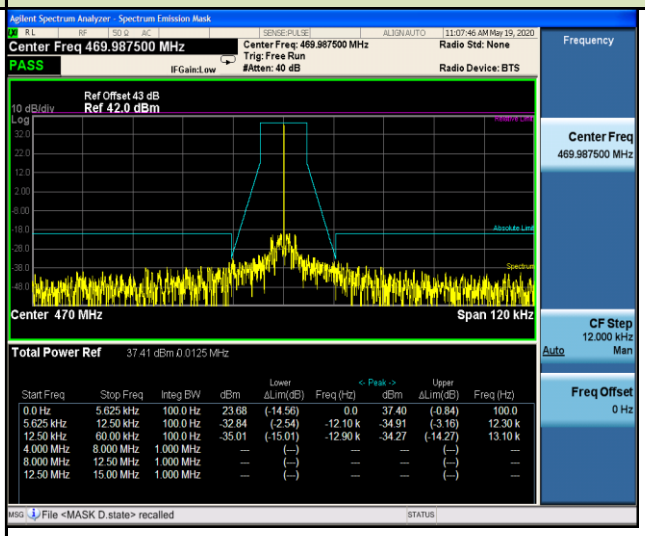
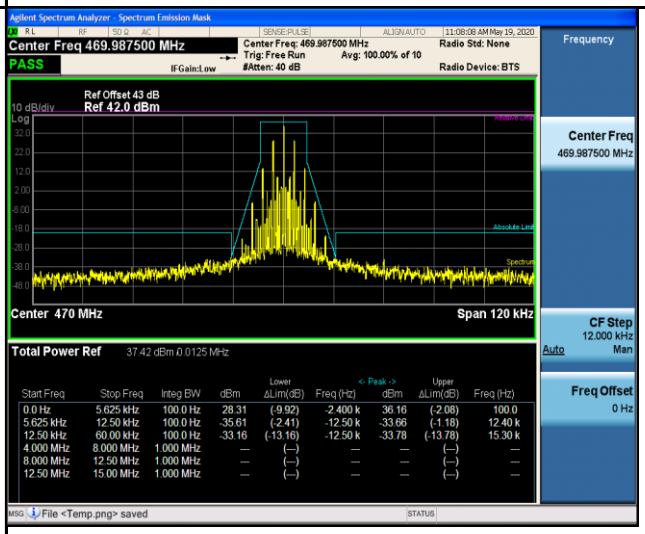
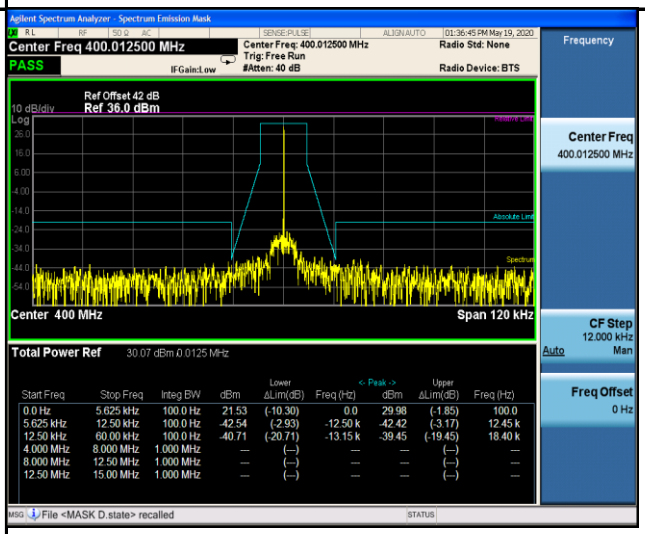
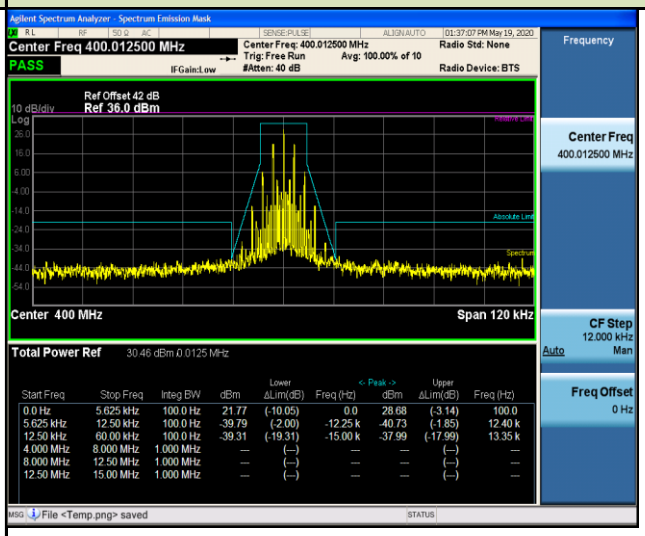
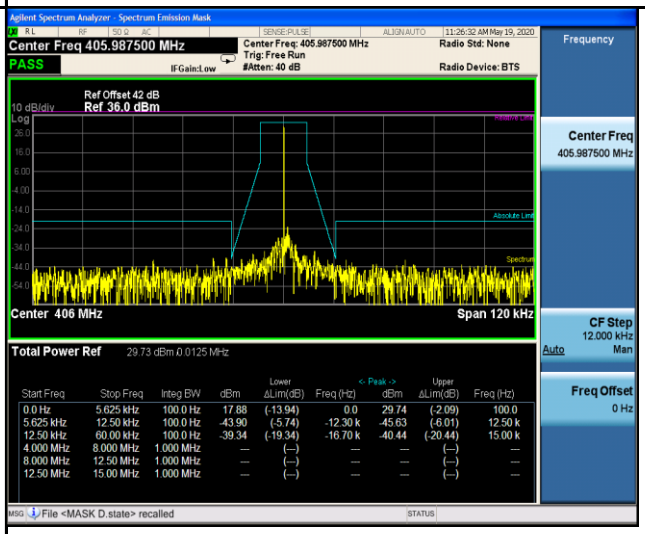
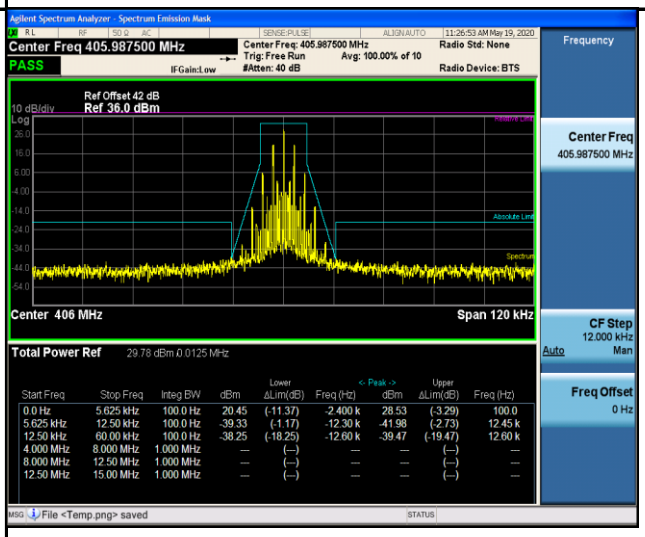
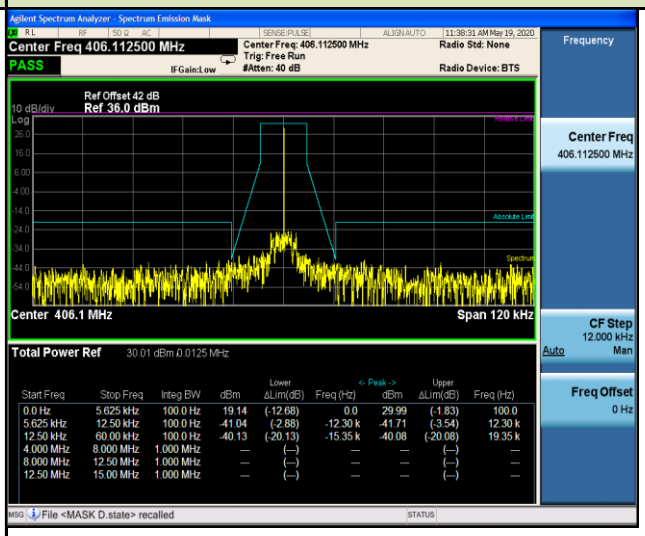
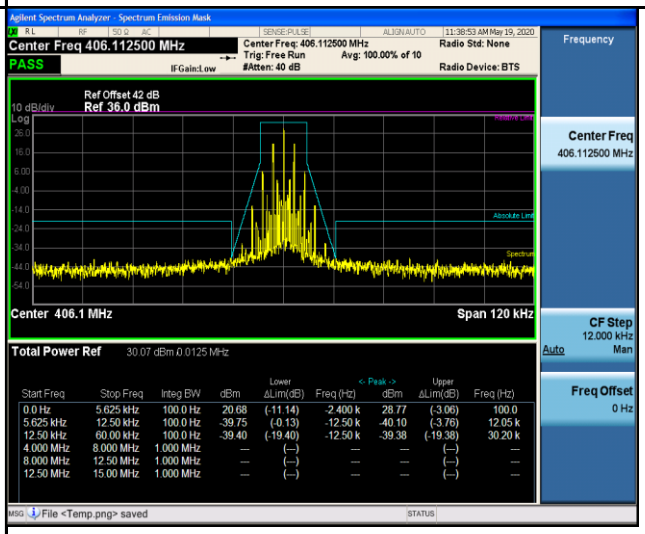
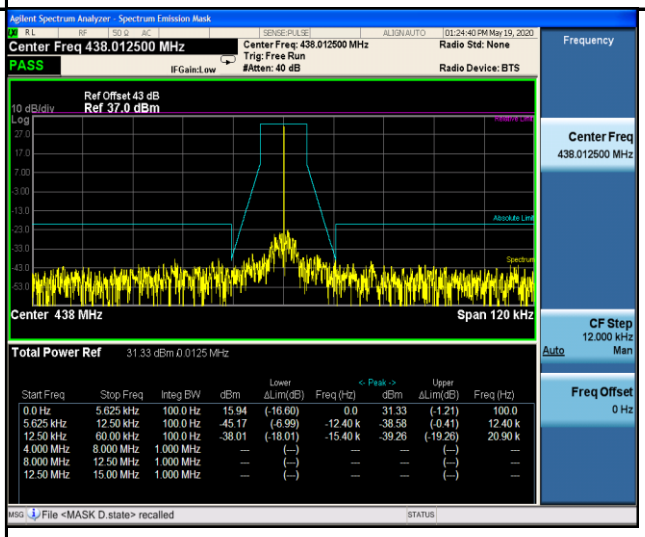
Appendix C:Emission Mask

