

**Appendix A:Maximum Transmitter Power**

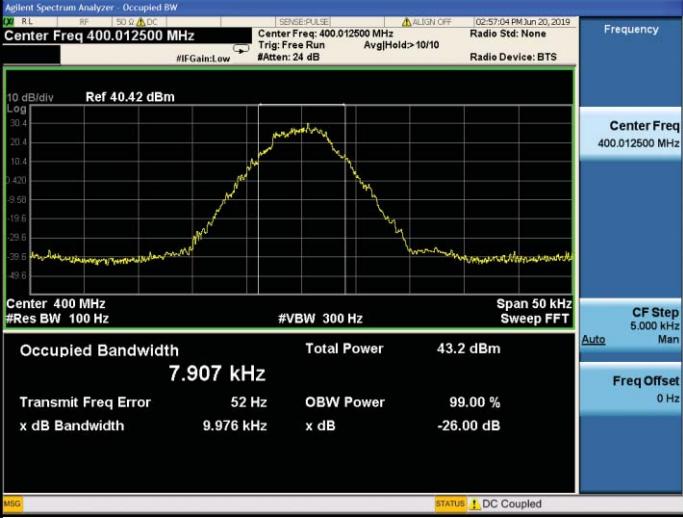
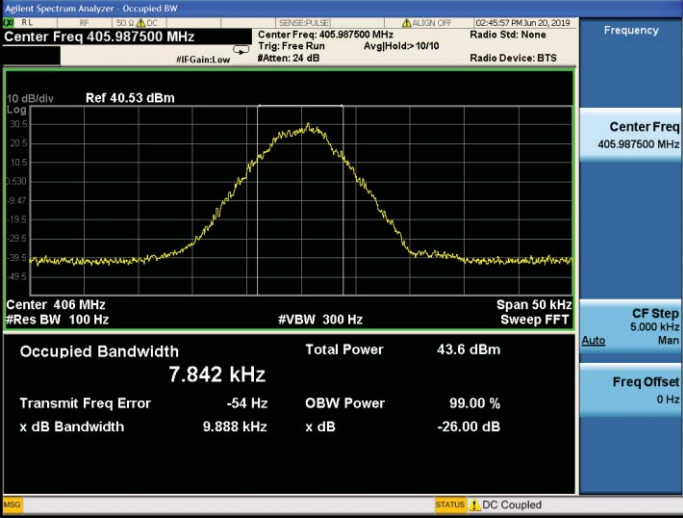
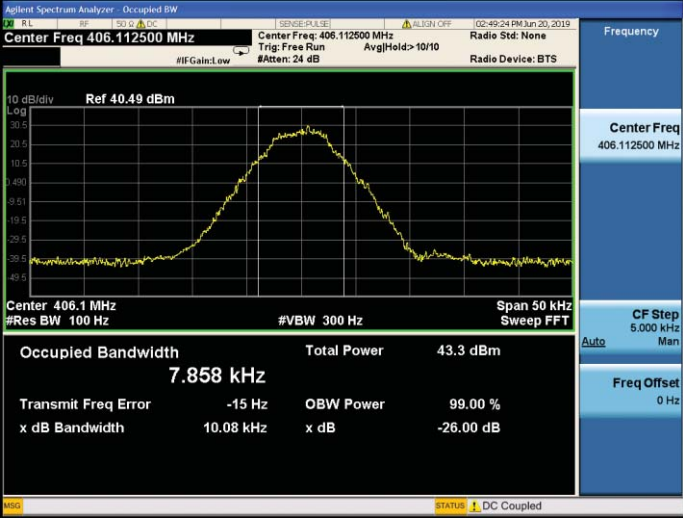
Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-DNH	4FSK	CH _L	35.61	3.64	4.00	-9.0	±20	PASS
TX-DNH	4FSK	CH _{M1}	35.52	3.56	4.00	-10.9	±20	PASS
TX-DNH	4FSK	CH _{M2}	35.61	3.64	4.00	-9.0	±20	PASS
TX-DNH	4FSK	CH _{M3}	35.48	3.53	4.00	-11.7	±20	PASS
TX-DNH	4FSK	CH _H	35.73	3.74	4.00	-6.5	±20	PASS
TX-DNL	4FSK	CH _L	31.43	1.39	1.50	-7.3	±20	PASS
TX-DNL	4FSK	CH _{M1}	31.62	1.45	1.50	-3.2	±20	PASS
TX-DNL	4FSK	CH _{M2}	31.76	1.50	1.50	0.0	±20	PASS
TX-DNL	4FSK	CH _{M3}	31.54	1.43	1.50	-5.0	±20	PASS
TX-DNL	4FSK	CH _H	31.43	1.39	1.50	-7.3	±20	PASS
TX-ANH	FM	CH _L	35.76	3.77	4.00	-5.8	±20	PASS
TX-ANH	FM	CH _{M1}	35.85	3.85	4.00	-3.9	±20	PASS
TX-ANH	FM	CH _{M2}	35.76	3.77	4.00	-5.8	±20	PASS
TX-ANH	FM	CH _{M3}	35.57	3.61	4.00	-9.9	±20	PASS
TX-ANH	FM	CH _H	35.63	3.66	4.00	-8.6	±20	PASS
TX-ANL	FM	CH _L	31.52	1.42	1.50	-5.4	±20	PASS
TX-ANL	FM	CH _{M1}	31.46	1.40	1.50	-6.7	±20	PASS
TX-ANL	FM	CH _{M2}	31.67	1.47	1.50	-2.1	±20	PASS
TX-ANL	FM	CH _{M3}	31.51	1.42	1.50	-5.6	±20	PASS
TX-ANL	FM	CH _H	31.60	1.45	1.50	-3.6	±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	7.907	9.976	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.842	9.888	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	7.858	10.080	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.834	10.030	≤11.25	PASS
TX-DNH	4FSK	CH _H	8.126	9.930	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.981	9.721	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	7.903	9.909	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	7.906	10.200	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	7.974	9.806	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.917	9.948	≤11.25	PASS
TX-ANH	FM	CH _L	5.163	5.241	≤11.25	PASS
TX-ANH	FM	CH _{M1}	5.165	5.241	≤11.25	PASS
TX-ANH	FM	CH _{M2}	5.166	5.242	≤11.25	PASS
TX-ANH	FM	CH _{M3}	5.181	5.237	≤11.25	PASS
TX-ANH	FM	CH _H	5.167	7.652	≤11.25	PASS
TX-ANL	FM	CH _L	5.165	5.241	≤11.25	PASS
TX-ANL	FM	CH _{M1}	5.162	5.242	≤11.25	PASS
TX-ANL	FM	CH _{M2}	5.167	5.242	≤11.25	PASS
TX-ANL	FM	CH _{M3}	5.142	5.237	≤11.25	PASS
TX-ANL	FM	CH _H	5.175	7.656	≤11.25	PASS

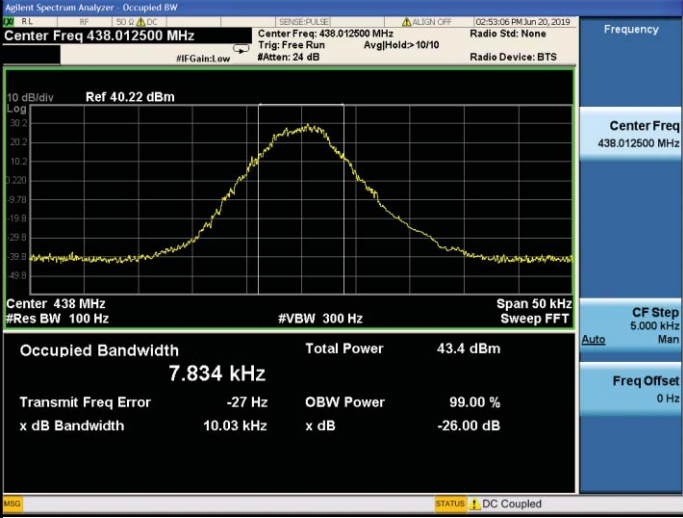
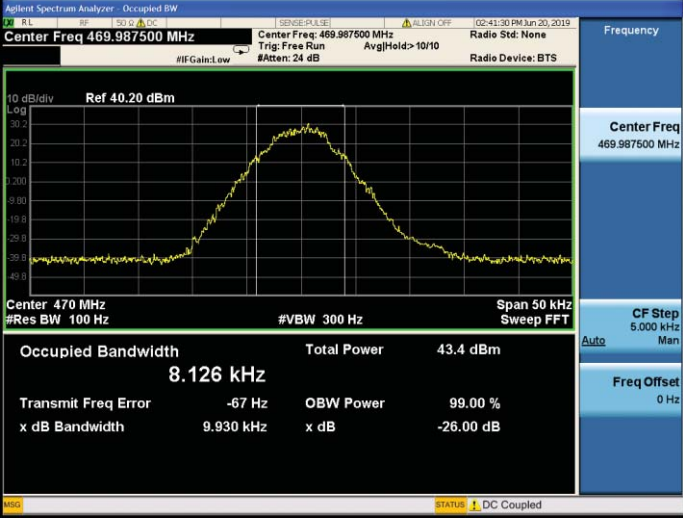
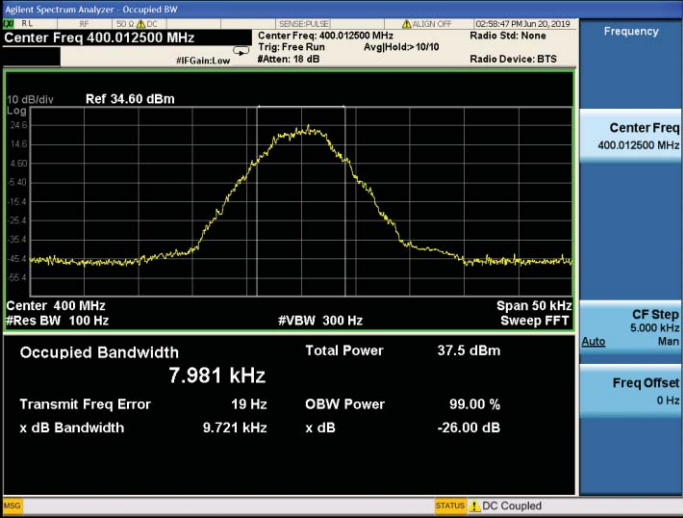


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	
TX-DNH	4FSK	CH _{M1}	
TX-DNH	4FSK	CH _{M2}	

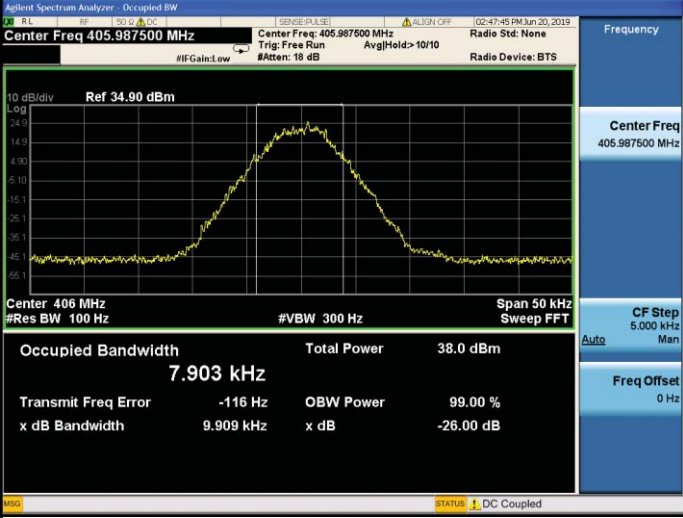
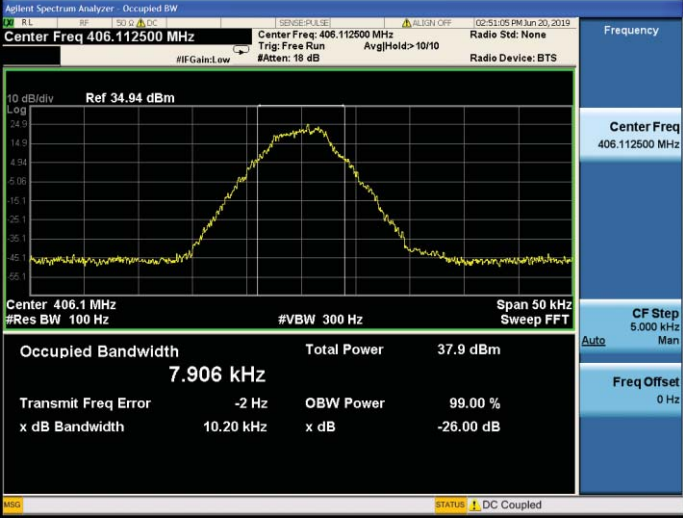
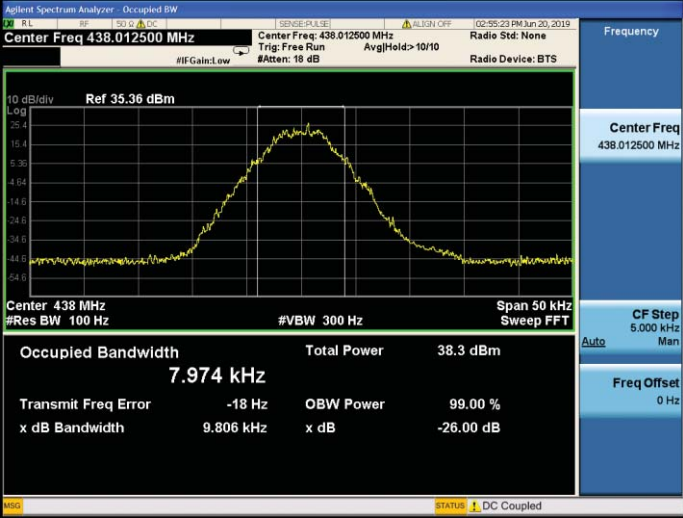


