

## **8 APPENDIX REPORT**

**Appendix A:Maximum Transmitter Power For VHF Band**

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH <sub>L</sub>	36.7	4.68	5.00	-6.5	±20	PASS
TX-DNH	4FSK	CH <sub>M</sub>	36.8	4.79	5.00	-4.3	±20	PASS
TX-DNH	4FSK	CH <sub>H</sub>	36.4	4.37	5.00	-12.7	±20	PASS
TX-DNL	4FSK	CH <sub>L</sub>	29.1	0.81	1.00	-18.7	±20	PASS
TX-DNL	4FSK	CH <sub>M</sub>	29.7	0.93	1.00	-6.7	±20	PASS
TX-DNL	4FSK	CH <sub>H</sub>	29.2	0.83	1.00	-16.8	±20	PASS

**Appendix A:Maximum Transmitter Power For UHF Band**

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH <sub>L1</sub>	36.7	4.68	5.00	-6.5	±20	PASS
TX-DNH	4FSK	CH <sub>M1</sub>	36.8	4.79	5.00	-4.3	±20	PASS
TX-DNH	4FSK	CH <sub>M2</sub>	36.4	4.37	5.00	-12.7	±20	PASS
TX-DNH	4FSK	CH <sub>M3</sub>	36.7	4.68	5.00	-6.5	±20	PASS
TX-DNH	4FSK	CH <sub>H1</sub>	36.6	4.57	5.00	-8.6	±20	PASS
TX-DNL	4FSK	CH <sub>L1</sub>	29.9	0.97	1.00	-2.9	±20	PASS
TX-DNL	4FSK	CH <sub>M1</sub>	29.6	0.91	1.00	-8.8	±20	PASS
TX-DNL	4FSK	CH <sub>M2</sub>	29.8	0.95	1.00	-4.5	±20	PASS
TX-DNL	4FSK	CH <sub>M3</sub>	29.7	0.93	1.00	-6.7	±20	PASS
TX-DNL	4FSK	CH <sub>H1</sub>	29.4	0.87	1.00	-12.9	±20	PASS

**Appendix B:Occupied Bandwidth For VHF Band**

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH <sub>L</sub>	7.104	9.321	≤11.25	PASS
TX-DNH	4FSK	CH <sub>M</sub>	7.279	9.236	≤11.25	PASS
TX-DNH	4FSK	CH <sub>H</sub>	7.152	9.255	≤11.25	PASS
TX-DNL	4FSK	CH <sub>L</sub>	7.330	9.712	≤11.25	PASS
TX-DNL	4FSK	CH <sub>M</sub>	7.173	9.520	≤11.25	PASS
TX-DNL	4FSK	CH <sub>H</sub>	7.179	9.250	≤11.25	PASS

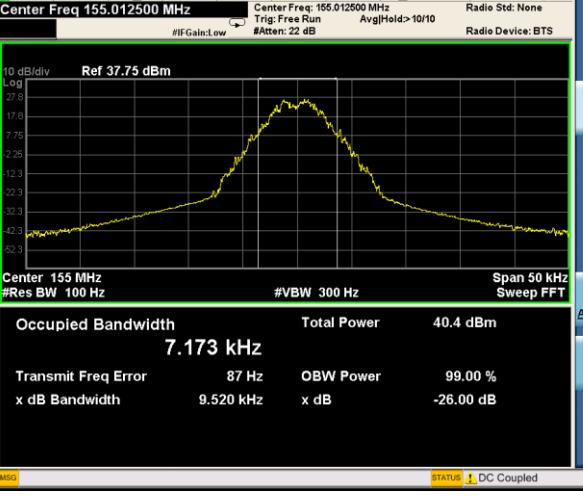
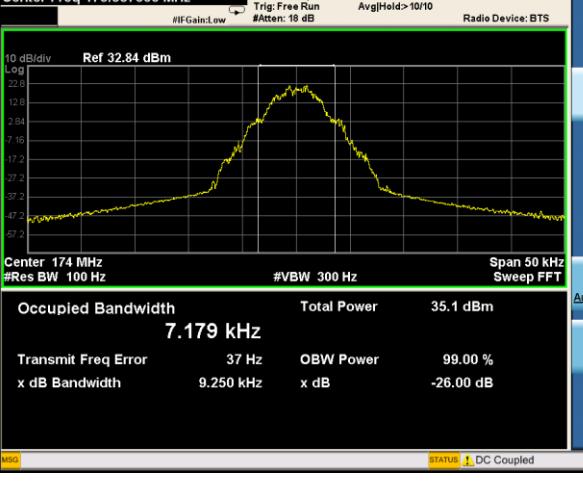


