

**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. The main plot area shows a signal with a peak power of 31.64 dBm at a center frequency of 469.987500 MHz. The occupied bandwidth is indicated as 8.003 kHz. Other parameters shown include Total Power (34.2 dBm), OBW Power (99.00 %), and x dB Bandwidth (9.853 kHz). The plot has a logarithmic scale (Log) from -58.4 to 21.6 dB.</p> <table border="1"><caption>Test Plot Results</caption><thead><tr><th>Parameter</th><th>Value</th></tr></thead><tbody><tr><td>Center Freq</td><td>469.987500 MHz</td></tr><tr><td>Span</td><td>50 kHz</td></tr><tr><td>Total Power</td><td>34.2 dBm</td></tr><tr><td>OBW Power</td><td>99.00 %</td></tr><tr><td>Occupied Bandwidth</td><td>8.003 kHz</td></tr><tr><td>Transmit Freq Error</td><td>52 Hz</td></tr><tr><td>x dB Bandwidth</td><td>9.853 kHz</td></tr></tbody></table>	Parameter	Value	Center Freq	469.987500 MHz	Span	50 kHz	Total Power	34.2 dBm	OBW Power	99.00 %	Occupied Bandwidth	8.003 kHz	Transmit Freq Error	52 Hz	x dB Bandwidth	9.853 kHz
Parameter	Value																		
Center Freq	469.987500 MHz																		
Span	50 kHz																		
Total Power	34.2 dBm																		
OBW Power	99.00 %																		
Occupied Bandwidth	8.003 kHz																		
Transmit Freq Error	52 Hz																		
x dB Bandwidth	9.853 kHz																		



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	<table border="1"><caption>Total Power Ref 26.00 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>25.58</td><td>(-1.96)</td><td>0.0</td><td>26.06</td><td>(-1.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.42</td><td>(-4.07)</td><td>-12.15 k</td><td>-45.76</td><td>(-3.68)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-48.36</td><td>(-28.36)</td><td>-13.90 k</td><td>-48.55</td><td>(-28.55)</td><td>13.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.58	(-1.96)	0.0	26.06	(-1.49)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-45.42	(-4.07)	-12.15 k	-45.76	(-3.68)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-48.36	(-28.36)	-13.90 k	-48.55	(-28.55)	13.40 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	25.58	(-1.96)	0.0	26.06	(-1.49)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-45.42	(-4.07)	-12.15 k	-45.76	(-3.68)	12.25 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-48.36	(-28.36)	-13.90 k	-48.55	(-28.55)	13.40 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
TX-DNH	4FSK	CH _L	<table border="1"><caption>Total Power Ref 29.67 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>16.73</td><td>(-10.81)</td><td>-1.050 k</td><td>18.21</td><td>(-9.34)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.71</td><td>(-4.82)</td><td>-11.95 k</td><td>-48.77</td><td>(-5.24)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.40</td><td>(-25.40)</td><td>-13.85 k</td><td>-46.42</td><td>(-26.42)</td><td>17.20 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 ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	16.73	(-10.81)	-1.050 k	18.21	(-9.34)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.71	(-4.82)	-11.95 k	-48.77	(-5.24)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.40	(-25.40)	-13.85 k	-46.42	(-26.42)	17.20 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	16.73	(-10.81)	-1.050 k	18.21	(-9.34)	750.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.71	(-4.82)	-11.95 k	-48.77	(-5.24)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-45.40	(-25.40)	-13.85 k	-46.42	(-26.42)	17.20 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	--	(--)	--	--	(--)	--																																																										
TX-DNH	4FSK	CH _M	<table border="1"><caption>Total Power Ref 26.12 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>25.61</td><td>(-2.08)</td><td>0.0</td><td>26.18</td><td>(-1.51)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-49.24</td><td>(-7.67)</td><td>-12.20 k</td><td>-50.03</td><td>(-7.74)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.13</td><td>(-27.13)</td><td>-13.00 k</td><td>-47.65</td><td>(-27.65)</td><td>13.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.61	(-2.08)	0.0	26.18	(-1.51)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-49.24	(-7.67)	-12.20 k	-50.03	(-7.74)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.13	(-27.13)	-13.00 k	-47.65	(-27.65)	13.10 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLm(dB)	Freq (Hz)	< Peak >	Upper ΔLm(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	25.61	(-2.08)	0.0	26.18	(-1.51)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-49.24	(-7.67)	-12.20 k	-50.03	(-7.74)	12.30 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-47.13	(-27.13)	-13.00 k	-47.65	(-27.65)	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	--	(--)	--	--	(--)	--																																																										



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
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 30.00 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>17.06</td><td>(-10.63)</td><td>0.0</td><td>19.99</td><td>(-7.70)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.71</td><td>(-1.97)</td><td>-12.50 k</td><td>-46.88</td><td>(-6.04)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-26.56)</td><td>-12.75 k</td><td>-46.50</td><td>(-26.50)</td><td>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><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>	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	17.06	(-10.63)	0.0	19.99	(-7.70)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.71	(-1.97)	-12.50 k	-46.88	(-6.04)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-46.56	(-26.56)	-12.75 k	-46.50	(-26.50)	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	--	(--)	--	(--)	(--)	--
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	17.06	(-10.63)	0.0	19.99	(-7.70)	750.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-45.71	(-1.97)	-12.50 k	-46.88	(-6.04)	12.10 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-46.56	(-26.56)	-12.75 k	-46.50	(-26.50)	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	--	(--)	--	(--)	(--)	--																																																										
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 26.16 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>23.87</td><td>(3.77)</td><td>0.0</td><td>26.15</td><td>(-1.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-51.17</td><td>(8.83)</td><td>-12.30 k</td><td>51.39</td><td>(8.32)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.91</td><td>(-25.91)</td><td>-12.85 k</td><td>-45.56</td><td>(-25.56)</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 <MASK D.state> recalled</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	23.87	(3.77)	0.0	26.15	(-1.49)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-51.17	(8.83)	-12.30 k	51.39	(8.32)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.91	(-25.91)	-12.85 k	-45.56	(-25.56)	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	--	(--)	--	(--)	(--)	--
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	23.87	(3.77)	0.0	26.15	(-1.49)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-51.17	(8.83)	-12.30 k	51.39	(8.32)	12.40 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-45.91	(-25.91)	-12.85 k	-45.56	(-25.56)	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	--	(--)	--	(--)	(--)	--																																																										
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 29.77 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>16.10</td><td>(-11.55)</td><td>-500.0</td><td>17.55</td><td>(-10.09)</td><td>1.100 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-3.86)</td><td>-12.35 k</td><td>-45.52</td><td>(-2.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.01</td><td>(-27.01)</td><td>-12.60 k</td><td>-45.70</td><td>(-25.70)</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>MSG: File <Temp.png> saved</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	16.10	(-11.55)	-500.0	17.55	(-10.09)	1.100 k	5.625 kHz	12.50 kHz	100.0 Hz	-46.56	(-3.86)	-12.35 k	-45.52	(-2.46)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-47.01	(-27.01)	-12.60 k	-45.70	(-25.70)	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	--	(--)	--	(--)	(--)	--
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	16.10	(-11.55)	-500.0	17.55	(-10.09)	1.100 k																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-46.56	(-3.86)	-12.35 k	-45.52	(-2.46)	12.40 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-47.01	(-27.01)	-12.60 k	-45.70	(-25.70)	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	--	(--)	--	(--)	(--)	--																																																										