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	
TX-DNH	4FSK	CH _H	
TX-DNL	4FSK	CH _L	

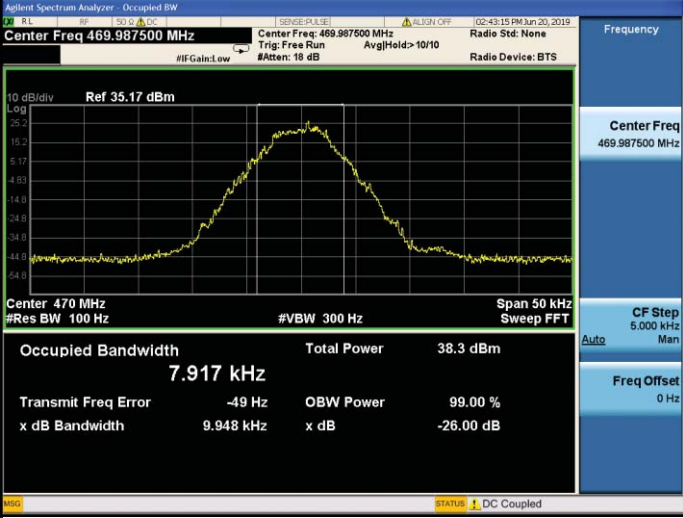
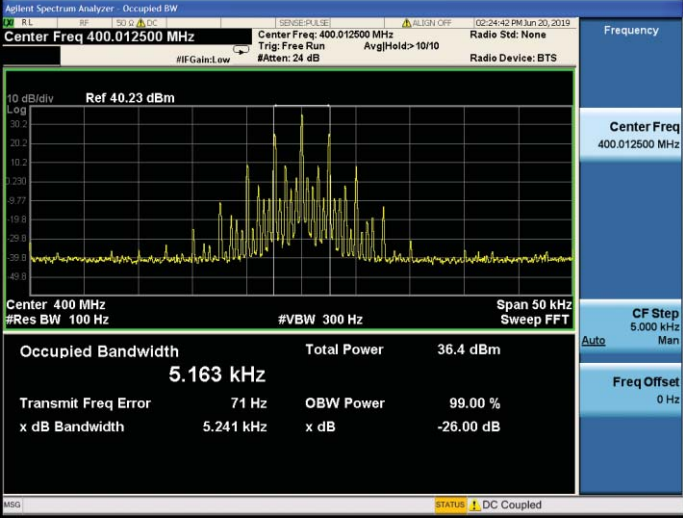
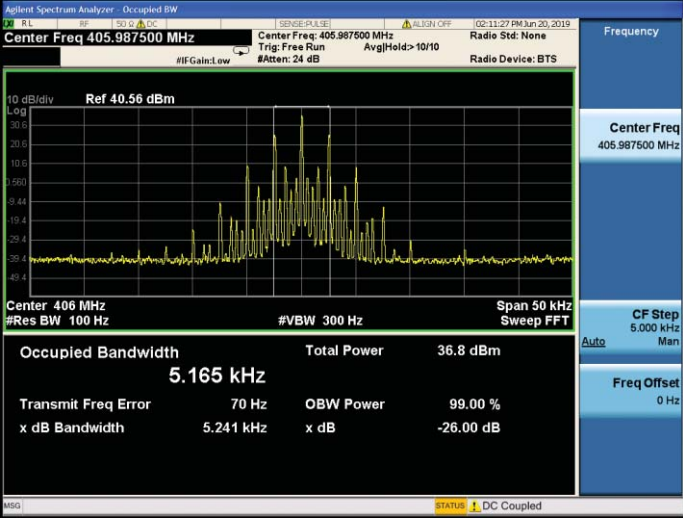


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	
TX-DNL	4FSK	CH _{M2}	
TX-DNL	4FSK	CH _{M3}	

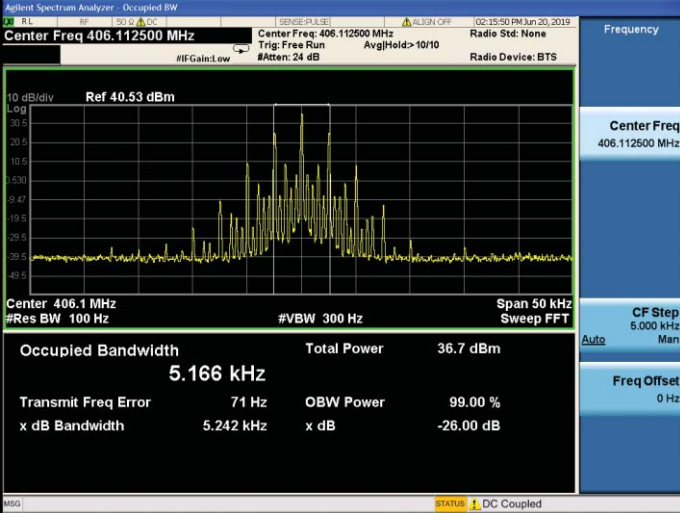
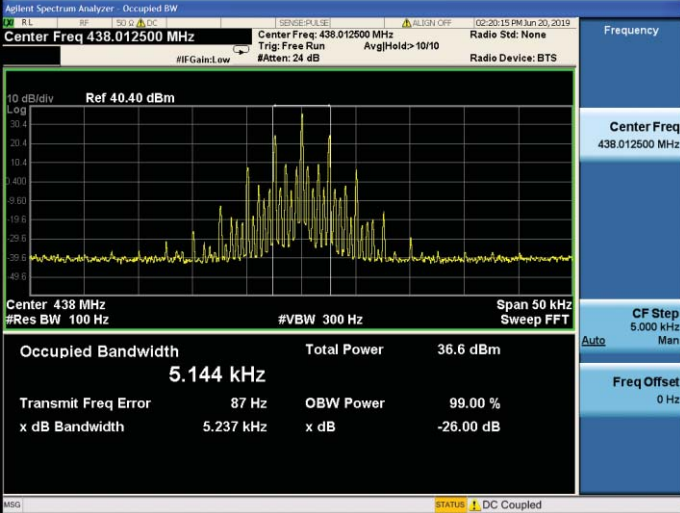
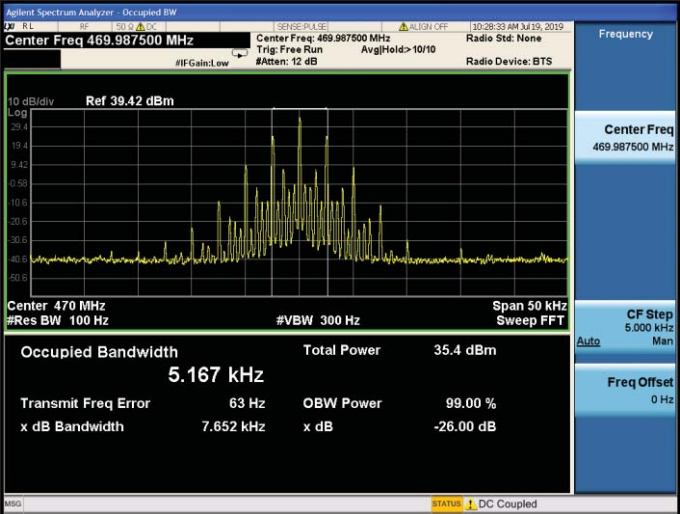


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 35.17 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.917 kHz Total Power 38.3 dBm Transmit Freq Error -49 Hz OBW Power 99.00 % x dB Bandwidth 9.948 kHz x dB -26.00 dB Frequency Center Freq 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 40.23 dBm Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.163 kHz Total Power 36.4 dBm Transmit Freq Error 71 Hz OBW Power 99.00 % x dB Bandwidth 5.241 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANH	FM	CH _{M1}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 40.56 dBm Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.165 kHz Total Power 36.8 dBm Transmit Freq Error 70 Hz OBW Power 99.00 % x dB Bandwidth 5.241 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 40.53 dBm Span 50 kHz Sweep FFT Occupied Bandwidth 5.166 kHz Total Power 36.7 dBm Transmit Freq Error 71 Hz OBW Power 99.00 % x dB Bandwidth 5.242 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-ANH	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 40.40 dBm Span 50 kHz Sweep FFT Occupied Bandwidth 5.144 kHz Total Power 36.6 dBm Transmit Freq Error 87 Hz OBW Power 99.00 % x dB Bandwidth 5.237 kHz x dB -26.00 dB MSG STATUS DC Coupled
TX-ANH	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 39.42 dBm Span 50 kHz Sweep FFT Occupied Bandwidth 5.167 kHz Total Power 35.4 dBm Transmit Freq Error 63 Hz OBW Power 99.00 % x dB Bandwidth 7.652 kHz x dB -26.00 dB MSG STATUS DC Coupled

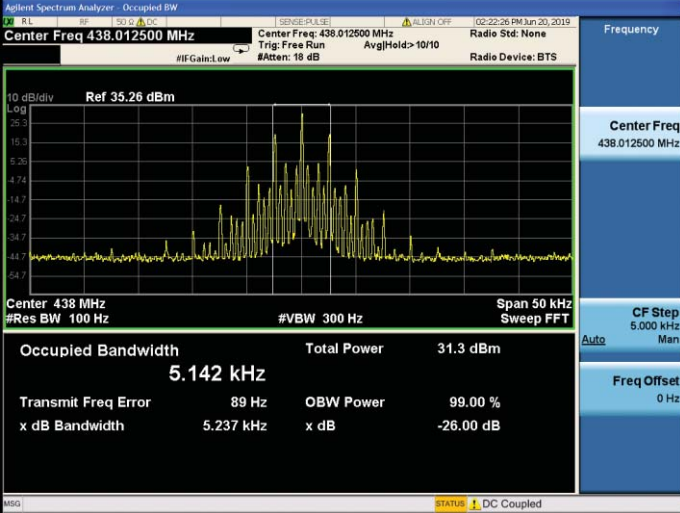
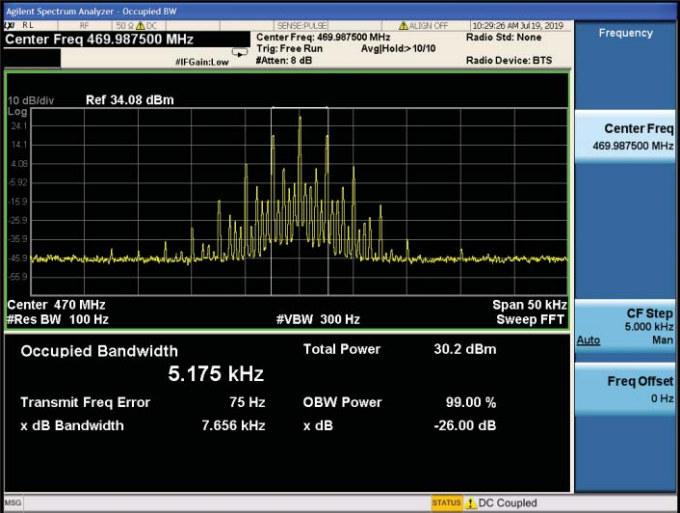


Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 34.47 dBm Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.165 kHz Total Power 30.6 dBm Transmit Freq Error 76 Hz OBW Power 99.00 % x dB Bandwidth 5.241 kHz x dB -26.00 dB Frequency Center Freq 400.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 34.64 dBm Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.162 kHz Total Power 31.2 dBm Transmit Freq Error 73 Hz OBW Power 99.00 % x dB Bandwidth 5.242 kHz x dB -26.00 dB Frequency Center Freq 405.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANL	FM	CH _{M2}	Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 34.74 dBm Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.167 kHz Total Power 30.9 dBm Transmit Freq Error 75 Hz OBW Power 99.00 % x dB Bandwidth 5.242 kHz x dB -26.00 dB Frequency Center Freq 406.112500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled



Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	 Agilent Spectrum Analyzer - Occupied BW Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 35.26 dBm Center 438 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.142 kHz Total Power 31.3 dBm Transmit Freq Error 89 Hz OBW Power 99.00 % x dB Bandwidth 5.237 kHz x dB -26.00 dB Frequency 438.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz STATUS DC Coupled
TX-ANL	FM	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref 34.08 dBm Center 470 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 5.175 kHz Total Power 30.2 dBm Transmit Freq Error 75 Hz OBW Power 99.00 % x dB Bandwidth 7.656 kHz x dB -26.00 dB Frequency 469.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz STATUS DC Coupled

