

8 APPENDIX REPORT

**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	35.8	3.80	4.00	-5.0	±20	PASS
TX-DNH	4FSK	CH _{M1}	35.9	3.89	4.00	-2.7	±20	PASS
TX-DNH	4FSK	CH _{M2}	36.0	3.98	4.00	-0.5	±20	PASS
TX-DNH	4FSK	CH _{M3}	35.7	3.72	4.00	-7.1	±20	PASS
TX-DNH	4FSK	CH _H	35.8	3.80	4.00	-5.0	±20	PASS
TX-DNL	4FSK	CH _L	29.6	0.91	1.00	-8.8	±20	PASS
TX-DNL	4FSK	CH _{M1}	29.7	0.93	1.00	-6.7	±20	PASS
TX-DNL	4FSK	CH _{M2}	29.9	0.98	1.00	-2.3	±20	PASS
TX-DNL	4FSK	CH _{M3}	29.8	0.95	1.00	-4.5	±20	PASS
TX-DNL	4FSK	CH _H	29.8	0.95	1.00	-4.5	±20	PASS
TX-ANH	FM	CH _L	35.7	3.72	4.00	-7.1	±20	PASS
TX-ANH	FM	CH _{M1}	35.6	3.63	4.00	-9.2	±20	PASS
TX-ANH	FM	CH _{M2}	35.9	3.89	4.00	-2.7	±20	PASS
TX-ANH	FM	CH _{M3}	35.8	3.80	4.00	-5.0	±20	PASS
TX-ANH	FM	CH _H	35.7	3.72	4.00	-7.1	±20	PASS
TX-ANL	FM	CH _L	29.5	0.89	1.00	-10.9	±20	PASS
TX-ANL	FM	CH _{M1}	29.4	0.87	1.00	-13.1	±20	PASS
TX-ANL	FM	CH _{M2}	29.5	0.89	1.00	-10.9	±20	PASS
TX-ANL	FM	CH _{M3}	29.4	0.86	1.00	-13.7	±20	PASS
TX-ANL	FM	CH _H	29.6	0.91	1.00	-8.8	±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	7.724	9.728	≤11.25	PASS
TX-DNH	4FSK	CH _{M1}	7.744	10.110	≤11.25	PASS
TX-DNH	4FSK	CH _{M2}	8.096	9.671	≤11.25	PASS
TX-DNH	4FSK	CH _{M3}	7.825	9.834	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.779	9.688	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.818	9.884	≤11.25	PASS
TX-DNL	4FSK	CH _{M1}	8.196	10.610	≤11.25	PASS
TX-DNL	4FSK	CH _{M2}	8.001	10.160	≤11.25	PASS
TX-DNL	4FSK	CH _{M3}	8.290	10.630	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.861	9.642	≤11.25	PASS
TX-ANH	FM	CH _L	9.997	10.180	≤11.25	PASS
TX-ANH	FM	CH _{M1}	10.008	10.180	≤11.25	PASS
TX-ANH	FM	CH _{M2}	9.996	10.180	≤11.25	PASS
TX-ANH	FM	CH _{M3}	9.997	10.180	≤11.25	PASS
TX-ANH	FM	CH _H	9.997	10.180	≤11.25	PASS
TX-ANL	FM	CH _L	9.998	10.180	≤11.25	PASS
TX-ANL	FM	CH _{M1}	9.997	10.180	≤11.25	PASS
TX-ANL	FM	CH _{M2}	9.989	10.180	≤11.25	PASS
TX-ANL	FM	CH _{M3}	9.997	10.180	≤11.25	PASS
TX-ANL	FM	CH _H	10.007	10.180	≤11.25	PASS



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 39.57 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.724 kHz Total Power 42.3 dBm Transmit Freq Error -27 Hz OBW Power 99.00 % x dB Bandwidth 9.728 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 39.51 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.744 kHz Total Power 42.0 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 10.11 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 39.49 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 8.096 kHz Total Power 42.3 dBm Transmit Freq Error -76 Hz OBW Power 99.00 % x dB Bandwidth 9.671 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Ref 39.47 dBm Occupied Bandwidth 7.825 kHz Transmit Freq Error -12 Hz x dB Bandwidth 9.834 kHz</p> <p>Total Power 42.4 dBm OBW Power 99.00 % x dB 26.00 dB</p> <p>MSG STATUS DC Coupled</p>
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 38.87 dBm Occupied Bandwidth 7.799 kHz Transmit Freq Error 53 Hz x dB Bandwidth 9.688 kHz</p> <p>Total Power 41.4 dBm OBW Power 99.00 % x dB 26.00 dB</p> <p>MSG STATUS DC Coupled</p>
TX-DNL	4FSK	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 33.60 dBm Occupied Bandwidth 7.818 kHz Transmit Freq Error -69 Hz x dB Bandwidth 9.884 kHz</p> <p>Total Power 35.0 dBm OBW Power 99.00 % x dB 26.00 dB</p> <p>MSG STATUS DC Coupled</p>



