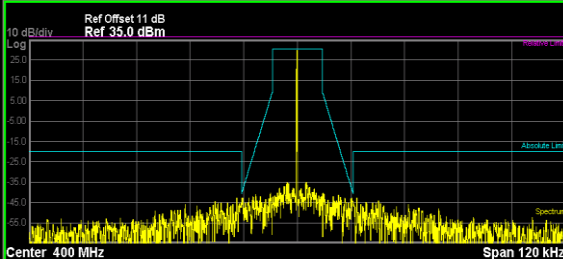
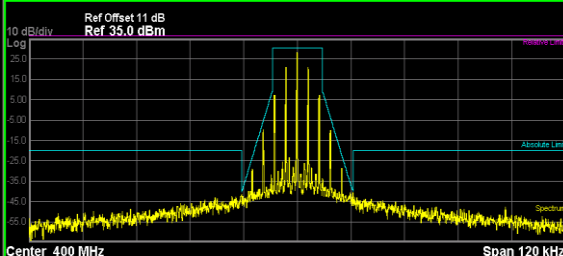
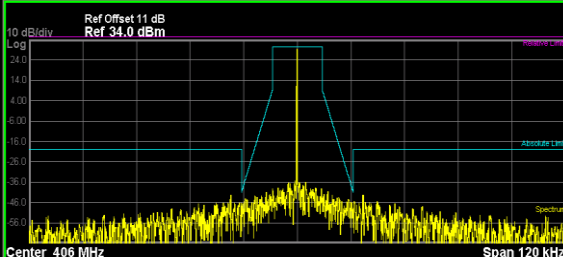
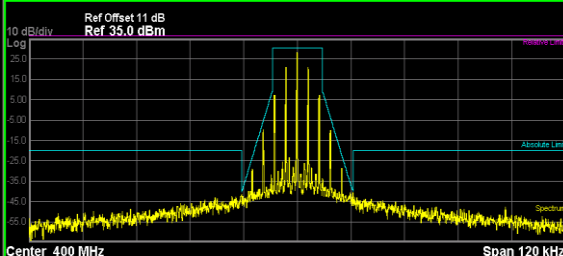
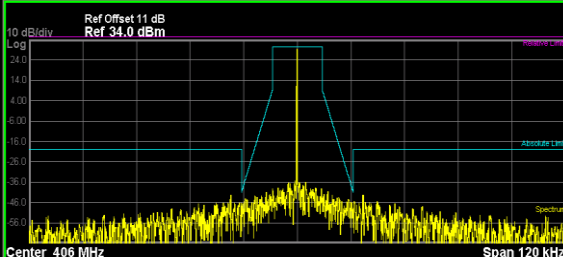
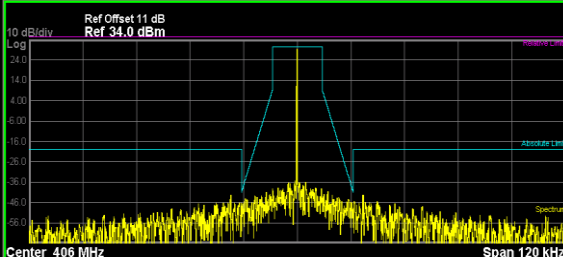
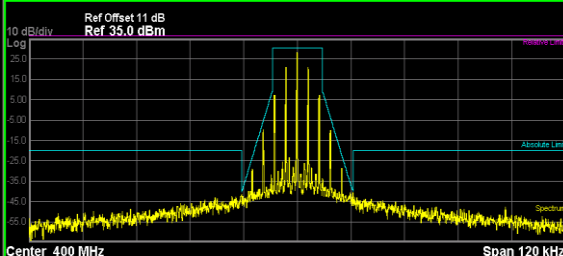
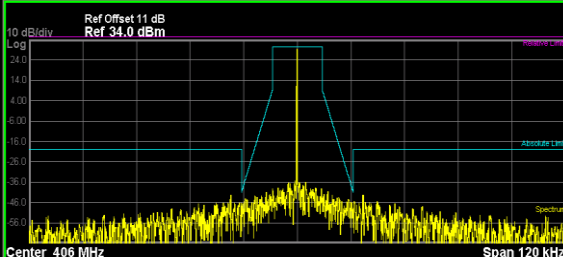
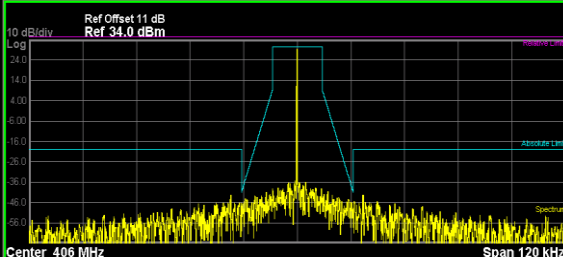
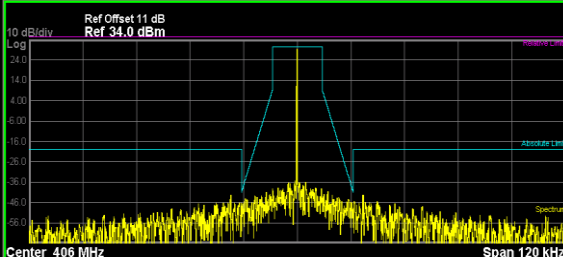


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																
TX-ANH	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 11 dB Ref 41.0 dBm Center 438 MHz Span 120 kHz Total Power Ref 35.46 dBm 0.0125 MHz <table><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>< Peak > 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>34.02</td><td>(-2.51)</td><td>0.0</td><td>34.02</td><td>(-2.51)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.11</td><td>(-2.20)</td><td>-12.50 k</td><td>-35.55</td><td>(-0.64)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.86</td><td>(-15.86)</td><td>-17.90 k</td><td>-33.66</td><td>(-13.66)</td><td>12.50 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> Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.02	(-2.51)	0.0	34.02	(-2.51)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.11	(-2.20)	-12.50 k	-35.55	(-0.64)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.86	(-15.86)	-17.90 k	-33.66	(-13.66)	12.50 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)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																											
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 11 dB Ref 40.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 35.63 dBm 0.0125 MHz <table><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>< Peak > 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>35.47</td><td>(-1.02)</td><td>0.0</td><td>35.47</td><td>(-1.02)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.61</td><td>(-2.66)</td><td>-12.50 k</td><td>-34.81</td><td>(-2.34)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.85</td><td>(-15.85)</td><td>-13.00 k</td><td>-35.78</td><td>(-15.78)</td><td>12.95 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> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	35.47	(-1.02)	0.0	35.47	(-1.02)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.61	(-2.66)	-12.50 k	-34.81	(-2.34)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.85	(-15.85)	-13.00 k	-35.78	(-15.78)	12.95 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)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																											
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Trig: Free Run Avg: 100.00% of 10 Radio Std: None Radio Device: BTS Ref Offset 11 dB Ref 40.0 dBm Center 470 MHz Span 120 kHz Total Power Ref 35.47 dBm 0.0125 MHz <table><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>< Peak > 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>34.07</td><td>(-2.42)</td><td>0.0</td><td>34.07</td><td>(-2.42)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.15</td><td>(-2.20)</td><td>-12.50 k</td><td>-34.80</td><td>(-0.63)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.61</td><td>(-13.61)</td><td>-12.50 k</td><td>-35.38</td><td>(-15.38)</td><td>13.00 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> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	34.07	(-2.42)	0.0	34.07	(-2.42)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-37.15	(-2.20)	-12.50 k	-34.80	(-0.63)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-33.61	(-13.61)	-12.50 k	-35.38	(-15.38)	13.00 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)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																											
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12.50 kHz	60.00 kHz	100.0 Hz	-33.61	(-13.61)	-12.50 k	-35.38	(-15.38)	13.00 k																																																											
