Appendix F:Frequency Stability Test & Temperature for VHF Band

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH_L	CH_M	CH_H		
TX-DNH	4FSK	V_N	-30	0.100	0.107	**0.117**	±5.0	PASS
TX-DNH	4FSK	V_N	-20	0.088	0.094	0.100	±5.0	PASS
TX-DNH	4FSK	V_N	-10	0.079	0.089	0.091	±5.0	PASS
TX-DNH	4FSK	V_N	0	0.075	0.079	0.085	±5.0	PASS
TX-DNH	4FSK	V_N	10	0.055	0.056	0.069	±5.0	PASS
TX-DNH	4FSK	V_N	20	0.034	0.037	0.039	±5.0	PASS
TX-DNH	4FSK	V_N	30	0.035	0.039	0.040	±5.0	PASS
TX-DNH	4FSK	V_N	40	0.053	0.059	0.061	±5.0	PASS
TX-DNH	4FSK	V_N	55	0.070	0.077	0.082	±5.0	PASS
TX-DNL	4FSK	V_N	-30	0.061	0.038	-0.090	±5.0	PASS
TX-DNL	4FSK	V_N	-20	0.055	0.031	-0.070	±5.0	PASS
TX-DNL	4FSK	V_N	-10	0.046	0.027	-0.073	±5.0	PASS
TX-DNL	4FSK	V_N	0	0.025	0.016	-0.064	±5.0	PASS
TX-DNL	4FSK	V_N	10	0.022	0.014	-0.052	±5.0	PASS
TX-DNL	4FSK	V_N	20	0.013	0.008	-0.032	±5.0	PASS
TX-DNL	4FSK	V_N	30	0.022	0.014	-0.055	±5.0	PASS
TX-DNL	4FSK	V_N	40	0.047	0.028	-0.072	±5.0	PASS
TX-DNL	4FSK	V_N	55	0.060	0.034	-0.085	±5.0	PASS

Appendix F:Frequency Stability Test & Temperature for UHF Band

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH_{L1}	CH_{M1}	CH_{M2}	CH_{M3}	CH_{H1}		
TX-DNH	4FSK	V_N	-30	0.138	0.115	0.171	0.222	0.108	±5.0	PASS
TX-DNH	4FSK	V_N	-20	0.112	0.102	0.145	0.184	0.090	±5.0	PASS
TX-DNH	4FSK	V_N	-10	0.109	0.094	0.135	0.174	0.084	±5.0	PASS
TX-DNH	4FSK	V_N	0	0.091	0.081	0.116	0.149	0.072	±5.0	PASS
TX-DNH	4FSK	V_N	10	0.082	0.073	0.104	0.134	0.064	±5.0	PASS
TX-DNH	4FSK	V_N	20	0.078	0.069	0.099	0.127	0.061	±5.0	PASS
TX-DNH	4FSK	V_N	30	0.080	0.072	0.109	0.130	0.061	±5.0	PASS
TX-DNH	4FSK	V_N	40	0.144	0.135	0.197	0.152	0.107	±5.0	PASS
TX-DNH	4FSK	V_N	55	0.147	0.126	0.170	0.239	0.106	±5.0	PASS
TX-DNL	4FSK	V_N	-30	0.079	**0.332**	0.234	0.264	0.194	±5.0	PASS
TX-DNL	4FSK	V_N	-20	0.072	0.303	0.207	0.237	0.180	±5.0	PASS
TX-DNL	4FSK	V_N	-10	0.049	0.204	0.139	0.162	0.114	±5.0	PASS
TX-DNL	4FSK	V_N	0	0.042	0.163	0.116	0.140	0.099	±5.0	PASS
TX-DNL	4FSK	V_N	10	0.030	0.133	0.091	0.096	0.074	±5.0	PASS
TX-DNL	4FSK	V_N	20	0.018	0.074	0.051	0.059	0.043	±5.0	PASS
TX-DNL	4FSK	V_N	30	0.022	0.132	0.088	0.103	0.047	±5.0	PASS
TX-DNL	4FSK	V_N	40	0.047	0.204	0.139	0.162	0.118	±5.0	PASS
TX-DNL	4FSK	V_N	55	0.068	0.271	0.174	0.216	0.152	±5.0	PASS