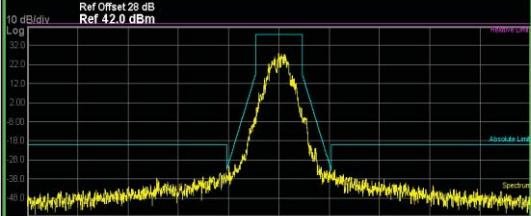
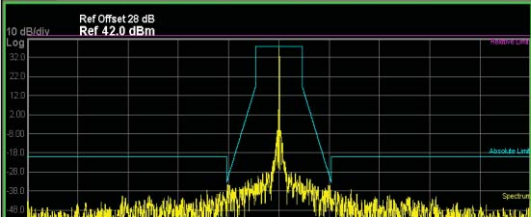
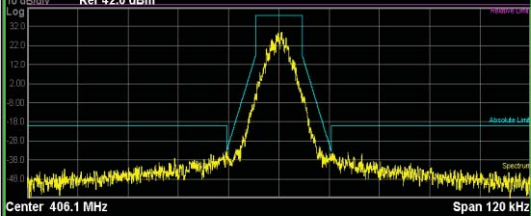


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 0.00 -18.0 -28.0 -38.0 -48.0 Center 400 MHz Span 120 kHz Total Power Ref 37.31 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>36.51</td><td>(-1.04)</td><td>0.0</td><td>36.67</td><td>(-0.88)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.51</td><td>(-5.62)</td><td>-12.50 k</td><td>-39.80</td><td>(-5.91)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.21</td><td>(-12.21)</td><td>-24.95 k</td><td>-31.85</td><td>(-11.85)</td><td>25.05 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></table> File <MASK.D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.51	(-1.04)	0.0	36.67	(-0.88)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-39.51	(-5.62)	-12.50 k	-39.80	(-5.91)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-32.21	(-12.21)	-24.95 k	-31.85	(-11.85)	25.05 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	36.51	(-1.04)	0.0	36.67	(-0.88)	50.00																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-39.51	(-5.62)	-12.50 k	-39.80	(-5.91)	12.50 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-32.21	(-12.21)	-24.95 k	-31.85	(-11.85)	25.05 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	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 0.00 -18.0 -28.0 -38.0 -48.0 Center 400 MHz Span 120 kHz Total Power Ref 40.06 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.66</td><td>(-10.88)</td><td>-50.00</td><td>29.02</td><td>(-8.52)</td><td>1.450 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.34</td><td>(-2.81)</td><td>-12.45 k</td><td>-37.24</td><td>(-3.35)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.04</td><td>(-14.04)</td><td>-25.35 k</td><td>-33.66</td><td>(-13.66)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	26.66	(-10.88)	-50.00	29.02	(-8.52)	1.450 k	5.625 kHz	12.50 kHz	100.0 Hz	-36.34	(-2.81)	-12.45 k	-37.24	(-3.35)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.04	(-14.04)	-25.35 k	-33.66	(-13.66)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	26.66	(-10.88)	-50.00	29.02	(-8.52)	1.450 k																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-34.04	(-14.04)	-25.35 k	-33.66	(-13.66)	12.95 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run #Atten: 40 dB Radio Std: None Radio Device: BTS PASS IF Gain: Low Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 0.00 -18.0 -28.0 -38.0 -48.0 Center 406 MHz Span 120 kHz Total Power Ref 37.14 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>33.48</td><td>(-4.40)</td><td>0.0</td><td>36.97</td><td>(-0.92)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.95</td><td>(-8.67)</td><td>-12.05 k</td><td>-40.96</td><td>(-8.14)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.73</td><td>(-15.73)</td><td>-12.85 k</td><td>-35.76</td><td>(-15.76)</td><td>13.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK.D.state> recalled STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	33.48	(-4.40)	0.0	36.97	(-0.92)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.95	(-8.67)	-12.05 k	-40.96	(-8.14)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.73	(-15.73)	-12.85 k	-35.76	(-15.76)	13.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-35.73	(-15.73)	-12.85 k	-35.76	(-15.76)	13.00 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

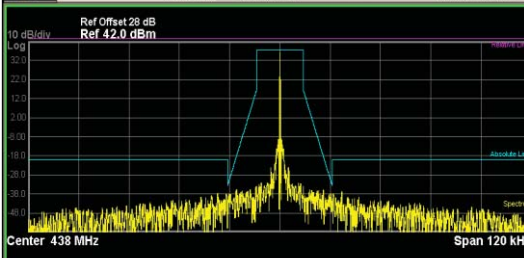
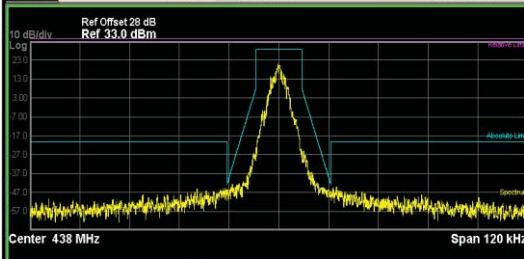
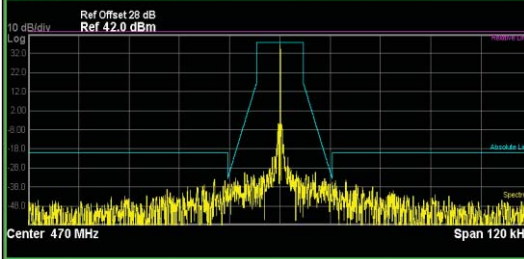


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRFSSQACSENSE PULSEALIGN OFF02:47:06 PM Jun 20, 2019 Center Freq 405.987500 MHzCenter Freq: 405.987500 MHzRadio Std: None PASSIF Gain: LowTrig: Free Run#Atten: 40 dBAvg: 100.00% of 10Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log  Center 406 MHzSpan 120 kHz Total Power Ref40.55 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.98</td><td>(-9.91)</td><td>-50.00</td><td>27.69</td><td>(-10.20)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-31.28</td><td>(-2.45)</td><td>-11.85 k</td><td>-33.51</td><td>(-1.05)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.60</td><td>(-14.60)</td><td>-13.95 k</td><td>-33.21</td><td>(-13.21)</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> File <Temp.png> savedSTATUS Frequency Center Freq405.987500 MHz CF Step12.000 kHzMan Freq Offset0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.98	(-9.91)	-50.00	27.69	(-10.20)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-31.28	(-2.45)	-11.85 k	-33.51	(-1.05)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.60	(-14.60)	-13.95 k	-33.21	(-13.21)	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	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRFSSQACSENSE PULSEALIGN OFF02:49:57 PM Jun 20, 2019 Center Freq 406.112500 MHzCenter Freq: 406.112500 MHzRadio Std: None PASSIF Gain: LowTrig: Free Run#Atten: 40 dBAvg: 100.00% of 10Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log  Center 406.1 MHzSpan 120 kHz Total Power Ref37.17 dBm 0.0125 MHz <table><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>32.57</td><td>(-5.27)</td><td>0.0</td><td>30.95</td><td>(-0.89)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.97</td><td>(-3.55)</td><td>-12.20 k</td><td>-34.98</td><td>(-2.84)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.70</td><td>(-17.70)</td><td>-17.05 k</td><td>-37.06</td><td>(-17.06)</td><td>17.20 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <MASK.D.state> recalledSTATUS Frequency Center Freq406.112500 MHz CF Step12.000 kHzMan Freq Offset0 Hz	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	32.57	(-5.27)	0.0	30.95	(-0.89)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.97	(-3.55)	-12.20 k	-34.98	(-2.84)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.70	(-17.70)	-17.05 k	-37.06	(-17.06)	17.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRFSSQACSENSE PULSEALIGN OFF02:50:31 PM Jun 20, 2019 Center Freq 406.112500 MHzCenter Freq: 406.112500 MHzRadio Std: None PASSIF Gain: LowTrig: Free Run#Atten: 40 dBAvg: 100.00% of 10Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm 10 dB/div Log  Center 406.1 MHzSpan 120 kHz Total Power Ref40.46 dBm 0.0125 MHz <table><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>28.59</td><td>(-9.25)</td><td>-150.0</td><td>28.93</td><td>(-8.92)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.62</td><td>(-1.12)</td><td>-12.35 k</td><td>-34.78</td><td>(-2.28)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.30</td><td>(-13.30)</td><td>-12.70 k</td><td>-33.55</td><td>(-13.55)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> File <Temp.png> savedSTATUS Frequency Center Freq406.112500 MHz CF Step12.000 kHzMan Freq Offset0 Hz	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	28.59	(-9.25)	-150.0	28.93	(-8.92)	750.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.62	(-1.12)	-12.35 k	-34.78	(-2.28)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.30	(-13.30)	-12.70 k	-33.55	(-13.55)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																							
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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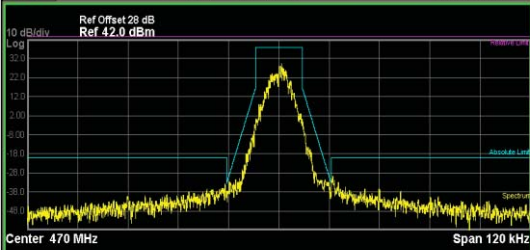
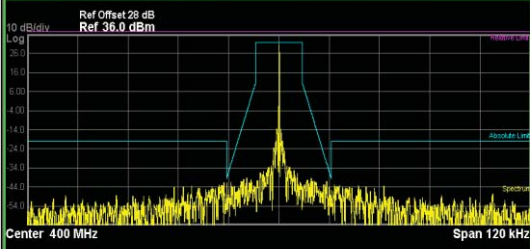
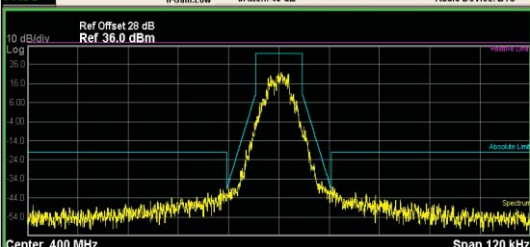


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 28 dB Ref 42.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 36.49 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.95</td><td>(-1.62)</td><td>0.0</td><td>36.42</td><td>(-1.15)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.11</td><td>(-7.16)</td><td>-12.10 k</td><td>-38.06</td><td>(-6.37)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.52</td><td>(-17.52)</td><td>-14.75 k</td><td>-36.87</td><td>(-16.87)</td><td>14.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.95	(-1.62)	0.0	36.42	(-1.15)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-38.11	(-7.16)	-12.10 k	-38.06	(-6.37)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.52	(-17.52)	-14.75 k	-36.87	(-16.87)	14.85 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 28 dB Ref 33.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 31.38 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>20.91</td><td>(-7.93)</td><td>-150.0</td><td>20.49</td><td>(-8.36)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.95</td><td>(-4.44)</td><td>-12.35 k</td><td>-46.11</td><td>(-3.52)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.70</td><td>(-24.70)</td><td>-13.25 k</td><td>-44.05</td><td>(-24.05)</td><td>13.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	20.91	(-7.93)	-150.0	20.49	(-8.36)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.95	(-4.44)	-12.35 k	-46.11	(-3.52)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.70	(-24.70)	-13.25 k	-44.05	(-24.05)	13.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz PASS Ref Offset 28 dB Ref 42.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 37.17 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.63</td><td>(-7.99)</td><td>0.0</td><td>36.56</td><td>(-1.05)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.72</td><td>(-3.90)</td><td>-12.50 k</td><td>-36.33</td><td>(-2.50)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>1.000 MHz</td><td>-34.16</td><td>(-14.16)</td><td>-15.60 k</td><td>-34.37</td><td>(-14.37)</td><td>15.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.63	(-7.99)	0.0	36.56	(-1.05)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.72	(-3.90)	-12.50 k	-36.33	(-2.50)	12.50 k	12.50 kHz	60.00 kHz	1.000 MHz	-34.16	(-14.16)	-15.60 k	-34.37	(-14.37)	15.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	29.63	(-7.99)	0.0	36.56	(-1.05)	100.0																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

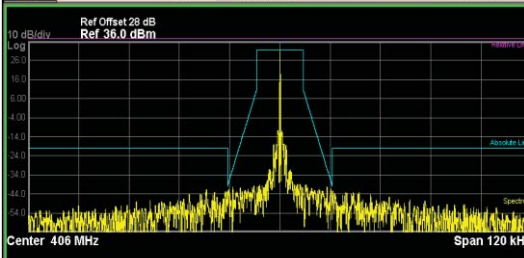
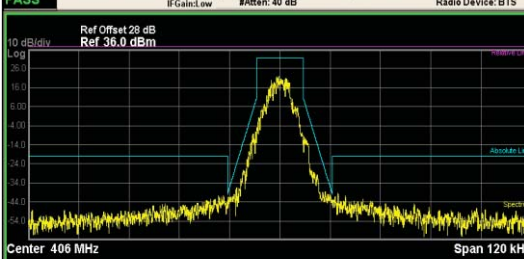
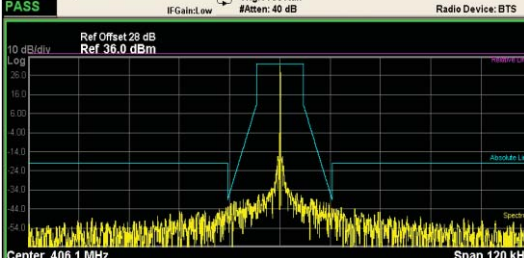


