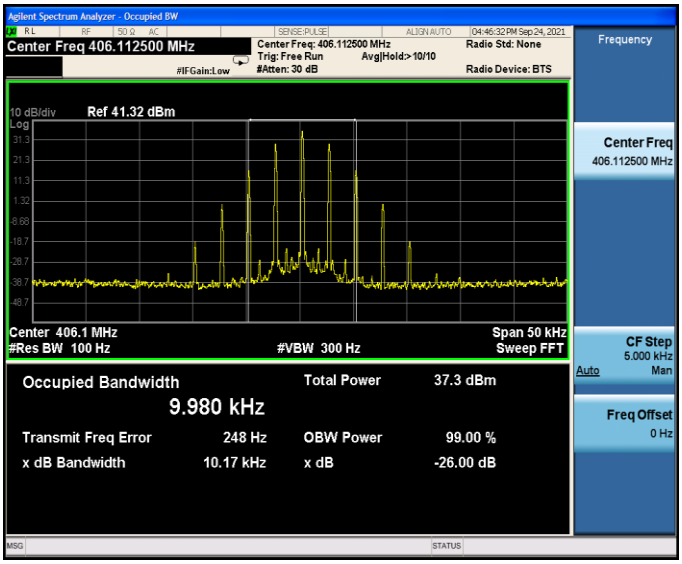
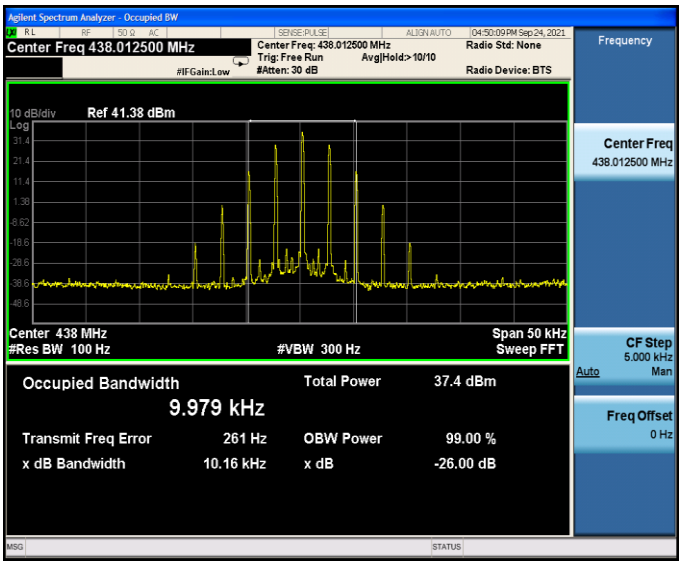
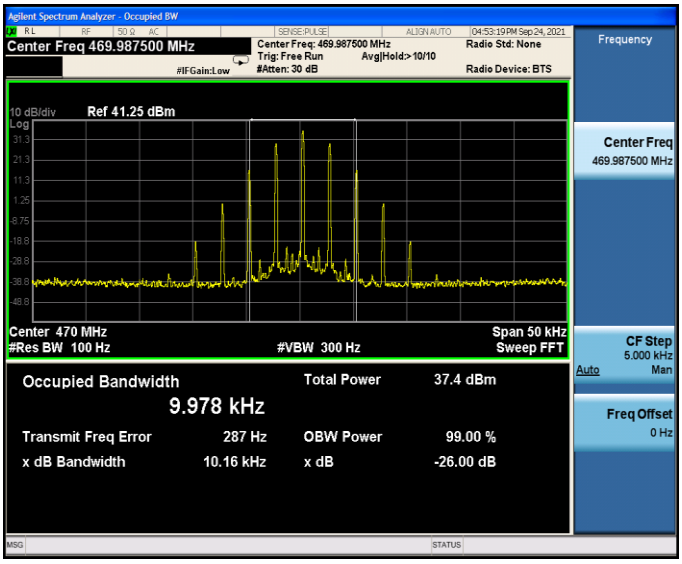
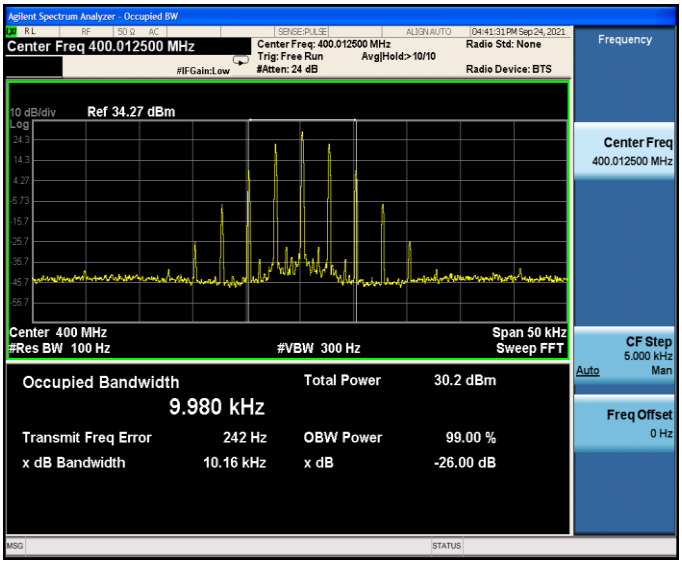
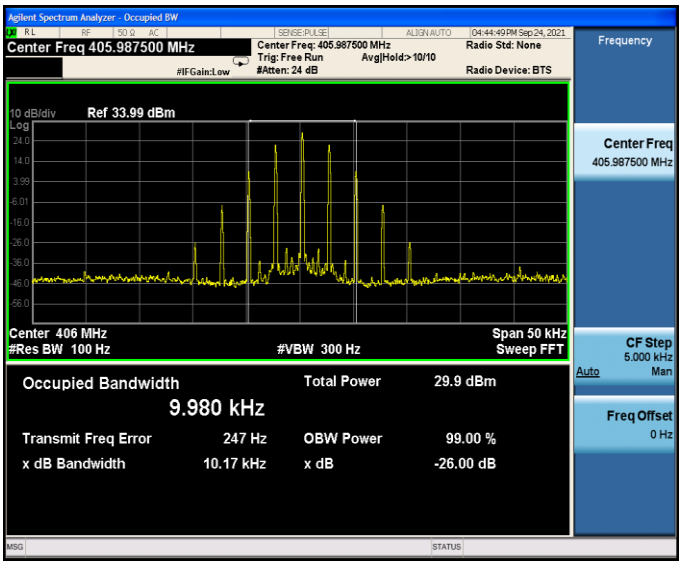
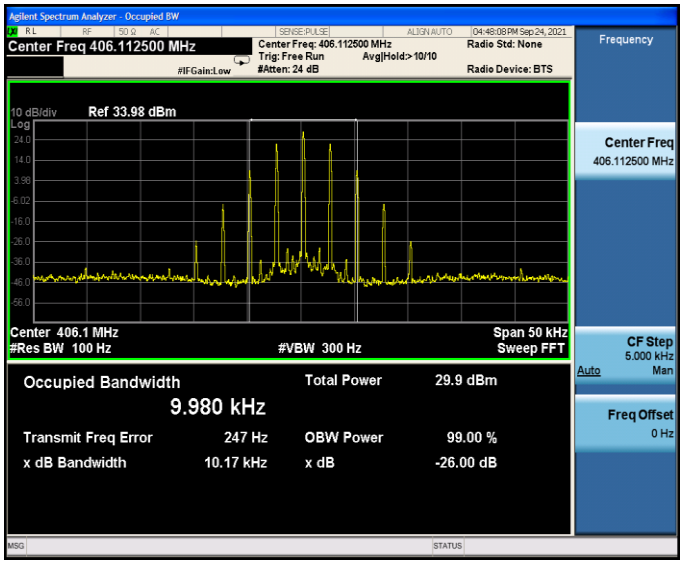
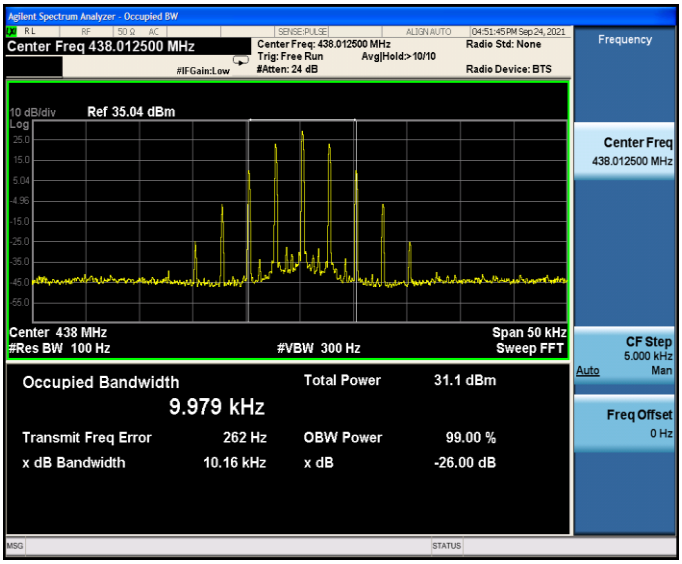
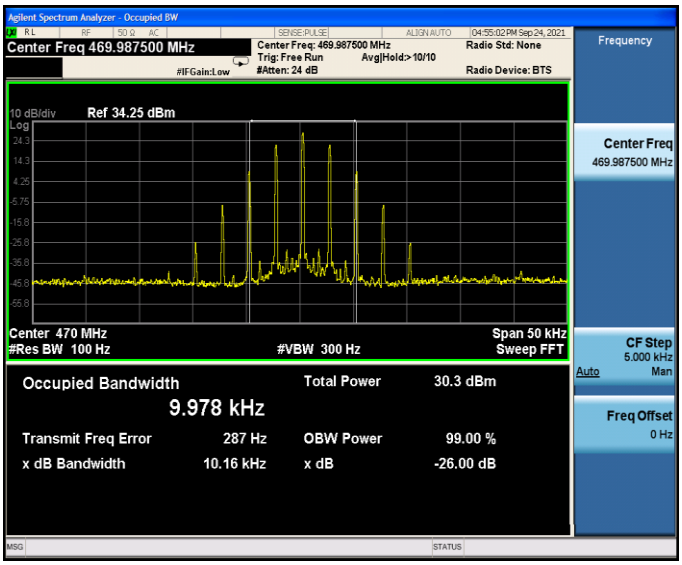
Appendix B:Occupied Bandwidth

