

Project No.	SHT2111082202EW		
Test sample No.	YPHT21110822004	Model No.	RB25
Start test date	2021/12/21	Finish date	2022/3/1
Temperature	23.9°C	Humidity	47%
Test Engineer	<i>Casper Chen</i>	Auditor	<i>Xiaolong Zhu</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	3/1	PASS
B	Occupied Bandwidth	12/30	PASS
C	Emission Mask	3/1	PASS
D	Modulation Limit	12/30	PASS
E	Audio Frequency Response	12/30	PASS
F	Frequency Stability Test & Temperature	12/30	PASS
G	Frequency Stability Test & Voltage	12/30	PASS
H	Transmitter Frequency Behavior	12/30	PASS
I	Spurious Emission On Antenna Port	3/1	PASS

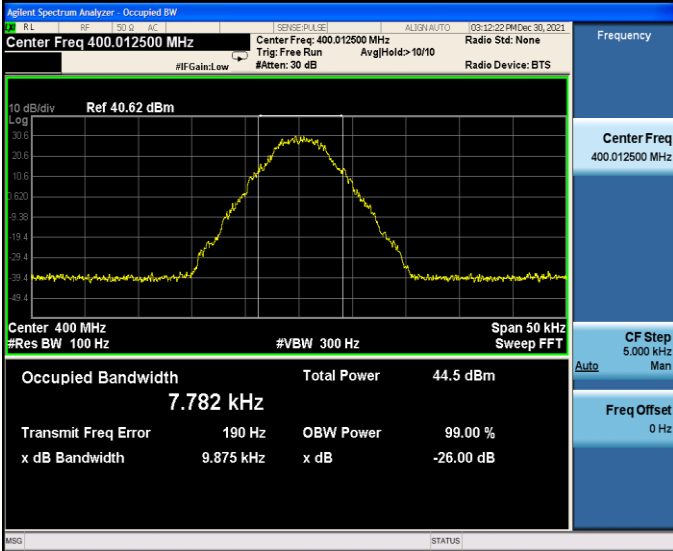
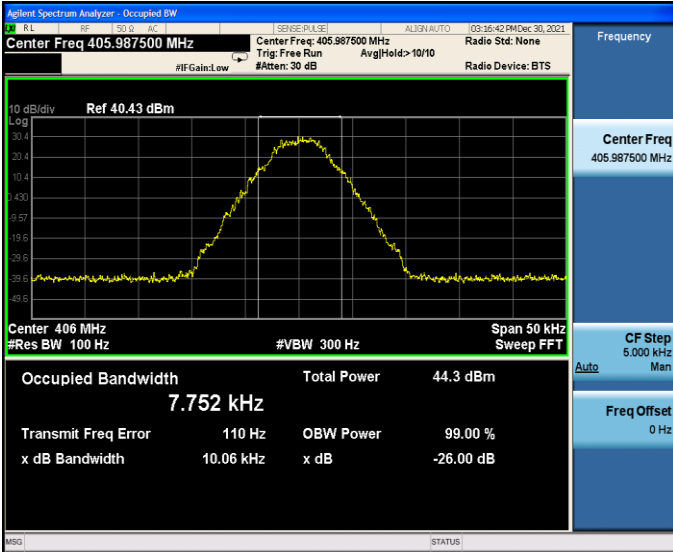
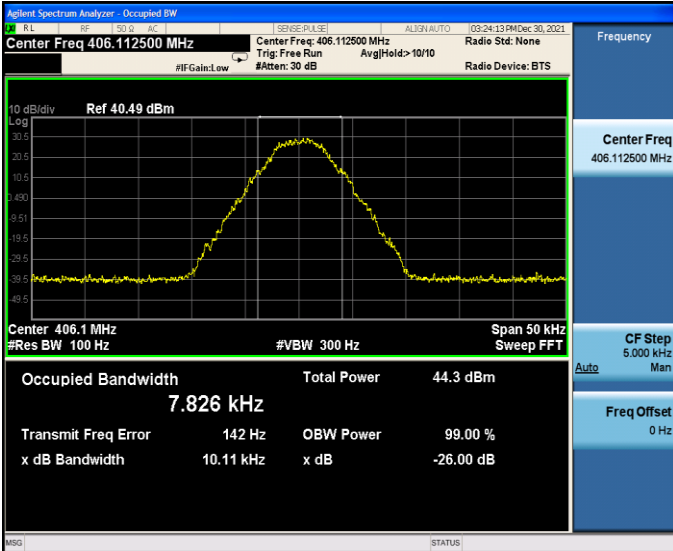
Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage(%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	36.2	4.12	4.00	3.0	±20	PASS
TX-DNH	4FSK	CH _{M1}	36.0	3.99	4.00	-0.2	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.1	4.04	4.00	1.0	±20	PASS
TX-DNH	4FSK	CH _{M3}	36.1	4.05	4.00	1.3	±20	PASS
TX-DNH	4FSK	CH _H	36.6	4.58	4.00	14.5	±20	PASS
TX-DNL	4FSK	CH _L	29.8	0.95	1.00	-5.0	±20	PASS
TX-DNL	4FSK	CH _{M1}	29.6	0.91	1.00	-9.0	±20	PASS
TX-DNL	4FSK	CH _{M2}	29.6	0.91	1.00	-9.0	±20	PASS
TX-DNL	4FSK	CH _{M3}	29.3	0.85	1.00	-15.0	±20	PASS
TX-DNL	4FSK	CH _H	29.8	0.95	1.00	-5.0	±20	PASS
TX-ANH	FM	CH _L	35.9	3.91	4.00	-2.3	±20	PASS
TX-ANH	FM	CH _{M1}	35.8	3.77	4.00	-5.8	±20	PASS
TX-ANH	FM	CH _{M2}	35.9	3.85	4.00	-3.8	±20	PASS
TX-ANH	FM	CH _{M3}	36.2	4.13	4.00	3.3	±20	PASS
TX-ANH	FM	CH _H	36.2	4.17	4.00	4.3	±20	PASS
TX-ANL	FM	CH _L	29.1	0.81	1.00	-19.0	±20	PASS
TX-ANL	FM	CH _{M1}	29.2	0.83	1.00	-17.0	±20	PASS
TX-ANL	FM	CH _{M2}	29.3	0.85	1.00	-15.0	±20	PASS
TX-ANL	FM	CH _{M3}	29.1	0.81	1.00	-19.0	±20	PASS
TX-ANL	FM	CH _H	29.3	0.85	1.00	-15.0	±20	PASS

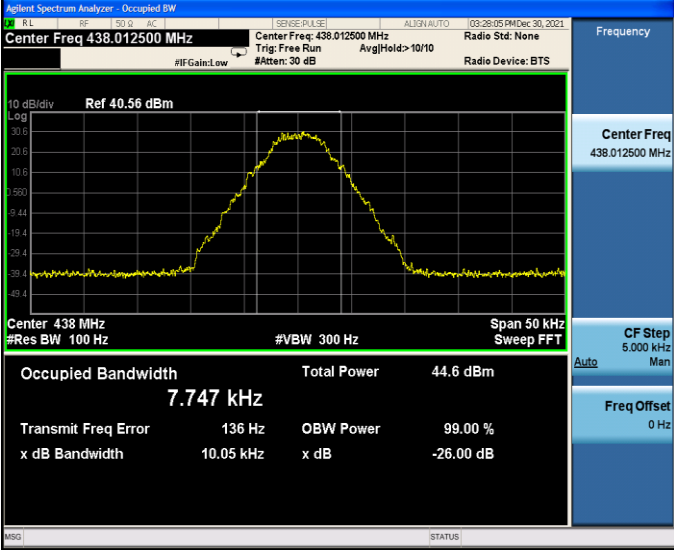
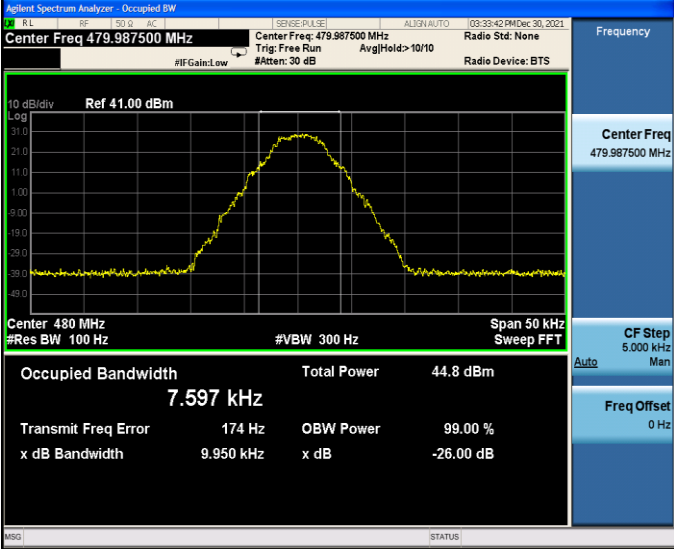
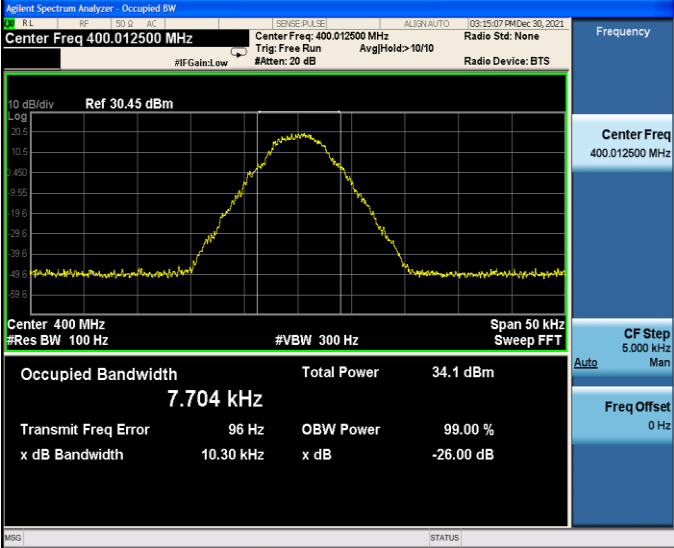
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH _L	7.782	9.875	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.752	10.060	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.826	10.110	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.747	10.050	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.597	9.950	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.704	10.300	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.799	9.800	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.772	10.030	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.912	10.160	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.660	10.070	≤11.25	PASS
TX-ANH	FM	CH _L	10.039	10.190	≤11.25	PASS
TX-ANH	FM	CH _{M1}	10.039	10.190	≤11.25	PASS
TX-ANH	FM	CH _{M2}	10.037	10.190	≤11.25	PASS
TX-ANH	FM	CH _{M3}	10.038	10.190	≤11.25	PASS
TX-ANH	FM	CH _H	10.038	10.190	≤11.25	PASS
TX-ANL	FM	CH _L	10.036	10.190	≤11.25	PASS
TX-ANL	FM	CH _{M1}	10.036	10.190	≤11.25	PASS
TX-ANL	FM	CH _{M2}	10.039	10.190	≤11.25	PASS
TX-ANL	FM	CH _{M3}	10.039	10.190	≤11.25	PASS
TX-ANL	FM	CH _H	10.042	10.200	≤11.25	PASS

