

Project No.	SHT2508094502W		
Test sample No.	YPHT25080945006	Model No.	BDR-1550
Start date.	2025/9/11	Finish date.	2025/9/22
Temperature	25.3℃	Humidity	49%
Test Engineer	Xiangyu Wei	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	9/12	PASS
B	Occupied Bandwidth	9/17	PASS
C	Emission Mask	9/22	PASS
D	Modulation Limit	9/17	PASS
E	Audio Frequency Response	9/17	PASS
F	Frequency Stability Test & Temperature	9/17	PASS
G	Frequency Stability Test & Voltage	9/17	PASS
H	Transmitter Frequency Behavior	9/18	PASS
I	Spurious Emission On Antenna Port	9/22	PASS

Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power (dBm)	Measured Power(W)	Rated Power(W)	Percentage (%)	Limit (%)	Result
TX-NXDNH	4FSK	CH _L	46.70	46.77	50.00	-6.46	±20	PASS
TX-NXDNH	4FSK	CH _M	46.60	45.71	50.00	-8.58	±20	PASS
TX-NXDNH	4FSK	CH _H	46.70	46.77	50.00	-6.46	±20	PASS
TX-NXDNL	4FSK	CH _L	44.40	27.54	25.00	10.16	±20	PASS
TX-NXDNL	4FSK	CH _M	44.30	26.92	25.00	7.68	±20	PASS
TX-NXDNL	4FSK	CH _H	44.40	27.54	25.00	10.16	±20	PASS
TX-DNH	4FSK	CH _L	46.44	44.06	50.00	-11.88	±20	PASS
TX-DNH	4FSK	CH _M	46.35	43.15	50.00	-13.70	±20	PASS
TX-DNH	4FSK	CH _H	46.47	44.36	50.00	-11.28	±20	PASS
TX-DNL	4FSK	CH _L	44.15	26.00	25.00	4.00	±20	PASS
TX-DNL	4FSK	CH _M	44.10	25.70	25.00	2.80	±20	PASS
TX-DNL	4FSK	CH _H	44.21	26.36	25.00	5.44	±20	PASS
TX-ANH	FM	CH _L	46.74	47.21	50.00	-5.58	±20	PASS
TX-ANH	FM	CH _M	46.65	46.24	50.00	-7.52	±20	PASS
TX-ANH	FM	CH _H	46.67	46.45	50.00	-7.10	±20	PASS
TX-ANL	FM	CH _L	44.32	27.04	25.00	8.16	±20	PASS
TX-ANL	FM	CH _M	44.24	26.55	25.00	6.20	±20	PASS
TX-ANL	FM	CH _H	44.21	26.36	25.00	5.44	±20	PASS

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-NXDNH	4FSK	CH _L	3.343	4.390	≤6.00	PASS
TX-NXDNH	4FSK	CH _M	3.365	4.492	≤6.00	PASS
TX-NXDNH	4FSK	CH _H	3.366	4.481	≤6.00	PASS
TX-NXDNL	4FSK	CH _L	3.314	4.433	≤6.00	PASS
TX-NXDNL	4FSK	CH _M	3.357	4.498	≤6.00	PASS
TX-NXDNL	4FSK	CH _H	3.348	4.464	≤6.00	PASS
TX-DNH	4FSK	CH _L	7.227	9.316	≤11.25	PASS
TX-DNH	4FSK	CH _M	7.258	9.343	≤11.25	PASS
TX-DNH	4FSK	CH _H	7.282	9.327	≤11.25	PASS
TX-DNL	4FSK	CH _L	7.205	9.335	≤11.25	PASS
TX-DNL	4FSK	CH _M	7.251	9.337	≤11.25	PASS
TX-DNL	4FSK	CH _H	7.289	9.352	≤11.25	PASS
TX-ANH	FM	CH _L	9.958	10.150	≤11.25	PASS
TX-ANH	FM	CH _M	9.965	10.160	≤11.25	PASS
TX-ANH	FM	CH _H	9.968	10.160	≤11.25	PASS
TX-ANL	FM	CH _L	9.963	10.160	≤11.25	PASS
TX-ANL	FM	CH _M	9.966	10.160	≤11.25	PASS
TX-ANL	FM	CH _H	9.968	10.160	≤11.25	PASS

