

# Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|-------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Std: None</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>36.15 dBm @ 0.0125 MHz</div></div><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>&lt; Peak &gt; 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>36.13</td><td>(-0.76)</td><td>-100.0</td><td>24.95</td><td>(-11.94)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.56</td><td>(-4.38)</td><td>-12.45 k</td><td>-38.72</td><td>(-5.99)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.80</td><td>(-16.80)</td><td>-13.80 k</td><td>-36.78</td><td>(-16.78)</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><div>msa File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div>                                | 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 | 36.13 | (-0.76)  | -100.0 | 24.95 | (-11.94) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -38.56 | (-4.38) | -12.45 k | -38.72 | (-5.99) | 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.80 | (-16.80) | -13.80 k | -36.78 | (-16.78) | 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 | — | (—) | — | — | (—) | — |
| 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        | 36.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-0.76)        | -100.0    | 24.95        | (-11.94)       | 0.0            |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -38.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-4.38)        | -12.45 k  | -38.72       | (-5.99)        | 12.25 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -36.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-16.80)       | -13.80 k  | -36.78       | (-16.78)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Std: None</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>39.23 dBm @ 0.0125 MHz</div></div><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>&lt; Peak &gt; 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>26.33</td><td>(-10.56)</td><td>-300.0</td><td>29.05</td><td>(-7.84)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.08</td><td>(-0.90)</td><td>-12.45 k</td><td>-39.03</td><td>(-5.94)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.03</td><td>(-15.03)</td><td>-19.05 k</td><td>-35.40</td><td>(-15.40)</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><div>msa File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div> | 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 | 26.33 | (-10.56) | -300.0 | 29.05 | (-7.84)  | 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -35.08 | (-0.90) | -12.45 k | -39.03 | (-5.94) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.03 | (-15.03) | -19.05 k | -35.40 | (-15.40) | 13.00 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 26.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-10.56)       | -300.0    | 29.05        | (-7.84)        | 500.0          |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -35.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-0.90)        | -12.45 k  | -39.03       | (-5.94)        | 12.30 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -35.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-15.03)       | -19.05 k  | -35.40       | (-15.40)       | 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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| 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        | 35.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-0.80)        | -100.0    | 20.36        | (-15.96)       | 0.0            |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -40.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-6.88)        | -12.25 k  | -42.83       | (-7.72)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -37.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-17.50)       | -15.30 k  | -37.41       | (-17.41)       | 15.10 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

# Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|-------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE: PULSE</div><div>ALIGN: AUTO</div><div>10:56:07 AM Jul 31, 2024</div></div><div>Center Freq 435.000000 MHz</div><div>Center Freq: 435.000000 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div></div><div><div>Ref Offset 17 dB</div><div>Ref 40.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>30.0</div><div>20.0</div><div>10.0</div><div>0.0</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div></div></div><div><div>Center 435 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>39.16 dBm 0.0125 MHz</div></div><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>&lt; Peak &gt; 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>24.71</td><td>(-11.61)</td><td>-400.0</td><td>29.48</td><td>(-6.85)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.51</td><td>(-3.67)</td><td>-12.05 k</td><td>-35.71</td><td>(-2.42)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.60</td><td>(-16.60)</td><td>-13.30 k</td><td>-35.74</td><td>(-15.74)</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><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>435.000000 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Auto</div><div>Freq Offset</div><div>0 Hz</div></div></div></div>      | 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 | 24.71 | (-11.61) | -400.0 | 29.48 | (-6.85)  | 550.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -35.51 | (-3.67) | -12.05 k | -35.71 | (-2.42) | 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.60 | (-16.60) | -13.30 k | -35.74 | (-15.74) | 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 | — | (—) | — | — | (—) | — |
