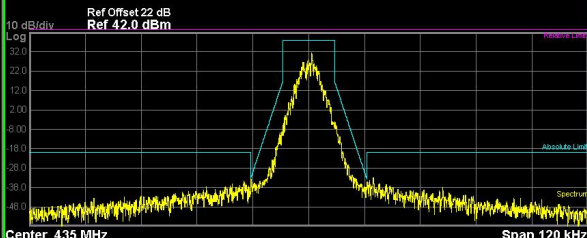
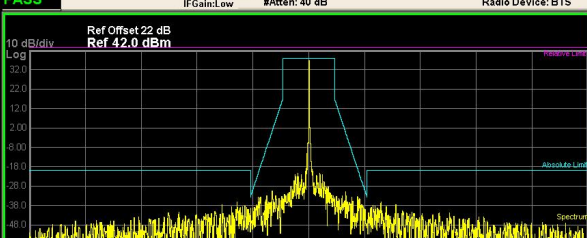
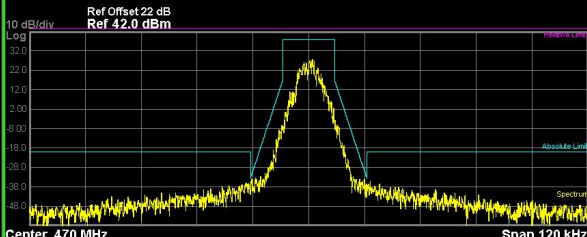


Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE-PULSE ALIGN-AUTO 09:30:09 AM Jun 20, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 8.00 18.0 28.0 38.0 48.0 32.0 22.0 12.0 2.00 8

Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 09:37:07 AM Jun 20, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 40.09 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.70</td><td>(-9.99)</td><td>0.0</td><td>31.32</td><td>(-6.37)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.54</td><td>(-1.61)</td><td>-12.25 k</td><td>-38.13</td><td>(-4.39)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.76</td><td>(-14.76)</td><td>-13.90 k</td><td>-32.98</td><td>(-12.98)</td><td>13.95 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></table> File <Temp.png> saved STATUS Frequency Center Freq 435.000000 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	27.70	(-9.99)	0.0	31.32	(-6.37)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.54	(-1.61)	-12.25 k	-38.13	(-4.39)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.76	(-14.76)	-13.90 k	-32.98	(-12.98)	13.95 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	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 09:43:11 AM Jun 20, 2024 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 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 36.91 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>-5.91</td><td>(-43.48)</td><td>-50.00</td><td>36.73</td><td>(-1.16)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.24</td><td>(-5.69)</td><td>-12.50 k</td><td>-40.03</td><td>(-8.68)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.23</td><td>(-16.23)</td><td>-15.30 k</td><td>-36.14</td><td>(-16.14)</td><td>15.60 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><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></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	-5.91	(-43.48)	-50.00	36.73	(-1.16)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.24	(-5.69)	-12.50 k	-40.03	(-8.68)	12.20 k	12.50 kHz	60.00 kHz	100.0 Hz	-36.23	(-16.23)	-15.30 k	-36.14	(-16.14)	15.60 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Q AC SENSE: PULSE ALIGN: AUTO 09:43:51 AM Jun 20, 2024 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 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 39.29 dBm 0.0125 MHz <table><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><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.20</td><td>(-11.69)</td><td>-900.0</td><td>27.57</td><td>(-10.32)</td><td>850.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.15</td><td>(-2.79)</td><td>-12.20 k</td><td>-36.59</td><td>(-3.40)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.91</td><td>(-15.91)</td><td>-13.40 k</td><td>-35.15</td><td>(-15.15)</td><td>13.30 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></table> File <Temp.png> saved 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	26.20	(-11.69)	-900.0	27.57	(-10.32)	850.0	5.625 kHz	12.50 kHz	100.0 Hz	-34.15	(-2.79)	-12.20 k	-36.59	(-3.40)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.91	(-15.91)	-13.40 k	-35.15	(-15.15)	13.30 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																																																																																																																					
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:53:15 PM Jun 19, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 26.0 38.0 Center 400 MHz Span 120 kHz Total Power Ref 46.89 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>31.66</td><td>(-16.02)</td><td>0.0</td><td>46.91</td><td>(-0.76)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.46</td><td>(-2.70)</td><td>-12.50 k</td><td>-28.88</td><td>(-6.21)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.34</td><td>(-6.34)</td><td>-13.10 k</td><td>-26.43</td><td>(-6.43)</td><td>13.30 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> File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_L</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:53:37 PM Jun 19, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 26.0 38.0 Center 400 MHz Span 120 kHz Total Power Ref 46.93 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>38.82</td><td>(-8.85)</td><td>-2.400 k</td><td>45.25</td><td>(-2.42)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.79</td><td>(-0.38)</td><td>-12.45 k</td><td>-26.61</td><td>(-2.84)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-23.46</td><td>(-3.46)</td><td>-12.70 k</td><td>-21.65</td><td>(-1.65)</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><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 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_M</td><td> Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:57:20 PM Jun 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 9.00 1.00 19.0 29.0 39.0 Center 435 MHz Span 120 kHz Total Power Ref 47.15 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>10.63</td><td>(-36.67)</td><td>0.0</td><td>46.58</td><td>(-0.73)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.70</td><td>(-3.94)</td><td>-12.45 k</td><td>-29.38</td><td>(-5.61)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.84</td><td>(-7.84)</td><td>-15.55 k</td><td>-27.98</td><td>(-7.98)</td><td>12.75 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 STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz </td></tr></td></tr>	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	31.66	(-16.02)	0.0	46.91	(-0.76)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.46	(-2.70)	-12.50 k	-28.88	(-6.21)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.34	(-6.34)	-13.10 k	-26.43	(-6.43)	13.30 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	—	(—)	—	—	(—)	—	TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:53:37 PM Jun 19, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 52.0 dBm 10 dB/div Log 42.0 32.0 22.0 12.0 2.00 0.00 18.0 26.0 38.0 Center 400 MHz Span 120 kHz Total Power Ref 46.93 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>38.82</td><td>(-8.85)</td><td>-2.400 k</td><td>45.25</td><td>(-2.42)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-23.79</td><td>(-0.38)</td><td>-12.45 k</td><td>-26.61</td><td>(-2.84)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-23.46</td><td>(-3.46)</td><td>-12.70 k</td><td>-21.65</td><td>(-1.65)</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><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 400.012500 MHz CF Step 12.000 kHz Auto Man Freq Offset 0 Hz <tr><td>TX-ANH</td><td>FM</td><td>CH_M</td><td> Agilent Spectrum Analyzer - 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TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:57:20 PM Jun 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 9.00 1.00 19.0 29.0 39.0 Center 435 MHz Span 120 kHz Total Power Ref 47.15 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>10.63</td><td>(-36.67)</td><td>0.0</td><td>46.58</td><td>(-0.73)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-27.70</td><td>(-3.94)</td><td>-12.45 k</td><td>-29.38</td><td>(-5.61)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-27.84</td><td>(-7.84)</td><td>-15.55 k</td><td>-27.98</td><td>(-7.98)</td><td>12.75 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 STATUS Frequency Center Freq 435.000000 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	10.63	(-36.67)	0.0	46.58	(-0.73)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-27.70	(-3.94)	-12.45 k	-29.38	(-5.61)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-27.84	(-7.84)	-15.55 k	-27.98	(-7.98)	12.75 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-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:57:42 PM Jun 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 1.00 0.00 -9.00 -19.0 -29.0 -39.0 Center 435 MHz Span 120 kHz Total Power Ref 47.04 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>38.68</td><td>(-8.63)</td><td>-2.350 k</td><td>44.85</td><td>(-2.46)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-25.15</td><td>(-2.11)</td><td>-12.35 k</td><td>-25.20</td><td>(-1.07)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-24.31</td><td>(-4.31)</td><td>-14.25 k</td><td>-24.73</td><td>(-4.73)</td><td>18.05 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 435.000000 MHz CF Step 12.000 kHz Man Auto 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	38.68	(-8.63)	-2.350 k	44.85	(-2.46)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-25.15	(-2.11)	-12.35 k	-25.20	(-1.07)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-24.31	(-4.31)	-14.25 k	-24.73	(-4.73)	18.05 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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 04:06:40 PM Jun 19, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 1.00 0.00 -9.00 -19.0 -29.0 -39.0 Center 470 MHz Span 120 kHz Total Power Ref 46.57 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>25.54</td><td>(-21.76)</td><td>0.0</td><td>46.59</td><td>(-0.72)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-26.95</td><td>(-4.28)</td><td>-12.30 k</td><td>-26.99</td><td>(-2.86)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.47</td><td>(-6.47)</td><td>-12.90 k</td><td>-26.59</td><td>(-6.59)</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> File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 MHz CF Step 12.000 kHz Man Auto 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	25.54	(-21.76)	0.0	46.59	(-0.72)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-26.95	(-4.28)	-12.30 k	-26.99	(-2.86)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-26.47	(-6.47)	-12.90 k	-26.59	(-6.59)	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-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 04:07:02 PM Jun 19, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 51.0 dBm 10 dB/div Log 41.0 31.0 21.0 11.0 1.00 0.00 -9.00 -19.0 -29.0 -39.0 Center 470 MHz Span 120 kHz Total Power Ref 46.60 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>38.57</td><td>(-8.73)</td><td>-2.400 k</td><td>44.85</td><td>(-2.46)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-25.13</td><td>(-1.36)</td><td>-12.45 k</td><td>-25.24</td><td>(-1.11)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-25.14</td><td>(-5.14)</td><td>-13.40 k</td><td>-23.24</td><td>(-3.24)</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 469.987500 MHz CF Step 12.000 kHz Man Auto 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	38.57	(-8.73)	-2.400 k	44.85	(-2.46)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-25.13	(-1.36)	-12.45 k	-25.24	(-1.11)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-25.14	(-5.14)	-13.40 k	-23.24	(-3.24)	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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Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:55:22 PM Jun 19, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log Center 400 MHz Span 120 kHz Total Power Ref 37.47 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>16.59</td><td>(-21.72)</td><td>0.0</td><td>37.45</td><td>(-0.86)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.40</td><td>(-3.72)</td><td>-12.30 k</td><td>-35.77</td><td>(-2.64)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.45</td><td>(-14.45)</td><td>-14.55 k</td><td>-34.46</td><td>(-14.46)</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> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 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	16.59	(-21.72)	0.0	37.45	(-0.86)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.40	(-3.72)	-12.30 k	-35.77	(-2.64)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.45	(-14.45)	-14.55 k	-34.46	(-14.46)	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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TX-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 03:55:49 PM Jun 19, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run Avg: 100.00% of 10 #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log Center 400 MHz Span 120 kHz Total Power Ref 37.49 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>29.35</td><td>(-8.95)</td><td>-2.400 k</td><td>35.79</td><td>(-2.52)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-33.29</td><td>(-0.89)</td><td>-12.40 k</td><td>-32.69</td><td>(-1.21)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.74</td><td>(-14.74)</td><td>-18.95 k</td><td>-33.44</td><td>(-13.44)</td><td>13.45 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> MSO File <Temp.png> saved STATUS Frequency Center Freq 400.012500 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	29.35	(-8.95)	-2.400 k	35.79	(-2.52)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-33.29	(-0.89)	-12.40 k	-32.69	(-1.21)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-34.74	(-14.74)	-18.95 k	-33.44	(-13.44)	13.45 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 _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 150 Q AC SENSE: PULSE ALIGN: AUTO 04:02:26 PM Jun 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low Trig: Free Run #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 41.0 dBm 10 dB/div Log Center 435 MHz Span 120 kHz Total Power Ref 36.99 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>1.911</td><td>(-35.49)</td><td>0.0</td><td>36.46</td><td>(-0.94)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.41</td><td>(-3.92)</td><td>-12.15 k</td><td>-35.38</td><td>(-2.43)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.79</td><td>(-17.79)</td><td>-13.30 k</td><td>-36.40</td><td>(-16.40)</td><td>12.70 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> MSO File <MASK D.state> recalled STATUS Frequency Center Freq 435.000000 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	1.911	(-35.49)	0.0	36.46	(-0.94)	100.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.41	(-3.92)	-12.15 k	-35.38	(-2.43)	12.35 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.79	(-17.79)	-13.30 k	-36.40	(-16.40)	12.70 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