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNL	4FSK	CH _L	<table border="1"><caption>Total Power Ref 13.92 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</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>13.53</td><td>(-2.07)</td><td>0.0</td><td>13.98</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>-55.85</td><td>(-8.37)</td><td>-11.35 k</td><td>-62.19</td><td>(-6.35) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-60.16</td><td>(-40.16)</td><td>-13.90 k</td><td>-60.12</td><td>(-40.12) 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></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	13.53	(-2.07)	0.0	13.98	(-1.62) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-55.85	(-8.37)	-11.35 k	-62.19	(-6.35) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-60.16	(-40.16)	-13.90 k	-60.12	(-40.12) 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	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	13.53	(-2.07)	0.0	13.98	(-1.62) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-55.85	(-8.37)	-11.35 k	-62.19	(-6.35) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-60.16	(-40.16)	-13.90 k	-60.12	(-40.12) 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	--	(--)	--	--	(--) --																																																				
TX-DNL	4FSK	CH _L	<table border="1"><caption>Total Power Ref 16.90 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</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>2.866</td><td>(-12.73)</td><td>50.00</td><td>5.778</td><td>(-9.82) 150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-58.70</td><td>(-3.23)</td><td>-12.45 k</td><td>59.02</td><td>(-3.18) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-59.10</td><td>(-39.10)</td><td>-13.05 k</td><td>57.44</td><td>(-37.44) 12.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	2.866	(-12.73)	50.00	5.778	(-9.82) 150.0	5.625 kHz	12.50 kHz	100.0 Hz	-58.70	(-3.23)	-12.45 k	59.02	(-3.18) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-59.10	(-39.10)	-13.05 k	57.44	(-37.44) 12.90 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	2.866	(-12.73)	50.00	5.778	(-9.82) 150.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-58.70	(-3.23)	-12.45 k	59.02	(-3.18) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-59.10	(-39.10)	-13.05 k	57.44	(-37.44) 12.90 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
TX-DNL	4FSK	CH _M	<table border="1"><caption>Total Power Ref 13.52 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEtm</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>13.04</td><td>(-2.21)</td><td>0.0</td><td>13.58</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>-64.58</td><td>(-8.39)</td><td>-12.50 k</td><td>-62.48</td><td>(-6.29) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.51</td><td>(-33.51)</td><td>-30.30 k</td><td>-52.09</td><td>(-32.09) 30.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	13.04	(-2.21)	0.0	13.58	(-1.67) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-64.58	(-8.39)	-12.50 k	-62.48	(-6.29) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-53.51	(-33.51)	-30.30 k	-52.09	(-32.09) 30.40 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	13.04	(-2.21)	0.0	13.58	(-1.67) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-64.58	(-8.39)	-12.50 k	-62.48	(-6.29) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-53.51	(-33.51)	-30.30 k	-52.09	(-32.09) 30.40 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				



Appendix C:Emission Mask For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.012500 MHz</p> <p>Total Power Ref 16.50 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>3.054</td><td>(-12.19)</td><td>-600.0</td><td>7.423</td><td>(7.83)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>59.58</td><td>(-4.12)</td><td>-1240.0</td><td>59.86</td><td>(4.04)</td><td>1245.0</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>58.73</td><td>(-38.73)</td><td>-1670.0</td><td>57.17</td><td>(-37.17)</td><td>1430.0</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	3.054	(-12.19)	-600.0	7.423	(7.83)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	59.58	(-4.12)	-1240.0	59.86	(4.04)	1245.0	12.50 kHz	60.00 kHz	100.0 Hz	58.73	(-38.73)	-1670.0	57.17	(-37.17)	1430.0	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)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	3.054	(-12.19)	-600.0	7.423	(7.83)	700.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	59.58	(-4.12)	-1240.0	59.86	(4.04)	1245.0																																																										
12.50 kHz	60.00 kHz	100.0 Hz	58.73	(-38.73)	-1670.0	57.17	(-37.17)	1430.0																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										
TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>Total Power Ref 13.84 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>11.71</td><td>(3.74)</td><td>0.0</td><td>13.84</td><td>(1.61)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>59.50</td><td>(9.70)</td><td>-1165.0</td><td>60.16</td><td>(9.27)</td><td>1180.0</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>59.57</td><td>(-39.57)</td><td>-1350.0</td><td>57.85</td><td>(-37.85)</td><td>30.35 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	11.71	(3.74)	0.0	13.84	(1.61)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	59.50	(9.70)	-1165.0	60.16	(9.27)	1180.0	12.50 kHz	60.00 kHz	100.0 Hz	59.57	(-39.57)	-1350.0	57.85	(-37.85)	30.35 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	dEIRP	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	11.71	(3.74)	0.0	13.84	(1.61)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	59.50	(9.70)	-1165.0	60.16	(9.27)	1180.0																																																										
12.50 kHz	60.00 kHz	100.0 Hz	59.57	(-39.57)	-1350.0	57.85	(-37.85)	30.35 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	—	(—)	—	(—)	(—)	—																																																										
TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.987500 MHz</p> <p>Total Power Ref 17.43 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>4.377</td><td>(-11.08)</td><td>-450.0</td><td>5.682</td><td>(9.77)</td><td>400.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>56.62</td><td>(-4.64)</td><td>-1195.0</td><td>60.47</td><td>(4.48)</td><td>125.0 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>59.09</td><td>(-39.09)</td><td>-1360.0</td><td>58.33</td><td>(-38.33)</td><td>1545.0</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	4.377	(-11.08)	-450.0	5.682	(9.77)	400.0	5.625 kHz	12.50 kHz	100.0 Hz	56.62	(-4.64)	-1195.0	60.47	(4.48)	125.0 k	12.50 kHz	60.00 kHz	100.0 Hz	59.09	(-39.09)	-1360.0	58.33	(-38.33)	1545.0	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)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	4.377	(-11.08)	-450.0	5.682	(9.77)	400.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	56.62	(-4.64)	-1195.0	60.47	(4.48)	125.0 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	59.09	(-39.09)	-1360.0	58.33	(-38.33)	1545.0																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	(—)	(—)	—																																																										

