



Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None</p> <p>Ref Offset 43 dB Ref 42.0 dBm</p> <p>Total Power Ref 37.41 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>23.68</td> <td>(-14.56)</td> <td>0.0</td> <td>37.40</td> <td>(-0.84)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.84</td> <td>(2.54)</td> <td>-12.10 k</td> <td>-34.91</td> <td>(-3.16)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-35.01</td> <td>(15.01)</td> <td>-12.90 k</td> <td>-34.27</td> <td>(-14.27)</td> <td>13.10 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	23.68	(-14.56)	0.0	37.40	(-0.84)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-32.84	(2.54)	-12.10 k	-34.91	(-3.16)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.01	(15.01)	-12.90 k	-34.27	(-14.27)	13.10 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	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _L	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None</p> <p>Ref Offset 42 dB Ref 36.0 dBm</p> <p>Total Power Ref 30.07 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.53</td> <td>(-10.30)</td> <td>0.0</td> <td>29.98</td> <td>(-1.85)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-42.54</td> <td>(2.79)</td> <td>-12.50 k</td> <td>-42.42</td> <td>(3.17)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.71</td> <td>(20.71)</td> <td>-13.15 k</td> <td>-39.45</td> <td>(-19.45)</td> <td>18.40 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	21.53	(-10.30)	0.0	29.98	(-1.85)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.54	(2.79)	-12.50 k	-42.42	(3.17)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.71	(20.71)	-13.15 k	-39.45	(-19.45)	18.40 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	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz Center Freq: 406.112500 MHz Radio Std: None</p> <p>Ref Offset 42 dB Ref 36.0 dBm</p> <p>Total Power Ref 30.01 dBm @ 0.125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Peak Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Upper Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>19.14</td> <td>(-12.68)</td> <td>0.0</td> <td>29.99</td> <td>(-1.83)</td> <td>100.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-41.04</td> <td>(2.88)</td> <td>-12.30 k</td> <td>-41.71</td> <td>(-3.54)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-40.13</td> <td>(20.13)</td> <td>-15.35 k</td> <td>-40.88</td> <td>(20.88)</td> <td>19.35 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>-</td> <td>(-)</td> <td>-</td> <td>-</td> <td>(-)</td> <td>-</td> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak Freq (Hz)	dBm	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	19.14	(-12.68)	0.0	29.99	(-1.83)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.04	(2.88)	-12.30 k	-41.71	(-3.54)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.13	(20.13)	-15.35 k	-40.88	(20.88)	19.35 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	-	(-)	-	-	(-)	-
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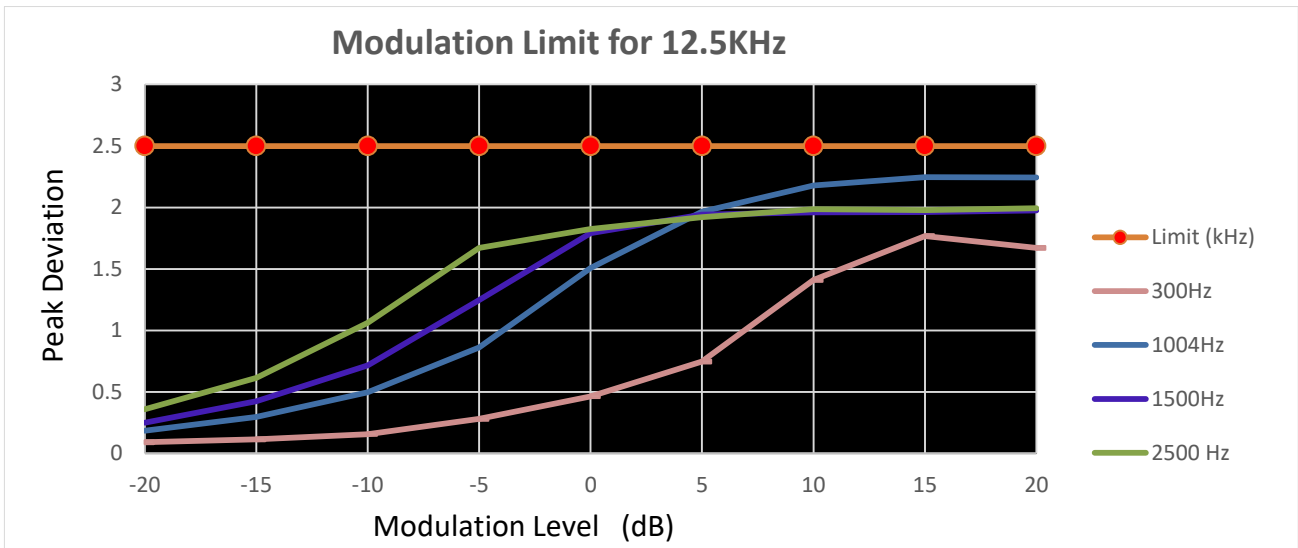
Appendix D:Modulation Limit