## Appendix B: Occupied Bandwidth For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH <sub>L</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Center Freq: 136.012500 MHz Trig: Free Run Avg Hold&gt; 10/10 Radio Std: None #IF Gain:Low #Atten: 22 dB Radio Device: BTS 10 dB/div Ref 37.56 dBm Log 27.8 27.6 27.4 27.2 27.0 26.8 26.6 26.4 26.2 26.0 25.8 25.6 25.4 25.2 25.0 24.8 24.6 24.4 24.2 24.0 23.8 23.6 23.4 23.2 23.0 22.8 22.6 22.4 22.2 22.0 21.8 21.6 21.4 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 19.6 19.4 19.2 19.0 18.8 18.6 18.4 18.2 18.0 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 14.8 14.6 14.4 14.2 14.0 13.8 13.6 13.4 13.2 13.0 12.8 12.6 12.4 12.2 12.0 11.8 11.6 11.4 11.2 11.0 10.8 10.6 10.4 10.2 10.0 9.8 9.6 9.4 9.2 9.0 8.8 8.6 8.4 8.2 8.0 7.8 7.6 7.4 7.2 7.0 6.8 6.6 6.4 6.2 6.0 5.8 5.6 5.4 5.2 5.0 4.8 4.6 4.4 4.2 4.0 3.8 3.6 3.4 3.2 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 0.8 0.6 0.4 0.2 0.0 Center 136 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.104 kHz Total Power 40.5 dBm Transmit Freq Error 78 Hz OBW Power 99.00 % x dB Bandwidth 9.321 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 155.012500 MHz Center Freq: 155.012500 MHz Trig: Free Run Avg Hold&gt; 10/10 Radio Std: None #IF Gain:Low #Atten: 22 dB Radio Device: BTS 10 dB/div Ref 37.87 dBm Log 27.9 27.7 27.5 27.3 27.1 26.9 26.7 26.5 26.3 26.1 25.9 25.7 25.5 25.3 25.1 24.9 24.7 24.5 24.3 24.1 23.9 23.7 23.5 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 21.7 21.5 21.3 21.1 20.9 20.7 20.5 20.3 20.1 19.9 19.7 19.5 19.3 19.1 18.9 18.7 18.5 18.3 18.1 17.9 17.7 17.5 17.3 17.1 16.9 16.7 16.5 16.3 16.1 15.9 15.7 15.5 15.3 15.1 14.9 14.7 14.5 14.3 14.1 13.9 13.7 13.5 13.3 13.1 12.9 12.7 12.5 12.3 12.1 11.9 11.7 11.5 11.3 11.1 10.9 10.7 10.5 10.3 10.1 9.9 9.7 9.5 9.3 9.1 8.9 8.7 8.5 8.3 8.1 7.9 7.7 7.5 7.3 7.1 6.9 6.7 6.5 6.3 6.1 5.9 5.7 5.5 5.3 5.1 4.9 4.7 4.5 4.3 4.1 3.9 3.7 3.5 3.3 3.1 2.9 2.7 2.5 2.3 2.1 1.9 1.7 1.5 1.3 1.1 0.9 0.7 0.5 0.3 0.1 0.0 Center 155 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.279 kHz Total Power 40.3 dBm Transmit Freq Error 37 Hz OBW Power 99.00 % x dB Bandwidth 9.236 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Trig: Free Run Avg Hold&gt; 10/10 Radio Std: None #IF Gain:Low #Atten: 24 dB Radio Device: BTS 10 dB/div Ref 38.74 dBm Log 29.7 29.5 29.3 29.1 28.9 28.7 28.5 28.3 28.1 27.9 27.7 27.5 27.3 27.1 26.9 26.7 26.5 26.3 26.1 25.9 25.7 25.5 25.3 25.1 24.9 24.7 24.5 24.3 24.1 23.9 23.7 23.5 23.3 23.1 22.9 22.7 22.5 22.3 22.1 21.9 21.7 21.5 21.3 21.1 20.9 20.7 20.5 20.3 20.1 19.9 19.7 19.5 19.3 19.1 18.9 18.7 18.5 18.3 18.1 17.9 17.7 17.5 17.3 17.1 16.9 16.7 16.5 16.3 16.1 15.9 15.7 15.5 15.3 15.1 14.9 14.7 14.5 14.3 14.1 13.9 13.7 13.5 13.3 13.1 12.9 12.7 12.5 12.3 12.1 11.9 11.7 11.5 11.3 11.1 10.9 10.7 10.5 10.3 10.1 9.9 9.7 9.5 9.3 9.1 8.9 8.7 8.5 8.3 8.1 7.9 7.7 7.5 7.3 7.1 6.9 6.7 6.5 6.3 6.1 5.9 5.7 5.5 5.3 5.1 4.9 4.7 4.5 4.3 4.1 3.9 3.7 3.5 3.3 3.1 2.9 2.7 2.5 2.3 2.1 1.9 1.7 1.5 1.3 1.1 0.9 0.7 0.5 0.3 0.1 0.0 Center 174 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.152 kHz Total Power 40.8 dBm Transmit Freq Error 140 Hz OBW Power 99.00 % x dB Bandwidth 9.255 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>