| 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        | 24.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (-11.61)       | -400.0    | 29.48        | (-6.85)        | 550.0          |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -35.51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-3.67)        | -12.05 k  | -35.71       | (-2.42)        | 12.25 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -36.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-16.60)       | -13.30 k  | -35.74       | (-15.74)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE: PULSE</div><div>ALIGN: AUTO</div><div>10:06:32 AM Jul 31, 2024</div></div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>30.0</div><div>20.0</div><div>10.0</div><div>0.0</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>35.51 dBm 0.0125 MHz</div></div><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>&lt; Peak &gt; 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>35.53</td><td>(-1.14)</td><td>-100.0</td><td>19.47</td><td>(-17.19)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.26</td><td>(-3.21)</td><td>-12.40 k</td><td>-37.17</td><td>(-4.58)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.77</td><td>(-17.77)</td><td>-12.75 k</td><td>-37.60</td><td>(-17.60)</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><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>469.987500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Auto</div><div>Freq Offset</div><div>0 Hz</div></div></div></div> | 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 | 35.53 | (-1.14)  | -100.0 | 19.47 | (-17.19) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -37.26 | (-3.21) | -12.40 k | -37.17 | (-4.58) | 12.20 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -37.77 | (-17.77) | -12.75 k | -37.60 | (-17.60) | 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 > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 35.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (-1.14)        | -100.0    | 19.47        | (-17.19)       | 0.0            |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -37.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-3.21)        | -12.40 k  | -37.17       | (-4.58)        | 12.20 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -37.77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-17.77)       | -12.75 k  | -37.60       | (-17.60)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE: PULSE</div><div>ALIGN: AUTO</div><div>10:07:05 AM Jul 31, 2024</div></div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>30.0</div><div>20.0</div><div>10.0</div><div>0.0</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>38.24 dBm 0.0125 MHz</div></div><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>&lt; Peak &gt; 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>26.60</td><td>(-10.06)</td><td>-650.0</td><td>27.74</td><td>(-8.92)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.00</td><td>(-2.40)</td><td>-12.20 k</td><td>-36.58</td><td>(-3.26)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.02</td><td>(-16.02)</td><td>-12.55 k</td><td>-36.33</td><td>(-16.33)</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><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>469.987500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Auto</div><div>Freq Offset</div><div>0 Hz</div></div></div></div>      | 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 | 26.60 | (-10.06) | -650.0 | 27.74 | (-8.92)  | 450.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -35.00 | (-2.40) | -12.20 k | -36.58 | (-3.26) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.02 | (-16.02) | -12.55 k | -36.33 | (-16.33) | 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 > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 26.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (-10.06)       | -650.0    | 27.74        | (-8.92)        | 450.0          |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -35.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-2.40)        | -12.20 k  | -36.58       | (-3.26)        | 12.30 k        |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -36.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-16.02)       | -12.55 k  | -36.33       | (-16.33)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

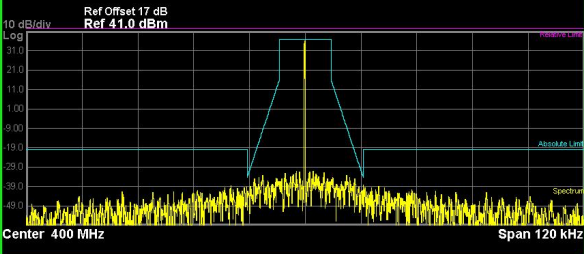
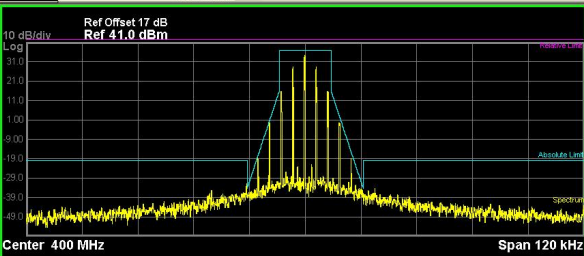
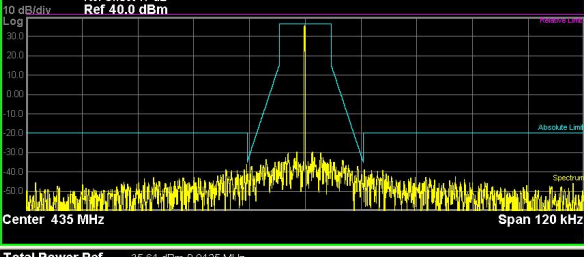
# Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |           |              |                |                |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|---------|--------|-------|----------|-----|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-ANH         | FM              | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 22 dB</div><div>Ref 52.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>42.0</div><div>32.0</div><div>22.0</div><div>12.0</div><div>2.00</div><div>8.00</div><div>18.0</div><div>28.0</div><div>38.0</div></div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>47.89 dBm 0.0125 MHz</div><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>&lt; Peak &gt; 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>47.32</td><td>(-0.69)</td><td>-50.00</td><td>47.18</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>-28.85</td><td>(-6.51)</td><td>-12.35 k</td><td>-28.88</td><td>(-6.90)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.33</td><td>(-6.33)</td><td>-15.20 k</td><td>-26.30</td><td>(-6.30)</td><td>15.10 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></div></div><div><div>msa</div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div></div><div><div>Frequency</div><div>Center Freq</div><div>400.012500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div>                       | 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 | 47.32 | (-0.69) | -50.00 | 47.18 | (-0.83)  | 0.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -28.85 | (-6.51) | -12.35 k | -28.88 | (-6.90) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -26.33 | (-6.33) | -15.20 k | -26.30 | (-6.30) | 15.10 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 | — | (—) | — | — | (—) | — |
| 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        | 47.32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-0.69)        | -50.00    | 47.18        | (-0.83)        | 0.0            |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -28.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-6.51)        | -12.35 k  | -28.88       | (-6.90)        | 12.30 k        |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -26.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-6.33)        | -15.20 k  | -26.30       | (-6.30)        | 15.10 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-ANH         | FM              | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 22 dB</div><div>Ref 52.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>42.0</div><div>32.0</div><div>22.0</div><div>12.0</div><div>2.00</div><div>8.00</div><div>18.0</div><div>28.0</div><div>38.0</div></div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>47.32 dBm 0.0125 MHz</div><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>&lt; Peak &gt; 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>45.50</td><td>(-2.50)</td><td>-50.00</td><td>45.20</td><td>(-2.81)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-7.793</td><td>(-2.17)</td><td>-10.05 k</td><td>-23.99</td><td>(-0.56)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-23.20</td><td>(-3.20)</td><td>-12.55 k</td><td>-23.17</td><td>(-3.17)</td><td>15.30 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></div></div><div><div>msa</div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div></div><div><div>Frequency</div><div>Center Freq</div><div>400.012500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div> | 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 | 45.50 | (-2.50) | -50.00 | 45.20 | (-2.81)  | 0.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -7.793 | (-2.17) | -10.05 k | -23.99 | (-0.56) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -23.20 | (-3.20) | -12.55 k | -23.17 | (-3.17) | 15.30 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)      |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 45.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-2.50)        | -50.00    | 45.20        | (-2.81)        | 0.0            |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -7.793                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-2.17)        | -10.05 k  | -23.99       | (-0.56)        | 12.50 k        |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -23.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-3.20)        | -12.55 k  | -23.17       | (-3.17)        | 15.30 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 <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 435.000000 MHz</div><div>Center Freq: 435.000000 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 22 dB</div><div>Ref 51.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>41.0</div><div>31.0</div><div>21.0</div><div>11.0</div><div>1.00</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div></div></div><div><div>Center 435 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>47.02 dBm 0.0125 MHz</div><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>&lt; Peak &gt; 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>46.42</td><td>(-0.77)</td><td>-100.0</td><td>20.18</td><td>(-27.00)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-30.77</td><td>(-8.70)</td><td>-12.20 k</td><td>-31.02</td><td>(-6.77)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-26.24</td><td>(-6.24)</td><td>-17.95 k</td><td>-26.13</td><td>(-6.13)</td><td>17.75 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></div></div><div><div>msa</div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div></div><div><div>Frequency</div><div>Center Freq</div><div>435.000000 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div>                      | 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 | 46.42 | (-0.77) | -100.0 | 20.18 | (-27.00) | 0.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -30.77 | (-8.70) | -12.20 k | -31.02 | (-6.77) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -26.24 | (-6.24) | -17.95 k | -26.13 | (-6.13) | 17.75 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 | — | (—) | — | — | (—) | — |