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



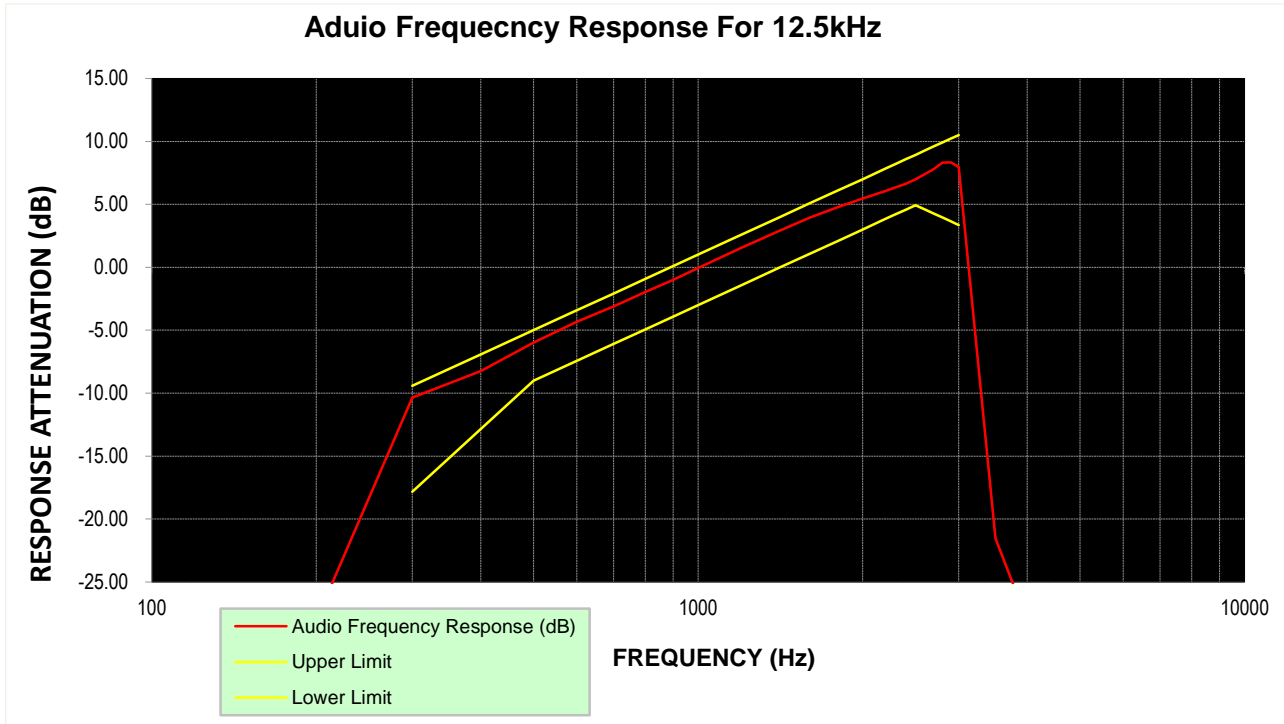
**Appendix E:Audio Frequency Response**

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-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: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	0.114	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}	<p>4 Result Summary</p> <table border="1"> <thead> <tr> <th colspan="2">Carrier Power</th> <th colspan="2">Carrier Offset</th> <th colspan="2">Mod. Freq.</th> <th>SINAD</th> <th>THD</th> </tr> <tr> <th>+Peak</th> <th>-Peak</th> <th>+Peak/2</th> <th>RMS</th> <th>Mod. Freq.</th> <th>Mod. Freq.</th> <th>---</th> <th>---</th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>12.473 kHz</td> <td>-12.603 kHz</td> <td>12.538 kHz</td> <td>8.6827 kHz</td> <td>1.0084 kHz</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>OFF-ON</p>	Carrier Power		Carrier Offset		Mod. Freq.		SINAD	THD	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	Mod. Freq.	---	---	FM	12.473 kHz	-12.603 kHz	12.538 kHz	8.6827 kHz	1.0084 kHz	---	---
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TX-ANH	FM	CH _{M2}	<p>4 Result Summary</p> <table border="1"> <thead> <tr> <th colspan="2">Carrier Power</th> <th colspan="2">Carrier Offset</th> <th colspan="2">Mod. Freq.</th> <th>SINAD</th> <th>THD</th> </tr> <tr> <th>+Peak</th> <th>-Peak</th> <th>+Peak/2</th> <th>RMS</th> <th>Mod. Freq.</th> <th>Mod. Freq.</th> <th>---</th> <th>---</th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>12.101 kHz</td> <td>-13.409 kHz</td> <td>12.755 kHz</td> <td>8.7304 kHz</td> <td>1.0218 kHz</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>OFF~ON</p>	Carrier Power		Carrier Offset		Mod. Freq.		SINAD	THD	+Peak	-Peak	+Peak/2	RMS	Mod. Freq.	Mod. Freq.	---	---	FM	12.101 kHz	-13.409 kHz	12.755 kHz	8.7304 kHz	1.0218 kHz	---	---
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Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M2}	<p> Result Summary Carrier Power: 29.78 dBm Carrier Offset: 4.64 Hz +Peak: 12.778 kHz -Peak: -12.324 kHz ±Peak/2: 12.551 kHz RMS: 8.7283 kHz Mod. Freq.: 1.03 kHz </p> <p>ON-OFF</p>



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																
TX-DNH	4FSK	CHL	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr3 399.57 MHz -10.542 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>f</td> <td>399.57 MHz</td> <td>-10.542 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td>399.57 MHz</td> <td>-10.542 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td>399.57 MHz</td> <td>-10.542 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>30MHz~1GHz</p>	MKR MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f	399.57 MHz	-10.542 dBm				2	N	f	399.57 MHz	-10.542 dBm				3	N	f	399.57 MHz	-10.542 dBm			