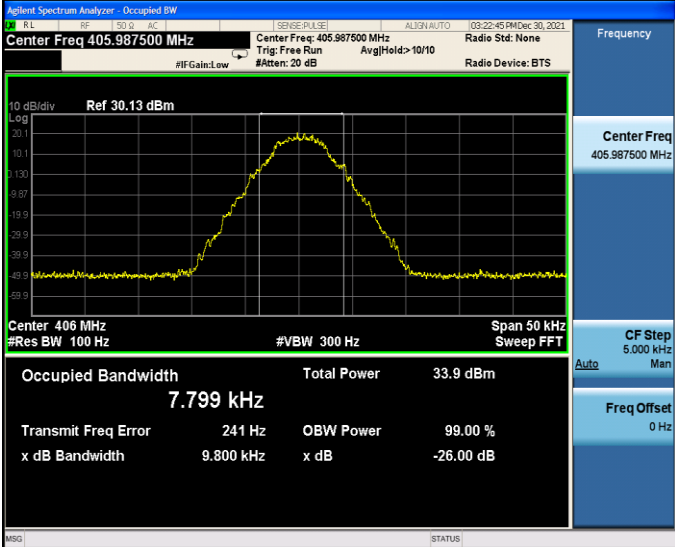
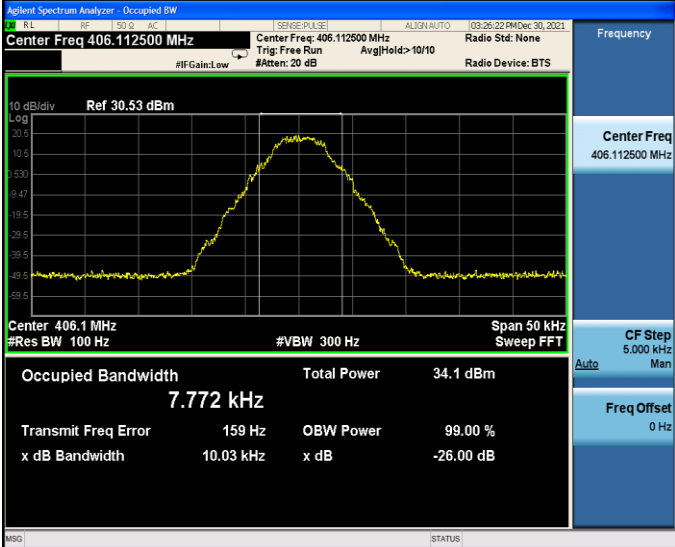
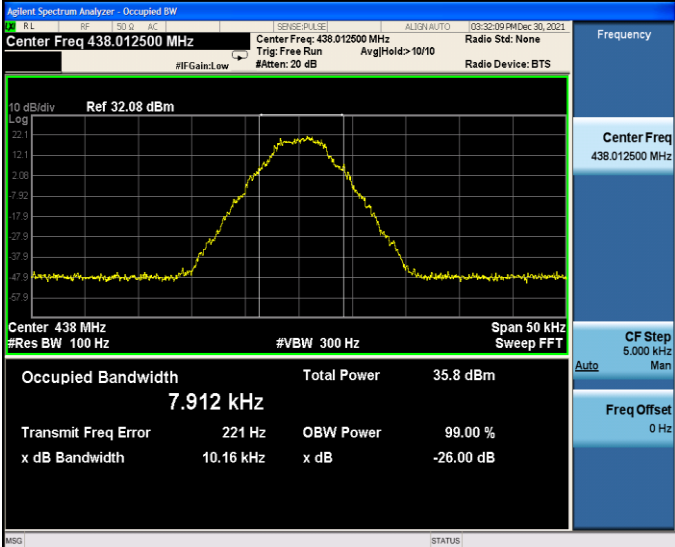
Appendix B:Occupied Bandwidth

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>Center Freq: 400.012500 MHz</p> <p>Trig: Free Run</p> <p>AvgHold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 40.62 dBm</p> <p>Center 400 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 7.782 kHz</p> <p>Total Power 44.5 dBm</p> <p>Transmit Freq Error 190 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.875 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 400.012500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Center Freq: 405.987500 MHz</p> <p>Trig: Free Run</p> <p>AvgHold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 40.43 dBm</p> <p>Center 406 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 7.752 kHz</p> <p>Total Power 44.3 dBm</p> <p>Transmit Freq Error 110 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.06 kHz</p> <p>x dB -26.00 dB</p> <p>Frequency 405.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-DNH	4FSK	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>AvgHold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 40.49 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 7.826 kHz</p> <p>Total Power 44.3 dBm</p> <p>Transmit Freq Error 142 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 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>

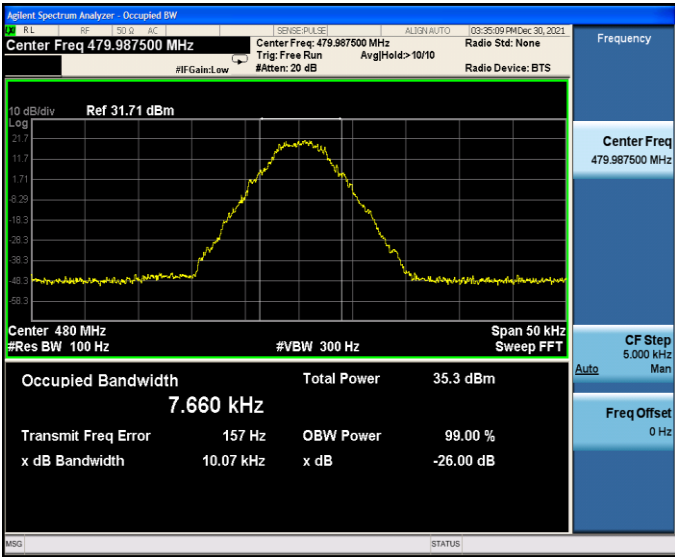
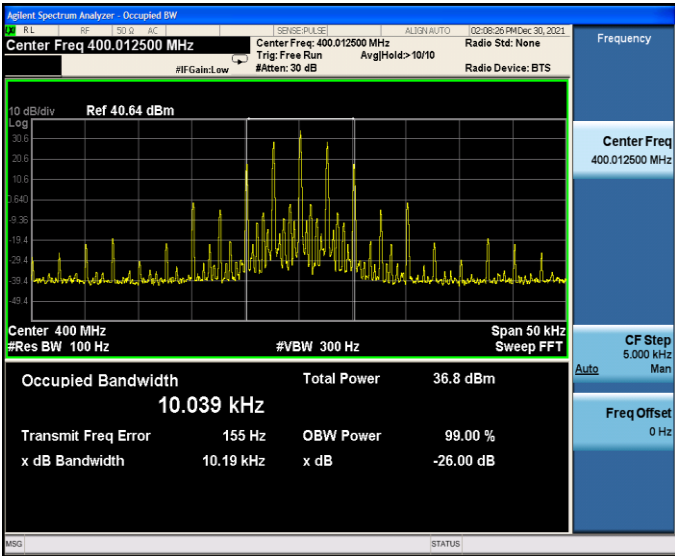
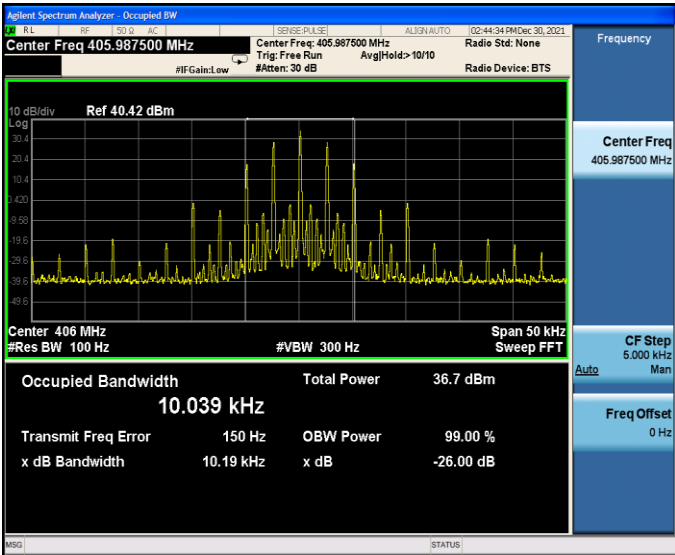
Appendix B:Occupied Bandwidth

