

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 50 Ω AC SENSE-PULSE ALIGN-AUTO 01:56:29 PM Jun 11, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Center 400 MHz Span 120 kHz Total Power Ref 32.92 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>32.21</td><td>(-0.90)</td><td>0.0</td><td>32.36</td><td>(-0.75)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.90</td><td>(-3.66)</td><td>-12.35 k</td><td>-40.33</td><td>(-2.73)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.20</td><td>(-21.20)</td><td>-14.05 k</td><td>-41.02</td><td>(-21.02)</td><td>14.15 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> MSOFile <MASK D.state> recalledSTATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz AutoMan 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	32.21	(-0.90)	0.0	32.36	(-0.75)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.90	(-3.66)	-12.35 k	-40.33	(-2.73)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.20	(-21.20)	-14.05 k	-41.02	(-21.02)	14.15 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-DNL	4FSK	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE-PULSE ALIGN-AUTO 01:59:24 PM Jun 11, 2024 Center Freq 400.012500 MHz Center Freq: 400.012500 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 37.0 dBm 10 dB/div Log 27.0 17.0 7.00 3.00 13.0 23.0 33.0 43.0 53.0 Center 400 MHz Span 120 kHz Total Power Ref 28.38 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>13.87</td><td>(-19.24)</td><td>-400.0</td><td>19.48</td><td>(-13.63)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.68</td><td>(-4.09)</td><td>-12.40 k</td><td>-42.73</td><td>(-5.13)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.93</td><td>(-22.93)</td><td>-12.50 k</td><td>-42.08</td><td>(-22.08)</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> MSOFile <Temp.png> savedSTATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz AutoMan 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	13.87	(-19.24)	-400.0	19.48	(-13.63)	700.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.68	(-4.09)	-12.40 k	-42.73	(-5.13)	12.40 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.93	(-22.93)	-12.50 k	-42.08	(-22.08)	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	—	(—)	—	—	(—)	—
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TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE-PULSE ALIGN-AUTO 09:26:15 AM Jun 12, 2024 Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None PASS IF Gain: Low #Atten: 40 dB Radio Device: BTS Ref Offset 22 dB Ref 36.0 dBm 10 dB/div Log 20.0 16.0 6.00 4.00 14.0 24.0 34.0 44.0 54.0 Center 435 MHz Span 120 kHz Total Power Ref 31.37 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>31.25</td><td>(-0.83)</td><td>0.0</td><td>31.25</td><td>(-0.83)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.30</td><td>(-4.48)</td><td>-12.15 k</td><td>-41.39</td><td>(-4.57)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.09</td><td>(-22.09)</td><td>-12.80 k</td><td>-42.05</td><td>(-22.05)</td><td>15.15 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> MSOFile <MASK D.state> recalledSTATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz AutoMan 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	31.25	(-0.83)	0.0	31.25	(-0.83)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.30	(-4.48)	-12.15 k	-41.39	(-4.57)	12.15 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.09	(-22.09)	-12.80 k	-42.05	(-22.05)	15.15 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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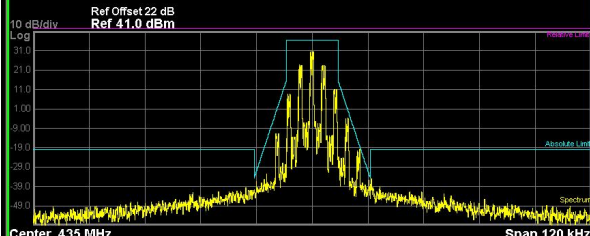
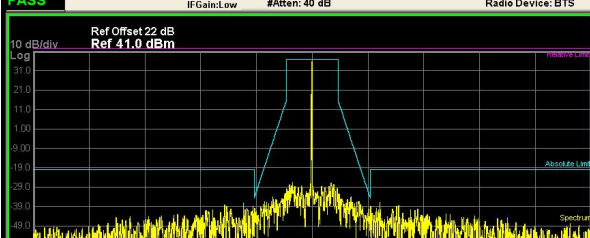
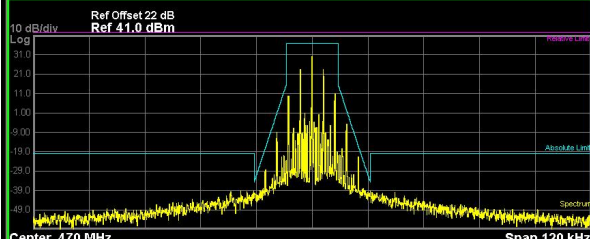
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-DNL	4FSK	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 09:29:05 AM Jun 12, 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 36.0 dBm 10 dB/div Log 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 -60.0 20.0 16.0 12.0 8.0 4.0 0.0 -4.0 -8.0 -12.0 -16.0 -20.0 -24.0 -28.0 -32.0 -36.0 -40.0 -44.0 -48.0 -52.0 -56.0 -60.0 Center 435 MHz Span 120 kHz Total Power Ref 30.37 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>16.51</td><td>(-15.57)</td><td>-1.850 k</td><td>19.86</td><td>(-12.22)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.73</td><td>(-5.82)</td><td>-12.30 k</td><td>-42.05</td><td>(-4.14)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.96</td><td>(-24.96)</td><td>-14.15 k</td><td>-43.71</td><td>(-23.71)</td><td>13.15 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> MSG File <Temp.png> saved STATUS Frequency Center Freq 435.000000 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	16.51	(-15.57)	-1.850 k	19.86	(-12.22)	650.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.73	(-5.82)	-12.30 k	-42.05	(-4.14)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-44.96	(-24.96)	-14.15 k	-43.71	(-23.71)	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-DNL	4FSK	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50.0 AC SENSE:PULSE ALIGN:AUTO 09:44:36 AM Jun 12, 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 37.0 dBm 10 dB/div Log 20.0 17.0 14.0 11.0 8.0 5.0 2.0 -1.0 -4.0 -7.0 -10.0 -13.0 -16.0 -19.0 -22.0 -25.0 -28.0 -31.0 -34.0 -37.0 -40.0 -43.0 -46.0 -49.0 -52.0 -55.0 -58.0 -61.0 -64.0 -67.0 -70.0 20.0 17.0 14.0 11.0 8.0 5.0 2.0 -1.0 -4.0 -7.0 -10.0 -13.0 -16.0 -19.0 -22.0 -25.0 -28.0 -31.0 -34.0 -37.0 -40.0 -43.0 -46.0 -49.0 -52.0 -55.0 -58.0 -61.0 -64.0 -67.0 -70.0 Center 470 MHz Span 120 kHz Total Power Ref 32.83 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>32.29</td><td>(-0.76)</td><td>-50.00</td><td>32.11</td><td>(-0.94)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.49</td><td>(-4.19)</td><td>-12.35 k</td><td>-41.43</td><td>(-4.50)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.42</td><td>(-21.42)</td><td>-13.75 