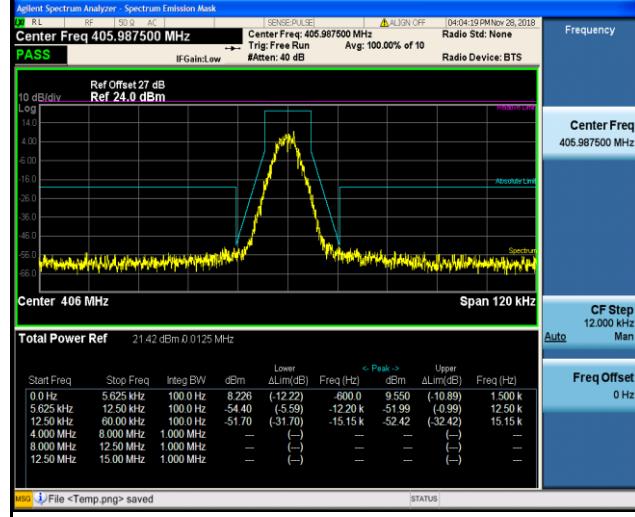
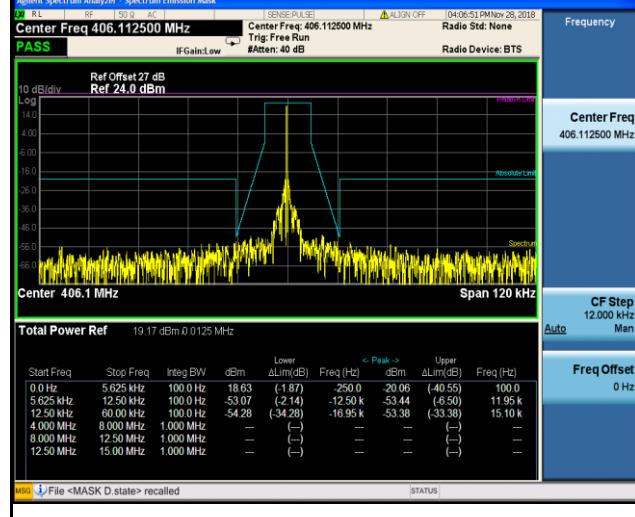
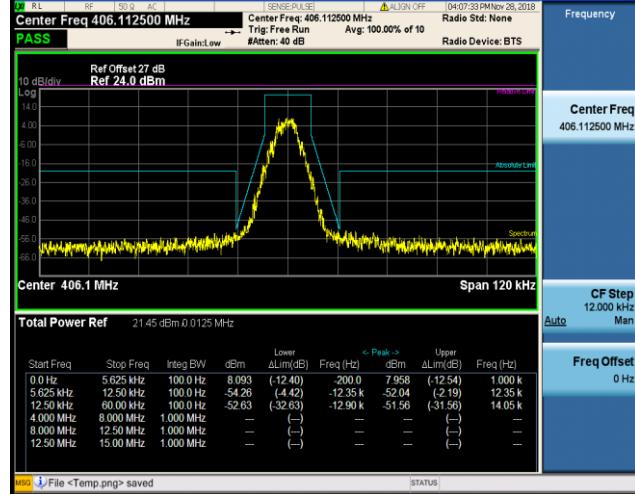


Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Ref Offset 37 dB Ref 37.0 dBm Total Power Ref 31.37 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEIR Lower ΔLIM(dB) Peak Freq(dB) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 31.19 (-1.62) 0.0 31.19 (-1.62) 0.0 5.625 kHz 12.50 kHz 100.0 Hz 40.65 (-3.47) -12.30 k -42.37 (4.83) 12.35 k 12.50 kHz 60.00 kHz 100.0 Hz -43.13 (-23.13) -15.95 k -42.16 (-22.16) 19.10 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 -- (-) -- -- -- (--) --</p>
TX-DNH	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Ref Offset 37 dB Ref 37.0 dBm Total Power Ref 34.33 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEIR Lower ΔLIM(dB) Peak Freq(dB) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 24.22 (8.59) 200.0 23.03 (-9.77) 0.0 5.625 kHz 12.50 kHz 100.0 Hz 39.43 (2.62) -12.25 k 39.52 (3.08) 12.20 k 12.50 kHz 60.00 kHz 100.0 Hz -40.47 (-20.47) -14.85 k -39.44 (-19.44) 13.85 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 -- (-) -- -- -- (--) --</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Ref Offset 27 dB Ref 24.0 dBm Total Power Ref 18.66 dBm 0.0125 MHz Start Freq Stop Freq Integ BW dEIR Lower ΔLIM(dB) Peak Freq(dB) Upper ΔLIM(dB) Freq(Hz) 0.0 Hz 5.625 kHz 100.0 Hz 18.61 (-1.84) -250.0 -24.57 (-45.02) 100.0 5.625 kHz 12.50 kHz 100.0 Hz -53.83 (-5.75) -12.10 k -57.31 (-7.77) 12.30 k 12.50 kHz 60.00 kHz 100.0 Hz -52.62 (-32.62) -12.80 k -54.16 (-34.16) 21.80 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 -- (-) -- -- -- (--) --</p>

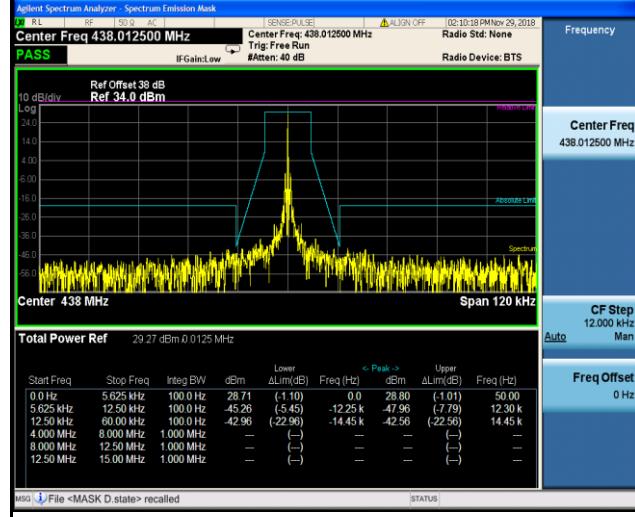
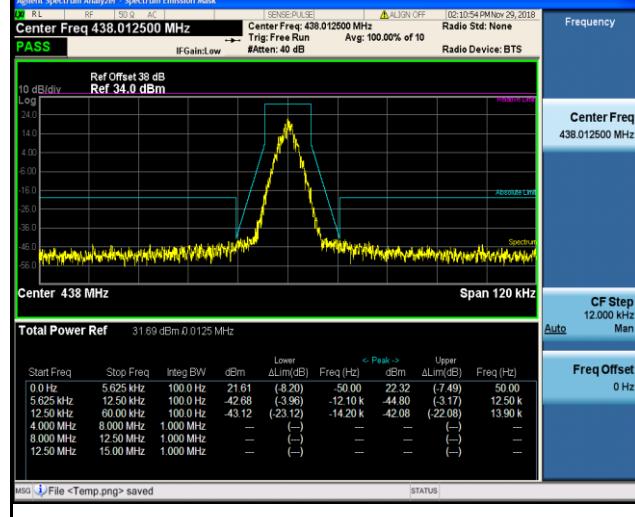
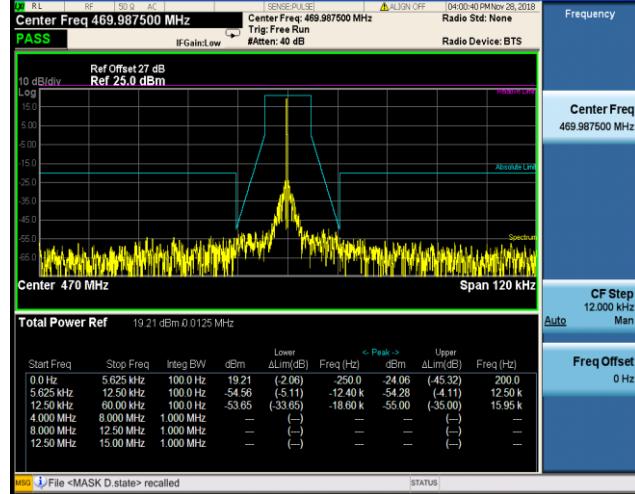


Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>PASS</p> <p>Total Power Ref 21.42 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>< 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>8.226</td><td>(-12.22)</td><td>-600.0</td><td>9.550</td><td>(-10.89)</td><td>1.500 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>54.40</td><td>(-5.59)</td><td>-12.20 k</td><td>51.99</td><td>(-0.99)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>51.70</td><td>(-31.70)</td><td>-15.15 k</td><td>52.42</td><td>(-32.42)</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> <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	8.226	(-12.22)	-600.0	9.550	(-10.89)	1.500 k	5.625 kHz	12.50 kHz	100.0 Hz	54.40	(-5.59)	-12.20 k	51.99	(-0.99)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	51.70	(-31.70)	-15.15 k	52.42	(-32.42)	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	--	(--)	--	--	(--)	--
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	8.226	(-12.22)	-600.0	9.550	(-10.89)	1.500 k																																																										
5.625 kHz	12.50 kHz	100.0 Hz	54.40	(-5.59)	-12.20 k	51.99	(-0.99)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	51.70	(-31.70)	-15.15 k	52.42	(-32.42)	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	--	(--)	--	--	(--)	--																																																										
TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>PASS</p> <p>Total Power Ref 19.17 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>< 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>18.63</td><td>(-1.87)</td><td>250.0</td><td>20.06</td><td>(-40.55)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>53.07</td><td>(-2.14)</td><td>-12.50 k</td><td>53.44</td><td>(-6.50)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>54.28</td><td>(-34.28)</td><td>-16.95 k</td><td>53.39</td><td>(-33.38)</td><td>15.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table> <p>File <MASK.D.state> 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	18.63	(-1.87)	250.0	20.06	(-40.55)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	53.07	(-2.14)	-12.50 k	53.44	(-6.50)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	54.28	(-34.28)	-16.95 k	53.39	(-33.38)	15.10 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	18.63	(-1.87)	250.0	20.06	(-40.55)	100.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	53.07	(-2.14)	-12.50 k	53.44	(-6.50)	11.95 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	54.28	(-34.28)	-16.95 k	53.39	(-33.38)	15.10 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--																																																										
TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>PASS</p> <p>Total Power Ref 21.45 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>< 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>8.093</td><td>(-12.40)</td><td>-200.0</td><td>7.958</td><td>(-12.54)</td><td>1.000 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>54.26</td><td>(-4.42)</td><td>-12.35 k</td><td>52.04</td><td>(-2.19)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>52.63</td><td>(-32.63)</td><td>-12.90 k</td><td>51.56</td><td>(-31.56)</td><td>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><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> <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	8.093	(-12.40)	-200.0	7.958	(-12.54)	1.000 k	5.625 kHz	12.50 kHz	100.0 Hz	54.26	(-4.42)	-12.35 k	52.04	(-2.19)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	52.63	(-32.63)	-12.90 k	51.56	(-31.56)	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	--	(--)	--	--	(--)	--
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	8.093	(-12.40)	-200.0	7.958	(-12.54)	1.000 k																																																										
5.625 kHz	12.50 kHz	100.0 Hz	54.26	(-4.42)	-12.35 k	52.04	(-2.19)	12.35 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	52.63	(-32.63)	-12.90 k	51.56	(-31.56)	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	--	(--)	--	--	(--)	--																																																										



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNH	4FSK	CH _{M3}	 <table border="1"><caption>Total Power Ref</caption><tr><td>Start Freq</td><td>Stop Freq</td><td>Integ BW</td><td>dBm</td><td>Lower ΔLIM(dB)</td><td>< Peak ></td><td>Upper ΔLIM(dB)</td><td>Freq (Hz)</td></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.71</td><td>(-1.10)</td><td>0.0</td><td>28.80</td><td>(-1.01) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.26</td><td>(-5.45)</td><td>-12.25 k</td><td>-47.96</td><td>(-7.79) 12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.96</td><td>(-22.96)</td><td>-14.45 k</td><td>-42.56</td><td>(-22.56) 14.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></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></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.71	(-1.10)	0.0	28.80	(-1.01) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-45.26	(-5.45)	-12.25 k	-47.96	(-7.79) 12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.96	(-22.96)	-14.45 k	-42.56	(-22.56) 14.45 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	28.71	(-1.10)	0.0	28.80	(-1.01) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-45.26	(-5.45)	-12.25 k	-47.96	(-7.79) 12.30 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-42.96	(-22.96)	-14.45 k	-42.56	(-22.56) 14.45 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
TX-DNH	4FSK	CH _{M3}	 <table border="1"><caption>Total Power Ref</caption><tr><td>Start Freq</td><td>Stop Freq</td><td>Integ BW</td><td>dBm</td><td>Lower ΔLIM(dB)</td><td>< Peak ></td><td>Upper ΔLIM(dB)</td><td>Freq (Hz)</td></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.61</td><td>(8.20)</td><td>50.00</td><td>22.32</td><td>(7.49) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.68</td><td>(-3.96)</td><td>-12.10 k</td><td>-44.80</td><td>(-3.17) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.12</td><td>(-23.12)</td><td>-14.20 k</td><td>-42.08</td><td>(-22.08) 13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></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></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.61	(8.20)	50.00	22.32	(7.49) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.68	(-3.96)	-12.10 k	-44.80	(-3.17) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.12	(-23.12)	-14.20 k	-42.08	(-22.08) 13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	21.61	(8.20)	50.00	22.32	(7.49) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-42.68	(-3.96)	-12.10 k	-44.80	(-3.17) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-43.12	(-23.12)	-14.20 k	-42.08	(-22.08) 13.90 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
TX-DNH	4FSK	CH _{H1}	 <table border="1"><caption>Total Power Ref</caption><tr><td>Start Freq</td><td>Stop Freq</td><td>Integ BW</td><td>dBm</td><td>Lower ΔLIM(dB)</td><td>< Peak ></td><td>Upper ΔLIM(dB)</td><td>Freq (Hz)</td></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>19.21</td><td>(-2.06)</td><td>-250.0</td><td>-24.06</td><td>(-45.32) 200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-54.56</td><td>(-5.11)</td><td>-124.0 k</td><td>-54.28</td><td>(-4.11) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.65</td><td>(-33.65)</td><td>-18.60 k</td><td>-55.00</td><td>(-35.00) 15.95 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></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.21	(-2.06)	-250.0	-24.06	(-45.32) 200.0	5.625 kHz	12.50 kHz	100.0 Hz	-54.56	(-5.11)	-124.0 k	-54.28	(-4.11) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-53.65	(-33.65)	-18.60 k	-55.00	(-35.00) 15.95 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	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	19.21	(-2.06)	-250.0	-24.06	(-45.32) 200.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	-54.56	(-5.11)	-124.0 k	-54.28	(-4.11) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	-53.65	(-33.65)	-18.60 k	-55.00	(-35.00) 15.95 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	--	(--)	--	--	(--) --																																																				



