

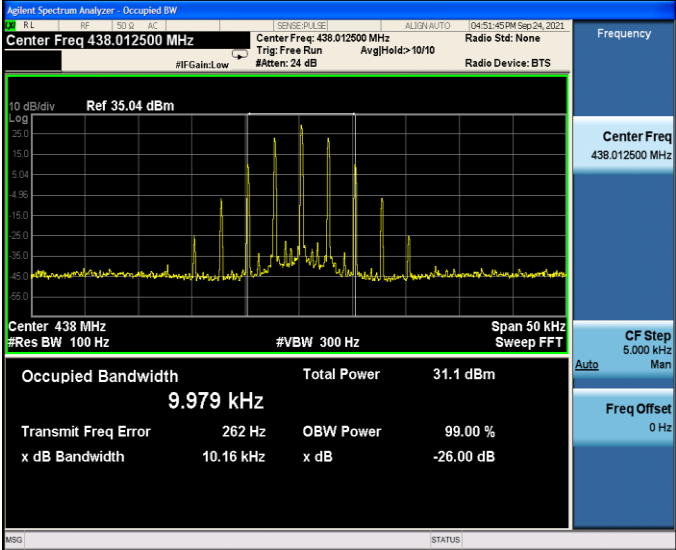
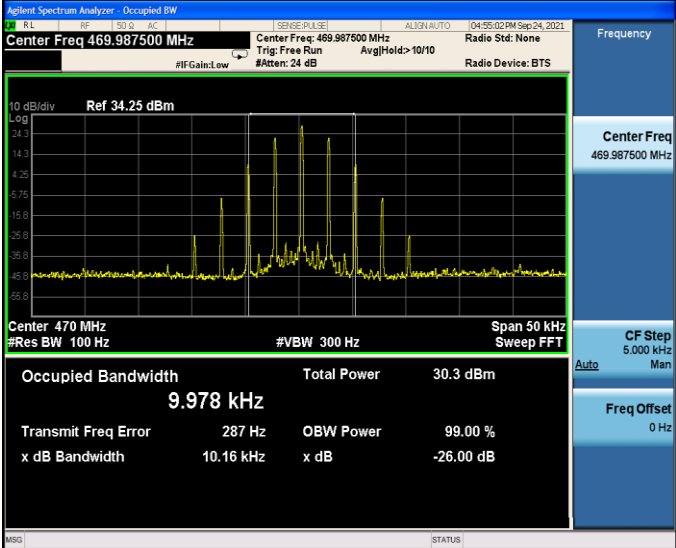
Appendix B:Occupied Bandwidth

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>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 41.32 dBm</p> <p>Center 406.1 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 9.980 kHz</p> <p>Total Power 37.3 dBm</p> <p>Transmit Freq Error 248 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.17 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 406.112500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANH	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>Radio Device: BTS</p> <p>Ref 41.38 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 9.979 kHz</p> <p>Total Power 37.4 dBm</p> <p>Transmit Freq Error 261 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.16 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-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.987500 MHz</p> <p>Center Freq: 469.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 41.25 dBm</p> <p>Center 470 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 9.978 kHz</p> <p>Total Power 37.4 dBm</p> <p>Transmit Freq Error 287 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.16 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 469.987500 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-ANL	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 400.012500 MHz</p> <p>Occupied Bandwidth: 9.980 kHz</p> <p>Total Power: 30.2 dBm</p> <p>Transmit Freq Error: 242 Hz</p> <p>x dB Bandwidth: 10.16 kHz</p>
TX-ANL	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 405.987500 MHz</p> <p>Occupied Bandwidth: 9.980 kHz</p> <p>Total Power: 29.9 dBm</p> <p>Transmit Freq Error: 247 Hz</p> <p>x dB Bandwidth: 10.17 kHz</p>
TX-ANL	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 406.112500 MHz</p> <p>Occupied Bandwidth: 9.980 kHz</p> <p>Total Power: 29.9 dBm</p> <p>Transmit Freq Error: 247 Hz</p> <p>x dB Bandwidth: 10.17 kHz</p>

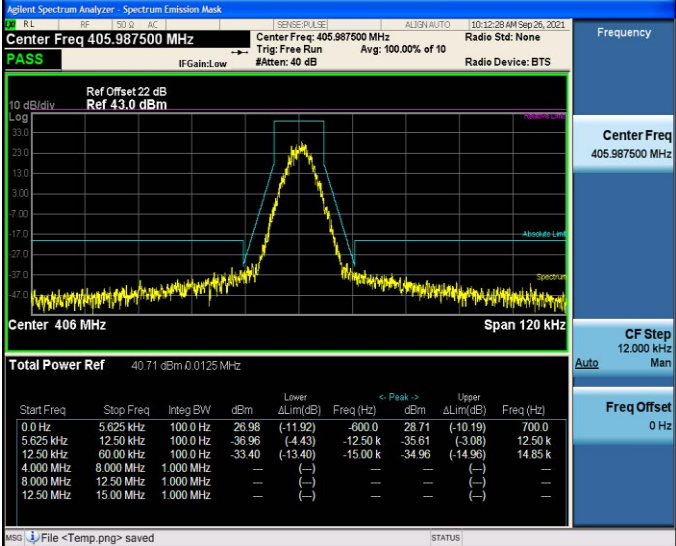
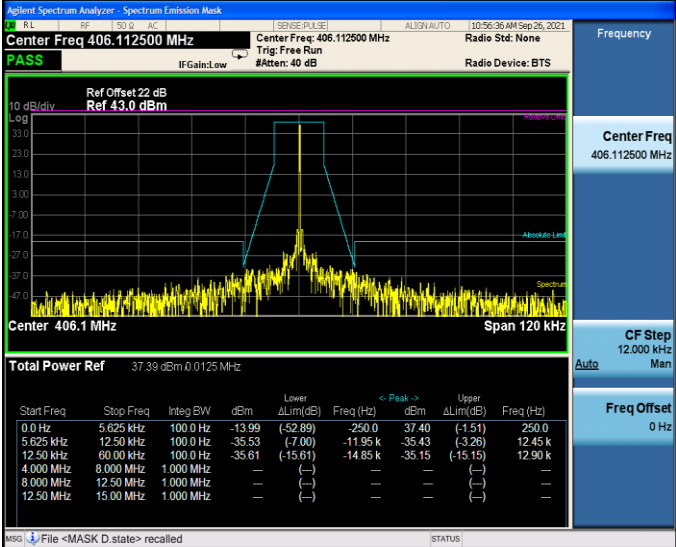
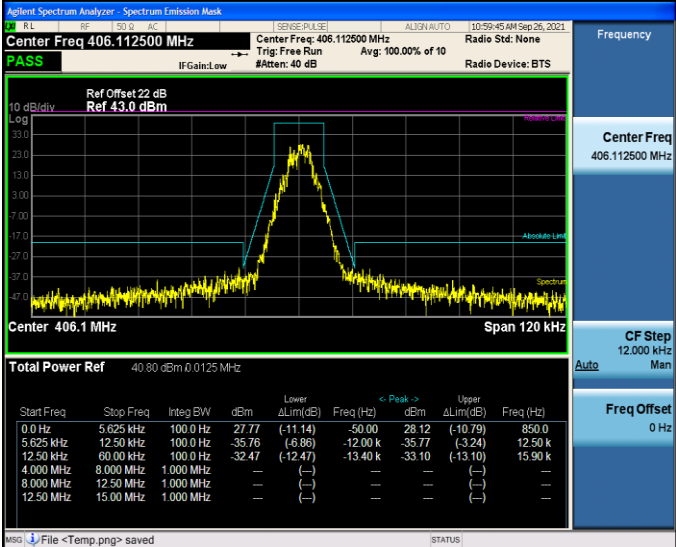
Appendix B:Occupied Bandwidth