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 33.65 dBm 10 dB/div Log 13.7 13.6 13.5 13.4 13.3 13.2 13.1 13.0 12.9 12.8 12.7 12.6 12.5 12.4 12.3 12.2 12.1 12.0 11.9 11.8 11.7 11.6 11.5 11.4 11.3 11.2 11.1 11.0 10.9 10.8 10.7 10.6 10.5 10.4 10.3 10.2 10.1 10.0 9.9 9.8 9.7 9.6 9.5 9.4 9.3 9.2 9.1 9.0 8.9 8.8 8.7 8.6 8.5 8.4 8.3 8.2 8.1 8.0 7.9 7.8 7.7 7.6 7.5 7.4 7.3 7.2 7.1 7.0 6.9 6.8 6.7 6.6 6.5 6.4 6.3 6.2 6.1 6.0 5.9 5.8 5.7 5.6 5.5 5.4 5.3 5.2 5.1 5.0 4.9 4.8 4.7 4.6 4.5 4.4 4.3 4.2 4.1 4.0 3.9 3.8 3.7 3.6 3.5 3.4 3.3 3.2 3.1 3.0 2.9 2.8 2.7 2.6 2.5 2.4 2.3 2.2 2.1 2.0 1.9 1.8 1.7 1.6 1.5 1.4 1.3 1.2 1.1 1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0 -0.1 -0.2 -0.3 -0.4 -0.5 -0.6 -0.7 -0.8 -0.9 -1.0 -1.1 -1.2 -1.3 -1.4 -1.5 -1.6 -1.7 -1.8 -1.9 -2.0 -2.1 -2.2 -2.3 -2.4 -2.5 -2.6 -2.7 -2.8 -2.9 -3.0 -3.1 -3.2 -3.3 -3.4 -3.5 -3.6 -3.7 -3.8 -3.9 -4.0 -4.1 -4.2 -4.3 -4.4 -4.5 -4.6 -4.7 -4.8 -4.9 -5.0 -5.1 -5.2 -5.3 -5.4 -5.5 -5.6 -5.7 -5.8 -5.9 -6.0 -6.1 -6.2 -6.3 -6.4 -6.5 -6.6 -6.7 -6.8 -6.9 -7.0 -7.1 -7.2 -7.3 -7.4 -7.5 -7.6 -7.7 -7.8 -7.9 -8.0 -8.1 -8.2 -8.3 -8.4 -8.5 -8.6 -8.7 -8.8 -8.9 -9.0 -9.1 -9.2 -9.3 -9.4 -9.5 -9.6 -9.7 -9.8 -9.9 -10.0 -10.1 -10.2 -10.3 -10.4 -10.5 -10.6 -10.7 -10.8 -10.9 -11.0 -11.1 -11.2 -11.3 -11.4 -11.5 -11.6 -11.7 -11.8 -11.9 -12.0 -12.1 -12.2 -12.3 -12.4 -12.5 -12.6 -12.7 -12.8 -12.9 -13.0 -13.1 -13.2 -13.3 -13.4 -13.5 -13.6 -13.7 -13.8 -13.9 -14.0 -14.1 -14.2 -14.3 -14.4 -14.5 -14.6 -14.7 -14.8 -14.9 -15.0 -15.1 -15.2 -15.3 -15.4 -15.5 -15.6 -15.7 -15.8 -15.9 -16.0 -16.1 -16.2 -16.3 -16.4 -16.5 -16.6 -16.7 -16.8 -16.9 -17.0 -17.1 -17.2 -17.3 -17.4 -17.5 -17.6 -17.7 -17.8 -17.9 -18.0 -18.1 -18.2 -18.3 -18.4 -18.5 -18.6 -18.7 -18.8 -18.9 -19.0 -19.1 -19.2 -19.3 -19.4 -19.5 -19.6 -19.7 -19.8 -19.9 -20.0 -20.1 -20.2 -20.3 -20.4 -20.5 -20.6 -20.7 -20.8 -20.9 -21.0 -21.1 -21.2 -21.3 -21.4 -21.5 -21.6 -21.7 -21.8 -21.9 -22.0 -22.1 -22.2 -22.3 -22.4 -22.5 -22.6 -22.7 -22.8 -22.9 -23.0 -23.1 -23.2 -23.3 -23.4 -23.5 -23.6 -23.7 -23.8 -23.9 -24.0 -24.1 -24.2 -24.3 -24.4 -24.5 -24.6 -24.7 -24.8 -24.9 -25.0 -25.1 -25.2 -25.3 -25.4 -25.5 -25.6 -25.7 -25.8 -25.9 -26.0 -26.1 -26.2 -26.3 -26.4 -26.5 -26.6 -26.7 -26.8 -26.9 -27.0 -27.1 -27.2 -27.3 -27.4 -27.5 -27.6 -27.7 -27.8 -27.9 -28.0 -28.1 -28.2 -28.3 -28.4 -28.5 -28.6 -28.7 -28.8 -28.9 -29.0 -29.1 -29.2 -29.3 -29.4 -29.5 -29.6 -29.7 -29.8 -29.9 -30.0 -30.1 -30.2 -30.3 -30.4 -30.5 -30.6 -30.7 -30.8 -30.9 -31.0 -31.1 -31.2 -31.3 -31.4 -31.5 -31.6 -31.7 -31.8 -31.9 -32.0 -32.1 -32.2 -32.3 -32.4 -32.5 -32.6 -32.7 -32.8 -32.9 -33.0 -33.1 -33.2 -33.3 -33.4 -33.5 -33.6 -33.7 -33.8 -33.9 -34.0 -34.1 -34.2 -34.3 -34.4 -34.5 -34.6 -34.7 -34.8 -34.9 -35.0 -35.1 -35.2 -35.3 -35.4 -35.5 -35.6 -35.7 -35.8 -35.9 -36.0 -36.1 -36.2 -36.3 -36.4 -36.5 -36.6 -36.7 -36.8 -36.9 -37.0 -37.1 -37.2 -37.3 -37.4 -37.5 -37.6 -37.7 -37.8 -37.9 -38.0 -38.1 -38.2 -38.3 -38.4 -38.5 -38.6 -38.7 -38.8 -38.9 -39.0 -39.1 -39.2 -39.3 -39.4 -39.5 -39.6 -39.7 -39.8 -39.9 -40.0 -40.1 -40.2 -40.3 -40.4 -40.5 -40.6 -40.7 -40.8 -40.9 -41.0 -41.1 -41.2 -41.3 -41.4 -41.5 -41.6 -41.7 -41.8 -41.9 -42.0 -42.1 -42.2 -42.3 -42.4 -42.5 -42.6 -42.7 -42.8 -42.9 -43.0 -43.1 -43.2 -43.3 -43.4 -43.5 -43.6 -43.7 -43.8 -43.9 -44.0 -44.1 -44.2 -44.3 -44.4 -44.5 -44.6 -44.7 -44.8 -44.9 -45.0 -45.1 -45.2 -45.3 -45.4 -45.5 -45.6 -45.7 -45.8 -45.9 -46.0 -46.1 -46.2 -46.3 -46.4 -46.5 -46.6 -46.7 -46.8 -46.9 -47.0 -47.1 -47.2 -47.3 -47.4 -47.5 -47.6 -47.7 -47.8 -47.9 -48.0 -48.1 -48.2 -48.3 -48.4 -48.5 -48.6 -48.7 -48.8 -48.9 -49.0 -49.1 -49.2 -49.3 -49.4 -49.5 -49.6 -49.7 -49.8 -49.9 -50.0 -50.1 -50.2 -50.3 -50.4 -50.5 -50.6 -50.7 -50.8 -50.9 -51.0 -51.1 -51.2 -51.3 -51.4 -51.5 -51.6 -51.7 -51.8 -51.9 -52.0 -52.1 -52.2 -52.3 -52.4 -52.5 -52.6 -52.7 -52.8 -52.9 -53.0 -53.1 -53.2 -53.3 -53.4 -53.5 -53.6 -53.7 -53.8 -53.9 -54.0 -54.1 -54.2 -54.3 -54.4 -54.5 -54.6 -54.7 -54.8 -54.9 -55.0 -55.1 -55.2 -55.3 -55.4 -55.5 -55.6 -55.7 -55.8 -55.9 -56.0 -56.1 -56.2 -56.3 -56.4 -56.5 -56.6 -56.7 -56.8 -56.9 -57.0 -57.1 -57.2 -57.3 -57.4 -57.5 -57.6 -57.7 -57.8 -57.9 -58.0 -58.1 -58.2 -58.3 -58.4 -58.5 -58.6 -58.7 -58.8 -58.9 -59.0 -59.1 -59.2 -59.3 -59.4 -59.5 -59.6 -59.7 -59.8 -59.9 -60.0 -60.1 -60.2 -60.3 -60.4 -60.5 -60.6 -60.7 -60.8 -60.9 -61.0 -61.1 -61.2 -61.3 -61.4 -61.5 -61.6 -61.7 -61.8 -61.9 -62.0 -62.1 -62.2 -62.3 -62.4 -62.5 -62.6 -62.7 -62.8 -62.9 -63.0 -63.1 -63.2 -63.3 -63.4 -63.5 -63.6 -63.7 -63.8 -63.9 -64.0 -64.1 -64.2 -64.3 -64.4 -64.5 -64.6 -64.7 -64.8 -64.9 -65.0 -65.1 -65.2 -65.3 -65.4 -65.5 -65.6 -65.7 -65.8 -65.9 -66.0 -66.1 -66.2 -66.3 -66.4 -66.5 -66.6 -66.7 -66.8 -66.9 -67.0 -67.1 -67.2 -67.3 -67.4 -67.5 -67.6 -67.7 -67.8 -67.9 -68.0 -68.1 -68.2 -68.3 -68.4 -68.5 -68.6 -68.7 -68.8 -68.9 -69.0 -69.1 -69.2 -69.3 -69.4 -69.5 -69.6 -69.7 -69.8 -69.9 -70.0 -70.1 -70.2 -70.3 -70.4 -70.5 -70.6 -70.7 -70.8 -70.9 -71.0 -71.1 -71.2 -71.3 -71.4 -71.5 -71.6 -71.7 -71.8 -71.9 -72.0 -72.1 -72.2 -72.3 -72.4 -72.5 -72.6 -72.7 -72.8 -72.9 -73.0 -73.1 -73.2 -73.3 -73.4 -73.5 -73.6 -73.7 -73.8 -73.9 -74.0 -74.1 -74.2 -74.3 -74.4 -74.5 -74.6 -74.7 -74.8 -74.9 -75.0 -75.1 -75.2 -75.3 -75.4 -75.5 -75.6 -75.7 -75.8 -75.9 -76.0 -76.1 -76.2 -76.3 -76.4 -76.5 -76.6 -76.7 -76.8 -76.9 -77.0 -77.1 -77.2 -77.3 -77.4 -77.5 -77.6 -77.7 -77.8 -77.9 -78.0 -78.1 -78.2 -78.3 -78.4 -78.5 -78.6 -78.7 -78.8 -78.9 -79.0 -79.1 -79.2 -79.3 -79.4 -79.5 -79.6 -79.7 -79.8 -79.9 -80.0 -80.1 -80.2 -80.3 -80.4 -80.5 -80.6 -80.7 -80.8 -80.9 -81.0 -81.1 -81.2 -81.3 -81.4 -81.5 -81.6 -81.7 -81.8 -81.9 -82.0 -82.1 -82.2 -82.3 -82.4 -82.5 -82.6 -82.7 -82.8 -82.9 -83.0 -83.1 -83.2 -83.3 -83.4 -83.5 -83.6 -83.7 -83.8 -83.9 -84.0 -84.1 -84.2 -84.3 -84.4 -84.5 -84.6 -84.7 -84.8 -84.9 -85.0 -85.1 -85.2 -85.3 -85.4 -85.5 -85.6 -85.7 -85.8 -85.9 -86.0 -86.1 -86.2 -86.3 -86.4 -86.5 -86.6 -86.7 -86.8 -86.9 -87.0 -87.1 -87.2 -87.3 -87.4 -87.5 -87.6 -87.7 -87.8 -87.9 -88.0 -88.1 -88.2 -88.3 -88.4 -88.5 -88.6 -88.7 -88.8 -88.9 -89.0 -89.1 -89.2 -89.3 -89.4 -89.5 -89.6 -89.7 -89.8 -89.9 -90.0 -90.1 -90.2 -90.3 -90.4 -90.5 -90.6 -90.7 -90.8 -90.9 -91.0 -91.1 -91.2 -91.3 -91.4 -91.5 -91.6 -91.7 -91.8 -91.9 -92.0 -92.1 -92.2 -92.3 -92.4 -92.5 -92.6 -92.7 -92.8 -92.9 -93.0 -93.1 -93.2 -93.3 -93.4 -93.5 -93.6 -93.7 -93.8 -93.9 -94.0 -94.1 -94.2 -94.3 -94.4 -94.5 -94.6 -94.7 -94.8 -94.9 -95.0 -95.1 -95.2 -95.3 -95.4 -95.5 -95.6 -95.7 -95.8 -95.9 -96.0 -96.1 -96.2 -96.3 -96.4 -96.5 -96.6 -96.7 -96.8 -96.9 -97.0 -97.1 -97.2 -97.3 -97.4 -97.5 -97.6 -97.7 -97.8 -97.9 -98.0 -98.1 -98.2 -98.3 -98.4 -98.5 -98.6 -98.7 -98.8 -98.9 -99.0 -99.1 -99.2 -99.3 -99.4 -99.5 -99.6 -99.7 -99.8 -99.9 -100.0 -100.1 -100.2 -100.3 -100.4 -100.5 -100.6 -100.7 -100.8 -100.9 -100.10 -100.11 -100.12 -100.13 -100.14 -100.15 -100.16 -100.17 -100.18 -100.19 -100.20 -100.21 -100.22 -100.23 -100.24 -100.25 -100.26 -100.27 -100.28 -100.29 -100.30 -100.31 -100.32 -100.33 -100.34 -100.35 -100.36 -100.37 -100.38 -100.39 -100.40 -100.41 -100.42 -100.43 -100.44 -100.45 -100.46 -100.47 -100.48 -100.49 -100.50 -100.51 -100.52 -100.53 -100.54 -100.55 -100.56 -100.57 -100.58 -100.59 -100.60 -100.61 -100.62 -100.63 -100.64 -100.65 -100.66 -100.67 -100.68 -100.69 -100.70 -100.71 -100.72 -100.73 -100.74 -100.75 -100.76 -100.77 -100.78 -100.79 -100.80 -100.81 -100.82 -100.83 -100.84 -100.85 -100.86 -100.87 -100.88 -100.89 -100.90 -100.91 -100.92 -100.93 -100.94 -100.95 -100.96 -100.97 -100.98 -100.99 -100.100 -100.101 -100.102 -100.103 -100.104 -100.105 -100.106 -100.107 -100.108 -100.109 -100.110 -100.111 -100.112 -100.113 -100.114 -100.115 -100.116 -100.117 -100.118 -100.119 -100.120 -100.121 -100.122 -100.123 -100.124 -100.125 -100.126 -100.127 -100.128 -100.129 -100.130 -100.131 -100.132 -100.133 -100.134 -100.135 -100.136 -100.137 -100.138 -100.139 -100.140 -100.141 -100.142 -100.143 -100.144 -100.145 -100.146 -100.147 -100.148 -100.149 -100.150 -100.151 -100.152 -100.153 -100.154 -100.155 -100.156 -100.157 -100.158 -100.159 -100.160 -100.161 -100.162 -100.163 -100.164 -100.165 -100.166 -100.167 -100.168 -100.169 -100.170 -100.171 -100.172 -100.173 -100.174 -100.175 -100.176 -100.177 -100.178 -100.179 -100.180 -100.181 -100.182 -100.183 -100.184 -100.185 -100.186 -100.187 -100.188 -100.189 -100.190 -100.191 -100.192 -100.193 -100.194 -100.195 -100.196 -100.197 -100.198 -100.199 -100.200 -100.201 -100.202 -100.203 -100.204 -100.205 -100.206 -100.207 -100.208 -100.209 -100.210 -100.211 -100.212 -100.213 -100.214 -100.215 -100.216 -100.217 -100.218 -100.219 -100.220 -100.221 -100.222 -100.223 -100.224 -100.225 -100.226 -100.227 -100.228 -100.229 -100.230 -100.231 -100.232 -100.233 -100.234 -100.235 -100.236 -100.237 -100.238 -100.239 -100.240 -100.241 -100.242 -100.243 -100.244 -100.245 -100.246 -100.247 -100.248 -100.249 -100.250 -100.251 -100.252 -100.253 -100.254 -100.255 -100.256 -100.257 -100.258 -100.259 -100.260 -100.261 -100.262 -100.263 -100.264 -100.265 -100.266 -100.267 -100.268 -100.269 -100.270 -100.271 -100.272 -100.273 -100.274 -100.275 -100.276 -100.277 -100.278 -100.279 -100.280 -100.281 -100.282 -100.283 -100.284 -100.285 -100.286 -100.287 -100.288 -100.289 -100.290 -100.291 -100.292 -100.293 -100.294 -100.295 -100.296 -100.297 -100.298 -100.299 -100.300 -100.301 -100.302 -100.303 -100.304 -100.305 -100.306 -100.307 -100.308 -100.309 -100.310 -100.311 -100.312 -100.313 -100.314 -100.315 -100.316 -100.317 -1</p>