4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																											
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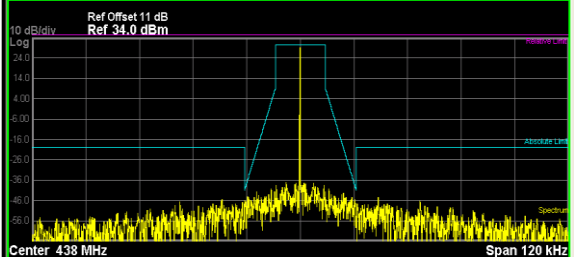
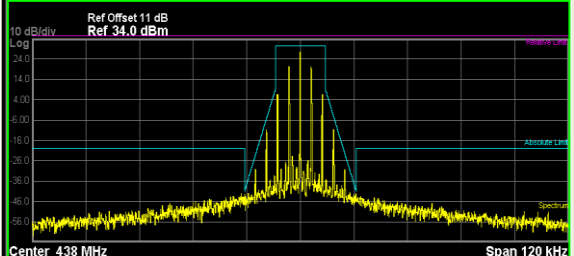
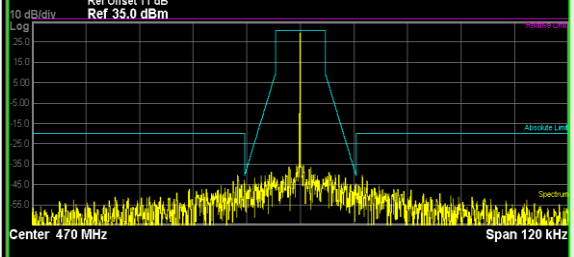
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO01:27:42 PM Jul 20, 2022 Center Freq 400.012500 MHzCenter Freq: 400.012500 MHzRadio Std: None Trig: Free Run#Atten: 40 dBRadio Device: BTS PASSIF Gain: Low Ref Offset 11 dBRef 35.0 dBm  Center 400 MHzSpan 120 kHz Total Power Ref 29.74 dBm 0.0125 MHz <table><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>< Peak > 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>29.73</td><td>(-0.86)</td><td>-50.00</td><td>28.15</td><td>(-2.44)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.72</td><td>(-2.60)</td><td>-12.40 k</td><td>-42.81</td><td>(-3.42)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.96</td><td>(-22.96)</td><td>-13.50 k</td><td>-42.82</td><td>(-22.82)</td><td>13.35 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> File <MASK.D.state> recalled Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO01:28:04 PM Jul 20, 2022 Center Freq 400.012500 MHzCenter Freq: 400.012500 MHzRadio Std: None Trig: Free Run#Atten: 40 dBAvg: 100.00% of 10Radio Device: BTS PASSIF Gain: Low Ref Offset 11 dBRef 35.0 dBm  Center 400 MHzSpan 120 kHz Total Power Ref 30.18 dBm 0.0125 MHz <table><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>< Peak > 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>28.28</td><td>(-2.31)</td><td>-50.00</td><td>28.11</td><td>(-2.48)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.60</td><td>(-2.13)</td><td>-12.50 k</td><td>-39.02</td><td>(-1.06)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.68</td><td>(-18.68)</td><td>-12.50 k</td><td>-42.63</td><td>(-22.63)</td><td>12.50 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> File <Temp.png> saved Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz <tr><td>TX-ANL</td><td>FM</td><td>CH_{M1}</td><td> Agilent Spectrum Analyzer - 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TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask RLRF150QACSENSE-PULSEALIGN-AUTO01:30:25 PM Jul 20, 2022 Center Freq 405.987500 MHzCenter Freq: 405.987500 MHzRadio Std: None Trig: Free Run#Atten: 40 dBRadio Device: BTS PASSIF Gain: Low Ref Offset 11 dBRef 34.0 dBm  Center 406 MHzSpan 120 kHz Total Power Ref 30.04 dBm 0.0125 MHz <table><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>< Peak > 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>29.45</td><td>(-1.02)</td><td>-50.00</td><td>29.24</td><td>(-1.23)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.78</td><td>(-7.99)</td><td>-12.20 k</td><td>-46.29</td><td>(-7.87)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.33</td><td>(-22.33)</td><td>-14.85 k</td><td>-42.31</td><td>(-22.31)</td><td>14.75 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> File <MASK.D.state> recalled Frequency Center Freq 405.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.45	(-1.02)	-50.00	29.24	(-1.23)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-46.78	(-7.99)	-12.20 k	-46.29	(-7.87)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.33	(-22.33)	-14.85 k	-42.31	(-22.31)	14.75 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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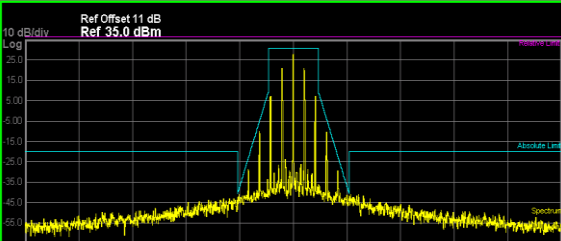
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT	
TX-ANL	FM	CH _{M1}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 405.987500 MHz Center Freq: 405.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB IF Gain: Low Radio Device: BTS Ref Offset 11 dB Ref 34.0 dBm 10 dB/div Log </	