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 Trig: Free Run AvgHold:>10/10</p> <p>Ref 40.56 dBm</p> <p>Center 438 MHz Span 50 kHz #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 44.6 dBm 7.747 kHz</p> <p>Transmit Freq Error 136 Hz OBW Power 99.00 % x dB Bandwidth 10.05 kHz x dB -26.00 dB</p> <p>Frequency: 438.012500 MHz CF Step: 5.000 kHz 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 Trig: Free Run AvgHold:>10/10</p> <p>Ref 41.00 dBm</p> <p>Center 480 MHz Span 50 kHz #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 44.8 dBm 7.597 kHz</p> <p>Transmit Freq Error 174 Hz OBW Power 99.00 % x dB Bandwidth 9.950 kHz x dB -26.00 dB</p> <p>Frequency: 479.987500 MHz CF Step: 5.000 kHz 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 Trig: Free Run AvgHold:>10/10</p> <p>Ref 30.45 dBm</p> <p>Center 400 MHz Span 50 kHz #Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 34.1 dBm 7.704 kHz</p> <p>Transmit Freq Error 96 Hz OBW Power 99.00 % x dB Bandwidth 10.30 kHz x dB -26.00 dB</p> <p>Frequency: 400.012500 MHz CF Step: 5.000 kHz Freq Offset: 0 Hz</p>

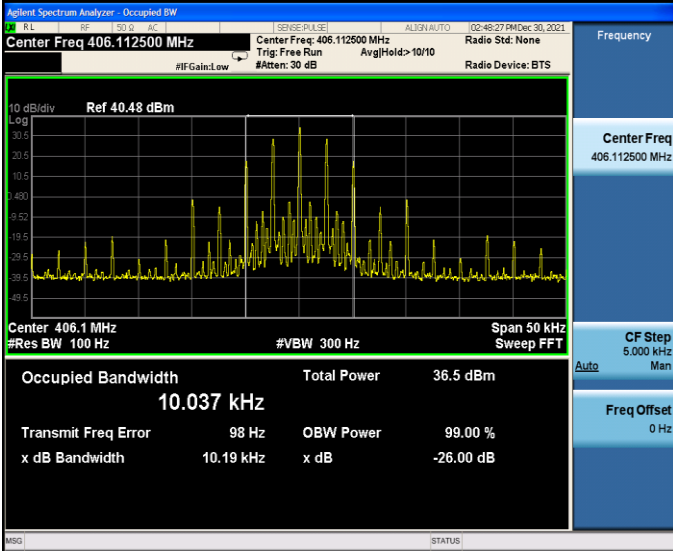
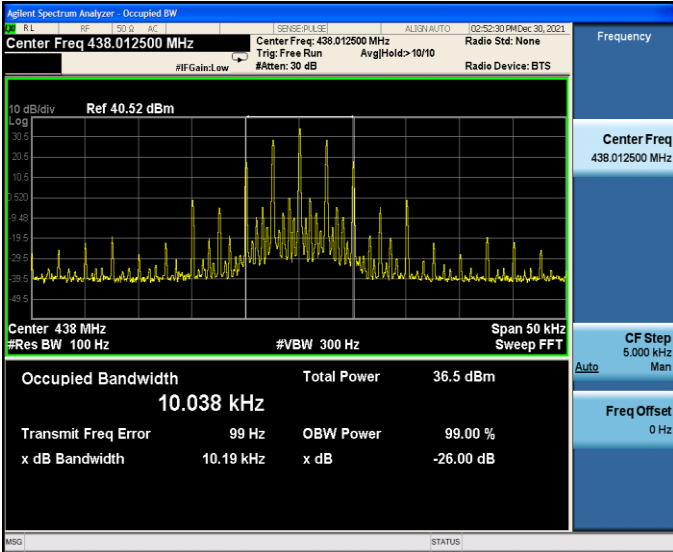
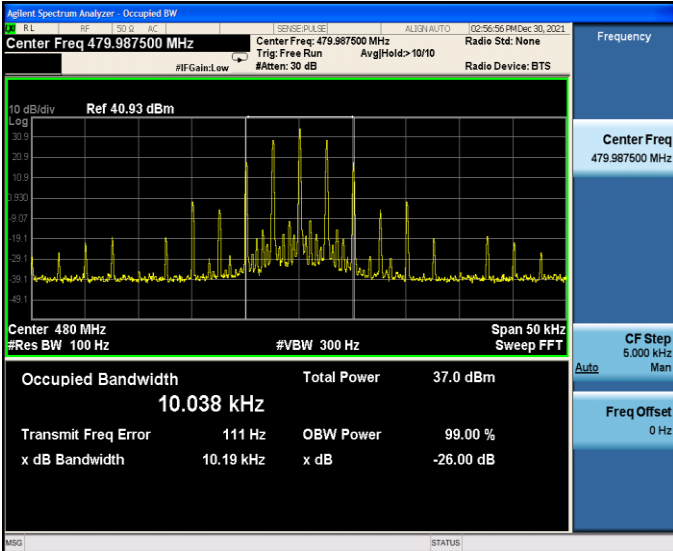
Appendix B:Occupied Bandwidth

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 30.13 dBm</p> <p>Occupied Bandwidth 7.799 kHz</p> <p>Total Power 33.9 dBm</p> <p>Transmit Freq Error 241 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.800 kHz</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 30.53 dBm</p> <p>Occupied Bandwidth 7.772 kHz</p> <p>Total Power 34.1 dBm</p> <p>Transmit Freq Error 159 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.03 kHz</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 32.08 dBm</p> <p>Occupied Bandwidth 7.912 kHz</p> <p>Total Power 35.8 dBm</p> <p>Transmit Freq Error 221 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.16 kHz</p> <p>x dB -26.00 dB</p>

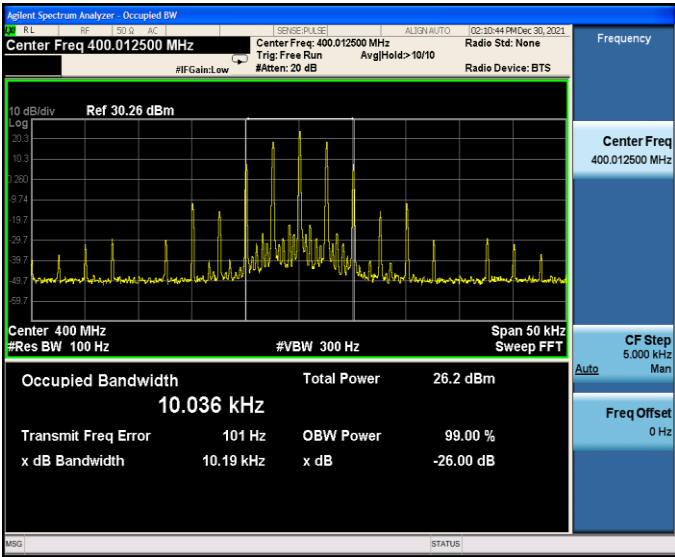
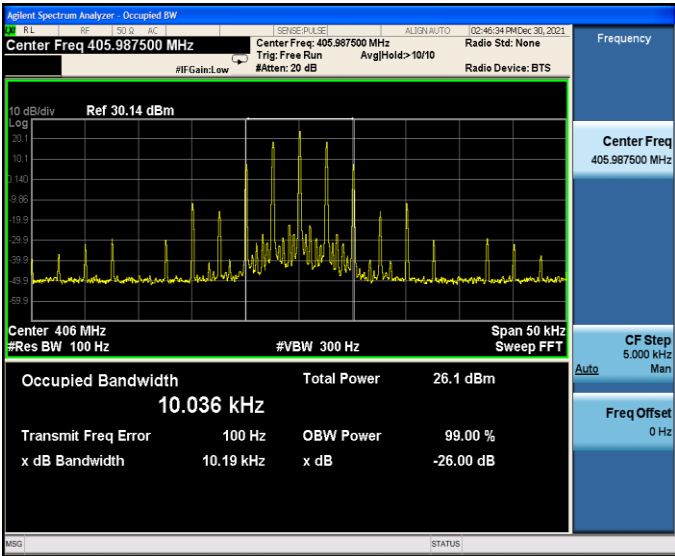
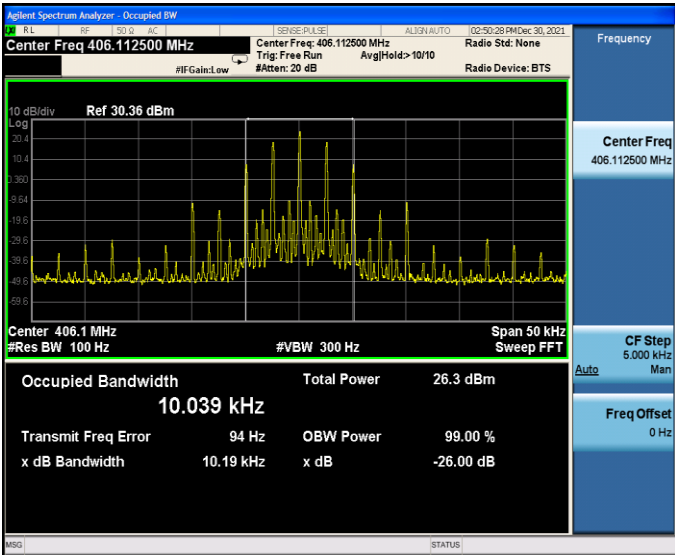
Appendix B:Occupied Bandwidth