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 31.35 dBm 10 dB/div Log Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 7.861 kHz Total Power 32.8 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 9.642 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 39.48 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.997 kHz Total Power 36.1 dBm Transmit Freq Error 74 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANH	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 39.53 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 10.008 kHz Total Power 35.8 dBm Transmit Freq Error 80 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 39.59 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.996 kHz Total Power 36.0 dBm Transmit Freq Error 18 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 443.012500 MHz Ref 39.40 dBm 10 dB/div Log Center 443 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.997 kHz Total Power 35.6 dBm Transmit Freq Error 50 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 479.987500 MHz Ref 38.78 dBm 10 dB/div Log Center 480 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.997 kHz Total Power 35.4 dBm Transmit Freq Error 25 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>



Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _L	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 400.012500 MHz Ref 32.31 dBm 10 dB/div Log Center 400 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.998 kHz Total Power 28.5 dBm Transmit Freq Error 91 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANL	FM	CH _{M1}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 405.987500 MHz Ref 32.39 dBm 10 dB/div Log Center 406 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.997 kHz Total Power 28.5 dBm Transmit Freq Error 103 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>
TX-ANL	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq 406.112500 MHz Ref 32.38 dBm 10 dB/div Log Center 406.1 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.989 kHz Total Power 28.9 dBm Transmit Freq Error 38 Hz OBW Power 99.00 % x dB Bandwidth 10.18 kHz x dB -26.00 dB MSG STATUS DC Coupled</p>

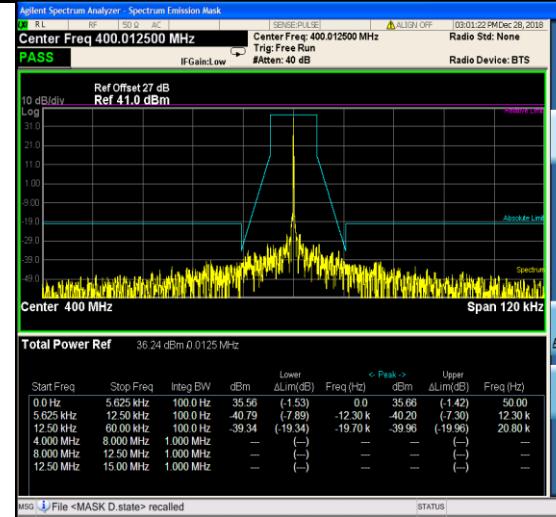
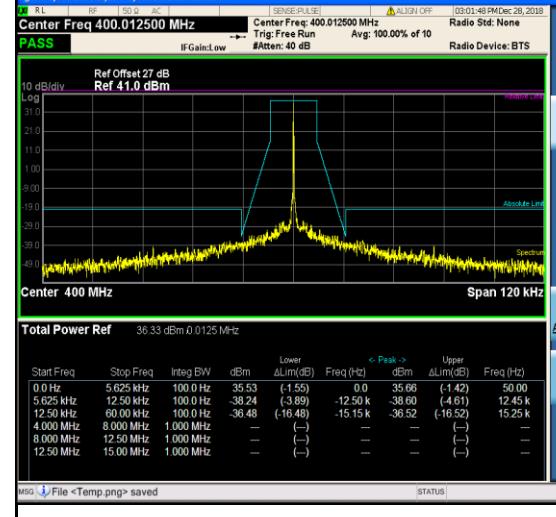
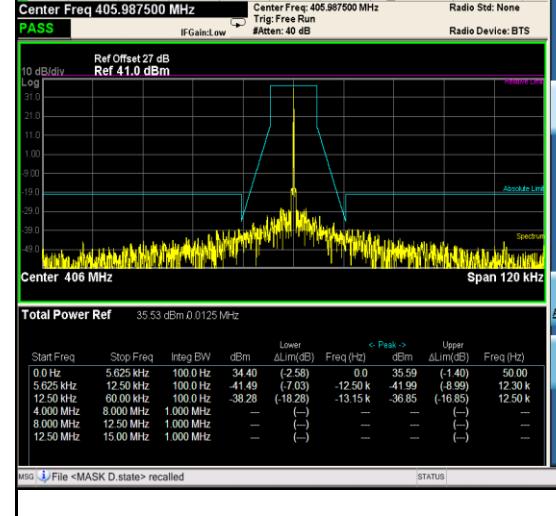