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>Occupied Bandwidth: 9.979 kHz</p> <p>Total Power: 31.1 dBm</p> <p>Transmit Freq Error: 262 Hz</p> <p>x dB Bandwidth: 10.16 kHz</p>
TX-ANL	FM	CH _H	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 469.987500 MHz</p> <p>Occupied Bandwidth: 9.978 kHz</p> <p>Total Power: 30.3 dBm</p> <p>Transmit Freq Error: 287 Hz</p> <p>x dB Bandwidth: 10.16 kHz</p>

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.11 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Peak Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-15.95</td> <td>(-54.44)</td> <td>-100.0</td> <td>37.02</td> <td>(-1.47)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.98</td> <td>(-6.04)</td> <td>-12.50 k</td> <td>-37.98</td> <td>(-5.04)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.71</td> <td>(-15.71)</td> <td>-14.50 k</td> <td>-35.35</td> <td>(-15.35)</td> <td>13.80 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Peak Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-15.95	(-54.44)	-100.0	37.02	(-1.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.98	(-6.04)	-12.50 k	-37.98	(-5.04)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.71	(-15.71)	-14.50 k	-35.35	(-15.35)	13.80 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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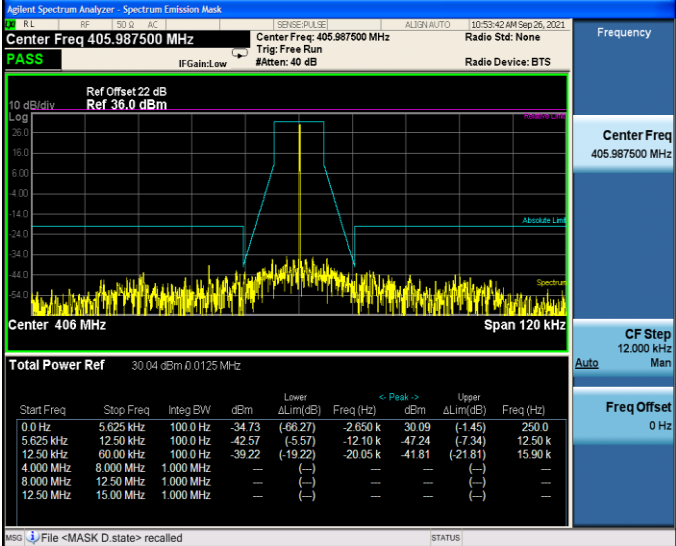
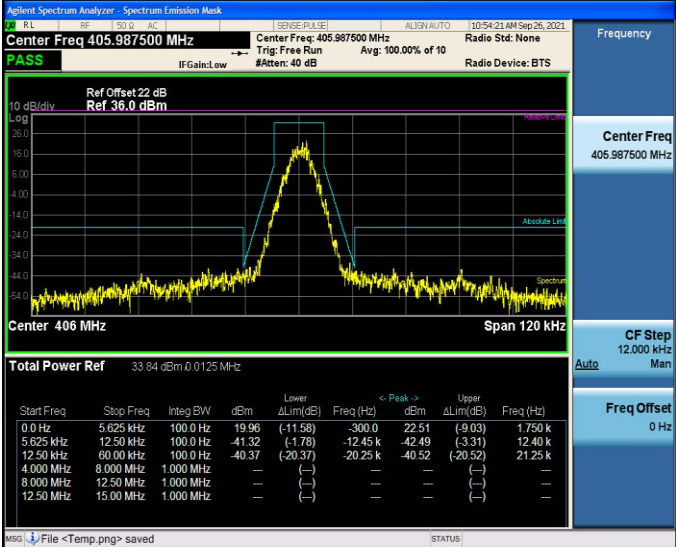
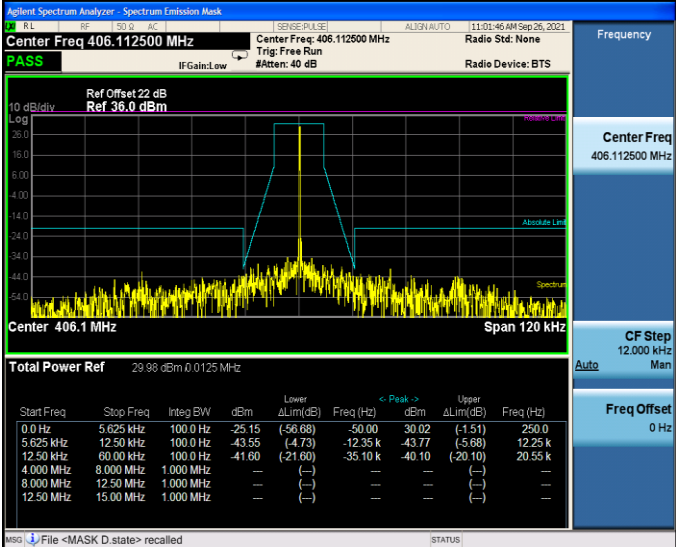
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Ref Offset 23 dB Ref 43.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 38.76 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>-15.22</td> <td>(-54.13)</td> <td>-200.0</td> <td>38.19</td> <td>(-0.72)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-36.07</td> <td>(-7.54)</td> <td>-11.95 k</td> <td>-38.39</td> <td>(-3.86)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-32.66</td> <td>(-12.66)</td> <td>-12.95 k</td> <td>-32.85</td> <td>(-12.85)</td> <td>13.50 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	-15.22	(-54.13)	-200.0	38.19	(-0.72)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.07	(-7.54)	-11.95 k	-38.39	(-3.86)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.66	(-12.66)	-12.95 k	-32.85	(-12.85)	13.50 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

