Project No.	SHT2112110001EW		
Test sample No.	YPHT21121100022	Model No.	EM8100 U1
Start test date	2022/1/19	Finish date	2022/1/19
Temperature	22.8℃	Humidity	44%
Test Engineer	Caspar Chen	Auditor	Xiaodong Zhao

Appendix clause	Test Item	Test date (M/D)	Test Result (PASS/FAIL)
A	Maximum Transmitter Power	1/19	PASS
B	Occupied Bandwidth	1/19	PASS
C	Emission Mask	1/19	PASS
D	Modulation Limit	1/19	PASS
E	Audio Frequency Response	1/19	PASS
F	Frequency Stability Test & Temperature	1/19	PASS
G	Frequency Stability Test & Voltage	1/19	PASS
H	Transmitter Frequency Behavior	1/19	PASS
I	Spurious Emission On Antenna Port	1/19	PASS

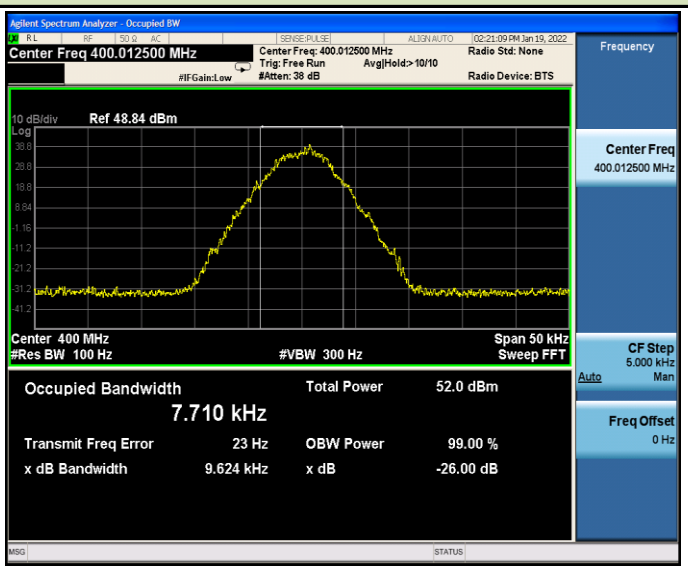
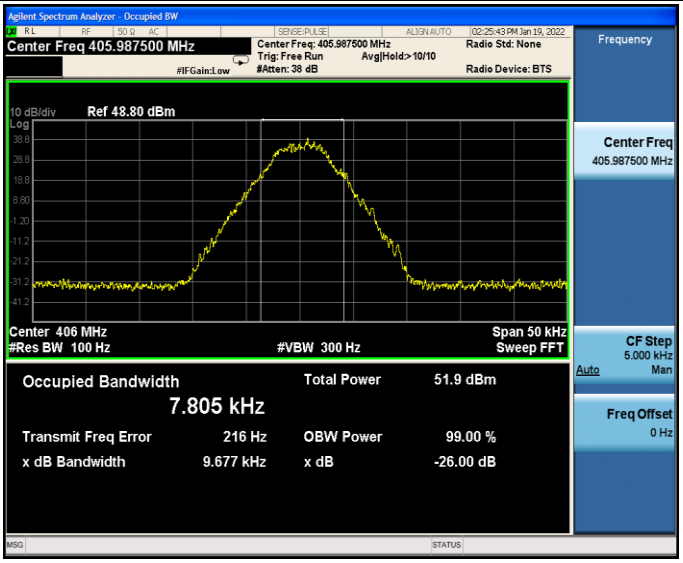
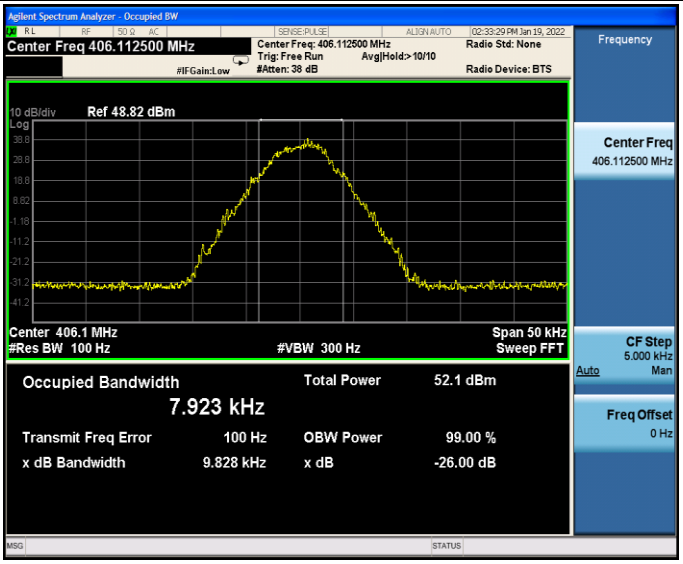
Appendix A:Maximum Transmitter Power

Operation Mode	Modulation Type	Test Channel	Measured Power(dBm)	Measured Power(W)	Rated Power(W)	Percentage(%)	Limit (%)	Result
TX-DNH	4FSK	CH_L	46.4	43.62	45.00	-3.1	±20	PASS
TX-DNH	4FSK	CH_{M1}	46.4	43.59	45.00	-3.1	±20	PASS
TX-DNH	4FSK	CH_{M2}	46.5	44.16	45.00	-1.9	±20	PASS
TX-DNH	4FSK	CH_{M3}	46.7	46.62	45.00	3.6	±20	PASS
TX-DNH	4FSK	CH_H	46.6	45.84	45.00	1.9	±20	PASS
TX-DNL	4FSK	CH_L	37.0	5.04	5.00	0.8	±20	PASS
TX-DNL	4FSK	CH_{M1}	37.1	5.12	5.00	2.4	±20	PASS
TX-DNL	4FSK	CH_{M2}	37.1	5.14	5.00	2.8	±20	PASS
TX-DNL	4FSK	CH_{M3}	37.3	5.32	5.00	6.4	±20	PASS
TX-DNL	4FSK	CH_H	37.2	5.25	5.00	5.0	±20	PASS
TX-ANH	FM	CH_L	46.4	44.06	45.00	-2.1	±20	PASS
TX-ANH	FM	CH_{M1}	46.5	44.56	45.00	-1.0	±20	PASS
TX-ANH	FM	CH_{M2}	46.5	44.90	45.00	-0.2	±20	PASS
TX-ANH	FM	CH_{M3}	46.7	47.30	45.00	5.1	±20	PASS
TX-ANH	FM	CH_H	46.7	46.96	45.00	4.4	±20	PASS
TX-ANL	FM	CH_L	37.1	5.09	5.00	1.8	±20	PASS
TX-ANL	FM	CH_{M1}	37.2	5.21	5.00	4.2	±20	PASS
TX-ANL	FM	CH_{M2}	37.2	5.26	5.00	5.2	±20	PASS
TX-ANL	FM	CH_{M3}	37.4	5.49	5.00	9.8	±20	PASS
TX-ANL	FM	CH_H	37.1	5.13	5.00	2.6	±20	PASS

