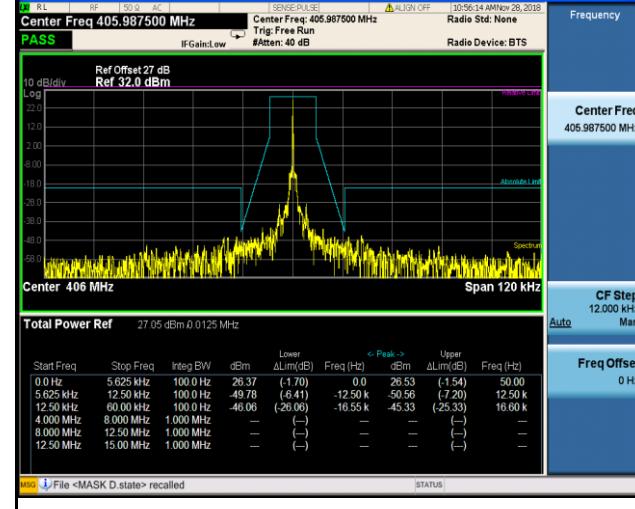


Appendix C:Emission Mask for VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>Total Power Ref 17.46 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>2.596</td><td>(-12.81)</td><td>-150.0</td><td>4.017</td><td>(-11.19)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>58.72</td><td>(-3.57)</td><td>-12.35 k</td><td>59.45</td><td>(-4.31)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>58.02</td><td>(-38.02)</td><td>-29.75 k</td><td>56.93</td><td>(-36.93)</td><td>31.30 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> <p>MSG: File <Temp.png> saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	2.596	(-12.81)	-150.0	4.017	(-11.19)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	58.72	(-3.57)	-12.35 k	59.45	(-4.31)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	58.02	(-38.02)	-29.75 k	56.93	(-36.93)	31.30 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	—	(—)	—	(—)	(—)	—
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TX-DNL	4FSK	CH _H	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>Total Power Ref 13.75 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>11.98</td><td>(3.44)</td><td>0.0</td><td>13.82</td><td>(1.60)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>60.98</td><td>(4.35)</td><td>-12.45 k</td><td>62.97</td><td>(6.95)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>58.65</td><td>(-38.65)</td><td>-12.90 k</td><td>58.47</td><td>(-38.47)</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> <p>MSG: File <MASK D.state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	11.98	(3.44)	0.0	13.82	(1.60)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	60.98	(4.35)	-12.45 k	62.97	(6.95)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	58.65	(-38.65)	-12.90 k	58.47	(-38.47)	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	—	(—)	—	(—)	(—)	—
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TX-DNL	4FSK	CH _H	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>Total Power Ref 16.76 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>5.344</td><td>(-10.07)</td><td>-250.0</td><td>3.433</td><td>(-11.99)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-60.98</td><td>(4.96)</td><td>-12.50 k</td><td>61.25</td><td>(5.96)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>59.13</td><td>(-39.13)</td><td>-16.90 k</td><td>59.75</td><td>(-39.75)</td><td>12.80 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><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> <p>MSG: File <Temp.png> saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	5.344	(-10.07)	-250.0	3.433	(-11.99)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	-60.98	(4.96)	-12.50 k	61.25	(5.96)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	59.13	(-39.13)	-16.90 k	59.75	(-39.75)	12.80 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	—	(—)	—	(—)	(—)	—
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Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{L1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 26.50 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>26.45</td><td>(-1.53)</td><td>0.0</td><td>26.45</td><td>(-1.53)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.98</td><td>(-2.88)</td><td>-12.45 k</td><td>-45.90</td><td>(-2.44)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.18</td><td>(-26.18)</td><td>-14.20 k</td><td>-46.63</td><td>(-26.63)</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> <p>File <MASK D.state> recalled</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.45	(-1.53)	0.0	26.45	(-1.53)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.98	(-2.88)	-12.45 k	-45.90	(-2.44)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.18	(-26.18)	-14.20 k	-46.63	(-26.63)	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	--	(--)	--	--	(--)	--
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TX-DNH	4FSK	CH _{L1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 29.79 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>19.23</td><td>(8.75)</td><td>150.0</td><td>20.34</td><td>(7.64)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.92</td><td>(3.37)</td><td>-12.10 k</td><td>-46.92</td><td>(5.28)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.38</td><td>(-25.38)</td><td>-13.05 k</td><td>-44.19</td><td>(-24.19)</td><td>15.15 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> <p>File <Temp.png> saved</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.23	(8.75)	150.0	20.34	(7.64)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.92	(3.37)	-12.10 k	-46.92	(5.28)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.38	(-25.38)	-13.05 k	-44.19	(-24.19)	15.15 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	--	(--)	--	--	(--)	--
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TX-DNH	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 27.05 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>26.37</td><td>(-1.70)</td><td>0.0</td><td>26.53</td><td>(-1.54)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-49.78</td><td>(-6.41)</td><td>-12.50 k</td><td>-50.56</td><td>(-7.20)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.06</td><td>(-26.06)</td><td>-16.55 k</td><td>-45.33</td><td>(-25.33)</td><td>16.60 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><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> <p>File <MASK D.state> recalled</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.37	(-1.70)	0.0	26.53	(-1.54)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-49.78	(-6.41)	-12.50 k	-50.56	(-7.20)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.06	(-26.06)	-16.55 k	-45.33	(-25.33)	16.60 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	--	(--)	--	--	(--)	--