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TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Ref Offset 23 dB Ref 43.0 dBm</p> <p>Center 470 MHz Span 120 kHz</p> <p>Total Power Ref 41.45 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>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.11</td> <td>(-9.62)</td> <td>0.0</td> <td>32.89</td> <td>(-5.84)</td> <td>900.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.79</td> <td>(-3.44)</td> <td>-12.45 k</td> <td>-34.64</td> <td>(-1.93)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-32.82</td> <td>(-12.82)</td> <td>-13.05 k</td> <td>-31.84</td> <td>(-11.84)</td> <td>13.20 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.11	(-9.62)	0.0	32.89	(-5.84)	900.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.79	(-3.44)	-12.45 k	-34.64	(-1.93)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.82	(-12.82)	-13.05 k	-31.84	(-11.84)	13.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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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 22 dB Ref 36.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 32.86 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>20.76</td> <td>(-10.77)</td> <td>-100.0</td> <td>20.47</td> <td>750.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.27</td> <td>(-6.36)</td> <td>-11.95 k</td> <td>-41.09</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.07</td> <td>(-21.07)</td> <td>-14.45 k</td> <td>-40.96</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> </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)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	20.76	(-10.77)	-100.0	20.47	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.27	(-6.36)	-11.95 k	-41.09	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.07	(-21.07)	-14.45 k	-40.96	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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TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Ref Offset 23 dB Ref 37.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 32.27 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-22.05</td> <td>(-54.55)</td> <td>-50.00</td> <td>31.68</td> <td>(-0.83)</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.34</td> <td>(7.04)</td> <td>-11.45 k</td> <td>-42.05</td> <td>(-4.90)</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.86</td> <td>(-21.86)</td> <td>-12.95 k</td> <td>-39.76</td> <td>(-13.70)</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)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-22.05	(-54.55)	-50.00	31.68	(-0.83)	5.625 kHz	12.50 kHz	100.0 Hz	-38.34	(7.04)	-11.45 k	-42.05	(-4.90)	12.50 kHz	60.00 kHz	100.0 Hz	-41.86	(-21.86)	-12.95 k	-39.76	(-13.70)	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	—
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TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Ref Offset 23 dB Ref 36.0 dBm</p> <p>Center 470 MHz Span 120 kHz</p> <p>Total Power Ref 30.93 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>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>-22.14</td> <td>(-53.66)</td> <td>-150.0</td> <td>30.82</td> <td>(-0.70)</td> <td>300.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.30</td> <td>(-5.29)</td> <td>-12.10 k</td> <td>-42.51</td> <td>(-7.68)</td> <td>11.80 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.30</td> <td>(-20.30)</td> <td>-14.00 k</td> <td>-38.39</td> <td>(-18.39)</td> <td>14.55 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	-22.14	(-53.66)	-150.0	30.82	(-0.70)	300.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.30	(-5.29)	-12.10 k	-42.51	(-7.68)	11.80 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.30	(-20.30)	-14.00 k	-38.39	(-18.39)	14.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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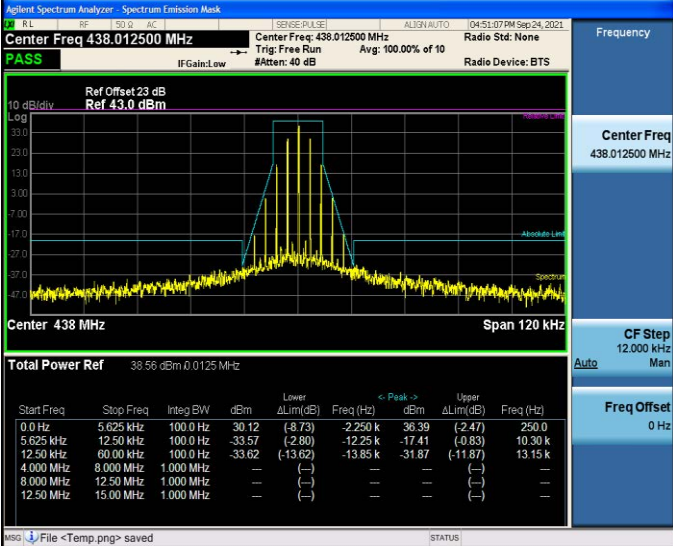
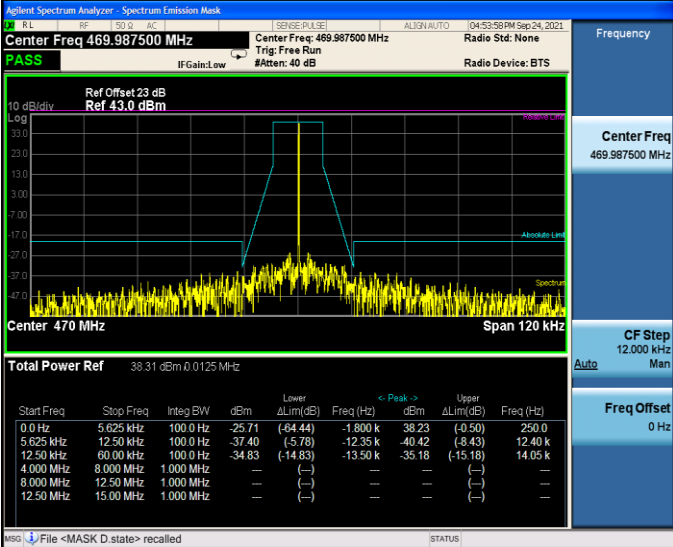
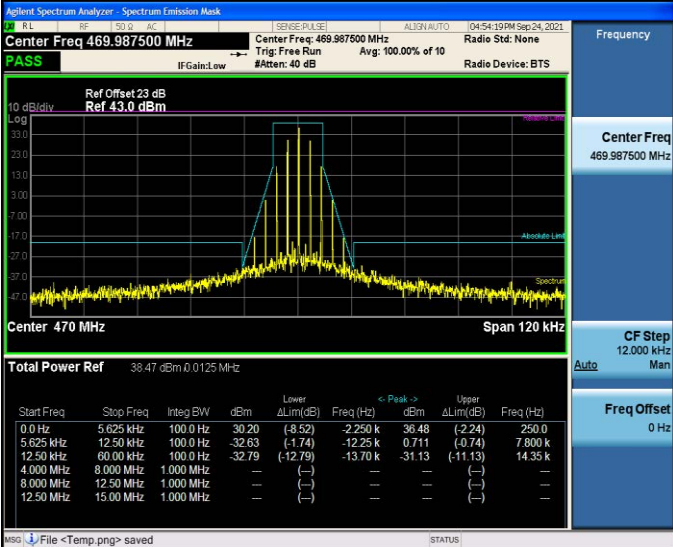
Appendix C:Emission Mask