## **Appendix B: Occupied Bandwidth For VHF Band**

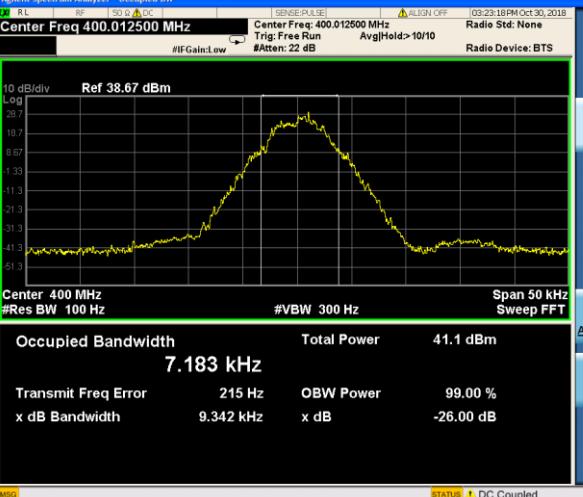
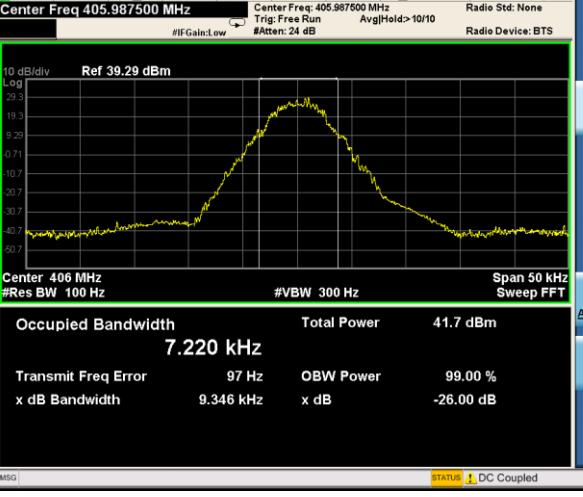
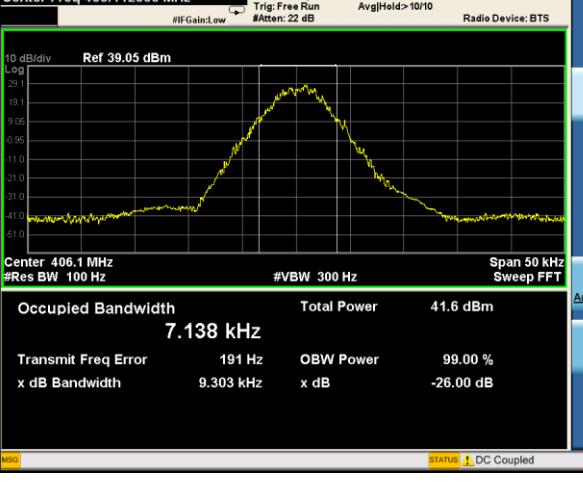
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT			
TX-DNL	4FSK	CH <sub>L</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 136.012500 MHz</p> <p>Ref 36.31 dBm</p> <p>Occupied Bandwidth 7.330 kHz</p> <p>Total Power 38.6 dBm</p> <p>Transmit Freq Error 48 Hz</p> <p>x dB Bandwidth 9.712 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 136.012500 MHz	CF Step 5.000 kHz Man
TX-DNL	4FSK	CH <sub>M</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 155.012500 MHz</p> <p>Ref 37.75 dBm</p> <p>Occupied Bandwidth 7.173 kHz</p> <p>Total Power 40.4 dBm</p> <p>Transmit Freq Error 87 Hz</p> <p>x dB Bandwidth 9.520 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 155.012500 MHz	CF Step 5.000 kHz Man
TX-DNL	4FSK	CH <sub>H</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 173.987500 MHz</p> <p>Ref 32.84 dBm</p> <p>Occupied Bandwidth 7.179 kHz</p> <p>Total Power 35.1 dBm</p> <p>Transmit Freq Error 37 Hz</p> <p>x dB Bandwidth 9.250 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 173.987500 MHz	CF Step 5.000 kHz Man

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

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH <sub>L1</sub>	7.183	9.342	≤11.25	PASS
TX-DNH	4FSK	CH <sub>M1</sub>	7.220	9.246	≤11.25	PASS
TX-DNH	4FSK	CH <sub>M2</sub>	7.138	9.303	≤11.25	PASS
TX-DNH	4FSK	CH <sub>M3</sub>	7.143	9.231	≤11.25	PASS
TX-DNH	4FSK	CH <sub>H1</sub>	7.198	9.360	≤11.25	PASS
TX-DNL	4FSK	CH <sub>L1</sub>	7.514	9.928	≤11.25	PASS
TX-DNL	4FSK	CH <sub>M1</sub>	7.140	9.493	≤11.25	PASS
TX-DNL	4FSK	CH <sub>M2</sub>	6.919	9.272	≤11.25	PASS
TX-DNL	4FSK	CH <sub>M3</sub>	7.097	9.288	≤11.25	PASS
TX-DNL	4FSK	CH <sub>H1</sub>	7.422	9.658	≤11.25	PASS