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>Ref 31.71 dBm</p> <p>Center 480 MHz</p> <p>Res BW 100 Hz</p> <p>Occupied Bandwidth 7.660 kHz</p> <p>Total Power 35.3 dBm</p> <p>Transmit Freq Error 157 Hz</p> <p>x dB Bandwidth 10.07 kHz</p>
TX-ANH	FM	CH _L	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz</p> <p>Ref 40.64 dBm</p> <p>Center 400 MHz</p> <p>Res BW 100 Hz</p> <p>Occupied Bandwidth 10.039 kHz</p> <p>Total Power 36.8 dBm</p> <p>Transmit Freq Error 155 Hz</p> <p>x dB Bandwidth 10.19 kHz</p>
TX-ANH	FM	CH _{M1}	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz</p> <p>Ref 40.42 dBm</p> <p>Center 406 MHz</p> <p>Res BW 100 Hz</p> <p>Occupied Bandwidth 10.039 kHz</p> <p>Total Power 36.7 dBm</p> <p>Transmit Freq Error 150 Hz</p> <p>x dB Bandwidth 10.19 kHz</p>

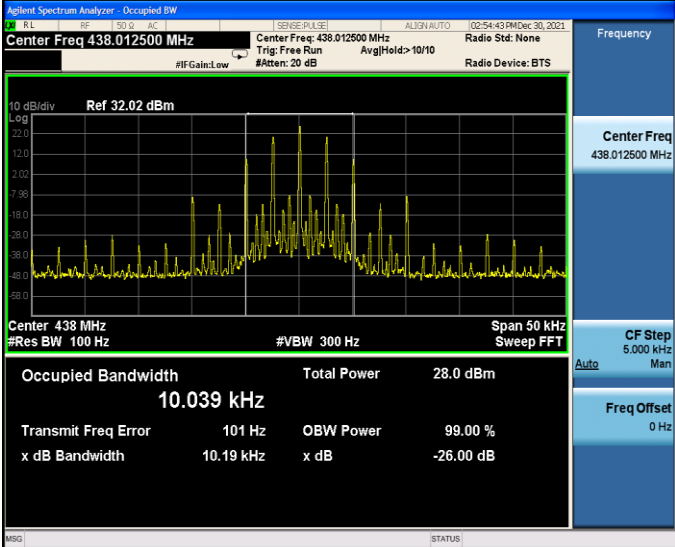
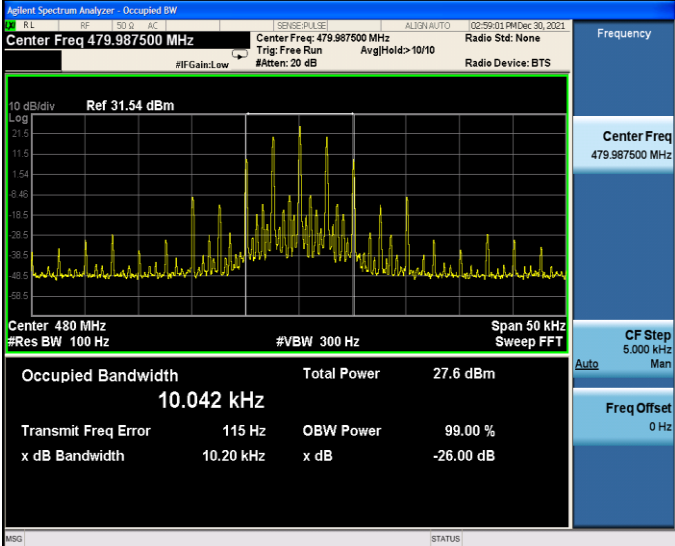
Appendix B:Occupied Bandwidth

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>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 40.48 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 10.037 kHz</p> <p>Total Power 36.5 dBm</p> <p>Transmit Freq Error 98 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</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>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 40.52 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 10.038 kHz</p> <p>Total Power 36.5 dBm</p> <p>Transmit Freq Error 99 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</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>Center Freq: 479.987500 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 40.93 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 10.038 kHz</p> <p>Total Power 37.0 dBm</p> <p>Transmit Freq Error 111 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</p> <p>x dB -26.00 dB</p>

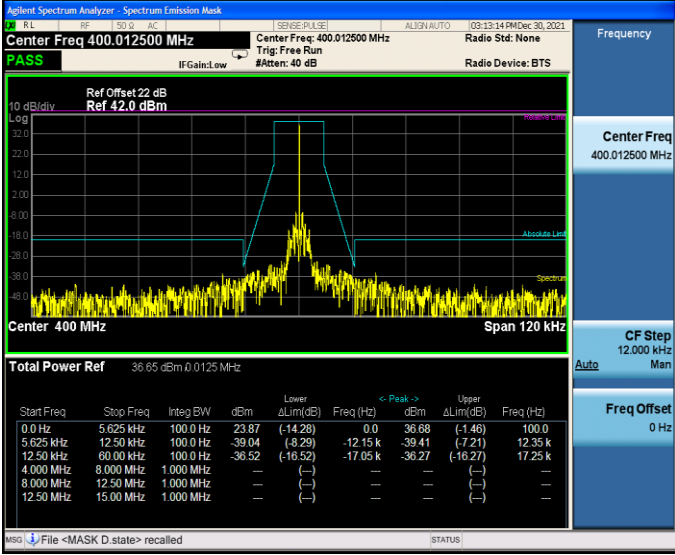
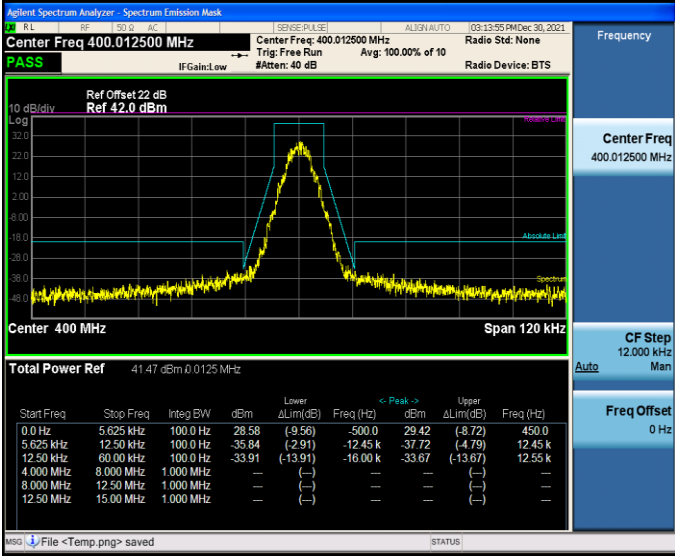
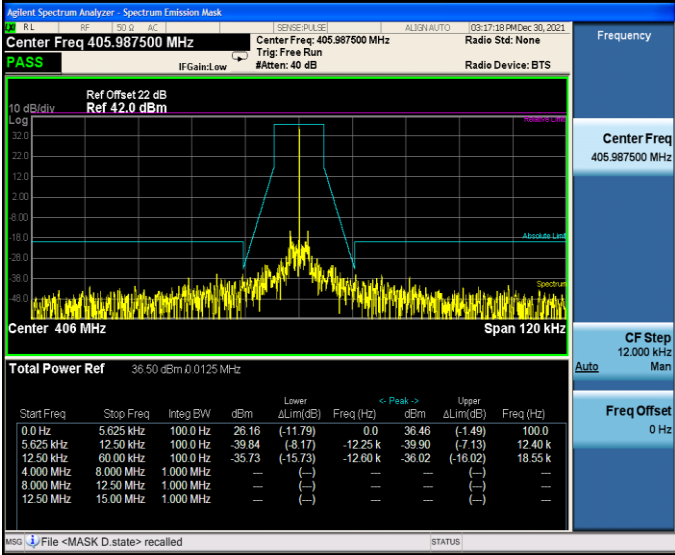
Appendix B:Occupied Bandwidth