k</td><td>-41.33</td><td>(-21.33)</td><td>13.65 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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 469.987500 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	32.29	(-0.76)	-50.00	32.11	(-0.94)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.49	(-4.19)	-12.35 k	-41.43	(-4.50)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.42	(-21.42)	-13.75 k	-41.33	(-21.33)	13.65 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 50.0 AC SENSE:PULSE ALIGN:AUTO 09:45:10 AM Jun 12, 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 37.0 dBm 10 dB/div Log 20.0 17.0 14.0 11.0 8.0 5.0 2.0 -1.0 -4.0 -7.0 -10.0 -13.0 -16.0 -19.0 -22.0 -25.0 -28.0 -31.0 -34.0 -37.0 -40.0 -43.0 -46.0 -49.0 -52.0 -55.0 -58.0 -61.0 -64.0 -67.0 -70.0 20.0 17.0 14.0 11.0 8.0 5.0 2.0 -1.0 -4.0 -7.0 -10.0 -13.0 -16.0 -19.0 -22.0 -25.0 -28.0 -31.0 -34.0 -37.0 -40.0 -43.0 -46.0 -49.0 -52.0 -55.0 -58.0 -61.0 -64.0 -67.0 -70.0 Center 470 MHz Span 120 kHz Total Power Ref 29.21 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>16.04</td><td>(-17.01)</td><td>-950.0</td><td>20.47</td><td>(-12.57)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.56</td><td>(-1.17)</td><td>-12.50 k</td><td>-41.83</td><td>(-4.89)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.45</td><td>(-21.45)</td><td>-13.55 k</td><td>-40.17</td><td>(-20.17)</td><td>14.30 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table> MSG File <Temp.png> saved STATUS Frequency Center Freq 469.987500 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	16.04	(-17.01)	-950.0	20.47	(-12.57)	550.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.56	(-1.17)	-12.50 k	-41.83	(-4.89)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-41.45	(-21.45)	-13.55 k	-40.17	(-20.17)	14.30 k	4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—	8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—	12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBm	Upper ΔLim(dB)	Freq (Hz)																																																										
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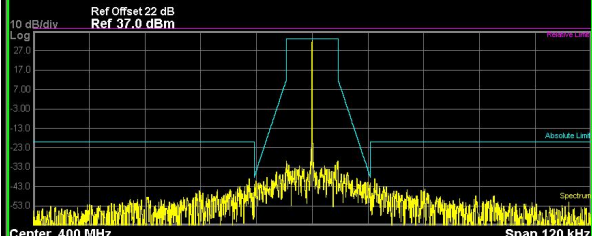
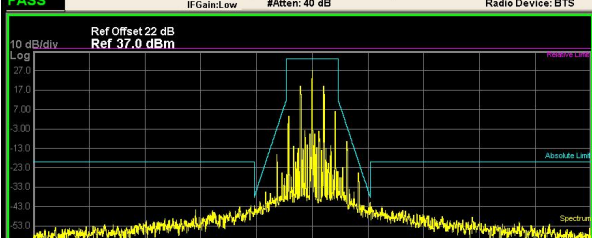
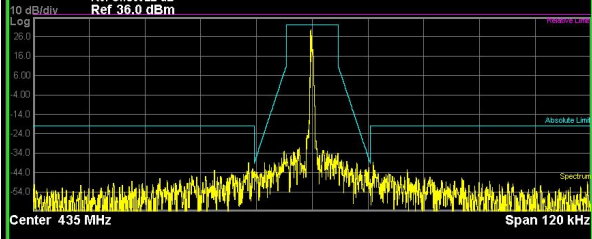
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE:PULSE ALIGN:AUTO 09:22:43 AM Jun 11, 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 41.0 dBm 10 dB/div Log Center 400 MHz Span 120 kHz Total Power Ref 36.57 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 ></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>36.40</td><td>(-0.81)</td><td>0.0</td><td>36.46</td><td>(-0.75)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.33</td><td>(-5.10)</td><td>-12.50 k</td><td>-37.34</td><td>(-7.10)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.68</td><td>(-15.68)</td><td>-15.20 k</td><td>-35.68</td><td>(-15.68)</td><td>15.25 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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	36.40	(-0.81)	0.0	36.46	(-0.75)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-39.33	(-5.10)	-12.50 k	-37.34	(-7.10)	11.95 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.68	(-15.68)	-15.20 k	-35.68	(-15.68)	15.25 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 >	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE:PULSE ALIGN:AUTO 09:22:55 AM Jun 11, 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 41.0 dBm 10 dB/div Log Center 400 MHz Span 120 kHz Total Power Ref 32.86 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>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>31.02</td><td>(-6.19)</td><td>0.0</td><td>31.09</td><td>(-6.11)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.06</td><td>(-5.83)</td><td>-12.50 k</td><td>-36.98</td><td>(-2.74)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.03</td><td>(-19.03)</td><td>-13.15 k</td><td>-37.92</td><td>(-17.92)</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> MSG STATUS Frequency Center Freq 400.012500 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	31.02	(-6.19)	0.0	31.09	(-6.11)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-40.06	(-5.83)	-12.50 k	-36.98	(-2.74)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.03	(-19.03)	-13.15 k	-37.92	(-17.92)	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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)																																																										
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE:PULSE ALIGN:AUTO 09:26:01 AM Jun 11, 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 35.80 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>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>28.42</td><td>(-8.18)</td><td>-200.0</td><td>32.04</td><td>(-4.56)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.95</td><td>(-3.29)</td><td>-12.20 k</td><td>-34.93</td><td>(-0.08)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.49</td><td>(-15.49)</td><td>-14.85 k</td><td>-35.92</td><td>(-15.92)</td><td>16.50 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> MSG File <MASK D.state> recalled STATUS Frequency Center Freq 435.000000 MHz CF Step 12.000 kHz Auto Freq Offset 0 Hz	Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak >	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	28.42	(-8.18)	-200.0	32.04	(-4.56)	150.0	5.625 kHz	12.50 kHz	100.0 Hz	-35.95	(-3.29)	-12.20 k	-34.93	(-0.08)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-35.49	(-15.49)	-14.85 k	-35.92	(-15.92)	16.50 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 >	Upper ΔLim(dB)	Freq (Hz)																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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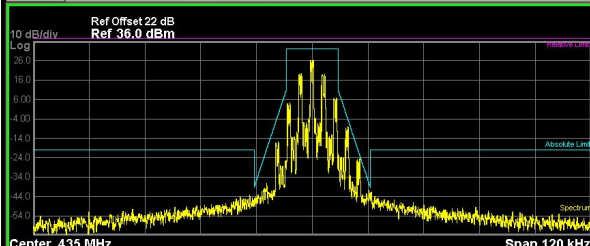
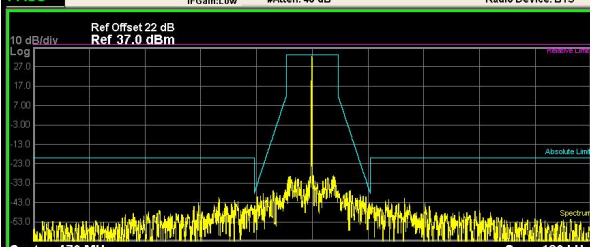
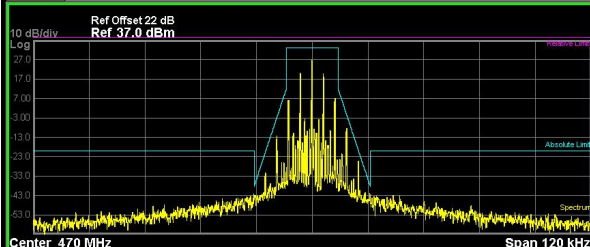
Appendix C:Emission Mask