Appendix B: Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 443.012500 MHz</p> <p>Ref 32.33 dBm</p> <p>Occupied Bandwidth 9.997 kHz</p> <p>Total Power 28.9 dBm</p> <p>Transmit Freq Error 74 Hz</p> <p>x dB Bandwidth 10.18 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>
TX-ANL	FM	CH _H	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 479.987500 MHz</p> <p>Ref 30.27 dBm</p> <p>Occupied Bandwidth 10.007 kHz</p> <p>Total Power 26.6 dBm</p> <p>Transmit Freq Error 71 Hz</p> <p>x dB Bandwidth 10.18 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB -26.00 dB</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p>

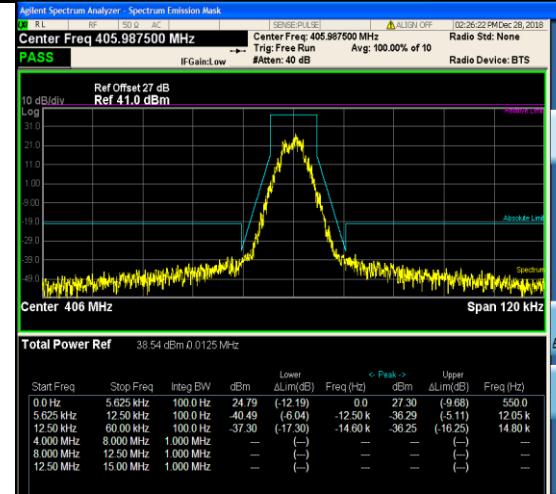
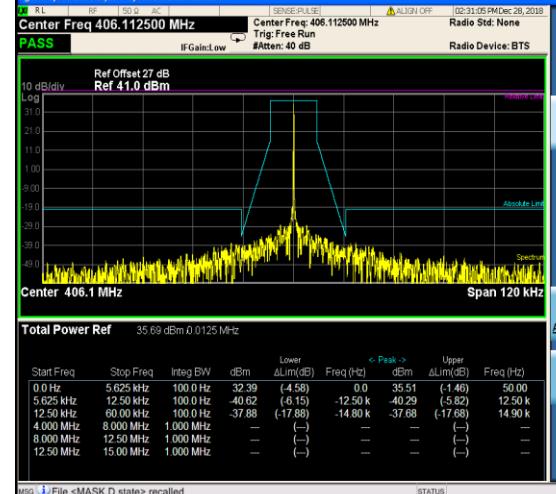
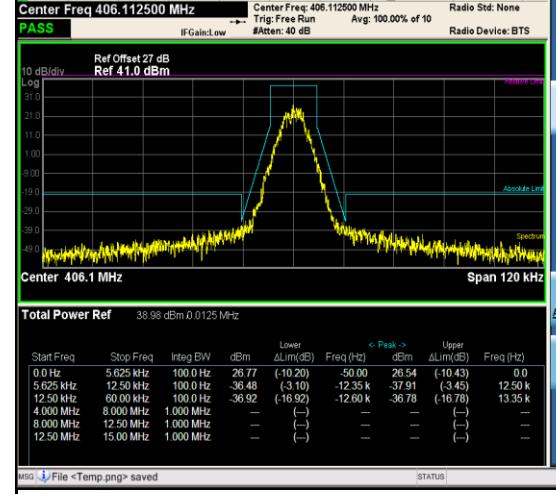


