

Project No.	SHT2111082704EW		
Test sample No.	YPHT21110827013	Model No.	A580T
Start test date	2022/6/16	Finish date	2022/7/1
Temperature	24.5°C	Humidity	54%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	PASS
B	Occupied Bandwidth	PASS
C	Emission Mask	PASS
D	Modulation Limit	PASS
E	Audio Frequency Response	PASS
F	Frequency Stability Test & Temperature	PASS
G	Frequency Stability Test & Voltage	PASS
H	Transmitter Frequency Behavior	PASS
I	Spurious Emission On Antenna Port	PASS

Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power (dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	36.8	4.79	4.00	19.8	±20	PASS
TX-DNH	4FSK	CH _{M1}	35.1	3.24	4.00	-19.0	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.7	4.68	4.00	17.0	±20	PASS
TX-DNH	4FSK	CH _{M3}	36.6	4.57	4.00	14.3	±20	PASS
TX-DNH	4FSK	CH _H	36.7	4.68	4.00	17.0	±20	PASS
TX-DNL	4FSK	CH _L	31.0	1.26	1.50	-16.0	±20	PASS
TX-DNL	4FSK	CH _{M1}	31.3	1.35	1.50	-10.0	±20	PASS
TX-DNL	4FSK	CH _{M2}	31.2	1.32	1.50	-12.0	±20	PASS
TX-DNL	4FSK	CH _{M3}	30.9	1.23	1.50	-18.0	±20	PASS
TX-DNL	4FSK	CH _H	30.9	1.23	1.50	-18.0	±20	PASS
TX-ANH	FM	CH _L	36.6	4.57	4.00	14.3	±20	PASS
TX-ANH	FM	CH _{M1}	36.7	4.68	4.00	17.0	±20	PASS
TX-ANH	FM	CH _{M2}	36.7	4.68	4.00	17.0	±20	PASS
TX-ANH	FM	CH _{M3}	36.8	4.79	4.00	19.8	±20	PASS
TX-ANH	FM	CH _H	36.6	4.57	4.00	14.3	±20	PASS
TX-ANL	FM	CH _L	31.4	1.38	1.50	-8.0	±20	PASS
TX-ANL	FM	CH _{M1}	31.6	1.45	1.50	-3.3	±20	PASS
TX-ANL	FM	CH _{M2}	31.6	1.45	1.50	-3.3	±20	PASS
TX-ANL	FM	CH _{M3}	31.2	1.32	1.50	-12.0	±20	PASS
TX-ANL	FM	CH _H	30.9	1.23	1.50	-18.0	±20	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.649	9.777	≤ 11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.874	9.601	≤ 11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.751	9.485	≤ 11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.898	9.600	≤ 11.25	PASS
TX-DNH	4FSK	CH _H	7.871	9.613	≤ 11.25	PASS
TX-DNL	4FSK	CH _L	8.128	10.050	≤ 11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.926	9.906	≤ 11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.891	9.796	≤ 11.25	PASS
TX-DNL	4FSK	CH _{M3}	8.025	9.996	≤ 11.25	PASS
TX-DNL	4FSK	CH _H	7.653	9.328	≤ 11.25	PASS
TX-ANH	FM	CH _L	5.175	10.040	≤ 11.25	PASS
TX-ANH	FM	CH _{M1}	5.178	10.050	≤ 11.25	PASS
TX-ANH	FM	CH _{M2}	5.175	10.060	≤ 11.25	PASS
TX-ANH	FM	CH _{M3}	5.158	10.020	≤ 11.25	PASS
TX-ANH	FM	CH _H	5.169	5.243	≤ 11.25	PASS
TX-ANL	FM	CH _L	5.171	10.030	≤ 11.25	PASS
TX-ANL	FM	CH _{M1}	5.177	10.050	≤ 11.25	PASS
TX-ANL	FM	CH _{M2}	5.172	10.040	≤ 11.25	PASS
TX-ANL	FM	CH _{M3}	5.161	10.020	≤ 11.25	PASS
TX-ANL	FM	CH _H	5.154	5.252	≤ 11.25	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Occupied Bandwidth: 7.649 kHz</p> <p>Total Power: 44.1 dBm</p> <p>Transmit Freq Error: -188 Hz</p> <p>x dB Bandwidth: 9.777 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Occupied Bandwidth: 7.874 kHz</p> <p>Total Power: 44.2 dBm</p> <p>Transmit Freq Error: -217 Hz</p> <p>x dB Bandwidth: 9.601 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Occupied Bandwidth: 7.751 kHz</p> <p>Total Power: 44.2 dBm</p> <p>Transmit Freq Error: -140 Hz</p> <p>x dB Bandwidth: 9.485 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: >10/10</p> <p>#FGain: Low #Atten: 32 dB Radio Device: BTS</p> <p>10 dB/div Ref 43.50 dBm</p> <p>Center 438 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 44.1 dBm</p> <p>7.898 kHz</p> <p>Transmit Freq Error -140 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.600 kHz x dB -26.00 dB</p> <p>Frequency: 438.012500 MHz</p> <p>Center Freq: 438.012500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: >10/10</p> <p>#FGain: Low #Atten: 32 dB Radio Device: BTS</p> <p>10 dB/div Ref 42.01 dBm</p> <p>Center 480 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 44.3 dBm</p> <p>7.871 kHz</p> <p>Transmit Freq Error -80 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.613 kHz x dB -26.00 dB</p> <p>Frequency: 479.987500 MHz</p> <p>Center Freq: 479.987500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>
TX-DNL	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run AvgHold: >10/10</p> <p>#FGain: Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref 41.20 dBm</p> <p>Center 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 38.2 dBm</p> <p>8.128 kHz</p> <p>Transmit Freq Error -252 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.05 kHz x dB -26.00 dB</p> <p>Frequency: 400.012500 MHz</p> <p>Center Freq: 400.012500 MHz</p> <p>CF Step: 5.000 kHz</p> <p>Freq Offset: 0 Hz</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Ref 41.19 dBm</p> <p>Occupied Bandwidth 7.926 kHz</p> <p>Total Power 38.4 dBm</p> <p>Transmit Freq Error -210 Hz</p> <p>x dB Bandwidth 9.906 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Ref 41.26 dBm</p> <p>Occupied Bandwidth 7.891 kHz</p> <p>Total Power 38.6 dBm</p> <p>Transmit Freq Error -278 Hz</p> <p>x dB Bandwidth 9.796 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Ref 40.02 dBm</p> <p>Occupied Bandwidth 8.025 kHz</p> <p>Total Power 37.8 dBm</p> <p>Transmit Freq Error -75 Hz</p> <p>x dB Bandwidth 9.996 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Occupied Bandwidth: 7.653 kHz</p> <p>Total Power: 37.4 dBm</p> <p>Transmit Freq Error: -58 Hz</p>
TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Occupied Bandwidth: 5.175 kHz</p> <p>Total Power: 37.0 dBm</p> <p>Transmit Freq Error: -19 Hz</p>
TX-ANH	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Occupied Bandwidth: 5.178 kHz</p> <p>Total Power: 37.1 dBm</p> <p>Transmit Freq Error: -19 Hz</p>