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>Center Freq: 400.012500 MHz</p> <p>Trig: Free Run</p> <p>AvgHold>10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 30.26 dBm</p> <p>Center 400 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 10.036 kHz</p> <p>Total Power 26.2 dBm</p> <p>Transmit Freq Error 101 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</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>Center Freq: 405.987500 MHz</p> <p>Trig: Free Run</p> <p>AvgHold>10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 30.14 dBm</p> <p>Center 406 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 10.036 kHz</p> <p>Total Power 26.1 dBm</p> <p>Transmit Freq Error 100 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</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>Center Freq: 406.112500 MHz</p> <p>Trig: Free Run</p> <p>AvgHold>10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref 30.36 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 10.039 kHz</p> <p>Total Power 26.3 dBm</p> <p>Transmit Freq Error 94 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 kHz</p> <p>x dB -26.00 dB</p>

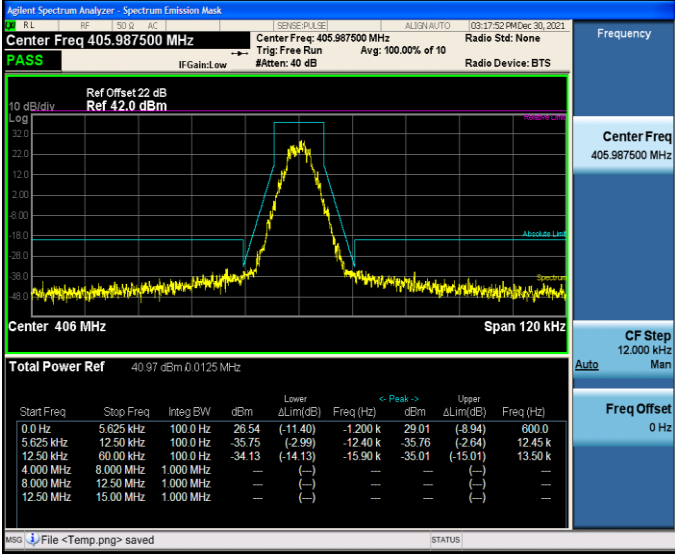
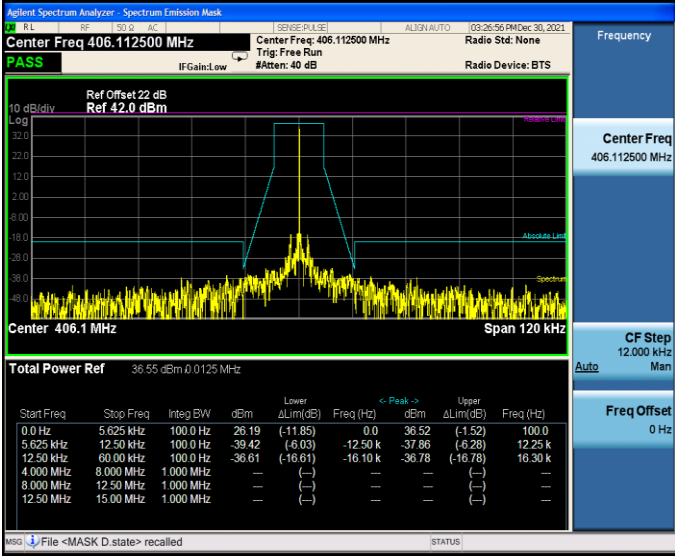
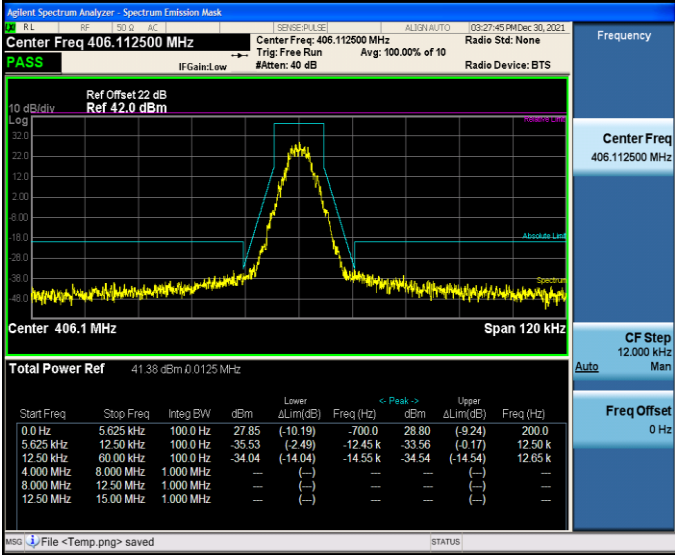
Appendix B:Occupied Bandwidth

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>Radio Device: BTS</p> <p>Ref 32.02 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 10.039 kHz</p> <p>Total Power 28.0 dBm</p> <p>Transmit Freq Error 101 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.19 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>Radio Device: BTS</p> <p>Ref 31.54 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 10.042 kHz</p> <p>Total Power 27.6 dBm</p> <p>Transmit Freq Error 115 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.20 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	 <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: 36.65 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>23.87</td> <td>(-14.28)</td> <td>0.0</td> <td>36.68</td> <td>(-1.46)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.04</td> <td>(-8.29)</td> <td>-12.15 k</td> <td>-39.41</td> <td>(-7.21)</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.52</td> <td>(-16.52)</td> <td>-17.05 k</td> <td>-36.27</td> <td>(-16.27)</td> <td>17.25 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	23.87	(-14.28)	0.0	36.68	(-1.46)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.04	(-8.29)	-12.15 k	-39.41	(-7.21)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.52	(-16.52)	-17.05 k	-36.27	(-16.27)	17.25 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-DNH	4FSK	CH _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: 41.47 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 MHz</td> <td>100.0 Hz</td> <td>28.58</td> <td>(9.50)</td> <td>-500.0</td> <td>29.42</td> <td>(-3.72)</td> <td>450.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-38.84</td> <td>(2.94)</td> <td>-12.45 k</td> <td>-37.72</td> <td>(-4.79)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.91</td> <td>(-13.91)</td> <td>-16.00 k</td> <td>-33.67</td> <td>(-13.67)</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 MHz	100.0 Hz	28.58	(9.50)	-500.0	29.42	(-3.72)	450.0	5.625 kHz	12.50 kHz	100.0 Hz	-38.84	(2.94)	-12.45 k	-37.72	(-4.79)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.91	(-13.91)	-16.00 k	-33.67	(-13.67)	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

