

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _{M2}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Ref Offset 22 dB Ref 50.0 dBm</p> <p>Total Power Ref 44.84 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>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>44.26</td> <td>(-2.01)</td> <td>0.0</td> <td>44.83</td> <td>(-1.44)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.22</td> <td>(-7.78)</td> <td>-12.40 k</td> <td>-31.93</td> <td>(-6.77)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-27.58</td> <td>(-7.58)</td> <td>-14.20 k</td> <td>-27.63</td> <td>(-7.63)</td> <td>14.30 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)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	44.26	(-2.01)	0.0	44.83	(-1.44)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-32.22	(-7.78)	-12.40 k	-31.93	(-6.77)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.58	(-7.58)	-14.20 k	-27.63	(-7.63)	14.30 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 C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
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>Trig: Free Run #Atten: 40 dB Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 44.0 dBm</p> <p>Center 400 MHz Span 120 kHz</p> <p>Total Power Ref 38.82 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>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>37.99</td> <td>(-1.60)</td> <td>0.0</td> <td>38.23</td> <td>(-1.36)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.28</td> <td>(-7.61)</td> <td>-12.20 k</td> <td>-37.44</td> <td>(-7.05)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.92</td> <td>(-13.92)</td> <td>-14.35 k</td> <td>-33.68</td> <td>(-13.68)</td> <td>14.40 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)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	37.99	(-1.60)	0.0	38.23	(-1.36)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.28	(-7.61)	-12.20 k	-37.44	(-7.05)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.92	(-13.92)	-14.35 k	-33.68	(-13.68)	14.40 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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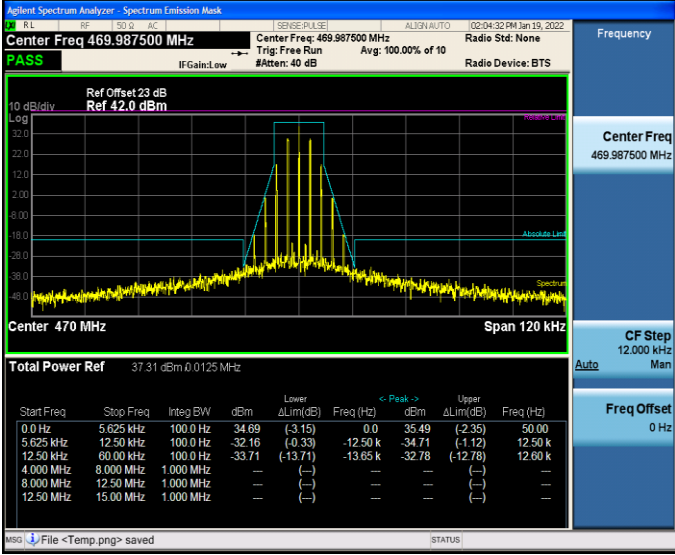
Appendix C:Emission Mask

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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 Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS</p> <p>Ref Offset 22 dB Ref 44.0 dBm</p> <p>Center 406.1 MHz Span 120 kHz</p> <p>Total Power Ref 38.21 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>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>35.63</td> <td>(4.02)</td> <td>0.0</td> <td>36.42</td> <td>(-3.22)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-30.88</td> <td>(0.19)</td> <td>-12.40 k</td> <td>-32.58</td> <td>(-0.79)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-31.16</td> <td>(-11.16)</td> <td>-14.65 k</td> <td>-32.68</td> <td>(-12.68)</td> <td>15.70 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> <p>MSG: File <Temp.png> saved