MKR MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																												
1	N	f	399.57 MHz	-10.542 dBm																															
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TX-DNH	4FSK	CHL	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.50062500 GHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr1 2.500 GHz -29.447 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts)</p> <p>File <Temp.png> saved</p> <p>1GHz~10th Harmonic</p>																																
TX-DNH	4FSK	CHM1	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr3 406.36 MHz -19.007 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>f</td> <td>406.36 MHz</td> <td>-19.007 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td>406.36 MHz</td> <td>-19.007 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td>406.36 MHz</td> <td>-19.007 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>30MHz~1GHz</p>	MKR MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f	406.36 MHz	-19.007 dBm				2	N	f	406.36 MHz	-19.007 dBm				3	N	f	406.36 MHz	-19.007 dBm			
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Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CH _{M1}	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.529937500 GHz Ref Offset 42 dB, Ref 0.00 dBm Mkr1 3.163 GHz, -29.800 dBm Start 1.000 GHz, #Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 5.133 ms (1001 pts) Stop 4.060 GHz</p> <p>1GHz~10th Harmonic</p>																																				
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 42 dB, Ref 0.00 dBm Mkr3 406.36 MHz, -19.205 dBm Start 30.0 MHz, #Res BW 100 kHz, #VBW 300 kHz, Sweep 92.73 ms (1001 pts) Stop 1.000 GHz</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SQZ</th> <th>F</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-19.205 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-19.205 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>406.36 MHz</td> <td>-19.205 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>No Peak Found</p> <p>30MHz~1GHz</p>	MKR	MODE	TRIG	SQZ	F	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	406.36 MHz	-19.205 dBm				2	N	1	f	406.36 MHz	-19.205 dBm				3	N	1	f	406.36 MHz	-19.205 dBm			
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3	N	1	f	406.36 MHz	-19.205 dBm																																		
TX-DNH	4FSK	CH _{M2}	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.530562500 GHz Ref Offset 42 dB, Ref 0.00 dBm Mkr1 2.754 GHz, -29.287 dBm Start 1.000 GHz, #Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 5.133 ms (1001 pts) Stop 4.061 GHz</p> <p>1GHz~10th Harmonic</p>																																				