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF SO AC SENSE:PUSE ALLOFF 102:42:37 PM Jun 20, 2019 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 28 dB Ref 42.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 40.48 dBm/0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>24.03</td><td>(-13.59)</td><td>0.0</td><td>29.48</td><td>(-8.13)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-32.50</td><td>(-3.77)</td><td>-11.80 k</td><td>-35.43</td><td>(-3.42)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.78</td><td>(-13.78)</td><td>-12.80 k</td><td>-29.75</td><td>(-9.75)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	24.03	(-13.59)	0.0	29.48	(-8.13)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.50	(-3.77)	-11.80 k	-35.43	(-3.42)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.78	(-13.78)	-12.80 k	-29.75	(-9.75)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF SO AC SENSE:PUSE ALLOFF 102:59:15 PM Jun 20, 2019 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 28 dB Ref 36.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 31.05 dBm/0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.41</td><td>(-5.32)</td><td>0.0</td><td>30.62</td><td>(-9.91)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.87</td><td>(2.52)</td><td>-12.45 k</td><td>-44.13</td><td>(7.33)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.85</td><td>(-21.85)</td><td>-13.05 k</td><td>-42.88</td><td>(-22.88)</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></table> File <MASK.D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	26.41	(-5.32)	0.0	30.62	(-9.91)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.87	(2.52)	-12.45 k	-44.13	(7.33)	12.10 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.85	(-21.85)	-13.05 k	-42.88	(-22.88)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF SO AC SENSE:PUSE ALLOFF 102:59:47 PM Jun 20, 2019 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 28 dB Ref 36.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 34.21 dBm/0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.14</td><td>(-10.59)</td><td>-100.0</td><td>21.87</td><td>(-9.86)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.56</td><td>(2.58)</td><td>-12.40 k</td><td>-40.01</td><td>(-1.03)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.26</td><td>(-19.26)</td><td>-13.95 k</td><td>-37.85</td><td>(-17.85)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	21.14	(-10.59)	-100.0	21.87	(-9.86)	600.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.56	(2.58)	-12.40 k	-40.01	(-1.03)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.26	(-19.26)	-13.95 k	-37.85	(-17.85)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask

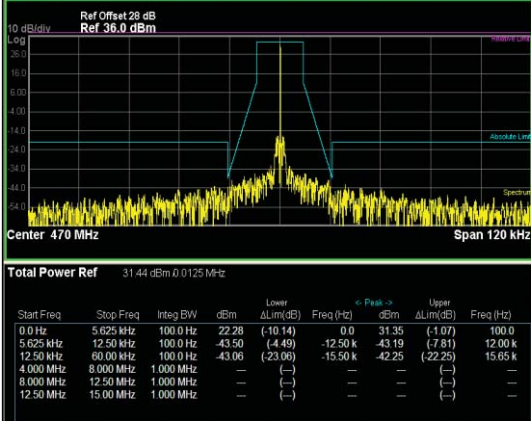
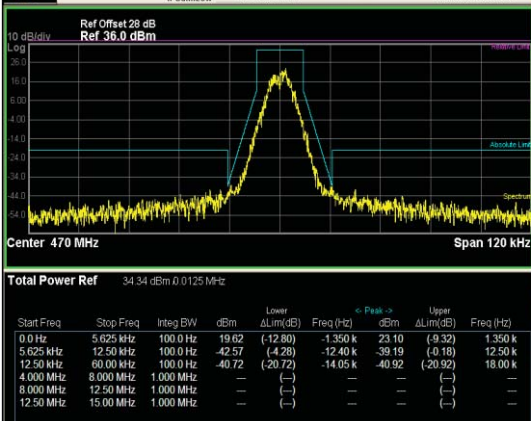
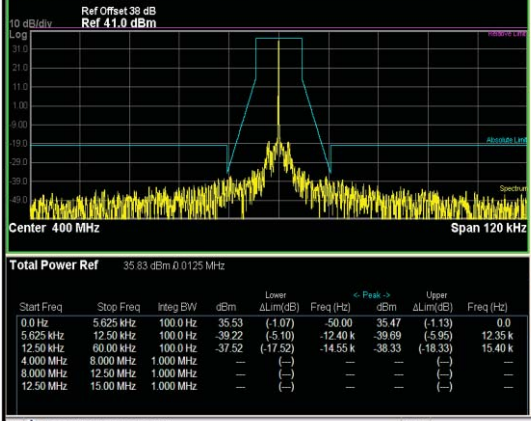
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 30.72 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.79</td><td>(-1.73)</td><td>0.0</td><td>30.70</td><td>(-0.82)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.68</td><td>(-3.95)</td><td>-12.20 k</td><td>-41.40</td><td>(-2.93)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.97</td><td>(-21.97)</td><td>-17.50 k</td><td>-42.66</td><td>(-22.66)</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></table> Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.79	(-1.73)	0.0	30.70	(-0.82)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.68	(-3.95)	-12.20 k	-41.40	(-2.93)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.97	(-21.97)	-17.50 k	-42.66	(-22.66)	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)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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5.625 kHz	12.50 kHz	100.0 Hz	-41.68	(-3.95)	-12.20 k	-41.40	(-2.93)	12.30 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.97	(-21.97)	-17.50 k	-42.66	(-22.66)	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	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 34.75 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.74</td><td>(-9.78)</td><td>-200.0</td><td>20.84</td><td>(-10.67)</td><td>1.350 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.46</td><td>(-1.54)</td><td>-12.50 k</td><td>-43.20</td><td>(-3.28)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.75</td><td>(-20.75)</td><td>-14.55 k</td><td>-39.37</td><td>(-19.37)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><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></table> Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	21.74	(-9.78)	-200.0	20.84	(-10.67)	1.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-41.46	(-1.54)	-12.50 k	-43.20	(-3.28)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.75	(-20.75)	-14.55 k	-39.37	(-19.37)	13.90 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 406.1 MHz Span 120 kHz Total Power Ref 31.71 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.93</td><td>(-6.09)</td><td>0.0</td><td>31.11</td><td>(-0.91)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.92</td><td>(-4.96)</td><td>-12.30 k</td><td>-43.72</td><td>(-4.67)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.25</td><td>(-23.25)</td><td>-12.75 k</td><td>-43.21</td><td>(-23.21)</td><td>14.65 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></table> Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	25.93	(-6.09)	0.0	31.11	(-0.91)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.92	(-4.96)	-12.30 k	-43.72	(-4.67)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.25	(-23.25)	-12.75 k	-43.21	(-23.21)	14.65 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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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Ref Offset 28 dB Ref 36.0 dBm Total Power Ref 34.71 dBm @ 0.0125 MHz <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 ΔLim(dB)</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>22.50</td> <td>(-9.52)</td> <td>0.0</td> <td>22.50</td> <td>(-9.52)</td> <td>0.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.93</td> <td>(-1.23)</td> <td>-12.40 k</td> <td>-42.05</td> <td>(-3.00)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-39.47</td> <td>(-19.47)</td> <td>-14.75 k</td> <td>-39.36</td> <td>(-19.36)</td> <td>12.50 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.50	(-9.52)	0.0	22.50	(-9.52)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.93	(-1.23)	-12.40 k	-42.05	(-3.00)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.47	(-19.47)	-14.75 k	-39.36	(-19.36)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	-	(-)	-	-	(-)	-	8.000 MHz	12.50 MHz	1.000 MHz	-	(-)	-	-	(-)	-	12.50 MHz	15.00 MHz	1.000 MHz	-	(-)	-	-	(-)	-
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TX-DNL	4FSK	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Ref Offset 28 dB Ref 36.0 dBm Total Power Ref 31.68 dBm @ 0.0125 MHz <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 ΔLim(dB)</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>24.77</td> <td>(-7.40)</td> <td>0.0</td> <td>31.06</td> <td>(-1.11)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-39.81</td> <td>(-7.69)</td> <td>-11.80 k</td> <td>-39.95</td> <td>(-8.14)</td> <td>11.75 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-42.55</td> <td>(-22.55)</td> <td>-12.70 k</td> <td>-41.61</td> <td>(-21.61)</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)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	24.77	(-7.40)	0.0	31.06	(-1.11)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.81	(-7.69)	-11.80 k	-39.95	(-8.14)	11.75 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.55	(-22.55)	-12.70 k	-41.61	(-21.61)	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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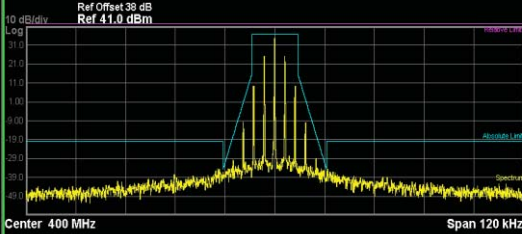
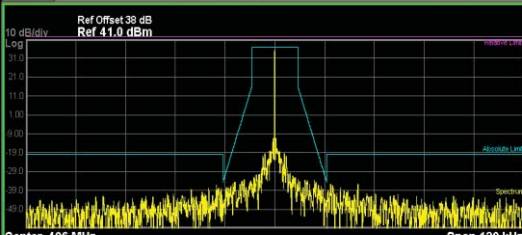
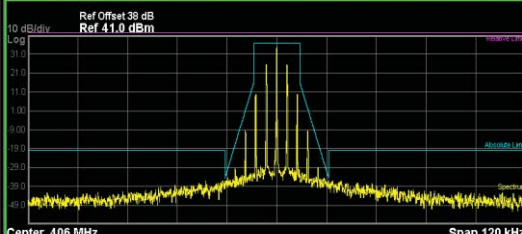


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 31.44 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>22.28</td><td>(-10.14)</td><td>0.0</td><td>31.35</td><td>(-1.07)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.50</td><td>(-4.49)</td><td>-12.50 k</td><td>-43.19</td><td>(-7.81)</td><td>12.00 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.06</td><td>(-23.06)</td><td>-15.50 k</td><td>-42.25</td><td>(-22.25)</td><td>15.65 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></table> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.28	(-10.14)	0.0	31.35	(-1.07)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.50	(-4.49)	-12.50 k	-43.19	(-7.81)	12.00 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.06	(-23.06)	-15.50 k	-42.25	(-22.25)	15.65 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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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz PASS Ref Offset 28 dB Ref 36.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 34.34 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>19.62</td><td>(-12.80)</td><td>-1.350 k</td><td>23.10</td><td>(-9.32)</td><td>1.350 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.57</td><td>(-4.28)</td><td>-12.40 k</td><td>-39.19</td><td>(-0.18)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.72</td><td>(-20.72)</td><td>-14.05 k</td><td>-40.92</td><td>(-20.92)</td><td>18.00 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></table> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.62	(-12.80)	-1.350 k	23.10	(-9.32)	1.350 k	5.625 kHz	12.50 kHz	100.0 Hz	-42.57	(-4.28)	-12.40 k	-39.19	(-0.18)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.72	(-20.72)	-14.05 k	-40.92	(-20.92)	18.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-40.72	(-20.72)	-14.05 k	-40.92	(-20.92)	18.00 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz PASS Ref Offset 38 dB Ref 41.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 35.83 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.53</td><td>(-1.07)</td><td>-50.00</td><td>35.47</td><td>(-1.13)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.22</td><td>(-5.10)</td><td>-12.40 k</td><td>-39.69</td><td>(-5.95)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.52</td><td>(-17.52)</td><td>-14.55 k</td><td>-38.33</td><td>(-18.33)</td><td>15.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.53	(-1.07)	-50.00	35.47	(-1.13)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.22	(-5.10)	-12.40 k	-39.69	(-5.95)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.52	(-17.52)	-14.55 k	-38.33	(-18.33)	15.40 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