STATUS</p>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.63	(4.02)	0.0	36.42	(-3.22)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-30.88	(0.19)	-12.40 k	-32.58	(-0.79)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-31.16	(-11.16)	-14.65 k	-32.68	(-12.68)	15.70 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 C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	<p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq: 438.012500 MHz</p> <p>Ref Offset 23 dB, Ref 44.0 dBm</p> <p>Total Power Ref: 38.86 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>Freq (Hz)</th> <th>dBm</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>38.18</td> <td>(-1.41)</td> <td>0.0</td> <td>38.87</td> <td>(-0.73)</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.53</td> <td>(-6.77)</td> <td>-12.35 k</td> <td>-37.73</td> <td>(-6.24)</td> <td>12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.55</td> <td>(-14.55)</td> <td>-15.35 k</td> <td>-34.81</td> <td>(-14.81)</td> <td>15.45 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)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	38.18	(-1.41)	0.0	38.87	(-0.73)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-37.53	(-6.77)	-12.35 k	-37.73	(-6.24)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.55	(-14.55)	-15.35 k	-34.81	(-14.81)	15.45 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 C:Emission Mask

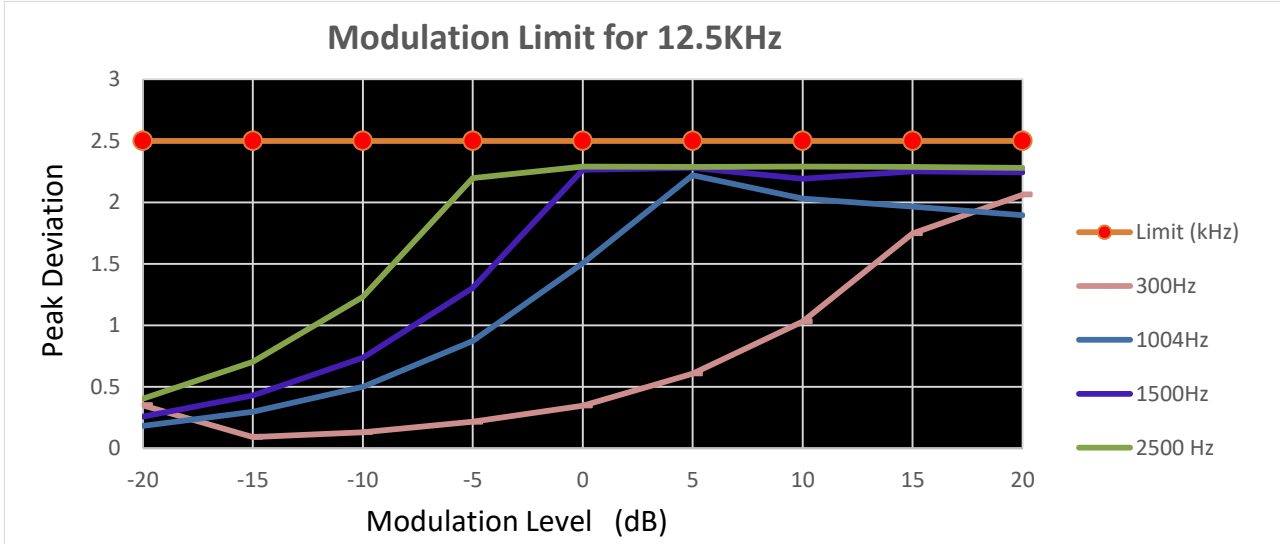
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-ANL	FM	CH _H	 <p>The screenshot displays a spectrum plot with a center frequency of 469.987500 MHz and a span of 120 kHz. The plot shows a signal peak within a defined emission mask. The table below provides detailed measurement parameters.</p> <table border="1" data-bbox="560 741 1125 898"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>Freq (Hz)</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>34.69</td> <td>(-3.15)</td> <td>0.0</td> <td>35.49</td> <td>50.00</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.16</td> <td>(-0.33)</td> <td>-12.50 k</td> <td>-34.71</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.71</td> <td>(-13.71)</td> <td>-13.65 k</td> <td>-32.78</td> <td>12.60 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> </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> </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> </tr> </tbody> </table>	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.69	(-3.15)	0.0	35.49	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-32.16	(-0.33)	-12.50 k	-34.71	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.71	(-13.71)	-13.65 k	-32.78	12.60 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

Operatio n 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	0.35	0.184	0.257	0.404	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.093	0.297	0.431	0.704	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.131	0.5	0.736	1.231	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.216	0.873	1.305	2.198	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.348	1.504	2.265	2.291	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.607	2.221	2.279	2.288	2.5	PASS