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Occupied Bandwidth: 5.175 kHz</p> <p>Total Power: 37.4 dBm</p> <p>Transmit Freq Error: -27 Hz</p> <p>x dB Bandwidth: 10.06 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>
TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Occupied Bandwidth: 5.158 kHz</p> <p>Total Power: 36.9 dBm</p> <p>Transmit Freq Error: -56 Hz</p> <p>x dB Bandwidth: 10.02 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>
TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Occupied Bandwidth: 5.169 kHz</p> <p>Total Power: 37.3 dBm</p> <p>Transmit Freq Error: -77 Hz</p> <p>x dB Bandwidth: 5.243 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB: -26.00 dB</p>

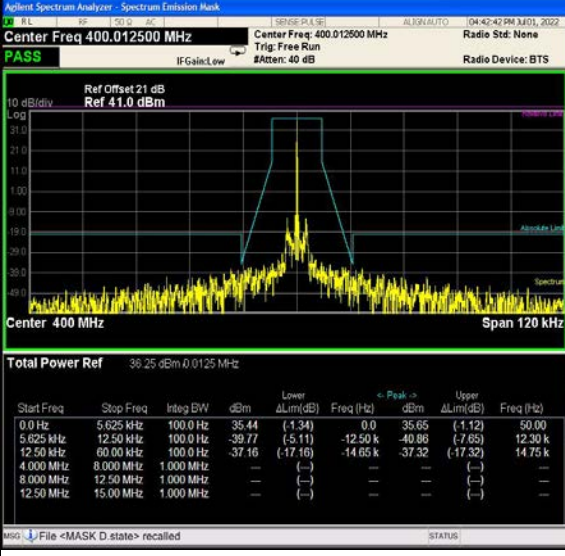
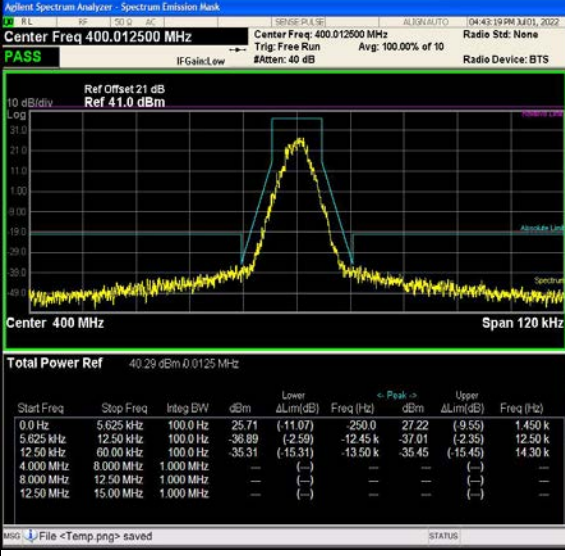
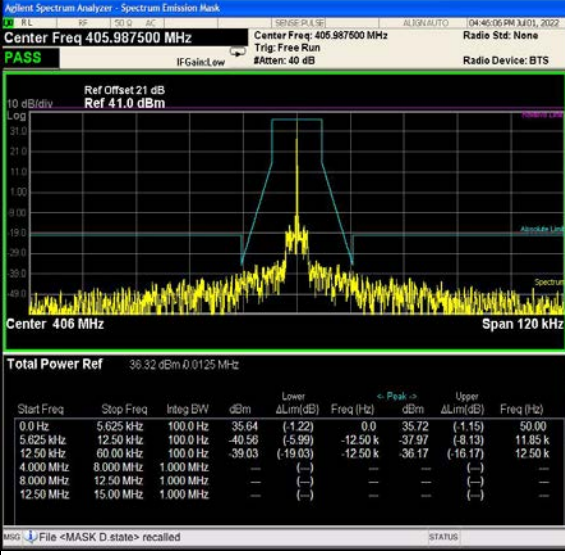
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Occupied Bandwidth 5.171 kHz</p> <p>Total Power 31.3 dBm</p> <p>Transmit Freq Error -14 Hz</p> <p>x dB Bandwidth 10.03 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
TX-ANL	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Occupied Bandwidth 5.177 kHz</p> <p>Total Power 31.6 dBm</p> <p>Transmit Freq Error -22 Hz</p> <p>x dB Bandwidth 10.05 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>
TX-ANL	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz</p> <p>Occupied Bandwidth 5.172 kHz</p> <p>Total Power 31.5 dBm</p> <p>Transmit Freq Error -36 Hz</p> <p>x dB Bandwidth 10.04 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p>