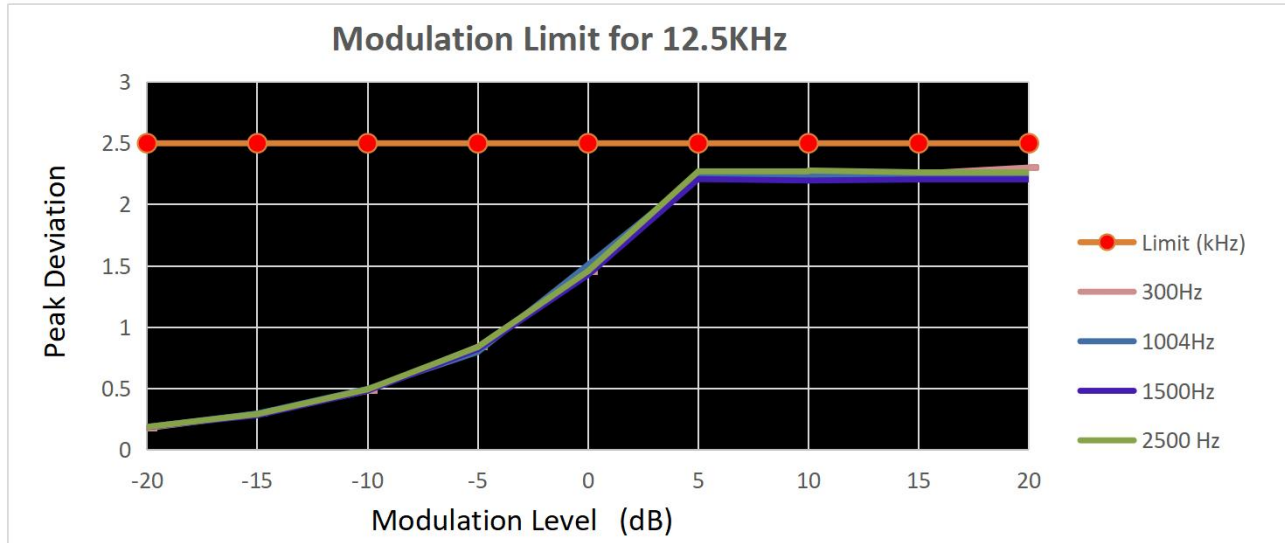
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																						
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 04:02:48 PM Jun 19, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS PASS Ref Offset 22 dB Ref 41.0 dBm 10 dB/div Log 31.0 21.0 11.0 1.00 0.00 19.0 9.00 39.0 49.0 Spectrum Center 435 MHz Span 120 kHz Total Power Ref 37.06 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 ></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>28.63</td><td>(-8.76)</td><td>-2.400 k</td><td>34.81</td><td>(-2.58)</td><td>100.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.05</td><td>(-0.74)</td><td>-12.40 k</td><td>-33.02</td><td>(-1.52)</td><td>12.15 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.33</td><td>(-14.33)</td><td>-15.35 k</td><td>-33.45</td><td>(-13.45)</td><td>14.45 k</td><td></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><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><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><td></td></tr></tbody></table> File <Temp.png> saved STATUS Frequency Center Freq 435.000000 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	28.63	(-8.76)	-2.400 k	34.81	(-2.58)	100.0		5.625 kHz	12.50 kHz	100.0 Hz	-34.05	(-0.74)	-12.40 k	-33.02	(-1.52)	12.15 k		12.50 kHz	60.00 kHz	100.0 Hz	-34.33	(-14.33)	-15.35 k	-33.45	(-13.45)	14.45 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 _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 04:59:15 PM Jun 19, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS PASS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 0.00 18.0 8.00 38.0 48.0 Spectrum Center 470 MHz Span 120 kHz Total Power Ref 37.66 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 ></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>10.02</td><td>(-27.84)</td><td>0.0</td><td>37.07</td><td>(-0.80)</td><td>100.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.88</td><td>(8.94)</td><td>-12.00 k</td><td>-37.15</td><td>(-5.39)</td><td>12.25 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.40</td><td>(-17.40)</td><td>-12.90 k</td><td>-37.40</td><td>(-17.40)</td><td>13.15 k</td><td></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><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><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><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	10.02	(-27.84)	0.0	37.07	(-0.80)	100.0		5.625 kHz	12.50 kHz	100.0 Hz	-36.88	(8.94)	-12.00 k	-37.15	(-5.39)	12.25 k		12.50 kHz	60.00 kHz	100.0 Hz	-37.40	(-17.40)	-12.90 k	-37.40	(-17.40)	13.15 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 RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 04:08:37 PM Jun 19, 2024 Center Freq 469.987500 MHz Center Freq: 469.987500 MHz Radio Std: None Trig: Free Run Avg: 100.00% of 10 IF Gain: Low #Atten: 40 dB Radio Device: BTS PASS Ref Offset 22 dB Ref 42.0 dBm 10 dB/div Log 32.0 22.0 12.0 2.00 0.00 18.0 8.00 38.0 48.0 Spectrum Center 470 MHz Span 120 kHz Total Power Ref 37.56 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 ></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>29.05</td><td>(-8.81)</td><td>-2.350 k</td><td>35.39</td><td>(-2.47)</td><td>150.0</td><td></td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.13</td><td>(-1.91)</td><td>-12.45 k</td><td>-32.86</td><td>(-0.73)</td><td>12.30 k</td><td></td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-32.70</td><td>(-12.70)</td><td>-13.70 k</td><td>-32.12</td><td>(-12.12)</td><td>14.70 k</td><td></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><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><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><td></td></tr></tbody></table> File <Temp.png> saved 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	29.05	(-8.81)	-2.350 k	35.39	(-2.47)	150.0		5.625 kHz	12.50 kHz	100.0 Hz	-35.13	(-1.91)	-12.45 k	-32.86	(-0.73)	12.30 k		12.50 kHz	60.00 kHz	100.0 Hz	-32.70	(-12.70)	-13.70 k	-32.12	(-12.12)	14.70 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 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 _M	-20	0.177	0.186	0.186	0.187	2.5	PASS
TX-ANH	FM	CH _M	-15	0.294	0.296	0.281	0.291	2.5	PASS
TX-ANH	FM	CH _M	-10	0.481	0.497	0.482	0.493	2.5	PASS
TX-ANH	FM	CH _M	-5	0.840	0.798	0.821	0.838	2.5	PASS
TX-ANH	FM	CH _M	0	1.449	1.509	1.426	1.457	2.5	PASS
TX-ANH	FM	CH _M	5	2.241	2.235	2.208	2.271	2.5	PASS
TX-ANH	FM	CH _M	10	2.234	2.242	2.196	2.278	2.5	PASS
TX-ANH	FM	CH _M	15	2.253	2.233	2.205	2.263	2.5	PASS
TX-ANH	FM	CH _M	20	2.302	2.251	2.201	2.266	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