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																															
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:26:23 AM Jun 11, 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 41.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 37.26 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>30.75</td><td>(-5.84)</td><td>-200.0</td><td>30.45</td><td>(-6.15)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.61</td><td>(-5.77)</td><td>-11.95 k</td><td>-20.00</td><td>(-1.15)</td><td>10.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.54</td><td>(-19.54)</td><td>-14.20 k</td><td>-35.16</td><td>(-15.16)</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> MSG: 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	30.75	(-5.84)	-200.0	30.45	(-6.15)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-36.61	(-5.77)	-11.95 k	-20.00	(-1.15)	10.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.54	(-19.54)	-14.20 k	-35.16	(-15.16)	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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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:30:25 AM Jun 11, 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 41.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 35.87 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>35.89</td><td>(-0.73)</td><td>-50.00</td><td>35.60</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>-39.99</td><td>(-6.26)</td><td>-12.35 k</td><td>-40.27</td><td>(-6.91)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.21</td><td>(-17.21)</td><td>-14.65 k</td><td>-36.81</td><td>(-16.81)</td><td>14.60 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> MSG: 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	35.89	(-0.73)	-50.00	35.60	(-1.02)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-39.99	(-6.26)	-12.35 k	-40.27	(-6.91)	12.30 k	12.50 kHz	60.00 kHz	100.0 Hz	-37.21	(-17.21)	-14.65 k	-36.81	(-16.81)	14.60 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)																																																										
0.0 Hz	5.625 kHz	100.0 Hz	35.89	(-0.73)	-50.00	35.60	(-1.02)	0.0																																																										
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4.000 MHz	8.000 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:30:57 AM Jun 11, 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 41.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 32.33 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>30.20</td><td>(-6.42)</td><td>0.0</td><td>30.20</td><td>(-6.42)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.19</td><td>(-6.82)</td><td>-12.30 k</td><td>-39.17</td><td>(-4.36)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.29</td><td>(-19.29)</td><td>-12.60 k</td><td>-39.12</td><td>(-19.12)</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> MSG: 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	30.20	(-6.42)	0.0	30.20	(-6.42)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-40.19	(-6.82)	-12.30 k	-39.17	(-4.36)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.29	(-19.29)	-12.60 k	-39.12	(-19.12)	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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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