TX-ANH	FM	CH _{M2}	10	1.032	2.031	2.193	2.291	2.5	PASS
TX-ANH	FM	CH _{M2}	15	1.748	1.966	2.252	2.289	2.5	PASS
TX-ANH	FM	CH _{M2}	20	2.062	1.894	2.243	2.279	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

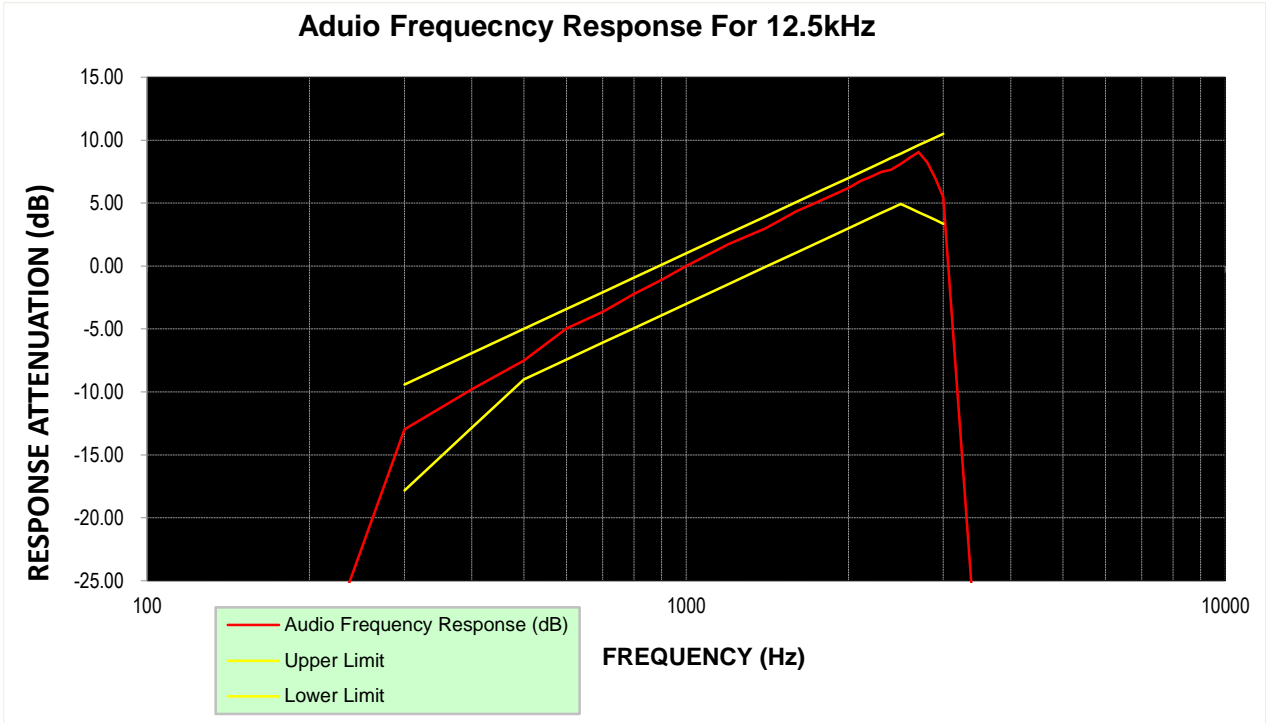


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-34.10			PASS
TX-ANH	FM	CH _{M2}	200	-33.94			PASS
TX-ANH	FM	CH _{M2}	300	-12.98	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-9.80	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-7.52	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-4.97	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.64	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.21	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.10	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	-0.01	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.75	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	2.96	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.35	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.32	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.20	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	6.72	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	7.09	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	7.48	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	7.66	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	8.12	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	8.61	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	9.05	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.24	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	6.94	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	5.45	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	-34.06			PASS
TX-ANH	FM	CH _{M2}	4000	-33.93			PASS
TX-ANH	FM	CH _{M2}	4500	-34.24			PASS
TX-ANH	FM	CH _{M2}	5000	-33.98			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	0.016	0.013	0.020	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.016	0.013	0.021	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.016	0.013	0.022	0.008	0.016	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.015	0.014	0.020	0.007	0.016	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.016	0.013	0.020	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.000	0.012	0.020	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.016	0.013	0.021	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.015	0.012	0.021	0.007	0.016	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.016	0.013	0.020	0.007	0.016	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.013	0.013	0.060	0.007	0.014	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.013	0.012	0.063	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.013	0.012	0.059	0.007	0.014	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.013	0.013	0.062	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.013	0.013	0.065	0.007	0.014	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.000	0.012	0.059	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.013	0.012	0.061	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.013	0.013	0.060	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.014	0.013	0.064	0.007	0.014	±5.0	PASS