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 34.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 29.17 dBm 0.0125 MHz <table><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>Peak 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>28.93</td><td>(-1.46)</td><td>-50.00</td><td>28.91</td><td>(-1.48)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.97</td><td>(-5.65)</td><td>-12.40 k</td><td>-45.72</td><td>(-5.77)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.51</td><td>(-25.51)</td><td>-17.50 k</td><td>-44.67</td><td>(-24.67)</td><td>17.45 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> File <MASK.D.state> recalled STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.93	(-1.46)	-50.00	28.91	(-1.48)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.97	(-5.65)	-12.40 k	-45.72	(-5.77)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-45.51	(-25.51)	-17.50 k	-44.67	(-24.67)	17.45 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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TX-ANL	FM	CH _{M3}	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 438.012500 MHz Center Freq: 438.012500 MHz Radio Std: None PASS IF Gain: Low Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 34.0 dBm  Center 438 MHz Span 120 kHz Total Power Ref 28.99 dBm 0.0125 MHz <table><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>Peak 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>27.55</td><td>(-2.84)</td><td>0.0</td><td>27.55</td><td>(-2.84)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.47</td><td>(-1.42)</td><td>-12.50 k</td><td>-42.30</td><td>(-1.25)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.89</td><td>(-21.89)</td><td>-13.20 k</td><td>-43.45</td><td>(-23.45)</td><td>12.55 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> File <Temp.png> saved STATUS Frequency Center Freq 438.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	27.55	(-2.84)	0.0	27.55	(-2.84)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.47	(-1.42)	-12.50 k	-42.30	(-1.25)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.89	(-21.89)	-13.20 k	-43.45	(-23.45)	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	—	(—)	—	—	(—)	—
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 11 dB Ref 35.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 29.58 dBm 0.0125 MHz <table><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>Peak 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>29.43</td><td>(-1.20)</td><td>0.0</td><td>29.43</td><td>(-1.20)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.58</td><td>(-4.13)</td><td>-12.45 k</td><td>-44.48</td><td>(-4.39)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.50</td><td>(-20.50)</td><td>-13.95 k</td><td>-40.47</td><td>(-20.47)</td><td>13.90 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> File <MASK.D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	Peak dBm	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	29.43	(-1.20)	0.0	29.43	(-1.20)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-44.58	(-4.13)	-12.45 k	-44.48	(-4.39)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.50	(-20.50)	-13.95 k	-40.47	(-20.47)	13.90 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

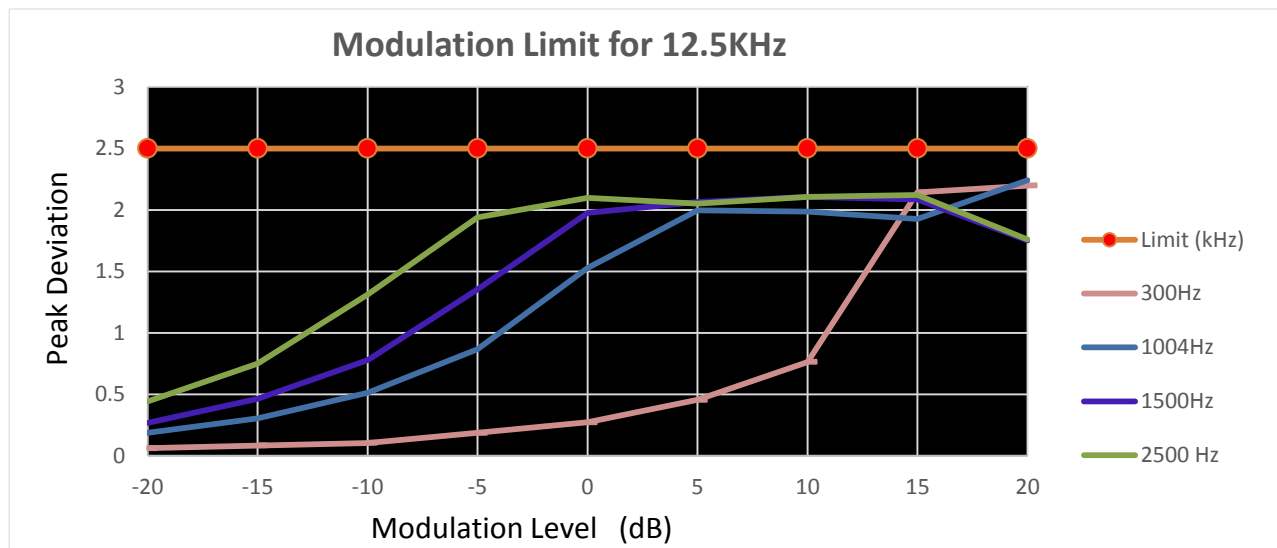
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																								
TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF ISO APC SENSE PULSE ALIGN AUTO 01:45:24 PM Jul 20, 2022 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS Ref Offset 11 dB Ref 35.0 dBm  Center 470 MHz Span 120 kHz Total Power Ref 29.44 dBm 0.0125 MHz <table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Peak (Hz)</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>28.03</td><td>(-2.60)</td><td>0.0</td><td>28.03</td><td>(-2.60)</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.92</td><td>(-1.11)</td><td>-12.50 k</td><td>-40.79</td><td>(-1.46)</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.11</td><td>(-23.11)</td><td>-13.40 