## **Appendix B: Occupied Bandwidth For UHF Band**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT			
TX-DNH	4FSK	CH <sub>L1</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Occupied Bandwidth 7.183 kHz</p> <p>Total Power 41.1 dBm</p> <p>Transmit Freq Error 215 Hz</p> <p>x dB Bandwidth 9.342 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 400.012500 MHz	CF Step 5,000 kHz Man
TX-DNH	4FSK	CH <sub>M1</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Occupied Bandwidth 7.220 kHz</p> <p>Total Power 41.7 dBm</p> <p>Transmit Freq Error 97 Hz</p> <p>x dB Bandwidth 9.346 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 405.987500 MHz	CF Step 5,000 kHz Man
TX-DNH	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Occupied Bandwidth 7.138 kHz</p> <p>Total Power 41.6 dBm</p> <p>Transmit Freq Error 191 Hz</p> <p>x dB Bandwidth 9.303 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>	Frequency	Center Freq 406.112500 MHz	CF Step 5,000 kHz Man

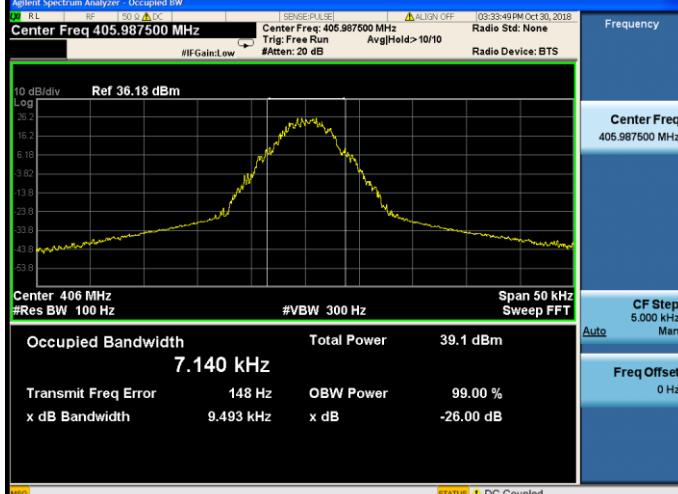
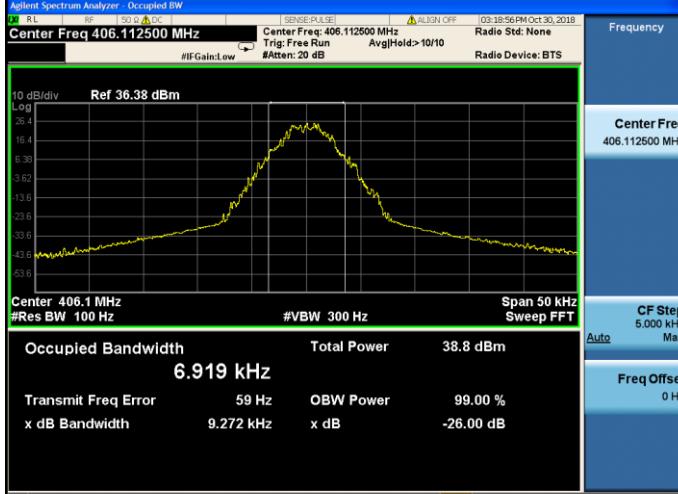
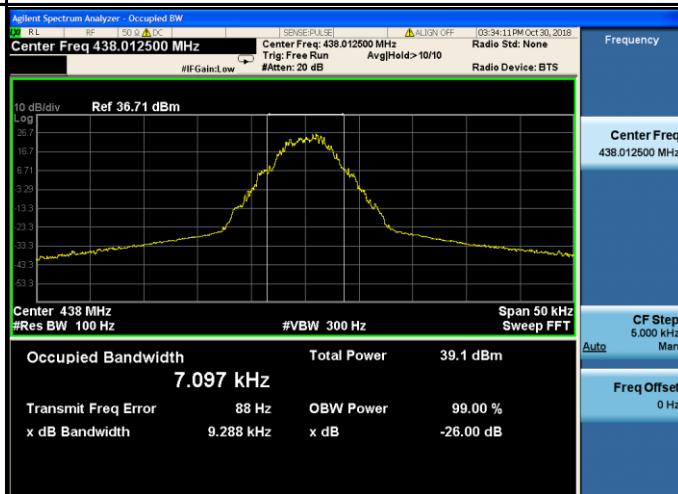