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 25.0 dBm 10 dB/div Log Absolute Line Spectrum Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 23.40 dBm 0.0125 MHz 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 9.287 (-11.98) -300.0 11.45 (9.81) 1.050 k 5.625 kHz 12.50 kHz 100.0 Hz 50.98 (-2.26) -12.30 k -49.91 (-0.46) 12.40 k 12.50 kHz 60.00 kHz 100.0 Hz 50.06 (-30.06) -20.35 k -50.15 (-30.15) 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 -- (--) -- -- (--) -- MSG: 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 37 dB Ref 36.0 dBm 10 dB/div Log Absolute Line Spectrum Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 30.10 dBm 0.0125 MHz 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 29.84 (-1.81) 0.0 30.04 (-1.61) 50.00 5.625 kHz 12.50 kHz 100.0 Hz 43.56 (7.41) -12.00 k -42.51 (-7.81) 11.80 k 12.50 kHz 60.00 kHz 100.0 Hz 41.88 (-21.88) -14.15 k -41.57 (-21.57) 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: 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 37 dB Ref 36.0 dBm 10 dB/div Log Absolute Line Spectrum Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz Span 120 kHz Total Power Ref 33.18 dBm 0.0125 MHz 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 19.66 (-11.99) -150.0 23.87 (-7.78) 450.0 5.625 kHz 12.50 kHz 100.0 Hz 42.04 (-3.70) -12.30 k -41.49 (-2.43) 12.40 k 12.50 kHz 60.00 kHz 100.0 Hz 42.51 (-22.51) -15.20 k -41.95 (-21.95) 13.65 k 4.000 MHz 8.000 MHz 1.000 MHz -- (--) -- -- (--) -- 8.000 MHz 12.50 MHz 1.000 MHz -- (--) -- -- (--) -- 12.50 MHz 15.00 MHz 1.000 MHz -- (--) -- -- (--) -- MSG: File <Temp.png> saved STATUS:</p>



Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-DNL	4FSK	CH _{M1}	<table border="1"><caption>Total Power Ref 29.59 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>29.13</td><td>(-1.69)</td><td>0.0</td><td>29.13</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>44.74</td><td>(-4.85)</td><td>-12.40 k</td><td>-43.71</td><td>(-4.55) 12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>42.58</td><td>(-22.58)</td><td>-15.15 k</td><td>-43.44</td><td>(-23.44) 14.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.13	(-1.69)	0.0	29.13	(-1.69) 0.0	5.625 kHz	12.50 kHz	100.0 Hz	44.74	(-4.85)	-12.40 k	-43.71	(-4.55) 12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	42.58	(-22.58)	-15.15 k	-43.44	(-23.44) 14.35 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
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	29.13	(-1.69)	0.0	29.13	(-1.69) 0.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	44.74	(-4.85)	-12.40 k	-43.71	(-4.55) 12.30 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	42.58	(-22.58)	-15.15 k	-43.44	(-23.44) 14.35 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
TX-DNL	4FSK	CH _{M1}	<table border="1"><caption>Total Power Ref 32.00 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>20.03</td><td>(-10.79)</td><td>600.0</td><td>24.39</td><td>(6.44) 500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>41.83</td><td>(-1.94)</td><td>-12.40 k</td><td>-45.60</td><td>(-4.99) 12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>42.24</td><td>(-22.24)</td><td>-13.50 k</td><td>-41.87</td><td>(-21.87) 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></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.03	(-10.79)	600.0	24.39	(6.44) 500.0	5.625 kHz	12.50 kHz	100.0 Hz	41.83	(-1.94)	-12.40 k	-45.60	(-4.99) 12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	42.24	(-22.24)	-13.50 k	-41.87	(-21.87) 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	--	(--)	--	--	(--) --
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	20.03	(-10.79)	600.0	24.39	(6.44) 500.0																																																				
5.625 kHz	12.50 kHz	100.0 Hz	41.83	(-1.94)	-12.40 k	-45.60	(-4.99) 12.50 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	42.24	(-22.24)	-13.50 k	-41.87	(-21.87) 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	--	(--)	--	--	(--) --																																																				
TX-DNL	4FSK	CH _{M2}	<table border="1"><caption>Total Power Ref 29.49 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>28.99</td><td>(-1.75)</td><td>0.0</td><td>29.02</td><td>(-1.72) 50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>43.60</td><td>(-5.45)</td><td>-12.15 k</td><td>-45.08</td><td>(-6.93) 12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>42.72</td><td>(-22.72)</td><td>-12.60 k</td><td>-42.10</td><td>(-22.10) 14.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--) --</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.99	(-1.75)	0.0	29.02	(-1.72) 50.00	5.625 kHz	12.50 kHz	100.0 Hz	43.60	(-5.45)	-12.15 k	-45.08	(-6.93) 12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	42.72	(-22.72)	-12.60 k	-42.10	(-22.10) 14.45 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --
Start Freq	Stop Freq	Integ BW	dEIRP	Lower ΔLIM(dB)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																				
0.0 Hz	5.625 kHz	100.0 Hz	28.99	(-1.75)	0.0	29.02	(-1.72) 50.00																																																				
5.625 kHz	12.50 kHz	100.0 Hz	43.60	(-5.45)	-12.15 k	-45.08	(-6.93) 12.15 k																																																				
12.50 kHz	60.00 kHz	100.0 Hz	42.72	(-22.72)	-12.60 k	-42.10	(-22.10) 14.45 k																																																				
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--) --																																																				

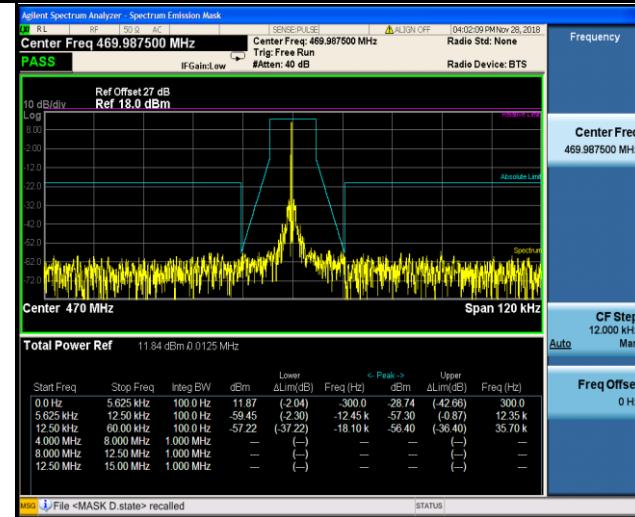
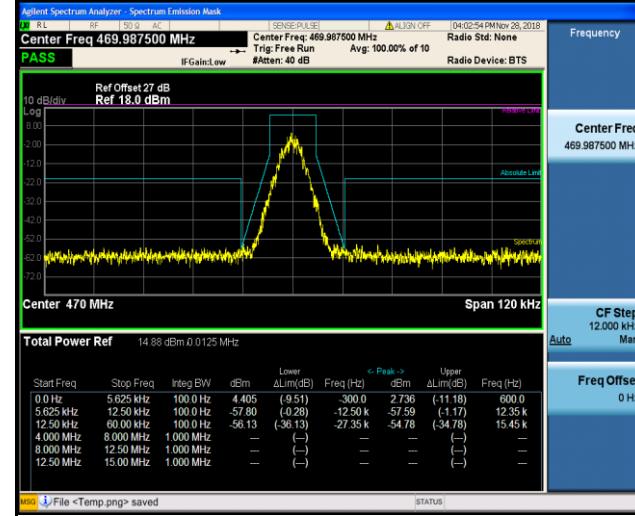