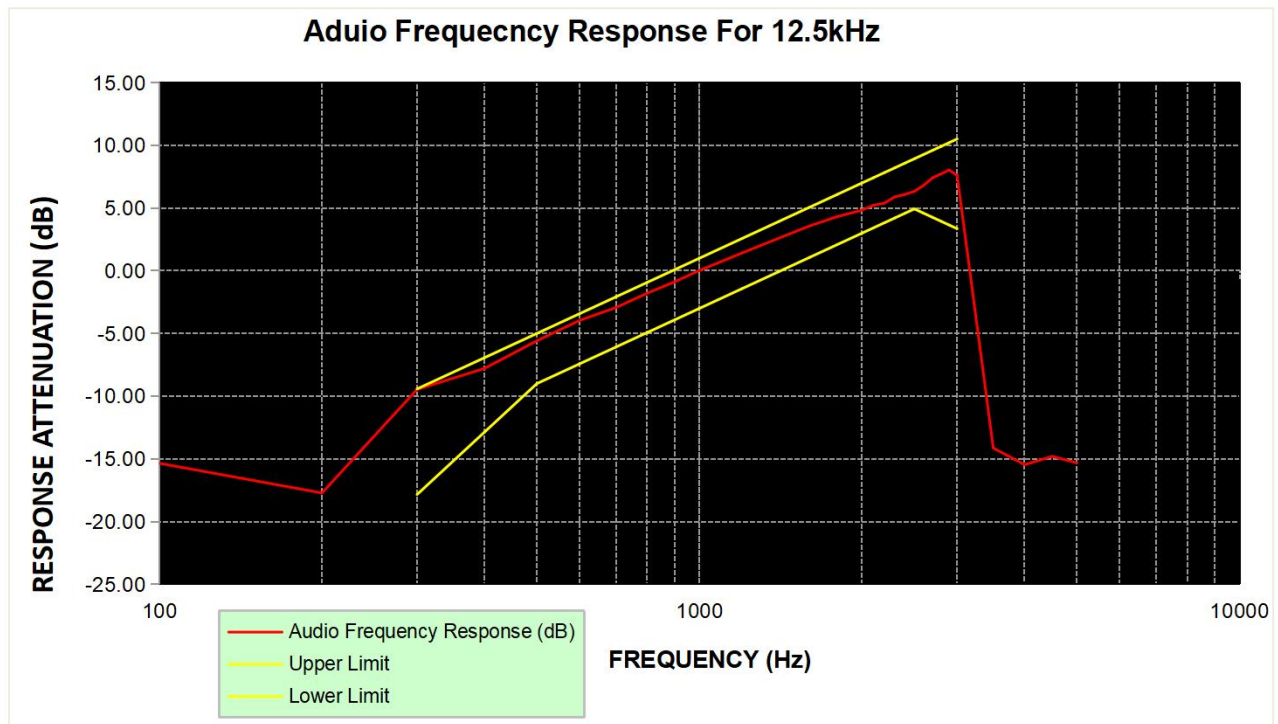


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-15.36			PASS
TX-ANH	FM	CH _M	200	-17.72			PASS
TX-ANH	FM	CH _M	300	-9.47	-17.84	-9.42	PASS
TX-ANH	FM	CH _M	400	-7.79	-12.86	-6.93	PASS
TX-ANH	FM	CH _M	500	-5.59	-9.00	-5.00	PASS
TX-ANH	FM	CH _M	600	-3.96	-7.42	-3.42	PASS
TX-ANH	FM	CH _M	700	-2.94	-6.09	-2.09	PASS
TX-ANH	FM	CH _M	800	-1.79	-4.93	-0.93	PASS
TX-ANH	FM	CH _M	900	-0.88	-3.91	0.09	PASS
TX-ANH	FM	CH _M	1000	0.03	-3.00	1.00	PASS
TX-ANH	FM	CH _M	1200	1.42	-1.42	2.58	PASS
TX-ANH	FM	CH _M	1400	2.58	-0.09	3.91	PASS
TX-ANH	FM	CH _M	1600	3.58	1.07	5.07	PASS
TX-ANH	FM	CH _M	1800	4.32	2.09	6.09	PASS
TX-ANH	FM	CH _M	2000	4.83	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	5.23	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	5.39	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	5.89	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	6.09	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	6.33	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	6.81	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	7.40	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	7.72	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	8.03	3.65	10.22	PASS
TX-ANH	FM	CH _M	3000	7.60	3.35	10.51	PASS
TX-ANH	FM	CH _M	3500	-14.13			PASS
TX-ANH	FM	CH _M	4000	-15.47			PASS
TX-ANH	FM	CH _M	4500	-14.80			PASS
TX-ANH	FM	CH _M	5000	-15.32			PASS