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz PNO: Fast IF Gain: low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 22/100 Ref Offset 42 dB Ref 0.00 dBm Mkr3 438.37 MHz -38.383 dBm 10 dB/div Log Start 30.000000 GHz Stop 1.00000000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) MNR MODE TRIG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 438.37 MHz -38.383 dBm 2 N 1 f 438.37 MHz -38.383 dBm 3 N 1 f 438.37 MHz -38.383 dBm 4 5 6 7 8 9 10 11 No Peak Found</p> <p>30MHz~1GHz</p>
TX-DNH	4FSK	CH _{M3}	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.690062500 GHz PNO: Fast IF Gain: low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 33/100 Ref Offset 42 dB Ref 0.00 dBm Mkr1 3.224 GHz -30.240 dBm 10 dB/div Log Start 1.000000 GHz Stop 4.380125000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.667 ms (1001 pts) File <Temp.png> saved</p> <p>1GHz~10th Harmonic</p>
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz PNO: Fast IF Gain: low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr AvgHold: 23/100 Ref Offset 42 dB Ref 0.00 dBm Mkr3 470.38 MHz -35.470 dBm 10 dB/div Log Start 30.000000 GHz Stop 1.00000000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) MNR MODE TRIG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 N 1 f 470.38 MHz -35.470 dBm 2 N 1 f 470.38 MHz -35.470 dBm 3 N 1 f 470.38 MHz -35.470 dBm 4 5 6 7 8 9 10 11 No Peak Found</p> <p>30MHz~1GHz</p>