Appendix C:Emission Mask For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>PASS</p> <p>Total Power Ref 31.56 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>< 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>21.37</td><td>(-9.37)</td><td>-150.0</td><td>21.43</td><td>(9.31)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>42.83</td><td>(-3.59)</td><td>-12.50 k</td><td>43.35</td><td>(-2.66)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>42.06</td><td>(-22.06)</td><td>-13.50 k</td><td>42.50</td><td>(-22.50)</td><td>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><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	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.37	(-9.37)	-150.0	21.43	(9.31)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	42.83	(-3.59)	-12.50 k	43.35	(-2.66)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	42.06	(-22.06)	-13.50 k	42.50	(-22.50)	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	—	(—)	—	—	(—)	—
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	21.37	(-9.37)	-150.0	21.43	(9.31)	450.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	42.83	(-3.59)	-12.50 k	43.35	(-2.66)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	42.06	(-22.06)	-13.50 k	42.50	(-22.50)	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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 19.31 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>< 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>19.21</td><td>(0.34)</td><td>350.0</td><td>19.01</td><td>(-38.56)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>53.24</td><td>(1.35)</td><td>-12.50 k</td><td>54.11</td><td>(-4.77)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>52.68</td><td>(-32.68)</td><td>-14.40 k</td><td>53.96</td><td>(-33.96)</td><td>13.95 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 <MASK D.state> 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	19.21	(0.34)	350.0	19.01	(-38.56)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	53.24	(1.35)	-12.50 k	54.11	(-4.77)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	52.68	(-32.68)	-14.40 k	53.96	(-33.96)	13.95 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	—	(—)	—	—	(—)	—
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	19.21	(0.34)	350.0	19.01	(-38.56)	100.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	53.24	(1.35)	-12.50 k	54.11	(-4.77)	12.15 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	52.68	(-32.68)	-14.40 k	53.96	(-33.96)	13.95 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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>PASS</p> <p>Total Power Ref 21.99 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>< 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>8.974</td><td>(-10.58)</td><td>-700.0</td><td>8.521</td><td>(-11.03)</td><td>350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>53.61</td><td>(-2.09)</td><td>-12.45 k</td><td>54.72</td><td>(-3.20)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>51.85</td><td>(-31.85)</td><td>-13.95 k</td><td>52.00</td><td>(-32.00)</td><td>13.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> <p>MSG: File <Temp.png> 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	8.974	(-10.58)	-700.0	8.521	(-11.03)	350.0	5.625 kHz	12.50 kHz	100.0 Hz	53.61	(-2.09)	-12.45 k	54.72	(-3.20)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	51.85	(-31.85)	-13.95 k	52.00	(-32.00)	13.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dEtm	Lower ΔLIM(dB)	Freq (Hz)	< Peak >	Upper ΔLIM(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	8.974	(-10.58)	-700.0	8.521	(-11.03)	350.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	53.61	(-2.09)	-12.45 k	54.72	(-3.20)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	51.85	(-31.85)	-13.95 k	52.00	(-32.00)	13.75 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										



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>IF Gain:Low #Atten: 40 dB Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 469.987500 MHz</p> <p>CF Step 12.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Total Power Ref 11.84 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak Freq (Hz)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>11.87</td><td>(-2.04)</td><td>-300.0</td><td>(-42.66)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>59.45</td><td>(-2.30)</td><td>-12.45 k</td><td>57.30</td><td>(-0.87)</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-57.22</td><td>(-37.22)</td><td>-18.10 k</td><td>56.40</td><td>(-36.40)</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	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	11.87	(-2.04)	-300.0	(-42.66)	300.0	5.625 kHz	12.50 kHz	100.0 Hz	59.45	(-2.30)	-12.45 k	57.30	(-0.87)	12.50 kHz	60.00 kHz	100.0 Hz	-57.22	(-37.22)	-18.10 k	56.40	(-36.40)	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	--						
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	11.87	(-2.04)	-300.0	(-42.66)	300.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	59.45	(-2.30)	-12.45 k	57.30	(-0.87)																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-57.22	(-37.22)	-18.10 k	56.40	(-36.40)																																																										
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	--																																																										
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	--																																																										
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	--																																																										
TX-DNL	4FSK	CH _{H1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>PASS</p> <p>IF Gain:Low #Atten: 40 dB Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 469.987500 MHz</p> <p>CF Step 12.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Total Power Ref 14.88 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak Freq (Hz)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>4.405</td><td>(9.51)</td><td>300.0</td><td>2.736</td><td>(-11.18)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>57.80</td><td>(0.28)</td><td>-12.50 k</td><td>57.59</td><td>(-1.17)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-56.13</td><td>(-36.13)</td><td>-27.35 k</td><td>54.78</td><td>(-34.78)</td><td>15.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>--</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>--</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>--</td><td>--</td></tr></tbody></table> <p>Msg: File <Temp.png> saved STATUS</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	4.405	(9.51)	300.0	2.736	(-11.18)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	57.80	(0.28)	-12.50 k	57.59	(-1.17)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-56.13	(-36.13)	-27.35 k	54.78	(-34.78)	15.45 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	--	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	--	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	--	--
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	4.405	(9.51)	300.0	2.736	(-11.18)	600.0																																																									
5.625 kHz	12.50 kHz	100.0 Hz	57.80	(0.28)	-12.50 k	57.59	(-1.17)	12.35 k																																																									
12.50 kHz	60.00 kHz	100.0 Hz	-56.13	(-36.13)	-27.35 k	54.78	(-34.78)	15.45 k																																																									
4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	(--)	--	--																																																									
8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	(--)	--	--																																																									
12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	(--)	--	--																																																									

**Appendix F:Frequency Stability Test & Temperature For VHF Band**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-DNH	4FSK	V _N	-30	-0.106	-0.128	-0.130	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.106	-0.094	-0.122	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.094	-0.106	-0.108	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.106	-0.115	-0.099	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.064	-0.077	-0.083	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.063	-0.073	-0.080	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.076	-0.102	-0.120	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.092	-0.128	-0.113	±5.0	PASS
TX-DNH	4FSK	V _N	55	-0.101	-0.096	-0.127	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.097	-0.160	-0.135	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.095	-0.117	-0.142	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.108	-0.121	-0.136	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.077	-0.092	-0.109	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.073	-0.081	-0.096	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.069	-0.081	-0.092	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.073	-0.083	-0.098	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.096	-0.126	-0.153	±5.0	PASS
TX-DNL	4FSK	V _N	55	-0.115	-0.122	-0.157	±5.0	PASS

**Appendix F:Frequency Stability Test & Temperature For UHF Band**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _{L1}	CH _{M1}	CH _{M2}	CH _{M3}	CH _{H1}		
TX-DNH	4FSK	V _N	-30	-0.067	-0.079	-0.071	-0.036	-0.060	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.067	-0.067	-0.059	-0.034	-0.056	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.054	-0.061	-0.056	-0.029	-0.047	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.058	-0.054	-0.050	-0.030	-0.049	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.035	-0.034	-0.032	-0.018	-0.029	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.033	-0.032	-0.030	-0.017	-0.027	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.054	-0.056	-0.059	-0.029	-0.049	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.057	-0.052	-0.048	-0.028	-0.052	±5.0	PASS
TX-DNH	4FSK	V _N	55	-0.062	-0.061	-0.055	-0.031	-0.054	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.098	-0.094	-0.083	-0.045	-0.097	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.105	-0.081	-0.081	-0.042	-0.092	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.100	-0.086	-0.084	-0.041	-0.094	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.092	-0.073	-0.087	-0.044	-0.082	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.053	-0.047	-0.048	-0.025	-0.053	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.053	-0.047	-0.044	-0.024	-0.051	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.101	-0.078	-0.084	-0.041	-0.096	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.090	-0.078	-0.070	-0.042	-0.084	±5.0	PASS
TX-DNL	4FSK	V _N	55	-0.098	-0.089	-0.083	-0.044	-0.092	±5.0	PASS