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

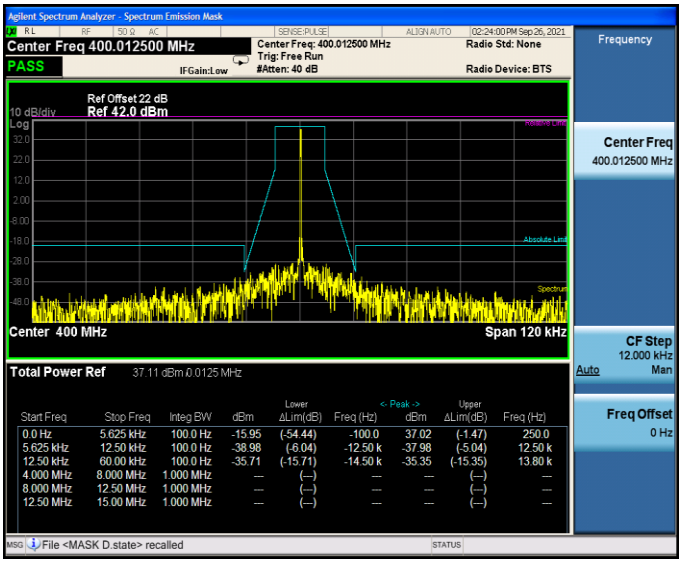
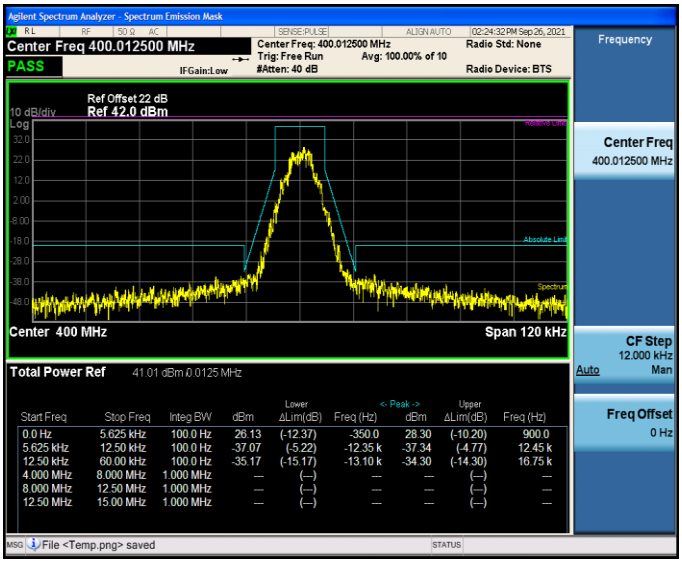
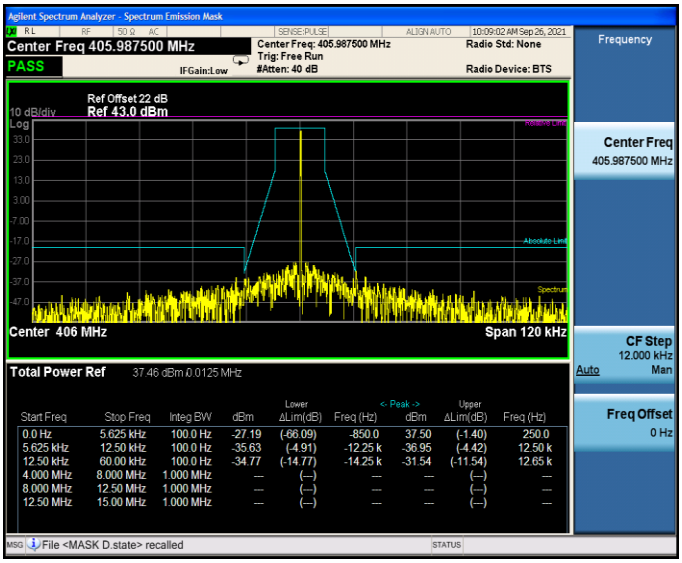
Appendix B:Occupied Bandwidth

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

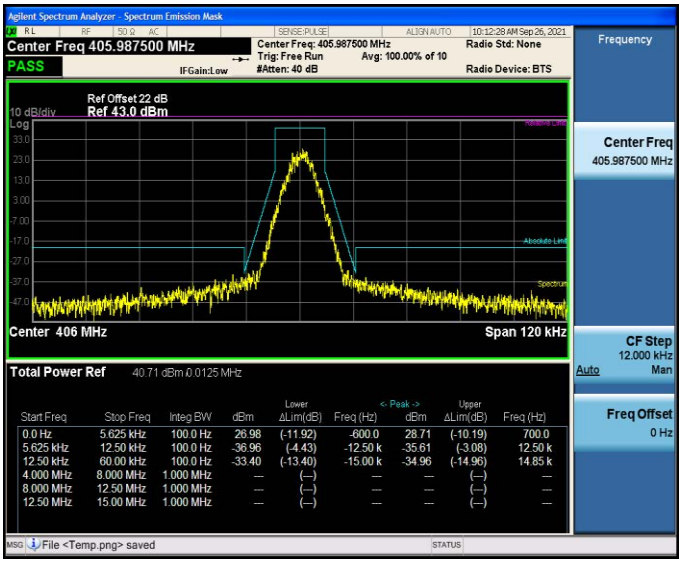
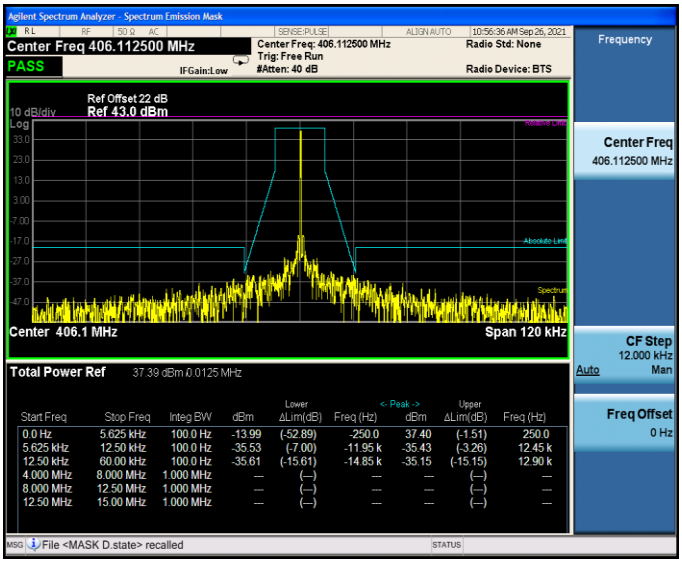
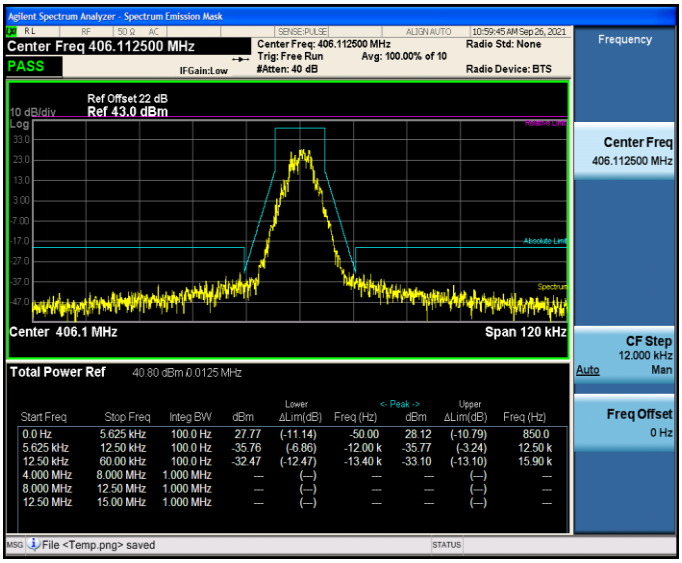
Appendix B:Occupied Bandwidth

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

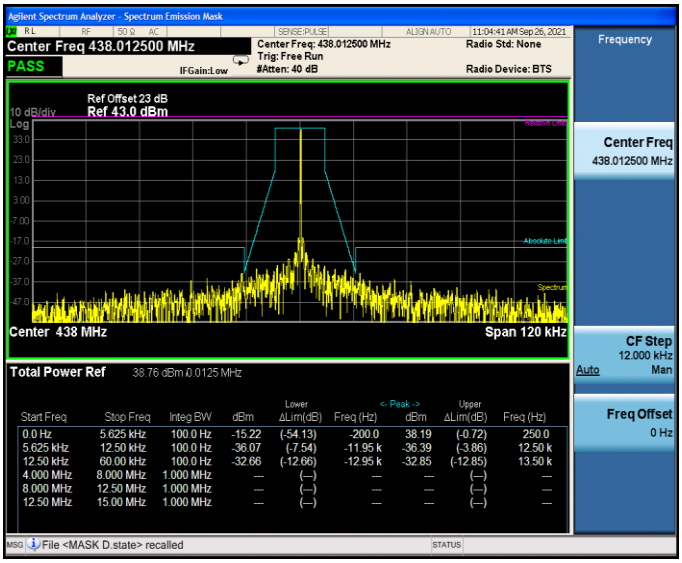
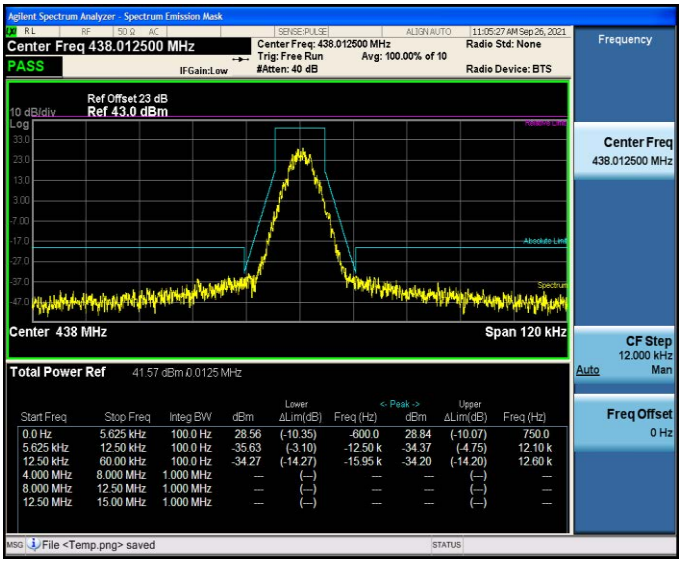
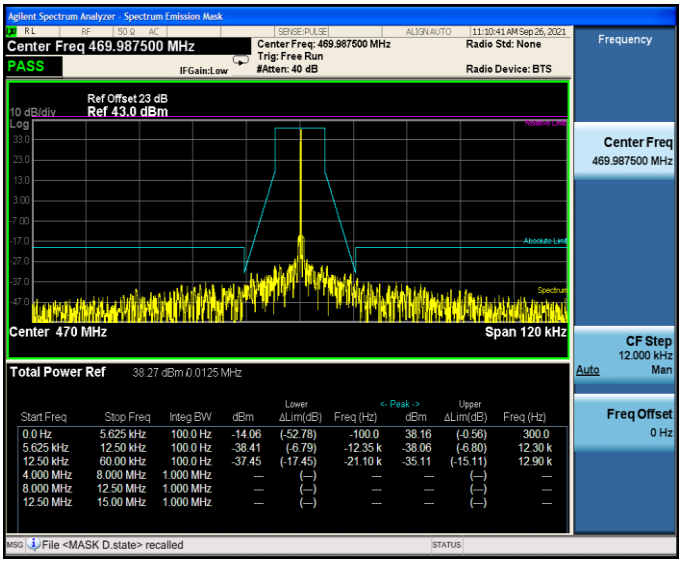
Appendix C:Emission Mask