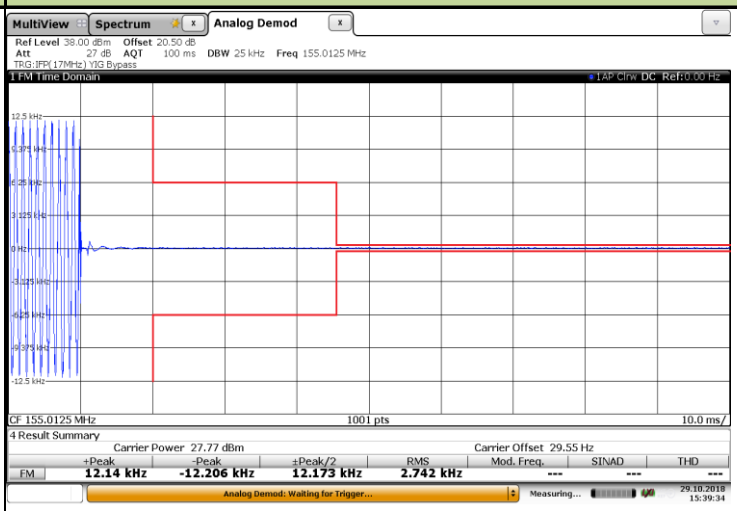
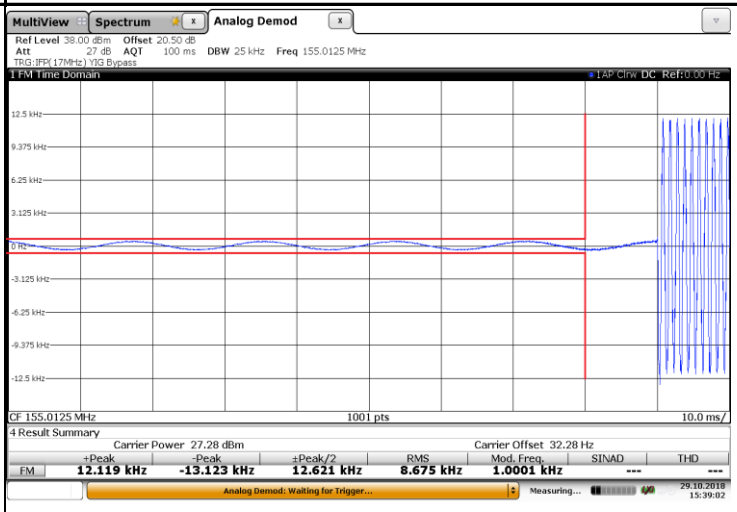
Appendix G:Frequency Stability Test & Voltage for VHF Band

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH_L	CH_M	CH_H		
TX-DNH	4FSK	V_N	T_N	0.034	0.037	0.039	±5.0	PASS
TX-DNH	4FSK	V_L	T_N	0.050	0.053	**0.062**	±5.0	PASS
TX-DNH	4FSK	V_H	T_N	0.052	0.038	0.040	±5.0	PASS
TX-DNL	4FSK	V_N	T_N	0.013	0.008	-0.032	±5.0	PASS
TX-DNL	4FSK	V_L	T_N	**0.022**	0.014	-0.055	±5.0	PASS
TX-DNL	4FSK	V_H	T_N	0.021	0.012	-0.048	±5.0	PASS

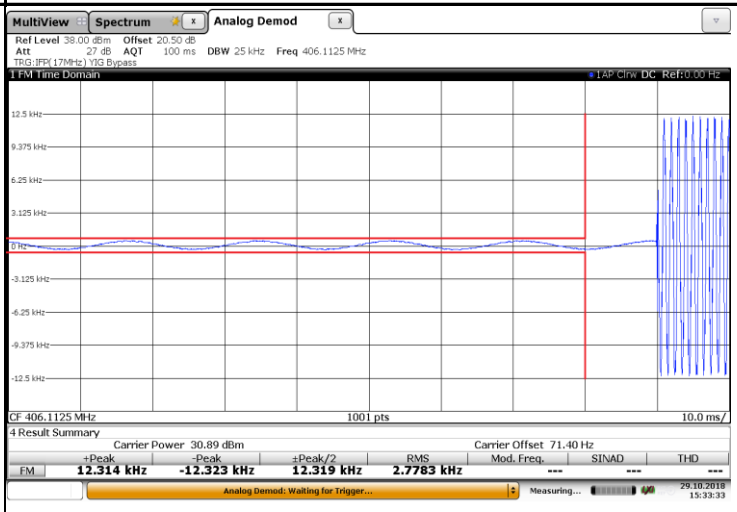
Appendix G:Frequency Stability Test & Voltage for UHF Band