**Appendix G:Frequency Stability Test & Voltage For VHF Band**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-DNH	4FSK	V _N	T _N	-0.063	-0.073	-0.080	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.074	-0.081	-0.091	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.076	-0.077	-0.084	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.069	-0.081	-0.092	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.079	-0.094	-0.106	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.076	-0.090	-0.108	±5.0	PASS

**Appendix G:Frequency Stability Test & Voltage For UHF Band**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _{L1}	CH _{M1}	CH _{M2}	CH _{M3}	CH _{H1}		
TX-DNH	4FSK	V _N	T _N	-0.033	-0.032	-0.030	-0.017	-0.027	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.062	-0.050	-0.057	-0.027	-0.048	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.064	-0.051	-0.059	-0.028	-0.049	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.053	-0.047	-0.044	-0.024	-0.051	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.085	-0.071	-0.084	-0.038	-0.093	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.076	-0.063	-0.056	-0.029	-0.070	±5.0	PASS



Appendix H:Transmitter Frequency Behavior For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	<p>MultiView <input checked="" type="checkbox"/> Spectrum <input type="checkbox"/> Analog Demod <input type="checkbox"/></p> <p>Ref Level 38.00 dBm Offset 20.50 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 155.0125 MHz</p> <p>TRIG:IF(F(17MHz)) TG Bypass</p> <p>1 FM Time Domain IAP Clrw DC Ref:0.00 Hz</p> <p>12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz</p> <p>CF 155.0125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 27.56 dBm Carrier Offset -71.33 Hz Mod. Freq. *** SINAD *** THD ***</p> <p>+Peak -Peak +Peak/2 RMS FM 21.735 kHz -19.276 kHz 20.506 kHz 2.7987 kHz 29.10.2018 15:40:52</p> <p>Analog Demod: Waiting for Trigger... Measuring... 29.10.2018 15:40:52</p> <p>Date: 29.OCT.2018 15:40:52</p>
TX-DNH	4FSK	CH _M	<p>MultiView <input checked="" type="checkbox"/> Spectrum <input type="checkbox"/> Analog Demod <input type="checkbox"/></p> <p>Ref Level 38.00 dBm Offset 20.50 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 155.0125 MHz</p> <p>TRIG:IF(F(17MHz)) TG Bypass</p> <p>1 FM Time Domain IAP Clrw DC Ref:0.00 Hz</p> <p>12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz</p> <p>CF 155.0125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 27.59 dBm Carrier Offset -74.68 Hz Mod. Freq. *** SINAD *** THD ***</p> <p>+Peak -Peak +Peak/2 RMS FM 21.1 kHz -12.183 kHz 16.642 kHz 2.7992 kHz 29.10.2018 15:41:29</p> <p>Analog Demod: Waiting for Trigger... Measuring... 29.10.2018 15:41:29</p> <p>Date: 29.OCT.2018 15:41:29</p>



Appendix H:Transmitter Frequency Behavior For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT														
TX-DNH	4FSK	CH _{M2}	<p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 28.96 dBm Carrier Offset 27.21 Hz</p> <table border="1"><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>12.476 kHz</td><td>-12.754 kHz</td><td>12.615 kHz</td><td>2.7379 kHz</td><td>***</td><td>***</td></tr></table> <p>Date: 29.OCT.2018 15:19:37</p> <p>Analog Demod: Waiting for Trigger... Measuring... 29.10.2018 15:19:37</p>	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	12.476 kHz	-12.754 kHz	12.615 kHz	2.7379 kHz	***	***
+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD											
FM	12.476 kHz	-12.754 kHz	12.615 kHz	2.7379 kHz	***	***											
TX-DNH	4FSK	CH _{M2}	<p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 28.88 dBm Carrier Offset 32.53 Hz</p> <table border="1"><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>17.201 kHz</td><td>-12.247 kHz</td><td>14.724 kHz</td><td>2.8094 kHz</td><td>***</td><td>***</td></tr></table> <p>Date: 29.OCT.2018 15:21:07</p> <p>Analog Demod: Waiting for Trigger... Measuring... 29.10.2018 15:21:06</p>	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	17.201 kHz	-12.247 kHz	14.724 kHz	2.8094 kHz	***	***
+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD											
FM	17.201 kHz	-12.247 kHz	14.724 kHz	2.8094 kHz	***	***											



Appendix I:Spurious Emission On Antenna Port For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNH	4FSK	CH _L	 Mkr3 272.50 MHz -60.701 dBm	Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz
TX-DNH	4FSK	CH _L	 Mkr1 1.0277 GHz -56.318 dBm	Frequency Auto Tune Center Freq 1.180062500 GHz Start Freq 1.000000000 GHz Stop Freq 1.360125000 GHz CF Step 36.012500 MHz Auto Man Freq Offset 0 Hz
TX-DNH	4FSK	CH _M	 Mkr3 399.57 MHz -64.531 dBm	Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz



Appendix I:Spurious Emission On Antenna Port For VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNH	4FSK	CH _M	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 1.275062500 GHz Start Freq 1.000000000 GHz Stop Freq 1.550125000 GHz Ref Offset 19 dB Ref 0.00 dBm Start 1.0000 GHz Stop 1.5501 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) Mkr1 1.2905 GHz -55.901 dBm</p>	Frequency Auto Tune Center Freq 1.275062500 GHz Start Freq 1.000000000 GHz Stop Freq 1.550125000 GHz CF Step 55.012500 MHz Auto Man Freq Offset 0 Hz
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.00000 GHz Ref Offset 19 dB Ref 0.00 dBm Start 30.000 MHz Stop 1.00000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Mkr3 976.72 MHz -63.563 dBm</p>	Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 1.369937500 GHz Start Freq 1.000000000 GHz Stop Freq 1.739875000 GHz Ref Offset 19 dB Ref 0.00 dBm Start 1.0000 GHz Stop 1.7399 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) Mkr1 1.6607 GHz -55.604 dBm</p>	Frequency Auto Tune Center Freq 1.369937500 GHz Start Freq 1.000000000 GHz Stop Freq 1.739875000 GHz CF Step 73.987500 MHz Auto Man Freq Offset 0 Hz