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Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None PASS IF Gain:Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 27 dB Ref 32.0 dBm Log 22.0 2.00 8.00 18.0 38.0 48.0 10 dB/diy 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz Center Freq 406 MHz Span 120 kHz Total Power Ref 30.51 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref 30.51 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>19.26</td><td>(-8.81)</td><td>-150.0</td><td>18.86</td><td>(9.21) 350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>45.41</td><td>(-2.05)</td><td>-12.50 k</td><td>-46.52</td><td>(-6.79) 12.00 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>45.73</td><td>(-25.73)</td><td>-12.85 k</td><td>-43.76</td><td>(-23.76) 14.05 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></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>Msg: File <Temp.png> saved STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.26	(-8.81)	-150.0	18.86	(9.21) 350.0	5.625 kHz	12.50 kHz	100.0 Hz	45.41	(-2.05)	-12.50 k	-46.52	(-6.79) 12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	45.73	(-25.73)	-12.85 k	-43.76	(-23.76) 14.05 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	--	(--)	--	(--)	--
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TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain:Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 27 dB Ref 32.0 dBm Log 22.0 2.00 8.00 18.0 38.0 48.0 10 dB/diy 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz Center Freq 406.1125 MHz Span 120 kHz Total Power Ref 26.73 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref 26.73 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>26.23</td><td>(-1.83)</td><td>0.0</td><td>26.50</td><td>(-1.56) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>47.27</td><td>(5.35)</td><td>-12.30 k</td><td>-48.12</td><td>(-5.84) 12.35 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>-13.30 k</td><td>-45.77</td><td>(-25.77) 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></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>Msg: File <MASK.D.state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.23	(-1.83)	0.0	26.50	(-1.56) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	47.27	(5.35)	-12.30 k	-48.12	(-5.84) 12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	45.89	(-25.89)	-13.30 k	-45.77	(-25.77) 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	--	(--)	--	(--)	--
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TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None PASS IF Gain:Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 27 dB Ref 32.0 dBm Log 22.0 2.00 8.00 18.0 38.0 48.0 10 dB/diy 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz 100.0 Hz Center Freq 406.1125 MHz Span 120 kHz Total Power Ref 29.83 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref 29.83 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>19.40</td><td>(-8.66)</td><td>-50.00</td><td>19.37</td><td>(-8.70) 550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>46.24</td><td>(-4.31)</td><td>-12.30 k</td><td>-48.49</td><td>(-5.12) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>44.97</td><td>(-24.97)</td><td>-17.90 k</td><td>-45.34</td><td>(-25.34) 15.65 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>Msg: File <Temp.png> saved STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.40	(-8.66)	-50.00	19.37	(-8.70) 550.0	5.625 kHz	12.50 kHz	100.0 Hz	46.24	(-4.31)	-12.30 k	-48.49	(-5.12) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	44.97	(-24.97)	-17.90 k	-45.34	(-25.34) 15.65 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	--	(--)	--	(--)	--
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Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain:Low #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 28 dB Ref 30.0 dBm</p> <p>Total Power Ref 25.35 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>25.22</td><td>(0.77)</td><td>0.0</td><td>25.22</td><td>(0.77) 0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>49.53</td><td>(4.80)</td><td>-12.40 k</td><td>-49.00</td><td>(5.36) 12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>49.12</td><td>(29.12)</td><td>-16.55 k</td><td>-46.37</td><td>(26.37) 19.90 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></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>Msg: File <MASK D state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.22	(0.77)	0.0	25.22	(0.77) 0.0	5.625 kHz	12.50 kHz	100.0 Hz	49.53	(4.80)	-12.40 k	-49.00	(5.36) 12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	49.12	(29.12)	-16.55 k	-46.37	(26.37) 19.90 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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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—) —																																																				