| 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        | 46.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-0.77)        | -100.0    | 20.18        | (-27.00)       | 0.0            |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -30.77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-8.70)        | -12.20 k  | -31.02       | (-6.77)        | 12.50 k        |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -26.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-6.24)        | -17.95 k  | -26.13       | (-6.13)        | 17.75 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |       |          |     |           |           |          |        |         |          |        |         |         |           |           |          |        |         |          |        |         |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

# Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| TX-ANH         | FM              | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 Hz</div><div>AC</div><div>SENSE-PULSE</div><div>ALIGN-AUTO</div><div>02:00:09 PM J1/30, 2024</div></div><div>Center Freq 435.000000 MHz</div><div>Center Freq: 435.000000 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Std: None</div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 22 dB</div><div>Ref 51.0 dBm</div><div>10 dB/div</div><div>Log</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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# Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |           |          |                |                |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------|----------------|----------------|-----------|----------|----------------|-----------|--------|-----------|----------|-------|---------|--------|-------|----------|---------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-ANL         | FM              | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>09:50:08 AM Jul 31, 2024</div></div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset: 17 dB</div><div>Ref 41.0 dBm</div><div></div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 36.15 dBm 0.0125 MHz</div><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>36.09</td><td>(-0.84)</td><td>-100.0</td><td>26.48</td><td>(-10.45)</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>(-7.88)</td><td>-12.35 k</td><td>-38.33</td><td>(-3.82)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.74</td><td>(-18.74)</td><td>-15.95 k</td><td>-38.79</td><td>(-18.79)</td><td>15.80 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></div><div>msa File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div>                            | 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 | 36.09 | (-0.84) | -100.0 | 26.48 | (-10.45) | 0.0     | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.30 | (-7.88) | -12.35 k | -38.33 | (-3.82) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -38.74 | (-18.74) | -15.95 k | -38.79 | (-18.79) | 15.80 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        | 36.09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-0.84)        | -100.0    | 26.48    | (-10.45)       | 0.0            |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -41.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-7.88)        | -12.35 k  | -38.33   | (-3.82)        | 12.50 k        |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -38.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-18.74)       | -15.95 k  | -38.79   | (-18.79)       | 15.80 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-ANL         | FM              | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>09:50:30 AM Jul 31, 2024</div></div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset: 17 dB</div><div>Ref 41.0 dBm</div><div></div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 36.20 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.33</td><td>(-2.59)</td><td>-100.0</td><td>28.26</td><td>(-8.66)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-0.718</td><td>(-1.83)</td><td>-7.600 k</td><td>-35.25</td><td>(-1.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-31.99</td><td>(-11.99)</td><td>-12.60 k</td><td>-34.41</td><td>(-14.41)</td><td>15.10 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></div><div>msa File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div> | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 34.33 | (-2.59) | -100.0 | 28.26 | (-8.66)  | 2.400 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -0.718 | (-1.83) | -7.600 k | -35.25 | (-1.46) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -31.99 | (-11.99) | -12.60 k | -34.41 | (-14.41) | 15.10 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 | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lower ΔLim(dB) | Freq (Hz) | Peak dBm | Upper ΔLim(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 34.