## Appendix B: Occupied Bandwidth For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH <sub>M3</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 39.66 dBm 10 dB/div Log Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.143 kHz Total Power 42.2 dBm Transmit Freq Error 176 Hz OBW Power 99.00 % x dB Bandwidth 9.231 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH <sub>H1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Ref 39.19 dBm 10 dB/div Log Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.198 kHz Total Power 41.8 dBm Transmit Freq Error 117 Hz OBW Power 99.00 % x dB Bandwidth 9.360 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNL	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 36.33 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.514 kHz Total Power 38.7 dBm Transmit Freq Error 134 Hz OBW Power 99.00 % x dB Bandwidth 9.928 kHz x dB -26.00 dB MSG 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 Center Freq 405.987500 MHz Ref 36.18 dBm Log 10 dB/div #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.140 kHz Total Power 39.1 dBm Transmit Freq Error 148 Hz OBW Power 99.00 % x dB Bandwidth 9.493 kHz x dB -26.00 dB CF Step 5,000 kHz Freq Offset 0 Hz Status DC Coupled</p>
TX-DNL	4FSK	CH <sub>M2</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 36.38 dBm Log 10 dB/div #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 6.919 kHz Total Power 38.8 dBm Transmit Freq Error 59 Hz OBW Power 99.00 % x dB Bandwidth 9.272 kHz x dB -26.00 dB CF Step 5,000 kHz Freq Offset 0 Hz Status DC Coupled</p>
TX-DNL	4FSK	CH <sub>M3</sub>	 <p>Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Ref 36.71 dBm Log 10 dB/div #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.097 kHz Total Power 39.1 dBm Transmit Freq Error 88 Hz OBW Power 99.00 % x dB Bandwidth 9.288 kHz x dB -26.00 dB CF Step 5,000 kHz Freq Offset 0 Hz 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>	