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

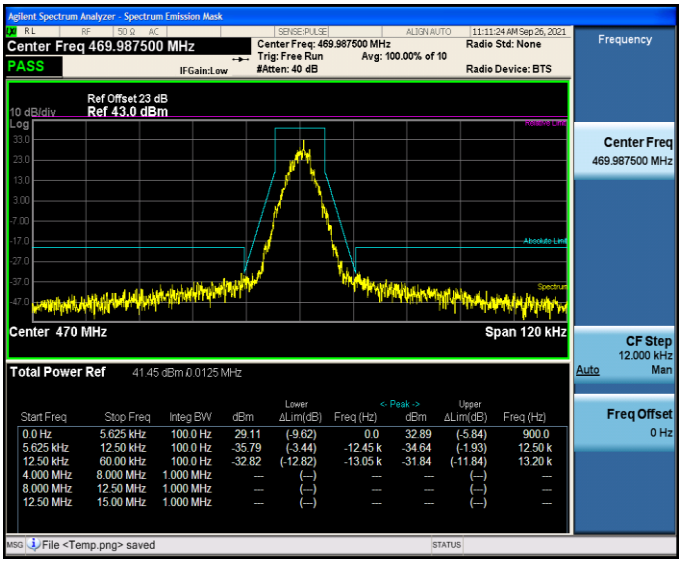
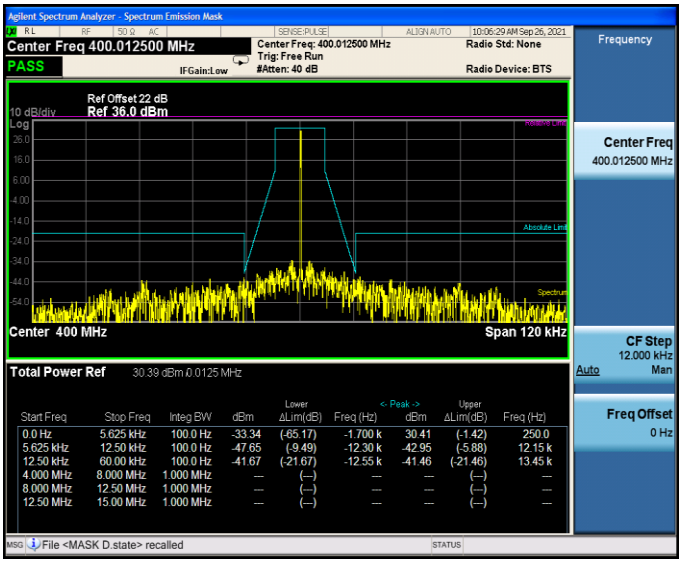
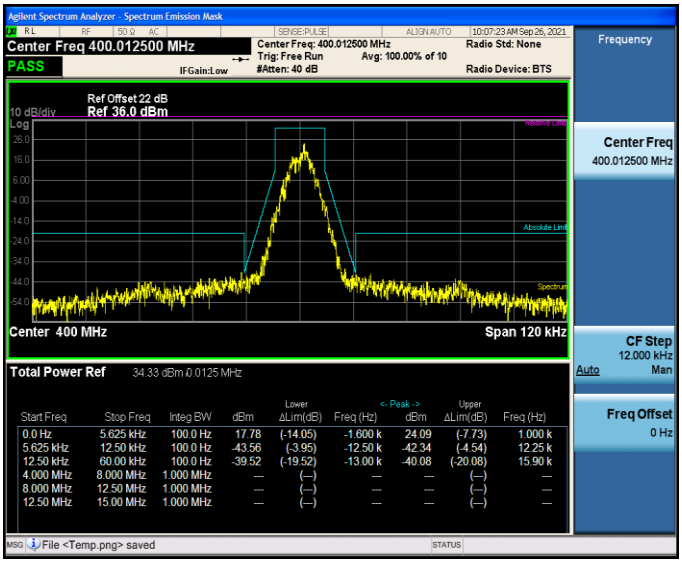
Appendix C:Emission Mask

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

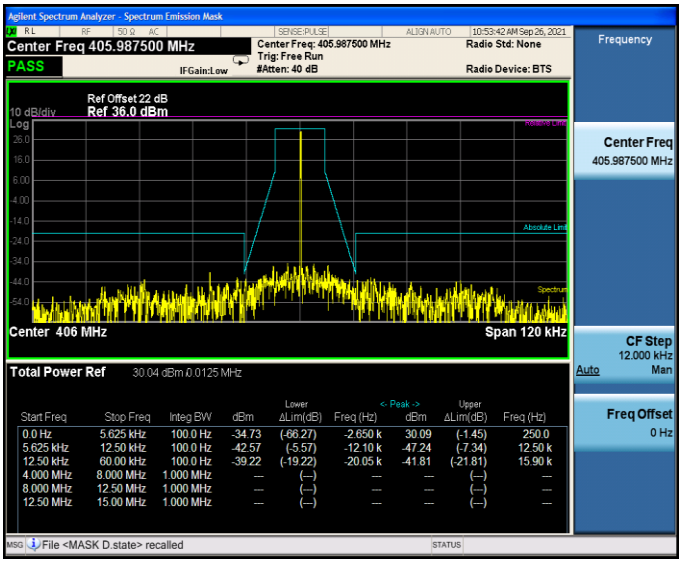
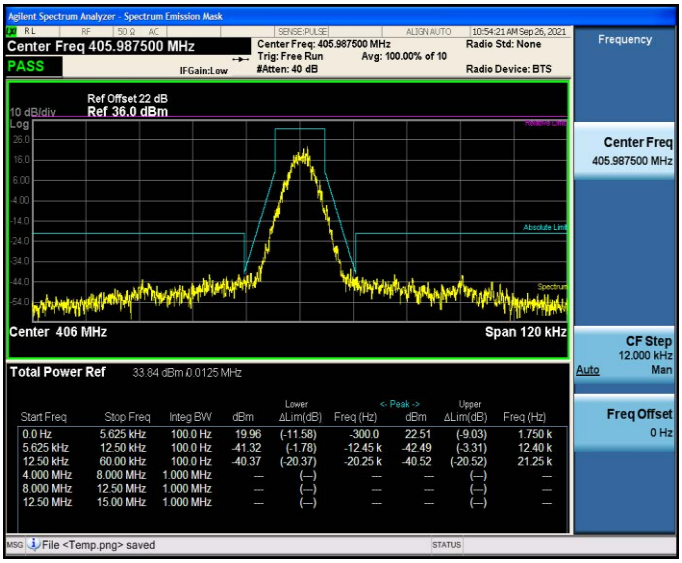
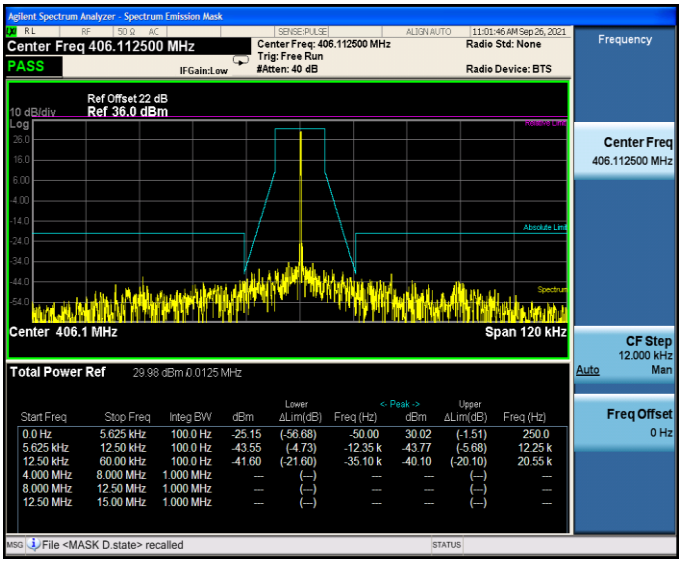
Appendix C:Emission Mask