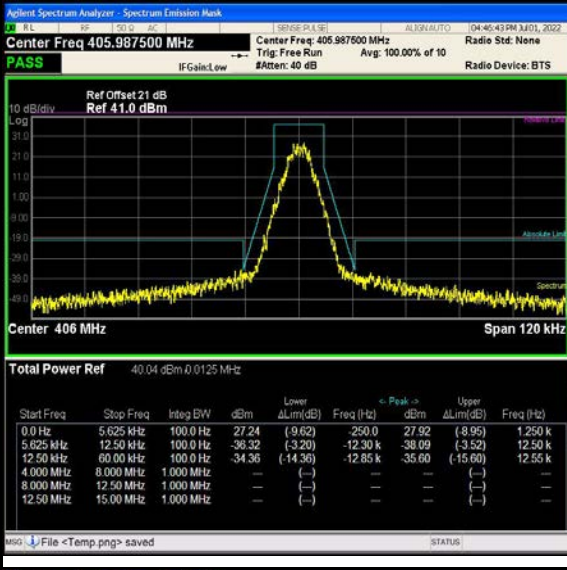
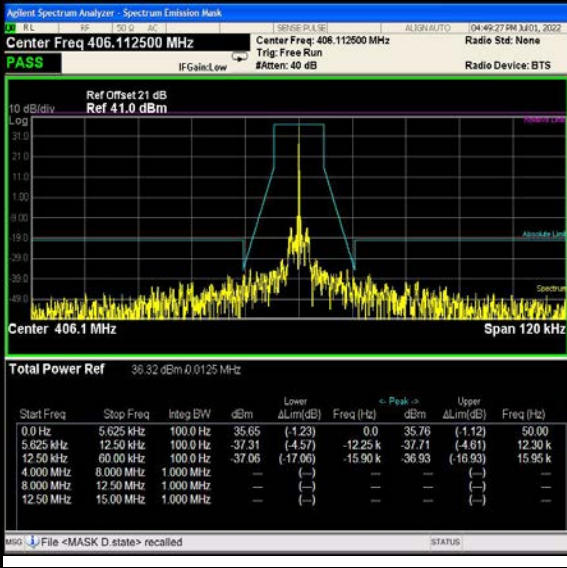
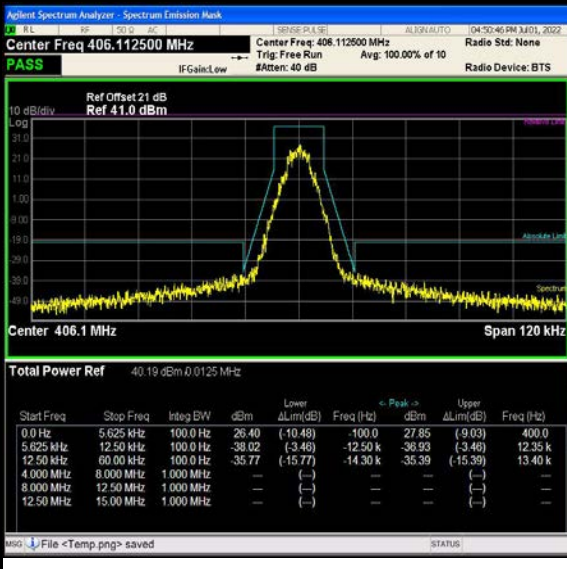
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz</p> <p>Center Freq 438.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold>10/10</p> <p>Radio Std: None</p> <p>#FGain:Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.81 dBm</p> <p>Center 438 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.161 kHz</p> <p>Total Power 30.8 dBm</p> <p>Transmit Freq Error -57 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.02 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 438.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANL	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Center Freq 479.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold>10/10</p> <p>Radio Std: None</p> <p>#FGain:Low</p> <p>#Atten: 24 dB</p> <p>Radio Device: BTS</p> <p>10 dB/div Ref 34.29 dBm</p> <p>Center 480 MHz</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.154 kHz</p> <p>Total Power 30.3 dBm</p> <p>Transmit Freq Error -56 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 5.252 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 479.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	 <table border="1" data-bbox="549 734 1114 936"> <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>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>35.44</td> <td>(-1.34)</td> <td>0.0</td> <td>35.65</td> <td>(-1.12)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.77</td> <td>(-5.11)</td> <td>-12.50 k</td> <td>-40.86</td> <td>(-7.65)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-37.16</td> <td>(-17.16)</td> <td>-14.65 k</td> <td>-37.32</td> <td>(-17.32)</td> <td>14.75 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.44	(-1.34)	0.0	35.65	(-1.12)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-39.77	(-5.11)	-12.50 k	-40.86	(-7.65)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.16	(-17.16)	-14.65 k	-37.32	(-17.32)	14.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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>Ref Offset 21 dB Ref 41.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 40.04 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>27.24</td> <td>(9.62)</td> <td>250.0</td> <td>27.92</td> <td>(8.95)</td> <td>1.250 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.32</td> <td>(-3.20)</td> <td>-12.30 k</td> <td>-38.09</td> <td>(-3.52)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.36</td> <td>(-14.36)</td> <td>-12.85 k</td> <td>-35.60</td> <td>(-15.60)</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.24	(9.62)	250.0	27.92	(8.95)	1.250 k	5.625 kHz	12.50 kHz	100.0 Hz	-36.32	(-3.20)	-12.30 k	-38.09	(-3.52)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.36	(-14.36)	-12.85 k	-35.60	(-15.60)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 21 dB Ref 41.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 36.32 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>35.65</td> <td>(1.23)</td> <td>0.0</td> <td>35.76</td> <td>(1.12)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.31</td> <td>(4.57)</td> <td>-12.25 k</td> <td>-37.71</td> <td>(-4.61)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-37.06</td> <td>(-17.06)</td> <td>-15.90 k</td> <td>-36.93</td> <td>(-16.93)</td> <td>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> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.65	(1.23)	0.0	35.76	(1.12)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.31	(4.57)	-12.25 k	-37.71	(-4.61)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.06	(-17.06)	-15.90 k	-36.93	(-16.93)	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	—	(—)	—	—	(—)	—
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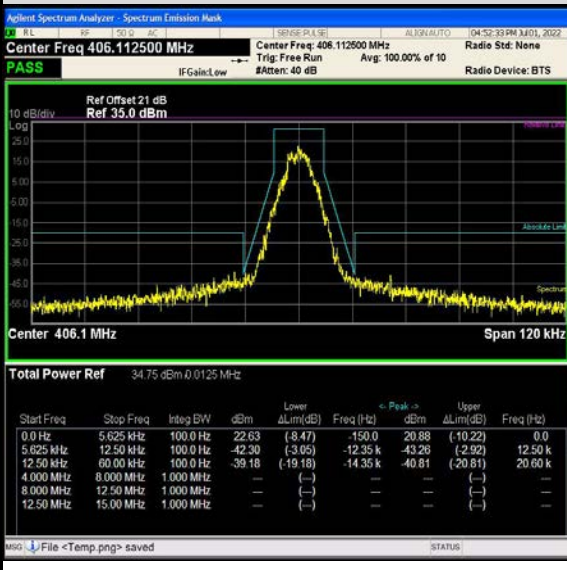
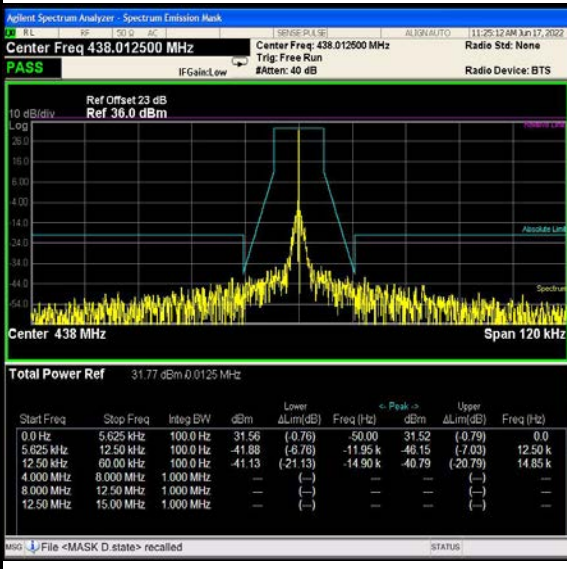
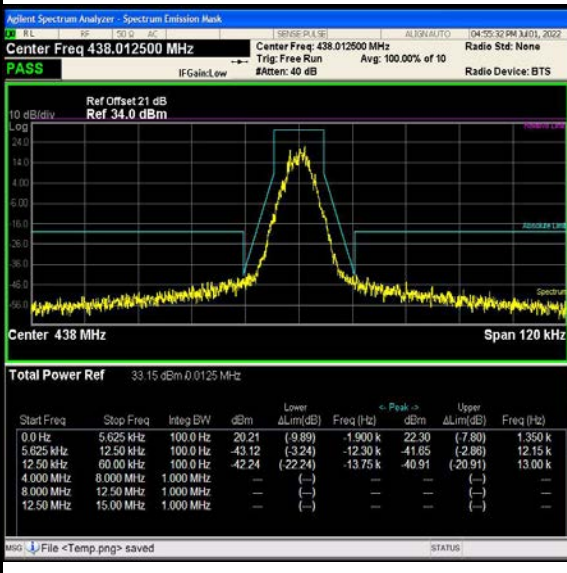
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Appendix C:Emission Mask