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 50 Ω AC SENSE-PULSE ALIGN-AUTO 09:24:06 AM Jun 11, 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 37.0 dBm 10 dB/div Log  Center 400 MHz Span 120 kHz Total Power Ref 32.33 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>32.36</td><td>(-0.70)</td><td>0.0</td><td>32.36</td><td>(-0.70)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.76</td><td>(-3.40)</td><td>-12.50 k</td><td>-41.33</td><td>(-2.96)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.20</td><td>(-19.20)</td><td>-13.50 k</td><td>-39.11</td><td>(-19.11)</td><td>13.55 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> MSG Alignment Completed 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	32.36	(-0.70)	0.0	32.36	(-0.70)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-41.76	(-3.40)	-12.50 k	-41.33	(-2.96)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-39.20	(-19.20)	-13.50 k	-39.11	(-19.11)	13.55 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	—	(—)	—	—	(—)	—
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	32.36	(-0.70)	0.0	32.36	(-0.70)	0.0																																																										
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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-ANL	FM	CH _L	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE-PULSE ALIGN-AUTO 09:24:20 AM Jun 11, 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 37.0 dBm 10 dB/div Log  Center 400 MHz Span 120 kHz Total Power Ref 28.64 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>26.99</td><td>(-6.08)</td><td>0.0</td><td>26.99</td><td>(-6.08)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.70</td><td>(-4.33)</td><td>-12.50 k</td><td>-40.97</td><td>(-2.60)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.63</td><td>(-22.63)</td><td>-13.20 k</td><td>-40.84</td><td>(-20.84)</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> MSG 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	26.99	(-6.08)	0.0	26.99	(-6.08)	50.00	5.625 kHz	12.50 kHz	100.0 Hz	-42.70	(-4.33)	-12.50 k	-40.97	(-2.60)	12.50 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.63	(-22.63)	-13.20 k	-40.84	(-20.84)	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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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
TX-ANL	FM	CH _M	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 Ω AC SENSE-PULSE ALIGN-AUTO 09:26:27 AM Jun 11, 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 36.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 31.30 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>29.77</td><td>(-2.30)</td><td>-200.0</td><td>19.33</td><td>(-12.73)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.68</td><td>(-6.12)</td><td>-12.25 k</td><td>-41.61</td><td>(-4.06)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.85</td><td>(-18.85)</td><td>-13.65 k</td><td>-38.52</td><td>(-18.52)</td><td>13.15 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> MSG 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	29.77	(-2.30)	-200.0	19.33	(-12.73)	200.0	5.625 kHz	12.50 kHz	100.0 Hz	-43.68	(-6.12)	-12.25 k	-41.61	(-4.06)	12.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-38.85	(-18.85)	-13.65 k	-38.52	(-18.52)	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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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 dB AC SENSE: PULSE ALIGN: AUTO 09:28:49 AM Jun 11, 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 36.0 dBm 10 dB/div Log  Center 435 MHz Span 120 kHz Total Power Ref 32.63 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 > dBr</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>26.14</td><td>(-5.92)</td><td>250.0</td><td>26.24</td><td>(-5.83)</td><td>250.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.02</td><td>(-5.65)</td><td>-12.50 k</td><td>-24.43</td><td>(-1.42)</td><td>10.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.16</td><td>(-23.16)</td><td>-13.35 k</td><td>-41.68</td><td>(-21.68)</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> MSG 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 > dBr	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.14	(-5.92)	250.0	26.24	(-5.83)	250.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.02	(-5.65)	-12.50 k	-24.43	(-1.42)	10.25 k	12.50 kHz	60.00 kHz	100.0 Hz	-43.16	(-23.16)	-13.35 k	-41.68	(-21.68)	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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8.000 MHz	12.50 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 09:31:42 AM Jun 11, 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 37.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 32.27 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 > dBr</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>32.28</td><td>(-0.77)</td><td>-50.00</td><td>31.53</td><td>(-1.52)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.61</td><td>(-7.42)</td><td>-12.50 k</td><td>-43.35</td><td>(-5.33)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.45</td><td>(-20.45)</td><td>-20.00 k</td><td>-40.68</td><td>(-20.68)</td><td>19.90 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> MSG 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 > dBr	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	32.28	(-0.77)	-50.00	31.53	(-1.52)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-45.61	(-7.42)	-12.50 k	-43.35	(-5.33)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-40.45	(-20.45)	-20.00 k	-40.68	(-20.68)	19.90 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	—	(—)	—	—	(—)	—
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	< Peak > dBr	Upper ΔLim(dB)	Freq (Hz)																																																										
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TX-ANL	FM	CH _H	Agilent Spectrum Analyzer - Spectrum Emission Mask RL RF 50 dB AC SENSE: PULSE ALIGN: AUTO 09:32:04 AM Jun 11, 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 37.0 dBm 10 dB/div Log  Center 470 MHz Span 120 kHz Total Power Ref 28.71 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 > dBr</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>26.66</td><td>(-6.39)</td><td>-50.00</td><td>26.58</td><td>(-6.47)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.92</td><td>(-5.62)</td><td>-12.35 k</td><td>-41.81</td><td>(-3.78)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.17</td><td>(-22.17)</td><td>-12.50 k</td><td>-42.40</td><td>(-22.40)</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> MSG 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 > dBr	Upper ΔLim(dB)	Freq (Hz)	0.0 Hz	5.625 kHz	100.0 Hz	26.66	(-6.39)	-50.00	26.58	(-6.47)	0.0	5.625 kHz	12.50 kHz	100.0 Hz	-42.92	(-5.62)	-12.35 k	-41.81	(-3.78)	12.45 k	12.50 kHz	60.00 kHz	100.0 Hz	-42.17	(-22.17)	-12.50 k	-42.40	(-22.40)	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	—	(—)	—	—	(—)	—
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12.50 MHz	15.00 MHz	1.000 MHz	—	(—)	—	—	(—)	—																																																										