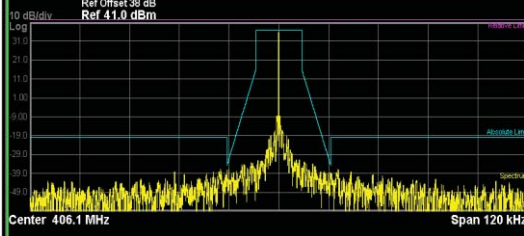
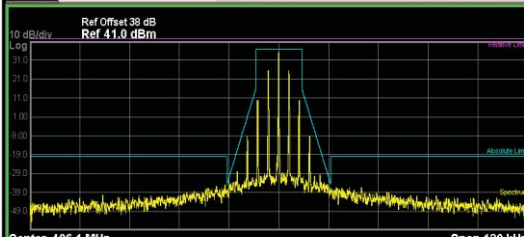
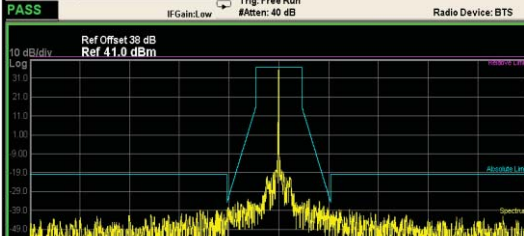
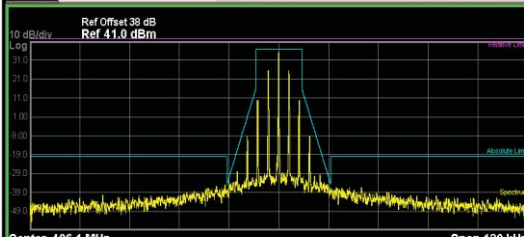
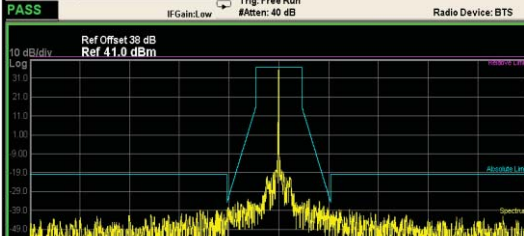
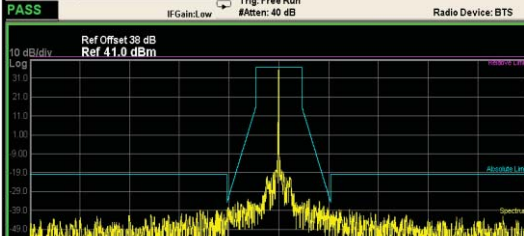
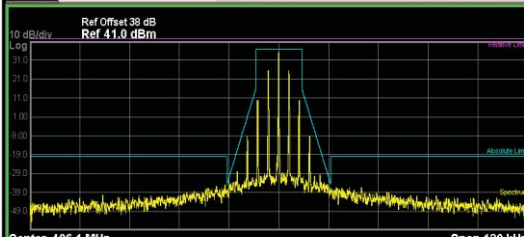
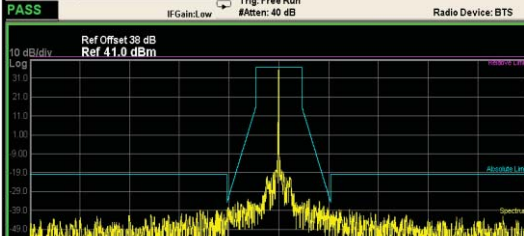
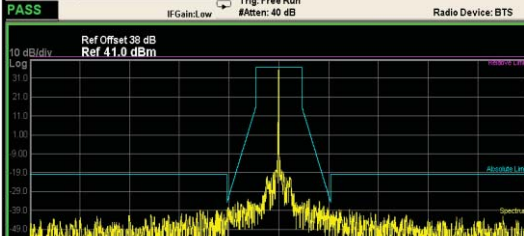
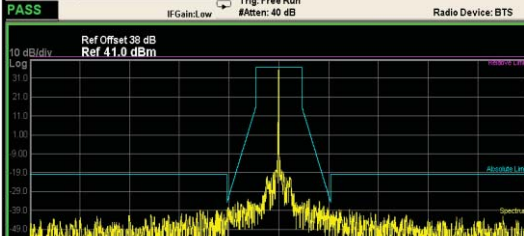


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN OFF 09:29:19 AM Jul 19, 2019 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 38 dB Ref 41.0 dBm 10 dB/div Log  Center 400 MHz Span 120 kHz Total Power Ref 35.87 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.69</td><td>(-1.91)</td><td>0.0</td><td>34.69</td><td>(-1.91)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.08</td><td>(-1.25)</td><td>-12.50 k</td><td>-39.32</td><td>(-4.48)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.20</td><td>(-14.20)</td><td>-13.75 k</td><td>-34.84</td><td>(-14.84)</td><td>12.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.69	(-1.91)	0.0	34.69	(-1.91)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.08	(-1.25)	-12.50 k	-39.32	(-4.48)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.20	(-14.20)	-13.75 k	-34.84	(-14.84)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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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-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN OFF 09:17:57 AM Jul 19, 2019 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 38 dB Ref 41.0 dBm 10 dB/div Log  Center 406 MHz Span 120 kHz Total Power Ref 35.92 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.88</td><td>(-1.03)</td><td>0.0</td><td>35.88</td><td>(-1.03)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.87</td><td>(-9.89)</td><td>-11.60 k</td><td>-38.17</td><td>(-9.46)</td><td>11.70 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.98</td><td>(-15.98)</td><td>-14.00 k</td><td>-35.64</td><td>(-15.64)</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></table> File <MASK.D.state> recalled STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.88	(-1.03)	0.0	35.88	(-1.03)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.87	(-9.89)	-11.60 k	-38.17	(-9.46)	11.70 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.98	(-15.98)	-14.00 k	-35.64	(-15.64)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	35.88	(-1.03)	0.0	35.88	(-1.03)	0.0																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-35.98	(-15.98)	-14.00 k	-35.64	(-15.64)	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	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE PULSE ALIGN OFF 09:18:19 AM Jul 19, 2019 Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS PASS IF Gain: Low #Atten: 40 dB Ref Offset 38 dB Ref 41.0 dBm 10 dB/div Log  Center 406 MHz Span 120 kHz Total Power Ref 35.98 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.99</td><td>(-1.92)</td><td>0.0</td><td>34.99</td><td>(-1.92)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.07</td><td>(-2.99)</td><td>-12.30 k</td><td>-35.81</td><td>(-1.28)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.23</td><td>(-16.23)</td><td>-17.05 k</td><td>-36.24</td><td>(-16.24)</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></table> File <Temp.png> saved STATUS Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.99	(-1.92)	0.0	34.99	(-1.92)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.07	(-2.99)	-12.30 k	-35.81	(-1.28)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.23	(-16.23)	-17.05 k	-36.24	(-16.24)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																												
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz PASS Ref Offset 38 dB Ref 41.0 dBm  Center 406.1 MHz Span 120 kHz Total Power Ref 35.90 dBm/0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.83</td><td>(-0.99)</td><td>0.0</td><td>35.83</td><td>(-0.99)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.10</td><td>(-2.49)</td><td>-12.50 k</td><td>-38.73</td><td>(-4.12)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.85</td><td>(-16.85)</td><td>-13.95 k</td><td>-36.72</td><td>(-16.72)</td><td>14.30 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></table> Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_{M2}</td><td> Agilent Spectrum Analyzer - 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TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 38 dB Ref 41.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 36.12 dBm/0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.48</td><td>(-1.31)</td><td>-50.00</td><td>35.45</td><td>(-1.34)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.60</td><td>(-5.50)</td><td>-12.15 k</td><td>-38.93</td><td>(-7.19)</td><td>12.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>-38.44</td><td>(-18.44)</td><td>-12.50 k</td><td>-38.56</td><td>(-18.56)</td><td>14.60 k</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></table> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.48	(-1.31)	-50.00	35.45	(-1.34)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.60	(-5.50)	-12.15 k	-38.93	(-7.19)	12.10 k	4.000 MHz	8.000 MHz	1.000 MHz	-38.44	(-18.44)	-12.50 k	-38.56	(-18.56)	14.60 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																						
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																																																																																																																																																							
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4.000 MHz	8.000 MHz	1.000 MHz	-38.44	(-18.44)	-12.50 k	-38.56	(-18.56)	14.60 k																																																																																																																																																																																							
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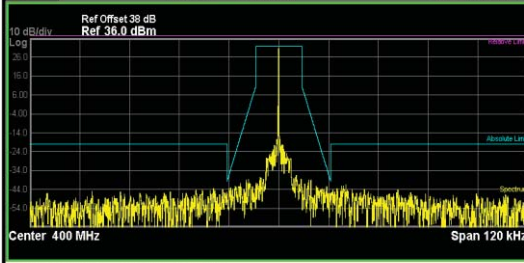
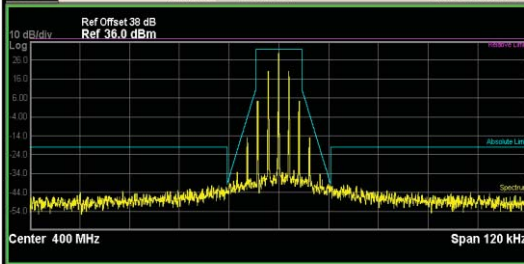
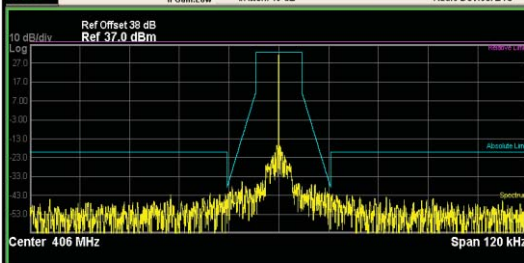


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask 70 R L S F 50.0 Hz Center Freq 438.012500 MHz PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS 09-26-22 AM Jul 19, 2019 Ref Offset 38 dB Ref 41.0 dBm 10 dB/div 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 438 MHz Span 120 kHz Total Power Ref 36.16 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.60</td><td>(-2.19)</td><td>0.0</td><td>34.60</td><td>(-2.19)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.76</td><td>(-2.85)</td><td>-12.40 k</td><td>-38.17</td><td>(-3.53)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.58</td><td>(-14.58)</td><td>-15.50 k</td><td>-35.14</td><td>(-15.14)</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></table> File <Temp.png> saved (STATUS) Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	34.60	(-2.19)	0.0	34.60	(-2.19)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.76	(-2.85)	-12.40 k	-38.17	(-3.53)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.58	(-14.58)	-15.50 k	-35.14	(-15.14)	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)	Freq (Hz)	Peak → dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	34.60	(-2.19)	0.0	34.60	(-2.19)	0.0																																																										
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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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask 70 R L S F 50.0 Hz Center Freq 469.987500 MHz PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS 09-14-57 AM Jul 19, 2019 Ref Offset 38 dB Ref 41.0 dBm 10 dB/div 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 470 MHz Span 120 kHz Total Power Ref 35.79 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.52</td><td>(-1.47)</td><td>0.0</td><td>35.81</td><td>(-1.18)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.63</td><td>(7.36)</td><td>-12.20 k</td><td>-39.15</td><td>(6.16)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.76</td><td>(-17.76)</td><td>-20.00 k</td><td>-38.34</td><td>(-18.34)</td><td>18.65 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></table> File <MASK.D.state> recalled (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak → dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.52	(-1.47)	0.0	35.81	(-1.18)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-39.63	(7.36)	-12.20 k	-39.15	(6.16)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.76	(-17.76)	-20.00 k	-38.34	(-18.34)	18.65 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak → dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	35.52	(-1.47)	0.0	35.81	(-1.18)	50.00																																																										
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12.50 kHz	60.00 kHz	100.0 Hz	-37.76	(-17.76)	-20.00 k	-38.34	(-18.34)	18.65 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	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask 70 R L S F 50.0 Hz Center Freq 469.987500 MHz PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS 09-15-19 AM Jul 19, 2019 Ref Offset 38 dB Ref 41.0 dBm 10 dB/div 30.0 20.0 10.0 0.0 -10.0 -20.0 -30.0 -40.0 Center 470 MHz Span 120 kHz Total Power Ref 36.33 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.64</td><td>(-2.35)</td><td>0.0</td><td>34.85</td><td>(-2.13)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.57</td><td>(-3.12)</td><td>-12.50 k</td><td>-36.83</td><td>(-2.38)</td><td>12.50 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>-34.73</td><td>(-14.73)</td><td>-13.45 k</td><td>-35.81</td><td>(-15.81)</td><td>14.05 k</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></table> File <Temp.png> saved (STATUS) Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	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	34.64	(-2.35)	0.0	34.85	(-2.13)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.57	(-3.12)	-12.50 k	-36.83	(-2.38)	12.50 k	4.000 MHz	8.000 MHz	1.000 MHz	-34.73	(-14.73)	-13.45 k	-35.81	(-15.81)	14.05 k	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—									
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak → dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	-34.73	(-14.73)	-13.45 k	-35.81	(-15.81)	14.05 k																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz PASS Ref Offset 38 dB Ref 36.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 30.87 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.58</td><td>(-1.13)</td><td>-50.00</td><td>30.51</td><td>(-1.20)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.55</td><td>(-6.82)</td><td>-12.50 k</td><td>-46.08</td><td>(-7.44)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.50</td><td>(-23.50)</td><td>-15.65 k</td><td>-41.48</td><td>(-21.48)</td><td>16.20 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></table> File <MASK.D> state> recalled Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.58	(-1.13)	-50.00	30.51	(-1.20)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.55	(-6.82)	-12.50 k	-46.08	(-7.44)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.50	(-23.50)	-15.65 k	-41.48	(-21.48)	16.20 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 400.012500 MHz PASS Ref Offset 38 dB Ref 36.0 dBm  Center 400 MHz Span 120 kHz Total Power Ref 30.92 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.76</td><td>(-1.95)</td><td>0.0</td><td>29.76</td><td>(-1.95)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.46</td><td>(-1.73)</td><td>-12.50 k</td><td>-39.95</td><td>(-0.95)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.39</td><td>(-20.39)</td><td>-16.15 k</td><td>-40.02</td><td>(-20.02)</td><td>15.65 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></table> File <Temp.png> saved Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.76	(-1.95)	0.0	29.76	(-1.95)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.46	(-1.73)	-12.50 k	-39.95	(-0.95)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.39	(-20.39)	-16.15 k	-40.02	(-20.02)	15.65 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz PASS Ref Offset 38 dB Ref 37.0 dBm  Center 406 MHz Span 120 kHz Total Power Ref 31.54 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.48</td><td>(-1.12)</td><td>0.0</td><td>31.48</td><td>(-1.12)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.14</td><td>(-5.86)</td><td>-12.15 k</td><td>-42.37</td><td>(-6.08)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.83</td><td>(-21.83)</td><td>-16.55 k</td><td>-42.26</td><td>(-22.26)</td><td>13.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <MASK.D> state> recalled Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.48	(-1.12)	0.0	31.48	(-1.12)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.14	(-5.86)	-12.15 k	-42.37	(-6.08)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.83	(-21.83)	-16.55 k	-42.26	(-22.26)	13.00 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	31.48	(-1.12)	0.0	31.48	(-1.12)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-42.14	(-5.86)	-12.15 k	-42.37	(-6.08)	12.15 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.83	(-21.83)	-16.55 k	-42.26	(-22.26)	13.00 k																																																										
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