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

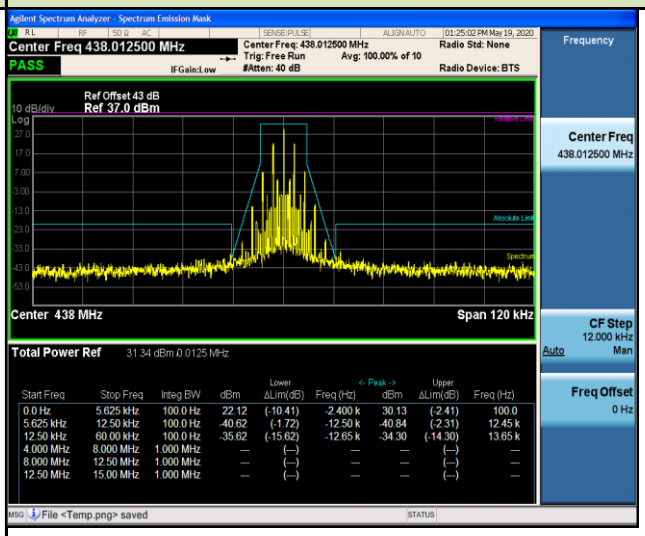
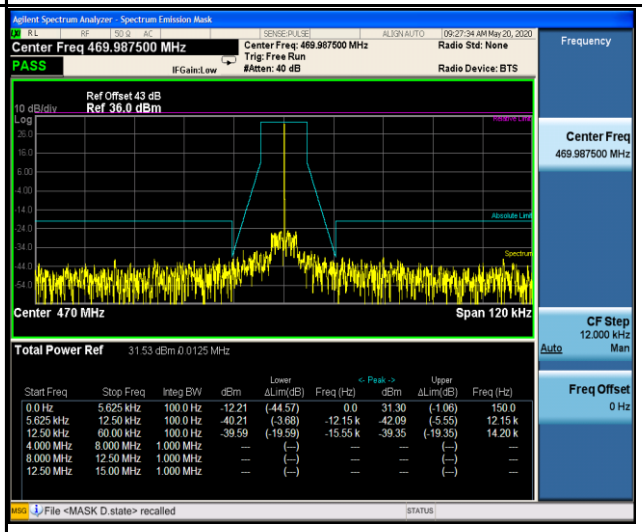
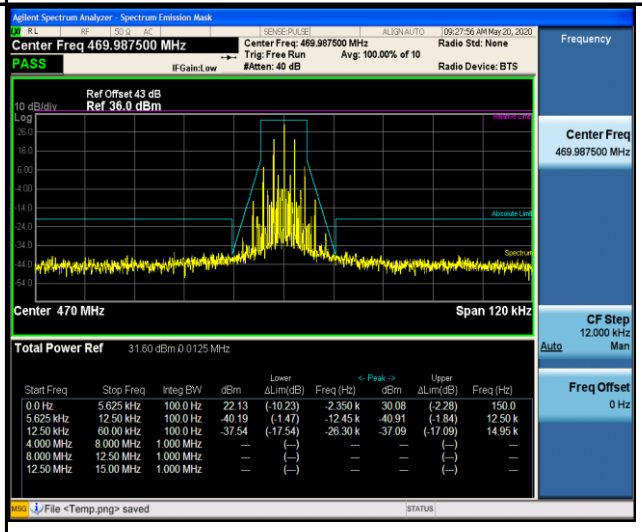
Appendix C:Emission Mask