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain:Low #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 28 dB Ref 30.0 dBm</p> <p>Total Power Ref 27.82 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>17.98</td><td>(8.00)</td><td>200.0</td><td>17.64</td><td>(8.34) 550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.60</td><td>(3.14)</td><td>-12.50 k</td><td>-48.59</td><td>(3.13) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>47.32</td><td>(27.32)</td><td>-13.00 k</td><td>-48.01</td><td>(28.01) 13.05 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></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>Msg: File <Temp.png> saved STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	17.98	(8.00)	200.0	17.64	(8.34) 550.0	5.625 kHz	12.50 kHz	100.0 Hz	48.60	(3.14)	-12.50 k	-48.59	(3.13) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	47.32	(27.32)	-13.00 k	-48.01	(28.01) 13.05 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	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—) —																																																				
TX-DNH	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain:Low #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 27 dB Ref 32.0 dBm</p> <p>Total Power Ref 26.52 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>< Peak ></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>26.40</td><td>(-1.71)</td><td>0.0</td><td>26.69</td><td>(-1.42) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>47.79</td><td>(-5.55)</td><td>-12.35 k</td><td>-47.60</td><td>(-4.64) 12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>48.08</td><td>(-28.08)</td><td>-17.80 k</td><td>-47.44</td><td>(-27.44) 17.95 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></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>Msg: File <MASK D state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.40	(-1.71)	0.0	26.69	(-1.42) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	47.79	(-5.55)	-12.35 k	-47.60	(-4.64) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	48.08	(-28.08)	-17.80 k	-47.44	(-27.44) 17.95 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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Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 27 dB Ref 32.0 dBm 10 dB/div Log Absolute Line Spectra Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 29.65 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEmin Lower ΔLIM(dB) Peak Freq(dBm) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 18.10 (-10.01) 0.0 19.77 (8.35) 550.0 5.625 kHz 12.50 kHz 100.0 Hz -43.86 (-1.63) -12.35 k -46.51 (-5.36) 12.20 k 12.50 kHz 60.00 kHz 100.0 Hz -45.14 (-25.14) -12.75 k -43.40 (-23.40) 13.20 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 -- -- -- -- (--) -- Msg: J:\File <Temp.png> saved STATUS: File <MASK.D.state> recalled STATUS:</p>
TX-DNL	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 27 dB Ref 31.0 dBm 10 dB/div Log Absolute Line Spectra Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 25.04 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEmin Lower ΔLIM(dB) Peak Freq(dBm) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 24.99 (-1.52) 0.0 24.99 (-1.52) 0.0 5.625 kHz 12.50 kHz 100.0 Hz -46.37 (-3.98) -12.15 k -45.53 (-3.15) 12.15 k 12.50 kHz 60.00 kHz 100.0 Hz -47.40 (-27.40) -16.90 k -47.21 (-27.21) 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 -- -- -- -- (--) -- Msg: J:\File <MASK.D.state> recalled STATUS: File <Temp.png> saved STATUS:</p>
TX-DNL	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 27 dB Ref 31.0 dBm 10 dB/div Log Absolute Line Spectra Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 28.18 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEmin Lower ΔLIM(dB) Peak Freq(dBm) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 17.03 (-9.48) -50.00 16.82 (9.69) 500.0 5.625 kHz 12.50 kHz 100.0 Hz -48.37 (-4.17) -12.40 k -46.90 (-3.43) 12.30 k 12.50 kHz 60.00 kHz 100.0 Hz -46.39 (-26.39) -12.70 k -46.42 (-26.42) 16.80 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 -- -- -- -- (--) -- Msg: J:\File <Temp.png> saved STATUS: File <MASK.D.state> recalled STATUS:</p>



Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>Total Power Ref 23.54 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>22.72</td><td>(-1.87)</td><td>0.0</td><td>23.08</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>50.83</td><td>(-6.17)</td><td>-12.20 k</td><td>48.88</td><td>(-3.85)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>49.04</td><td>(-29.04)</td><td>-14.95 k</td><td>49.95</td><td>(-29.95)</td><td>15.00 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	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.72	(-1.87)	0.0	23.08	(-1.51)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	50.83	(-6.17)	-12.20 k	48.88	(-3.85)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	49.04	(-29.04)	-14.95 k	49.95	(-29.95)	15.00 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	--	(--)	--	(--)	(--)	--
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TX-DNL	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>Total Power Ref 26.15 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>15.47</td><td>(9.12)</td><td>500.0</td><td>14.18</td><td>(-10.42)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.51</td><td>(1.66)</td><td>-12.50 k</td><td>46.93</td><td>(0.09)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>49.73</td><td>(-29.73)</td><td>-16.70 k</td><td>48.03</td><td>(-28.03)</td><td>15.35 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	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	15.47	(9.12)	500.0	14.18	(-10.42)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	48.51	(1.66)	-12.50 k	46.93	(0.09)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	49.73	(-29.73)	-16.70 k	48.03	(-28.03)	15.35 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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12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	(--)	--																																																										