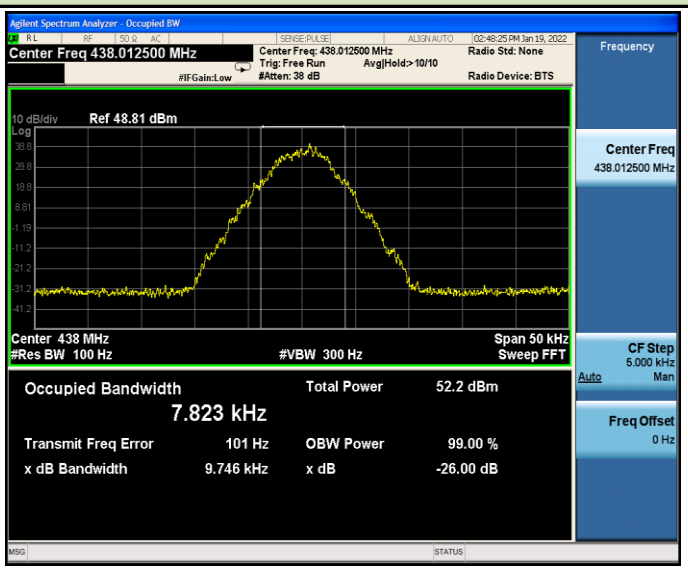
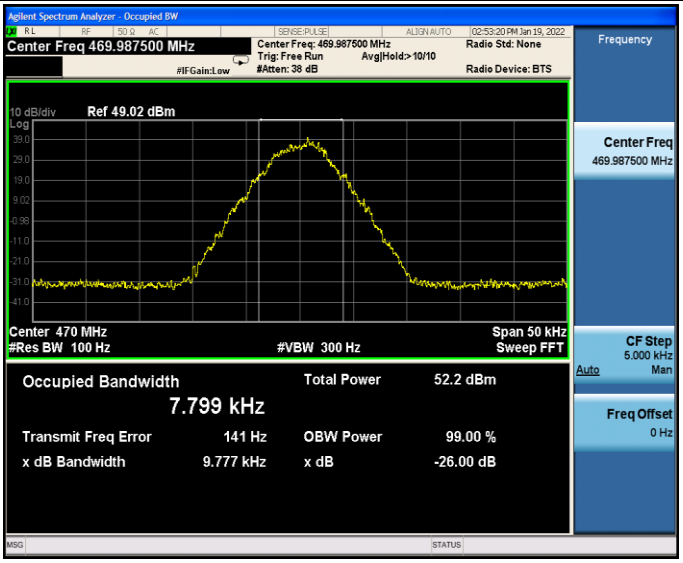
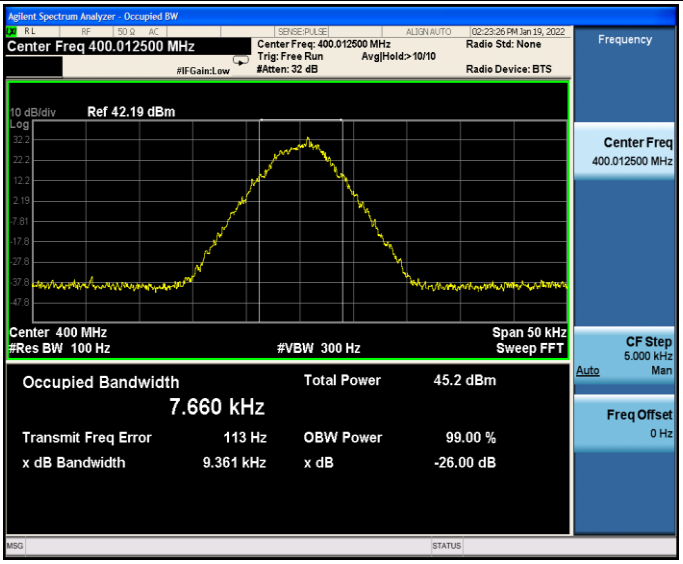
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	Occupied Bandwidth		99% Limit(kHz)	Result
			99%(kHz)	26dB(kHz)		
TX-DNH	4FSK	CH_L	7.710	9.624	≤11.25	PASS
TX-DNH	4FSK	CH_{M1}	7.805	9.677	≤11.25	PASS
TX-DNH	4FSK	CH_{M2}	7.923	9.828	≤11.25	PASS
TX-DNH	4FSK	CH_{M3}	7.823	9.746	≤11.25	PASS
TX-DNH	4FSK	CH_H	7.799	9.777	≤11.25	PASS
TX-DNL	4FSK	CH_L	7.660	9.361	≤11.25	PASS
TX-DNL	4FSK	CH_{M1}	7.803	9.684	≤11.25	PASS
TX-DNL	4FSK	CH_{M2}	7.706	9.458	≤11.25	PASS
TX-DNL	4FSK	CH_{M3}	7.912	9.780	≤11.25	PASS
TX-DNL	4FSK	CH_H	7.855	9.588	≤11.25	PASS
TX-ANH	FM	CH_L	9.989	10.170	≤11.25	PASS
TX-ANH	FM	CH_{M1}	9.990	10.170	≤11.25	PASS
TX-ANH	FM	CH_{M2}	9.990	10.170	≤11.25	PASS
TX-ANH	FM	CH_{M3}	9.992	10.170	≤11.25	PASS
TX-ANH	FM	CH_H	9.994	10.170	≤11.25	PASS
TX-ANL	FM	CH_L	9.989	10.170	≤11.25	PASS
TX-ANL	FM	CH_{M1}	9.990	10.170	≤11.25	PASS
TX-ANL	FM	CH_{M2}	9.990	10.170	≤11.25	PASS
TX-ANL	FM	CH_{M3}	9.991	10.170	≤11.25	PASS
TX-ANL	FM	CH_H	9.994	10.170	≤11.25	PASS

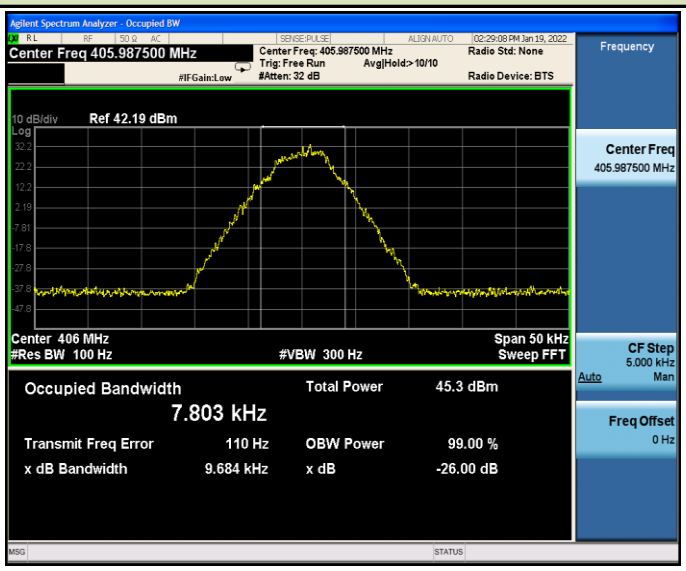
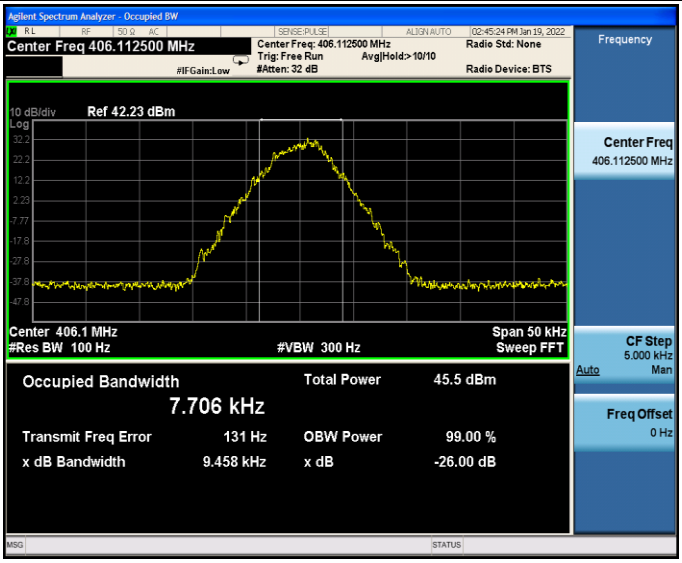
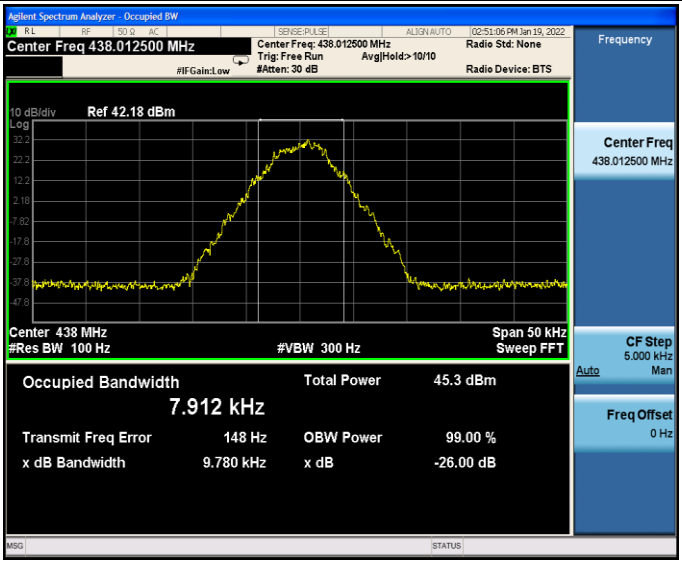
Appendix B:Occupied Bandwidth