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

Appendix C:Emission Mask

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

Appendix C:Emission Mask

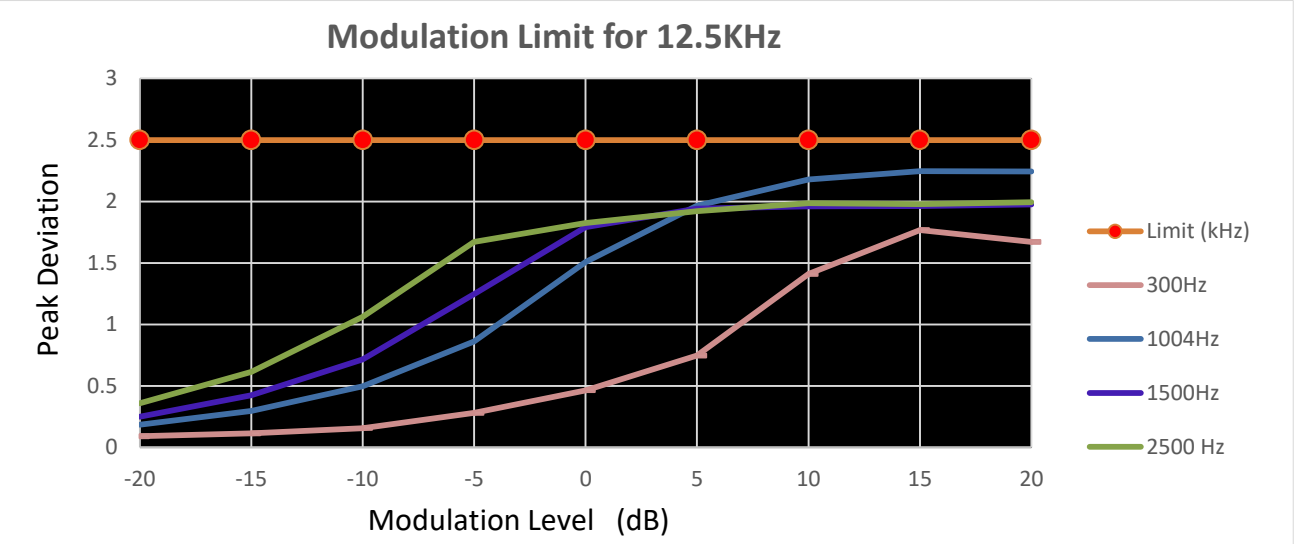
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANL	FM	CH_{M3}	
TX-ANL	FM	CH_{H}	
TX-ANL	FM	CH_{H}	

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	0.091	0.185	0.251	0.359	2.5	PASS
TX-ANH	FM	CH_{M2}	-15	0.115	0.297	0.424	0.615	2.5	PASS
TX-ANH	FM	CH_{M2}	-10	0.158	0.498	0.716	1.062	2.5	PASS
TX-ANH	FM	CH_{M2}	-5	0.281	0.863	1.246	1.67	2.5	PASS
TX-ANH	FM	CH_{M2}	0	0.464	1.507	1.79	1.826	2.5	PASS
TX-ANH	FM	CH_{M2}	5	0.747	1.966	1.943	1.922	2.5	PASS
TX-ANH	FM	CH_{M2}	10	1.41	2.178	1.961	1.987	2.5	PASS
TX-ANH	FM	CH_{M2}	15	1.767	2.247	1.964	1.978	2.5	PASS
TX-ANH	FM	CH_{M2}	20	1.67	2.245	1.977	1.993	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