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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>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Center 400 MHz Span 120 kHz</p> <p>Total Power Ref 37.10 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>29.10</td> <td>(-9.37)</td> <td>-2.250 k</td> <td>35.36</td> <td>(-3.11)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.14</td> <td>(-0.62)</td> <td>-12.30 k</td> <td>-34.47</td> <td>(-1.50)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.63</td> <td>(-14.63)</td> <td>-12.85 k</td> <td>-33.24</td> <td>(-13.24)</td> <td>13.55 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.10	(-9.37)	-2.250 k	35.36	(-3.11)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.14	(-0.62)	-12.30 k	-34.47	(-1.50)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.63	(-14.63)	-12.85 k	-33.24	(-13.24)	13.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-ANH	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 43.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 37.37 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-25.43</td> <td>(-64.23)</td> <td>-2.350 k</td> <td>37.39</td> <td>(-1.41)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.83</td> <td>(5.01)</td> <td>-12.25 k</td> <td>-37.86</td> <td>(-5.74)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.46</td> <td>(-16.46)</td> <td>-15.05 k</td> <td>-34.04</td> <td>(-14.04)</td> <td>12.55 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-25.43	(-64.23)	-2.350 k	37.39	(-1.41)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.83	(5.01)	-12.25 k	-37.86	(-5.74)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.46	(-16.46)	-15.05 k	-34.04	(-14.04)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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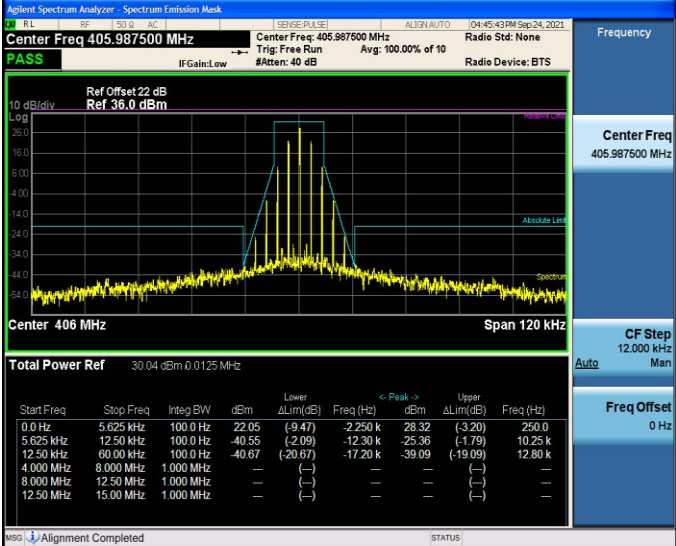
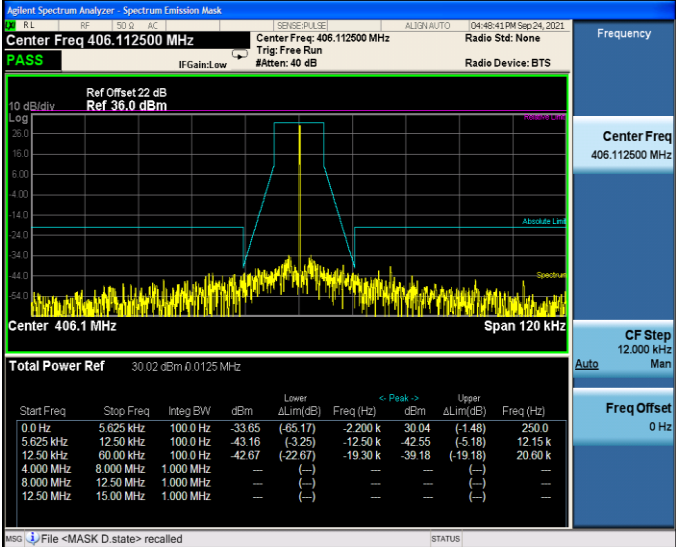
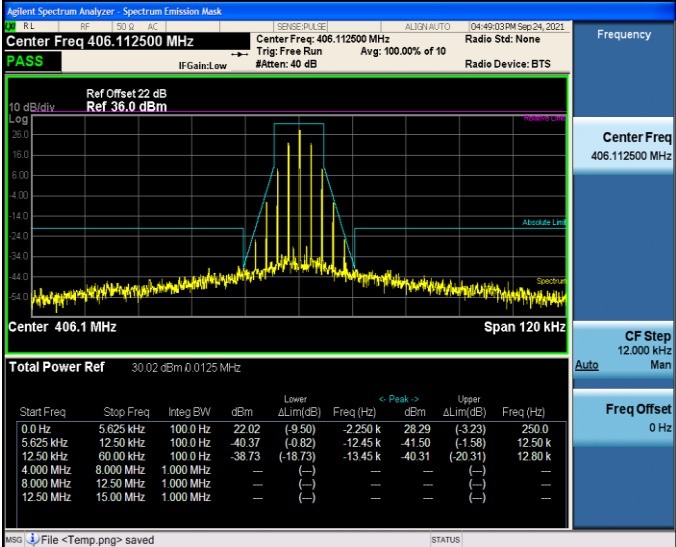
Appendix C:Emission Mask