## 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</p> <p>Total Power Ref 25.93 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>&lt; Peak &gt;</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>25.56</td><td>(-1.91)</td><td>0.0</td><td>25.99</td><td>(-1.48)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-50.09</td><td>(-6.12)</td><td>-12.50 k</td><td>-50.19</td><td>(-6.58)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.64</td><td>(-26.64)</td><td>-16.80 k</td><td>-46.80</td><td>(-26.80)</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)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.56	(-1.91)	0.0	25.99	(-1.48)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-50.09	(-6.12)	-12.50 k	-50.19	(-6.58)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.64	(-26.64)	-16.80 k	-46.80	(-26.80)	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)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	25.56	(-1.91)	0.0	25.99	(-1.48)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-50.09	(-6.12)	-12.50 k	-50.19	(-6.58)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-46.64	(-26.64)	-16.80 k	-46.80	(-26.80)	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>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</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>Freq (Hz)</th><th>&lt; Peak &gt;</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>15.64</td><td>(-11.83)</td><td>50.00</td><td>17.86</td><td>(-9.80)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.15</td><td>(-2.55)</td><td>-12.45 k</td><td>-47.92</td><td>(-5.04)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.95</td><td>(-26.95)</td><td>-14.30 k</td><td>-44.93</td><td>(-24.93)</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)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	15.64	(-11.83)	50.00	17.86	(-9.80)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.15	(-2.55)	-12.45 k	-47.92	(-5.04)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.95	(-26.95)	-14.30 k	-44.93	(-24.93)	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)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	15.64	(-11.83)	50.00	17.86	(-9.80)	750.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-46.15	(-2.55)	-12.45 k	-47.92	(-5.04)	12.35 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-46.95	(-26.95)	-14.30 k	-44.93	(-24.93)	13.35 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
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TX-DNH	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>Total Power Ref 26.09 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>&lt; Peak &gt;</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>25.70</td><td>(-1.96)</td><td>0.0</td><td>26.16</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>-47.07</td><td>(-3.28)</td><td>-12.50 k</td><td>-46.27</td><td>(-6.85)</td><td>11.90 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-48.18</td><td>(-28.18)</td><td>-13.90 k</td><td>-47.70</td><td>(-27.70)</td><td>14.00 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 >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.70	(-1.96)	0.0	26.16	(-1.50)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-47.07	(-3.28)	-12.50 k	-46.27	(-6.85)	11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-48.18	(-28.18)	-13.90 k	-47.70	(-27.70)	14.00 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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## 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</p> <p>Center Freq 155.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 29.29 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>17.36</td><td>(-10.29)</td><td>-1.050 k</td><td>19.24</td><td>(8.42)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.05</td><td>(-3.81)</td><td>-12.15 k</td><td>-44.17</td><td>(-1.84)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.01</td><td>(-27.01)</td><td>-16.05 k</td><td>-46.24</td><td>(-26.24)</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> <p>MSG: File &lt;Temp.png&gt; saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	17.36	(-10.29)	-1.050 k	19.24	(8.42)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.05	(-3.81)	-12.15 k	-44.17	(-1.84)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.01	(-27.01)	-16.05 k	-46.24	(-26.24)	14.85 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	(--)	--
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TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 26.09 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>24.28</td><td>(3.32)</td><td>0.0</td><td>26.12</td><td>(1.48)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.52</td><td>(8.77)</td><td>-11.80 k</td><td>-47.69</td><td>(8.21)</td><td>11.90 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.87</td><td>(-27.87)</td><td>-14.25 k</td><td>-47.97</td><td>(-27.97)</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> <p>MSG: File &lt;MASK D.state&gt; recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	24.28	(3.32)	0.0	26.12	(1.48)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-47.52	(8.77)	-11.80 k	-47.69	(8.21)	11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.87	(-27.87)	-14.25 k	-47.97	(-27.97)	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	--	(--)	--	(--)	(--)	--
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TX-DNH	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 29.42 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>17.52</td><td>(-10.08)</td><td>-200.0</td><td>18.65</td><td>(8.95)</td><td>950.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.94</td><td>(-5.19)</td><td>-12.35 k</td><td>-46.44</td><td>(-2.97)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.67</td><td>(-26.67)</td><td>-12.50 k</td><td>-43.29</td><td>(-23.29)</td><td>15.55 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 &lt;Temp.png&gt; saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	17.52	(-10.08)	-200.0	18.65	(8.95)	950.0	5.625 kHz	12.50 kHz	100.0 Hz	-47.94	(-5.19)	-12.35 k	-46.44	(-2.97)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.67	(-26.67)	-12.50 k	-43.29	(-23.29)	15.55 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 <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</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>dEbw</th><th>Lower ΔLIM(dB)</th><th>&lt; Peak &gt;</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>13.42</td><td>(-2.08)</td><td>0.0</td><td>13.85</td><td>(-1.66) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.77</td><td>(-4.56)</td><td>-12.40 k</td><td>-63.95</td><td>(-6.02) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-59.49</td><td>(-39.49)</td><td>-14.45 k</td><td>-59.71</td><td>(-39.71) 15.70 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 &lt;MASK D state&gt; 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	13.42	(-2.08)	0.0	13.85	(-1.66) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-59.77	(-4.56)	-12.40 k	-63.95	(-6.02) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-59.49	(-39.49)	-14.45 k	-59.71	(-39.71) 15.70 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 <sub>L</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 16.86 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>&lt; Peak &gt;</th><th>Upper ΔLIM(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>3.874</td><td>(-11.63)</td><td>850.0</td><td>4.538</td><td>(-10.97) 1750 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-61.35</td><td>(-5.42)</td><td>-12.50 k</td><td>59.46</td><td>(-3.53) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-58.80</td><td>(-38.80)</td><td>-13.90 k</td><td>58.41</td><td>(-38.41) 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 &lt;Temp.png&gt; 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	3.874	(-11.63)	850.0	4.538	(-10.97) 1750 k	5.625 