



Appendix Report
FCC PART 90 Test Form

QRE315 V 3.1 (2019-11)

Project No.	SHT2005015001EW	Test sample No.	YPHT20050150012
Start test date	2020/5/14	Finish date	2020/5/27
Temperature	23.6°C	Humidity	59%
Test Engineer	<i>patrick. Qin.</i>	Auditor	<i>William. wang</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	5/18	PASS
B	Occupied Bandwidth	5/19	PASS
C	Emission Mask	5/20	PASS
D	Modulation Limit	5/19	PASS
E	Aduio Frequency Response	5/19	PASS
F	Frequency Stability Test & Temperature	5/18	PASS
G	Frequency Stability Test & Voltage	5/18	PASS
H	Transmitter Frequency Behavior	5/27	PASS
I	Spurious Emission On Antenna Port	5/19	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	36.1	4.12	4.00	2.9	±20	PASS
TX-DNH	4FSK	CH _{M1}	36.0	4.02	4.00	0.5	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.3	4.25	4.00	6.1	±20	PASS
TX-DNH	4FSK	CH _{M3}	36.6	4.59	4.00	14.8	±20	PASS
TX-DNH	4FSK	CH _H	36.3	4.26	4.00	6.5	±20	PASS
TX-DNL	4FSK	CH _L	29.6	0.91	1.00	-8.8	±20	PASS
TX-DNL	4FSK	CH _{M1}	29.7	0.93	1.00	-6.7	±20	PASS
TX-DNL	4FSK	CH _{M2}	29.6	0.91	1.00	-8.8	±20	PASS
TX-DNL	4FSK	CH _{M3}	30.2	1.05	1.00	4.7	±20	PASS
TX-DNL	4FSK	CH _H	30.1	1.02	1.00	2.3	±20	PASS
TX-ANH	FM	CH _L	35.4	3.44	4.00	-14.1	±20	PASS
TX-ANH	FM	CH _{M1}	36.1	4.11	4.00	2.8	±20	PASS
TX-ANH	FM	CH _{M2}	36.1	4.09	4.00	2.3	±20	PASS
TX-ANH	FM	CH _{M3}	36.1	4.12	4.00	2.9	±20	PASS
TX-ANH	FM	CH _H	36.2	4.15	4.00	3.7	±20	PASS
TX-ANL	FM	CH _L	29.3	0.85	1.00	-14.9	±20	PASS
TX-ANL	FM	CH _{M1}	29.2	0.83	1.00	-16.8	±20	PASS
TX-ANL	FM	CH _{M2}	29.3	0.85	1.00	-14.9	±20	PASS
TX-ANL	FM	CH _{M3}	29.4	0.87	1.00	-12.9	±20	PASS
TX-ANL	FM	CH _H	29.1	0.81	1.00	-18.7	±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	7.869	8.894	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.791	9.878	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.734	9.671	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.650	9.480	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.703	9.660	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.873	9.737	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.718	9.470	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.719	9.534	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.792	9.773	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.705	9.679	≤11.25	PASS
TX-ANH	FM	CH _L	5.242	10.114	≤11.25	PASS
TX-ANH	FM	CH _{M1}	5.236	10.109	≤11.25	PASS
TX-ANH	FM	CH _{M2}	5.233	10.110	≤11.25	PASS
TX-ANH	FM	CH _{M3}	5.242	10.114	≤11.25	PASS
TX-ANH	FM	CH _H	5.645	10.118	≤11.25	PASS
TX-ANL	FM	CH _L	5.649	10.121	≤11.25	PASS
TX-ANL	FM	CH _{M1}	5.238	10.110	≤11.25	PASS
TX-ANL	FM	CH _{M2}	5.230	10.110	≤11.25	PASS
TX-ANL	FM	CH _{M3}	5.242	10.113	≤11.25	PASS
TX-ANL	FM	CH _H	6.097	10.120	≤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 Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.89 dBm</p> <p>Center 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.869 kHz Total Power 43.7 dBm</p> <p>Transmit Freq Error 203 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.894 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.91 dBm</p> <p>Center 406 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.791 kHz Total Power 43.6 dBm</p> <p>Transmit Freq Error 124 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.878 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.96 dBm</p> <p>Center 406.1 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.734 kHz Total Power 44.0 dBm</p> <p>Transmit Freq Error 153 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.671 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 41.24 dBm</p> <p>Center 438 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.650 kHz Total Power 44.1 dBm</p> <p>Transmit Freq Error 109 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.480 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.99 dBm</p> <p>Center 470 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.703 kHz Total Power 43.8 dBm</p> <p>Transmit Freq Error 136 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.660 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNL	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gain: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 35.81 dBm</p> <p>Center 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.873 kHz Total Power 36.9 dBm</p> <p>Transmit Freq Error 152 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.737 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</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 Center Freq: 405.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold> 10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 35.93 dBm</p> <p>Center 406 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 37.2 dBm</p> <p>7.718 kHz</p> <p>Transmit Freq Error 88 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.470 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNL	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold> 10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 35.89 dBm</p> <p>Center 406.1 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 37.3 dBm</p> <p>7.719 kHz</p> <p>Transmit Freq Error 186 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.534 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-DNL	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold> 10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 36.65 dBm</p> <p>Center 438 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth Total Power 37.7 dBm</p> <p>7.792 kHz</p> <p>Transmit Freq Error 118 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.773 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</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 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 36.56 dBm</p> <p>Center 470 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 7.705 kHz Total Power 37.8 dBm</p> <p>Transmit Freq Error 180 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 9.679 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.48 dBm</p> <p>Center 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 5.242 kHz Total Power 36.3 dBm</p> <p>Transmit Freq Error 98 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.17 dBm</p> <p>Center 406 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 5.236 kHz Total Power 36.1 dBm</p> <p>Transmit Freq Error 98 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>