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

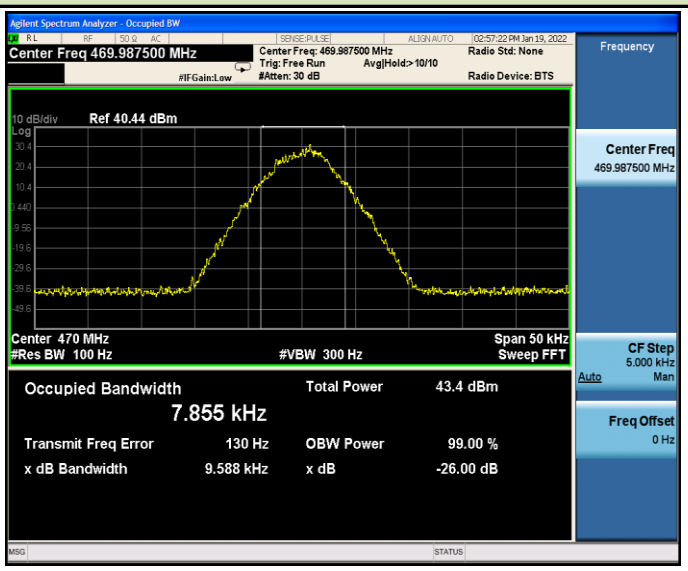
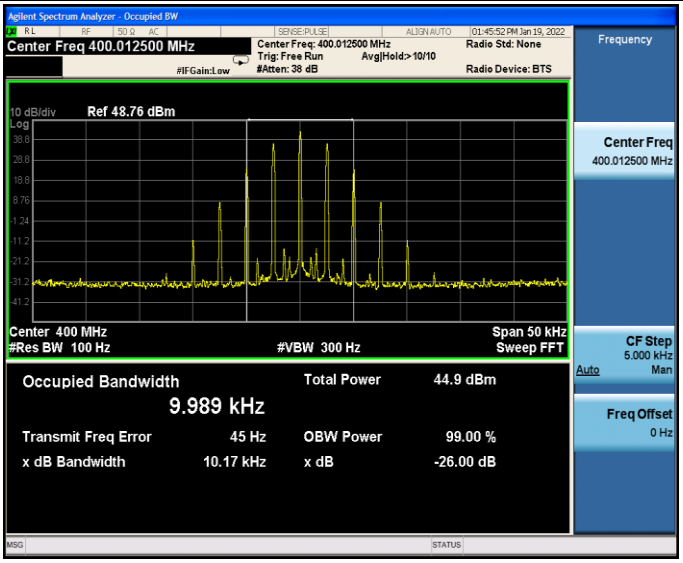
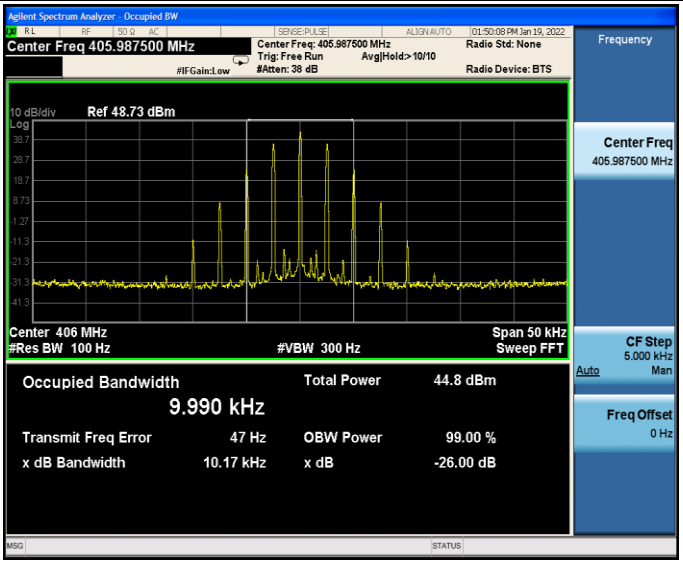
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{M3}	
TX-DNH	4FSK	CH_{H}	
TX-DNL	4FSK	CH_{L}	

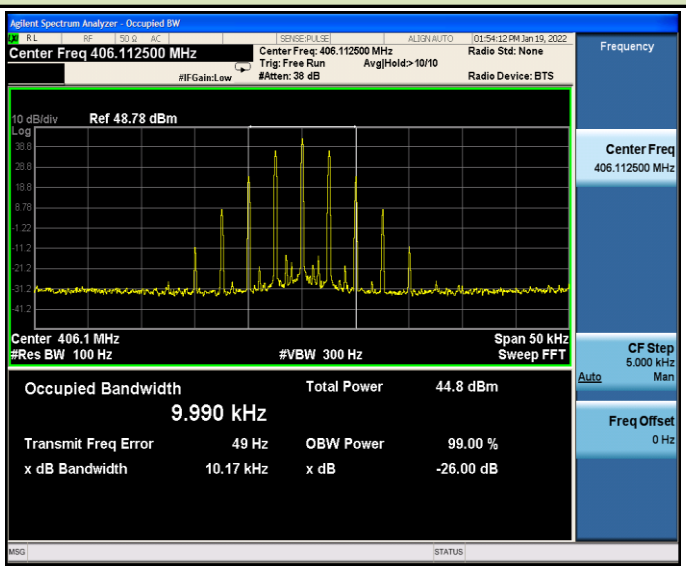
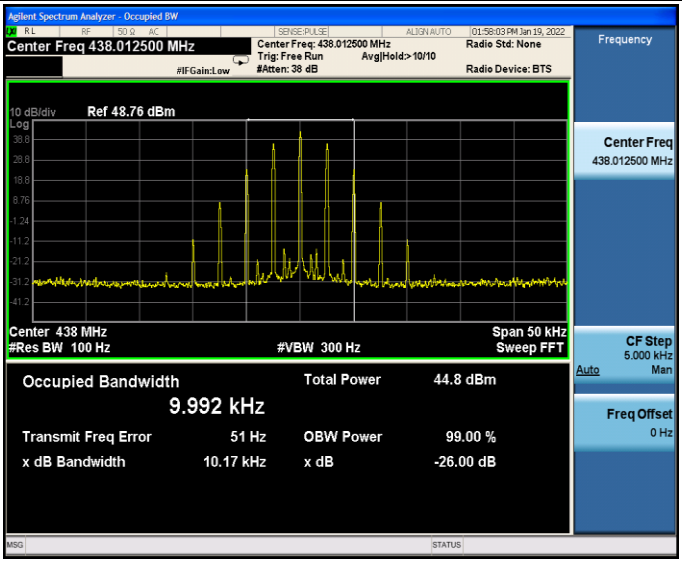
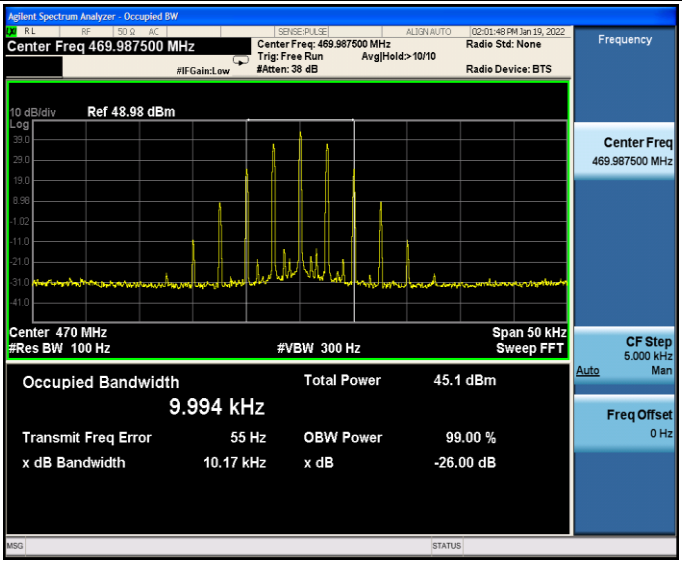
Appendix B:Occupied Bandwidth