k</td><td>-40.98</td><td>(-20.98)</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> Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Freq Offset 0 Hz MSG File <Temp.png> saved STATUS	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Peak (Hz)	Upper ΔLim(dB)	Upper Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.03	(-2.60)	0.0	28.03	(-2.60)	5.625 kHz	12.50 kHz	100.0 Hz	-41.92	(-1.11)	-12.50 k	-40.79	(-1.46)	12.50 kHz	60.00 kHz	100.0 Hz	-43.11	(-23.11)	-13.40 k	-40.98	(-20.98)	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	0.063	0.187	0.27	0.442	2.5	PASS
TX-ANH	FM	CH _{M2}	-15	0.084	0.305	0.463	0.749	2.5	PASS
TX-ANH	FM	CH _{M2}	-10	0.106	0.513	0.779	1.312	2.5	PASS
TX-ANH	FM	CH _{M2}	-5	0.187	0.868	1.354	1.939	2.5	PASS
TX-ANH	FM	CH _{M2}	0	0.273	1.529	1.976	2.099	2.5	PASS
TX-ANH	FM	CH _{M2}	5	0.456	1.997	2.064	2.05	2.5	PASS
TX-ANH	FM	CH _{M2}	10	0.764	1.985	2.105	2.107	2.5	PASS
TX-ANH	FM	CH _{M2}	15	2.141	1.925	2.084	2.122	2.5	PASS
TX-ANH	FM	CH _{M2}	20	2.197	2.242	1.751	1.759	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

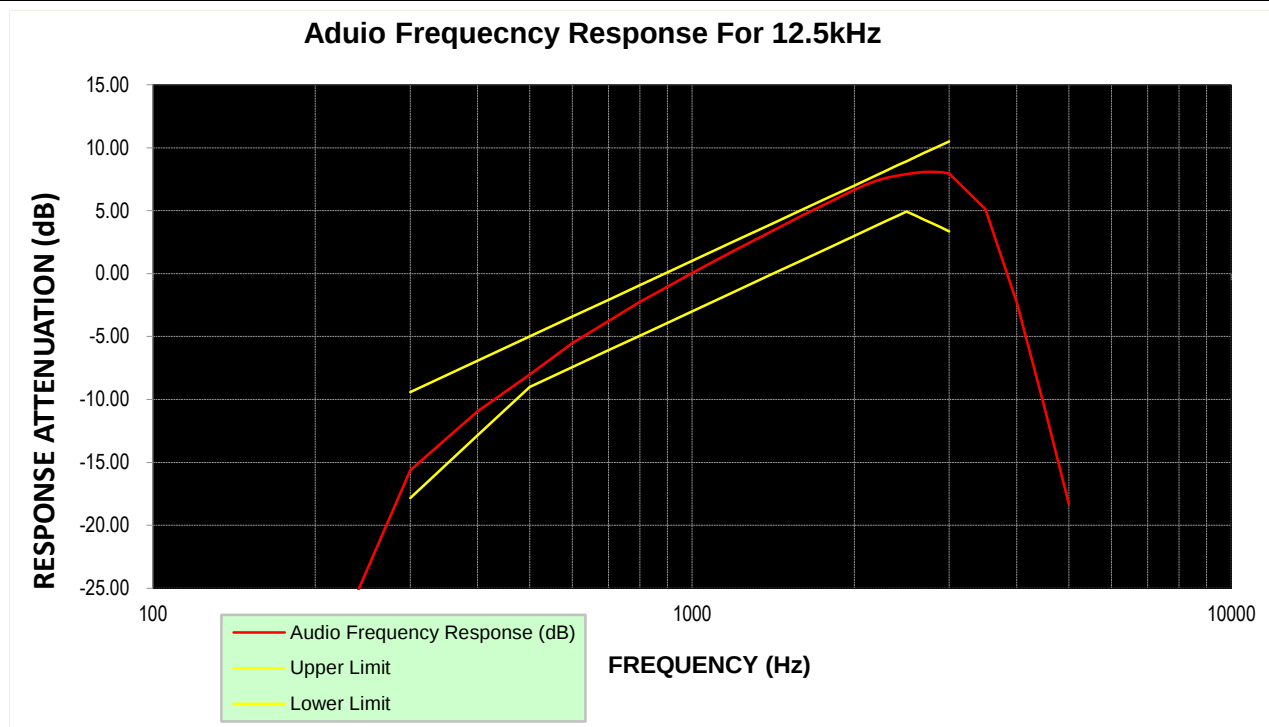


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _{M2}	100	-32.92			PASS
TX-ANH	FM	CH _{M2}	200	-33.01			PASS
TX-ANH	FM	CH _{M2}	300	-15.63	-17.84	-9.42	PASS
TX-ANH	FM	CH _{M2}	400	-10.94	-12.86	-6.93	PASS
TX-ANH	FM	CH _{M2}	500	-8.03	-9.00	-5.00	PASS
TX-ANH	FM	CH _{M2}	600	-5.51	-7.42	-3.42	PASS
TX-ANH	FM	CH _{M2}	700	-3.77	-6.09	-2.09	PASS
TX-ANH	FM	CH _{M2}	800	-2.24	-4.93	-0.93	PASS
TX-ANH	FM	CH _{M2}	900	-1.04	-3.91	0.09	PASS
TX-ANH	FM	CH _{M2}	1000	0.05	-3.00	1.00	PASS
TX-ANH	FM	CH _{M2}	1200	1.84	-1.42	2.58	PASS
TX-ANH	FM	CH _{M2}	1400	3.33	-0.09	3.91	PASS
TX-ANH	FM	CH _{M2}	1600	4.63	1.07	5.07	PASS
TX-ANH	FM	CH _{M2}	1800	5.69	2.09	6.09	PASS
TX-ANH	FM	CH _{M2}	2000	6.65	3.00	7.00	PASS
TX-ANH	FM	CH _{M2}	2100	7.07	3.42	7.42	PASS
TX-ANH	FM	CH _{M2}	2200	7.41	3.83	7.83	PASS
TX-ANH	FM	CH _{M2}	2300	7.62	4.21	8.21	PASS
TX-ANH	FM	CH _{M2}	2400	7.77	4.58	8.58	PASS
TX-ANH	FM	CH _{M2}	2500	7.91	4.93	8.93	PASS
TX-ANH	FM	CH _{M2}	2600	8.01	4.59	9.27	PASS
TX-ANH	FM	CH _{M2}	2700	8.07	4.27	9.60	PASS
TX-ANH	FM	CH _{M2}	2800	8.09	3.95	9.91	PASS
TX-ANH	FM	CH _{M2}	2900	8.06	3.65	10.22	PASS
TX-ANH	FM	CH _{M2}	3000	7.96	3.35	10.51	PASS
TX-ANH	FM	CH _{M2}	3500	5.13			PASS
TX-ANH	FM	CH _{M2}	4000	-2.26			PASS
TX-ANH	FM	CH _{M2}	4500	-10.55			PASS
TX-ANH	FM	CH _{M2}	5000	-18.33			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



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	-0.404	-0.381	-0.379	-0.292	-0.218	±5.0	PASS
TX-DNH	4FSK	V _N	-20	-0.410	-0.392	-0.378	-0.279	-0.218	±5.0	PASS
TX-DNH	4FSK	V _N	-10	-0.402	-0.387	-0.372	-0.293	-0.228	±5.0	PASS
TX-DNH	4FSK	V _N	0	-0.386	-0.396	-0.389	-0.284	-0.218	±5.0	PASS
TX-DNH	4FSK	V _N	10	-0.384	-0.379	-0.388	-0.286	-0.225	±5.0	PASS
TX-DNH	4FSK	V _N	20	-0.380	-0.365	-0.367	-0.267	-0.215	±5.0	PASS
TX-DNH	4FSK	V _N	30	-0.398	-0.373	-0.382	-0.284	-0.225	±5.0	PASS
TX-DNH	4FSK	V _N	40	-0.402	-0.367	-0.385	-0.272	-0.217	±5.0	PASS
TX-DNH	4FSK	V _N	50	-0.412	-0.389	-0.390	-0.270	-0.216	±5.0	PASS
TX-DNL	4FSK	V _N	-30	-0.373	-0.394	-0.397	-0.295	-0.215	±5.0	PASS
TX-DNL	4FSK	V _N	-20	-0.378	-0.390	-0.391	-0.292	-0.231	±5.0	PASS
TX-DNL	4FSK	V _N	-10	-0.367	-0.397	-0.408	-0.296	-0.219	±5.0	PASS
TX-DNL	4FSK	V _N	0	-0.372	-0.370	-0.394	-0.298	-0.219	±5.0	PASS
TX-DNL	4FSK	V _N	10	-0.380	-0.389	-0.410	-0.283	-0.228	±5.0	PASS
TX-DNL	4FSK	V _N	20	-0.347	-0.365	-0.377	-0.279	-0.213	±5.0	PASS
TX-DNL	4FSK	V _N	30	-0.371	-0.393	-0.393	-0.289	-0.227	±5.0	PASS
TX-DNL	4FSK	V _N	40	-0.377	-0.391	-0.391	-0.282	-0.226	±5.0	PASS
TX-DNL	4FSK	V _N	50	-0.360	-0.394	-0.415	-0.289	-0.223	±5.0	PASS
TX-ANH	FM	V _N	-30	-0.130	-0.065	-0.021	0.007	0.015	±5.0	PASS
TX-ANH	FM	V _N	-20	-0.131	-0.066	-0.021	0.008	0.016	±5.0	PASS
TX-ANH	FM	V _N	-10	-0.130	-0.061	-0.022	0.008	0.016	±5.0	PASS