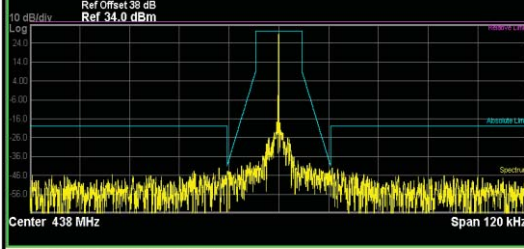
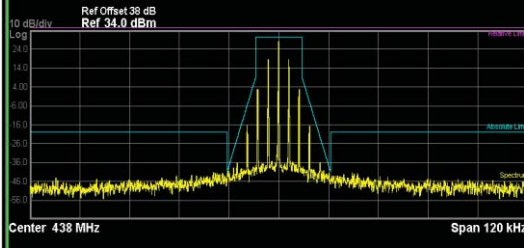
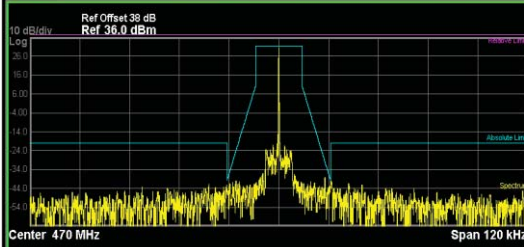


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																			
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz PASS Ref Offset 38 dB Ref 37.0 dBm Center 406 MHz Span 120 kHz Total Power Ref 31.63 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.61</td><td>(-1.99)</td><td>0.0</td><td>30.61</td><td>(-1.99)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.67</td><td>(-1.02)</td><td>-12.20 k</td><td>-39.96</td><td>(-1.13)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.18</td><td>(-18.18)</td><td>-13.05 k</td><td>-39.21</td><td>(-19.21)</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></table> File <Temp.png> saved Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.61	(-1.99)	0.0	30.61	(-1.99)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.67	(-1.02)	-12.20 k	-39.96	(-1.13)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.18	(-18.18)	-13.05 k	-39.21	(-19.21)	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	—	(—)	—	—	(—)	—	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz PASS Ref Offset 38 dB Ref 37.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 32.28 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>31.63</td><td>(-1.16)</td><td>0.0</td><td>31.65</td><td>(-1.14)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.33</td><td>(-6.95)</td><td>-12.05 k</td><td>-44.14</td><td>(-5.85)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.26</td><td>(-18.26)</td><td>-14.05 k</td><td>-40.53</td><td>(-20.53)</td><td>12.80 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></table> File <MASK.D.state> recalled Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.63	(-1.16)	0.0	31.65	(-1.14)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.33	(-6.95)	-12.05 k	-44.14	(-5.85)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.26	(-18.26)	-14.05 k	-40.53	(-20.53)	12.80 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	—	(—)	—	—	(—)	—	FM	CH _{M2}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz PASS Ref Offset 38 dB Ref 37.0 dBm Center 406.1 MHz Span 120 kHz Total Power Ref 32.08 dBm 0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.75</td><td>(-2.04)</td><td>0.0</td><td>30.75</td><td>(-2.04)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.63</td><td>(-3.71)</td><td>-12.40 k</td><td>-41.39</td><td>(-2.74)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.13</td><td>(-19.13)</td><td>-13.75 k</td><td>-38.33</td><td>(-18.33)</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></table> File <Temp.png> saved Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.75	(-2.04)	0.0	30.75	(-2.04)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-41.63	(-3.71)	-12.40 k	-41.39	(-2.74)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.13	(-19.13)	-13.75 k	-38.33	(-18.33)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
		Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																																																																																																																																																												
		0.0 Hz	5.625 kHz	100.0 Hz	30.61	(-1.99)	0.0	30.61	(-1.99)	0.0																																																																																																																																																																																												
5.625 kHz	12.50 kHz	100.0 Hz	-37.67	(-1.02)	-12.20 k	-39.96	(-1.13)	12.50 k																																																																																																																																																																																														
12.50 kHz	60.00 kHz	100.0 Hz	-38.18	(-18.18)	-13.05 k	-39.21	(-19.21)	13.50 k																																																																																																																																																																																														
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																																																																														
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0.0 Hz	5.625 kHz	100.0 Hz	31.63	(-1.16)	0.0	31.65	(-1.14)	50.00																																																																																																																																																																																														
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12.50 kHz	60.00 kHz	100.0 Hz	-38.26	(-18.26)	-14.05 k	-40.53	(-20.53)	12.80 k																																																																																																																																																																																														
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																																																																																																																																																														
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0.0 Hz	5.625 kHz	100.0 Hz	30.75	(-2.04)	0.0	30.75	(-2.04)	50.00																																																																																																																																																																																														
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12.50 kHz	60.00 kHz	100.0 Hz	-39.13	(-19.13)	-13.75 k	-38.33	(-18.33)	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	—	(—)	—	—	(—)	—																																																																																																																																																																																														



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 38 dB Ref 34.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 29.55 dBm/0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.95</td><td>(-1.39)</td><td>0.0</td><td>28.95</td><td>(-1.39)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.80</td><td>(-4.53)</td><td>-12.25 k</td><td>-43.28</td><td>(-2.91)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.10</td><td>(-22.10)</td><td>-14.35 k</td><td>-42.22</td><td>(-22.22)</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></table> File <MASK.D.state> recalled Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.95	(-1.39)	0.0	28.95	(-1.39)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.80	(-4.53)	-12.25 k	-43.28	(-2.91)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.10	(-22.10)	-14.35 k	-42.22	(-22.22)	12.95 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz PASS Ref Offset 38 dB Ref 34.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 29.60 dBm/0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.05</td><td>(-2.29)</td><td>0.0</td><td>28.05</td><td>(-2.29)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.74</td><td>(-1.83)</td><td>-12.20 k</td><td>-41.64</td><td>(-2.72)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.39</td><td>(-21.39)</td><td>-15.65 k</td><td>-41.29</td><td>(-21.29)</td><td>17.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table> File <Temp.png> saved Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.05	(-2.29)	0.0	28.05	(-2.29)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.74	(-1.83)	-12.20 k	-41.64	(-2.72)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.39	(-21.39)	-15.65 k	-41.29	(-21.29)	17.75 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
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5.625 kHz	12.50 kHz	100.0 Hz	-40.74	(-1.83)	-12.20 k	-41.64	(-2.72)	12.20 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.39	(-21.39)	-15.65 k	-41.29	(-21.29)	17.75 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	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz PASS Ref Offset 38 dB Ref 36.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 30.93 dBm/0.0125 MHz <table><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 ΔLim(dB)</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.33</td><td>(-1.25)</td><td>0.0</td><td>30.33</td><td>(-1.25)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.14</td><td>(-4.65)</td><td>-12.45 k</td><td>-42.40</td><td>(-2.91)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.81</td><td>(-21.81)</td><td>-16.80 k</td><td>-40.09</td><td>(-20.09)</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></table> File <MASK.D.state> recalled Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	30.33	(-1.25)	0.0	30.33	(-1.25)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.14	(-4.65)	-12.45 k	-42.40	(-2.91)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.81	(-21.81)	-16.80 k	-40.09	(-20.09)	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)	Freq (Hz)	Peak ΔLim(dB)	Upper ΔLim(dB)	Freq (Hz)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	30.33	(-1.25)	0.0	30.33	(-1.25)	0.0																																																										
5.625 kHz	12.50 kHz	100.0 Hz	-44.14	(-4.65)	-12.45 k	-42.40	(-2.91)	12.45 k																																																										
12.50 kHz	60.00 kHz	100.0 Hz	-41.81	(-21.81)	-16.80 k	-40.09	(-20.09)	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	—	(—)	—	—	(—)	—																																																										



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask 20 R L RE 50.0 Hz Center Freq 469.987500 MHz PASS IF Gain: Low Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 38 dB Ref 36.0 dBm 10 dB/div 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 Center 470 MHz Span 120 kHz Total Power Ref 30.97 dBm/0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.40</td><td>(-2.18)</td><td>0.0</td><td>29.40</td><td>(-2.18)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.45</td><td>(-0.59)</td><td>-12.50 k</td><td>-39.55</td><td>(-0.42)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.01</td><td>(-21.01)</td><td>-12.50 k</td><td>-39.62</td><td>(-19.62)</td><td>12.80 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></table> File <Temp.png> saved STATUS: Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.40	(-2.18)	0.0	29.40	(-2.18)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.45	(-0.59)	-12.50 k	-39.55	(-0.42)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.01	(-21.01)	-12.50 k	-39.62	(-19.62)	12.80 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	—	(—)	—	—	(—)	—	
			Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																								
0.0 Hz	5.625 kHz	100.0 Hz	29.40	(-2.18)	0.0	29.40	(-2.18)	50.00																																																											
5.625 kHz	12.50 kHz	100.0 Hz	-40.45	(-0.59)	-12.50 k	-39.55	(-0.42)	12.40 k																																																											
12.50 kHz	60.00 kHz	100.0 Hz	-41.01	(-21.01)	-12.50 k	-39.62	(-19.62)	12.80 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	—	(—)	—	—	(—)	—																																																											

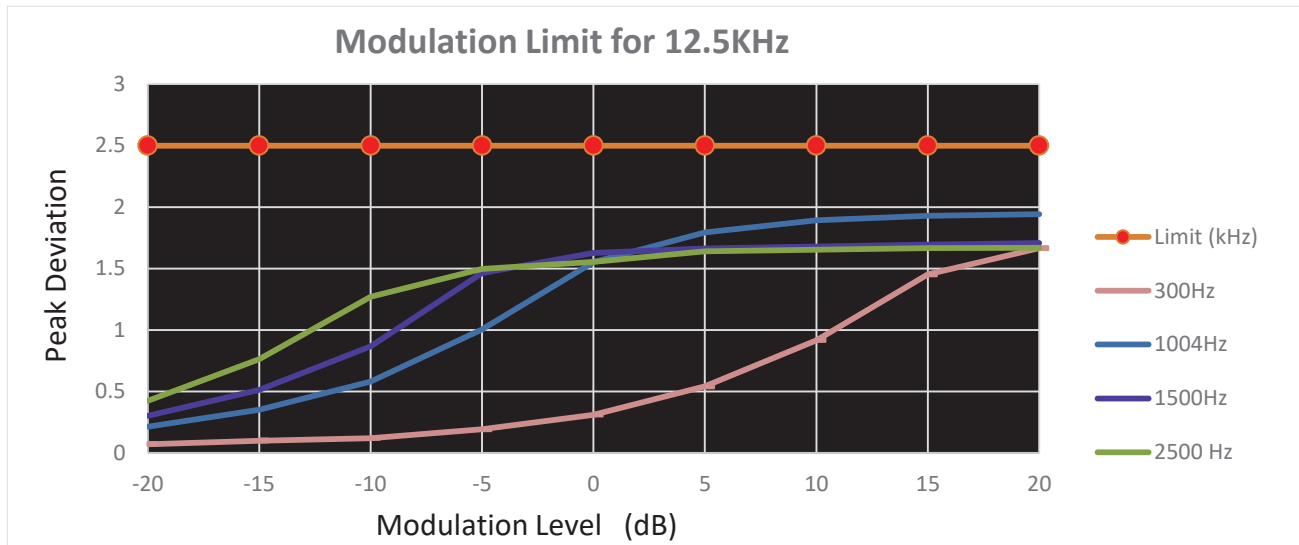
**Appendix D:Modulation Limit**

Operation 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	0.071	0.215	0.302	0.424	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.1	0.351	0.513	0.764	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.121	0.582	0.868	1.27	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.193	1.005	1.463	1.498	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.311	1.552	1.626	1.553	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.541	1.794	1.663	1.641	2.5	PASS
TX-ANH	FM	CH _{M2}	10	0.917	1.892	1.68	1.652	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.452	1.93	1.695	1.666	2.5	PASS
TX-ANH	FM	CH _{M2}	20	1.665	1.943	1.708	1.669	2.5	PASS