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-DNH	4FSK	CH _L	 Detailed description: This screenshot shows an Agilent Spectrum Analyzer interface. The main window displays a spectrum plot with a yellow reference signal at 400 MHz. A cyan step-like mask is overlaid on the plot, indicating compliance with emission limits. Below the plot is a table of frequency ranges and power levels. To the right of the plot are four blue status boxes labeled: Frequency, Center Freq 400.012500 MHz, CF Step 12,000 kHz Auto, and Freq Offset 0 Hz. <table border="1"><caption>Total Power Ref</caption><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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.56</td><td>(-1.53)</td><td>0.0</td><td>35.66</td><td>(-1.42)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>40.79</td><td>(-7.89)</td><td>-12.50 k</td><td>40.20</td><td>(-7.30)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>39.34</td><td>(-19.34)</td><td>-19.70 k</td><td>39.96</td><td>(-19.96)</td><td>20.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1,000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1,000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1,000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.56	(-1.53)	0.0	35.66	(-1.42)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	40.79	(-7.89)	-12.50 k	40.20	(-7.30)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	39.34	(-19.34)	-19.70 k	39.96	(-19.96)	20.80 k	4.000 MHz	8.000 MHz	1,000 MHz	—	(—)	—	(—)	—	—	8.000 MHz	12.50 MHz	1,000 MHz	—	(—)	—	(—)	—	—	12.50 MHz	15.00 MHz	1,000 MHz	—	(—)	—	(—)	—	—	
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TX-DNH	4FSK	CH _{M1}	 Detailed description: This screenshot shows an Agilent Spectrum Analyzer interface. The main window displays a spectrum plot with a yellow reference signal at 405.9875 MHz. A cyan step-like mask is overlaid on the plot, indicating compliance with emission limits. Below the plot is a table of frequency ranges and power levels. To the right of the plot are four blue status boxes labeled: Frequency, Center Freq 405.987500 MHz, CF Step 12,000 kHz Auto, and Freq Offset 0 Hz. <table border="1"><caption>Total Power Ref</caption><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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.40</td><td>(-2.58)</td><td>0.0</td><td>35.59</td><td>(-1.40)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>41.49</td><td>(-7.03)</td><td>-12.50 k</td><td>41.99</td><td>(-8.99)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>38.28</td><td>(-18.28)</td><td>-13.15 k</td><td>36.85</td><td>(-16.85)</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></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.40	(-2.58)	0.0	35.59	(-1.40)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	41.49	(-7.03)	-12.50 k	41.99	(-8.99)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	38.28	(-18.28)	-13.15 k	36.85	(-16.85)	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	—	(—)	—	(—)	—	—	
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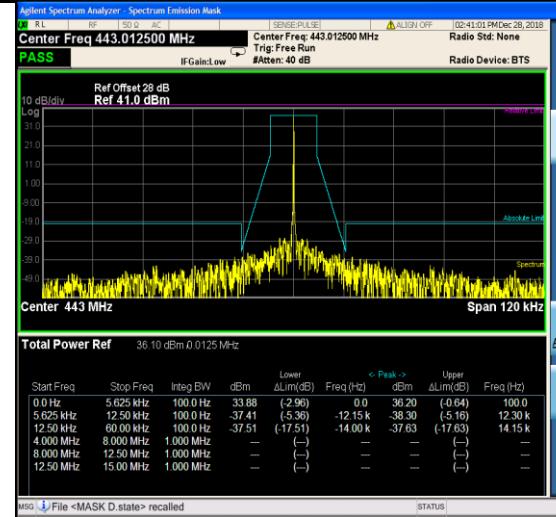
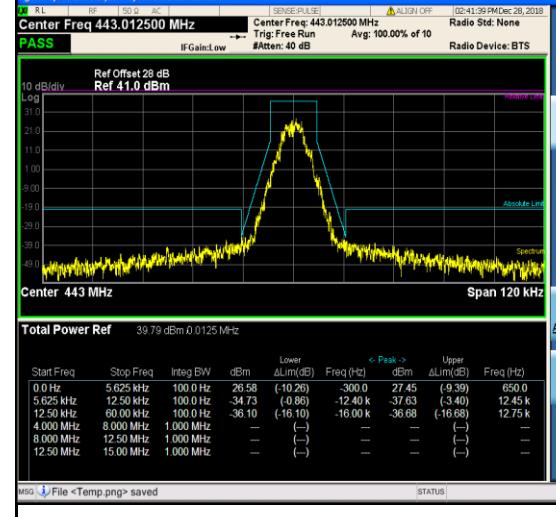
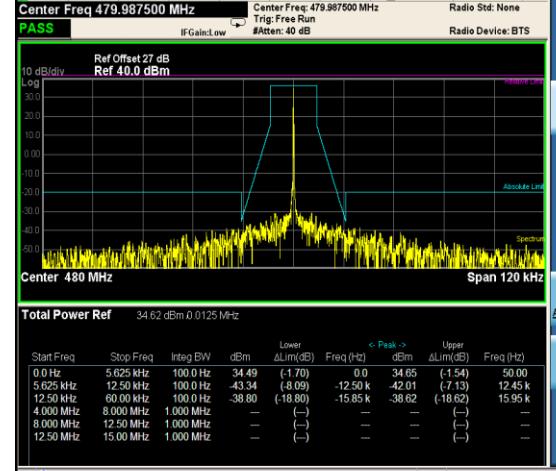


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																			
TX-DNH	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz IF Gain:Low #Atten: 40 dB Ref Offset 27 dB Ref 41.0 dBm Total Power Ref 38.54 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref 38.54 dBm 0.0125 MHz</caption><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 -></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>24.79</td><td>(-12.19)</td><td>0.0</td><td>27.30</td><td>(9.68)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>40.49</td><td>(-6.04)</td><td>-12.50 k</td><td>36.29</td><td>(5.11)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.30</td><td>(-17.30)</td><td>-14.60 k</td><td>36.25</td><td>(-16.25)</td><td>14.80 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr></tbody></table> <p>MSG: File <Temp.png> saved STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	Freq (Hz)	< Peak ->	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	24.79	(-12.19)	0.0	27.30	(9.68)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	40.49	(-6.04)	-12.50 k	36.29	(5.11)	12.05 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.30	(-17.30)	-14.60 k	36.25	(-16.25)	14.80 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	--	(--)	--	(--)	(--)	--	Frequency	Center Freq 405.987500 MHz	CF Step 12,000 kHz Auto	Freq Offset 0 Hz
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TX-DNH	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz IF Gain:Low #Atten: 40 dB Ref Offset 27 dB Ref 41.0 dBm Total Power Ref 35.69 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref 35.69 dBm 0.0125 MHz</caption><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 -></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>32.39</td><td>(4.58)</td><td>0.0</td><td>35.51</td><td>(1.46)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>40.62</td><td>(6.15)</td><td>-12.50 k</td><td>40.29</td><td>(5.82)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.88</td><td>(-17.88)</td><td>-14.80 k</td><td>37.68</td><td>(-17.68)</td><td>14.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1,000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>(--)</td><td>(--)</td><td>--</td></tr></tbody></table> <p>MSG: File <MASK.D.state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	Freq (Hz)	< Peak ->	Upper ΔLIM(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	32.39	(4.58)	0.0	35.51	(1.46)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	40.62	(6.15)	-12.50 k	40.29	(5.82)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.88	(-17.88)	-14.80 k	37.68	(-17.68)	14.90 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	--	(--)	--	(--)	(--)	--	Frequency	Center Freq 406.112500 MHz	CF Step 12,000 kHz Auto	Freq Offset 0 Hz
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLIM(dB)	Freq (Hz)	< Peak ->	Upper ΔLIM(dB)	Freq (Hz)																																																														
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-DNH	4FSK	CH _{M3}	 Detailed description: This screenshot shows an Agilent Spectrum Analyzer interface. The main plot displays a signal spectrum centered at 443 MHz with a span of 120 kHz. A cyan step-like line represents the emission mask. Below the plot is a table of frequency limits: <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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>33.88</td><td>(-2.96)</td><td>0.0</td><td>36.20</td><td>(0.64)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>37.41</td><td>(5.36)</td><td>-12.15 k</td><td>38.30</td><td>(5.16)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>37.51</td><td>(-17.51)</td><td>-14.00 k</td><td>37.63</td><td>(-17.63)</td><td>14.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	33.88	(-2.96)	0.0	36.20	(0.64)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	37.41	(5.36)	-12.15 k	38.30	(5.16)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	37.51	(-17.51)	-14.00 k	37.63	(-17.63)	14.15 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	—	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	(—)	—	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	(—)	—	—	Frequency Center Freq CF Step Freq Offset
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)																																																											
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	(—)	—	—																																																											
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TX-DNH	4FSK	CH _{M3}	 Detailed description: Similar to the first plot, but the 'Total Power Ref' value is 39.79 dBm, indicating a 100% pass. The mask and frequency table remain the same.	Frequency Center Freq CF Step Freq Offset																																																															
TX-DNH	4FSK	CH _H	 Detailed description: This plot shows a signal spectrum centered at 480 MHz. The mask is a cyan step function. Below the plot is a table of frequency limits: <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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.58</td><td>(-10.26)</td><td>300.0</td><td>27.45</td><td>(9.39)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>34.73</td><td>(0.86)</td><td>-12.40 k</td><td>37.63</td><td>(3.40)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>36.10</td><td>(-16.10)</td><td>-16.00 k</td><td>36.68</td><td>(-16.68)</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></tbody></table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.58	(-10.26)	300.0	27.45	(9.39)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	34.73	(0.86)	-12.40 k	37.63	(3.40)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	36.10	(-16.10)	-16.00 k	36.68	(-16.68)	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	—	(—)	—	(—)	—	—	Frequency Center Freq CF Step Freq Offset
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)																																																											
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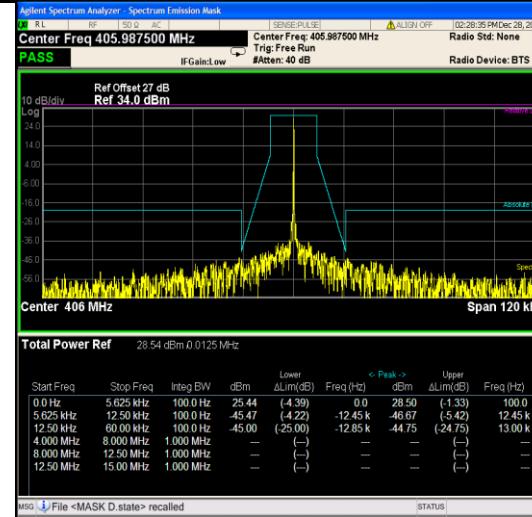
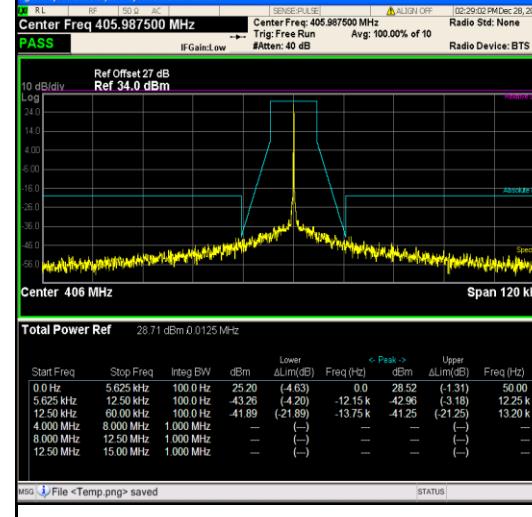
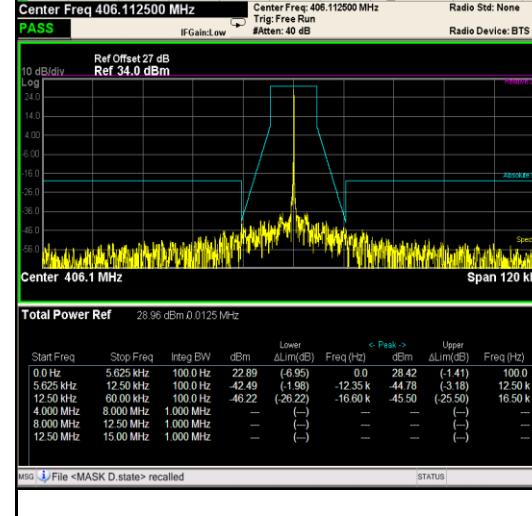