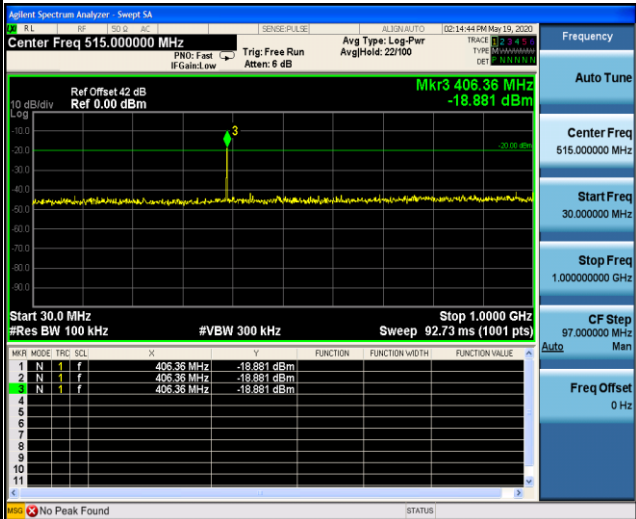

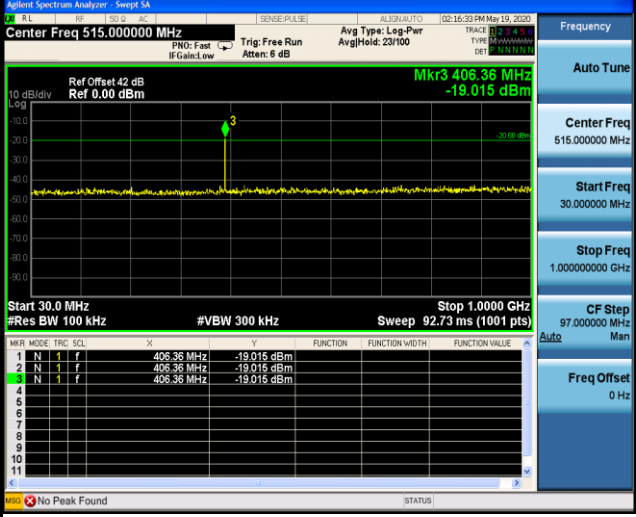


Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-DNH	4FSK	CH _H	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.849937500 GHz</p> <p>Mkr1 2.672 GHz -28.622 dBm</p> <p>Start 1.000 GHz Stop 4.700 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts)</p> <p>1GHz~10th Harmonic</p>																																				
TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 515.000000 MHz</p> <p>Mkr3 399.57 MHz -10.727 dBm</p> <p>Start 30.0 MHz Stop 1.000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>399.57 MHz</td> <td>-10.727 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>399.57 MHz</td> <td>-10.727 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>399.57 MHz</td> <td>-10.727 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>No Peak Found</p> <p>30MHz~1GHz</p>	MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	399.57 MHz	-10.727 dBm				2	N	1	f	399.57 MHz	-10.727 dBm				3	N	1	f	399.57 MHz	-10.727 dBm			
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TX-ANH	FM	CH _L	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.500062500 GHz</p> <p>Mkr1 2.569 GHz -29.882 dBm</p> <p>Start 1.000 GHz Stop 4.000 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts)</p> <p>1GHz~10th Harmonic</p>																																				



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _{M1}	 <p style="text-align: center;">30MHz~1GHz</p>
TX-ANH	FM	CH _{M1}	 <p style="text-align: center;">1GHz~10th Harmonic</p>
TX-ANH	FM	CH _{M2}	 <p style="text-align: center;">30MHz~1GHz</p>



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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																				
TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.530562500 GHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr1 3.183 GHz -30.419 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz</p> <p>Stop 4.061 GHz #VBW 3.0 MHz Sweep 5.133 ms (1001 pts)</p> <p>1GHz~10th Harmonic</p>																																				
TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 515.000000 MHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr3 851.59 MHz -41.755 dBm</p> <p>Start 30.0 MHz #Res BW 100 kHz</p> <p>Stop 1.000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>851.59 MHz</td> <td>-41.755 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>851.59 MHz</td> <td>-41.755 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>851.59 MHz</td> <td>-41.755 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>No Peak Found</p> <p>30MHz~1GHz</p>	MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	851.59 MHz	-41.755 dBm				2	N	1	f	851.59 MHz	-41.755 dBm				3	N	1	f	851.59 MHz	-41.755 dBm			
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TX-ANH	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.690062500 GHz</p> <p>Ref Offset 42 dB Ref 0.00 dBm</p> <p>Mkr1 2.562 GHz -29.505 dBm</p> <p>Start 1.000 GHz #Res BW 1.0 MHz</p> <p>Stop 4.380 GHz #VBW 3.0 MHz Sweep 5.667 ms (1001 pts)</p> <p>1GHz~10th Harmonic</p>																																				



Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																
TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 42 dB Ref 0.00 dBm Mkr3 470.38 MHz -35.839 dBm Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRC</th> <th>SCN</th> <th>F</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>470.38 MHz</td> <td></td> <td></td> <td>-35.839 dBm</td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>470.38 MHz</td> <td></td> <td></td> <td>-35.839 dBm</td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>470.38 MHz</td> <td></td> <td></td> <td>-35.839 dBm</td> </tr> </tbody> </table> <p>No Peak Found</p> <p>30MHz~1GHz</p>	MNR	MODE	TRC	SCN	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	470.38 MHz			-35.839 dBm	2	N	1	f	470.38 MHz			-35.839 dBm	3	N	1	f	470.38 MHz			-35.839 dBm
MNR	MODE	TRC	SCN	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																												
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TX-ANH	FM	CH _H	<p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.849937500 GHz Ref Offset 42 dB Ref 0.00 dBm Mkr1 3.194 GHz -30.381 dBm Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.700 GHz Sweep 6.200 ms (1001 pts)</p> <p>File <Temp.png> saved</p> <p>1GHz~10th Harmonic</p>																																

----End of Report----