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5.625 kHz	12.50 kHz	100.0 Hz	-42.81	(-2.90)	-12.45 k	-42.01	(-2.83)	12.35 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-39.22	(-19.22)	-14.15 k	-43.01	(-23.01)	16.40 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz Center Freq 406.112500 MHz Radio Std: None</p> <p>Ref Offset 21 dB Ref 35.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 29.94 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.28</td> <td>(-1.82)</td> <td>0.0</td> <td>30.00</td> <td>(-1.10)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.22</td> <td>(-1.88)</td> <td>-12.50 k</td> <td>-48.23</td> <td>(-8.26)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-45.29</td> <td>(-25.29)</td> <td>-17.55 k</td> <td>-45.52</td> <td>(-25.52)</td> <td>17.65 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.28	(-1.82)	0.0	30.00	(-1.10)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.22	(-1.88)	-12.50 k	-48.23	(-8.26)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.29	(-25.29)	-17.55 k	-45.52	(-25.52)	17.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M2}	 <table border="1" data-bbox="547 761 1117 938"> <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>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>22.63</td> <td>(-8.47)</td> <td>150.0</td> <td>20.88</td> <td>(-10.22)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.30</td> <td>(-3.05)</td> <td>-12.35 k</td> <td>-43.26</td> <td>(-2.92)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.18</td> <td>(-19.18)</td> <td>-14.35 k</td> <td>-40.61</td> <td>(-20.61)</td> <td>20.60 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.63	(-8.47)	150.0	20.88	(-10.22)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.30	(-3.05)	-12.35 k	-43.26	(-2.92)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.18	(-19.18)	-14.35 k	-40.61	(-20.61)	20.60 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _{M3}	 <table border="1" data-bbox="547 1332 1117 1505"> <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>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>31.56</td> <td>(-0.76)</td> <td>50.00</td> <td>31.52</td> <td>(-0.79)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.88</td> <td>(-6.76)</td> <td>-11.95 k</td> <td>-46.15</td> <td>(-7.03)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.13</td> <td>(-21.13)</td> <td>-14.90 k</td> <td>-40.79</td> <td>(-20.79)</td> <td>14.85 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.56	(-0.76)	50.00	31.52	(-0.79)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.88	(-6.76)	-11.95 k	-46.15	(-7.03)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.13	(-21.13)	-14.90 k	-40.79	(-20.79)	14.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _{M3}	 <table border="1" data-bbox="547 1899 1117 2076"> <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>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>20.21</td> <td>(-9.89)</td> <td>-1.900 k</td> <td>22.30</td> <td>(-7.60)</td> <td>1.350 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-43.12</td> <td>(-3.24)</td> <td>-12.30 k</td> <td>-41.65</td> <td>(-2.88)</td> <td>12.15 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>-13.75 k</td> <td>-40.91</td> <td>(-20.91)</td> <td>13.00 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.21	(-9.89)	-1.900 k	22.30	(-7.60)	1.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-43.12	(-3.24)	-12.30 k	-41.65	(-2.88)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.24	(-22.24)	-13.75 k	-40.91	(-20.91)	13.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 479.987500 MHz Center Freq: 479.987500 MHz Radio Std: None</p> <p>Ref Offset 21 dB Ref 34.0 dBm</p> <p>Total Power Ref 28.77 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 dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>27.65</td> <td>(-2.22)</td> <td>0.0</td> <td>28.78</td> <td>(-1.09)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-48.87</td> <td>(-5.87)</td> <td>-12.45 k</td> <td>-47.80</td> <td>(-8.23)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.70</td> <td>(-23.70)</td> <td>-15.50 k</td> <td>-43.63</td> <td>(-23.63)</td> <td>12.65 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.65	(-2.22)	0.0	28.78	(-1.09)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-48.87	(-5.87)	-12.45 k	-47.80	(-8.23)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.70	(-23.70)	-15.50 k	-43.63	(-23.63)	12.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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12.50 kHz	60.00 kHz	100.0 Hz	-42.68	(-22.68)	-13.15 k	-41.45	(-21.45)	12.65 k																																																										
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TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.42 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>36.87</td> <td>(-1.39)</td> <td>0.0</td> <td>36.87</td> <td>(-1.39)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.08</td> <td>(-8.09)</td> <td>-12.20 k</td> <td>-38.67</td> <td>(-8.40)</td> <td>12.10 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.96</td> <td>(-15.96)</td> <td>-13.65 k</td> <td>-35.60</td> <td>(-15.60)</td> <td>13.60 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.87	(-1.39)	0.0	36.87	(-1.39)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.08	(-8.09)	-12.20 k	-38.67	(-8.40)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.96	(-15.96)	-13.65 k	-35.60	(-15.60)	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	—	(—)	—	—	(—)	—
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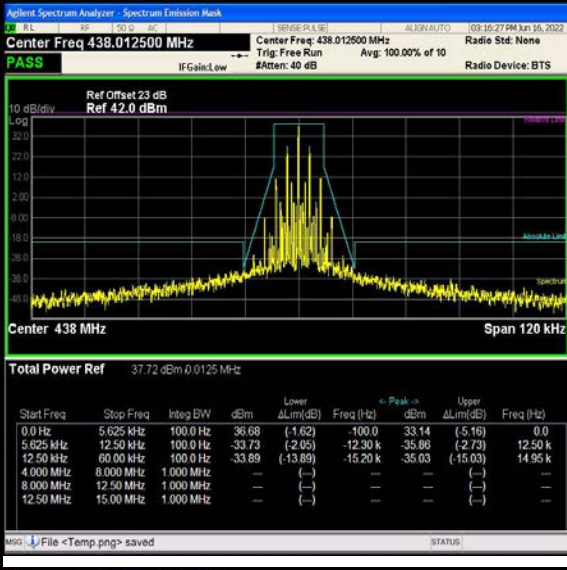
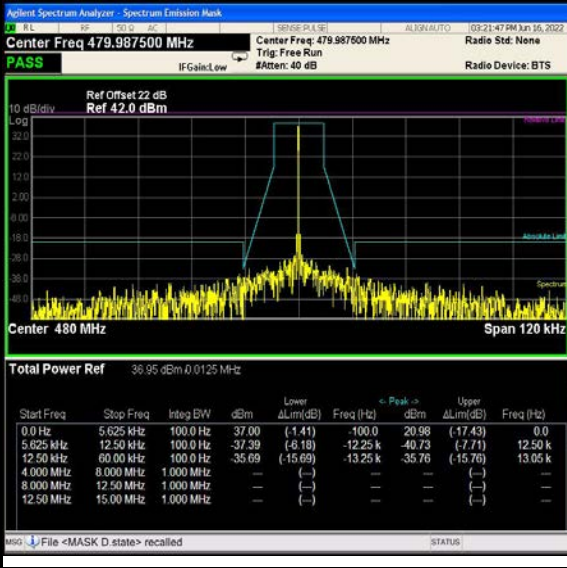
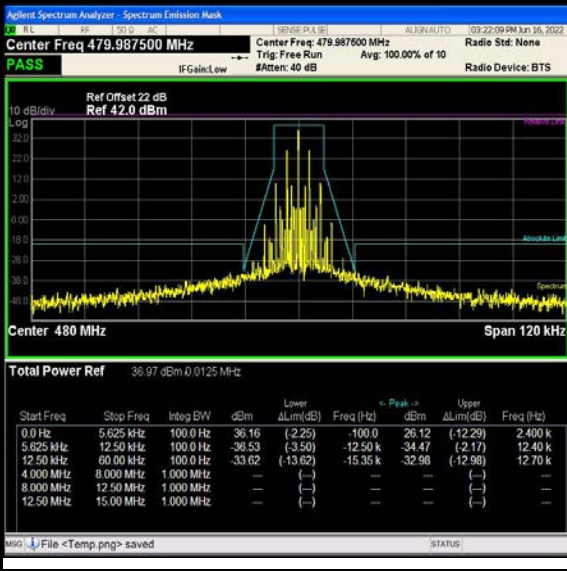
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Center 400 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 37.16 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>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Peak dBm</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>35.93</td> <td>(-2.33)</td> <td>50.00</td> <td>35.92</td> <td>(-2.33)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.92</td> <td>(-3.10)</td> <td>-12.45 k</td> <td>-35.14</td> <td>(-1.96)</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.62</td> <td>(-13.62)</td> <td>-13.65 k</td> <td>-34.20</td> <td>(-14.20)</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Peak dBm	0.0 Hz	5.625 kHz	100.0 Hz	35.93	(-2.33)	50.00	35.92	(-2.33)	5.625 kHz	12.50 kHz	100.0 Hz	-35.92	(-3.10)	-12.45 k	-35.14	(-1.96)	12.50 kHz	60.00 kHz	100.0 Hz	-33.62	(-13.62)	-13.65 k	-34.20	(-14.20)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)
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Appendix C:Emission Mask