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-2.59)        | -100.0    | 28.26    | (-8.66)        | 2.400 k        |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -0.718                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-1.83)        | -7.600 k  | -35.25   | (-1.46)        | 12.40 k        |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -31.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-11.99)       | -12.60 k  | -34.41   | (-14.41)       | 15.10 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —        | (—)            | —              |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-ANL         | FM              | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE:PULSE</div><div>ALIGN:AUTO</div><div>09:51:15 AM Jul 31, 2024</div></div><div>Center Freq 435.000000 MHz</div><div>Center Freq: 435.000000 MHz</div><div>Radio Std: None</div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset: 17 dB</div><div>Ref 40.0 dBm</div><div></div><div>Center 435 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 35.61 dBm 0.0125 MHz</div><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>35.61</td><td>(-0.77)</td><td>-100.0</td><td>21.12</td><td>(-15.26)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.00</td><td>(-7.04)</td><td>-12.35 k</td><td>-41.33</td><td>(-8.46)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.10</td><td>(-16.10)</td><td>-12.55 k</td><td>-38.80</td><td>(-18.80)</td><td>12.80 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></div><div>msa File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>435.000000 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div>                          | 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 | 35.61 | (-0.77) | -100.0 | 21.12 | (-15.26) | 0.0     | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.00 | (-7.04) | -12.35 k | -41.33 | (-8.46) | 12.20 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.10 | (-16.10) | -12.55 k | -38.80 | (-18.80) | 12.80 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        | 35.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-0.77)        | -100.0    | 21.12    | (-15.26)       | 0.0            |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -41.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-7.04)        | -12.35 k  | -41.33   | (-8.46)        | 12.20 k        |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -36.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-16.10)       | -12.55 k  | -38.80   | (-18.80)       | 12.80 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —        | (—)            | —              |           |          |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

# Appendix C:Emission Mask

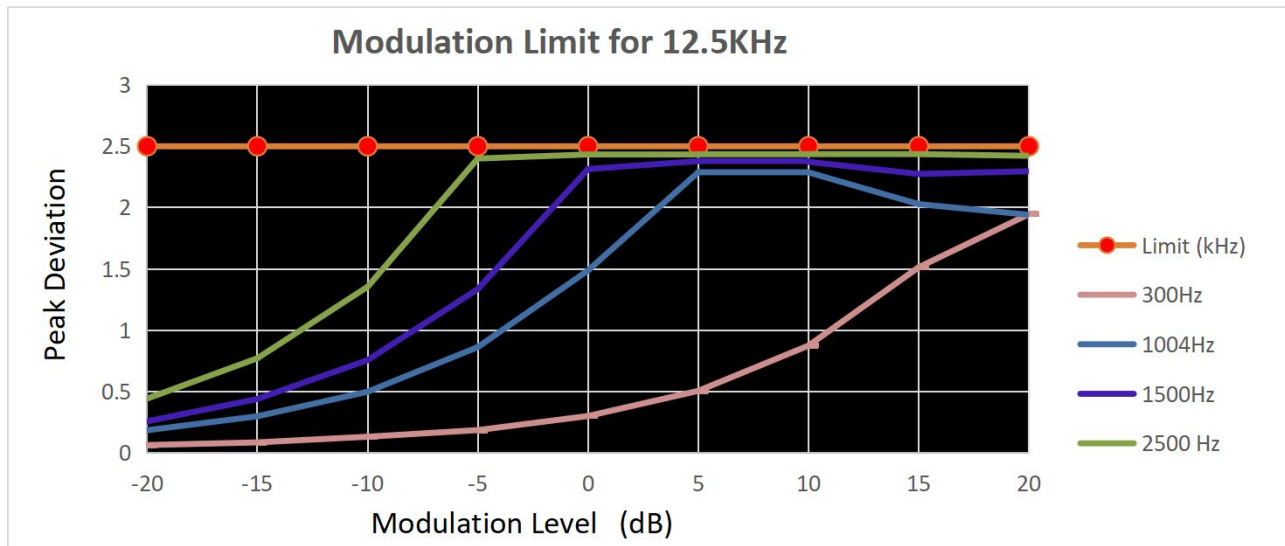
| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |           |              |                |                |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|---------|--------|-------|----------|---------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-ANL         | FM              | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE PULSE</div><div>ALIGN AUTO</div><div>09:51:37 AM J131, 2024</div></div><div>Center Freq 435.000000 MHz</div><div>Center Freq: 435.000000 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div><div>IF Gain: Low</div></div><div><div>Ref Offset 17 dB</div><div>Ref 40.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>30.0</div><div>20.0</div><div>10.0</div><div>0.0</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div></div><div><div>30.0</div><div>20.0</div><div>10.0</div><div>0.0</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div></div></div><div>Center 435 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>35.61 dBm 0.0125 MHz</div><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>&lt; Peak &gt; 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>33.81</td><td>(-2.57)</td><td>-100.0</td><td>27.77</td><td>(-8.61)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-1.254</td><td>(-1.82)</td><td>-7.600 k</td><td>-37.51</td><td>(-2.82)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.99</td><td>(-13.99)</td><td>-12.60 k</td><td>-35.85</td><td>(-15.85)</td><td>13.85 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></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>435.000000 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div> | 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 | 33.81 | (-2.57) | -100.0 | 27.77 | (-8.61)  | 2.400 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -1.254 | (-1.82) | -7.600 k | -37.51 | (-2.82) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -33.99 | (-13.99) | -12.60 k | -35.85 | (-15.85) | 13.85 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        | 33.81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-2.57)        | -100.0    | 27.77        | (-8.61)        | 2.400 k        |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -1.254                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-1.82)        | -7.600 k  | -37.51       | (-2.82)        | 12.45 k        |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -33.