TX-ANH	FM	V _N	-30	0.420	0.459	0.495	0.422	0.388	±5.0	PASS
TX-ANH	FM	V _N	-20	0.438	0.460	0.459	0.447	0.393	±5.0	PASS
TX-ANH	FM	V _N	-10	0.437	0.467	0.470	0.417	0.410	±5.0	PASS
TX-ANH	FM	V _N	0	0.422	0.469	0.503	0.413	0.410	±5.0	PASS
TX-ANH	FM	V _N	10	0.437	0.480	0.459	0.447	0.385	±5.0	PASS
TX-ANH	FM	V _N	20	0.415	0.441	0.458	0.409	0.374	±5.0	PASS
TX-ANH	FM	V _N	30	0.420	0.452	0.475	0.441	0.398	±5.0	PASS
TX-ANH	FM	V _N	40	0.419	0.479	0.496	0.449	0.396	±5.0	PASS
TX-ANH	FM	V _N	50	0.453	0.442	0.502	0.440	0.405	±5.0	PASS
TX-ANL	FM	V _N	-30	0.447	0.478	0.506	0.435	0.380	±5.0	PASS
TX-ANL	FM	V _N	-20	0.422	0.454	0.497	0.410	0.397	±5.0	PASS
TX-ANL	FM	V _N	-10	0.450	0.487	0.501	0.447	0.381	±5.0	PASS
TX-ANL	FM	V _N	0	0.438	0.492	0.506	0.410	0.376	±5.0	PASS
TX-ANL	FM	V _N	10	0.460	0.454	0.508	0.444	0.379	±5.0	PASS
TX-ANL	FM	V _N	20	0.422	0.451	0.465	0.409	0.374	±5.0	PASS
TX-ANL	FM	V _N	30	0.426	0.486	0.503	0.414	0.376	±5.0	PASS
TX-ANL	FM	V _N	40	0.449	0.467	0.510	0.416	0.376	±5.0	PASS
TX-ANL	FM	V _N	50	0.451	0.465	0.508	0.423	0.394	±5.0	PASS

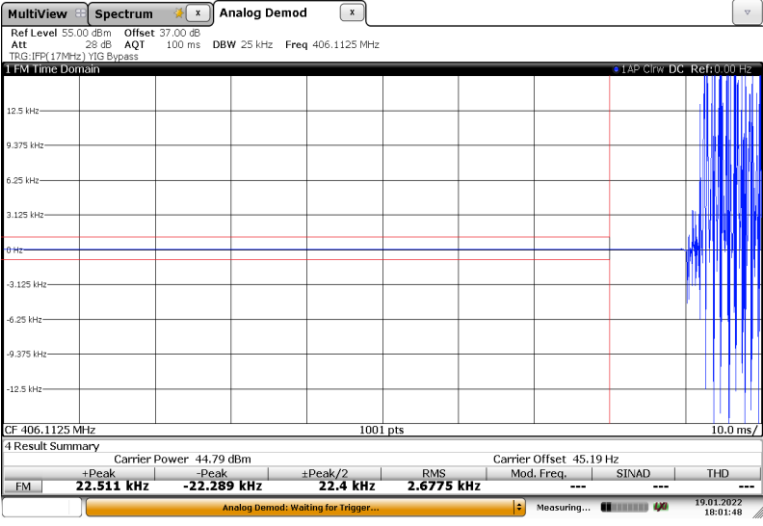
Appendix G:Frequency Stability Test & Voltage

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	0.012	0.012	0.020	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.012	0.012	0.020	0.007	0.015	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.013	0.012	0.020	0.007	0.015	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.012	0.012	0.059	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.012	0.012	0.059	0.007	0.013	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.013	0.013	0.060	0.007	0.013	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.415	0.441	0.458	0.409	0.374	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.416	0.445	0.462	0.416	0.377	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.422	0.454	0.464	0.411	0.379	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.422	0.451	0.465	0.409	0.374	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.423	0.457	0.473	0.412	0.376	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.445	0.455	0.490	0.416	0.386	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																				