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TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.49 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-36.91</td> <td>(-1.46)</td> <td>50.00</td> <td>36.70</td> <td>(-1.67)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.30</td> <td>(-8.04)</td> <td>-12.25 k</td> <td>-37.24</td> <td>(-8.71)</td> <td>12.15 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.40</td> <td>(-16.40)</td> <td>-17.25 k</td> <td>-36.24</td> <td>(-16.24)</td> <td>17.15 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-36.91	(-1.46)	50.00	36.70	(-1.67)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.30	(-8.04)	-12.25 k	-37.24	(-8.71)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.40	(-16.40)	-17.25 k	-36.24	(-16.24)	17.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.40 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>35.97</td> <td>(2.40)</td> <td>50.00</td> <td>35.80</td> <td>(2.57)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.62</td> <td>(-4.64)</td> <td>-12.35 k</td> <td>-35.48</td> <td>(-3.87)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.85</td> <td>(-14.85)</td> <td>-13.15 k</td> <td>-33.88</td> <td>(-13.88)</td> <td>12.90 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.97	(2.40)	50.00	35.80	(2.57)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.62	(-4.64)	-12.35 k	-35.48	(-3.87)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.85	(-14.85)	-13.15 k	-33.88	(-13.88)	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	—	(—)	—	—	(—)	—
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12.50 kHz	60.00 kHz	100.0 Hz	-34.85	(-14.85)	-13.15 k	-33.88	(-13.88)	12.90 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 23 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.72 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>37.58</td> <td>(0.72)</td> <td>-100.0</td> <td>33.90</td> <td>(-4.41)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.24</td> <td>(-8.37)</td> <td>-12.05 k</td> <td>-39.16</td> <td>(-8.02)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.24</td> <td>(-14.24)</td> <td>-14.55 k</td> <td>-34.14</td> <td>(-14.14)</td> <td>14.40 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.58	(0.72)	-100.0	33.90	(-4.41)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.24	(-8.37)	-12.05 k	-39.16	(-8.02)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.24	(-14.24)	-14.55 k	-34.14	(-14.14)	14.40 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	—	(—)	—	—	(—)	—
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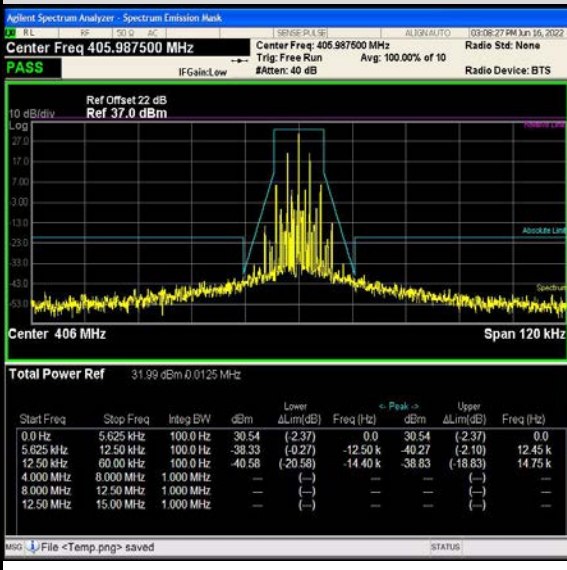
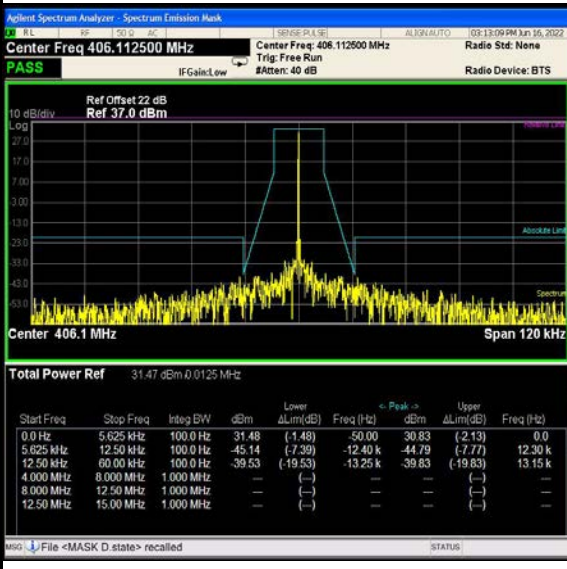
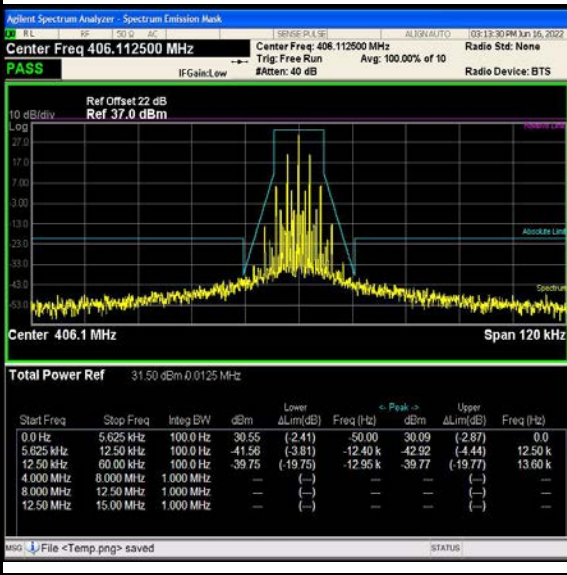
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M3}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 23 dB Ref 42.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 37.72 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>36.68</td> <td>(-1.62)</td> <td>100.0</td> <td>33.14</td> <td>(-5.16)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-33.73</td> <td>(-2.05)</td> <td>-12.30 k</td> <td>-35.88</td> <td>(-2.73)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.69</td> <td>(-13.89)</td> <td>-15.20 k</td> <td>-35.03</td> <td>(-15.03)</td> <td>14.95 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.68	(-1.62)	100.0	33.14	(-5.16)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.73	(-2.05)	-12.30 k	-35.88	(-2.73)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.69	(-13.89)	-15.20 k	-35.03	(-15.03)	14.