TX-ANH	FM	V _N	0	-0.140	-0.063	-0.022	0.007	0.016	±5.0	PASS
TX-ANH	FM	V _N	10	-0.133	-0.065	-0.023	0.007	0.015	±5.0	PASS
TX-ANH	FM	V _N	20	-0.129	-0.061	-0.021	0.007	0.015	±5.0	PASS
TX-ANH	FM	V _N	30	-0.134	-0.064	-0.021	0.007	0.016	±5.0	PASS
TX-ANH	FM	V _N	40	-0.133	-0.065	-0.021	0.007	0.016	±5.0	PASS
TX-ANH	FM	V _N	50	-0.132	-0.065	-0.023	0.007	0.016	±5.0	PASS
TX-ANL	FM	V _N	-30	-0.104	-0.049	-0.030	-0.010	0.010	±5.0	PASS
TX-ANL	FM	V _N	-20	-0.105	-0.052	-0.031	-0.009	0.009	±5.0	PASS
TX-ANL	FM	V _N	-10	-0.103	-0.053	-0.031	-0.010	0.010	±5.0	PASS
TX-ANL	FM	V _N	0	-0.110	-0.049	-0.032	-0.010	0.010	±5.0	PASS
TX-ANL	FM	V _N	10	-0.105	-0.050	-0.031	-0.009	0.010	±5.0	PASS
TX-ANL	FM	V _N	20	-0.103	-0.048	-0.030	-0.009	0.009	±5.0	PASS
TX-ANL	FM	V _N	30	-0.112	-0.049	-0.032	-0.009	0.009	±5.0	PASS
TX-ANL	FM	V _N	40	-0.111	-0.051	-0.032	-0.009	0.010	±5.0	PASS
TX-ANL	FM	V _N	50	-0.110	-0.053	-0.032	-0.009	0.009	±5.0	PASS

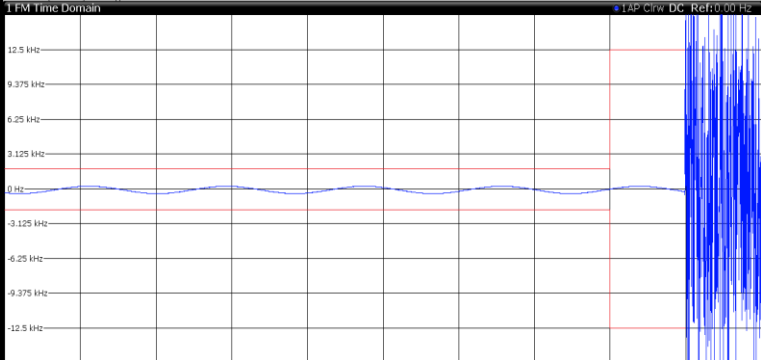
Appendix G:Frequency Stability Test & Voltage

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	-0.380	-0.365	-0.367	-0.267	-0.215	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	-0.383	-0.369	-0.373	-0.271	-0.218	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	-0.389	-0.380	-0.387	-0.278	-0.224	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	-0.347	-0.365	-0.377	-0.279	-0.213	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	-0.349	-0.365	-0.382	-0.279	-0.216	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	-0.365	-0.387	-0.382	-0.291	-0.221	±5.0	PASS
TX-ANH	FM	V _N	T _N	-0.129	-0.061	-0.021	0.007	0.015	±5.0	PASS
TX-ANH	FM	V _L	T _N	-0.129	-0.062	-0.021	0.007	0.015	±5.0	PASS
TX-ANH	FM	V _H	T _N	-0.131	-0.063	-0.022	0.007	0.016	±5.0	PASS
TX-ANL	FM	V _N	T _N	-0.103	-0.048	-0.030	-0.009	0.009	±5.0	PASS
TX-ANL	FM	V _L	T _N	-0.104	-0.049	-0.031	-0.009	0.009	±5.0	PASS
TX-ANL	FM	V _H	T _N	-0.104	-0.050	-0.030	-0.009	0.009	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 46.00 dBm Offset 27.00 dB Att 29 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 37.91 dBmCarrier Offset -119.12 Hz Mod. Freq. SINAD THD FM 22.363 kHz -23.593 kHz 22.978 kHz 2.8531 kHz Measuring... 20.07.2022 22:14:56 Analog Demod: Waiting for Trigger... Date: 20 JUL 2022 22:14:56
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 46.00 dBm Offset 27.00 dB Att 29 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 37.90 dBmCarrier Offset -117.77 Hz Mod. Freq. SINAD THD FM 34.867 kHz -22.07 kHz 28.469 kHz 2.9569 kHz Measuring... 20.07.2022 22:16:14 Analog Demod: Waiting for Trigger... Date: 20 JUL 2022 22:16:13
TX-ANH	FM	CH _{M2}	MultiViewSpectrumAnalog Demod Ref Level 46.00 dBm Offset 27.00 dB Att 29 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFPX (17MHz) YIG Bypass 1 FM Time Domain CF 406.1125 MHz1001 pts10.0 ms/ 4 Result Summary Carrier Power 37.91 dBmCarrier Offset -109.57 Hz Mod. Freq. SINAD THD FM 19.633 kHz -21.865 kHz 20.749 kHz 2.8618 kHz Measuring... 20.07.2022 22:13:53 Analog Demod: Waiting for Trigger... Date: 20 JUL 2022 22:13:53

Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																					
TX-ANH	FM	CHM2	MultiViewSpectrumAnalog Demod Ref Level 46.00 dBm Offset 27.00 dB Att 29 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz TRG:IFR(17MHz) YIG Bypass FM Time Domain 1AP ClrW DC Ref:0.00 Hz  CF 406.1125 MHz 1001 pts 10.0 ms/ 4 Result Summary <table><tr><td></td><td>Carrier Power 37.89 dBm</td><td>Carrier Offset -114.89 Hz</td><td></td><td></td><td></td><td></td></tr><tr><td>FM</td><td>+Peak 30.543 kHz</td><td>-Peak -28.115 kHz</td><td>+Peak/2 29.329 kHz</td><td>RMS 3.0513 kHz</td><td>Mod. Freq.</td><td>SINAD</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>---</td><td>---</td></tr></table> Analog Demod: Waiting for Trigger... Measuring... 20.07.2022 22:15:43 Date: 20 JUL 2022 22:15:43		Carrier Power 37.89 dBm	Carrier Offset -114.89 Hz					FM	+Peak 30.543 kHz	-Peak -28.115 kHz	+Peak/2 29.329 kHz	RMS 3.0513 kHz	Mod. Freq.	SINAD						---	---