TX-DNH	4FSK	CH _{M2}	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 55.00 dBm Offset 37.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IFX (17MHz) YIG Bypass</p> <p>FM Time Domain</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>Result Summary</p> <table border="1"> <tr> <td>Carrier Power</td> <td>44.78 dBm</td> <td>Carrier Offset</td> <td>48.58 Hz</td> </tr> <tr> <td>+Peak</td> <td>22.443 kHz</td> <td>-Peak</td> <td>-30.53 kHz</td> </tr> <tr> <td>+Peak/2</td> <td>26.487 kHz</td> <td>RMS</td> <td>2.9345 kHz</td> </tr> <tr> <td>Mod. Freq.</td> <td>---</td> <td>SINAD</td> <td>---</td> </tr> <tr> <td>THD</td> <td>---</td> <td></td> <td>---</td> </tr> </table> <p>Date: 19 JAN 2022 18:01:08</p>	Carrier Power	44.78 dBm	Carrier Offset	48.58 Hz	+Peak	22.443 kHz	-Peak	-30.53 kHz	+Peak/2	26.487 kHz	RMS	2.9345 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	44.78 dBm	Carrier Offset	48.58 Hz																				
+Peak	22.443 kHz	-Peak	-30.53 kHz																				
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TX-DNH	4FSK	CH _{M2}	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 55.00 dBm Offset 37.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IFX (17MHz) YIG Bypass</p> <p>FM Time Domain</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>Result Summary</p> <table border="1"> <tr> <td>Carrier Power</td> <td>44.79 dBm</td> <td>Carrier Offset</td> <td>45.25 Hz</td> </tr> <tr> <td>+Peak</td> <td>25.838 kHz</td> <td>-Peak</td> <td>-27.499 kHz</td> </tr> <tr> <td>+Peak/2</td> <td>26.669 kHz</td> <td>RMS</td> <td>2.7824 kHz</td> </tr> <tr> <td>Mod. Freq.</td> <td>---</td> <td>SINAD</td> <td>---</td> </tr> <tr> <td>THD</td> <td>---</td> <td></td> <td>---</td> </tr> </table> <p>Date: 19 JAN 2022 18:01:40</p>	Carrier Power	44.79 dBm	Carrier Offset	45.25 Hz	+Peak	25.838 kHz	-Peak	-27.499 kHz	+Peak/2	26.669 kHz	RMS	2.7824 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	44.79 dBm	Carrier Offset	45.25 Hz																				
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TX-ANH	FM	CH _{M2}	<p>MultiView Spectrum Analog Demod</p> <p>Ref Level 55.00 dBm Offset 37.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IFX (17MHz) YIG Bypass</p> <p>FM Time Domain</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>Result Summary</p> <table border="1"> <tr> <td>Carrier Power</td> <td>44.78 dBm</td> <td>Carrier Offset</td> <td>46.89 Hz</td> </tr> <tr> <td>+Peak</td> <td>23.949 kHz</td> <td>-Peak</td> <td>-26.354 kHz</td> </tr> <tr> <td>+Peak/2</td> <td>25.151 kHz</td> <td>RMS</td> <td>2.933 kHz</td> </tr> <tr> <td>Mod. Freq.</td> <td>---</td> <td>SINAD</td> <td>---</td> </tr> <tr> <td>THD</td> <td>---</td> <td></td> <td>---</td> </tr> </table> <p>Date: 19 JAN 2022 18:00:11</p>	Carrier Power	44.78 dBm	Carrier Offset	46.89 Hz	+Peak	23.949 kHz	-Peak	-26.354 kHz	+Peak/2	25.151 kHz	RMS	2.933 kHz	Mod. Freq.	---	SINAD	---	THD	---		---
Carrier Power	44.78 dBm	Carrier Offset	46.89 Hz																				
+Peak	23.949 kHz	-Peak	-26.354 kHz																				
+Peak/2	25.151 kHz	RMS	2.933 kHz																				
Mod. Freq.	---	SINAD	---																				
THD	---		---																				

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																