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	0.559	0.421	0.437	0.550	2.5	PASS
TX-ANH	FM	CH _M	-15	0.366	0.519	0.579	0.712	2.5	PASS
TX-ANH	FM	CH _M	-10	0.401	0.618	0.797	1.004	2.5	PASS
TX-ANH	FM	CH _M	-5	0.491	0.954	1.246	1.663	2.5	PASS
TX-ANH	FM	CH _M	0	0.603	1.456	1.929	2.198	2.5	PASS
TX-ANH	FM	CH _M	5	0.871	2.090	2.147	2.372	2.5	PASS
TX-ANH	FM	CH _M	10	1.044	2.324	2.249	2.407	2.5	PASS
TX-ANH	FM	CH _M	15	1.031	2.215	2.208	2.451	2.5	PASS
TX-ANH	FM	CH _M	20	1.166	2.134	2.161	2.427	2.5	PASS

Appendix D:Modulation Limit

TEST PLOT RESULT

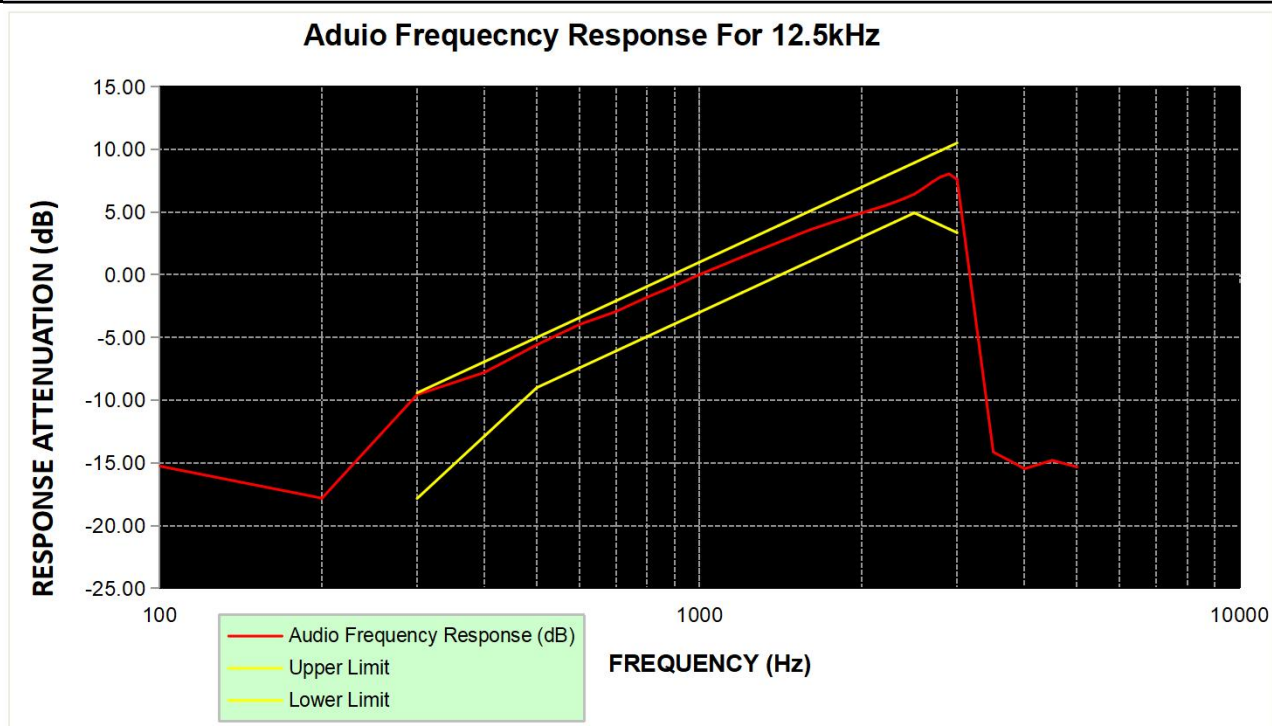


Appendix E:Audio Frequency Response

Operation Mode	Modulation Type	Test Channel	Frequency (Hz)	Audio Frequency Response (dB)	Lower Limit	Upper Limit	Result
TX-ANH	FM	CH _M	100	-15.26			PASS
TX-ANH	FM	CH _M	200	-17.82			PASS
TX-ANH	FM	CH _M	300	-9.57	-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	0.01	-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	4.93	3.00	7.00	PASS
TX-ANH	FM	CH _M	2100	5.23	3.42	7.42	PASS
TX-ANH	FM	CH _M	2200	5.49	3.83	7.83	PASS
TX-ANH	FM	CH _M	2300	5.79	4.21	8.21	PASS
TX-ANH	FM	CH _M	2400	6.10	4.58	8.58	PASS
TX-ANH	FM	CH _M	2500	6.43	4.93	8.93	PASS
TX-ANH	FM	CH _M	2600	6.91	4.59	9.27	PASS
TX-ANH	FM	CH _M	2700	7.40	4.27	9.60	PASS
TX-ANH	FM	CH _M	2800	7.82	3.95	9.91	PASS
TX-ANH	FM	CH _M	2900	8.04	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	0.883	-0.113	-0.015	±5.0	PASS
TX-DNH	4FSK	V _N	-20	0.893	-0.115	-0.016	±5.0	PASS
TX-DNH	4FSK	V _N	-10	0.952	-0.119	-0.016	±5.0	PASS
TX-DNH	4FSK	V _N	0	0.931	-0.120	-0.016	±5.0	PASS
TX-DNH	4FSK	V _N	10	0.905	-0.114	-0.015	±5.0	PASS
TX-DNH	4FSK	V _N	20	0.867	-0.112	-0.015	±5.0	PASS
TX-DNH	4FSK	V _N	30	0.909	-0.114	-0.016	±5.0	PASS
TX-DNH	4FSK	V _N	40	0.933	-0.113	-0.016	±5.0	PASS
TX-DNH	4FSK	V _N	50	0.874	-0.123	-0.016	±5.0	PASS
TX-DNL	4FSK	V _N	-30	0.888	-0.335	-0.135	±5.0	PASS