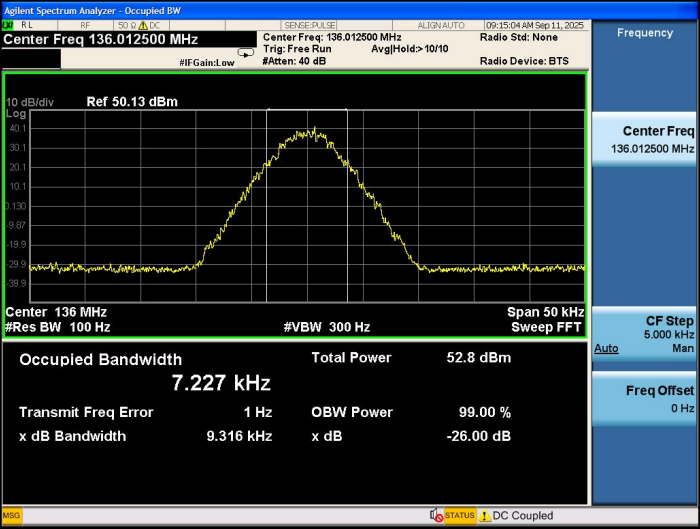
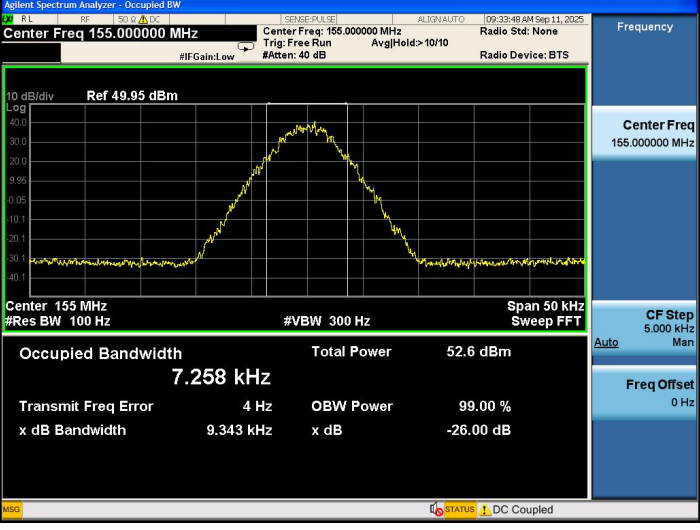
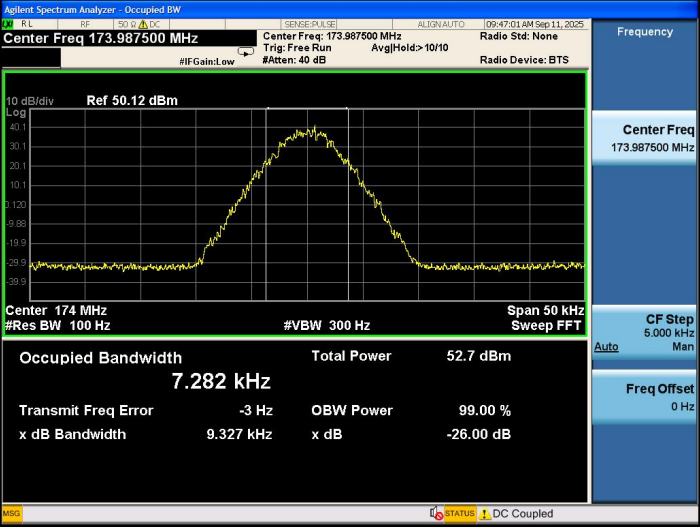
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNH	4FSK	CHL	Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Ref 50.09 dBm Center 136 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.343 kHz Total Power 52.7 dBm Transmit Freq Error -3 Hz OBW Power 99.00 % x dB Bandwidth 4.390 kHz x dB -26.00 dB Frequency Center Freq 136.012500 MHz CF Step 5.000 kHz Freq Offset 0 Hz Auto Man STATUS DC Coupled
TX-NXDNH	4FSK	CHM	Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Ref 50.03 dBm Center 155 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.365 kHz Total Power 52.6 dBm Transmit Freq Error 4 Hz OBW Power 99.00 % x dB Bandwidth 4.492 kHz x dB -26.00 dB Frequency Center Freq 155.000000 MHz CF Step 5.000 kHz Freq Offset 0 Hz Auto Man STATUS DC Coupled
TX-NXDNH	4FSK	CHH	Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Ref 50.05 dBm Center 174 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 3.366 kHz Total Power 52.6 dBm Transmit Freq Error -5 Hz OBW Power 99.00 % x dB Bandwidth 4.481 kHz x dB -26.00 dB Frequency Center Freq 173.987500 MHz CF Step 5.000 kHz Freq Offset 0 Hz Auto Man STATUS DC Coupled

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNL	4FSK	CHL	Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Ref 47.80 dBm Occupied Bandwidth 3.314 kHz Total Power 50.5 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 4.433 kHz x dB -26.00 dB
TX-NXDNL	4FSK	CHM	Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Ref 47.76 dBm Occupied Bandwidth 3.357 kHz Total Power 50.4 dBm Transmit Freq Error -2 Hz OBW Power 99.00 % x dB Bandwidth 4.498 kHz x dB -26.00 dB
TX-NXDNL	4FSK	CHH	Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Ref 47.66 dBm Occupied Bandwidth 3.348 kHz Total Power 50.3 dBm Transmit Freq Error -15 Hz OBW Power 99.00 % x dB Bandwidth 4.464 kHz x dB -26.00 dB