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

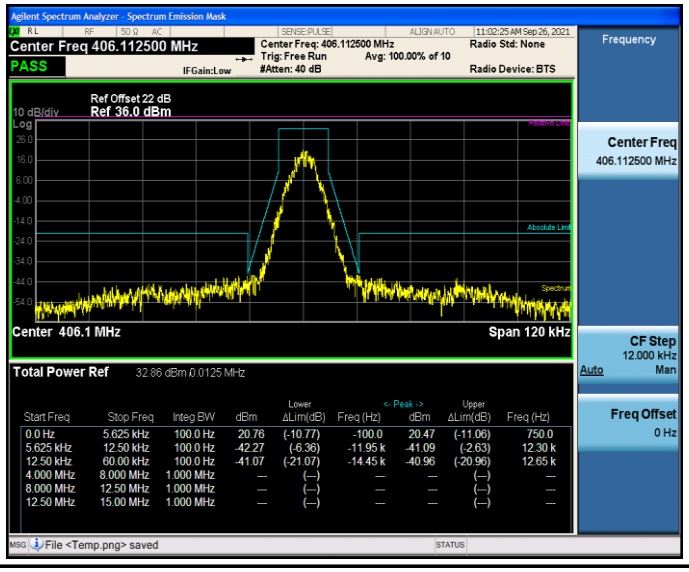
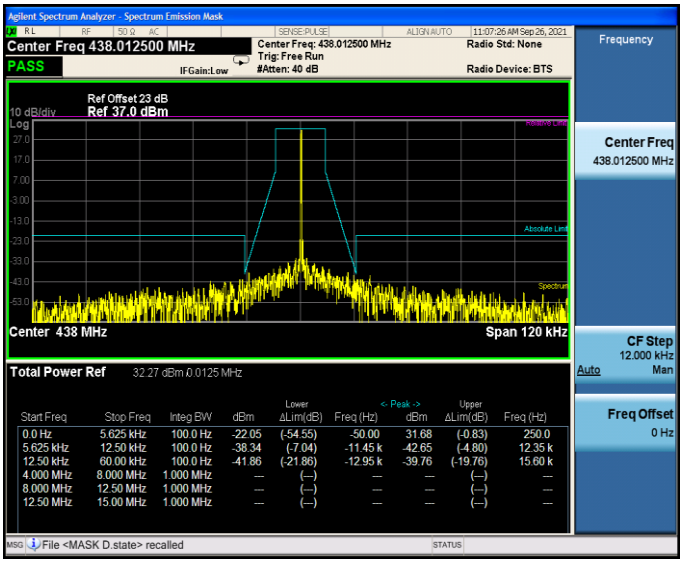
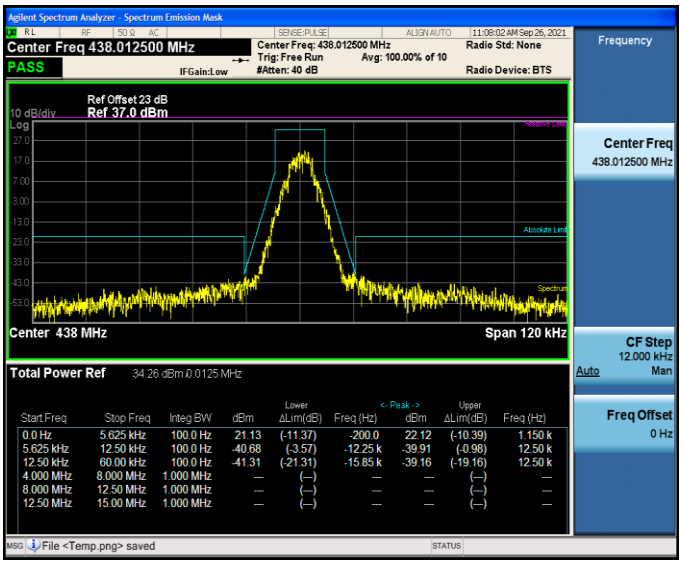
Appendix C:Emission Mask

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

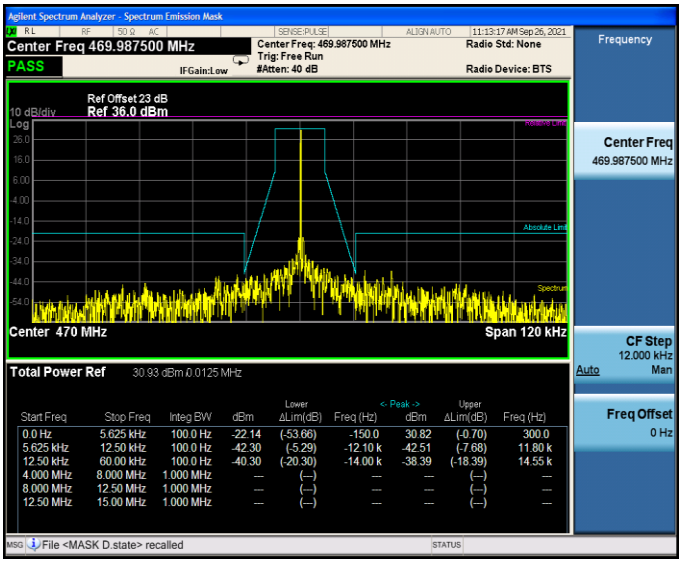
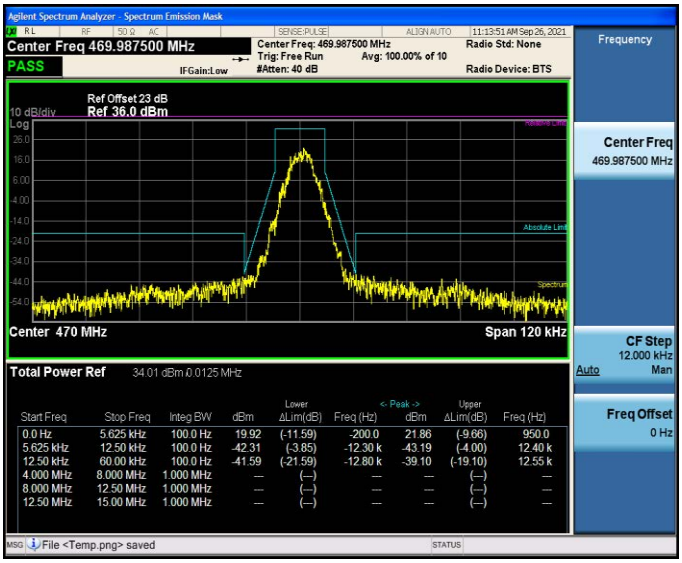
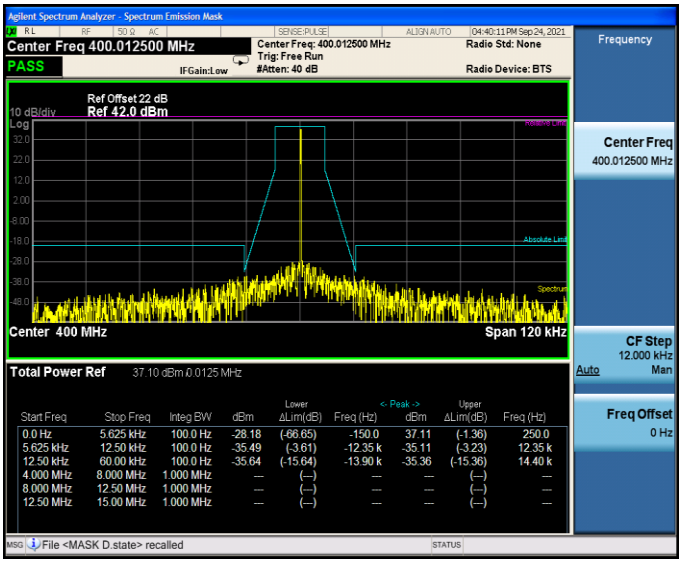
Appendix C:Emission Mask

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

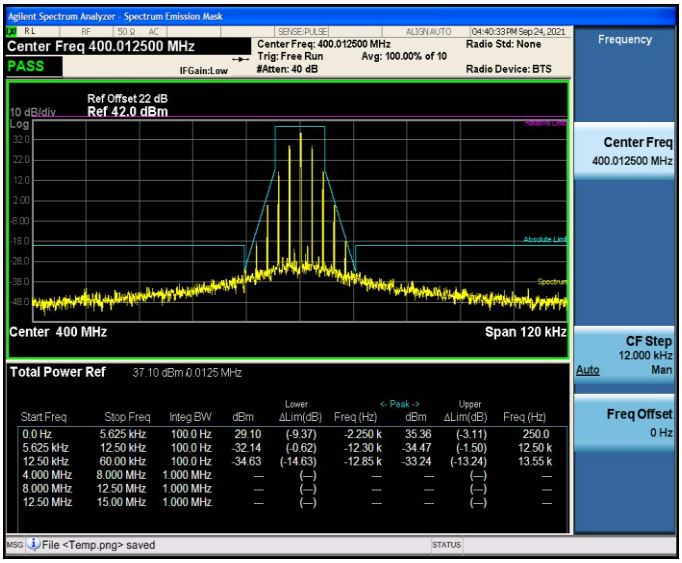
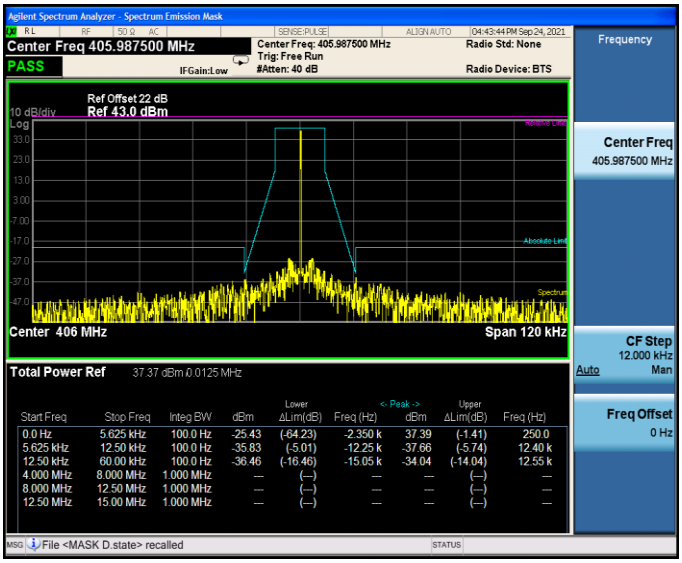
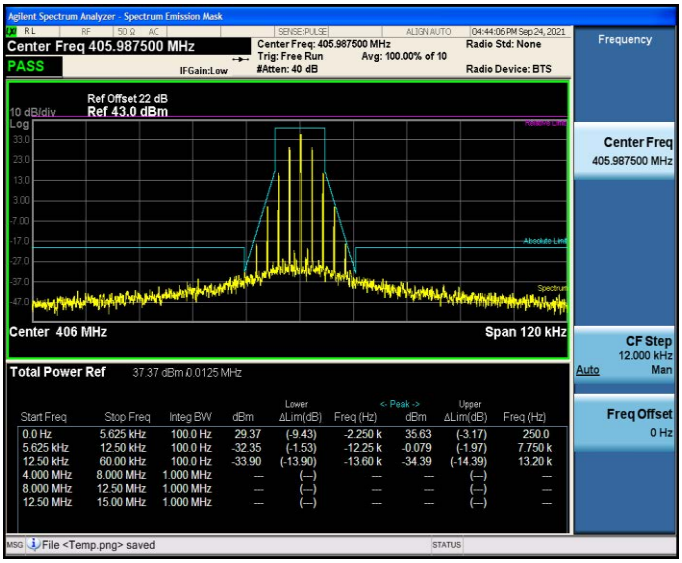
Appendix C:Emission Mask