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

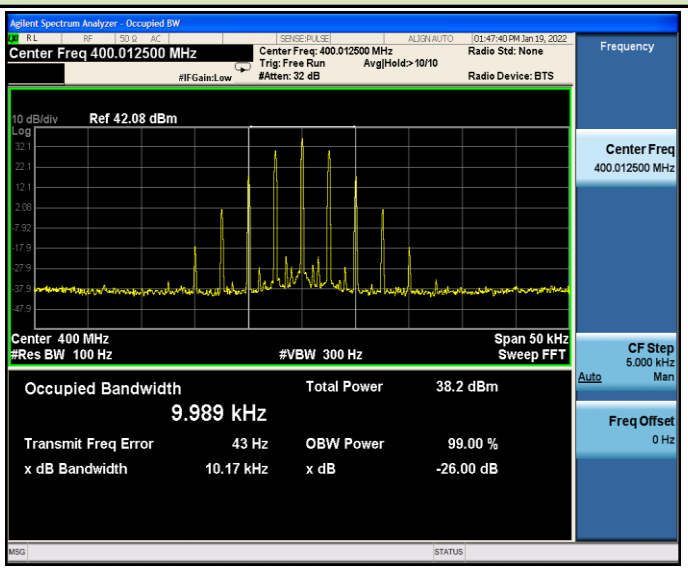
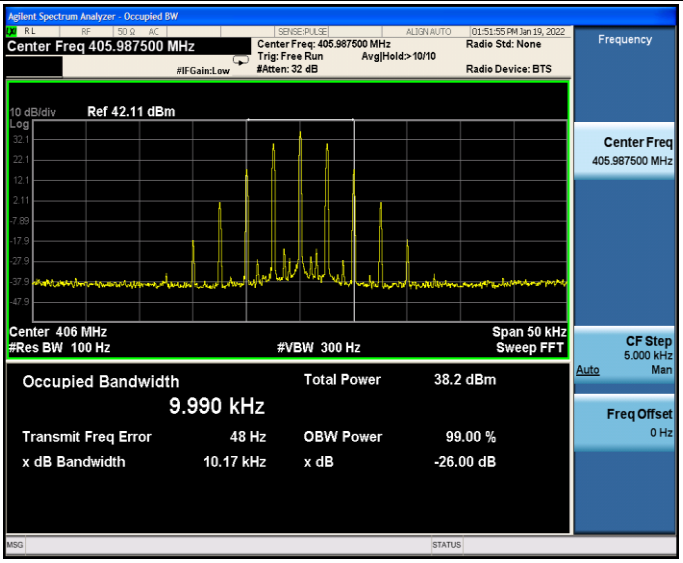
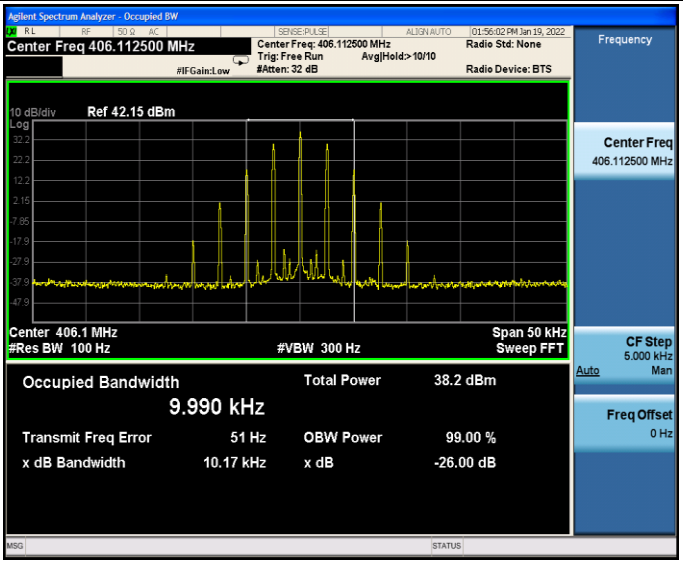
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH_H	
TX-ANH	FM	CH_L	
TX-ANH	FM	CH_{M1}	

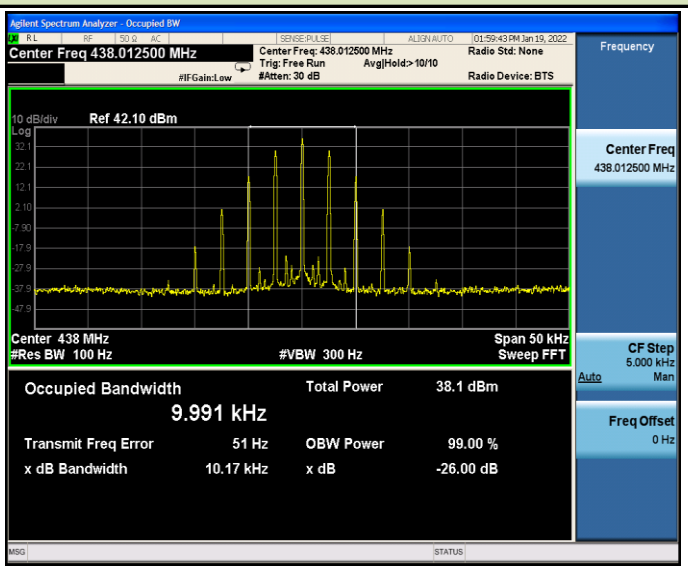
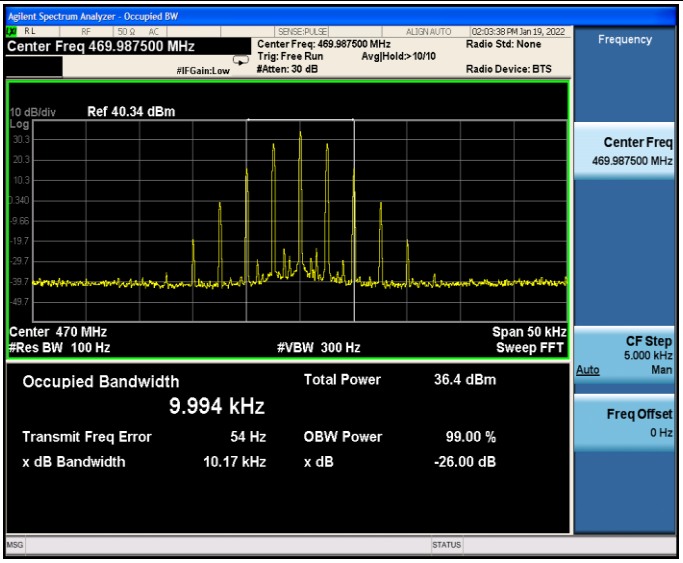
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH_{M2}	
TX-ANH	FM	CH_{M3}	
TX-ANH	FM	CH_{H}	