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNH	4FSK	CH _H		<p>Frequency Center Freq 479.987500 MHz CF Step 12,000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _L		<p>Frequency Center Freq 400.012500 MHz CF Step 12,000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _L		<p>Frequency Center Freq 400.012500 MHz CF Step 12,000 kHz Auto Freq Offset 0 Hz</p>

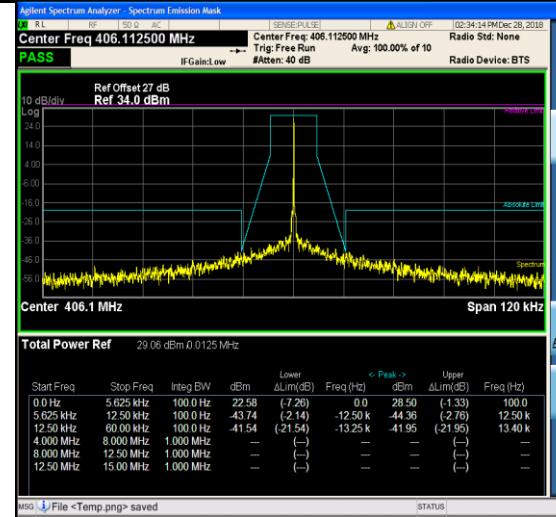
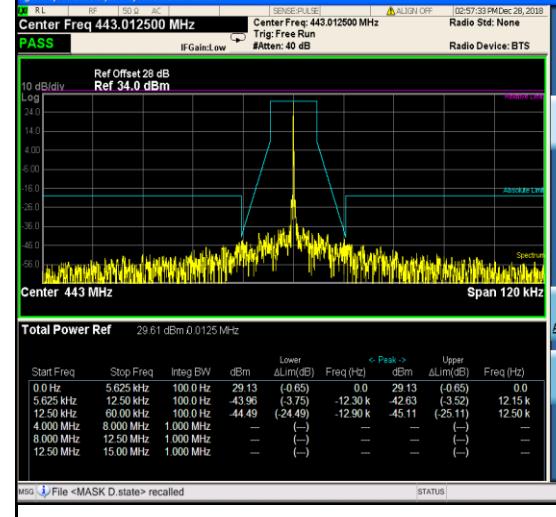
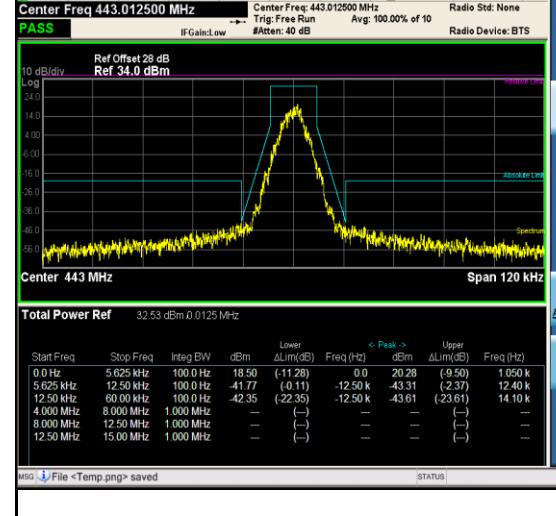