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 Center Freq: 438.012500 MHz Radio Std: None</p> <p>Ref Offset 23 dB Ref 43.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 38.56 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>30.12</td> <td>(-8.73)</td> <td>-2.250 k</td> <td>36.39</td> <td>(-2.47)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-33.57</td> <td>(-2.80)</td> <td>-12.25 k</td> <td>-17.41</td> <td>(-0.83)</td> <td>10.30 k</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>-13.85 k</td> <td>-31.87</td> <td>(-11.87)</td> <td>13.15 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	30.12	(-8.73)	-2.250 k	36.39	(-2.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.57	(-2.80)	-12.25 k	-17.41	(-0.83)	10.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.62	(-13.62)	-13.85 k	-31.87	(-11.87)	13.15 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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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 36.0 dBm</p> <p>Total Power Ref 30.41 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>-34.81</td> <td>(-86.63)</td> <td>-2.400 k</td> <td>30.35</td> <td>(-1.47)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.41</td> <td>(-4.97)</td> <td>-12.20 k</td> <td>-41.12</td> <td>(-5.14)</td> <td>12.00 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.23</td> <td>(-22.23)</td> <td>-13.50 k</td> <td>-42.90</td> <td>(-22.90)</td> <td>20.55 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	-34.81	(-86.63)	-2.400 k	30.35	(-1.47)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.41	(-4.97)	-12.20 k	-41.12	(-5.14)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.23	(-22.23)	-13.50 k	-42.90	(-22.90)	20.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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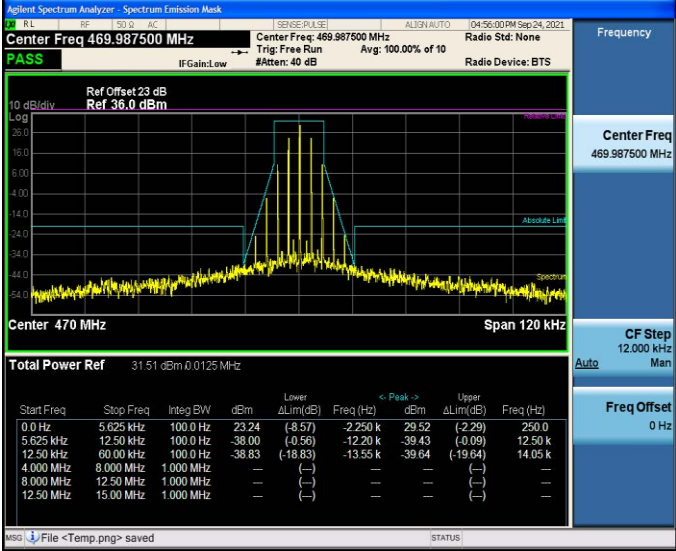
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5.625 kHz	12.50 kHz	100.0 Hz	-37.61	(0.54)	-12.25 k	-5.678	(8.90)	7.800 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-37.97	(-17.97)	-13.70 k	-38.56	(-18.56)	12.75 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 23 dB Ref 36.0 dBm</p> <p>Center 470 MHz Span 120 kHz</p> <p>Total Power Ref 31.34 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>-33.74</td> <td>(-85.55)</td> <td>-3.200 k</td> <td>31.26</td> <td>(-0.55)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.52</td> <td>(-8.34)</td> <td>-11.75 k</td> <td>-45.18</td> <td>(-5.55)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.14</td> <td>(-21.14)</td> <td>-19.15 k</td> <td>-39.12</td> <td>(-19.12)</td> <td>12.55 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <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	-33.74	(-85.55)	-3.200 k	31.26	(-0.55)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.52	(-8.34)	-11.75 k	-45.18	(-5.55)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.14	(-21.14)	-19.15 k	-39.12	(-19.12)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