Appendix E:Audio Frequency Response

TEST PLOT RESULT



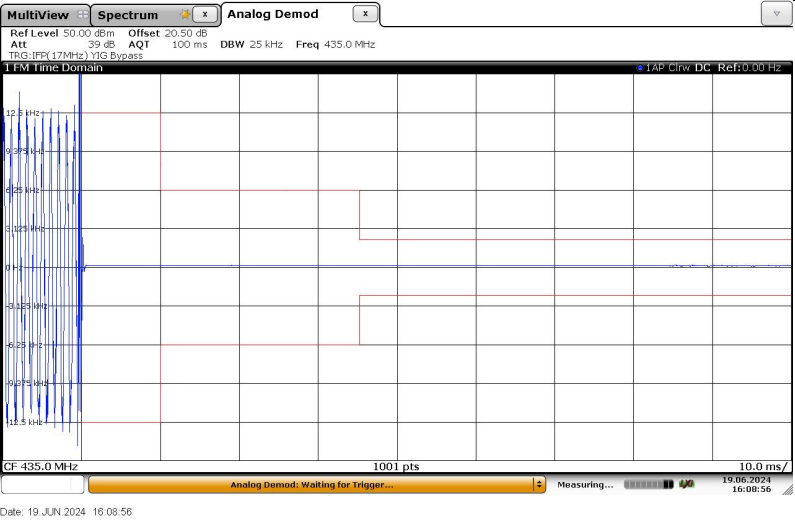
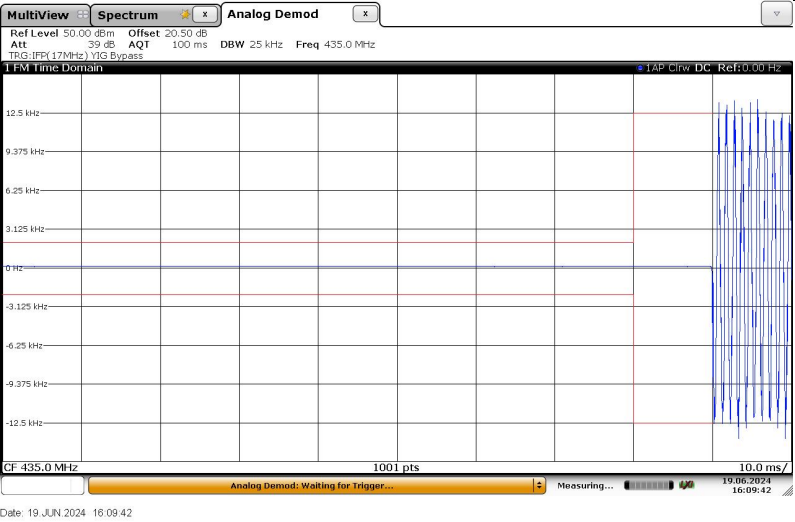
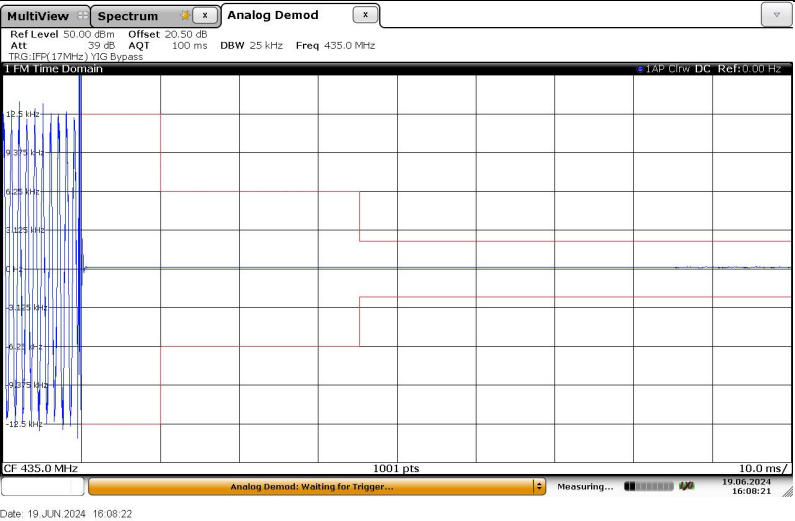
Appendix F:Frequency Stability Test & Temperature

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-DNH	4FSK	V _N	-30	0.065	0.047	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.069	0.044	0.062	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.069	0.046	0.063	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.068	0.046	0.064	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.064	0.045	0.061	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.063	0.043	0.058	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.069	0.045	0.059	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.068	0.047	0.060	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.065	0.046	0.061	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.028	0.372	0.031	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.028	0.352	0.032	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.026	0.366	0.034	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.027	0.342	0.034	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.027	0.360	0.032	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.026	0.339	0.031	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.028	0.364	0.031	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.028	0.361	0.033	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.026	0.355	0.032	±5.0	PASS
TX-ANH	FM	V _N	-30	0.035	0.350	0.044	±5.0	PASS
TX-ANH	FM	V _N	-20	0.036	0.338	0.044	±5.0	PASS
TX-ANH	FM	V _N	-10	0.036	0.354	0.042	±5.0	PASS
TX-ANH	FM	V _N	0	0.034	0.350	0.045	±5.0	PASS
TX-ANH	FM	V _N	10	0.036	0.333	0.041	±5.0	PASS
TX-ANH	FM	V _N	20	0.033	0.323	0.041	±5.0	PASS
TX-ANH	FM	V _N	30	0.035	0.330	0.044	±5.0	PASS
TX-ANH	FM	V _N	40	0.035	0.345	0.043	±5.0	PASS
TX-ANH	FM	V _N	50	0.034	0.348	0.045	±5.0	PASS
TX-ANL	FM	V _N	-30	0.077	0.074	0.070	±5.0	PASS
TX-ANL	FM	V _N	-20	0.071	0.077	0.070	±5.0	PASS
TX-ANL	FM	V _N	-10	0.071	0.079	0.067	±5.0	PASS
TX-ANL	FM	V _N	0	0.072	0.073	0.071	±5.0	PASS
TX-ANL	FM	V _N	10	0.071	0.074	0.066	±5.0	PASS
TX-ANL	FM	V _N	20	0.071	0.072	0.065	±5.0	PASS
TX-ANL	FM	V _N	30	0.077	0.078	0.069	±5.0	PASS
TX-ANL	FM	V _N	40	0.075	0.072	0.067	±5.0	PASS
TX-ANL	FM	V _N	50	0.075	0.074	0.070	±5.0	PASS