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TX-DNH	4FSK	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 42.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 40.97 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>26.54</td> <td>(-11.40)</td> <td>-1.200 k</td> <td>29.01</td> <td>(-8.94)</td> <td>600.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.75</td> <td>(-2.99)</td> <td>-12.40 k</td> <td>-35.76</td> <td>(-2.64)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.13</td> <td>(-14.13)</td> <td>-15.90 k</td> <td>-35.01</td> <td>(-15.01)</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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.54	(-11.40)	-1.200 k	29.01	(-8.94)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.75	(-2.99)	-12.40 k	-35.76	(-2.64)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.13	(-14.13)	-15.90 k	-35.01	(-15.01)	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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TX-DNH	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>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 41.38 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>27.85</td> <td>(-10.19)</td> <td>-700.0</td> <td>28.80</td> <td>(-9.24)</td> <td>200.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.53</td> <td>(-2.49)</td> <td>-12.45 k</td> <td>-33.56</td> <td>(-0.17)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.04</td> <td>(-14.04)</td> <td>-14.55 k</td> <td>-34.54</td> <td>(-14.54)</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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.85	(-10.19)	-700.0	28.80	(-9.24)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.53	(-2.49)	-12.45 k	-33.56	(-0.17)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.04	(-14.04)	-14.55 k	-34.54	(-14.54)	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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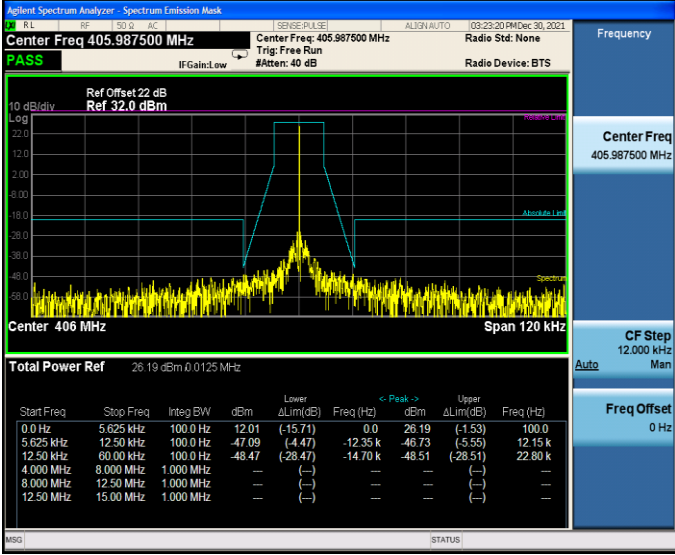
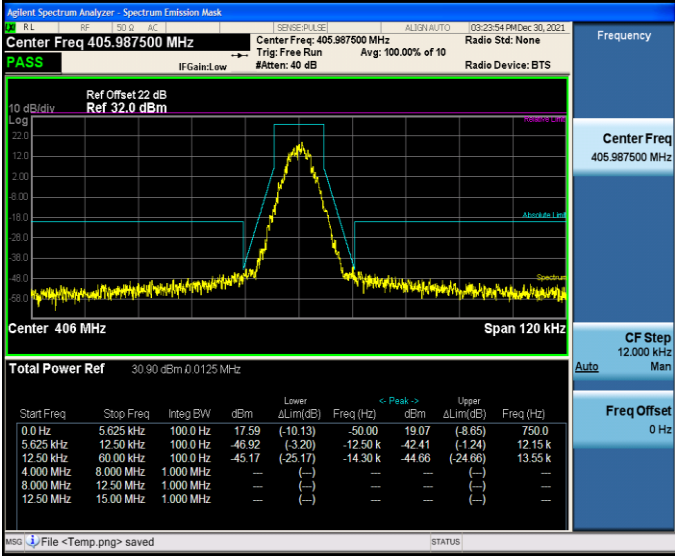
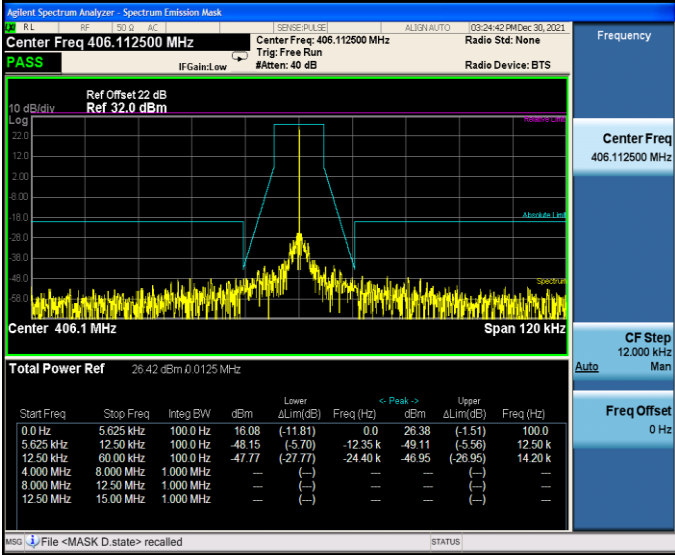
Appendix C:Emission Mask

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>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 23 dB Ref 42.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 37.20 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>16.05</td> <td>(-21.97)</td> <td>0.0</td> <td>37.23</td> <td>(-0.79)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.00</td> <td>(-8.30)</td> <td>-12.40 k</td> <td>-38.97</td> <td>(-6.64)</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.05</td> <td>(-15.05)</td> <td>-14.00 k</td> <td>-34.98</td> <td>(-14.98)</td> <td>14.25 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	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	16.05	(-21.97)	0.0	37.23	(-0.79)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.00	(-8.30)	-12.40 k	-38.97	(-6.64)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.05	(-15.05)	-14.00 k	-34.98	(-14.98)	14.25 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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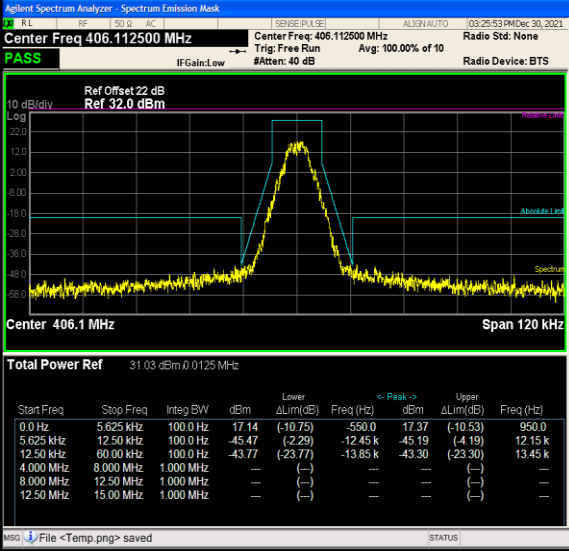
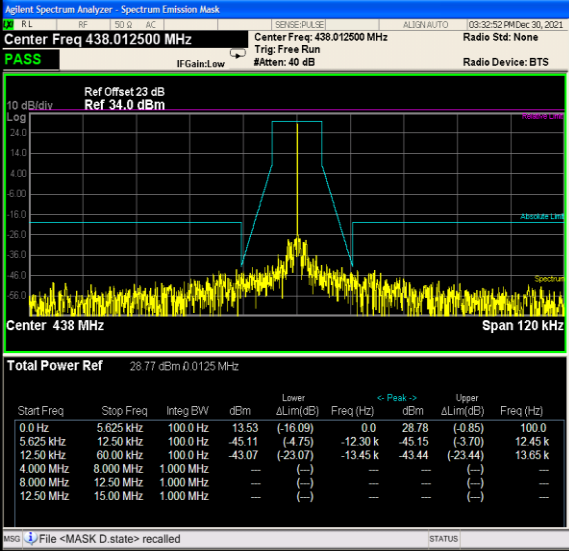
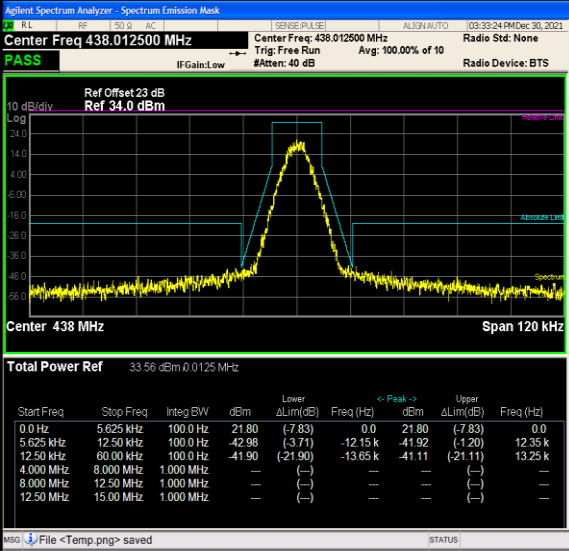
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	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>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Center 480 MHz Span 120 kHz</p> <p>Total Power Ref 41.38 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>27.54</td> <td>(-10.96)</td> <td>-900.0</td> <td>27.85</td> <td>(-10.85)</td> <td>350.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-34.45</td> <td>(-1.87)</td> <td>-12.45 k</td> <td>-33.58</td> <td>(-1.73)</td> <td>12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.08</td> <td>(-14.08)</td> <td>-13.35 k</td> <td>-34.01</td> <td>(-14.01)</td> <td>12.85 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)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.54	(-10.96)	-900.0	27.85	(-10.85)	350.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.45	(-1.87)	-12.45 k	-33.58	(-1.73)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.08	(-14.08)	-13.35 k	-34.01	(-14.01)	12.85 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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Appendix C:Emission Mask

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TX-DNL	4FSK	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 #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 32.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref 26.19 dBm @ 0.125 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>12.01</td> <td>(-15.71)</td> <td>0.0</td> <td>26.19</td> <td>(-1.53)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-47.09</td> <td>(-4.47)</td> <td>-12.35 k</td> <td>-46.73</td> <td>(-5.55)</td> <td>12.15 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-48.47</td> <td>(-28.47)</td> <td>-14.70 k</td> <td>-48.51</td> <td>(-28.51)</td> <td>22.80 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	12.01	(-15.71)	0.0	26.19	(-1.53)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-47.09	(-4.47)	-12.35 k	-46.73	(-5.55)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-48.47	(-28.47)	-14.70 k	-48.51	(-28.51)	22.80 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