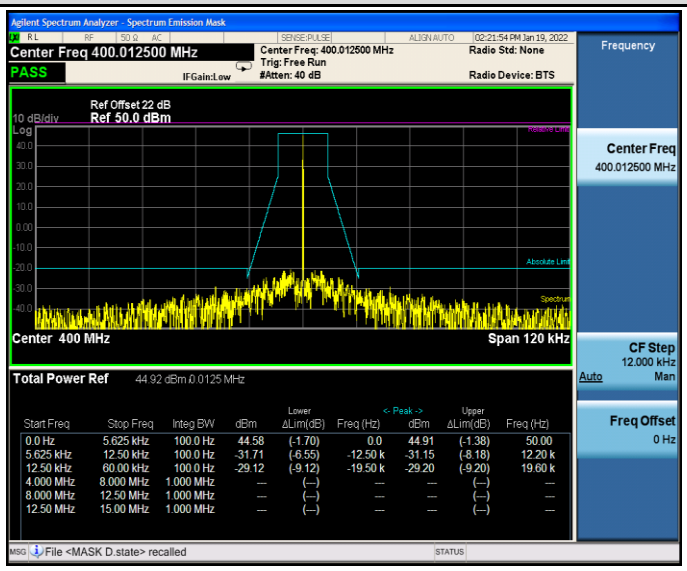
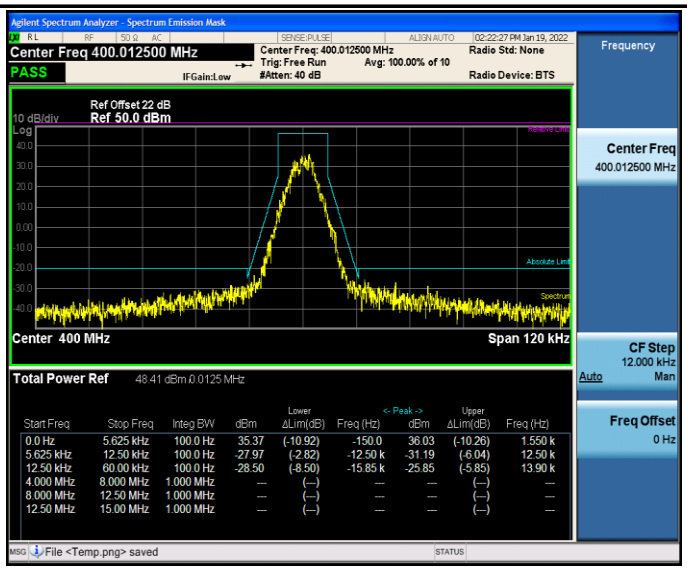
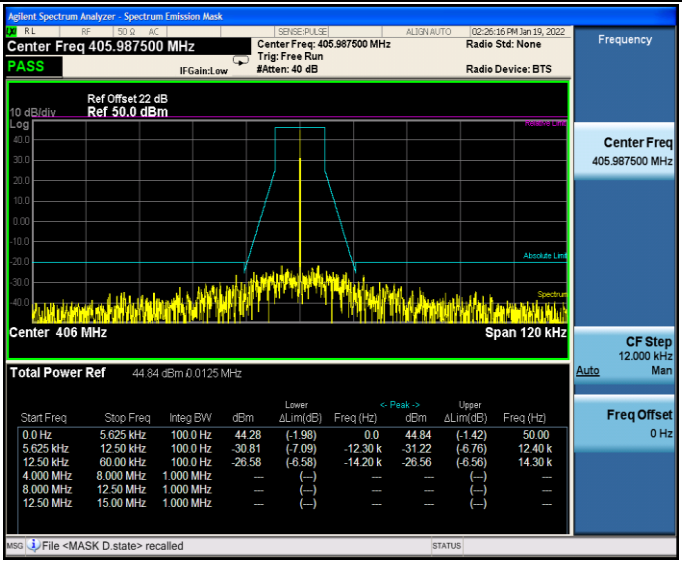
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH_L	
TX-ANL	FM	CH_{M1}	
TX-ANL	FM	CH_{M2}	

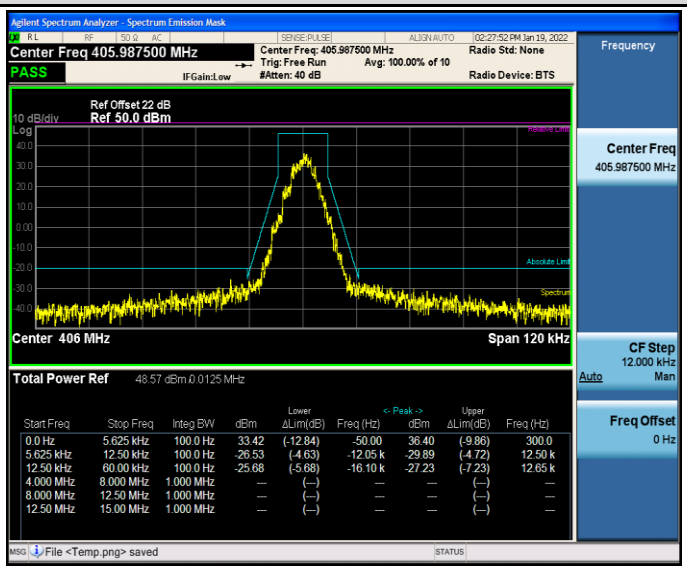
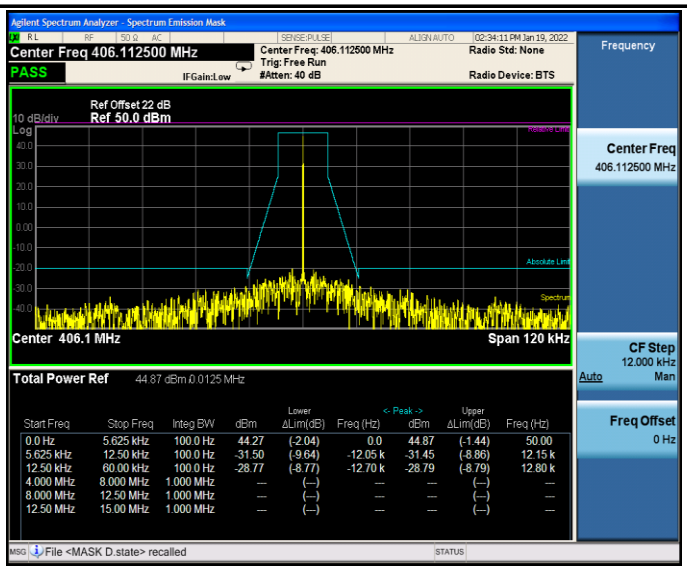
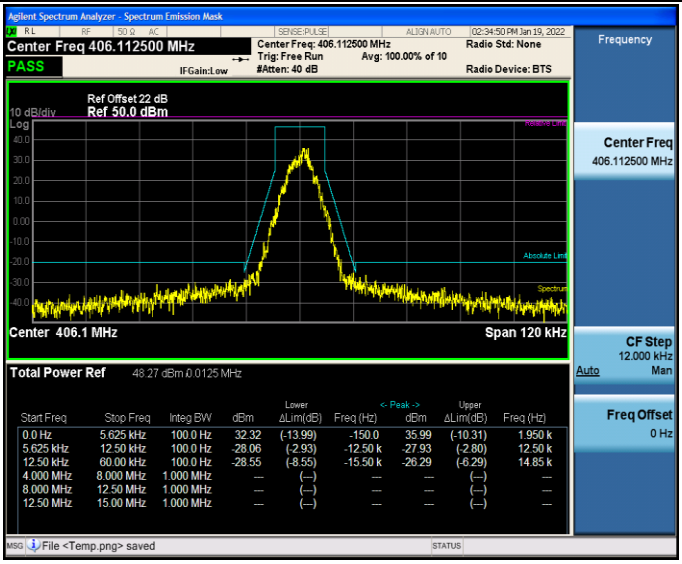
Appendix B:Occupied Bandwidth