	Carrier Power 37.89 dBm	Carrier Offset -114.89 Hz																						
FM	+Peak 30.543 kHz	-Peak -28.115 kHz	+Peak/2 29.329 kHz	RMS 3.0513 kHz	Mod. Freq.	SINAD																		
					---	---																		

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DNH	4FSK	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -46.02 dBm 800.020000 MHz 2 Result Summary <table><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>24.99073 kHz</td><td>-87.18 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>295.48238 kHz</td><td>-79.62 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>-22.27 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>1.20018 GHz</td><td>-57.26 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:47:42	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-87.18 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-79.62 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-22.27 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.20018 GHz	-57.26 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-87.18 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-79.62 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-22.27 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.20018 GHz	-57.26 dBm	-200.00 dB																												
TX-DNH	4FSK	CH _{M1}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -46.42 dBm 811.962000 MHz 2 Result Summary <table><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>24.78959 kHz</td><td>-88.32 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>302.94301 kHz</td><td>-78.88 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>405.96934 MHz</td><td>-21.21 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>1.21781 GHz</td><td>-56.27 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:48:13	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-88.32 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	302.94301 kHz	-78.88 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-21.21 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21781 GHz	-56.27 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-88.32 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	302.94301 kHz	-78.88 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-21.21 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21781 GHz	-56.27 dBm	-200.00 dB																												
TX-DNH	4FSK	CH _{M2}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -46.33 dBm 812.205000 MHz 2 Result Summary <table><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>24.99073 kHz</td><td>-84.55 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>-78.46 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>406.09059 MHz</td><td>-21.19 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>1.21818 GHz</td><td>-56.41 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:48:37	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-84.55 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	288.02174 kHz	-78.46 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-21.19 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21818 GHz	-56.41 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-84.55 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	288.02174 kHz	-78.46 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-21.19 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.21818 GHz	-56.41 dBm	-200.00 dB																												