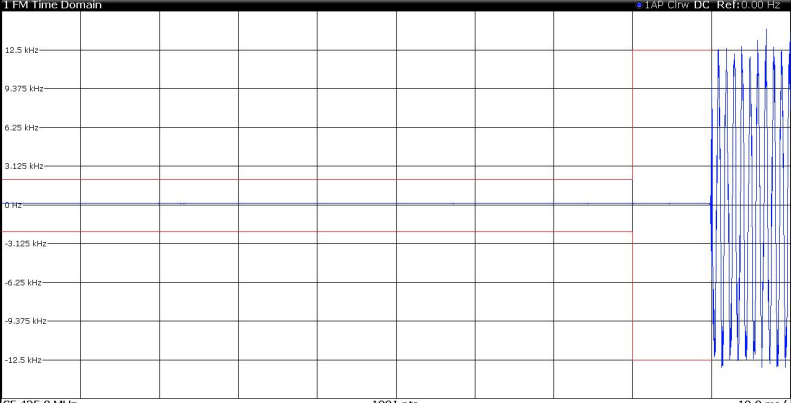
Appendix G:Frequency Stability Test & Voltage

Operation Mode	Modulation Type	Test Conditions		Frequency error (ppm)			Limit (ppm)	Result
		Voltage	Temperature	CH _L	CH _M	CH _H		
TX-DNH	4FSK	V _N	T _N	0.063	0.043	0.058	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.064	0.044	0.059	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.065	0.044	0.061	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.026	0.339	0.031	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.026	0.345	0.031	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.027	0.357	0.032	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.033	0.323	0.041	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.033	0.324	0.042	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.033	0.340	0.041	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.071	0.072	0.065	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.071	0.072	0.066	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.074	0.072	0.068	±5.0	PASS

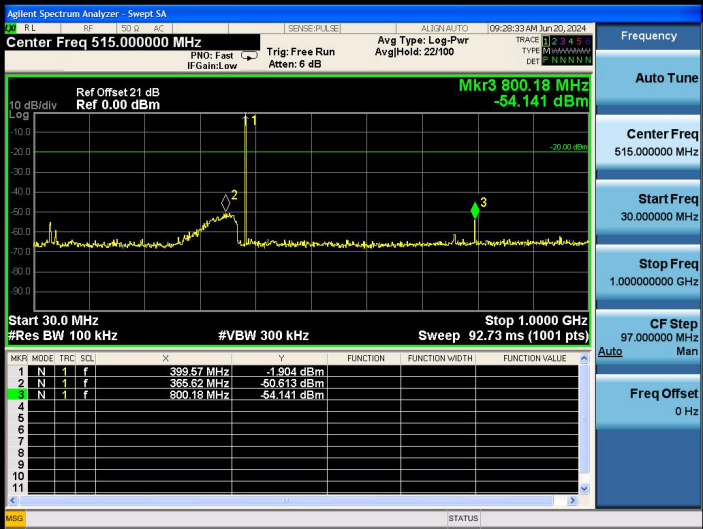
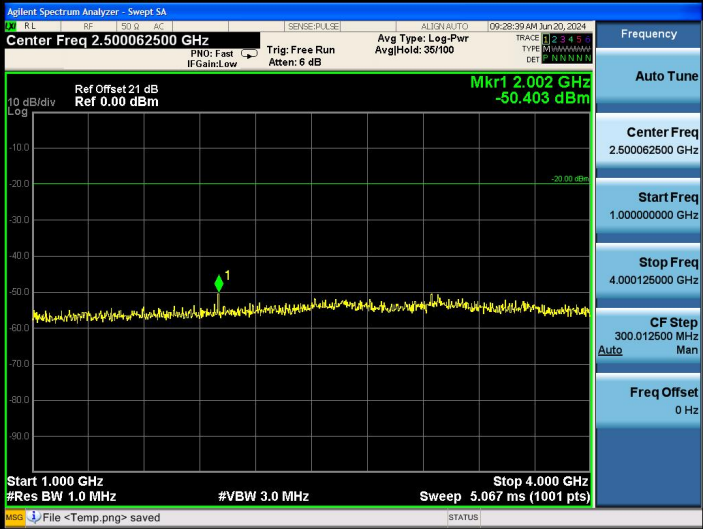
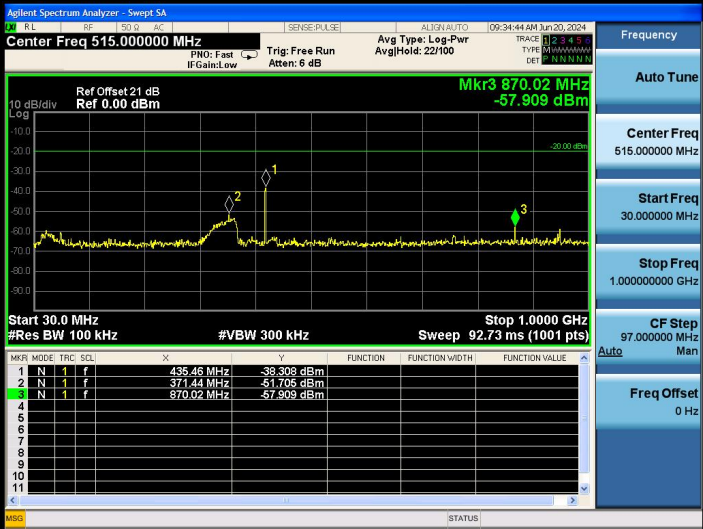
Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	 MultiView Spectrum Analog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFPX(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz 1001 pts 10.0 ms/ Analog Demod: Waiting for Trigger... Measuring... 19.06.2024 16:08:56 Date: 19 JUN 2024 16:08:56 OFF~ON
TX-DNH	4FSK	CH _M	 MultiView Spectrum Analog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFPX(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz 1001 pts 10.0 ms/ Analog Demod: Waiting for Trigger... Measuring... 19.06.2024 16:09:42 Date: 19 JUN 2024 16:09:42 ON-OFF
TX-ANH	FM	CH _M	 MultiView Spectrum Analog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFPX(17MHz) YIG Bypass 1 FM Time Domain CF 435.0 MHz 1001 pts 10.0 ms/ Analog Demod: Waiting for Trigger... Measuring... 19.06.2024 16:08:21 Date: 19 JUN 2024 16:08:22 OFF~ON