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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 Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.55 dBm</p> <p>Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 5.233 kHz Total Power 36.5 dBm</p> <p>Transmit Freq Error 95 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>Frequency 406.112500 MHz</p> <p>CF Step 5.000 kHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.86 dBm</p> <p>Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 5.242 kHz Total Power 36.8 dBm</p> <p>Transmit Freq Error 98 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>Frequency 438.012500 MHz</p> <p>CF Step 5.000 kHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS DC Coupled</p>
TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 10 dB Radio Device: BTS</p> <p>10 dB/div Ref 40.71 dBm</p> <p>Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT</p> <p>Occupied Bandwidth 5.645 kHz Total Power 36.6 dBm</p> <p>Transmit Freq Error 298 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz x dB -26.00 dB</p> <p>Frequency 469.987500 MHz</p> <p>CF Step 5.000 kHz Man</p> <p>Freq Offset 0 Hz</p> <p>STATUS DC Coupled</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 Center Freq: 400.012500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 34.26 dBm</p> <p>Center 400 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 5.649 kHz Total Power 30.1 dBm</p> <p>Transmit Freq Error -109 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANL	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 34.21 dBm</p> <p>Center 406 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 5.238 kHz Total Power 29.9 dBm</p> <p>Transmit Freq Error 97 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</p>
TX-ANL	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None</p> <p>Trig: Free Run Avg Hold>10/10</p> <p>#IF Gate: Low #Atten: 6 dB Radio Device: BTS</p> <p>10 dB/div Ref 34.23 dBm</p> <p>Center 406.1 MHz Span 50 kHz</p> <p>#Res BW 100 Hz #VBW 300 Hz Sweep FFT</p> <p>Occupied Bandwidth 5.230 kHz Total Power 29.9 dBm</p> <p>Transmit Freq Error 93 Hz OBW Power 99.00 %</p> <p>x dB Bandwidth 10.11 kHz x dB -26.00 dB</p> <p>STATUS DC Coupled</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>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 5.242 kHz</p> <p>Total Power 30.6 dBm</p> <p>Transmit Freq Error 100 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 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 469.987500 MHz</p> <p>Center Freq: 469.987500 MHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: >10/10</p> <p>#Res BW 100 Hz</p> <p>#VBW 300 Hz</p> <p>Span 50 kHz</p> <p>Sweep FFT</p> <p>Occupied Bandwidth 6.097 kHz</p> <p>Total Power 30.6 dBm</p> <p>Transmit Freq Error 504 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 10.12 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 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 42 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.16 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>30.20</td> <td>(-7.95)</td> <td>0.0</td> <td>36.57</td> <td>(-1.58)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-35.57</td> <td>(-3.73)</td> <td>-12.30 k</td> <td>-36.12</td> <td>(-3.19)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-36.50</td> <td>(-16.50)</td> <td>-14.80 k</td> <td>-36.75</td> <td>(-16.75)</td> <td>12.60 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.20	(-7.95)	0.0	36.57	(-1.58)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.57	(-3.73)	-12.30 k	-36.12	(-3.19)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.50	(-16.50)	-14.80 k	-36.75	(-16.75)	12.60 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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	30.20	(-7.95)	0.0	36.57	(-1.58)	100.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-35.57	(-3.73)	-12.30 k	-36.12	(-3.19)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-36.50	(-16.50)	-14.80 k	-36.75	(-16.75)	12.60 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-																																																										
8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-																																																										
12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-																																																										
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Appendix C:Emission Mask

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TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Ref Offset 43 dB Ref 43.0 dBm</p> <p>Center Freq 438.012500 MHz</p> <p>Trig: Free Run</p> <p>Avg: 100.00% of 10</p> <p>#Atten: 40 dB</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Frequency</p> <p>Center Freq 438.012500 MHz</p> <p>CF Step 12.000 kHz</p> <p>Freq Offset 0 Hz</p> <p>Total Power Ref 40.46 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>29.12</td> <td>(9.40)</td> <td>-150.0</td> <td>31.20</td> <td>(7.32)</td> <td>700.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-34.82</td> <td>(-1.90)</td> <td>-12.50 k</td> <td>-32.14</td> <td>(-0.67)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.85</td> <td>(-13.85)</td> <td>-16.70 k</td> <td>-33.51</td> <td>(-13.51)</td> <td>12.95 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table> <p>File <Temp.png> saved</p>	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	29.12	(9.40)	-150.0	31.20	(7.32)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.82	(-1.90)	-12.50 k	-32.14	(-0.67)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.85	(-13.85)	-16.70 k	-33.51	(-13.51)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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Appendix C:Emission Mask

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