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-DNH	4FSK	CH _{M3}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -44.80 dBm 876.011000 MHz 2 Result Summary <table><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>24.78959 kHz</td><td>-85.54 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>295.48238 kHz</td><td>-78.52 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>-11.88 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>1.31405 GHz</td><td>-49.93 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:49:02	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-85.54 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.52 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	438.00866 MHz	-11.88 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.31405 GHz	-49.93 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-85.54 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.52 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	438.00866 MHz	-11.88 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.31405 GHz	-49.93 dBm	-200.00 dB																												
TX-DNH	4FSK	CH _H	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions M1[1] -46.71 dBm 939.968000 MHz 2 Result Summary <table><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>24.99073 kHz</td><td>-86.39 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>295.48238 kHz</td><td>-78.61 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>469.98734 MHz</td><td>-3.52 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>3.28999 GHz</td><td>-55.36 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:49:25	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-86.39 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.61 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	469.98734 MHz	-3.52 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	3.28999 GHz	-55.36 dBm	-200.00 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	24.99073 kHz	-86.39 dBm	-200.00 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.61 dBm	-200.00 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	469.98734 MHz	-3.52 dBm	-200.00 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	3.28999 GHz	-55.36 dBm	-200.00 dB																												
TX-ANH	FM	CH _L	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions Limit Check Line _SPURIOUS_LINE_ABS_001 PASS PASS M1[1] -46.00 dBm 800.020000 MHz 2 Result Summary <table><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>9.10057 kHz</td><td>-85.63 dBm</td><td>-65.63 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-78.74 dBm</td><td>-58.74 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>-22.27 dBm</td><td>-2.27 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.20006 GHz</td><td>-56.87 dBm</td><td>-36.87 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:43:31	Range Low	Range Up	RBW	Frequency	Power Abs	Alimit	9.000 kHz	150.000 kHz	1.000 kHz	9.10057 kHz	-85.63 dBm	-65.63 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.74 dBm	-58.74 dB	30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-22.27 dBm	-2.27 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.20006 GHz	-56.87 dBm	-36.87 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Alimit																												
9.000 kHz	150.000 kHz	1.000 kHz	9.10057 kHz	-85.63 dBm	-65.63 dB																												
150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.74 dBm	-58.74 dB																												
30.000 MHz	1.000 GHz	100.000 kHz	399.99797 MHz	-22.27 dBm	-2.27 dB																												
1.000 GHz	5.000 GHz	1.000 MHz	1.20006 GHz	-56.87 dBm	-36.87 dB																												

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-ANH	FM	CH _{M1}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_001 ABS_001 PASS PASS M1[1] -46.70 dBm 811.962000 MHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Al Limit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>9.10057 kHz</td><td>-87.76 dBm</td><td>-67.76 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>295.48238 kHz</td><td>-79.50 dBm</td><td>-59.50 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>405.96934 MHz</td><td>-21.22 dBm</td><td>-1.22 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21793 GHz</td><td>-55.51 dBm</td><td>-35.51 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:45:05	Range Low	Range Up	RBW	Frequency	Power Abs	Al Limit	9.000 kHz	150.000 kHz	1.000 kHz	9.10057 kHz	-87.76 dBm	-67.76 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-79.50 dBm	-59.50 dB	30.000 MHz	1.000 GHz	100.000 kHz	405.96934 MHz	-21.22 dBm	-1.22 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21793 GHz	-55.51 dBm	-35.51 dB