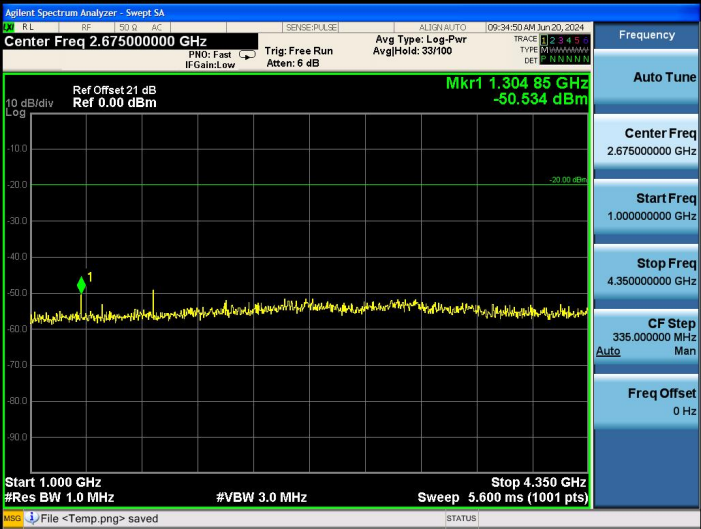
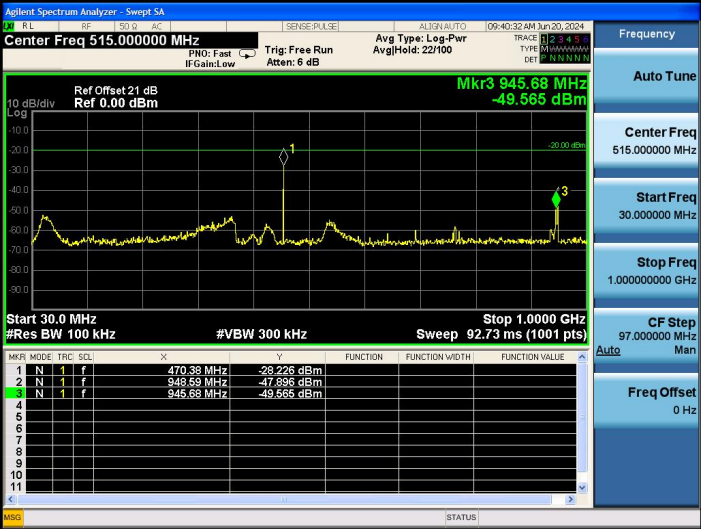
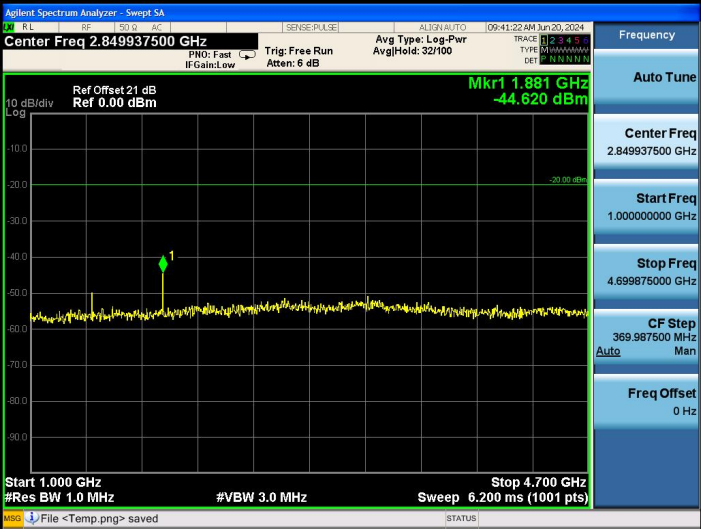
Appendix H:Transmitter Frequency Behavior

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-ANH	FM	CH _M	MultiView Spectrum Analog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz Trig: (FEX 17MHz) 100 Bypass 1 FM Time Domain  CF 435.0 MHz 1001 pts 10.0 ms Analog Demod. Waiting for Trigger... Measuring... 19.06.2024 16:09:26 Date: 19 JUN 2024 16:09:27 ON-OFF