TX-ANH	FM	CHM2	 <p>MultiView Spectrum Analog Demod</p> <p>Ref Level 55.00 dBm Offset 37.00 dB Att 28 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG: IPX (17MHz) YIG Bypass</p> <p>1 FM Time Domain LAF Cirw DC Ref: 0.00 Hz</p> <p>CF 406.1125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary</p> <table border="1"> <thead> <tr> <th></th> <th>Carrier Power</th> <th>Carrier Offset</th> <th>±Peak/2</th> <th>RMS</th> <th>Mod. Freq.</th> <th>SINAD</th> <th>THD</th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>44.79 dBm</td> <td>45.19 Hz</td> <td>22.511 kHz</td> <td>22.4 kHz</td> <td>2.6775 kHz</td> <td>---</td> <td>---</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 19.01.2022 18:01:48</p> <p>Date: 19 JAN 2022 18:01:48</p>		Carrier Power	Carrier Offset	±Peak/2	RMS	Mod. Freq.	SINAD	THD	FM	44.79 dBm	45.19 Hz	22.511 kHz	22.4 kHz	2.6775 kHz	---	---
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Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DNH	4FSK	CHL	<table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ΔLimit</th> </tr> </thead> <tbody> <tr> <td>9.000 kHz</td> <td>150.000 kHz</td> <td>1.000 kHz</td> <td>24.99073 kHz</td> <td>-68.05 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>150.000 kHz</td> <td>30.000 MHz</td> <td>10.000 kHz</td> <td>922.17571 kHz</td> <td>-57.37 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>30.000 MHz</td> <td>1.000 GHz</td> <td>100.000 kHz</td> <td>399.99797 MHz</td> <td>-5.48 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>1.000 GHz</td> <td>5.000 GHz</td> <td>1.000 MHz</td> <td>4.81657 GHz</td> <td>-43.47 dBm</td> <td>-200.00 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit	9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-68.05 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	922.17571 kHz	-57.37 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-5.48 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	4.81657 GHz	-43.47 dBm	-200.00 dB
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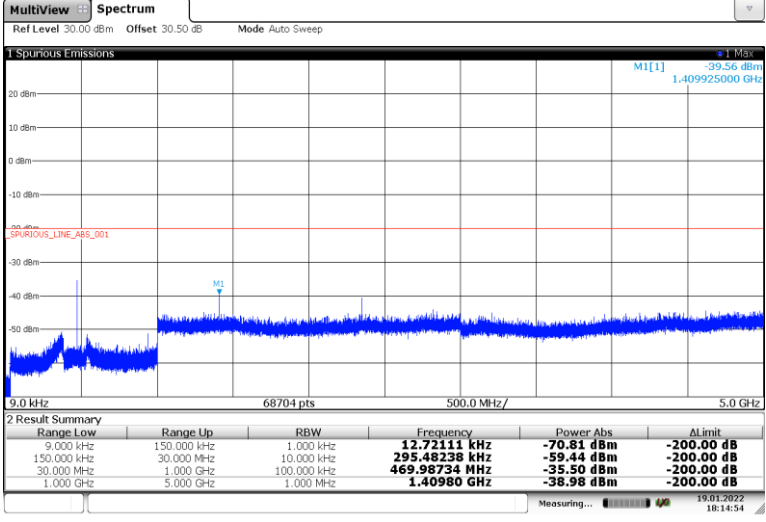
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DNH	4FSK	CH _{M3}	<table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>ALimit</th> </tr> </thead> <tbody> <tr> <td>9.000 kHz</td> <td>150.000 kHz</td> <td>1.000 kHz</td> <td>16.74394 kHz</td> <td>-69.71 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>150.000 kHz</td> <td>30.000 MHz</td> <td>10.000 kHz</td> <td>288.02174 kHz</td> <td>-53.31 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>30.000 MHz</td> <td>1.000 GHz</td> <td>100.000 kHz</td> <td>438.00866 MHz</td> <td>-34.12 dBm</td> <td>-200.00 dB</td> </tr> <tr> <td>1.000 GHz</td> <td>5.000 GHz</td> <td>1.000 MHz</td> <td>2.19003 GHz</td> <td>-38.70 dBm</td> <td>-200.00 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	ALimit	9.000 kHz	150.000 kHz	1.000 kHz	16.74394 kHz	-69.71 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	288.02174 kHz	-53.31 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	438.00866 MHz	-34.12 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	2.19003 GHz	-38.70 dBm	-200.00 dB
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----End of Report----