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

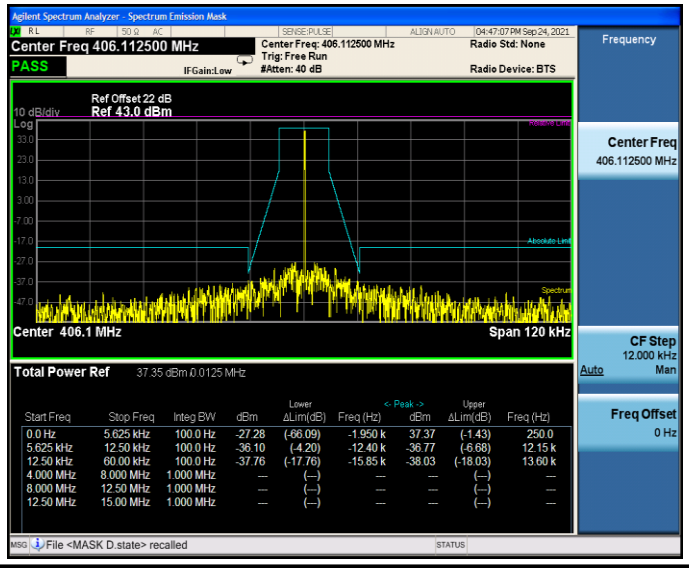
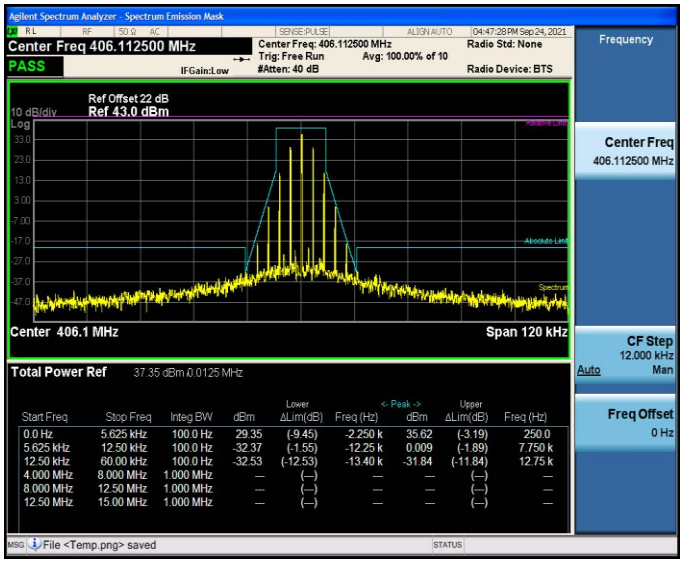
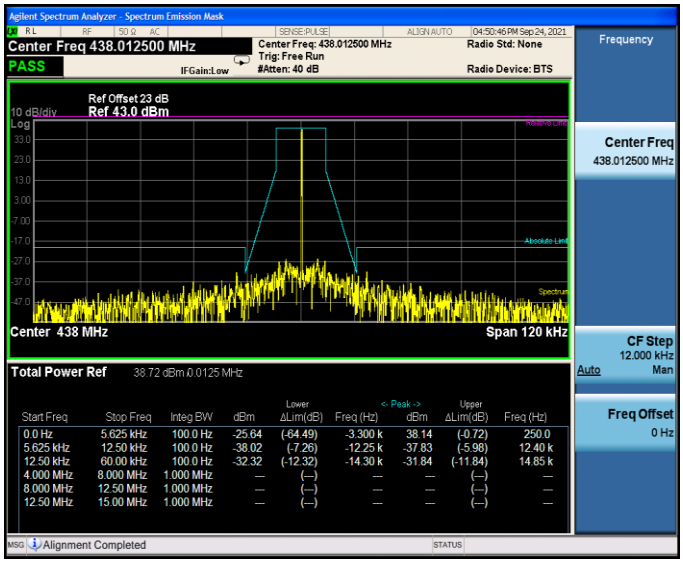
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH_L	
TX-ANH	FM	CH_{M1}	
TX-ANH	FM	CH_{M1}	

Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	29.10	(-9.37)	-2.250 k	35.36	(-3.11)	250.0
5.625 kHz	12.50 kHz	100.0 Hz	-32.14	(-0.62)	-12.30 k	-34.47	(-1.50)	12.50 k
12.50 kHz	60.00 kHz	100.0 Hz	-34.63	(-14.63)	-12.85 k	-33.24	(-13.24)	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	---	(---)	---	---	(---)	---

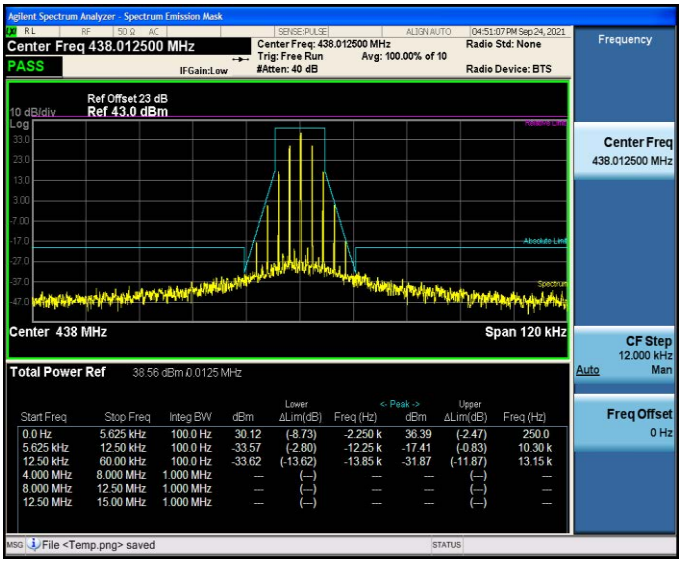
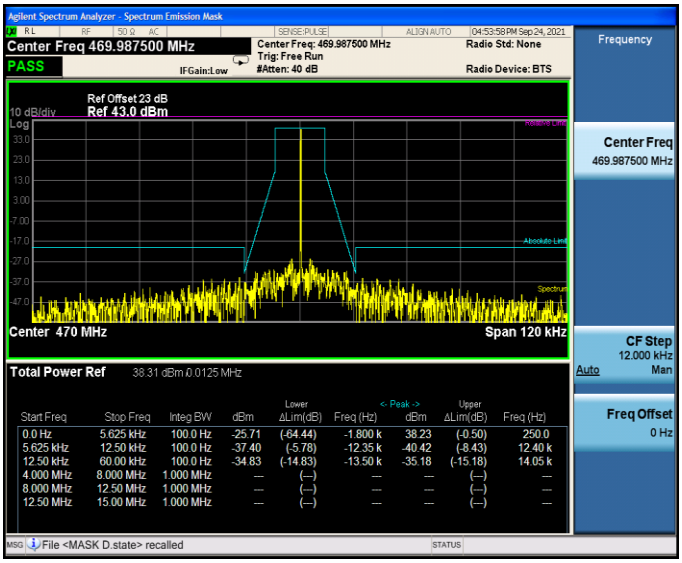
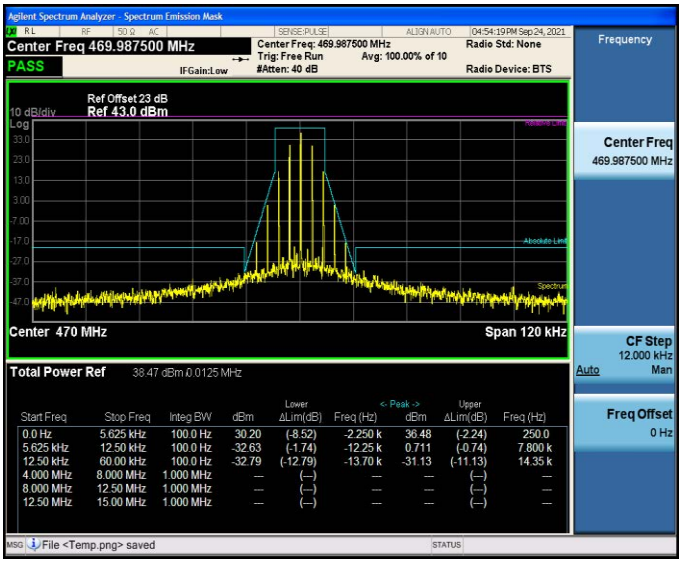
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	-25.43	(-64.23)	-2.350 k	37.39	(-1.41)	250.0
5.625 kHz	12.50 kHz	100.0 Hz	-35.83	(-5.01)	-12.25 k	-37.66	(-5.74)	12.40 k
12.50 kHz	60.00 kHz	100.0 Hz	-36.46	(-16.46)	-15.05 k	-34.04	(-14.04)	12.55 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)	Lower Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Upper Freq (Hz)
0.0 Hz	5.625 kHz	100.0 Hz	29.37	(-9.43)	-2.250 k	35.63	(-3.17)	250.0
5.625 kHz	12.50 kHz	100.0 Hz	-32.35	(-1.53)	-12.25 k	-0.079	(-1.97)	7.750 k
12.50 kHz	60.00 kHz	100.0 Hz	-33.90	(-13.90)	-13.60 k	-34.39	(-14.39)	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	---	(---)	---	---	(---)	---