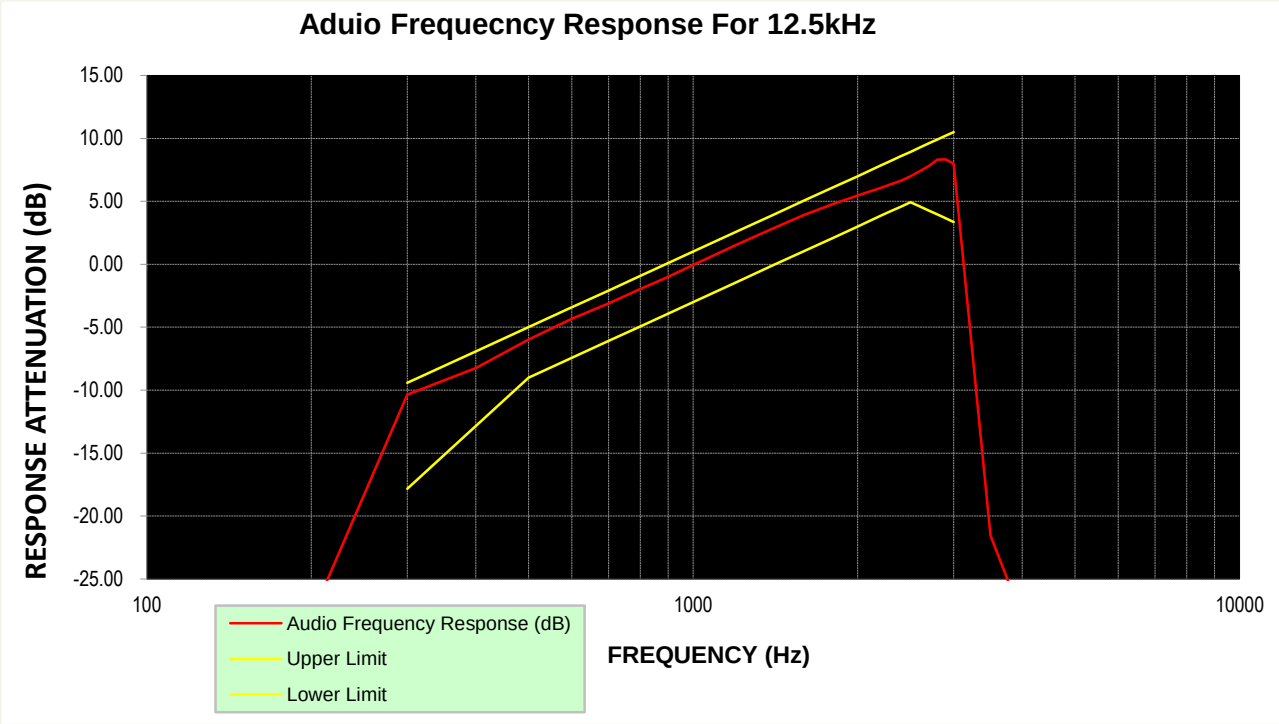


Appendix E:Aduio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH_{M2}	100	-27.80			PASS
TX-ANH	FM	CH_{M2}	200	-28.05			PASS
TX-ANH	FM	CH_{M2}	300	-10.36	-17.84	-9.42	PASS
TX-ANH	FM	CH_{M2}	400	-8.24	-12.86	-6.93	PASS
TX-ANH	FM	CH_{M2}	500	-5.99	-9.00	-5.00	PASS
TX-ANH	FM	CH_{M2}	600	-4.34	-7.42	-3.42	PASS
TX-ANH	FM	CH_{M2}	700	-3.12	-6.09	-2.09	PASS
TX-ANH	FM	CH_{M2}	800	-1.96	-4.93	-0.93	PASS
TX-ANH	FM	CH_{M2}	900	-0.99	-3.91	0.09	PASS
TX-ANH	FM	CH_{M2}	1000	-0.05	-3.00	1.00	PASS
TX-ANH	FM	CH_{M2}	1200	1.54	-1.42	2.58	PASS
TX-ANH	FM	CH_{M2}	1400	2.85	-0.09	3.91	PASS
TX-ANH	FM	CH_{M2}	1600	3.94	1.07	5.07	PASS
TX-ANH	FM	CH_{M2}	1800	4.77	2.09	6.09	PASS
TX-ANH	FM	CH_{M2}	2000	5.46	3.00	7.00	PASS
TX-ANH	FM	CH_{M2}	2100	5.76	3.42	7.42	PASS
TX-ANH	FM	CH_{M2}	2200	6.04	3.83	7.83	PASS
TX-ANH	FM	CH_{M2}	2300	6.35	4.21	8.21	PASS
TX-ANH	FM	CH_{M2}	2400	6.64	4.58	8.58	PASS
TX-ANH	FM	CH_{M2}	2500	7.00	4.93	8.93	PASS
TX-ANH	FM	CH_{M2}	2600	7.40	4.59	9.27	PASS
TX-ANH	FM	CH_{M2}	2700	7.81	4.27	9.60	PASS
TX-ANH	FM	CH_{M2}	2800	8.32	3.95	9.91	PASS
TX-ANH	FM	CH_{M2}	2900	8.34	3.65	10.22	PASS
TX-ANH	FM	CH_{M2}	3000	7.98	3.35	10.51	PASS
TX-ANH	FM	CH_{M2}	3500	-21.54			PASS
TX-ANH	FM	CH_{M2}	4000	-28.07			PASS
TX-ANH	FM	CH_{M2}	4500	-27.97			PASS
TX-ANH	FM	CH_{M2}	5000	-27.91			PASS

Appendix E:Aduio Frequency Response

TEST PLOT RESULT



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

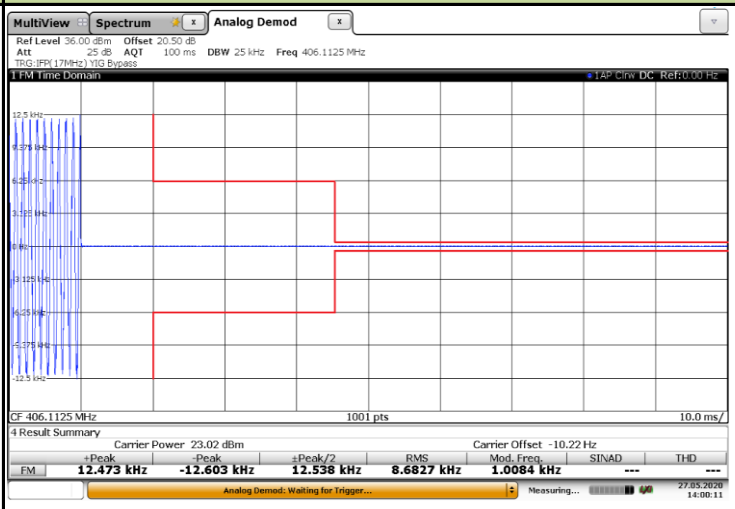
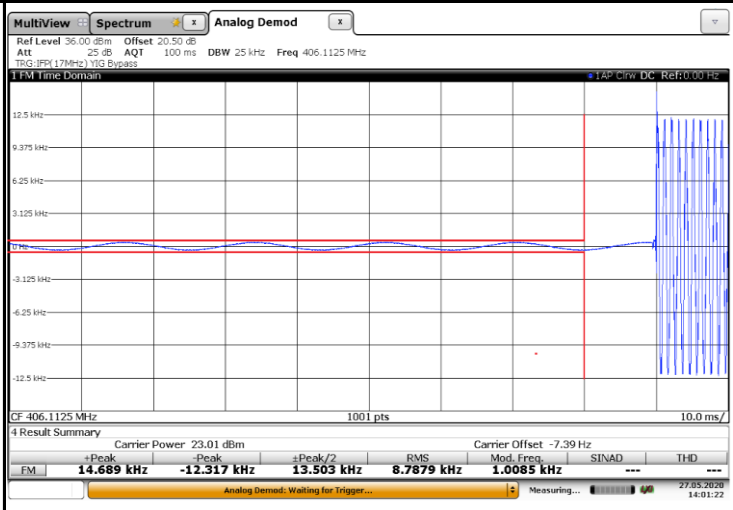
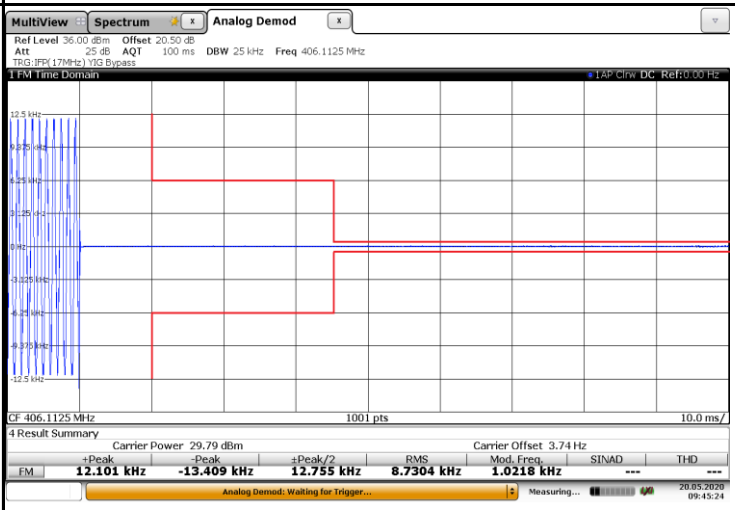
Appendix F:Frequency Stability Test & Temperature