TX-DNL	4FSK	V _N	-20	0.893	-0.329	-0.129	±5.0	PASS
TX-DNL	4FSK	V _N	-10	0.917	-0.339	-0.128	±5.0	PASS
TX-DNL	4FSK	V _N	0	0.930	-0.328	-0.133	±5.0	PASS
TX-DNL	4FSK	V _N	10	0.948	-0.341	-0.129	±5.0	PASS
TX-DNL	4FSK	V _N	20	0.886	-0.311	-0.126	±5.0	PASS
TX-DNL	4FSK	V _N	30	0.899	-0.329	-0.128	±5.0	PASS
TX-DNL	4FSK	V _N	40	0.932	-0.341	-0.133	±5.0	PASS
TX-DNL	4FSK	V _N	50	0.911	-0.313	-0.129	±5.0	PASS
TX-ANH	FM	V _N	-30	0.069	-0.022	-0.111	±5.0	PASS
TX-ANH	FM	V _N	-20	0.069	-0.021	-0.118	±5.0	PASS
TX-ANH	FM	V _N	-10	0.066	-0.022	-0.118	±5.0	PASS
TX-ANH	FM	V _N	0	0.070	-0.023	-0.116	±5.0	PASS
TX-ANH	FM	V _N	10	0.065	-0.022	-0.116	±5.0	PASS
TX-ANH	FM	V _N	20	0.064	-0.021	-0.108	±5.0	PASS
TX-ANH	FM	V _N	30	0.069	-0.022	-0.117	±5.0	PASS
TX-ANH	FM	V _N	40	0.069	-0.022	-0.110	±5.0	PASS
TX-ANH	FM	V _N	50	0.064	-0.022	-0.110	±5.0	PASS
TX-ANL	FM	V _N	-30	0.038	-0.030	0.127	±5.0	PASS
TX-ANL	FM	V _N	-20	0.039	-0.031	0.132	±5.0	PASS
TX-ANL	FM	V _N	-10	0.039	-0.032	0.133	±5.0	PASS
TX-ANL	FM	V _N	0	0.039	-0.031	0.131	±5.0	PASS
TX-ANL	FM	V _N	10	0.041	-0.031	0.122	±5.0	PASS
TX-ANL	FM	V _N	20	0.038	-0.029	0.122	±5.0	PASS
TX-ANL	FM	V _N	30	0.041	-0.031	0.133	±5.0	PASS
TX-ANL	FM	V _N	40	0.041	-0.031	0.132	±5.0	PASS
TX-ANL	FM	V _N	50	0.041	-0.031	0.128	±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	0.867	-0.112	-0.015	±5.0	PASS
TX-DNH	4FSK	V _L	T _N	0.867	-0.113	-0.015	±5.0	PASS
TX-DNH	4FSK	V _H	T _N	0.876	-0.116	-0.015	±5.0	PASS
TX-DNL	4FSK	V _N	T _N	0.886	-0.311	-0.126	±5.0	PASS
TX-DNL	4FSK	V _L	T _N	0.888	-0.311	-0.128	±5.0	PASS
TX-DNL	4FSK	V _H	T _N	0.895	-0.325	-0.132	±5.0	PASS
TX-ANH	FM	V _N	T _N	0.064	-0.021	-0.108	±5.0	PASS
TX-ANH	FM	V _L	T _N	0.064	-0.021	-0.110	±5.0	PASS
TX-ANH	FM	V _H	T _N	0.066	-0.022	-0.110	±5.0	PASS
TX-ANL	FM	V _N	T _N	0.038	-0.029	0.122	±5.0	PASS
TX-ANL	FM	V _L	T _N	0.038	-0.030	0.124	±5.0	PASS
TX-ANL	FM	V _H	T _N	0.039	-0.030	0.125	±5.0	PASS