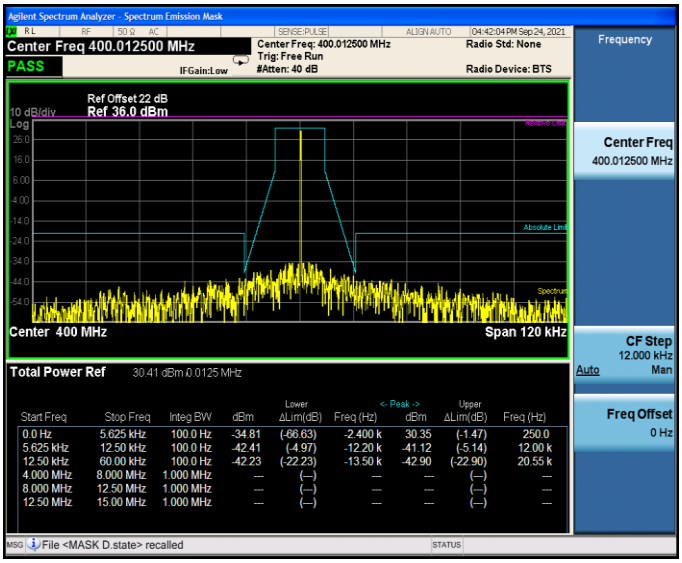
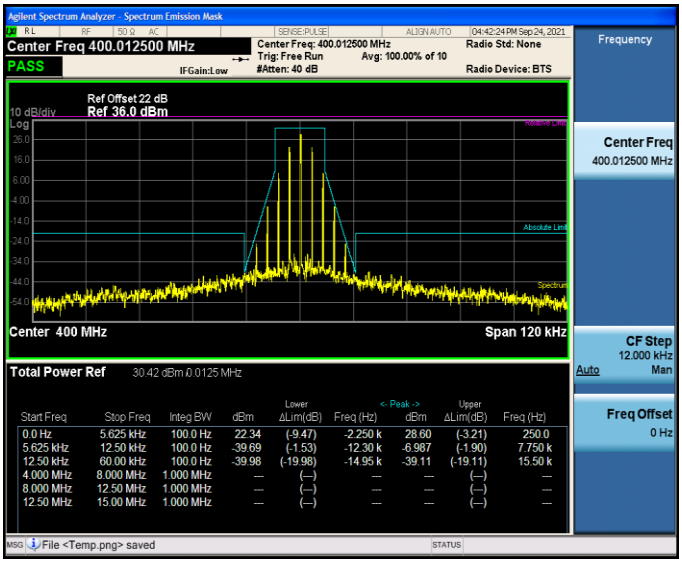
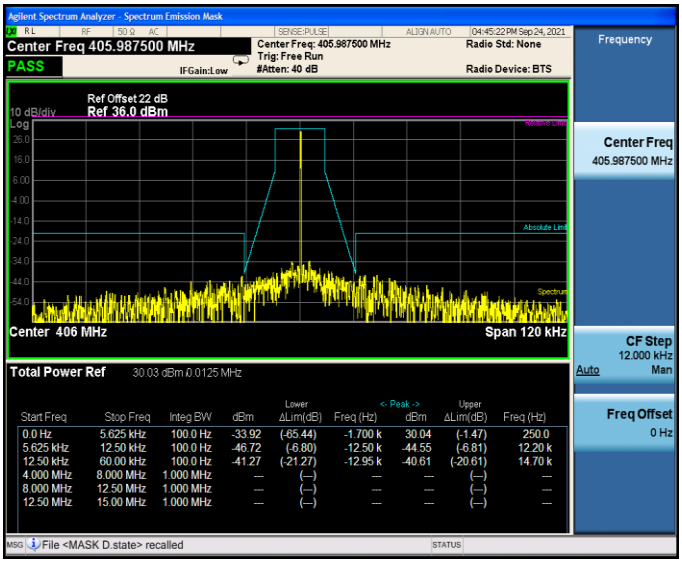
Appendix C:Emission Mask

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

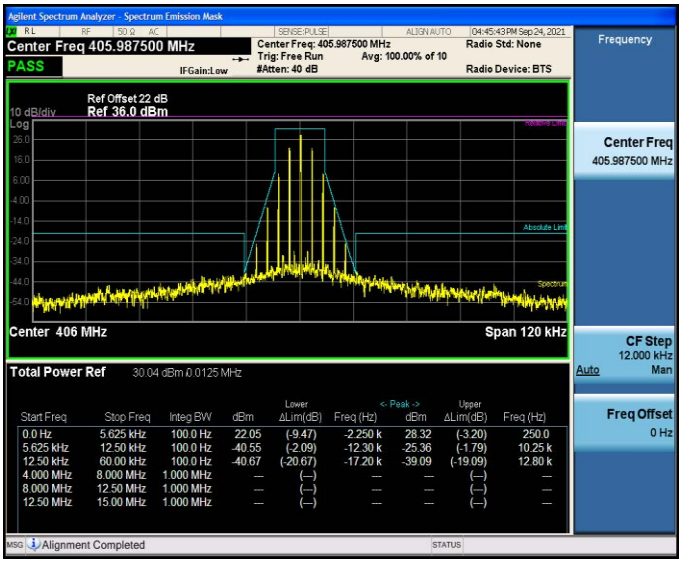
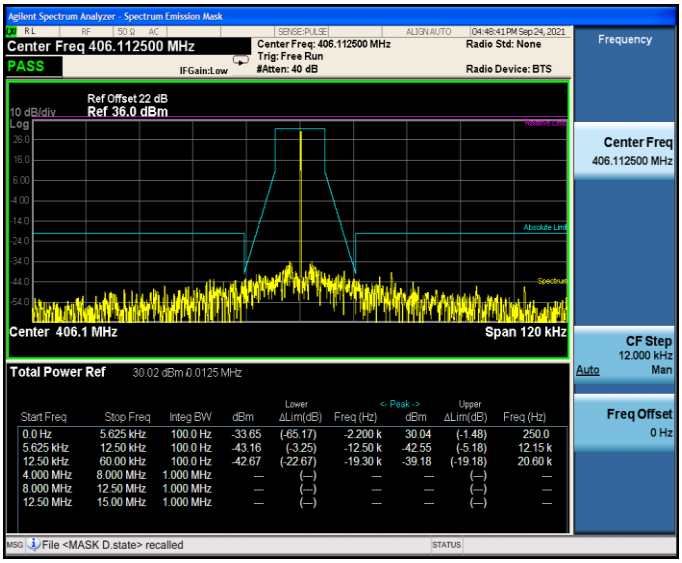
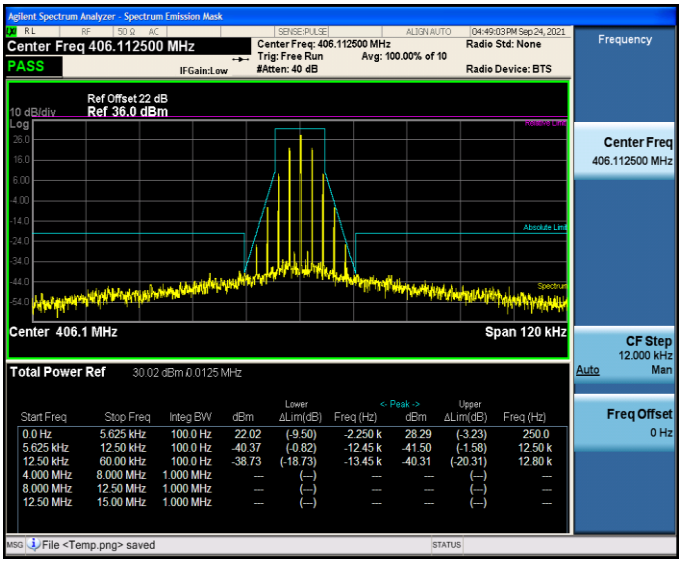
Appendix C:Emission Mask

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

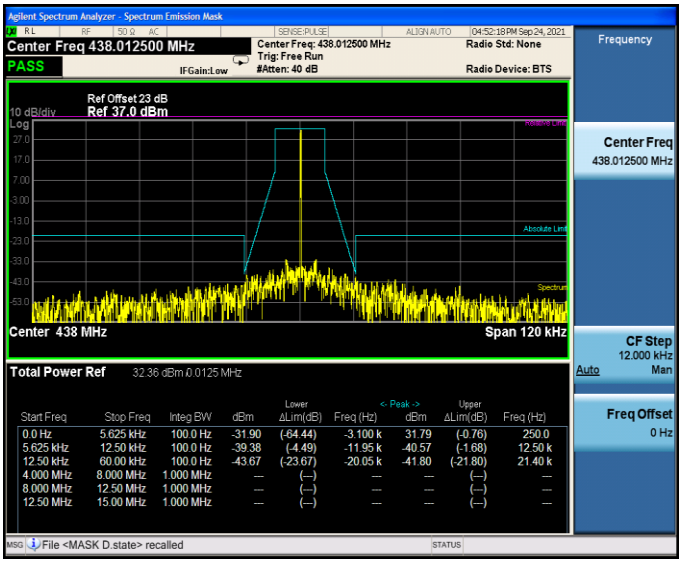
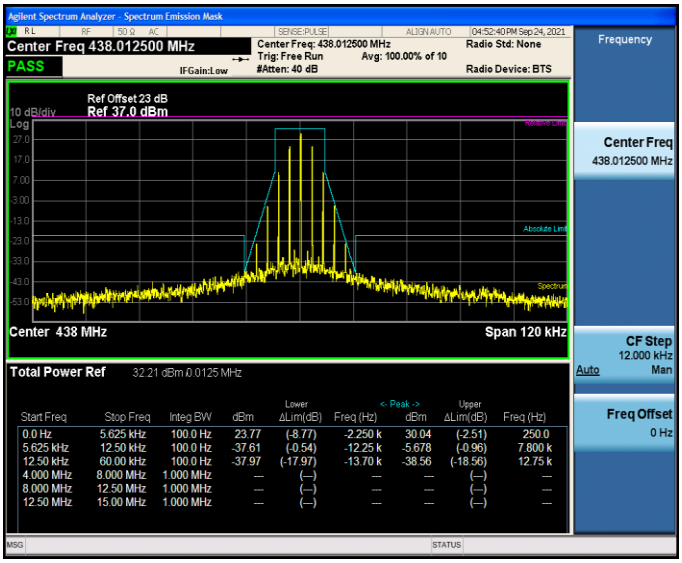
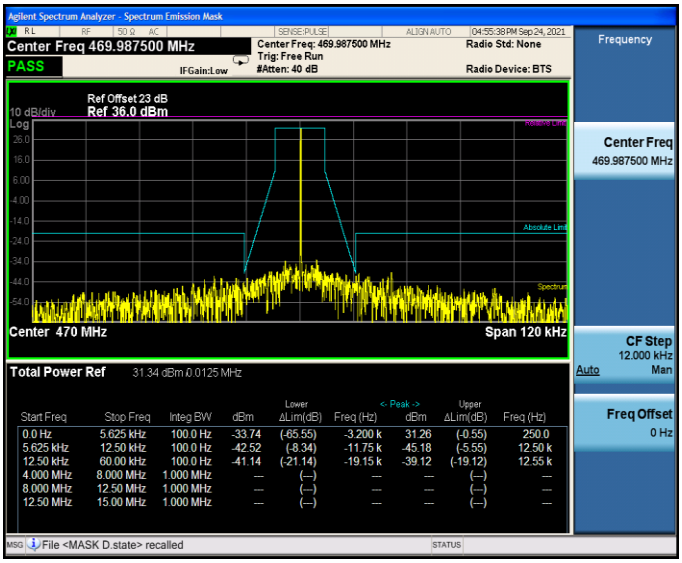
Appendix C:Emission Mask