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	0.114	0.134	0.129	0.104	0.125	±5.0	PASS
TX-DNH	4FSK	V_N	-20	0.099	0.116	0.112	0.087	0.106	±5.0	PASS
TX-DNH	4FSK	V_N	-10	0.083	0.101	0.092	0.075	0.087	±5.0	PASS
TX-DNH	4FSK	V_N	0	0.064	0.086	0.076	0.065	0.077	±5.0	PASS
TX-DNH	4FSK	V_N	10	0.050	0.068	0.056	0.055	0.060	±5.0	PASS
TX-DNH	4FSK	V_N	20	0.035	0.054	0.038	0.034	0.042	±5.0	PASS
TX-DNH	4FSK	V_N	30	0.055	0.065	0.052	0.049	0.059	±5.0	PASS
TX-DNH	4FSK	V_N	40	0.072	0.085	0.071	0.059	0.077	±5.0	PASS
TX-DNH	4FSK	V_N	50	0.088	0.096	0.088	0.078	0.092	±5.0	PASS
TX-DNL	4FSK	V_N	-30	0.105	0.120	0.121	0.114	0.124	±5.0	PASS
TX-DNL	4FSK	V_N	-20	0.090	0.104	0.111	0.095	0.105	±5.0	PASS
TX-DNL	4FSK	V_N	-10	0.075	0.093	0.091	0.080	0.085	±5.0	PASS
TX-DNL	4FSK	V_N	0	0.065	0.073	0.073	0.062	0.069	±5.0	PASS
TX-DNL	4FSK	V_N	10	0.048	0.056	0.053	0.051	0.055	±5.0	PASS
TX-DNL	4FSK	V_N	20	0.034	0.031	0.038	0.030	0.039	±5.0	PASS
TX-DNL	4FSK	V_N	30	0.045	0.042	0.052	0.043	0.054	±5.0	PASS
TX-DNL	4FSK	V_N	40	0.064	0.057	0.069	0.057	0.064	±5.0	PASS
TX-DNL	4FSK	V_N	50	0.080	0.071	0.079	0.075	0.077	±5.0	PASS
TX-ANH	FM	V_N	-30	0.350	0.395	0.373	0.385	0.354	±5.0	PASS
TX-ANH	FM	V_N	-20	0.332	0.375	0.361	0.374	0.337	±5.0	PASS
TX-ANH	FM	V_N	-10	0.320	0.357	0.343	0.357	0.318	±5.0	PASS
TX-ANH	FM	V_N	0	0.307	0.343	0.332	0.338	0.302	±5.0	PASS
TX-ANH	FM	V_N	10	0.291	0.333	0.318	0.322	0.285	±5.0	PASS
TX-ANH	FM	V_N	20	0.273	0.312	0.298	0.303	0.261	±5.0	PASS
TX-ANH	FM	V_N	30	0.288	0.322	0.317	0.318	0.271	±5.0	PASS
TX-ANH	FM	V_N	40	0.305	0.342	0.332	0.331	0.291	±5.0	PASS
TX-ANH	FM	V_N	50	0.324	0.356	0.346	0.347	0.305	±5.0	PASS
TX-ANL	FM	V_N	-30	0.343	0.351	0.364	0.347	0.334	±5.0	PASS
TX-ANL	FM	V_N	-20	0.325	0.339	0.354	0.334	0.321	±5.0	PASS
TX-ANL	FM	V_N	-10	0.313	0.326	0.339	0.321	0.305	±5.0	PASS
TX-ANL	FM	V_N	0	0.297	0.314	0.321	0.311	0.287	±5.0	PASS
TX-ANL	FM	V_N	10	0.279	0.295	0.302	0.295	0.277	±5.0	PASS
TX-ANL	FM	V_N	20	0.269	0.280	0.287	0.284	0.254	±5.0	PASS
TX-ANL	FM	V_N	30	0.280	0.296	0.304	0.295	0.274	±5.0	PASS
TX-ANL	FM	V_N	40	0.297	0.309	0.319	0.306	0.289	±5.0	PASS
TX-ANL	FM	V_N	50	0.311	0.319	0.334	0.323	0.308	±5.0	PASS

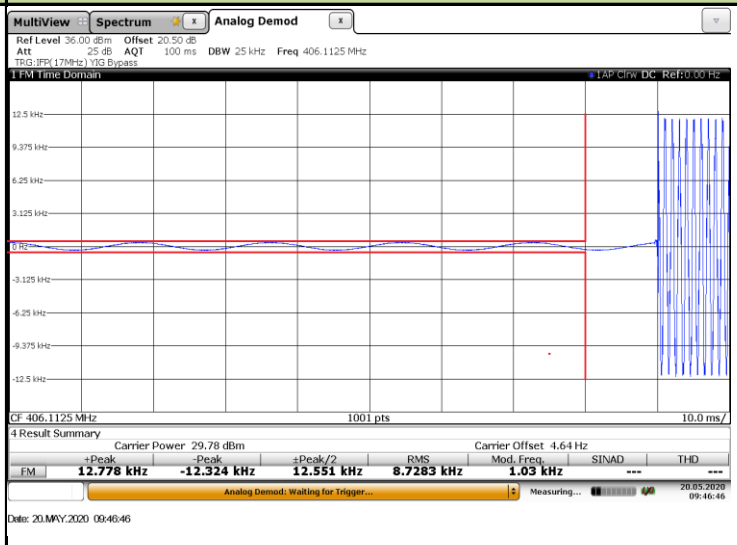
Appendix G:Frequency Stability Test & Voltage

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	0.035	0.054	0.038	0.034	0.042	±5.0	PASS
TX-DNH	4FSK	V_L	T_N	0.073	0.090	0.075	0.081	0.079	±5.0	PASS
TX-DNH	4FSK	V_H	T_N	0.055	0.074	0.067	0.067	0.061	±5.0	PASS
TX-DNL	4FSK	V_N	T_N	0.034	0.031	0.038	0.030	0.039	±5.0	PASS
TX-DNL	4FSK	V_L	T_N	0.075	0.073	0.079	0.080	0.089	±5.0	PASS
TX-DNL	4FSK	V_H	T_N	0.068	0.065	0.062	0.048	0.058	±5.0	PASS
TX-ANH	FM	V_N	T_N	0.273	0.312	0.298	0.303	0.261	±5.0	PASS
TX-ANH	FM	V_L	T_N	0.320	0.347	0.337	0.352	0.297	±5.0	PASS
TX-ANH	FM	V_H	T_N	0.305	0.336	0.325	0.328	0.283	±5.0	PASS
TX-ANL	FM	V_N	T_N	0.269	0.280	0.287	0.284	0.254	±5.0	PASS
TX-ANL	FM	V_L	T_N	0.311	0.320	0.327	0.334	0.296	±5.0	PASS
TX-ANL	FM	V_H	T_N	0.299	0.308	0.306	0.306	0.288	±5.0	PASS

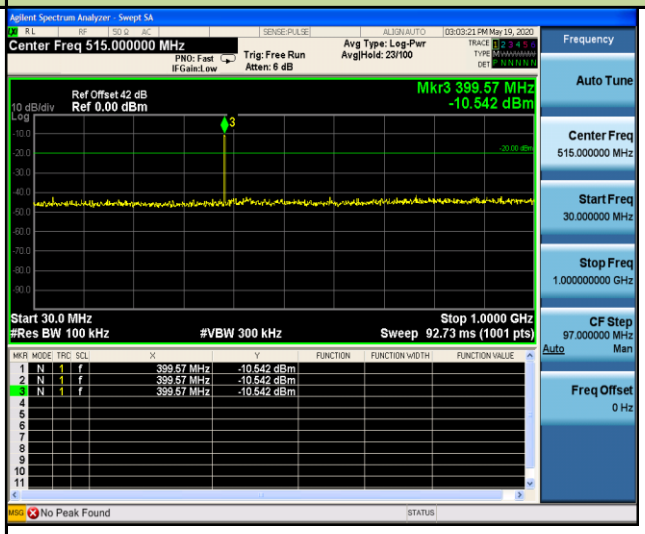
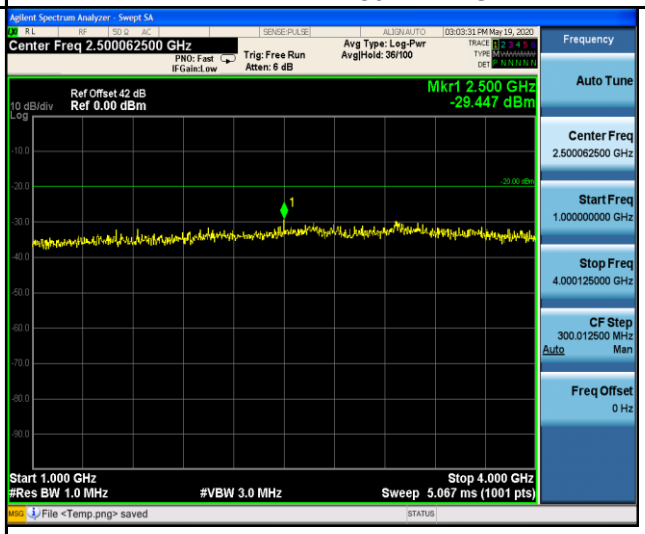
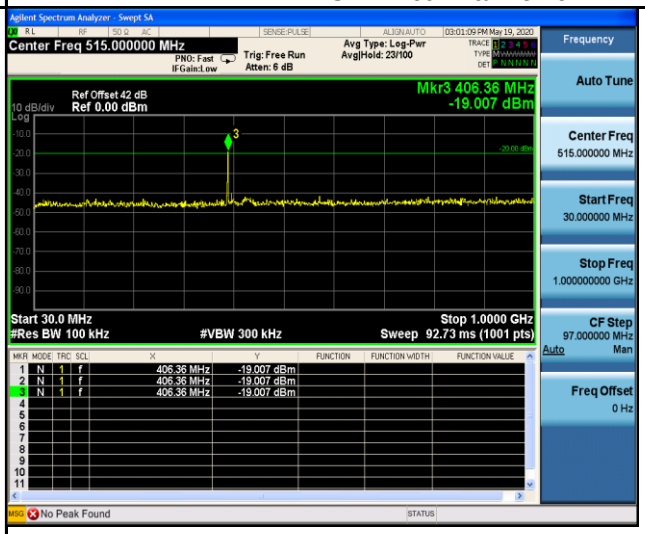
Appendix H:Transmitter Frequency Behavior