Appendix H:Transmitter Frequency Behavior

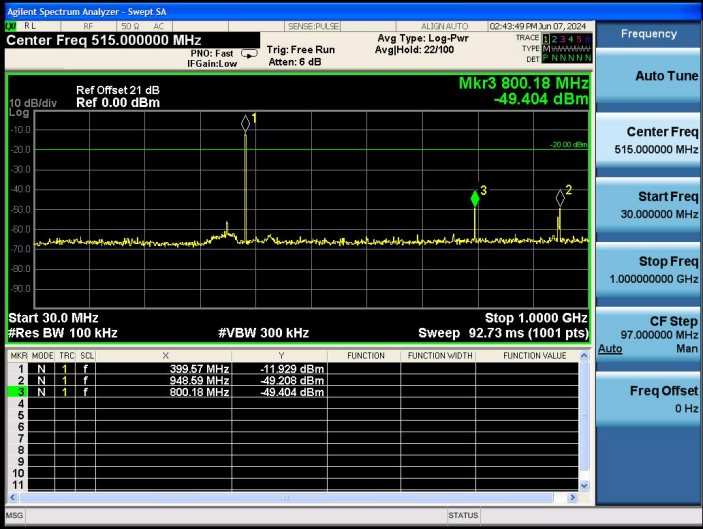
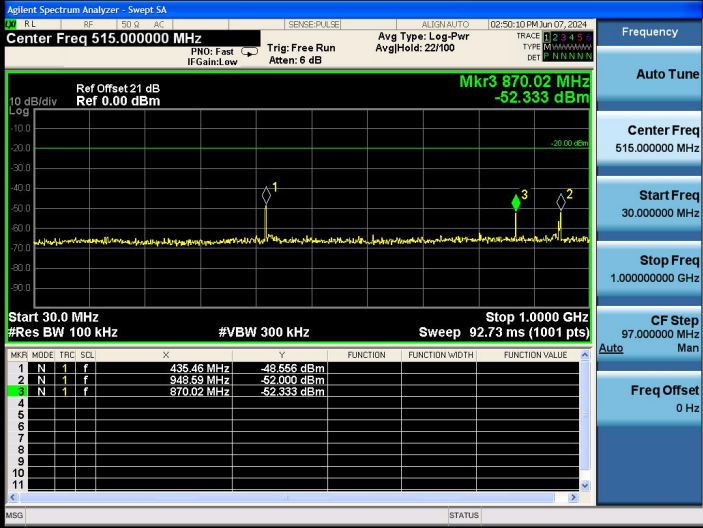
Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CH _M	MultiView Spectrum Analog Demod Ref Level 50.00 dBm Offset 20.50 dB Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz TRG:IFP(17MHz) YIG Bypass 1 FM Time Domain 10.0 kHz 9.375 kHz 8.75 kHz 8.125 kHz 7.5 kHz 6.875 kHz 6.25 kHz 5.625 kHz 5 kHz 4.375 kHz 3.75 kHz 3.125 kHz 2.5 kHz 1.875 kHz 1.25 kHz 0.625 kHz 0 kHz -0.625 kHz -1.25 kHz -1.875 kHz -2.5 kHz -3.125 kHz -3.75 kHz -4.375 kHz -5 kHz -5.625 kHz -6.25 kHz -6.875 kHz -7.5 kHz -8.125 kHz -8.75 kHz -9.375 kHz -10 kHz 1001 pts 10.0 ms/ 4 Result Summary Carrier Power 31.30 dBm Carrier Offset -98.74 Hz FM +Peak 17.446 kHz -Peak -22.534 kHz +Peak/2 19.99 kHz RMS 8.9378 kHz Mod. Freq. 1.0479 kHz SINAD THD Analog Demod: Waiting for Trigger... Measuring... 11.06.2024 11:22:52 Date: 11 JUN 2024 11:22:52 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:IFP(17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz 1001 pts 10.0 ms/ 4 Result Summary Carrier Power 31.31 dBm Carrier Offset 35.84 Hz FM +Peak 21.513 kHz -Peak -20.041 kHz +Peak/2 20.777 kHz RMS 2.8288 kHz Mod. Freq. SINAD THD Analog Demod: Waiting for Trigger... Measuring... 11.06.2024 11:25:05 Date: 11 JUN 2024 11:25:05 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:IFP(17MHz) YIG Bypass 1 FM Time Domain 12.5 kHz 9.375 kHz 6.25 kHz 3.125 kHz 0 kHz -3.125 kHz -6.25 kHz -9.375 kHz -12.5 kHz 1001 pts 10.0 ms/ 4 Result Summary Carrier Power 31.34 dBm Carrier Offset -240.92 Hz FM +Peak 20.133 kHz -Peak -21.562 kHz +Peak/2 20.847 kHz RMS 2.859 kHz Mod. Freq. SINAD THD Analog Demod: Waiting for Trigger... Measuring... 11.06.2024 11:51:32 Date: 11 JUN 2024 11:51:32 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/ 4 Result Summary Carrier Power 31.31 dBm Carrier Offset 42.87 Hz FM +Peak 19.816 kHz -Peak -29.026 kHz +Peak/2 24.421 kHz RMS 2.8831 kHz Mod. Freq. --- SINAD --- THD --- Analog Demod. Waiting for Trigger... Measuring... 11.06.2024 11:52:11 Date: 11 JUN 2024 11:52:12

ON-OFF

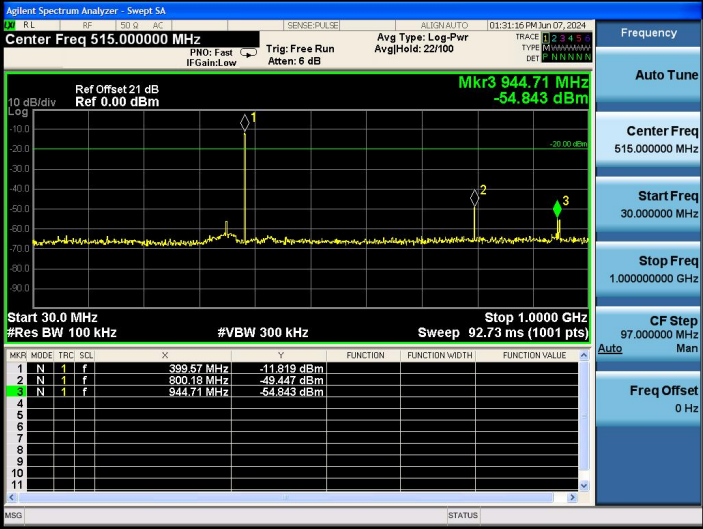
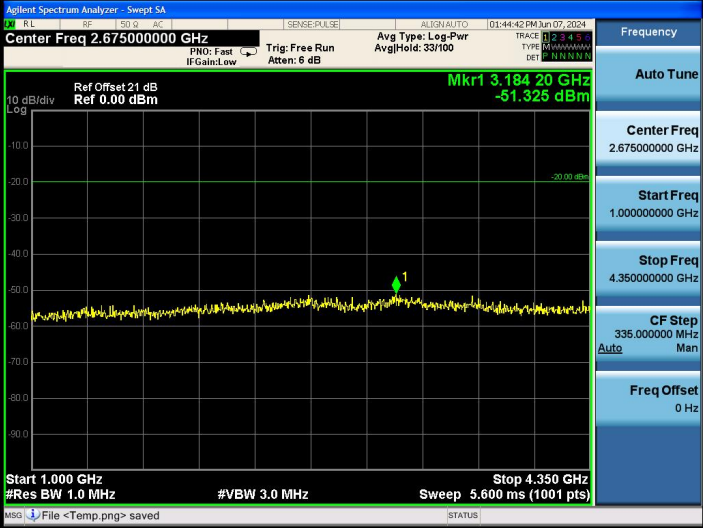
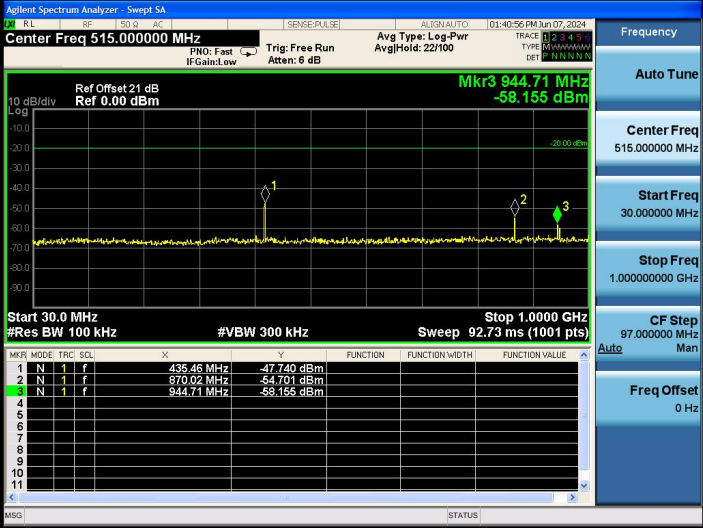
Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT
TX-DNH	4FSK	CHL	 Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 800.18 MHz -49.404 dBm Start 30.0 MHz Stop 1.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) 30MHz~1GHz
TX-DNH	4FSK	CHL	 Agilent Spectrum Analyzer - Swept SA Center Freq 2.675000000 GHz Ref Offset 21 dB Ref 0.00 dBm Mkr1 2.644 85 GHz -50.689 dBm Start 1.000 GHz Stop 4.350 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts) 1GHz~10th Harmonic
TX-DNH	4FSK	CHM	 Agilent Spectrum Analyzer - Swept SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm Mkr3 870.02 MHz -52.333 dBm Start 30.0 MHz Stop 1.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) 30MHz~1GHz