----End of Report----

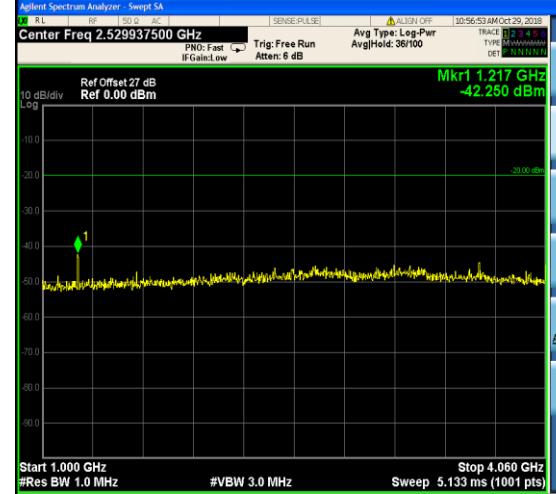
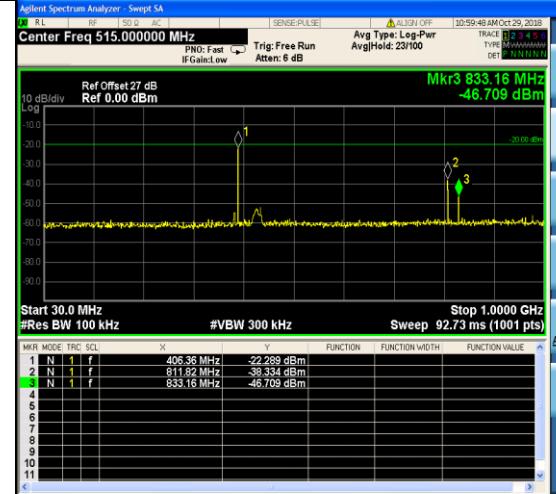
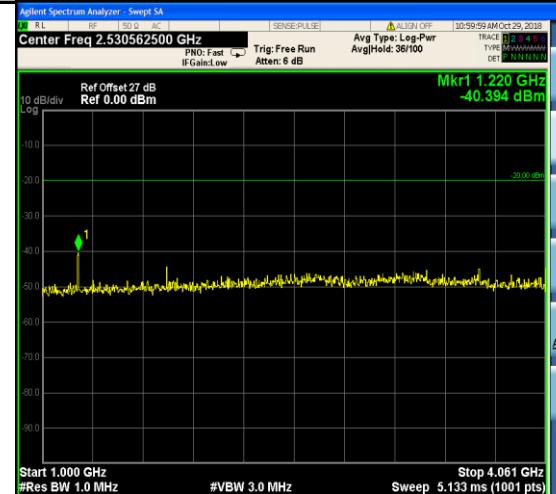


Appendix I:Spurious Emission On Antenna Port For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Start 30.000 MHz Stop 1.0000 GHz</p> <p>#VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>Mkr3 450.01 MHz -51.303 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH _{L1}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.500062500 GHz</p> <p>Start 1.0000 GHz Stop 4.0000 GHz</p> <p>#VBW 1.0 MHz Sweep 5.067 ms (1001 pts)</p> <p>Mkr1 4.000 GHz -43.455 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.500062500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.000125000 GHz</p> <p>CF Step 300.012500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Start 30.000 MHz Stop 1.0000 GHz</p> <p>#VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>Mkr3 406.36 MHz -55.246 dBm</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



Appendix I:Spurious Emission On Antenna Port For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNH	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.529937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.059875000 GHz CF Step 305.987500 MHz Freq Offset 0 Hz Mkr1 1.217 GHz -42.260 dBm</p> <p>1GHz~10th Harmonic</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.529937500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.059875000 GHz</p> <p>CF Step 305.987500 MHz</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.0000000 MHz Start Freq 30.0000000 MHz Stop Freq 1.000000000 GHz CF Step 97.0000000 MHz Freq Offset 0 Hz Mkr3 833.16 MHz -46.709 dBm Mkr1 97.000000 MHz -46.709 dBm</p> <p>30MHz~1GHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.0000000 MHz</p> <p>Start Freq 30.0000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.0000000 MHz</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.530562500 GHz Start Freq 1.000000000 GHz Stop Freq 4.061125000 GHz CF Step 306.112500 MHz Freq Offset 0 Hz Mkr1 1.220 GHz -40.394 dBm</p> <p>1GHz~10th Harmonic</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.530562500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.061125000 GHz</p> <p>CF Step 306.112500 MHz</p> <p>Freq Offset 0 Hz</p>



Appendix I:Spurious Emission On Antenna Port For UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																								
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Start 30.000 MHz Stop 1.0000 GHz</p> <p>#VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>Mkr3 399.57 MHz -51.460 dBm</p> <p>Marker Data:</p> <table border="1"><thead><tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1 N 1 f</td><td>875.84 MHz</td><td>-40.711 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>458.97 MHz</td><td>-47.177 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>399.57 MHz</td><td>-51.460 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>	MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1 N 1 f	875.84 MHz	-40.711 dBm				2 N 1 f	458.97 MHz	-47.177 dBm				3 N 1 f	399.57 MHz	-51.460 dBm				4						5						6						7						8						9						10						11					
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																						
1 N 1 f	875.84 MHz	-40.711 dBm																																																																									
2 N 1 f	458.97 MHz	-47.177 dBm																																																																									
3 N 1 f	399.57 MHz	-51.460 dBm																																																																									
4																																																																											
5																																																																											
6																																																																											
7																																																																											
8																																																																											
9																																																																											
10																																																																											
11																																																																											
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.6900062500 GHz</p> <p>Start 1.0000 GHz Stop 4.380 GHz</p> <p>#VBW 1.0 MHz Sweep 5.667 ms (1001 pts)</p> <p>Mkr1 3.944 GHz -40.718 dBm</p> <p>Marker Data:</p> <table border="1"><thead><tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1 N 1 f</td><td>3.944 GHz</td><td>-40.718 dBm</td><td></td><td></td><td></td></tr></tbody></table> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.6900062500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.380125000 GHz</p> <p>CF Step 338.012500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>	MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1 N 1 f	3.944 GHz	-40.718 dBm																																																															
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																						
1 N 1 f	3.944 GHz	-40.718 dBm																																																																									
TX-DNH	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Start 30.000 MHz Stop 1.0000 GHz</p> <p>#VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>Mkr3 440.31 MHz -53.467 dBm</p> <p>Marker Data:</p> <table border="1"><thead><tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1 N 1 f</td><td>470.38 MHz</td><td>-38.770 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>939.86 MHz</td><td>-39.293 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>440.31 MHz</td><td>-53.467 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>	MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1 N 1 f	470.38 MHz	-38.770 dBm				2 N 1 f	939.86 MHz	-39.293 dBm				3 N 1 f	440.31 MHz	-53.467 dBm				4						5						6						7						8						9						10						11					
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																						
1 N 1 f	470.38 MHz	-38.770 dBm																																																																									
2 N 1 f	939.86 MHz	-39.293 dBm																																																																									
3 N 1 f	440.31 MHz	-53.467 dBm																																																																									
4																																																																											
5																																																																											
6																																																																											
7																																																																											
8																																																																											
9																																																																											
10																																																																											
11																																																																											

**Appendix I:Spurious Emission On Antenna Port For UHF Band**

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{H1}	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.849937500 GHz</p> <p>Start 1.000 GHz Stop 4.700 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz</p> <p>Sweep 6.200 ms (1001 pts)</p> <p>Mkr1 1.411 GHz -41.638 dBm</p> <p>Ref Offset 27 dB Ref 0.00 dBm</p> <p>10 dB/div Log</p> <p>Trig: Free Run</p> <p>Avg Type: Log-Pwr</p> <p>Avg Hold: 32/100</p> <p>IF Gain: Low</p> <p>Attenuation: 6 dB</p> <p>CF Step: 369.987500 MHz</p> <p>Auto</p> <p>Man</p> <p>Freq Offset: 0 Hz</p> <p>Auto Tune</p> <p>Center Freq: 2.849937500 GHz</p> <p>Start Freq: 1.000000000 GHz</p> <p>Stop Freq: 4.699875000 GHz</p> <p>CF Step: 369.987500 MHz</p> <p>Auto</p> <p>Man</p> <p>Freq Offset: 0 Hz</p> <p>File <Temp.png> saved</p> <p>1GHz~10th Harmonic</p>

----End of Report----