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)					Limit (ppm)	Result
		Voltage	Temperature	CH_{L1}	CH_{M1}	CH_{M2}	CH_{M3}	CH_{H1}		
TX-DNH	4FSK	V_N	T_N	0.078	0.069	0.099	0.127	0.061	±5.0	PASS
TX-DNH	4FSK	V_L	T_N	0.095	0.086	0.125	**0.156**	0.075	±5.0	PASS
TX-DNH	4FSK	V_H	T_N	0.098	0.073	0.102	0.129	0.063	±5.0	PASS
TX-DNL	4FSK	V_N	T_N	0.018	0.074	0.051	0.059	0.043	±5.0	PASS
TX-DNL	4FSK	V_L	T_N	0.024	**0.099**	0.069	0.081	0.060	±5.0	PASS
TX-DNL	4FSK	V_H	T_N	0.023	0.097	0.067	0.075	0.056	±5.0	PASS

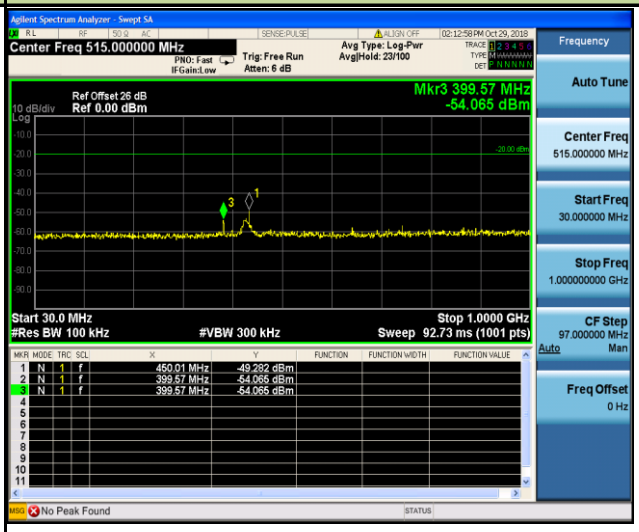
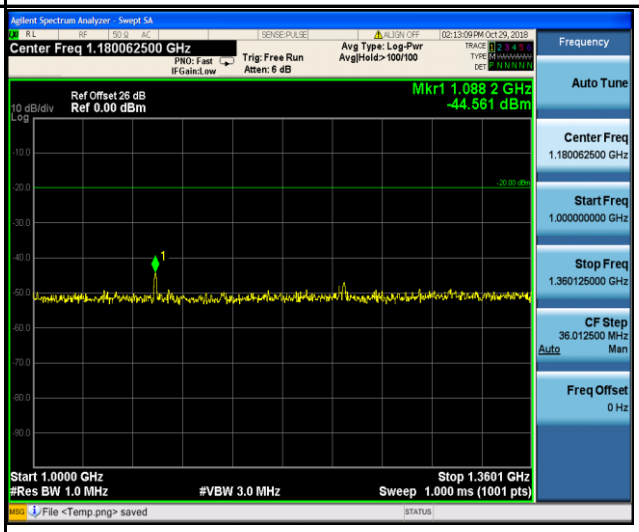
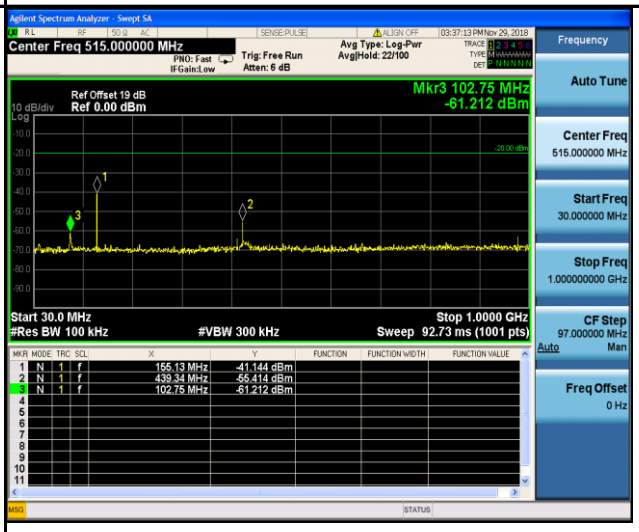
Appendix H:Transmitter Frequency Behavior for VHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CHM	 OFF~ON
TX-DNH	4FSK	CHM	 ON-OFF