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																			
TX-DNL	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Ref Offset 27 dB Ref 34.0 dBm Total Power Ref 28.54 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref</caption><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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.44</td><td>(-4.39)</td><td>0.0</td><td>28.50</td><td>(-1.33)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>45.47</td><td>(-4.22)</td><td>-12.45 k</td><td>46.67</td><td>(-5.42)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>45.00</td><td>(-25.00)</td><td>-12.85 k</td><td>44.75</td><td>(-24.75)</td><td>13.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> <p>MSG: File <MASK D.state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.44	(-4.39)	0.0	28.50	(-1.33)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	45.47	(-4.22)	-12.45 k	46.67	(-5.42)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	45.00	(-25.00)	-12.85 k	44.75	(-24.75)	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	—	(—)	—	(—)	—	—	Frequency	Center Freq 405.987500 MHz	CF Step 12.000 kHz Auto	Freq Offset 0 Hz
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)																																																														
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TX-DNL	4FSK	CH _{M1}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Ref Offset 27 dB Ref 34.0 dBm Total Power Ref 28.71 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref</caption><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 -></th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>25.20</td><td>(-4.63)</td><td>0.0</td><td>28.52</td><td>(-1.31)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>43.26</td><td>(-4.20)</td><td>-12.15 k</td><td>42.96</td><td>(-3.18)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>41.89</td><td>(-21.89)</td><td>-13.75 k</td><td>41.25</td><td>(-21.25)</td><td>13.20 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></tbody></table> <p>MSG: File <Temp.png> saved STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	25.20	(-4.63)	0.0	28.52	(-1.31)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	43.26	(-4.20)	-12.15 k	42.96	(-3.18)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	41.89	(-21.89)	-13.75 k	41.25	(-21.25)	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	—	(—)	—	(—)	—	—	Frequency	Center Freq 405.987500 MHz	CF Step 12.000 kHz Auto	Freq Offset 0 Hz
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)																																																														
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TX-DNL	4FSK	CH _{M2}	 <p>Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 406.112500 MHz Ref Offset 27 dB Ref 34.0 dBm Total Power Ref 28.96 dBm 0.0125 MHz</p> <table border="1"><caption>Total Power Ref</caption><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 -></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>22.89</td><td>(-6.95)</td><td>0.0</td><td>28.42</td><td>(-1.41)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>42.49</td><td>(-1.98)</td><td>-12.35 k</td><td>44.78</td><td>(-3.18)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>46.22</td><td>(-26.22)</td><td>-16.60 k</td><td>45.50</td><td>(-25.50)</td><td>16.50 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> <p>MSG: File <MASK D.state> recalled STATUS:</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak ->	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	22.89	(-6.95)	0.0	28.42	(-1.41)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	42.49	(-1.98)	-12.35 k	44.78	(-3.18)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	46.22	(-26.22)	-16.60 k	45.50	(-25.50)	16.50 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	—	(—)	—	(—)	—	—	Frequency	Center Freq 406.112500 MHz	CF Step 12.000 kHz Auto	Freq Offset 0 Hz
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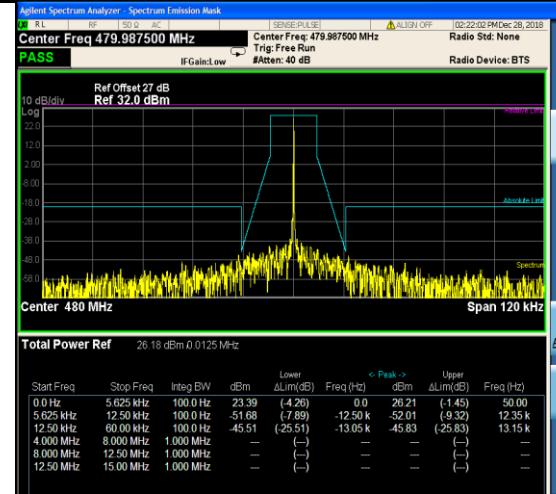
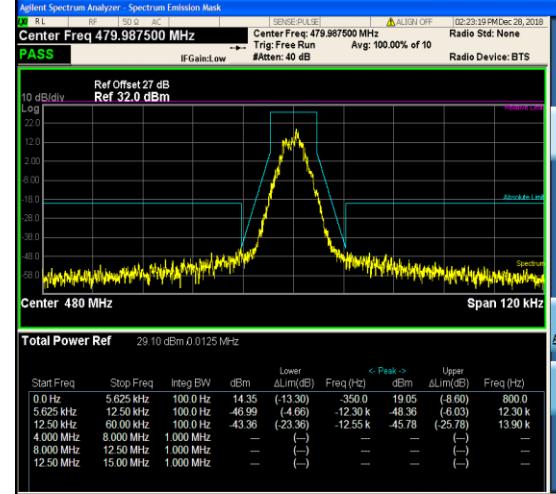
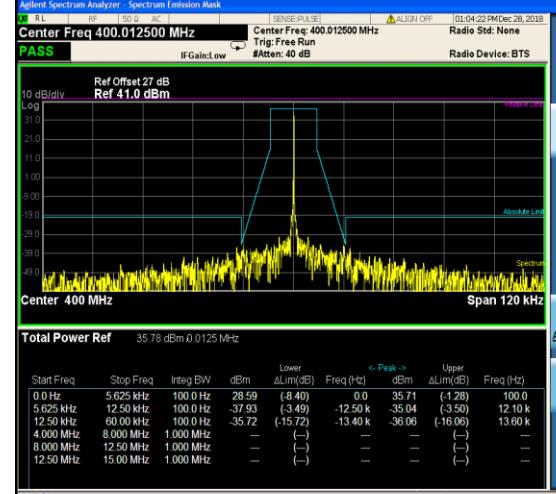


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNL	4FSK	CH _{M2}		<p>Frequency Center Freq 406.112500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _{M3}		<p>Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>
TX-DNL	4FSK	CH _{M3}		<p>Frequency Center Freq 443.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz</p>



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-DNL	4FSK	CH _H		Frequency Center Freq 479.987500 MHz CF Step 12,000 kHz Man Freq Offset 0 Hz
TX-DNL	4FSK	CH _H		Frequency Center Freq 479.987500 MHz CF Step 12,000 kHz Man Freq Offset 0 Hz
TX-ANH	FM	CH _L		Frequency Center Freq 400.012500 MHz CF Step 12,000 kHz Man Freq Offset 0 Hz