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-13.99)       | -12.60 k  | -35.85       | (-15.85)       | 13.85 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-ANL         | FM              | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE PULSE</div><div>ALIGN AUTO</div><div>09:52:36 AM J131, 2024</div></div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div><div>IF Gain: Low</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>1.00</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>1.00</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div></div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>35.94 dBm 0.0125 MHz</div><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>&lt; Peak &gt; 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>(-0.79)</td><td>-100.0</td><td>12.86</td><td>(-23.82)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-38.00</td><td>(-3.24)</td><td>-12.50 k</td><td>-38.08</td><td>(-4.78)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.08</td><td>(-18.08)</td><td>-13.75 k</td><td>-38.11</td><td>(-18.11)</td><td>13.50 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></div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div>     | 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 | (-0.79) | -100.0 | 12.86 | (-23.82) | 0.0     | 5.625 kHz | 12.50 kHz | 100.0 Hz | -38.00 | (-3.24) | -12.50 k | -38.08 | (-4.78) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -38.08 | (-18.08) | -13.75 k | -38.11 | (-18.11) | 13.50 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)      |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 35.89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-0.79)        | -100.0    | 12.86        | (-23.82)       | 0.0            |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -38.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-3.24)        | -12.50 k  | -38.08       | (-4.78)        | 12.30 k        |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -38.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-18.08)       | -13.75 k  | -38.11       | (-18.11)       | 13.50 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-ANL         | FM              | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50 dB</div><div>AC</div><div>SENSE PULSE</div><div>ALIGN AUTO</div><div>09:52:48 AM J131, 2024</div></div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div><div>PASS</div><div>IF Gain: Low</div></div><div><div>Ref Offset 17 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>1.00</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>1.00</div><div>9.00</div><div>19.0</div><div>29.0</div><div>39.0</div><div>49.0</div></div></div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>36.34 dBm 0.0125 MHz</div><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>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>34.05</td><td>(-2.63)</td><td>-100.0</td><td>28.06</td><td>(-8.62)</td><td>2.400 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-0.847</td><td>(-1.35)</td><td>-7.650 k</td><td>-34.47</td><td>(-0.45)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.07</td><td>(-15.07)</td><td>-12.60 k</td><td>-35.80</td><td>(-15.80)</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></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Auto<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div>         | Start Freq     | Stop Freq | Integ BW     | dBm            | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 34.05 | (-2.63) | -100.0 | 28.06 | (-8.62)  | 2.400 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -0.847 | (-1.35) | -7.650 k | -34.47 | (-0.45) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.07 | (-15.07) | -12.60 k | -35.80 | (-15.80) | 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 | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 34.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-2.63)        | -100.0    | 28.06        | (-8.62)        | 2.400 k        |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -0.847                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-1.35)        | -7.650 k  | -34.47       | (-0.45)        | 12.40 k        |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -35.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-15.07)       | -12.60 k  | -35.80       | (-15.80)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

## 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 <sub>M</sub> | -20                   | 0.063                          | 0.184  | 0.257  | 0.442   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | -15                   | 0.085                          | 0.298  | 0.439  | 0.771   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | -10                   | 0.131                          | 0.498  | 0.756  | 1.354   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | -5                    | 0.185                          | 0.862  | 1.335  | 2.400   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 0                     | 0.300                          | 1.487  | 2.314  | 2.433   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 5                     | 0.505                          | 2.288  | 2.379  | 2.435   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 10                    | 0.874                          | 2.287  | 2.373  | 2.436   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 15                    | 1.513                          | 2.028  | 2.274  | 2.436   | 2.5         | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 20                    | 1.946                          | 1.941  | 2.296  | 2.422   | 2.5         | PASS   |

## Appendix D:Modulation Limit

### TEST PLOT RESULT

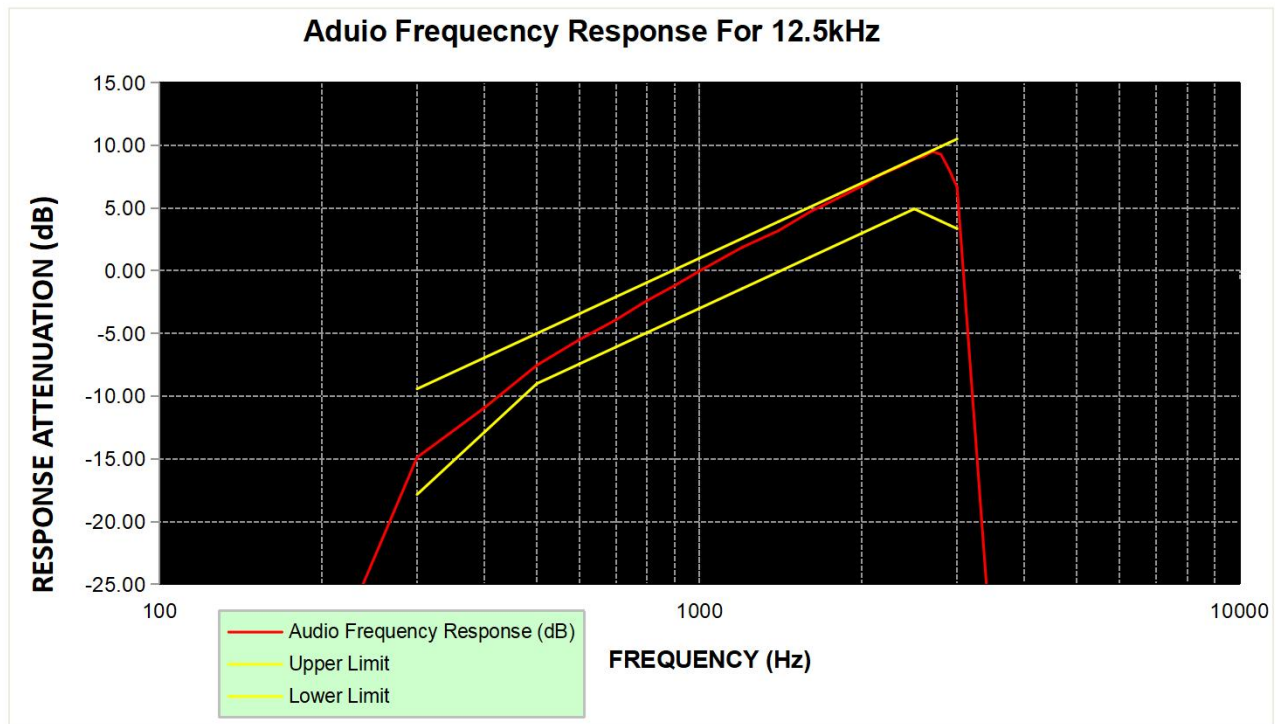