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH_{M3}	
TX-ANL	FM	CH_{H}	

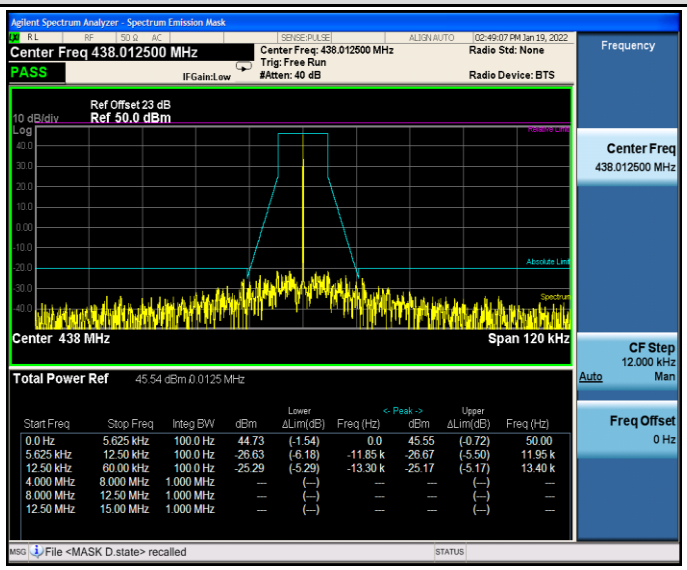
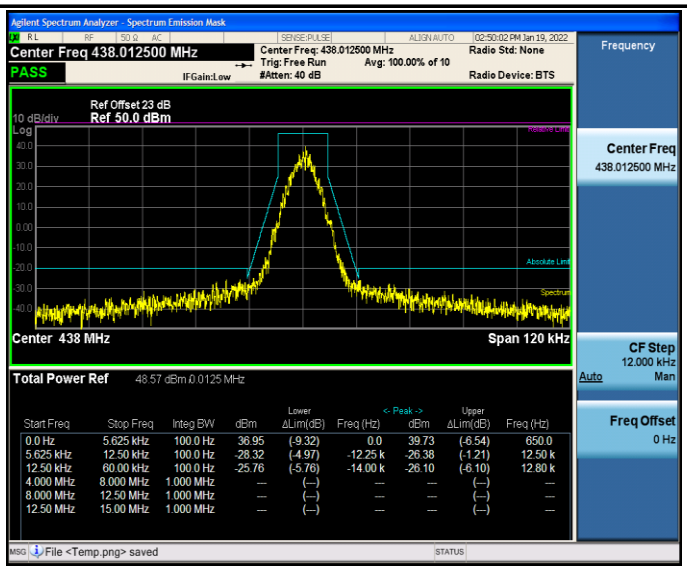
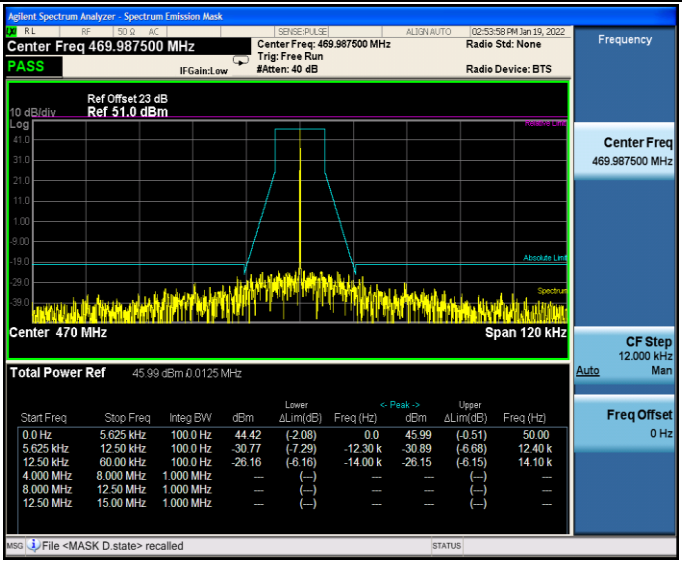
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_L	
TX-DNH	4FSK	CH_L	
TX-DNH	4FSK	CH_{M1}	

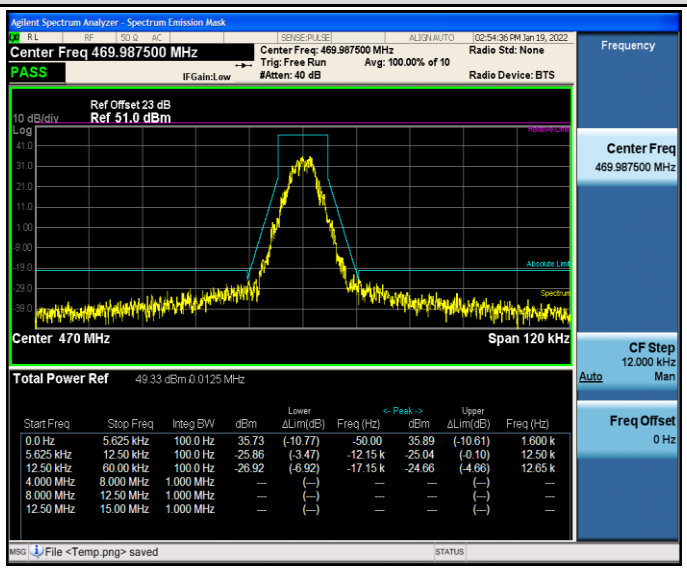
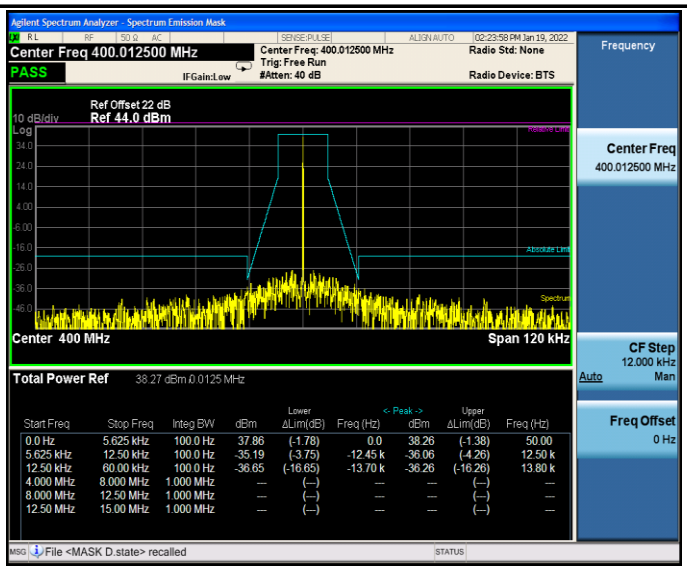
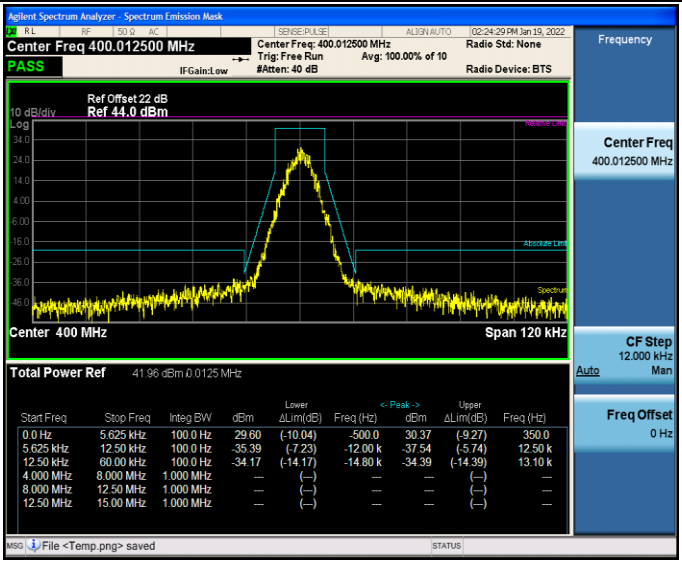
Appendix C:Emission Mask