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Total Power Ref 23.00 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>< Peak ></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>22.78</td><td>(-1.67)</td><td>0.0</td><td>22.78</td><td>(-1.67)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>50.83</td><td>(-7.49)</td><td>-12.00 k</td><td>50.55</td><td>(-7.20)</td><td>12.00 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>49.24</td><td>(-29.24)</td><td>-13.60 k</td><td>48.87</td><td>(-28.87)</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	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.78	(-1.67)	0.0	22.78	(-1.67)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	50.83	(-7.49)	-12.00 k	50.55	(-7.20)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	49.24	(-29.24)	-13.60 k	48.87	(-28.87)	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	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain:Low #Atten: 40 dB Ref Offset 27 dB Ref 28.0 dBm 10 dB/diy Log Absolute Line Spectra Center 406.1 MHz Span 120 kHz Total Power Ref 25.53 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEtm Lower < Peak > Upper Freq (Hz) dEtm Freq (Hz) 0.0 Hz 5.625 kHz 100.0 Hz 14.33 (-10.13) -50.00 15.77 (8.68) 100.0 5.625 kHz 12.50 kHz 100.0 Hz -51.16 (-6.73) -12.15 k -49.96 (-3.71) 12.40 k 12.50 kHz 60.00 kHz 100.0 Hz -47.71 (-27.71) -13.85 k -49.24 (-29.24) 15.35 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 -- (-) -- -- (--) -- Msg: File <Temp.png> saved STATUS: Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain:Low #Atten: 40 dB Ref Offset 28 dB Ref 24.0 dBm 10 dB/diy Log Absolute Line Spectra Center 438 MHz Span 120 kHz Total Power Ref 18.68 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEtm Lower < Peak > Upper Freq (Hz) dEtm Freq (Hz) 0.0 Hz 5.625 kHz 100.0 Hz 18.81 (0.74) 0.0 18.81 (0.74) 0.0 5.625 kHz 12.50 kHz 100.0 Hz -59.36 (7.47) -12.50 k 54.40 (3.96) 12.30 k 12.50 kHz 60.00 kHz 100.0 Hz -53.36 (-33.36) -12.60 k -53.69 (-33.69) 34.05 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 -- (-) -- -- (--) -- Msg: File <MASK D.state> recalled STATUS: Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS PASS IF Gain:Low #Atten: 40 dB Ref Offset 28 dB Ref 24.0 dBm 10 dB/diy Log Absolute Line Spectra Center 438 MHz Span 120 kHz Total Power Ref 22.40 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEtm Lower < Peak > Upper Freq (Hz) dEtm Freq (Hz) 0.0 Hz 5.625 kHz 100.0 Hz 9.551 (-10.00) -200.0 12.74 (6.81) 600.0 5.625 kHz 12.50 kHz 100.0 Hz -55.79 (-3.90) -12.50 k -53.74 (-2.22) 12.45 k 12.50 kHz 60.00 kHz 100.0 Hz -52.00 (-32.00) -12.85 k -50.52 (-30.52) 13.60 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 -- (-) -- -- (--) -- Msg: File <Temp.png> saved STATUS: Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>



Appendix C:Emission Mask for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>PASS</p> <p>Ref Offset 27 dB Ref 31.0 dBm</p> <p>Total Power Ref 25.98 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 ></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>25.62</td><td>(-1.38)</td><td>0.0</td><td>25.62</td><td>(-1.38)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.61</td><td>(-5.26)</td><td>-12.35 k</td><td>-49.78</td><td>(-5.70)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>45.70</td><td>(-25.70)</td><td>-16.50 k</td><td>-46.42</td><td>(-26.42)</td><td>16.55 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><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> <p>MSG: File <MASK D state> recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.62	(-1.38)	0.0	25.62	(-1.38)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	48.61	(-5.26)	-12.35 k	-49.78	(-5.70)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	45.70	(-25.70)	-16.50 k	-46.42	(-26.42)	16.55 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	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>PASS</p> <p>Ref Offset 27 dB Ref 31.0 dBm</p> <p>Total Power Ref 28.44 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 ></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>17.23</td><td>(-9.77)</td><td>-50.00</td><td>20.59</td><td>(-6.41)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>47.70</td><td>(-4.35)</td><td>-12.35 k</td><td>-47.62</td><td>(-3.18)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>44.74</td><td>(-24.74)</td><td>-12.50 k</td><td>-46.19</td><td>(-26.19)</td><td>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><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> <p>MSG: File <Temp.png> saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	17.23	(-9.77)	-50.00	20.59	(-6.41)	500.0	5.625 kHz	12.50 kHz	100.0 Hz	47.70	(-4.35)	-12.35 k	-47.62	(-3.18)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	44.74	(-24.74)	-12.50 k	-46.19	(-26.19)	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	—	(—)	—	—	(—)	—
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