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																												
TX-DNH	4FSK	CH _M	Agilent Spectrum Analyzer - Sweep SA RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:56:03 PM Jun 07, 2024 Center Freq 2.849937500 GHz PHO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr Avg/Hold: 32/100 TRACE 1 2 3 4 5 6 TYPE: M M M M M M M M DET: N N N N N N Ref Offset 21 dB Ref 0.00 dBm Mkr1 4.700 GHz -50.598 dBm 10 dB/div Log 1 Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.700 GHz Sweep 6.200 ms (1001 pts) MSO File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz 1GHz~10th Harmonic																																																																																																												
TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Sweep SA RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:56:32 PM Jun 07, 2024 Center Freq 515.000000 MHz PHO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr Avg/Hold: 23/100 TRACE 1 2 3 4 5 6 TYPE: M M M M M M M M DET: N N N N N N Ref Offset 21 dB Ref 0.00 dBm Mkr3 948.59 MHz -54.701 dBm 10 dB/div Log 1 2 3 Start 30.0 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.000 GHz Sweep 92.73 ms (1001 pts) MSO File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>470.38 MHz</td><td>-41.626 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>938.88 MHz</td><td>-47.493 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>948.59 MHz</td><td>-54.701 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> 30MHz~1GHz	MKR	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	470.38 MHz	-41.626 dBm				2	N	1	f	938.88 MHz	-47.493 dBm				3	N	1	f	948.59 MHz	-54.701 dBm				4									5									6									7									8									9									10									11								
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TX-DNH	4FSK	CH _H	Agilent Spectrum Analyzer - Sweep SA RL RF 50.0 AC SENSE: PULSE ALIGN: AUTO 02:56:35 PM Jun 07, 2024 Center Freq 2.849937500 GHz PHO: Fast IF Gain: Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr Avg/Hold: 33/100 TRACE 1 2 3 4 5 6 TYPE: M M M M M M M M DET: N N N N N N Ref Offset 21 dB Ref 0.00 dBm Mkr1 3.305 GHz -51.041 dBm 10 dB/div Log 1 Start 1.000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 4.700 GHz Sweep 6.200 ms (1001 pts) MSO File <Temp.png> saved STATUS Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz 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	CHM	 30MHz~1GHz

Appendix I:Spurious Emission On Antenna Port

Operation Mode	Modulation Type	Test Channel	TEST PLOT RESULT																																																																																																												
TX-ANH	FM	CH _M	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.849937500 GHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 1.000 GHz #Res BW 1.0 MHz Stop 4.700 GHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts) Mkr1 4.700 GHz -50.805 dBm 1GHz~10th Harmonic Frequency Auto Tune Center Freq 2.849937500 GHz Start Freq 1.000000000 GHz Stop Freq 4.699875000 GHz CF Step 369.987500 MHz Auto Man Freq Offset 0 Hz																																																																																																												
TX-ANH	FM	CH _H	Agilent Spectrum Analyzer - Sweep SA Center Freq 515.000000 MHz Ref Offset 21 dB Ref 0.00 dBm 10 dB/div Log Start 30.0 MHz #Res BW 100 kHz Stop 1.000 GHz #VBW 300 kHz Sweep 92.73 ms (1001 pts) Mkr3 948.59 MHz -49.209 dBm <table><thead><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>470.38 MHz</td><td>-41.809 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>938.88 MHz</td><td>-47.555 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>948.59 MHz</td><td>-49.209 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> 30MHz~1GHz Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Man Freq Offset 0 Hz	MKR	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	470.38 MHz	-41.809 dBm				2	N	1	f	938.88 MHz	-47.555 dBm				3	N	1	f	948.59 MHz	-49.209 dBm				4									5									6									7									8									9									10									11								
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