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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TX-ANL	FM	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 37.0 dBm</p> <p>Total Power Ref 31.50 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>31.33</td> <td>(-1.43)</td> <td>-</td> <td>50.00</td> <td>31.29</td> <td>(-1.47)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-47.33</td> <td>(-9.01)</td> <td>-12.45 k</td> <td>-48.24</td> <td>(-10.29)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.46</td> <td>(-22.48)</td> <td>-12.55 k</td> <td>-42.32</td> <td>(-22.32)</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.33	(-1.43)	-	50.00	31.29	(-1.47)	5.625 kHz	12.50 kHz	100.0 Hz	-47.33	(-9.01)	-12.45 k	-48.24	(-10.29)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.46	(-22.48)	-12.55 k	-42.32	(-22.32)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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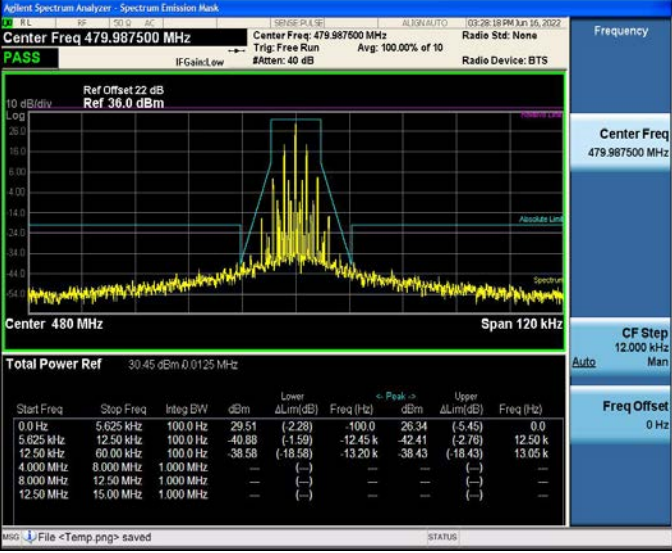
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz</p> <p>Ref Offset 22 dB Ref 37.0 dBm</p> <p>Center 406 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 31.99 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.54</td> <td>(-2.37)</td> <td>0.0</td> <td>30.54</td> <td>(-2.37)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.33</td> <td>(-0.27)</td> <td>-12.50 k</td> <td>-40.27</td> <td>(-2.10)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.58</td> <td>(-20.58)</td> <td>-14.40 k</td> <td>-36.83</td> <td>(-16.83)</td> <td>14.75 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.54	(-2.37)	0.0	30.54	(-2.37)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.33	(-0.27)	-12.50 k	-40.27	(-2.10)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.58	(-20.58)	-14.40 k	-36.83	(-16.83)	14.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 23 dB Ref 36.0 dBm</p> <p>Total Power Ref 31.59 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Peak dBm</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.56</td> <td>(-1.69)</td> <td>50.00</td> <td>27.70</td> <td>(-4.54)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.48</td> <td>(-3.29)</td> <td>-12.50 k</td> <td>-40.52</td> <td>(-1.69)</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.93</td> <td>(-20.93)</td> <td>-17.70 k</td> <td>-40.24</td> <td>(-20.24)</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	Upper ΔLim(dB)	Peak dBm	0.0 Hz	5.625 kHz	100.0 Hz	30.56	(-1.69)	50.00	27.70	(-4.54)	5.625 kHz	12.50 kHz	100.0 Hz	-42.48	(-3.29)	-12.50 k	-40.52	(-1.69)	12.50 kHz	60.00 kHz	100.0 Hz	-40.93	(-20.93)	-17.70 k	-40.24	(-20.24)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _H	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 479.987500 MHz</p> <p>Ref Offset 22 dB Ref 36.0 dBm</p> <p>Center Freq 479.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>10 dB/div Log</p> <p>Center 480 MHz Span 120 kHz</p> <p>Total Power Ref 30.45 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Peak dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.51</td> <td>(-2.28)</td> <td>-100.0</td> <td>26.34</td> <td>(-5.45)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.88</td> <td>(-1.59)</td> <td>-12.45 k</td> <td>-42.41</td> <td>(-2.78)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-38.58</td> <td>(-18.58)</td> <td>-13.20 k</td> <td>-36.43</td> <td>(-16.43)</td> <td>13.05 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.51	(-2.28)	-100.0	26.34	(-5.45)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.88	(-1.59)	-12.45 k	-42.41	(-2.78)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.58	(-18.58)	-13.20 k	-36.43	(-16.43)	13.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix D:Modulation Limit