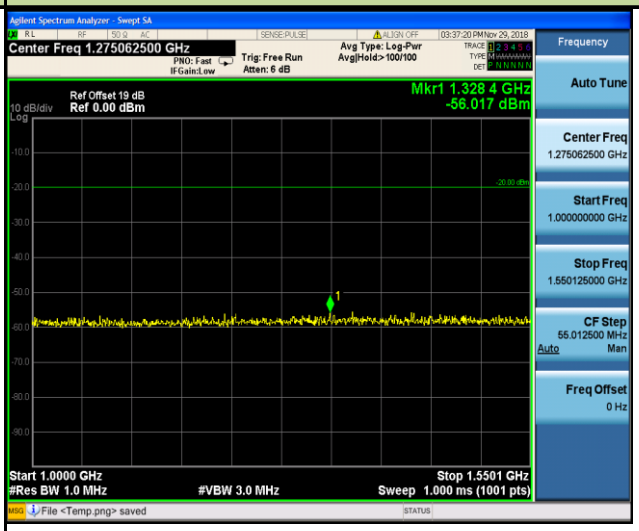
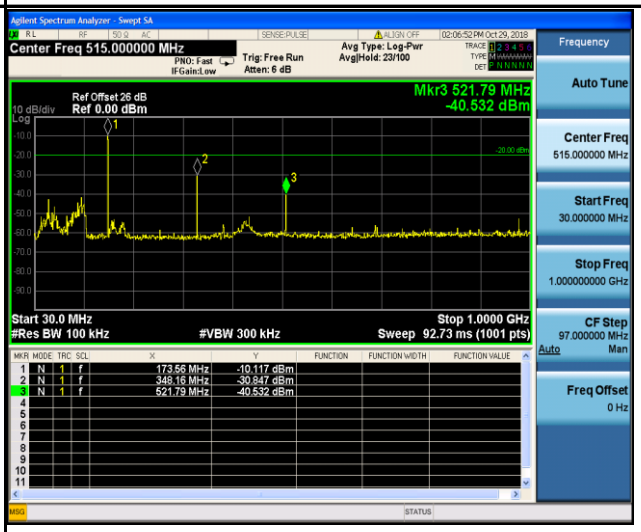
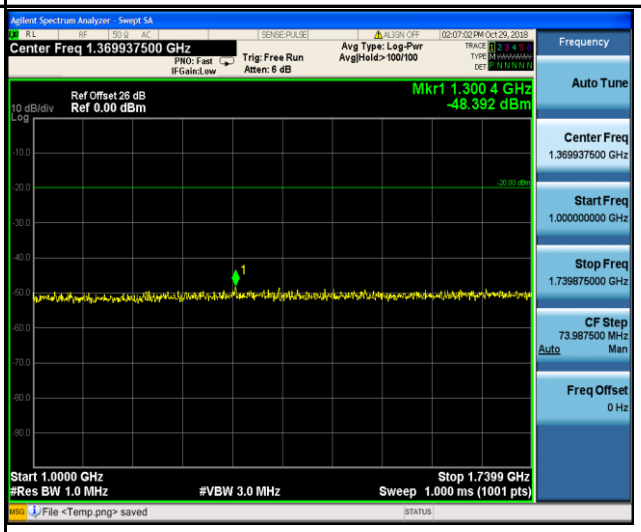
Appendix H:Transmitter Frequency Behavior for UHF Band