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

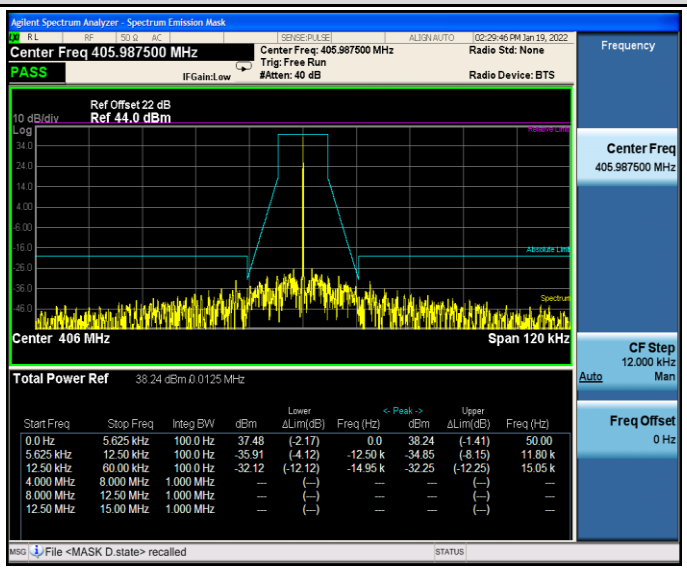
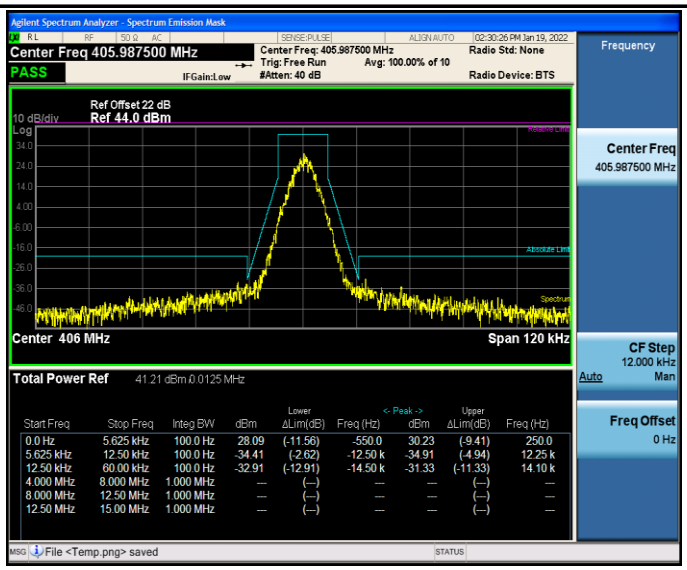
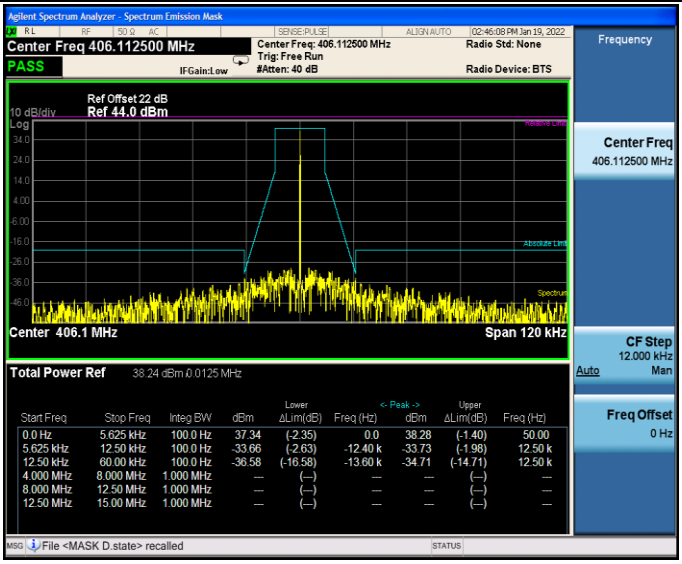
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{M3}	
TX-DNH	4FSK	CH_{M3}	
TX-DNH	4FSK	CH_{H}	

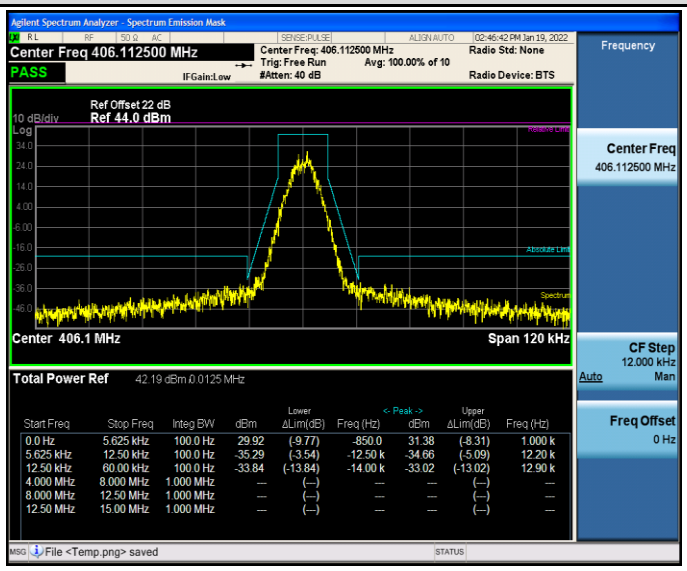
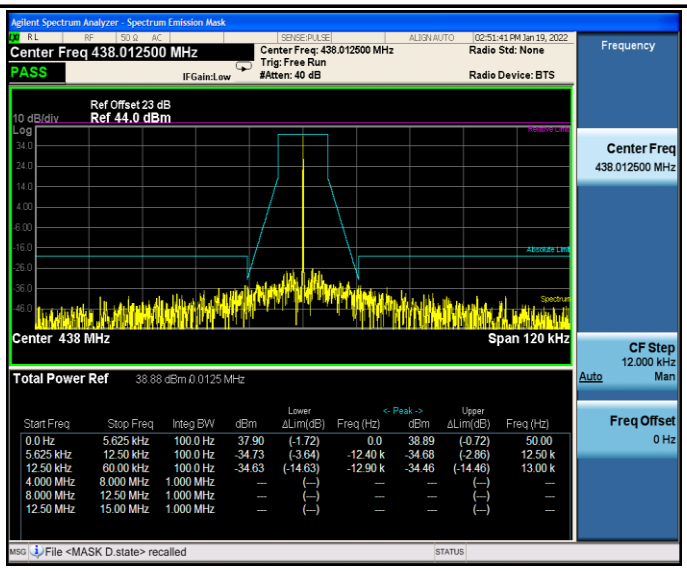
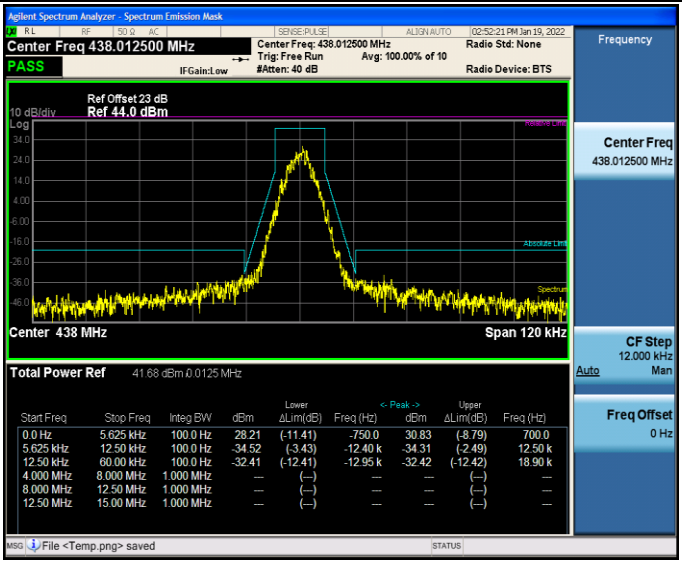
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_H	
TX-DNL	4FSK	CH_L	
TX-DNL	4FSK	CH_L	