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

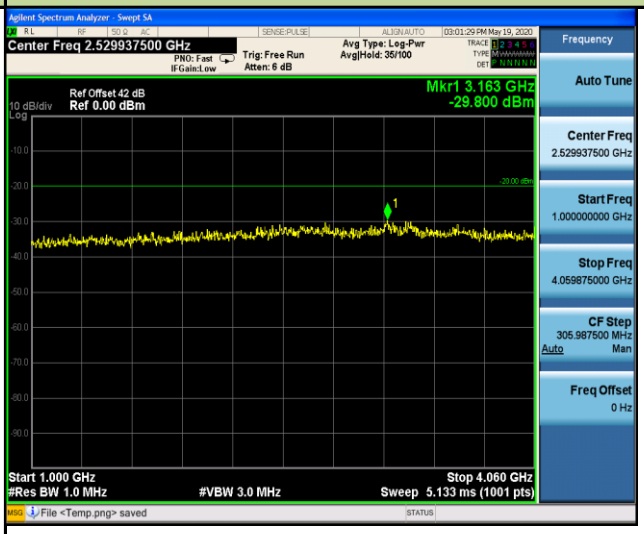
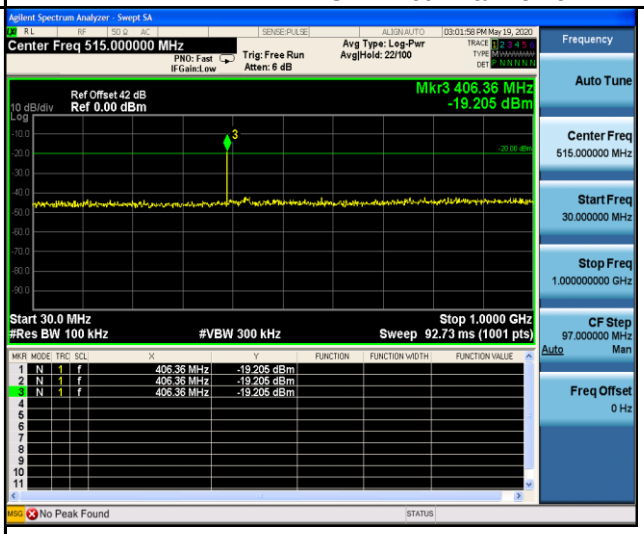
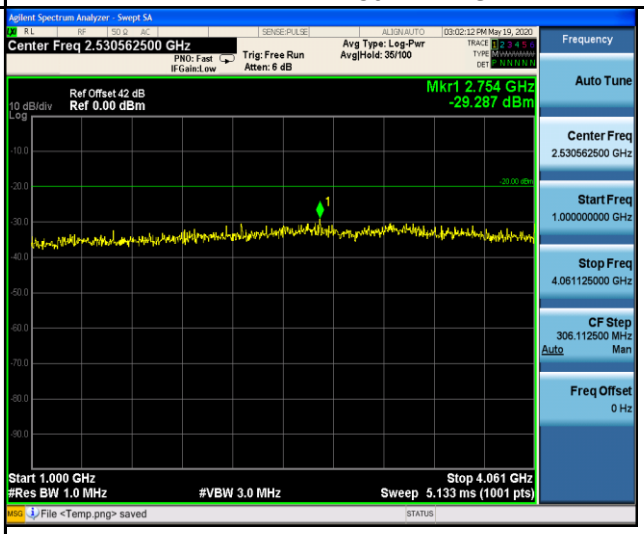
Appendix H:Transmitter Frequency Behavior

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

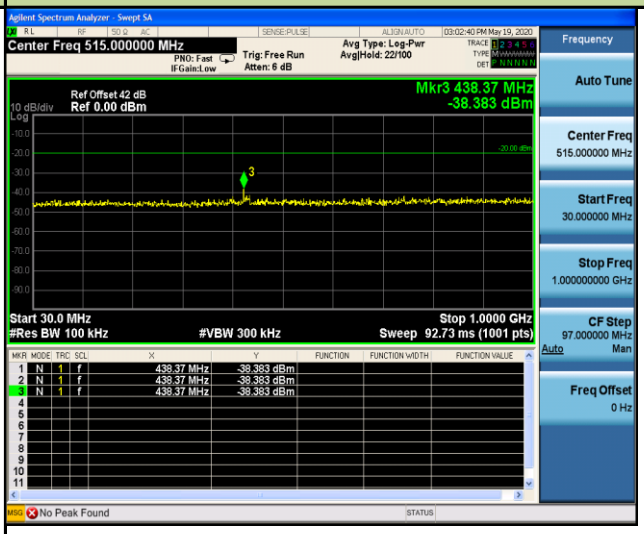
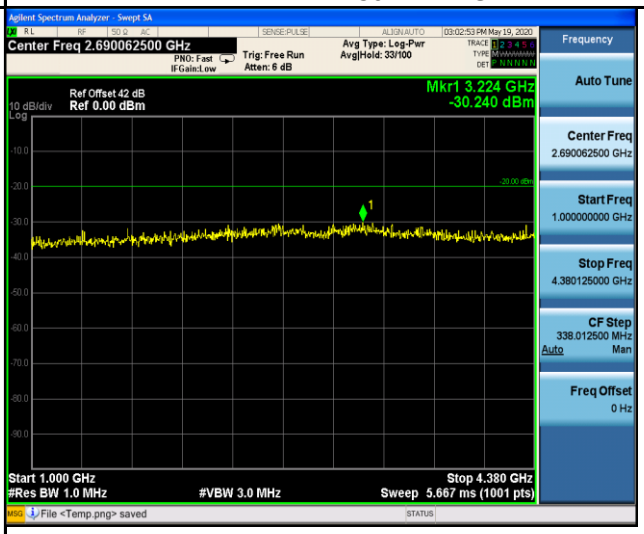
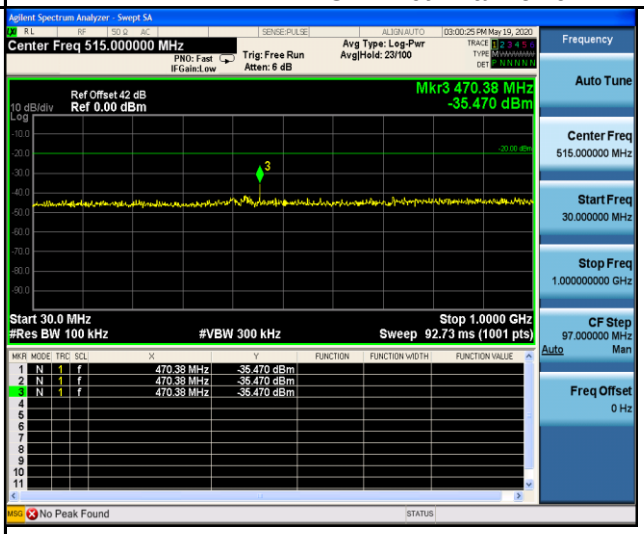
Appendix I:Spurious Emission On Antenna Port