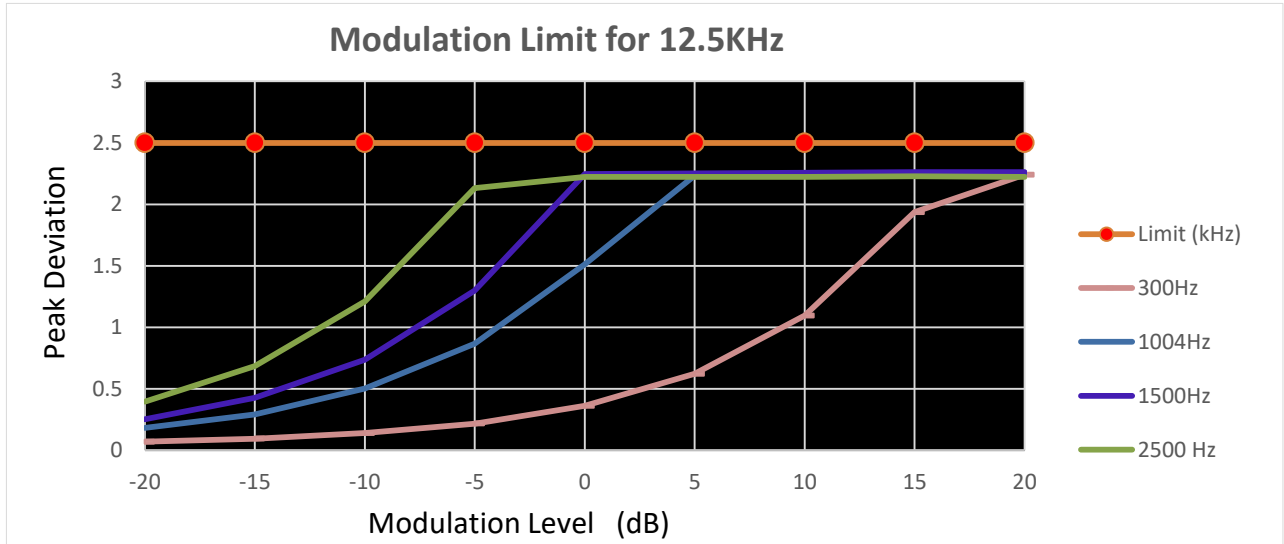
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _H	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>Ref Offset 23 dB Ref 36.0 dBm</p> <p>Center Freq 469.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg: 100.00% of 10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Center 470 MHz</p> <p>Span 120 kHz</p> <p>Total Power Ref 31.51 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>23.24</td> <td>(-8.57)</td> <td>-2.250 k</td> <td>29.52</td> <td>(-2.29)</td> <td>250.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.00</td> <td>(-0.56)</td> <td>-12.20 k</td> <td>-39.43</td> <td>(-0.09)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-38.83</td> <td>(-18.83)</td> <td>-13.55 k</td> <td>-39.64</td> <td>(-19.64)</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>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	23.24	(-8.57)	-2.250 k	29.52	(-2.29)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.00	(-0.56)	-12.20 k	-39.43	(-0.09)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.83	(-18.83)	-13.55 k	-39.64	(-19.64)	14.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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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	0.07	0.183	0.253	0.396	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.095	0.293	0.427	0.684	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.14	0.503	0.738	1.21	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.217	0.868	1.299	2.132	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.362	1.513	2.246	2.222	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.622	2.234	2.252	2.223	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.096	2.243	2.257	2.223	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.936	2.242	2.261	2.227	2.5	PASS
TX-ANH	FM	CH _{M2}	20	2.241	2.245	2.262	2.222	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

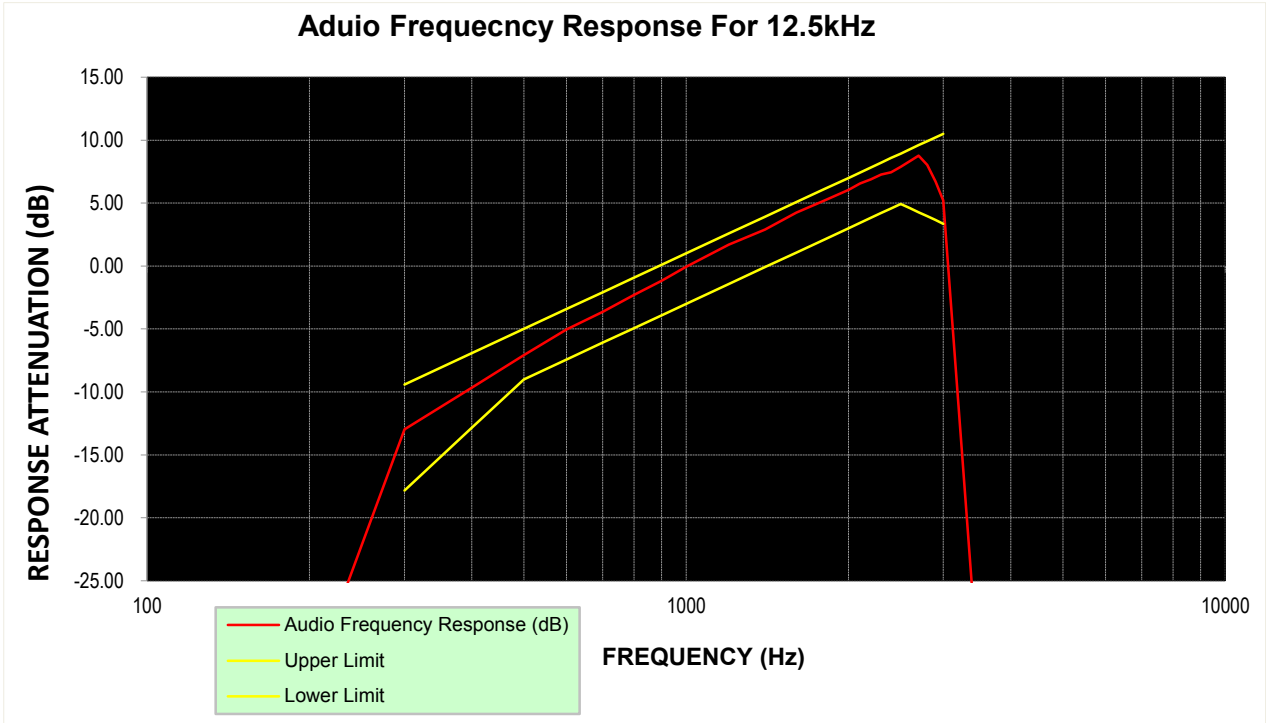


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-33.39			PASS
TX-ANH	FM	CH _{M2}	200	-33.41			PASS
TX-ANH	FM	CH _{M2}	300	-12.97	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-9.66	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-7.07	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-5.04	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.65	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.28	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.18	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.05	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.69	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.90	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.23	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.18	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.04	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	6.54	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	6.89	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	7.26	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	7.44	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.87	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	8.34	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	8.77	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.02	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	6.70	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	5.21	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-33.46			PASS
TX-ANH	FM	CH _{M2}	4000	-33.88			PASS
TX-ANH	FM	CH _{M2}	4500	-33.82			PASS
TX-ANH	FM	CH _{M2}	5000	-33.81			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



Note: The highest audio frequency response at 3kHz<3.125kHz, so meet the requirement.