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5.625 kHz	12.50 kHz	100.0 Hz	-45.47	(-2.29)	-12.45 k	-45.19	(-4.19)	12.15 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-43.77	(-23.77)	-13.85 k	-43.30	(-23.30)	13.45 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-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>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 23 dB Ref 34.0 dBm</p> <p>Center 438 MHz Span 120 kHz</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>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>13.53</td> <td>(-10.09)</td> <td>0.0</td> <td>28.78</td> <td>(-0.85)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.11</td> <td>(-4.75)</td> <td>-12.30 k</td> <td>-45.15</td> <td>(-3.70)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-43.07</td> <td>(-23.07)</td> <td>-13.45 k</td> <td>-43.44</td> <td>(-23.44)</td> <td>13.65 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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	13.53	(-10.09)	0.0	28.78	(-0.85)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.11	(-4.75)	-12.30 k	-45.15	(-3.70)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.07	(-23.07)	-13.45 k	-43.44	(-23.44)	13.65 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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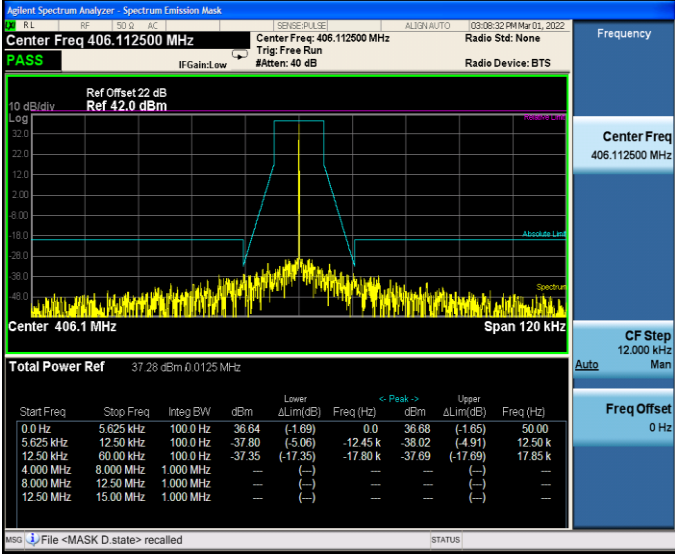
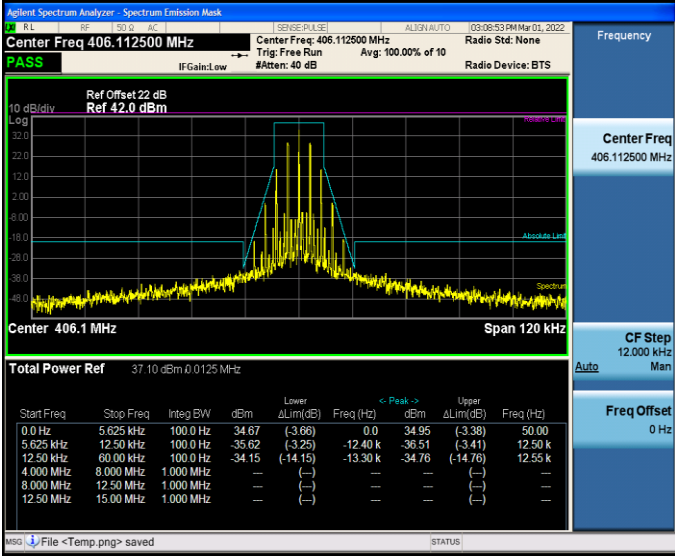
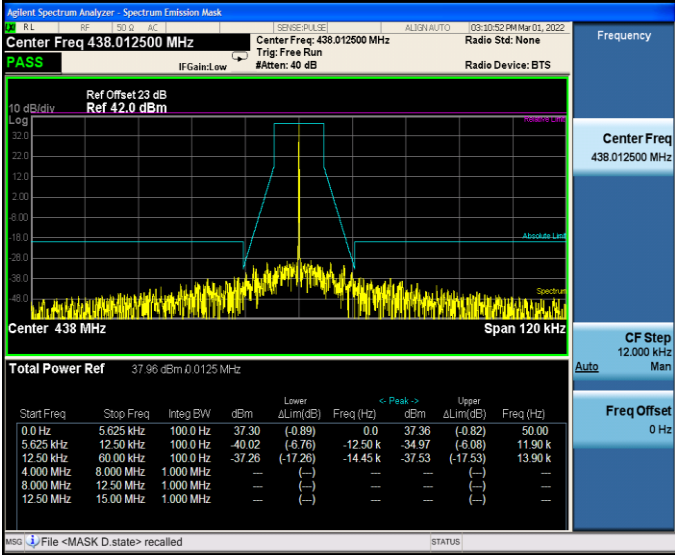
Appendix C:Emission Mask

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>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset: 22 dB Ref: 33.0 dBm</p> <p>Center: 480 MHz Span: 120 kHz</p> <p>Total Power Ref: 27.70 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>4.941</td> <td>(-24.25)</td> <td>0.0</td> <td>27.71</td> <td>(-1.48)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-45.50</td> <td>(-5.43)</td> <td>-12.20 k</td> <td>-45.80</td> <td>(-3.55)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-44.22</td> <td>(-24.22)</td> <td>-13.65 k</td> <td>-45.62</td> <td>(-25.62)</td> <td>12.95 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> </tbody> </table>	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	4.941	(-24.25)	0.0	27.71	(-1.48)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.50	(-5.43)	-12.20 k	-45.80	(-3.55)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.22	(-24.22)	-13.65 k	-45.62	(-25.62)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
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TX-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>Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset: 22 dB Ref: 33.0 dBm</p> <p>Center: 480 MHz Span: 120 kHz</p> <p>Total Power Ref: 32.44 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 MHz</td> <td>100.0 Hz</td> <td>20.16</td> <td>(-9.03)</td> <td>-300.0</td> <td>18.73</td> <td>(-10.46)</td> <td>1.500 k</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.20</td> <td>(2.86)</td> <td>-12.10 k</td> <td>-42.90</td> <td>(-1.38)</td> <td>12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-41.58</td> <td>(-21.58)</td> <td>-14.35 k</td> <td>-43.56</td> <td>(-23.56)</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)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 MHz	100.0 Hz	20.16	(-9.03)	-300.0	18.73	(-10.46)	1.500 k	5.625 kHz	12.50 kHz	100.0 Hz	-42.20	(2.86)	-12.10 k	-42.90	(-1.38)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.58	(-21.58)	-14.35 k	-43.56	(-23.56)	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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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 #Atten: 40 dB 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: 37.31 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>36.59</td> <td>(-1.57)</td> <td>0.0</td> <td>36.72</td> <td>(-1.44)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.16</td> <td>(-6.88)</td> <td>-12.50 k</td> <td>-36.09</td> <td>(-5.72)</td> <td>12.10 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.35</td> <td>(-16.35)</td> <td>-15.70 k</td> <td>-35.83</td> <td>(-15.83)</td> <td>16.00 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.59	(-1.57)	0.0	36.72	(-1.44)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.16	(-6.88)	-12.50 k	-36.09	(-5.72)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.35	(-16.35)	-15.70 k	-35.83	(-15.83)	16.00 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-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: 36.70 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>34.56</td> <td>(-3.59)</td> <td>0.0</td> <td>34.98</td> <td>(-3.18)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-33.75</td> <td>(-0.46)</td> <td>-12.50 k</td> <td>-34.47</td> <td>(-1.19)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.83</td> <td>(-15.83)</td> <td>-14.10 k</td> <td>-33.67</td> <td>(-13.67)</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	34.56	(-3.59)	0.0	34.98	(-3.18)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.75	(-0.46)	-12.50 k	-34.47	(-1.19)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.83	(-15.83)	-14.10 k	-33.67	(-13.67)	12.55 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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TX-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: 42.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref: 37.43 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>36.76</td> <td>(-1.59)</td> <td>0.0</td> <td>36.83</td> <td>(-1.52)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.90</td> <td>(6.82)</td> <td>-12.50 k</td> <td>-36.07</td> <td>(7.35)</td> <td>11.90 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.41</td> <td>(-15.41)</td> <td>-13.30 k</td> <td>-35.50</td> <td>(-15.50)</td> <td>13.35 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.76	(-1.59)	0.0	36.83	(-1.52)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-39.90	(6.82)	-12.50 k	-36.07	(7.35)	11.90 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.41	(-15.41)	-13.30 k	-35.50	(-15.50)	13.35 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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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 Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 42.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 37.28 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>36.64</td> <td>(-1.69)</td> <td>0.0</td> <td>36.68</td> <td>(-1.65)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.80</td> <td>(-5.06)</td> <td>-12.45 k</td> <td>-38.02</td> <td>(-4.91)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-37.35</td> <td>(-17.35)</td> <td>-17.80 k</td> <td>-37.69</td> <td>(-17.69)</td> <td>17.85 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)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.64	(-1.69)	0.0	36.68	(-1.65)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.80	(-5.06)	-12.45 k	-38.02	(-4.91)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.35	(-17.35)	-17.80 k	-37.69	(-17.69)	17.85 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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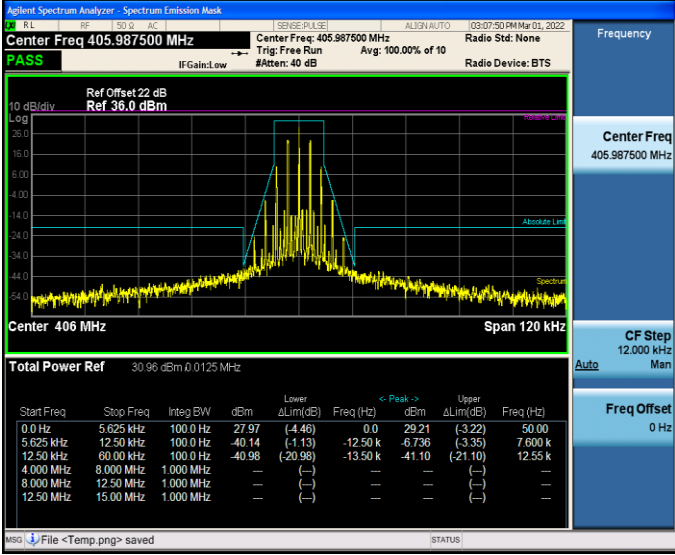
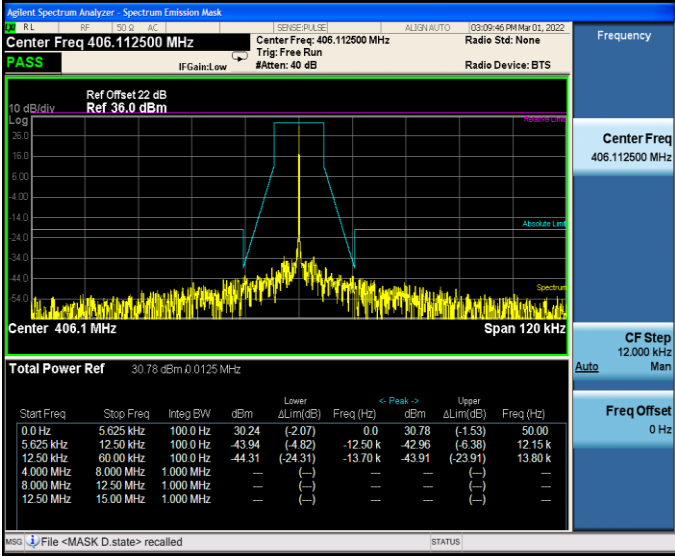
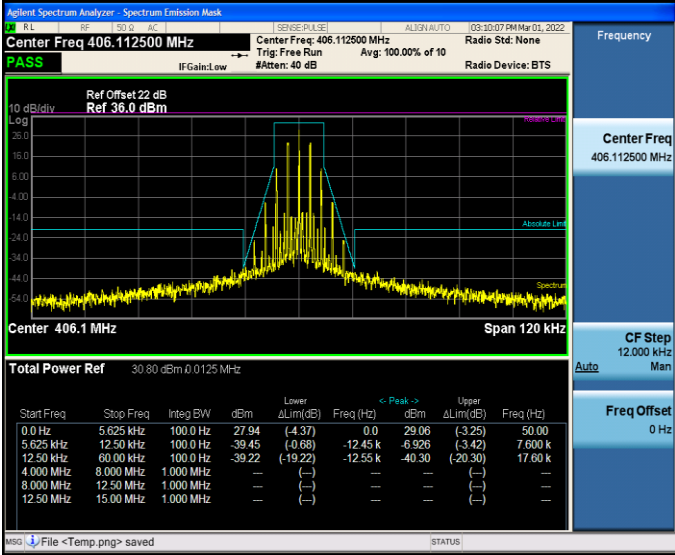
Appendix C:Emission Mask