Appendix D:Modulation Limit

TEST PLOT RESULT



**Appendix E:Aduio Frequency Response**

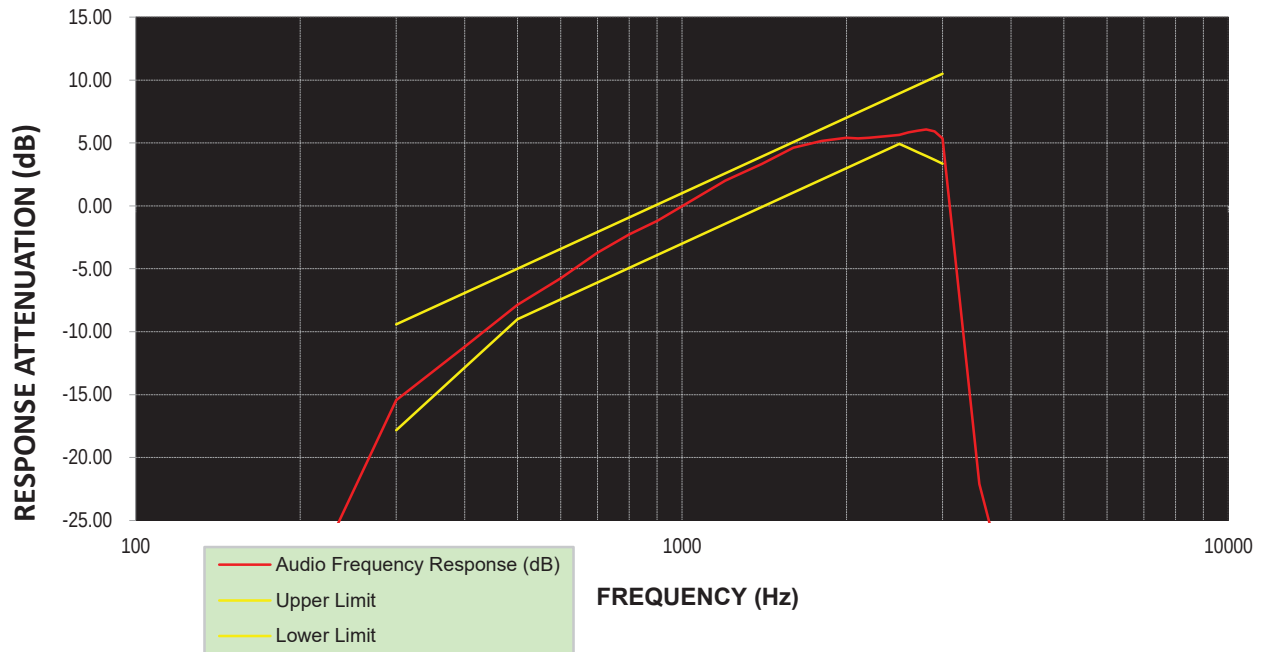
Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-31.63	-	-	PASS
TX-ANH	FM	CH _{M2}	200	-31.63	-	-	PASS
TX-ANH	FM	CH _{M2}	300	-15.44	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-11.20	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-7.85	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-5.76	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.71	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.26	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.20	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.04	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.99	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	3.34	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.62	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.16	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	5.40	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	5.37	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	5.40	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	5.50	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	5.56	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	5.63	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	5.84	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	5.97	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	6.07	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	5.92	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	5.35	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-22.10	-	-	PASS
TX-ANH	FM	CH _{M2}	4000	-31.79	-	-	PASS
TX-ANH	FM	CH _{M2}	4500	-31.59	-	-	PASS
TX-ANH	FM	CH _{M2}	5000	-31.45	-	-	PASS



Appendix E:Aduio Frequency Response

TEST PLOT RESULT

Aduio Freqeuncy Response For 12.5kHz



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

**Appendix F:Frequency Stability Test & Temperature**

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _{M1}	CH _{M2}	CH _{M3}	CH _H		
TX-DNH	4FSK	V _N	-30	-0.184	-0.228	-0.227	-0.216	-0.233	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.189	-0.220	-0.225	-0.221	-0.227	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.183	-0.237	-0.213	-0.214	-0.221	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.176	-0.232	-0.218	-0.210	-0.224	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.190	-0.228	-0.221	-0.219	-0.240	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.175	-0.218	-0.207	-0.207	-0.219	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.183	-0.239	-0.216	-0.211	-0.234	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.185	-0.218	-0.215	-0.215	-0.239	±5.0	PASS
TX-DNH	4FSK	V _N	55	-0.179	-0.228	-0.224	-0.226	-0.234	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.175	-0.229	-0.199	-0.229	-0.207	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.186	-0.239	-0.193	-0.230	-0.226	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.188	-0.239	-0.197	-0.213	-0.216	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.184	-0.236	-0.196	-0.223	-0.222	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.189	-0.236	-0.201	-0.223	-0.219	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.174	-0.223	-0.192	-0.212	-0.206	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.186	-0.235	-0.203	-0.228	-0.220	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.185	-0.243	-0.208	-0.223	-0.210	±5.0	PASS
TX-DNL	4FSK	V _N	55	-0.189	-0.232	-0.199	-0.218	-0.214	±5.0	PASS
TX-ANH	FM	V _N	-30	0.299	0.305	0.298	0.304	0.269	±5.0	PASS
TX-ANH	FM	V _N	-20	0.296	0.302	0.298	0.288	0.250	±5.0	PASS
TX-ANH	FM	V _N	-10	0.304	0.295	0.288	0.293	0.253	±5.0	PASS
TX-ANH	FM	V _N	0	0.305	0.306	0.297	0.286	0.262	±5.0	PASS
TX-ANH	FM	V _N	10	0.314	0.313	0.297	0.291	0.267	±5.0	PASS
TX-ANH	FM	V _N	20	0.293	0.290	0.287	0.286	0.247	±5.0	PASS
TX-ANH	FM	V _N	30	0.321	0.298	0.302	0.298	0.269	±5.0	PASS
TX-ANH	FM	V _N	40	0.306	0.310	0.291	0.314	0.261	±5.0	PASS
TX-ANH	FM	V _N	55	0.299	0.301	0.315	0.301	0.266	±5.0	PASS
TX-ANL	FM	V _N	-30	0.320	0.308	0.311	0.321	0.286	±5.0	PASS
TX-ANL	FM	V _N	-20	0.315	0.320	0.315	0.330	0.279	±5.0	PASS
TX-ANL	FM	V _N	-10	0.324	0.312	0.310	0.312	0.293	±5.0	PASS
TX-ANL	FM	V _N	0	0.307	0.306	0.302	0.318	0.277	±5.0	PASS
TX-ANL	FM	V _N	10	0.298	0.316	0.317	0.310	0.271	±5.0	PASS
TX-ANL	FM	V _N	20	0.297	0.296	0.291	0.301	0.269	±5.0	PASS
TX-ANL	FM	V _N	30	0.324	0.307	0.307	0.321	0.294	±5.0	PASS
TX-ANL	FM	V _N	40	0.324	0.321	0.315	0.303	0.282	±5.0	PASS
TX-ANL	FM	V _N	55	0.314	0.297	0.314	0.303	0.287	±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	<u>-0.175</u>	-0.218	-0.207	-0.207	-0.219	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.179	-0.218	-0.210	-0.210	-0.221	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.185	-0.224	-0.218	-0.209	-0.230	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.174	-0.223	-0.192	-0.212	-0.206	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.176	-0.224	-0.196	-0.216	-0.207	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.178	-0.226	-0.194	-0.213	-0.209	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.293	0.290	0.287	0.286	0.247	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.294	0.294	0.291	0.291	0.250	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.309	0.305	0.300	0.291	0.250	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.297	0.296	0.291	0.301	0.269	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.298	0.302	0.295	0.305	0.271	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.309	0.300	0.296	<u>0.310</u>	0.276	±5.0	PASS



Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																				
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 38.00 dBm Offset 21.00 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 30.32 dBm</td><td colspan="2">Carrier Offset 43.84 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>12.133 kHz</td><td>-12.231 kHz</td><td>12.182 kHz</td><td>8.722 kHz</td></tr><tr><td colspan="2">Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td colspan="2">1.0401 kHz</td><td>---</td><td>---</td></tr></table> Analog Demod: Waiting for Trigger...Measuring... Date: 20 JUN 2019 11:15:15 OFF~ON	Carrier Power 30.32 dBm		Carrier Offset 43.84 Hz		+Peak	-Peak	+Peak/2	RMS	12.133 kHz	-12.231 kHz	12.182 kHz	8.722 kHz	Mod. Freq.		SINAD	THD	1.0401 kHz		---	---
Carrier Power 30.32 dBm		Carrier Offset 43.84 Hz																					
+Peak	-Peak	+Peak/2	RMS																				
12.133 kHz	-12.231 kHz	12.182 kHz	8.722 kHz																				
Mod. Freq.		SINAD	THD																				
1.0401 kHz		---	---																				
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 38.00 dBm Offset 21.00 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 30.29 dBm</td><td colspan="2">Carrier Offset 32.17 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>28.685 kHz</td><td>-12.26 kHz</td><td>20.473 kHz</td><td>2.8376 kHz</td></tr><tr><td colspan="2">Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td colspan="2">---</td><td>---</td><td>---</td></tr></table> Analog Demod: Waiting for Trigger...Measuring... Date: 20 JUN 2019 11:14:46 ON-OFF	Carrier Power 30.29 dBm		Carrier Offset 32.17 Hz		+Peak	-Peak	+Peak/2	RMS	28.685 kHz	-12.26 kHz	20.473 kHz	2.8376 kHz	Mod. Freq.		SINAD	THD	---		---	---
Carrier Power 30.29 dBm		Carrier Offset 32.17 Hz																					
+Peak	-Peak	+Peak/2	RMS																				
28.685 kHz	-12.26 kHz	20.473 kHz	2.8376 kHz																				
Mod. Freq.		SINAD	THD																				
---		---	---																				
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 38.00 dBm Offset 21.00 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td colspan="2">Carrier Power 30.31 dBm</td><td colspan="2">Carrier Offset 27.11 Hz</td></tr><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td></tr><tr><td>12.135 kHz</td><td>-12.335 kHz</td><td>12.235 kHz</td><td>2.7795 kHz</td></tr><tr><td colspan="2">Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td colspan="2">---</td><td>---</td><td>---</td></tr></table> Analog Demod: Waiting for Trigger...Measuring... Date: 20 JUN 2019 11:12:22 OFF~ON	Carrier Power 30.31 dBm		Carrier Offset 27.11 Hz		+Peak	-Peak	+Peak/2	RMS	12.135 kHz	-12.335 kHz	12.235 kHz	2.7795 kHz	Mod. Freq.		SINAD	THD	---		---	---
Carrier Power 30.31 dBm		Carrier Offset 27.11 Hz																					
+Peak	-Peak	+Peak/2	RMS																				
12.135 kHz	-12.335 kHz	12.235 kHz	2.7795 kHz																				
Mod. Freq.		SINAD	THD																				
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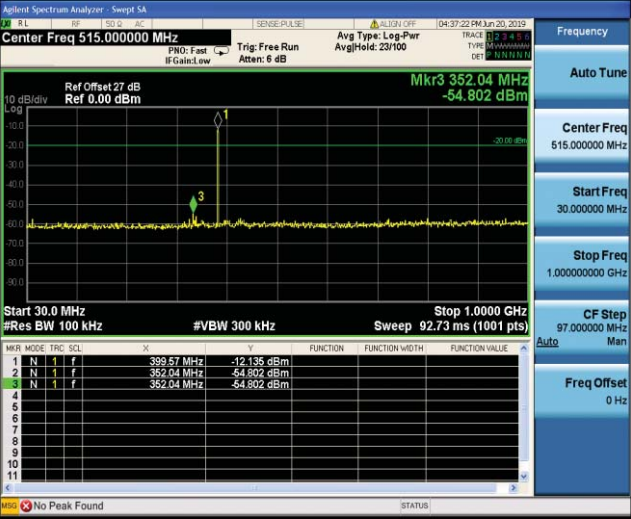
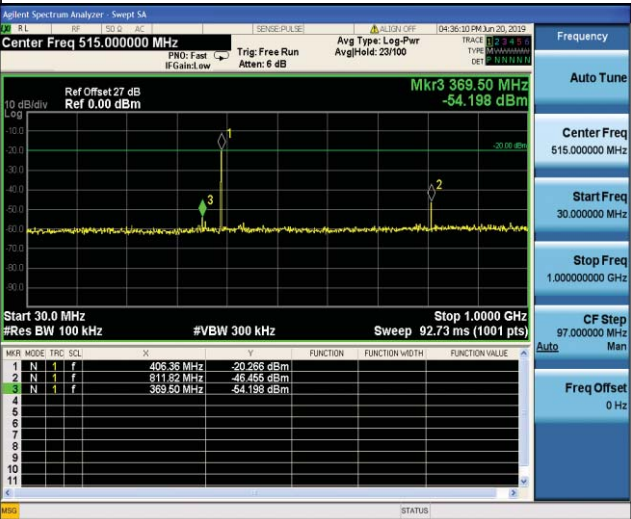


Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																				
TX-ANH	FM	CH _{M2}	MultiView Spectrum Analog Demod Ref Level 38.00 dBm Offset 21.00 dB Att 27 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRIG JFSX (170MHz) VSG Bypass 1 FM Time Domain LAP Clw DC Ref 0.00 Hz CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><th></th><th>+Peak</th><th>-Peak</th><th>+Peak/2</th><th>RMS</th><th>Carrier Power</th><th>Carrier Offset</th><th>Mod. Freq.</th><th>SINAD</th><th>THD</th></tr><tr><td>FM</td><td>19.544 kHz</td><td>-24.93 kHz</td><td>22.237 kHz</td><td>2.8339 kHz</td><td>30.30 dBm</td><td>32.16 Hz</td><td></td><td></td><td></td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 20.06.2019 11:13:07 Date: 20.JUN.2019 11:13:07 ON-OFF		+Peak	-Peak	+Peak/2	RMS	Carrier Power	Carrier Offset	Mod. Freq.	SINAD	THD	FM	19.544 kHz	-24.93 kHz	22.237 kHz	2.8339 kHz	30.30 dBm	32.16 Hz			
	+Peak	-Peak	+Peak/2	RMS	Carrier Power	Carrier Offset	Mod. Freq.	SINAD	THD														
FM	19.544 kHz	-24.93 kHz	22.237 kHz	2.8339 kHz	30.30 dBm	32.16 Hz																	



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 30MHz~1GHz
TX-DNH	4FSK	CH _L	 1GHz~10th Harmonic
TX-DNH	4FSK	CH _{M1}	 30MHz~1GHz

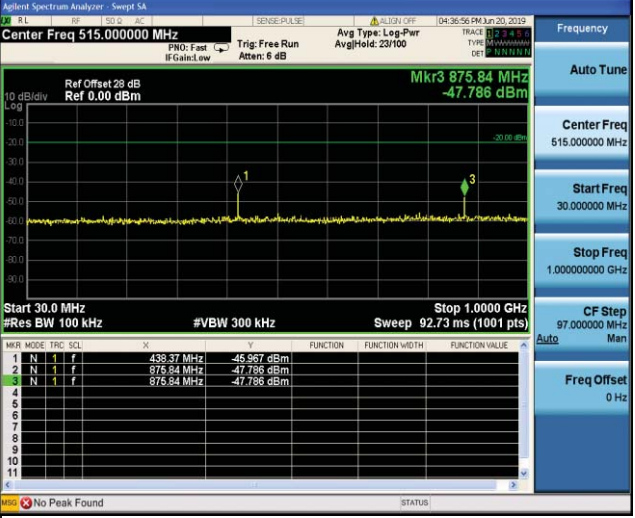
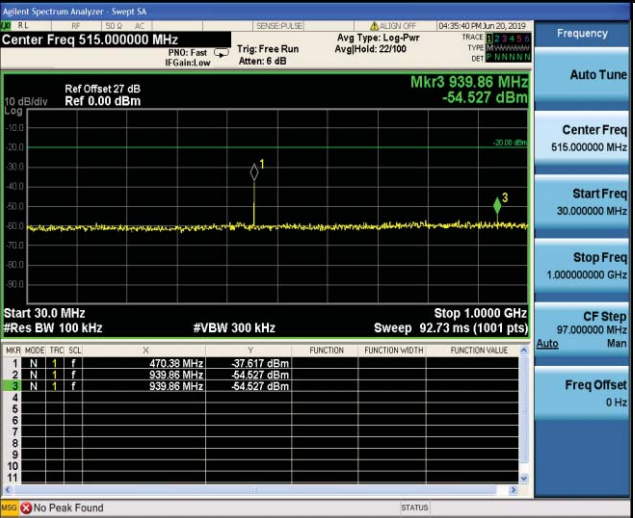


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M1}	
TX-DNH	4FSK	CH _{M2}	
TX-DNH	4FSK	CH _{M2}	

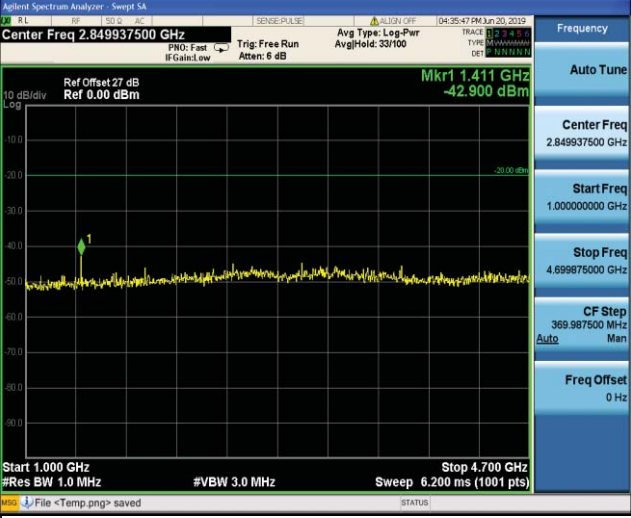
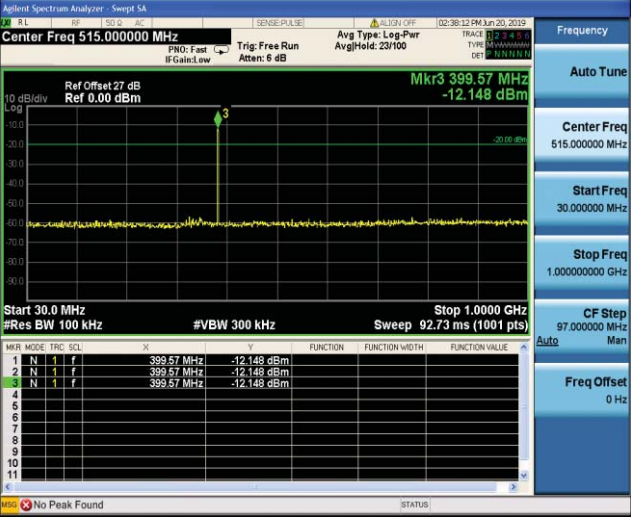


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 28 dB Ref 0.00 dBm Mkr3 875.84 MHz -47.786 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) Mkr Mode TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 438.37 MHz -45.967 dBm 2 N 1 f 875.84 MHz -47.786 dBm 3 N 1 f 875.84 MHz -47.786 dBm No Peak Found 30MHz~1GHz
TX-DNH	4FSK	CH _{M3}	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.690062500 GHz Ref Offset 28 dB Ref 0.00 dBm Mkr1 2.751 GHz -43.998 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.380 GHz Sweep 5.667 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 939.86 MHz -54.527 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) Mkr Mode TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 470.38 MHz -37.617 dBm 2 N 1 f 939.86 MHz -54.527 dBm 3 N 1 f 939.86 MHz -54.527 dBm No Peak Found 30MHz~1GHz

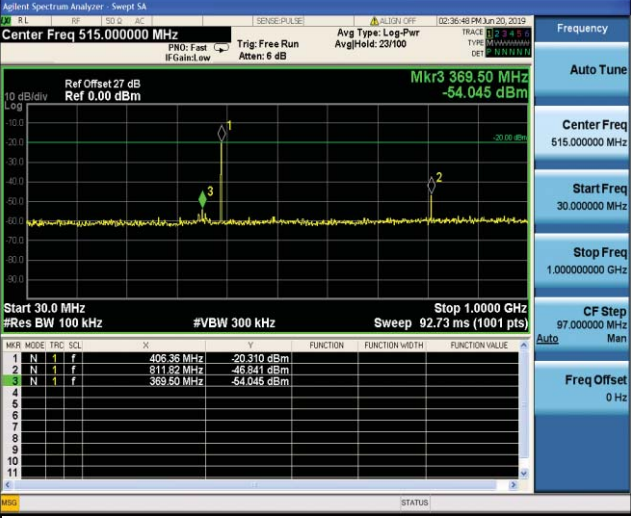
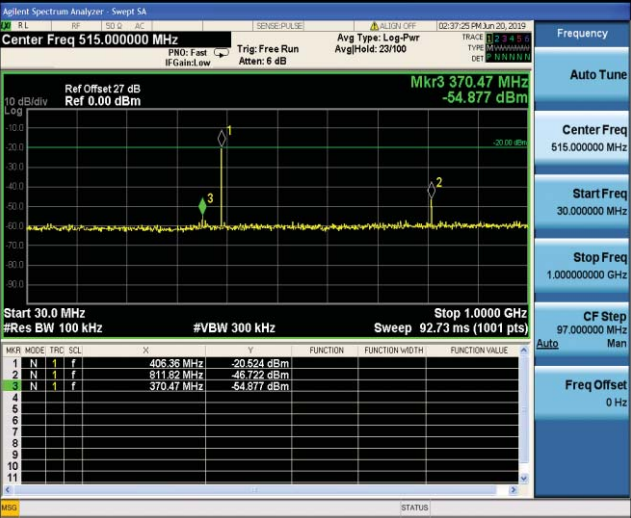


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.849937500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 1.411 GHz -42.900 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts) File <Temp.png> saved Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 27 dB Ref 0.00 dBm Mkr3 399.57 MHz -12.148 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) No Peak Found Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz 30MHz~1GHz
TX-ANH	FM	CH _L	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.500062500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 2.686 GHz -45.258 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts) File <Temp.png> saved Frequency Auto Tune Center Freq 2.500062500 GHz Start Freq 1.000000000 GHz Stop Freq 4.000125000 GHz CF Step 300.012500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M1}	 30MHz~1GHz
TX-ANH	FM	CH _{M1}	 1GHz~10th Harmonic
TX-ANH	FM	CH _{M2}	 30MHz~1GHz

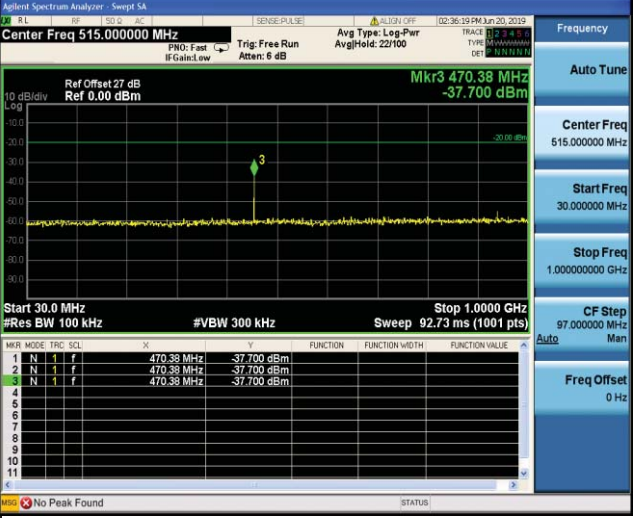
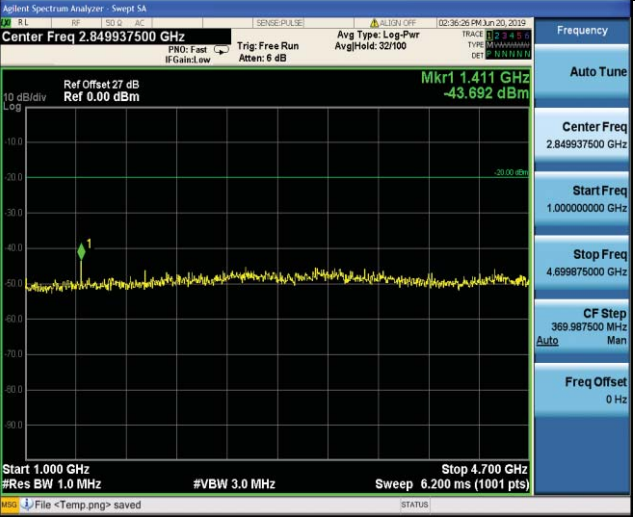


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.530562500 GHz Ref Offset 27 dB Ref 0.00 dBm Mkr1 2.032 GHz -44.254 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 28 dB Ref 0.00 dBm Mkr3 438.37 MHz -47.165 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) No Peak Found 30MHz~1GHz
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.690062500 GHz Ref Offset 28 dB Ref 0.00 dBm Mkr1 2.190 GHz -41.067 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.667 ms (1001 pts) File <Temp.png> saved 1GHz~10th Harmonic



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _H	 30MHz~1GHz
TX-ANH	FM	CH _H	 1GHz~10th Harmonic

----End of Report----