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

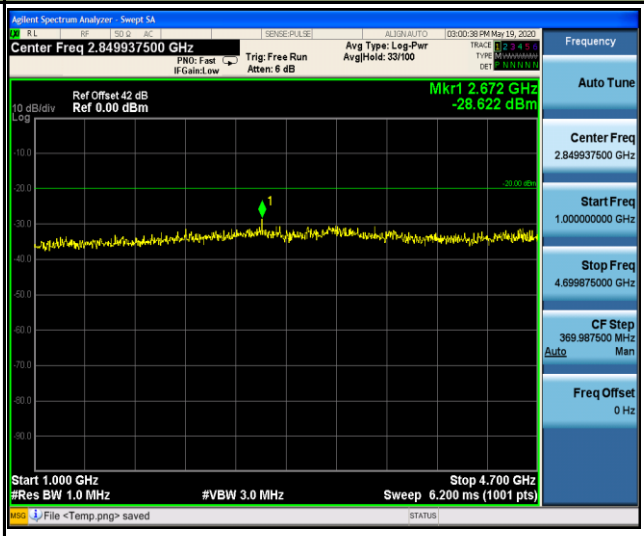
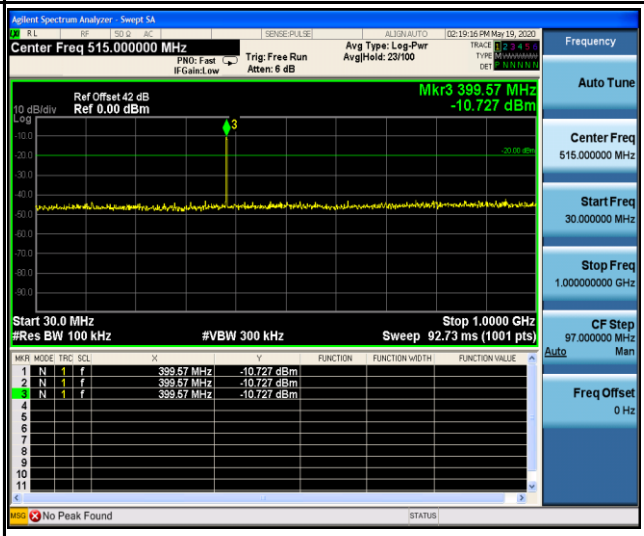
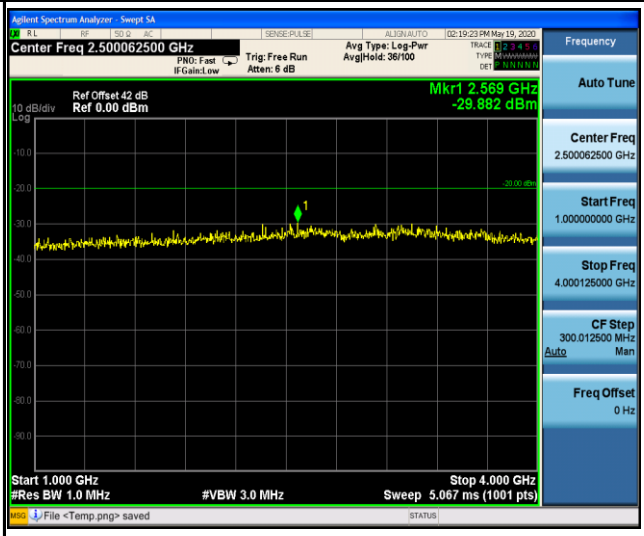
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{M1}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH_{M2}	 30MHz~1GHz
TX-DNH	4FSK	CH_{M2}	 1GHz~10th Harmonic

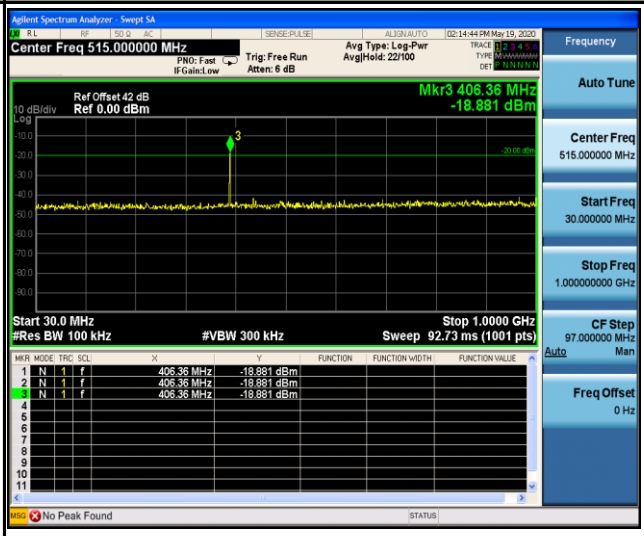
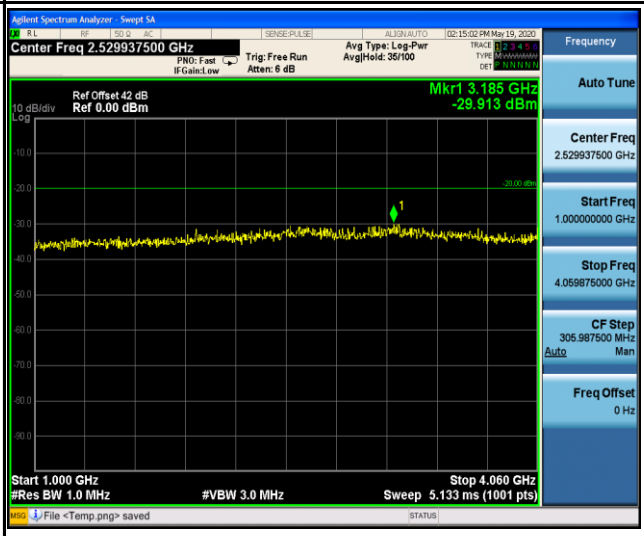
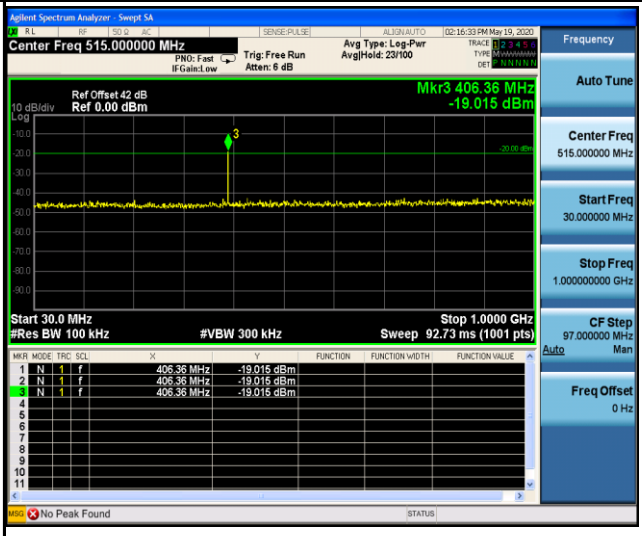
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{M3}	 30MHz~1GHz
TX-DNH	4FSK	CH_{M3}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH_{H}	 30MHz~1GHz