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

Appendix I:Spurious Emission On Antenna Port for VHF Band

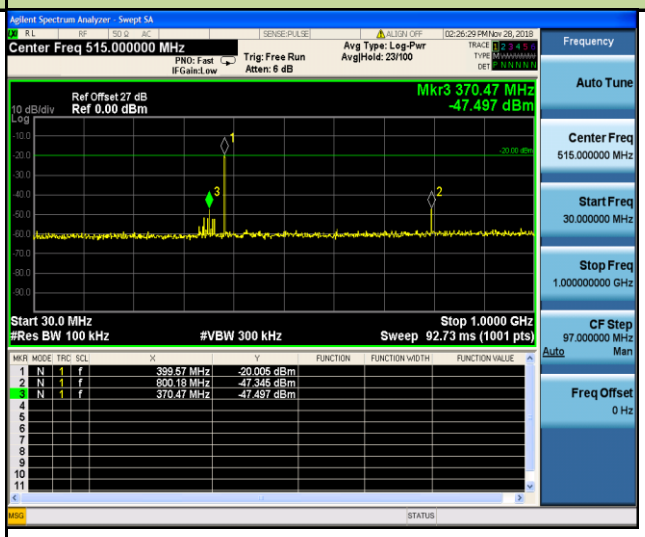
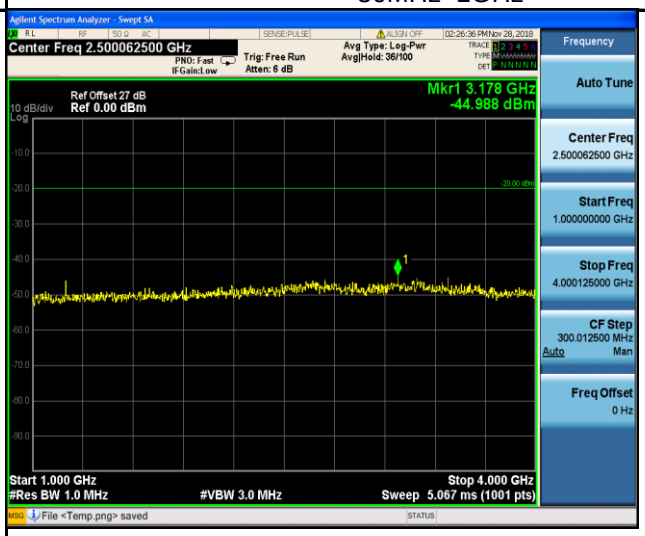
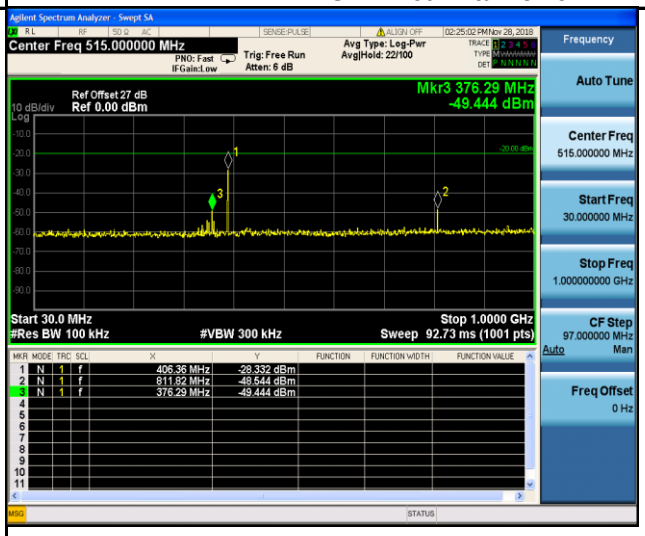
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_L	 30MHz~1GHz
TX-DNH	4FSK	CH_L	 1GHz~10th Harmonic
TX-DNH	4FSK	CH_M	 30MHz~1GHz