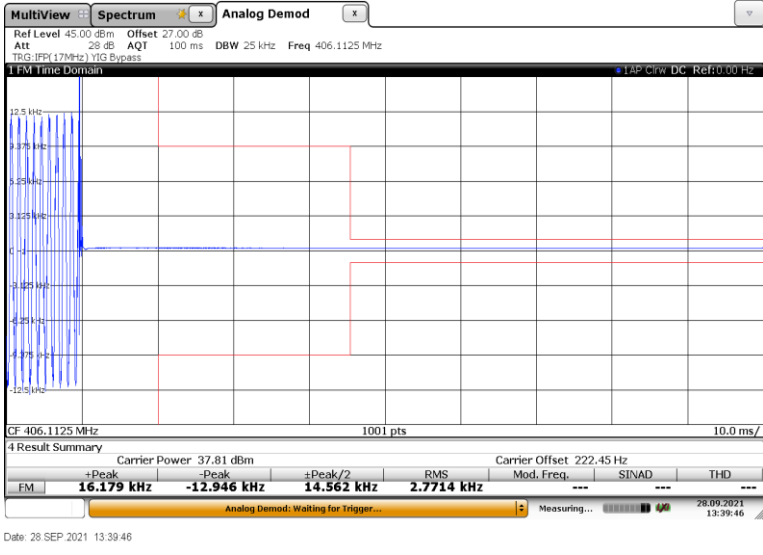
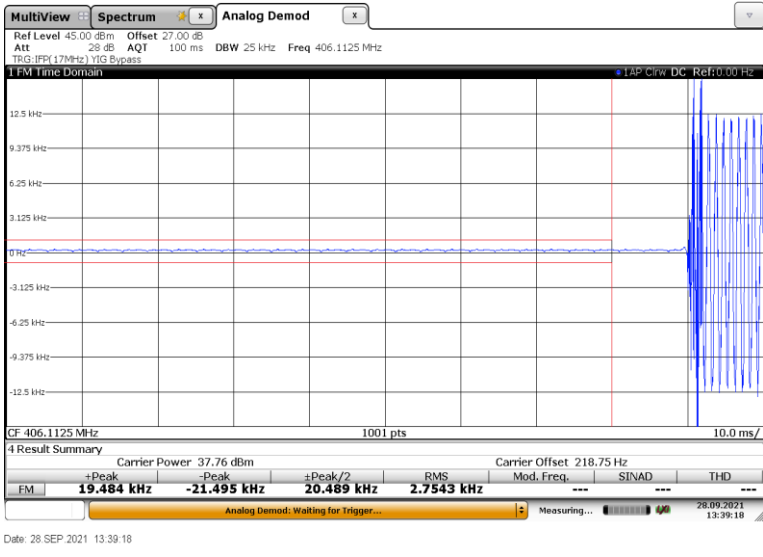
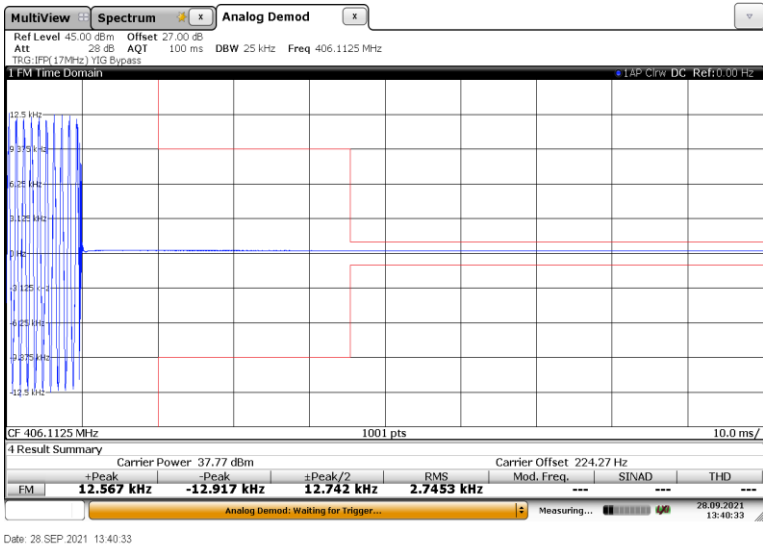
Appendix F:Frequency Stability Test & Temperature