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>Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 23 dB Ref 42.0 dBm</p> <p>Center 438 MHz Span 120 kHz</p> <p>Total Power Ref 37.41 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>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>35.34</td> <td>(-2.85)</td> <td>0.0</td> <td>35.65</td> <td>(-2.53)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-33.64</td> <td>(-0.75)</td> <td>-12.45 k</td> <td>-32.90</td> <td>(-0.35)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.23</td> <td>(-14.23)</td> <td>-12.75 k</td> <td>-32.13</td> <td>(-12.13)</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	35.34	(-2.85)	0.0	35.65	(-2.53)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-33.64	(-0.75)	-12.45 k	-32.90	(-0.35)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.23	(-14.23)	-12.75 k	-32.13	(-12.13)	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

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TX-ANL	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 #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 35.0 dBm</p> <p>Center 400 MHz Span 120 kHz</p> <p>Total Power Ref 29.63 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>28.97</td> <td>(-2.16)</td> <td>0.0</td> <td>29.63</td> <td>(-1.51)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-47.18</td> <td>(-6.88)</td> <td>-12.50 k</td> <td>-43.58</td> <td>(-6.91)</td> <td>12.00 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-45.61</td> <td>(-25.61)</td> <td>-13.40 k</td> <td>-45.05</td> <td>(-25.05)</td> <td>13.10 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.97	(-2.16)	0.0	29.63	(-1.51)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-47.18	(-6.88)	-12.50 k	-43.58	(-6.91)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.61	(-25.61)	-13.40 k	-45.05	(-25.05)	13.10 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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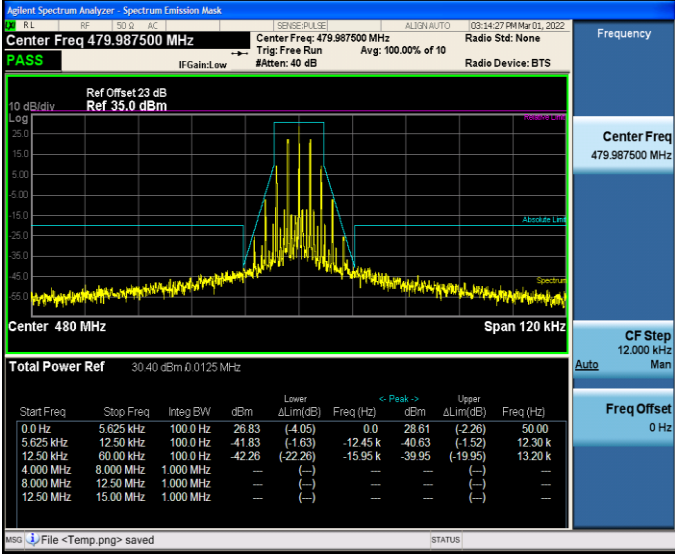
Appendix C:Emission Mask

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 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 36.0 dBm</p> <p>Center 406 MHz Span 120 kHz</p> <p>Total Power Ref: 30.96 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>27.97</td> <td>(-4.46)</td> <td>0.0</td> <td>29.21</td> <td>(-3.22)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-40.14</td> <td>(-1.13)</td> <td>-12.50 k</td> <td>-6.736</td> <td>(-3.35)</td> <td>7.600 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.98</td> <td>(-20.98)</td> <td>-13.50 k</td> <td>-41.10</td> <td>(-21.10)</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	27.97	(-4.46)	0.0	29.21	(-3.22)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.14	(-1.13)	-12.50 k	-6.736	(-3.35)	7.600 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.98	(-20.98)	-13.50 k	-41.10	(-21.10)	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

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5.625 kHz	12.50 kHz	100.0 Hz	-39.23	(0.08)	-12.49 k	-41.13	(-1.81)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.52	(-21.52)	-14.45 k	-40.02	(-20.02)	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	--	(--)	--	--	(--)	--																																																										
TX-ANL	FM	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq: 479.987500 MHz, Radio Std: None, Radio Device: BTS</p> <p>Ref Offset 23 dB, Ref 35.0 dBm</p> <p>Total Power Ref: 30.30 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>29.35</td> <td>(-1.53)</td> <td>0.0</td> <td>30.34</td> <td>(-0.54)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.87</td> <td>(-3.40)</td> <td>-12.35 k</td> <td>-44.07</td> <td>(-3.87)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.28</td> <td>(-22.28)</td> <td>-15.30 k</td> <td>-41.93</td> <td>(-21.93)</td> <td>15.45 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>--</td> <td>(--)</td> <td>--</td> <td>--</td> <td>(--)</td> <td>--</td> </tr> </tbody> </table>	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	29.35	(-1.53)	0.0	30.34	(-0.54)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.87	(-3.40)	-12.35 k	-44.07	(-3.87)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.28	(-22.28)	-15.30 k	-41.93	(-21.93)	15.45 k	4.000 MHz	8.000 MHz	1.000 MHz	--	(--)	--	--	(--)	--	8.000 MHz	12.50 MHz	1.000 MHz	--	(--)	--	--	(--)	--	12.50 MHz	15.00 MHz	1.000 MHz	--	(--)	--	--	(--)	--
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _H	 <p>The screenshot displays a spectrum plot with a center frequency of 479.987500 MHz and a span of 120 kHz. The plot shows a signal peak within a defined emission mask. The table below provides detailed measurement data for various frequency ranges.</p> <table border="1" data-bbox="560 741 1125 898"> <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>26.83</td> <td>(-4.05)</td> <td>0.0</td> <td>26.61</td> <td>(-2.26)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.83</td> <td>(-1.63)</td> <td>-12.45 k</td> <td>-40.63</td> <td>(-1.52)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.26</td> <td>(-22.26)</td> <td>-15.95 k</td> <td>-39.95</td> <td>(-19.95)</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)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.83	(-4.05)	0.0	26.61	(-2.26)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.83	(-1.63)	-12.45 k	-40.63	(-1.52)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.26	(-22.26)	-15.95 k	-39.95	(-19.95)	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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