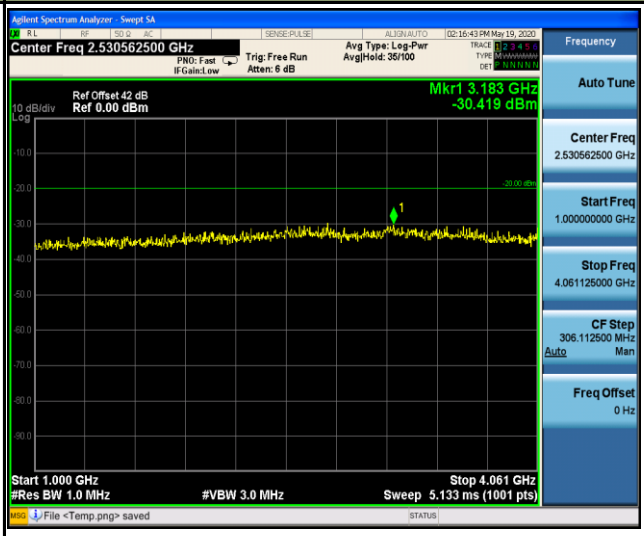
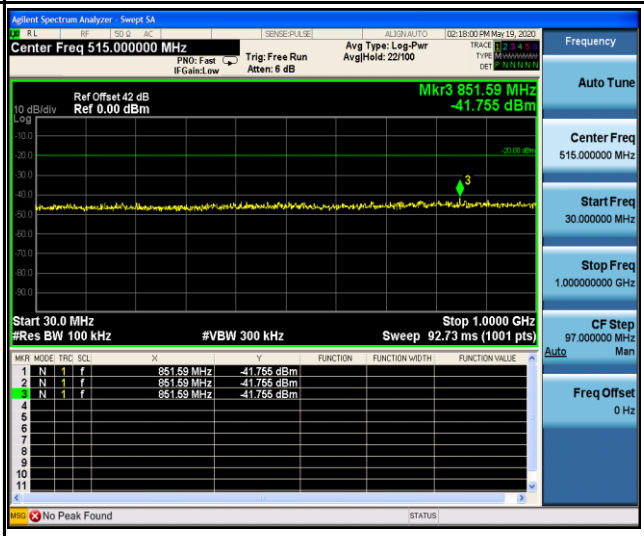
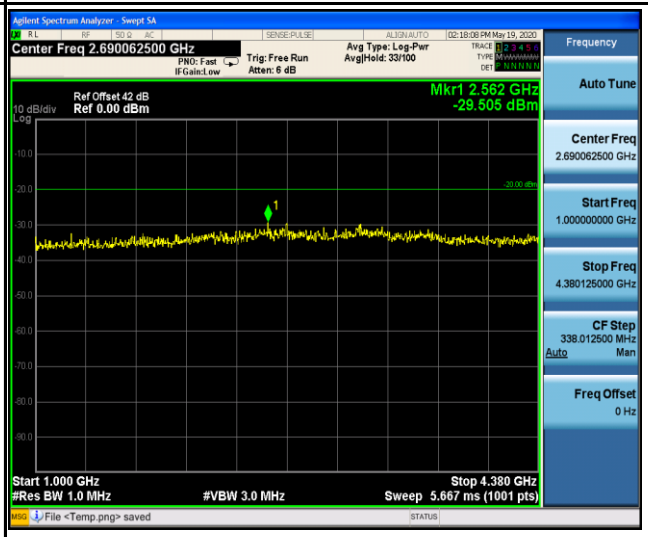
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_H	 1GHz~10th Harmonic
TX-ANH	FM	CH_L	 30MHz~1GHz
TX-ANH	FM	CH_L	 1GHz~10th Harmonic

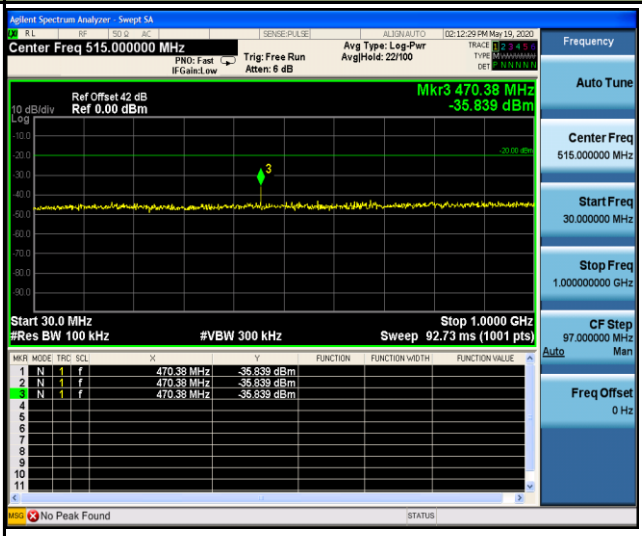
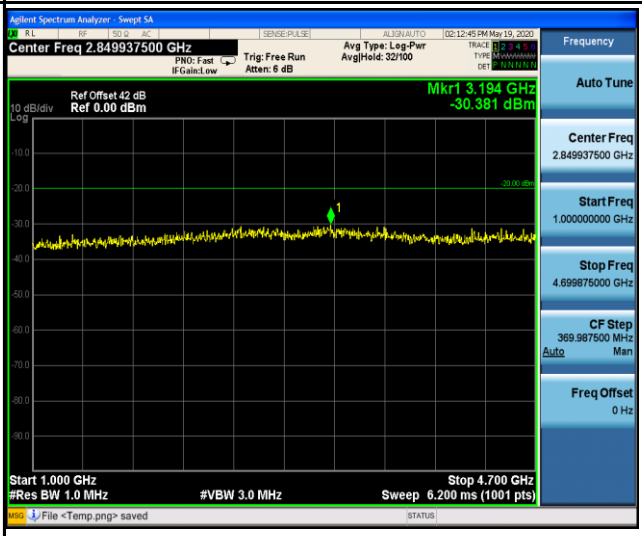
Appendix I:Spurious Emission On Antenna Port

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

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH_{M2}	 1GHz~10th Harmonic
TX-ANH	FM	CH_{M3}	 30MHz~1GHz
TX-ANH	FM	CH_{M3}	 1GHz~10th Harmonic

Appendix I:Spurious Emission On Antenna Port

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

----End of Report----