kHz	12.50 kHz	100.0 Hz	-61.35	(-5.42)	-12.50 k	59.46	(-3.53) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.80	(-38.80)	-13.90 k	58.41	(-38.41) 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-DNL	4FSK	CH <sub>M</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 13.42 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>&lt; Peak &gt;</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>13.04</td><td>(-2.12)</td><td>0.0</td><td>13.49</td><td>(-1.68) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.94</td><td>(-9.12)</td><td>-11.75 k</td><td>-59.92</td><td>(-5.10) 12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.49</td><td>(-33.49)</td><td>-30.50 k</td><td>-51.59</td><td>(-31.59) 30.60 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>MSG: File &lt;MASK D state&gt; 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	13.04	(-2.12)	0.0	13.49	(-1.68) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-59.94	(-9.12)	-11.75 k	-59.92	(-5.10) 12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-53.49	(-33.49)	-30.50 k	-51.59	(-31.59) 30.60 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 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</p> <p>PASS</p> <p>Total Power Ref 16.70 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLm(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>4.056</td><td>(-11.11)</td><td>-150.0</td><td>6.589</td><td>(8.57)</td><td>800.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-60.28</td><td>(-4.01)</td><td>-12.50 k</td><td>58.70</td><td>(-2.42)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-57.37</td><td>(-37.37)</td><td>-12.90 k</td><td>58.31</td><td>(-38.31)</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 &lt;Temp.png&gt; saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	4.056	(-11.11)	-150.0	6.589	(8.57)	800.0	5.625 kHz	12.50 kHz	100.0 Hz	-60.28	(-4.01)	-12.50 k	58.70	(-2.42)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-57.37	(-37.37)	-12.90 k	58.31	(-38.31)	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 <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 13.73 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLm(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>11.96</td><td>(-3.40)</td><td>0.0</td><td>13.79</td><td>(-1.58)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-62.70</td><td>(-6.99)</td><td>-12.45 k</td><td>58.35</td><td>(-7.00)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-58.90</td><td>(-38.90)</td><td>-30.40 k</td><td>60.45</td><td>(-40.45)</td><td>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><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 &lt;MASK D.state&gt; recalled</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	11.96	(-3.40)	0.0	13.79	(-1.58)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-62.70	(-6.99)	-12.45 k	58.35	(-7.00)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.90	(-38.90)	-30.40 k	60.45	(-40.45)	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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TX-DNL	4FSK	CH <sub>H</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 17.26 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</th><th>Lower ΔLm(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>5.095</td><td>(-10.27)</td><td>-1250 k</td><td>8.231</td><td>(7.14)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-57.38</td><td>(-4.58)</td><td>-12.05 k</td><td>59.72</td><td>(-5.11)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-58.23</td><td>(-38.23)</td><td>-15.40 k</td><td>56.99</td><td>(-36.99)</td><td>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><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 &lt;Temp.png&gt; saved</p> <p>STATUS:</p>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	5.095	(-10.27)	-1250 k	8.231	(7.14)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-57.38	(-4.58)	-12.05 k	59.72	(-5.11)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-58.23	(-38.23)	-15.40 k	56.99	(-36.99)	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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## Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain:Low Trig:Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 37 dB Ref 37.0 dBm 10 dB/div Log Absolute Line Spectrum Span 120 kHz Center 400 MHz Total Power Ref 30.82 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>&lt; Peak &gt;</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>30.89</td><td>(-1.71)</td><td>0.0</td><td>30.89</td><td>(-1.71)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.16</td><td>(-6.78)</td><td>-12.30 k</td><td>-42.75</td><td>(-8.64)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.33</td><td>(-23.33)</td><td>-22.80 k</td><td>-41.65</td><td>(-21.65)</td><td>20.80 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 &lt;MASK D.state&gt; recalled 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	30.89	(-1.71)	0.0	30.89	(-1.71)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.16	(-6.78)	-12.30 k	-42.75	(-8.64)	11.85 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.33	(-23.33)	-22.80 k	-41.65	(-21.65)	20.80 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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TX-DNH	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain:Low Trig:Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 37 dB Ref 37.0 dBm 10 dB/div Log Absolute Line Spectrum Span 120 kHz Center 400 MHz Total Power Ref 33.83 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>&lt; Peak &gt;</th><th>Upper ΔLIM(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.83</td><td>(-10.77)</td><td>350.0</td><td>25.19</td><td>(-7.41)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.66</td><td>(-2.83)</td><td>-12.50 k</td><td>-40.82</td><td>(-1.99)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.00</td><td>(-20.00)</td><td>-13.80 k</td><td>-39.87</td><td>(-19.87)</td><td>16.85 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> <p>Msg: File &lt;Temp.png&gt; saved 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	21.83	(-10.77)	350.0	25.19	(-7.41)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.66	(-2.83)	-12.50 k	-40.82	(-1.99)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.00	(-20.00)	-13.80 k	-39.87	(-19.87)	16.85 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
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TX-DNH	4FSK	CH <sub>M1</sub>	<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 #Atten: 40 dB Radio Device: BTS Ref Offset 37 dB Ref 37.0 dBm 10 dB/div Log Absolute Line Spectrum Span 120 kHz Center 406 MHz Total Power Ref 31.26 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>&lt; Peak &gt;</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>31.09</td><td>(-1.66)</td><td>0.0</td><td>31.09</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>-43.32</td><td>(-7.54)</td><td>-12.10 k</td><td>-44.86</td><td>(-8.35)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.82</td><td>(-21.82)</td><td>-12.90 k</td><td>-39.63</td><td>(-19.63)</td><td>12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table> <p>Msg: File &lt;MASK D.state&gt; recalled 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	31.09	(-1.66)	0.0	31.09	(-1.66)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.32	(-7.54)	-12.10 k	-44.86	(-8.35)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.82	(-21.82)	-12.90 k	-39.63	(-19.63)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