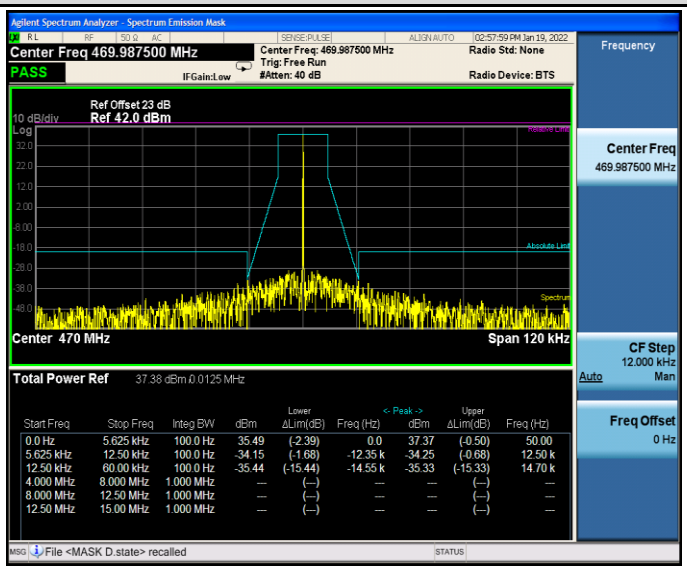
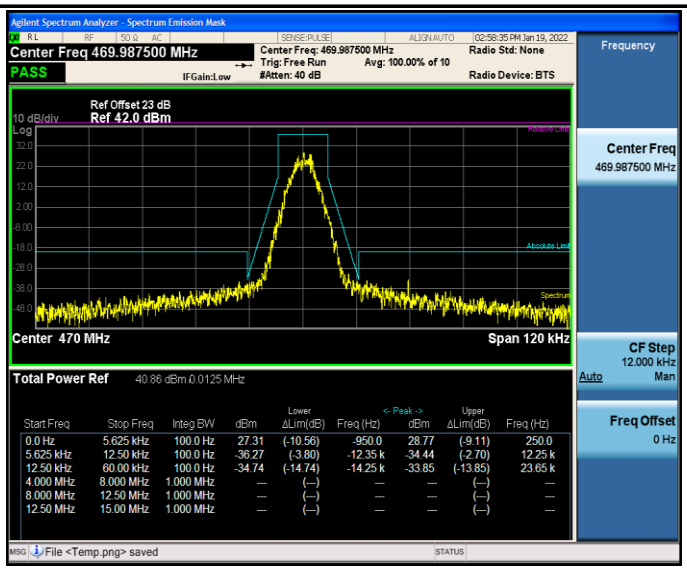
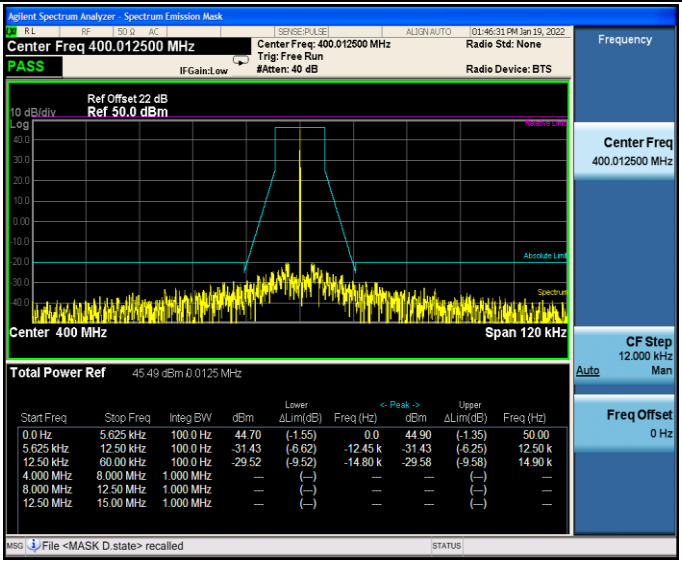
Appendix C:Emission Mask

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

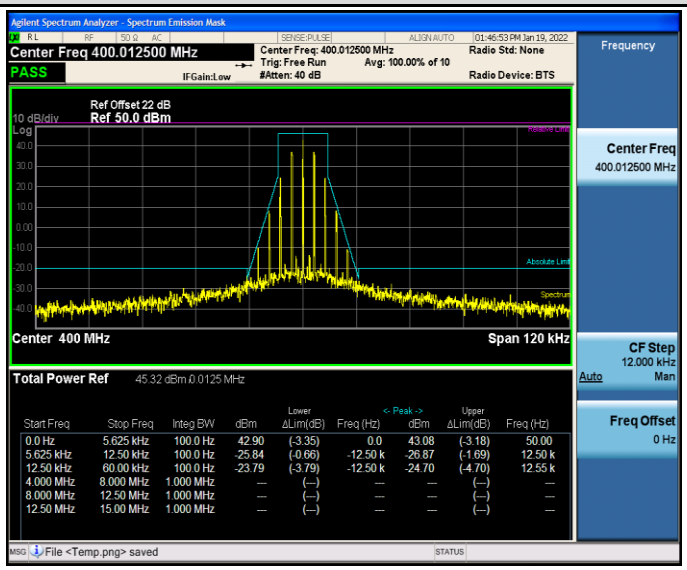
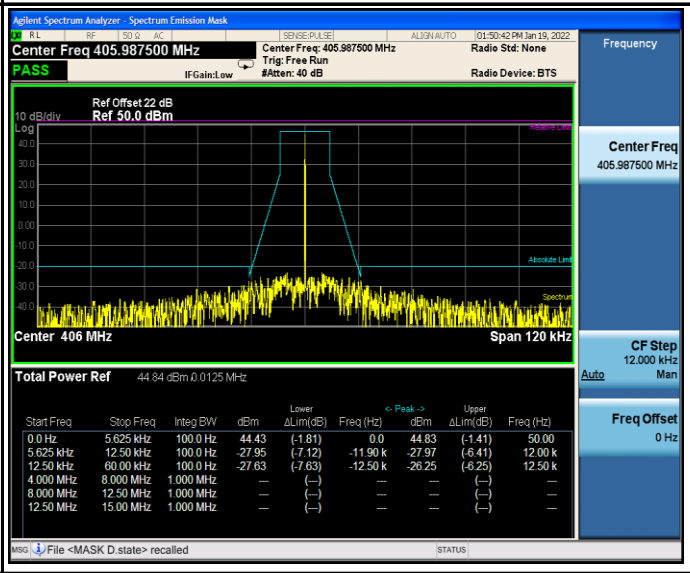
Appendix C:Emission Mask

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

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH_H	
TX-DNL	4FSK	CH_H	
TX-ANH	FM	CH_L	

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH_L	
TX-ANH	FM	CH_{M1}	
TX-ANH	FM	CH_{M1}