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

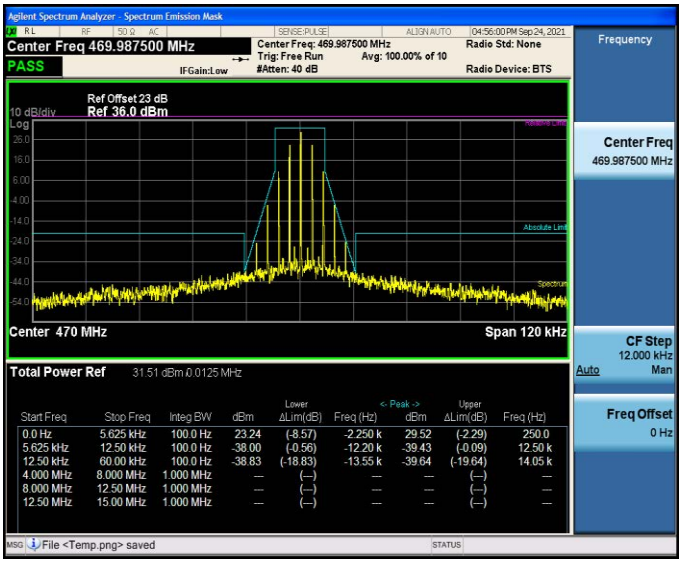
Appendix C:Emission Mask

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

Appendix C:Emission Mask

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

Appendix C:Emission Mask

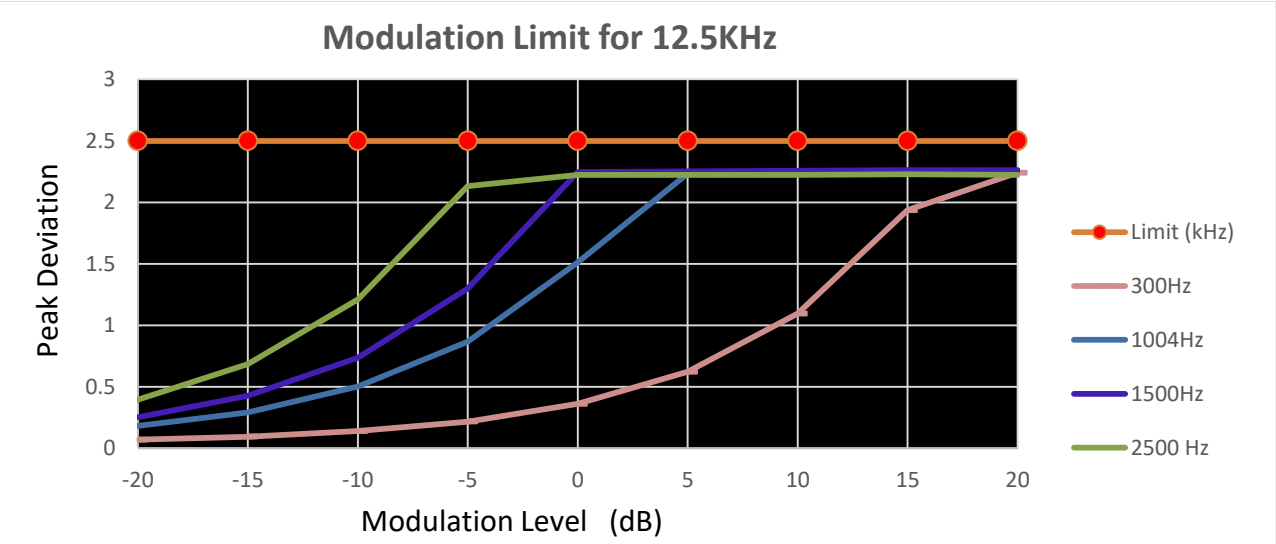
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH_H	

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	0.07	0.183	0.253	0.396	2.5	PASS
TX-ANH	FM	CH_{M2}	-15	0.095	0.293	0.427	0.684	2.5	PASS
TX-ANH	FM	CH_{M2}	-10	0.14	0.503	0.738	1.21	2.5	PASS
TX-ANH	FM	CH_{M2}	-5	0.217	0.868	1.299	2.132	2.5	PASS
TX-ANH	FM	CH_{M2}	0	0.362	1.513	2.246	2.222	2.5	PASS
TX-ANH	FM	CH_{M2}	5	0.622	2.234	2.252	2.223	2.5	PASS
TX-ANH	FM	CH_{M2}	10	1.096	2.243	2.257	2.223	2.5	PASS
TX-ANH	FM	CH_{M2}	15	1.936	2.242	2.261	2.227	2.5	PASS
TX-ANH	FM	CH_{M2}	20	2.241	2.245	2.262	2.222	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

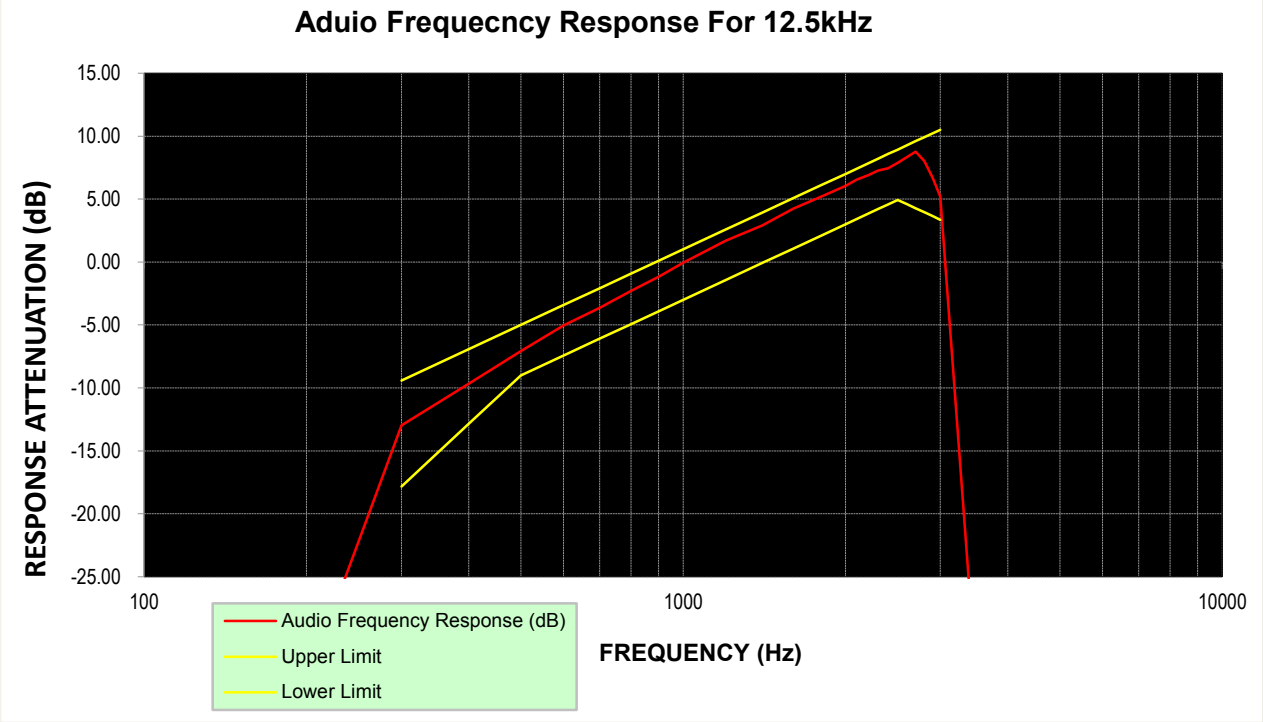


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH_{M2}	100	-33.39			PASS
TX-ANH	FM	CH_{M2}	200	-33.41			PASS
TX-ANH	FM	CH_{M2}	300	-12.97	-17.84	-9.42	PASS
TX-ANH	FM	CH_{M2}	400	-9.66	-12.86	-6.93	PASS
TX-ANH	FM	CH_{M2}	500	-7.07	-9.00	-5.00	PASS
TX-ANH	FM	CH_{M2}	600	-5.04	-7.42	-3.42	PASS
TX-ANH	FM	CH_{M2}	700	-3.65	-6.09	-2.09	PASS
TX-ANH	FM	CH_{M2}	800	-2.28	-4.93	-0.93	PASS
TX-ANH	FM	CH_{M2}	900	-1.18	-3.91	0.09	PASS
TX-ANH	FM	CH_{M2}	1000	-0.05	-3.00	1.00	PASS
TX-ANH	FM	CH_{M2}	1200	1.69	-1.42	2.58	PASS
TX-ANH	FM	CH_{M2}	1400	2.90	-0.09	3.91	PASS
TX-ANH	FM	CH_{M2}	1600	4.23	1.07	5.07	PASS
TX-ANH	FM	CH_{M2}	1800	5.18	2.09	6.09	PASS
TX-ANH	FM	CH_{M2}	2000	6.04	3.00	7.00	PASS
TX-ANH	FM	CH_{M2}	2100	6.54	3.42	7.42	PASS
TX-ANH	FM	CH_{M2}	2200	6.89	3.83	7.83	PASS
TX-ANH	FM	CH_{M2}	2300	7.26	4.21	8.21	PASS
TX-ANH	FM	CH_{M2}	2400	7.44	4.58	8.58	PASS
TX-ANH	FM	CH_{M2}	2500	7.87	4.93	8.93	PASS
TX-ANH	FM	CH_{M2}	2600	8.34	4.59	9.27	PASS
TX-ANH	FM	CH_{M2}	2700	8.77	4.27	9.60	PASS
TX-ANH	FM	CH_{M2}	2800	8.02	3.95	9.91	PASS
TX-ANH	FM	CH_{M2}	2900	6.70	3.65	10.22	PASS
TX-ANH	FM	CH_{M2}	3000	5.21	3.35	10.51	PASS
TX-ANH	FM	CH_{M2}	3500	-33.46			PASS
TX-ANH	FM	CH_{M2}	4000	-33.88			PASS
TX-ANH	FM	CH_{M2}	4500	-33.82			PASS
TX-ANH	FM	CH_{M2}	5000	-33.81			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