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## 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</p> <p>PASS</p> <p>Total Power Ref 33.87 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>&lt; Peak &gt;</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>22.55</td><td>(-10.21)</td><td>-200.0</td><td>25.34</td><td>(7.41) 500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.63</td><td>(-2.94)</td><td>-12.50 k</td><td>-42.23</td><td>(-3.91) 12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.10</td><td>(-20.10)</td><td>-14.95 k</td><td>-39.25</td><td>(-19.25) 12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>--</td></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> <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	22.55	(-10.21)	-200.0	25.34	(7.41) 500.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.63	(-2.94)	-12.50 k	-42.23	(-3.91) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.10	(-20.10)	-14.95 k	-39.25	(-19.25) 12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	--
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TX-DNH	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>PASS</p> <p>Total Power Ref 31.06 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>&lt; Peak &gt;</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>(-1.69)</td><td>0.0</td><td>31.00</td><td>(-1.69) 0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.20</td><td>(4.46)</td><td>-12.50 k</td><td>-45.91</td><td>(7.16) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.97</td><td>(-22.97)</td><td>-12.85 k</td><td>-41.83</td><td>(-21.83) 14.30 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></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> <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	31.00	(-1.69)	0.0	31.00	(-1.69) 0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.20	(4.46)	-12.50 k	-45.91	(7.16) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.97	(-22.97)	-12.85 k	-41.83	(-21.83) 14.30 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-DNH	4FSK	CH <sub>M2</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>PASS</p> <p>Total Power Ref 34.00 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>&lt; Peak &gt;</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>24.33</td><td>(-8.36)</td><td>0.0</td><td>24.48</td><td>(8.22) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.08</td><td>(-5.15)</td><td>-12.25 k</td><td>-44.82</td><td>(-6.44) 12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.94</td><td>(-20.94)</td><td>-14.50 k</td><td>-38.43</td><td>(-18.43) 13.80 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> <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	24.33	(-8.36)	0.0	24.48	(8.22) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.08	(-5.15)	-12.25 k	-44.82	(-6.44) 12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.94	(-20.94)	-14.50 k	-38.43	(-18.43) 13.80 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 <sub>M3</sub>	<table border="1"><caption>Total Power Ref 28.70 dBm 0.0125 MHz</caption><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>&lt; Peak &gt;</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>28.69</td><td>(-1.02)</td><td>0.0</td><td>28.69</td><td>(-1.02)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>44.79</td><td>(-3.79)</td><td>-12.40 k</td><td>43.61</td><td>(-5.15)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>43.58</td><td>(-23.58)</td><td>-18.50 k</td><td>41.65</td><td>(-21.65)</td><td>13.80 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>	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	28.69	(-1.02)	0.0	28.69	(-1.02)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	44.79	(-3.79)	-12.40 k	43.61	(-5.15)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	43.58	(-23.58)	-18.50 k	41.65	(-21.65)	13.80 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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TX-DNH	4FSK	CH <sub>M3</sub>	<table border="1"><caption>Total Power Ref 32.23 dBm 0.0125 MHz</caption><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>&lt; Peak &gt;</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>19.38</td><td>(-10.33)</td><td>100.0</td><td>22.38</td><td>(-7.33)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>42.89</td><td>(-1.16)</td><td>-12.50 k</td><td>43.53</td><td>(-2.89)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>42.85</td><td>(-22.85)</td><td>-14.85 k</td><td>40.70</td><td>(-20.70)</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)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.38	(-10.33)	100.0	22.38	(-7.33)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	42.89	(-1.16)	-12.50 k	43.53	(-2.89)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	42.85	(-22.85)	-14.85 k	40.70	(-20.70)	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 <sub>H1</sub>	<table border="1"><caption>Total Power Ref 29.71 dBm 0.0125 MHz</caption><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>&lt; Peak &gt;</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>29.77</td><td>(-2.06)</td><td>-125.0 k</td><td>-11.74</td><td>(-46.58)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>43.49</td><td>(-5.70)</td><td>-12.25 k</td><td>41.27</td><td>(-1.67)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>43.70</td><td>(-23.70)</td><td>-14.75 k</td><td>43.46</td><td>(-23.46)</td><td>13.20 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)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.77	(-2.06)	-125.0 k	-11.74	(-46.58)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	43.49	(-5.70)	-12.25 k	41.27	(-1.67)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	43.70	(-23.70)	-14.75 k	43.46	(-23.46)	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	--	(--)	--	--	(--)	--
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## 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 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain:Low Trig:Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 37 dB Ref 36.0 dBm</p> <p>Total Power Ref 33.36 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>&lt; Peak &gt;</th><th>Upper ΔLIM(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.28</td><td>(-10.56)</td><td>-350.0</td><td>23.14</td><td>(8.70)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>42.27</td><td>(-3.40)</td><td>-12.40 k</td><td>44.67</td><td>(-5.79)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>41.74</td><td>(-21.74)</td><td>-13.05 k</td><td>40.49</td><td>(-20.49)</td><td>14.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> <p>File &lt;Temp.png&gt; saved 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	21.28	(-10.56)	-350.0	23.14	(8.70)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	42.27	(-3.40)	-12.40 k	44.67	(-5.79)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	41.74	(-21.74)	-13.05 k	40.49	(-20.49)	14.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	(—)	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	(—)	—	—
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TX-DNL	4FSK	CH <sub>L1</sub>	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain:Low Trig:Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 37 dB Ref 35.0 dBm</p> <p>Total Power Ref 29.65 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>&lt; Peak &gt;</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>29.84</td><td>(1.60)</td><td>0.0</td><td>29.84</td><td>(1.60)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.73</td><td>(8.73)</td><td>-12.50 k</td><td>46.12</td><td>(8.66)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>41.20</td><td>(-21.20)</td><td>-13.20 k</td><td>42.09</td><td>(-22.09)</td><td>13.20 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> <p>File &lt;MASK.D.state&gt; recalled 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	29.84	(1.60)	0.0	29.84	(1.60)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	48.73	(8.73)	-12.50 k	46.12	(8.66)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	41.20	(-21.20)	-13.20 k	42.09	(-22.09)	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	—	(—)	—	(—)	—	—
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