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TX-ANH	FM	CH _{M2}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_001 ABS_001 PASS PASS M1[1] -46.49 dBm 812.205000 MHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Al Limit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>9.10057 kHz</td><td>-87.94 dBm</td><td>-67.94 dB</td></tr><tr><td>150.000 kHz</td><td>30.000 MHz</td><td>10.000 kHz</td><td>302.94301 kHz</td><td>-79.50 dBm</td><td>-59.50 dB</td></tr><tr><td>30.000 MHz</td><td>1.000 GHz</td><td>100.000 kHz</td><td>406.09059 MHz</td><td>-21.19 dBm</td><td>-1.19 dB</td></tr><tr><td>1.000 GHz</td><td>5.000 GHz</td><td>1.000 MHz</td><td>1.21843 GHz</td><td>-55.23 dBm</td><td>-35.23 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:45:45	Range Low	Range Up	RBW	Frequency	Power Abs	Al Limit	9.000 kHz	150.000 kHz	1.000 kHz	9.10057 kHz	-87.94 dBm	-67.94 dB	150.000 kHz	30.000 MHz	10.000 kHz	302.94301 kHz	-79.50 dBm	-59.50 dB	30.000 MHz	1.000 GHz	100.000 kHz	406.09059 MHz	-21.19 dBm	-1.19 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.21843 GHz	-55.23 dBm	-35.23 dB
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TX-ANH	FM	CH _{M3}	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_001 ABS_001 PASS PASS M1[1] -45.05 dBm 876.011000 MHz 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Al Limit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>24.78959 kHz</td><td>-83.87 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>302.94301 kHz</td><td>-79.02 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>-11.92 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>1.31405 GHz</td><td>-49.77 dBm</td><td>-200.00 dB</td></tr></tbody></table> Date: 20 JUL 2022 21:46:24	Range Low	Range Up	RBW	Frequency	Power Abs	Al Limit	9.000 kHz	150.000 kHz	1.000 kHz	24.78959 kHz	-83.87 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	302.94301 kHz	-79.02 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	438.00866 MHz	-11.92 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	1.31405 GHz	-49.77 dBm	-200.00 dB
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Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																														
TX-ANH	FM	CH _H	MultiViewSpectrum Ref Level 10.00 dBm Offset 20.50 dB Mode Auto Sweep 1 Spurious Emissions 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm 9.0 kHz 68704 pts 500.0 MHz/ 5.0 GHz M1 Max M1[1] -46.80 dBm 939.968000 MHz SPURIOUS_LINE_ABS_001 M1 2 Result Summary <table><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>AI limit</th></tr></thead><tbody><tr><td>9.000 kHz</td><td>150.000 kHz</td><td>1.000 kHz</td><td>24.38730 kHz</td><td>-87.71 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>295.48238 kHz</td><td>-78.54 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>469.98734 MHz</td><td>-3.56 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>3.28987 GHz</td><td>-55.61 dBm</td><td>-200.00 dB</td></tr></tbody></table> Measuring... 20.07.2022 21:46:47 Date: 20 JUL 2022 21:46:47	Range Low	Range Up	RBW	Frequency	Power Abs	AI limit	9.000 kHz	150.000 kHz	1.000 kHz	24.38730 kHz	-87.71 dBm	-200.00 dB	150.000 kHz	30.000 MHz	10.000 kHz	295.48238 kHz	-78.54 dBm	-200.00 dB	30.000 MHz	1.000 GHz	100.000 kHz	469.98734 MHz	-3.56 dBm	-200.00 dB	1.000 GHz	5.000 GHz	1.000 MHz	3.28987 GHz	-55.61 dBm	-200.00 dB
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