Operatio n Mode	Modulation Type	Test Channel	Modulation Level (dB)	Peak frequency deviation (kHz)				Limit (kHz)	Result
				300Hz	1004Hz	1500Hz	2500 Hz		
TX-ANH	FM	CH _{M2}	-20	0.076	0.178	0.254	0.364	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.106	0.298	0.420	0.573	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.162	0.505	0.719	1.075	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.260	0.790	1.268	1.511	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.438	1.461	1.635	1.615	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.761	1.797	1.708	1.709	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.337	1.960	1.754	1.737	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.629	2.002	1.757	1.750	2.5	PASS
TX-ANH	FM	CH _{M2}	20	1.826	2.028	1.754	1.781	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

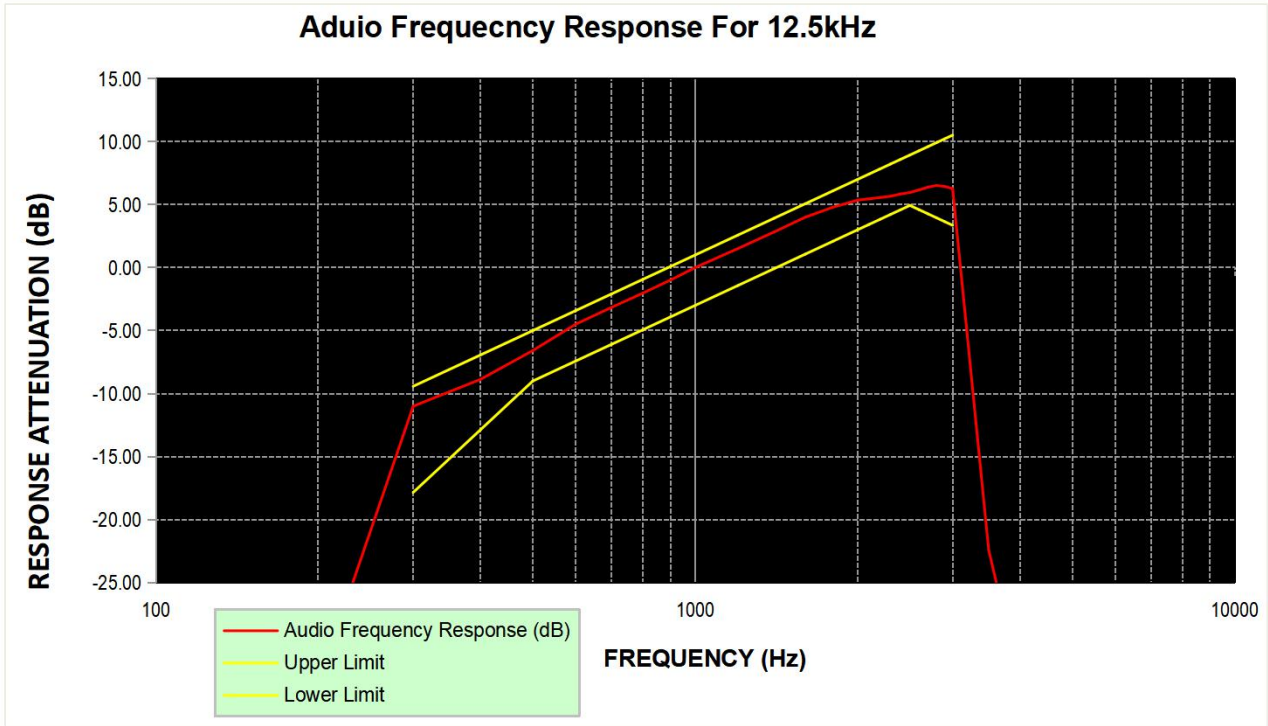


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-33.08			PASS
TX-ANH	FM	CH _{M2}	200	-33.02			PASS
TX-ANH	FM	CH _{M2}	300	-11.00	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-8.87	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-6.58	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-4.50	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.15	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.02	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-0.99	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	0.00	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.51	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.82	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.00	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	4.79	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	5.35	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	5.45	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	5.56	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	5.66	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	5.84	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	5.95	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	6.16	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	6.38	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	6.51	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	6.44	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	6.26	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-22.43			PASS
TX-ANH	FM	CH _{M2}	4000	-32.99			PASS
TX-ANH	FM	CH _{M2}	4500	-33.23			PASS
TX-ANH	FM	CH _{M2}	5000	-33.22			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Appendix F:Frequency Stability Test & Temperature

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	-0.259	-0.241	-0.258	-0.223	-0.189	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.243	-0.240	-0.265	-0.211	-0.186	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.254	-0.246	-0.245	-0.221	-0.180	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.248	-0.244	-0.244	-0.213	-0.191	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.260	-0.242	-0.241	-0.227	-0.177	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.241	-0.239	-0.241	-0.207	-0.175	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.259	-0.244	-0.259	-0.220	-0.184	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.259	-0.262	-0.245	-0.223	-0.180	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.250	-0.240	-0.246	-0.225	-0.176	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.259	-0.256	-0.272	-0.218	-0.195	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.260	-0.261	-0.266	-0.215	-0.196	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.261	-0.272	-0.254	-0.229	-0.185	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.268	-0.254	-0.271	-0.218	-0.192	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.268	-0.265	-0.252	-0.228	-0.194	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.244	-0.250	-0.248	-0.215	-0.179	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.261	-0.260	-0.261	-0.236	-0.192	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.268	-0.262	-0.272	-0.216	-0.191	±5.0	PASS
TX-DNL	4FSK	V _N	50	-0.253	-0.259	-0.270	-0.216	-0.191	±5.0	PASS
TX-ANH	FM	V _N	-30	-0.001	-0.001	-0.050	-0.086	-0.069	±5.0	PASS
TX-ANH	FM	V _N	-20	-0.001	-0.001	-0.048	-0.084	-0.063	±5.0	PASS
TX-ANH	FM	V _N	-10	-0.001	-0.001	-0.050	-0.087	-0.066	±5.0	PASS
TX-ANH	FM	V _N	0	-0.001	-0.001	-0.049	-0.089	-0.065	±5.0	PASS
TX-ANH	FM	V _N	10	-0.001	-0.001	-0.047	-0.090	-0.066	±5.0	PASS
TX-ANH	FM	V _N	20	-0.001	-0.001	-0.046	-0.082	-0.063	±5.0	PASS
TX-ANH	FM	V _N	30	-0.001	-0.001	-0.050	-0.082	-0.069	±5.0	PASS
TX-ANH	FM	V _N	40	-0.001	-0.001	-0.049	-0.084	-0.065	±5.0	PASS
TX-ANH	FM	V _N	50	-0.001	-0.001	-0.050	-0.083	-0.065	±5.0	PASS
TX-ANL	FM	V _N	-30	0.004	-0.012	-0.061	-0.093	-0.081	±5.0	PASS
TX-ANL	FM	V _N	-20	0.004	-0.012	-0.060	-0.099	-0.080	±5.0	PASS
TX-ANL	FM	V _N	-10	0.004	-0.011	-0.060	-0.101	-0.079	±5.0	PASS
TX-ANL	FM	V _N	0	0.004	-0.012	-0.061	-0.098	-0.082	±5.0	PASS
TX-ANL	FM	V _N	10	0.004	-0.012	-0.064	-0.094	-0.084	±5.0	PASS
TX-ANL	FM	V _N	20	0.004	-0.011	-0.059	-0.092	-0.078	±5.0	PASS
TX-ANL	FM	V _N	30	0.004	-0.011	-0.065	-0.101	-0.079	±5.0	PASS
TX-ANL	FM	V _N	40	0.004	-0.011	-0.062	-0.094	-0.082	±5.0	PASS
TX-ANL	FM	V _N	50	0.004	-0.011	-0.063	-0.094	-0.084	±5.0	PASS

Appendix G:Frequency Stability Test & Voltage

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	T _N	-0.241	-0.239	-0.241	-0.207	-0.175	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.246	-0.243	-0.242	-0.210	-0.179	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.260	-0.246	-0.254	-0.219	-0.179	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.244	-0.250	-0.248	-0.215	-0.179	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.249	-0.254	-0.248	-0.219	-0.180	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.252	-0.255	-0.260	-0.227	-0.185	±5.0	PASS
TX-ANH	FM	V _N	T _N	-0.001	-0.001	-0.046	-0.082	-0.063	±5.0	PASS
TX-ANH	FM	V _L	T _N	-0.001	-0.001	-0.046	-0.083	-0.063	±5.0	PASS
TX-ANH	FM	V _H	T _N	-0.001	-0.001	-0.048	-0.086	-0.064	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.004	-0.011	-0.059	-0.092	-0.078	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.004	-0.011	-0.060	-0.094	-0.080	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.004	-0.011	-0.061	-0.097	-0.082	±5.0	PASS