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

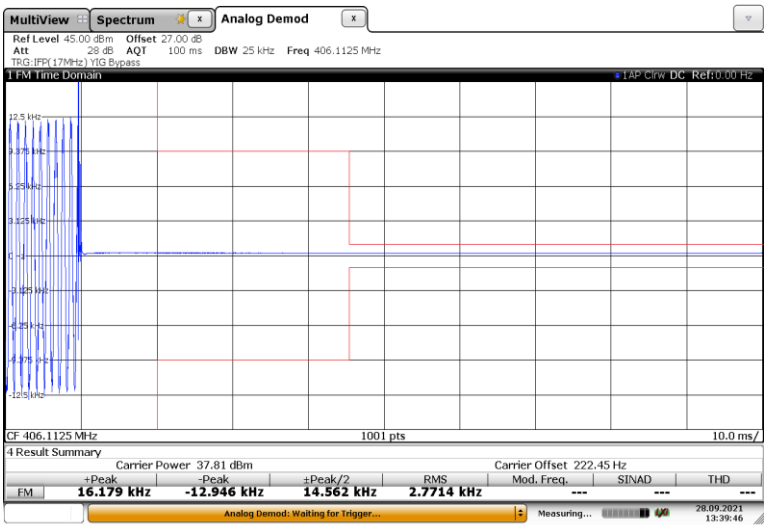
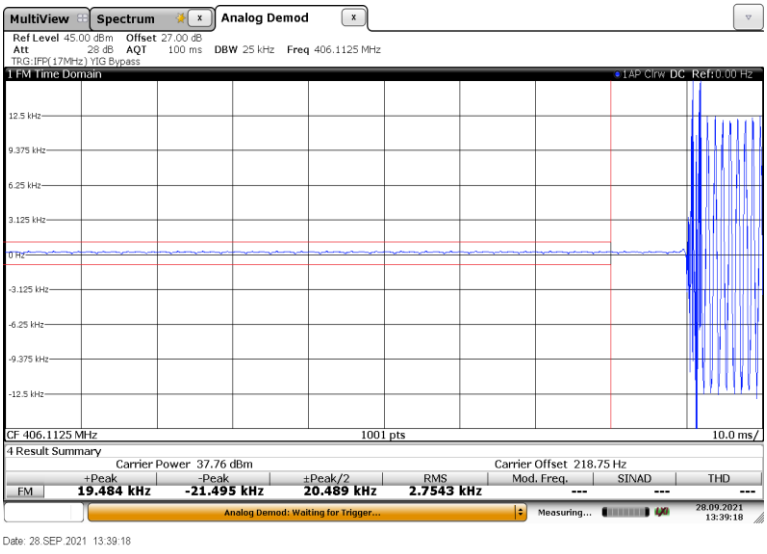
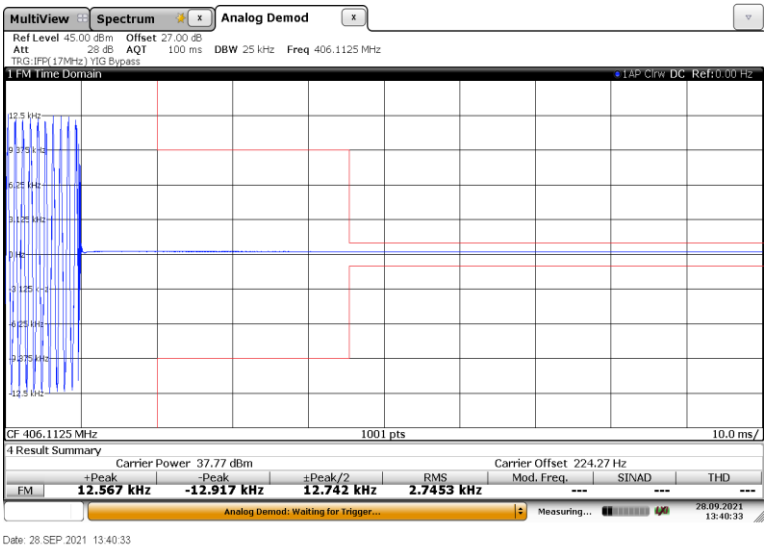
Appendix F:Frequency Stability Test & Temperature

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	0.233	0.221	0.230	0.251	0.256	±5.0	PASS
TX-DNH	4FSK	V_N	-20	0.221	0.223	0.228	0.230	0.261	±5.0	PASS
TX-DNH	4FSK	V_N	-10	0.230	0.228	0.230	0.239	0.265	±5.0	PASS
TX-DNH	4FSK	V_N	0	0.216	0.229	0.231	0.231	0.262	±5.0	PASS
TX-DNH	4FSK	V_N	10	0.220	0.222	0.224	0.243	0.266	±5.0	PASS
TX-DNH	4FSK	V_N	20	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V_N	30	0.222	0.227	0.225	0.239	0.259	±5.0	PASS
TX-DNH	4FSK	V_N	40	0.232	0.222	0.218	0.244	0.271	±5.0	PASS
TX-DNH	4FSK	V_N	50	0.222	0.238	0.223	0.232	0.250	±5.0	PASS
TX-DNL	4FSK	V_N	-30	0.213	0.240	0.224	0.247	0.267	±5.0	PASS
TX-DNL	4FSK	V_N	-20	0.221	0.233	0.233	0.250	0.257	±5.0	PASS
TX-DNL	4FSK	V_N	-10	0.214	0.232	0.238	0.255	0.269	±5.0	PASS
TX-DNL	4FSK	V_N	0	0.221	0.233	0.233	0.242	0.256	±5.0	PASS
TX-DNL	4FSK	V_N	10	0.218	0.237	0.225	0.239	0.255	±5.0	PASS
TX-DNL	4FSK	V_N	20	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V_N	30	0.202	0.230	0.227	0.240	0.266	±5.0	PASS
TX-DNL	4FSK	V_N	40	0.222	0.220	0.237	0.236	0.248	±5.0	PASS
TX-DNL	4FSK	V_N	50	0.208	0.239	0.219	0.253	0.269	±5.0	PASS
TX-ANH	FM	V_N	-30	0.685	0.693	0.728	0.710	0.679	±5.0	PASS
TX-ANH	FM	V_N	-20	0.700	0.706	0.686	0.683	0.708	±5.0	PASS
TX-ANH	FM	V_N	-10	0.730	0.713	0.720	0.689	0.731	±5.0	PASS
TX-ANH	FM	V_N	0	0.721	0.738	0.718	0.681	0.684	±5.0	PASS
TX-ANH	FM	V_N	10	0.673	0.712	0.731	0.697	0.709	±5.0	PASS
TX-ANH	FM	V_N	20	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V_N	30	0.729	0.721	0.681	0.718	0.732	±5.0	PASS
TX-ANH	FM	V_N	40	0.701	0.731	0.686	0.704	0.714	±5.0	PASS
TX-ANH	FM	V_N	50	0.718	0.706	0.726	0.732	0.686	±5.0	PASS
TX-ANL	FM	V_N	-30	0.722	0.709	0.692	0.701	0.714	±5.0	PASS
TX-ANL	FM	V_N	-20	0.729	0.737	0.695	0.689	0.733	±5.0	PASS
TX-ANL	FM	V_N	-10	0.672	0.706	0.687	0.736	0.687	±5.0	PASS
TX-ANL	FM	V_N	0	0.700	0.710	0.680	0.720	0.679	±5.0	PASS
TX-ANL	FM	V_N	10	0.684	0.702	0.742	0.671	0.687	±5.0	PASS
TX-ANL	FM	V_N	20	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V_N	30	0.701	0.721	0.729	0.699	0.732	±5.0	PASS
TX-ANL	FM	V_N	40	0.730	0.684	0.688	0.732	0.686	±5.0	PASS
TX-ANL	FM	V_N	50	0.681	0.722	0.738	0.716	0.724	±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	0.213	0.217	0.217	0.229	0.247	±5.0	PASS
TX-DNH	4FSK	V_L	T_N	0.214	0.218	0.220	0.233	0.247	±5.0	PASS
TX-DNH	4FSK	V_H	T_N	0.225	0.226	0.219	0.237	0.258	±5.0	PASS
TX-DNL	4FSK	V_N	T_N	0.202	0.219	0.216	0.232	0.246	±5.0	PASS
TX-DNL	4FSK	V_L	T_N	0.203	0.220	0.220	0.233	0.249	±5.0	PASS
TX-DNL	4FSK	V_H	T_N	0.205	0.225	0.217	0.239	0.250	±5.0	PASS
TX-ANH	FM	V_N	T_N	0.673	0.676	0.677	0.670	0.672	±5.0	PASS
TX-ANH	FM	V_L	T_N	0.680	0.678	0.681	0.681	0.676	±5.0	PASS
TX-ANH	FM	V_H	T_N	0.713	0.698	0.681	0.703	0.709	±5.0	PASS
TX-ANL	FM	V_N	T_N	0.666	0.674	0.676	0.670	0.672	±5.0	PASS
TX-ANL	FM	V_L	T_N	0.676	0.677	0.682	0.680	0.676	±5.0	PASS
TX-ANL	FM	V_H	T_N	0.675	0.697	0.698	0.693	0.689	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

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

Appendix H:Transmitter Frequency Behavior

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