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _L	 Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Ref 50.13 dBm Occupied Bandwidth 7.227 kHz Total Power 52.8 dBm Transmit Freq Error 1 Hz OBW Power 99.00 % x dB Bandwidth 9.316 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _M	 Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Ref 49.95 dBm Occupied Bandwidth 7.258 kHz Total Power 52.6 dBm Transmit Freq Error 4 Hz OBW Power 99.00 % x dB Bandwidth 9.343 kHz x dB -26.00 dB
TX-DNH	4FSK	CH _H	 Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Ref 50.12 dBm Occupied Bandwidth 7.282 kHz Total Power 52.7 dBm Transmit Freq Error -3 Hz OBW Power 99.00 % x dB Bandwidth 9.327 kHz x dB -26.00 dB

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Ref 47.83 dBm Occupied Bandwidth 7.205 kHz Total Power 50.5 dBm Transmit Freq Error 31 Hz x dB Bandwidth 9.335 kHz OBW Power 99.00 %
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Ref 47.52 dBm Occupied Bandwidth 7.251 kHz Total Power 50.4 dBm Transmit Freq Error 6 Hz x dB Bandwidth 9.337 kHz OBW Power 99.00 %
TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Ref 47.66 dBm Occupied Bandwidth 7.289 kHz Total Power 50.3 dBm Transmit Freq Error -3 Hz x dB Bandwidth 9.352 kHz OBW Power 99.00 %

Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Occupied BW Center Freq 136.012500 MHz Ref 49.93 dBm Center 136 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.958 kHz Total Power 46.1 dBm Transmit Freq Error -15 Hz OBW Power 99.00 % x dB Bandwidth 10.15 kHz x dB -26.00 dB Frequency Center Freq 136.012500 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Ref 49.90 dBm Center 155 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.965 kHz Total Power 45.9 dBm Transmit Freq Error 4 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 155.000000 MHz CF Step 5.000 kHz Freq Offset 0 Hz
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Ref 49.98 dBm Center 174 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.968 kHz Total Power 46.0 dBm Transmit Freq Error 5 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 173.987500 MHz CF Step 5.000 kHz Freq Offset 0 Hz

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 136.012500 MHz Center Freq: 136.012500 MHz Trig: Free Run #Atten: 38 dB Radio Std: None Radio Device: BTS Ref 47.56 dBm Center 136 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.963 kHz Total Power 43.7 dBm Transmit Freq Error -4 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 136.012500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Occupied BW Center Freq 155.000000 MHz Center Freq: 155.000000 MHz Trig: Free Run #Atten: 38 dB Radio Std: None Radio Device: BTS Ref 47.58 dBm Center 155 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.966 kHz Total Power 43.7 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 155.000000 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Occupied BW Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Trig: Free Run #Atten: 38 dB Radio Std: None Radio Device: BTS Ref 47.85 dBm Center 174 MHz #Res BW 100 Hz #VBW 300 Hz Span 50 kHz Sweep FFT Occupied Bandwidth 9.968 kHz Total Power 43.9 dBm Transmit Freq Error 7 Hz OBW Power 99.00 % x dB Bandwidth 10.16 kHz x dB -26.00 dB Frequency Center Freq 173.987500 MHz CF Step 5.000 kHz Man Freq Offset 0 Hz Auto STATUS DC Coupled

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNH	4FSK	CH _L	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 136.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:19:54
TX-NXDNH	4FSK	CH _L	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 136.0125 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:20:33
TX-NXDNH	4FSK	CH _M	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 155.0 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:18:20

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNH	4FSK	CH _M	
TX-NXDNH	4FSK	CH _H	
TX-NXDNH	4FSK	CH _H	

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNL	4FSK	CH _L	
TX-NXDNL	4FSK	CH _L	
TX-NXDNL	4FSK	CH _M	

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-NXDNL	4FSK	CH _M	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 155.0 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:14:00
TX-NXDNL	4FSK	CH _H	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 173.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:15:00
TX-NXDNL	4FSK	CH _H	MultiView Spectrum Ref Level 50.00 dBm Offset 20.50 dB RBW 100 Hz Att 39 dB SWT 41.9 ms (~55 ms) VBW 300 Hz Mode Auto FFT 1 Frequency Sweep Limit Check Line MASK_E PASS PASS CF 173.9875 MHz 1001 pts 5.0 kHz/ Span 50.0 kHz Date: 22 SEP 2025 16:15:36