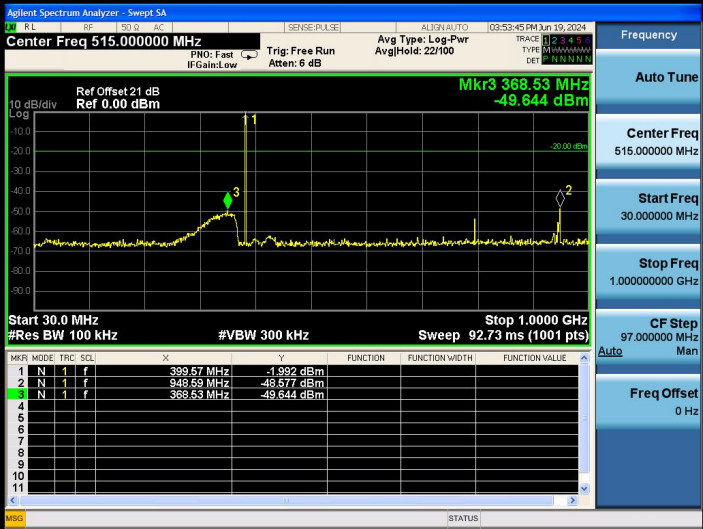
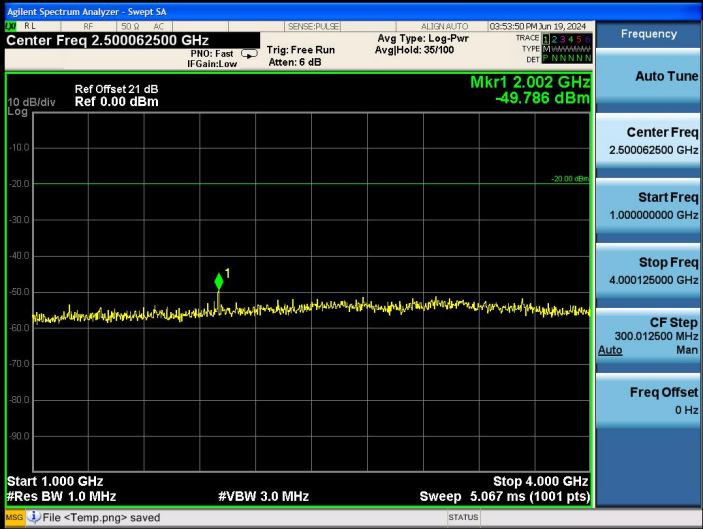
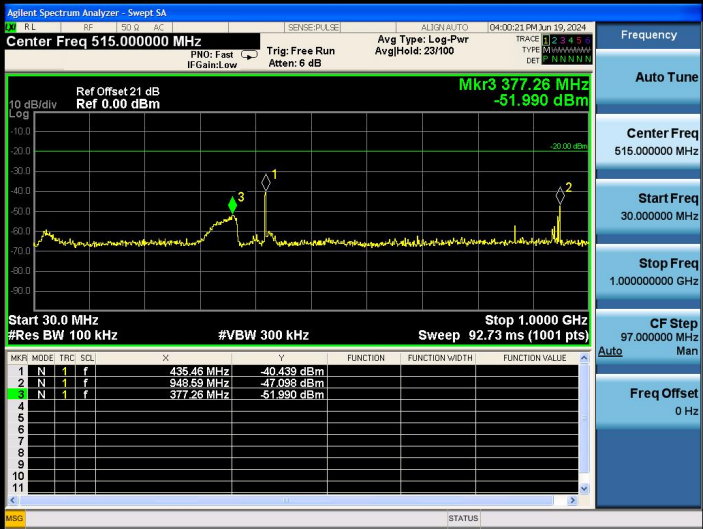
Appendix I:Spurious Emission On Antenna Port

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

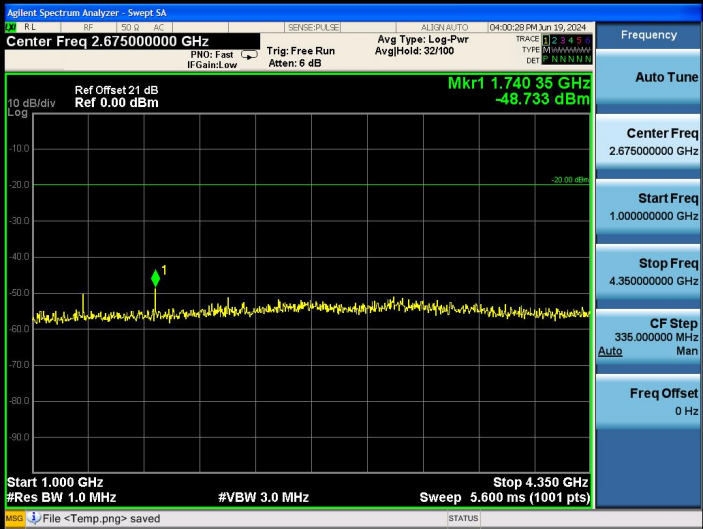
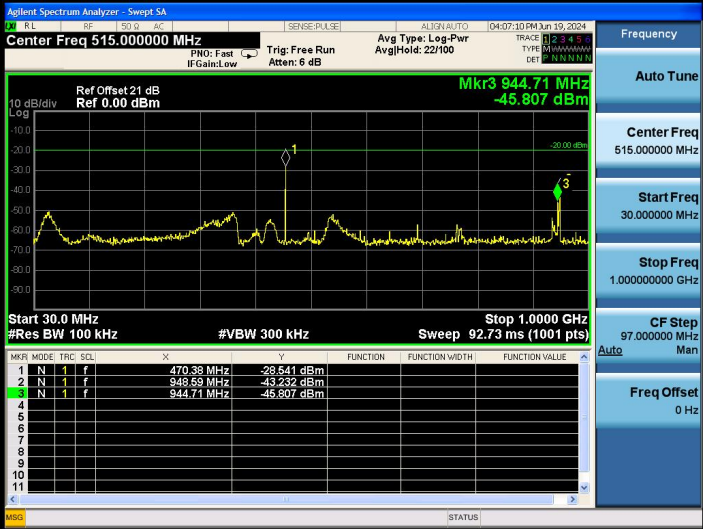
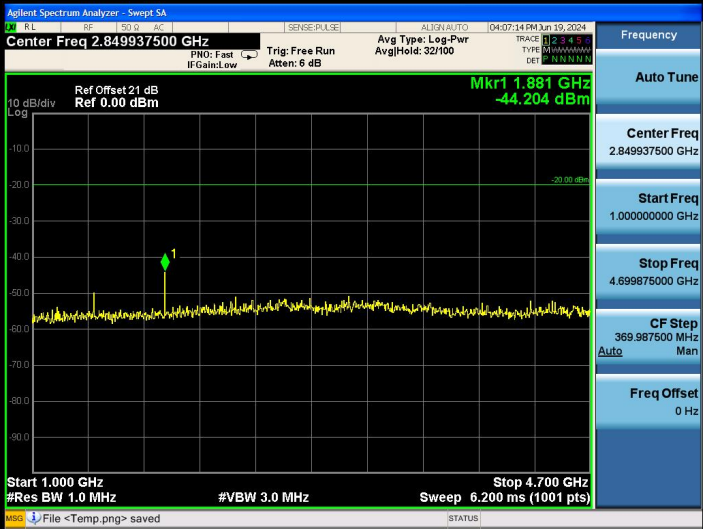
Appendix I:Spurious Emission On Antenna Port

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

Appendix I:Spurious Emission On Antenna Port

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

Appendix I:Spurious Emission On Antenna Port

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

----End of Report----