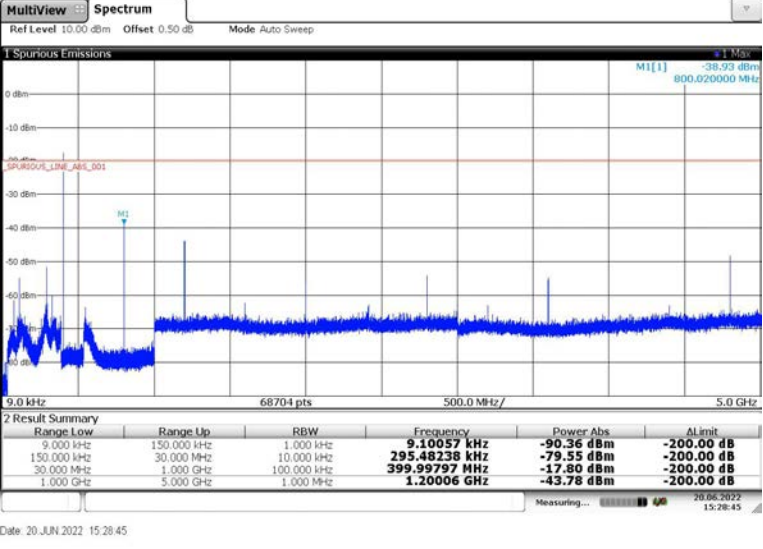
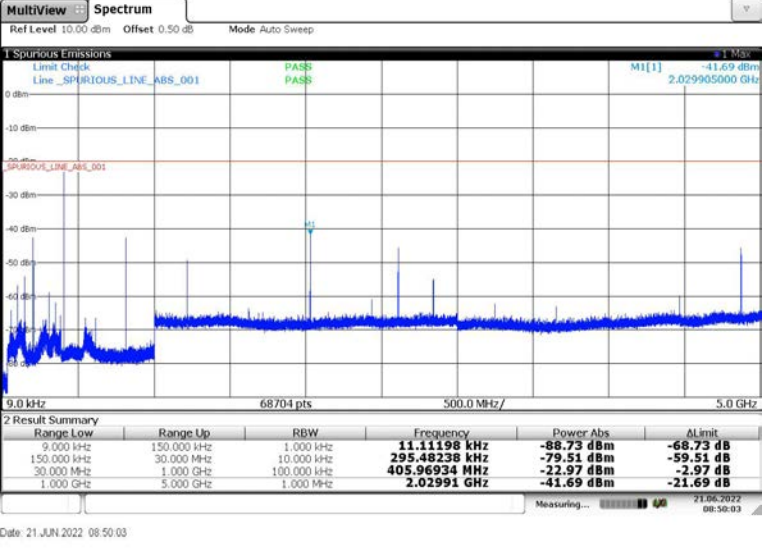
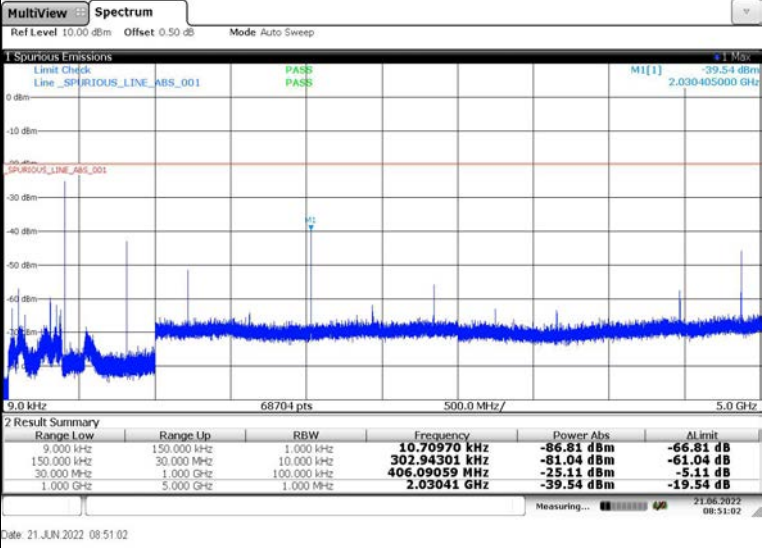
Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-DNH	4FSK	CH _{M2}	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB Att 30 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFX(17MHz) VIG Bypass</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <thead> <tr> <th></th> <th>+Peak</th> <th>-Peak</th> <th>+Peak/2</th> <th>RMS</th> <th>Mod.Freq.</th> <th>SINAD</th> <th>THD</th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>28.954 kHz</td> <td>-23.579 kHz</td> <td>26.266 kHz</td> <td>2.9461 kHz</td> <td>---</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>Carrier Power 37.32 dBm Carrier Offset -145.65 Hz</p> <p>Date: 20 JUN 2022 16:31:27</p>		+Peak	-Peak	+Peak/2	RMS	Mod.Freq.	SINAD	THD	FM	28.954 kHz	-23.579 kHz	26.266 kHz	2.9461 kHz	---	---	---
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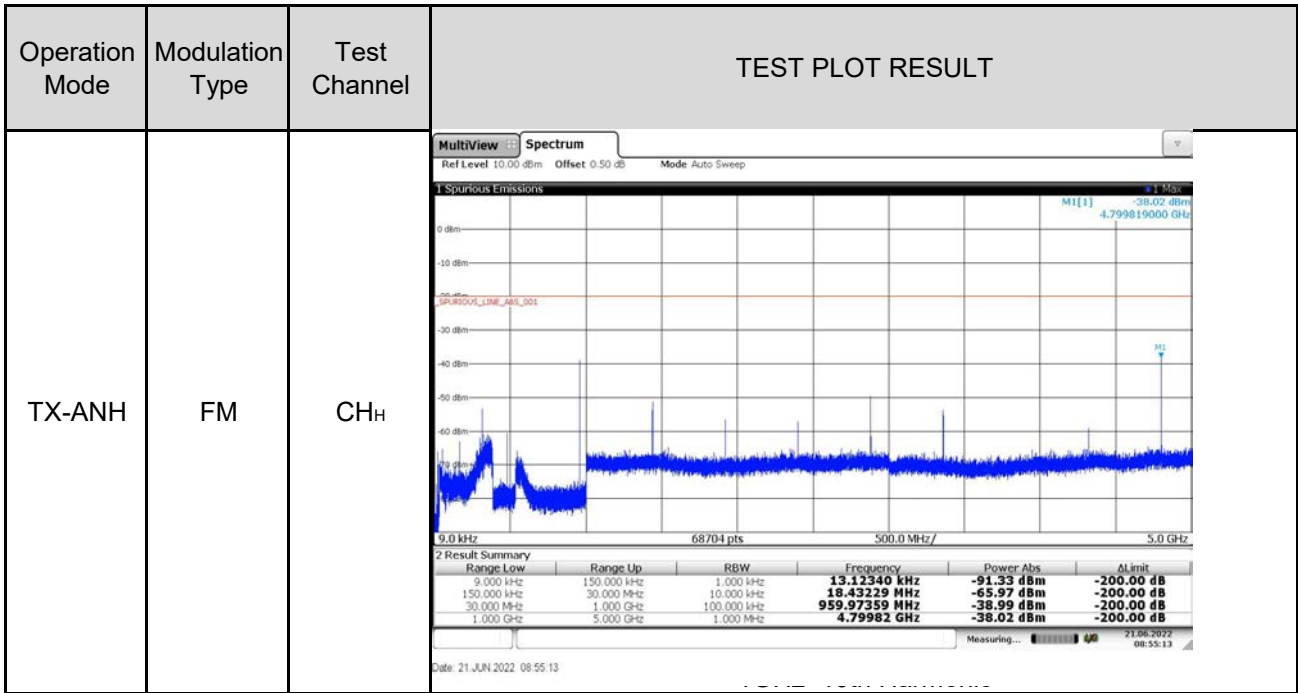
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Appendix I:Spurious Emission On Antenna Port



----End of Report----