Appendix I:Spurious Emission On Antenna Port for VHF Band

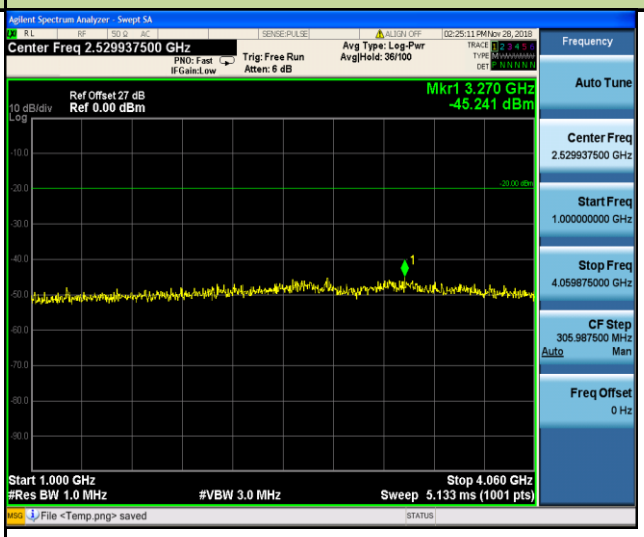
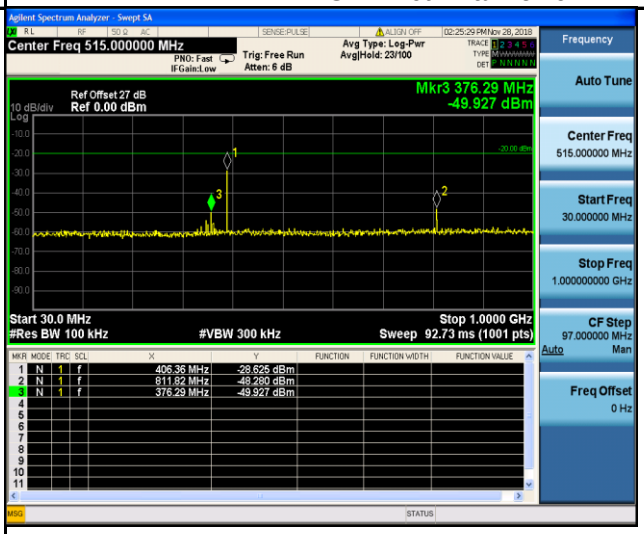
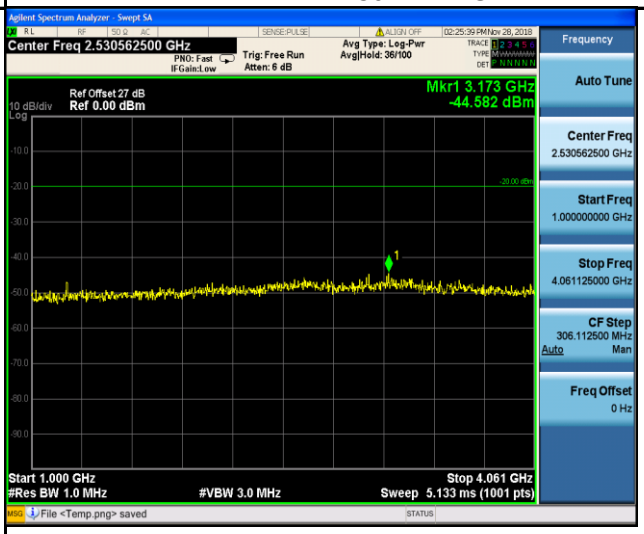
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_M	 1GHz~10th Harmonic
TX-DNH	4FSK	CH_H	 30MHz~1GHz
TX-DNH	4FSK	CH_H	 1GHz~10th Harmonic