Operatio n Mode	Modulati on Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Tempera ture	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	0.233	0.221	0.230	0.251	0.256	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.221	0.223	0.228	0.230	0.261	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.230	0.228	0.230	0.239	0.265	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.216	0.229	0.231	0.231	0.262	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.220	0.222	0.224	0.243	0.266	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.222	0.227	0.225	0.239	0.259	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.232	0.222	0.218	0.244	0.271	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.222	0.238	0.223	0.232	0.250	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.213	0.240	0.224	0.247	0.267	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.221	0.233	0.233	0.250	0.257	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.214	0.232	0.238	0.255	0.269	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.221	0.233	0.233	0.242	0.256	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.218	0.237	0.225	0.239	0.255	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.202	0.230	0.227	0.240	0.266	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.222	0.220	0.237	0.236	0.248	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.208	0.239	0.219	0.253	0.269	±5.0	PASS
TX-ANH	FM	V _N	-30	0.685	0.693	0.728	0.710	0.679	±5.0	PASS
TX-ANH	FM	V _N	-20	0.700	0.706	0.686	0.683	0.708	±5.0	PASS
TX-ANH	FM	V _N	-10	0.730	0.713	0.720	0.689	0.731	±5.0	PASS
TX-ANH	FM	V _N	0	0.721	0.738	0.718	0.681	0.684	±5.0	PASS
TX-ANH	FM	V _N	10	0.673	0.712	0.731	0.697	0.709	±5.0	PASS
TX-ANH	FM	V _N	20	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V _N	30	0.729	0.721	0.681	0.718	0.732	±5.0	PASS
TX-ANH	FM	V _N	40	0.701	0.731	0.686	0.704	0.714	±5.0	PASS
TX-ANH	FM	V _N	50	0.718	0.706	0.726	0.732	0.686	±5.0	PASS
TX-ANL	FM	V _N	-30	0.722	0.709	0.692	0.701	0.714	±5.0	PASS
TX-ANL	FM	V _N	-20	0.729	0.737	0.695	0.689	0.733	±5.0	PASS
TX-ANL	FM	V _N	-10	0.672	0.706	0.687	0.736	0.687	±5.0	PASS
TX-ANL	FM	V _N	0	0.700	0.710	0.680	0.720	0.679	±5.0	PASS
TX-ANL	FM	V _N	10	0.684	0.702	0.742	0.671	0.687	±5.0	PASS
TX-ANL	FM	V _N	20	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V _N	30	0.701	0.721	0.729	0.699	0.732	±5.0	PASS
TX-ANL	FM	V _N	40	0.730	0.684	0.688	0.732	0.686	±5.0	PASS
TX-ANL	FM	V _N	50	0.681	0.722	0.738	0.716	0.724	±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	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.214	0.218	0.220	0.233	0.247	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.225	0.226	0.219	0.237	0.258	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.203	0.220	0.220	0.233	0.249	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.205	0.225	0.217	0.239	0.250	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.680	0.678	0.681	0.681	0.676	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.713	0.698	0.681	0.703	0.709	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.676	0.677	0.682	0.680	0.676	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.675	0.697	0.698	0.693	0.689	±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 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFP(17MHz) YIG Bypass</p> <p>1 FM Time Domain</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>Carrier Power</th> <th>Carrier Offset</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>37.81 dBm</td> <td>222.45 Hz</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FM</td> <td>+Peak 16.179 kHz</td> <td>-Peak -12.946 kHz</td> <td>+Peak/2 14.562 kHz</td> <td>RMS 2.7714 kHz</td> <td>Mod.Freq. ---</td> <td>SINAD ---</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 28.09.2021 13:39:46</p> <p>Date: 28 SEP 2021 13:39:46</p>		Carrier Power	Carrier Offset						37.81 dBm	222.45 Hz					FM	+Peak 16.179 kHz	-Peak -12.946 kHz	+Peak/2 14.562 kHz	RMS 2.7714 kHz	Mod.Freq. ---	SINAD ---
	Carrier Power	Carrier Offset																						
	37.81 dBm	222.45 Hz																						
FM	+Peak 16.179 kHz	-Peak -12.946 kHz	+Peak/2 14.562 kHz	RMS 2.7714 kHz	Mod.Freq. ---	SINAD ---																		
TX-DNH	4FSK	CH _{M2}	 <p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFP(17MHz) YIG Bypass</p> <p>1 FM Time Domain</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>Carrier Power</th> <th>Carrier Offset</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>37.76 dBm</td> <td>218.75 Hz</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FM</td> <td>+Peak 19.484 kHz</td> <td>-Peak -21.495 kHz</td> <td>+Peak/2 20.489 kHz</td> <td>RMS 2.7543 kHz</td> <td>Mod.Freq. ---</td> <td>SINAD ---</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 28.09.2021 13:39:18</p> <p>Date: 28 SEP 2021 13:39:18</p>		Carrier Power	Carrier Offset						37.76 dBm	218.75 Hz					FM	+Peak 19.484 kHz	-Peak -21.495 kHz	+Peak/2 20.489 kHz	RMS 2.7543 kHz	Mod.Freq. ---	SINAD ---
	Carrier Power	Carrier Offset																						
	37.76 dBm	218.75 Hz																						
FM	+Peak 19.484 kHz	-Peak -21.495 kHz	+Peak/2 20.489 kHz	RMS 2.7543 kHz	Mod.Freq. ---	SINAD ---																		
TX-ANH	FM	CH _{M2}	 <p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFP(17MHz) YIG Bypass</p> <p>1 FM Time Domain</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>Carrier Power</th> <th>Carrier Offset</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>37.77 dBm</td> <td>224.27 Hz</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FM</td> <td>+Peak 12.567 kHz</td> <td>-Peak -12.917 kHz</td> <td>+Peak/2 12.742 kHz</td> <td>RMS 2.7453 kHz</td> <td>Mod.Freq. ---</td> <td>SINAD ---</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 28.09.2021 13:40:33</p> <p>Date: 28 SEP 2021 13:40:33</p>		Carrier Power	Carrier Offset						37.77 dBm	224.27 Hz					FM	+Peak 12.567 kHz	-Peak -12.917 kHz	+Peak/2 12.742 kHz	RMS 2.7453 kHz	Mod.Freq. ---	SINAD ---
	Carrier Power	Carrier Offset																						
	37.77 dBm	224.27 Hz																						
FM	+Peak 12.567 kHz	-Peak -12.917 kHz	+Peak/2 12.742 kHz	RMS 2.7453 kHz	Mod.Freq. ---	SINAD ---																		

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																						
TX-ANH	FM	CHM2	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 45.00 dBm Offset 27.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG:IFP(17MHz) YIG Bypass</p> <p>1 FM Time Domain IAP Cirw DC Ref:0.00 Hz</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>Carrier Power</th> <th>Carrier Offset</th> </tr> </thead> <tbody> <tr> <td></td> <td>37.78 dBm</td> <td>218.61 Hz</td> </tr> </tbody> </table> <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>16.173 kHz</td> <td>-16.236 kHz</td> <td>16.204 kHz</td> <td>2.7714 kHz</td> <td>---</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 28.09.2021 13:39:25</p> <p>Date: 28 SEP 2021 13:39:25</p>		Carrier Power	Carrier Offset		37.78 dBm	218.61 Hz		+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	16.173 kHz	-16.236 kHz	16.204 kHz	2.7714 kHz	---	---	---
	Carrier Power	Carrier Offset																							
	37.78 dBm	218.61 Hz																							
	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	SINAD	THD																		
FM	16.173 kHz	-16.236 kHz	16.204 kHz	2.7714 kHz	---	---	---																		