----End of Report----

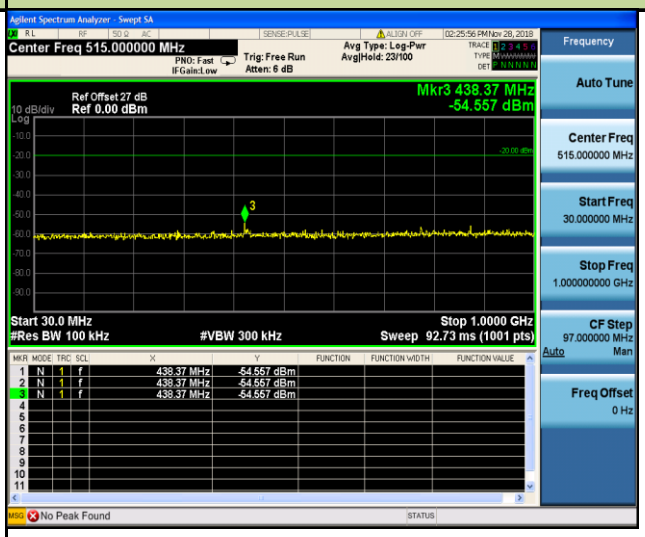
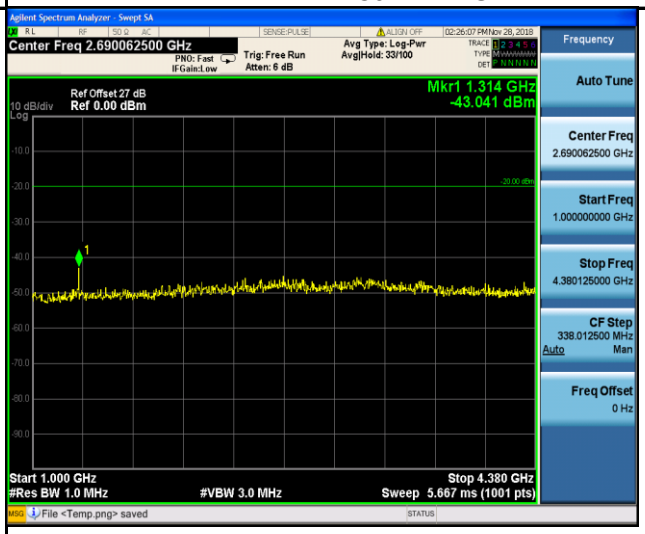
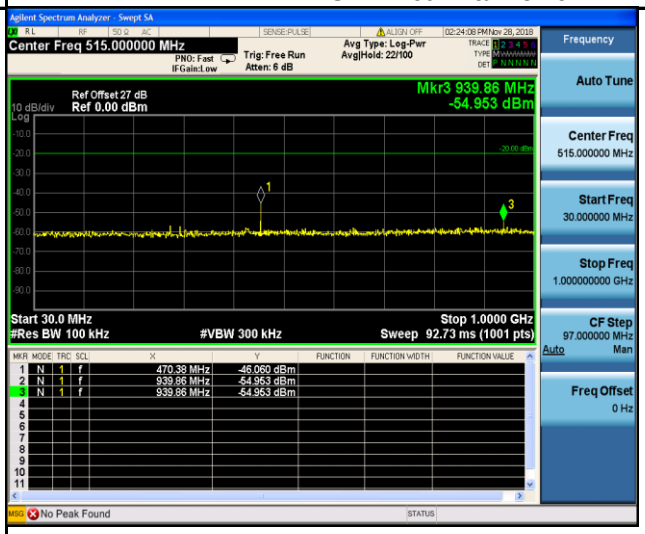
Appendix I:Spurious Emission On Antenna Port for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{L1}	 30MHz~1GHz
TX-DNH	4FSK	CH_{L1}	 1GHz~10th Harmonic
TX-DNH	4FSK	CH_{M1}	 30MHz~1GHz

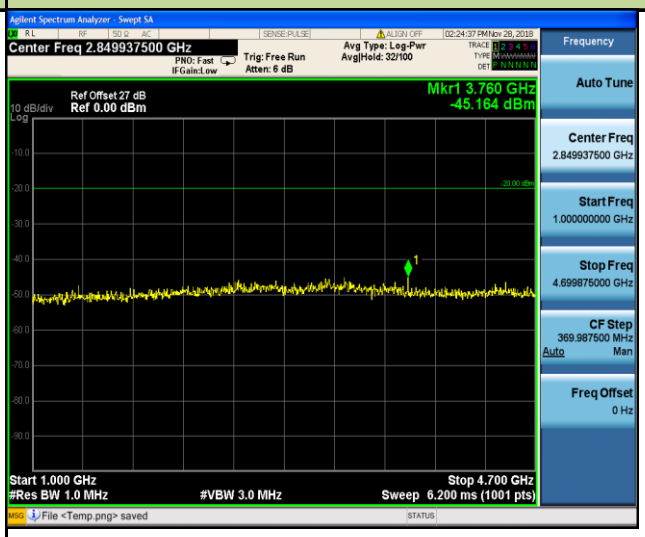
Appendix I:Spurious Emission On Antenna Port for UHF Band

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 for UHF Band

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_{H1}	 30MHz~1GHz

Appendix I:Spurious Emission On Antenna Port for UHF Band

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH_{H1}	 1GHz~10th Harmonic

----End of Report----