## Appendix E:Audio Frequency Response

| Operation Mode | Modulation Type | Test Channel    | Frequency (Hz) | Audio Frequency Response (dB) | Lower Limit | Upper Limit | Result |
|----------------|-----------------|-----------------|----------------|-------------------------------|-------------|-------------|--------|
| TX-ANH         | FM              | CH <sub>M</sub> | 100            | -32.87                        |             |             | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 200            | -32.68                        |             |             | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 300            | -14.89                        | -17.84      | -9.42       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 400            | -10.92                        | -12.86      | -6.93       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 500            | -7.53                         | -9.00       | -5.00       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 600            | -5.48                         | -7.42       | -3.42       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 700            | -3.92                         | -6.09       | -2.09       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 800            | -2.38                         | -4.93       | -0.93       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 900            | -1.18                         | -3.91       | 0.09        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 1000           | -0.02                         | -3.00       | 1.00        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 1200           | 1.87                          | -1.42       | 2.58        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 1400           | 3.19                          | -0.09       | 3.91        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 1600           | 4.69                          | 1.07        | 5.07        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 1800           | 5.77                          | 2.09        | 6.09        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2000           | 6.77                          | 3.00        | 7.00        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2100           | 7.35                          | 3.42        | 7.42        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2200           | 7.78                          | 3.83        | 7.83        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2300           | 8.13                          | 4.21        | 8.21        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2400           | 8.49                          | 4.58        | 8.58        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2500           | 8.91                          | 4.93        | 8.93        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2600           | 9.11                          | 4.59        | 9.27        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2700           | 9.51                          | 4.27        | 9.60        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2800           | 9.28                          | 3.95        | 9.91        | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 2900           | 8.06                          | 3.65        | 10.22       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 3000           | 6.65                          | 3.35        | 10.51       | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 3500           | -32.48                        |             |             | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 4000           | -32.70                        |             |             | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 4500           | -32.92                        |             |             | PASS   |
| TX-ANH         | FM              | CH <sub>M</sub> | 5000           | -32.64                        |             |             | 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 <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | 0.109                 | 0.102           | 0.097           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | 0.108                 | 0.102           | 0.099           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | 0.111                 | 0.103           | 0.104           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | 0.106                 | 0.104           | 0.102           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | 0.102                 | 0.103           | 0.103           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | 0.101                 | 0.095           | 0.096           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | 0.107                 | 0.099           | 0.098           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | 0.104                 | 0.099           | 0.097           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 50          | 0.111                 | 0.100           | 0.100           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | 0.023                 | 0.025           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | 0.024                 | 0.023           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | 0.022                 | 0.025           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | 0.023                 | 0.025           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | 0.023                 | 0.025           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | 0.022                 | 0.023           | 0.018           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | 0.022                 | 0.024           | 0.020           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | 0.024                 | 0.024           | 0.018           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 50          | 0.022                 | 0.024           | 0.020           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | -30         | 0.425                 | 0.420           | 0.443           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | -20         | 0.412                 | 0.428           | 0.418           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | -10         | 0.412                 | 0.415           | 0.435           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 0           | 0.415                 | 0.430           | 0.413           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 10          | 0.426                 | 0.453           | 0.423           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 20          | 0.395                 | 0.414           | 0.411           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 30          | 0.399                 | 0.453           | 0.433           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 40          | 0.430                 | 0.423           | 0.427           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | 50          | 0.401                 | 0.418           | 0.448           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | -30         | 0.408                 | 0.436           | 0.446           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | -20         | 0.438                 | 0.429           | 0.450           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | -10         | 0.401                 | 0.425           | 0.424           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 0           | 0.403                 | 0.414           | 0.432           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 10          | 0.423                 | 0.431           | 0.453           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 20          | 0.398                 | 0.409           | 0.419           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 30          | 0.408                 | 0.433           | 0.447           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 40          | 0.426                 | 0.410           | 0.442           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | 50          | 0.408                 | 0.443           | 0.432           | ±5.0        | PASS   |

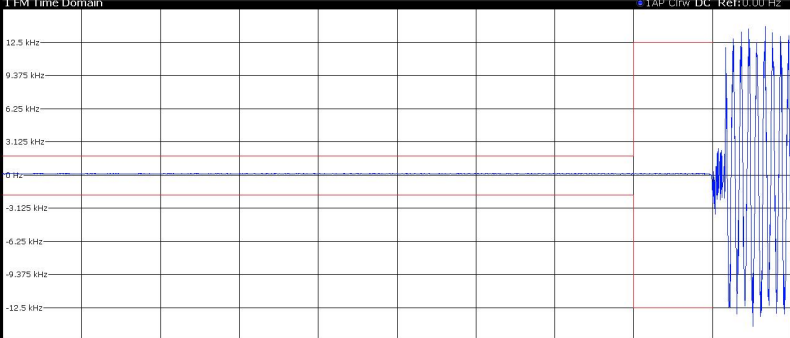
## Appendix G:Frequency Stability Test & Voltage

| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                 |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|-----------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.101                 | 0.095           | 0.096           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.102                 | 0.096           | 0.097           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.103                 | 0.099           | 0.097           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.022                 | 0.023           | 0.018           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.022                 | 0.023           | 0.018           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.023                 | 0.023           | 0.019           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>N</sub>  | T <sub>N</sub> | 0.395                 | 0.414           | 0.411           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>L</sub>  | T <sub>N</sub> | 0.401                 | 0.414           | 0.418           | ±5.0        | PASS   |
| TX-ANH         | FM              | V <sub>H</sub>  | T <sub>N</sub> | 0.415                 | 0.436           | 0.414           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>N</sub>  | T <sub>N</sub> | 0.398                 | 0.409           | 0.419           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>L</sub>  | T <sub>N</sub> | 0.398                 | 0.417           | 0.426           | ±5.0        | PASS   |
| TX-ANL         | FM              | V <sub>H</sub>  | T <sub>N</sub> | 0.409                 | 0.431           | 0.428           | ±5.0        | PASS   |

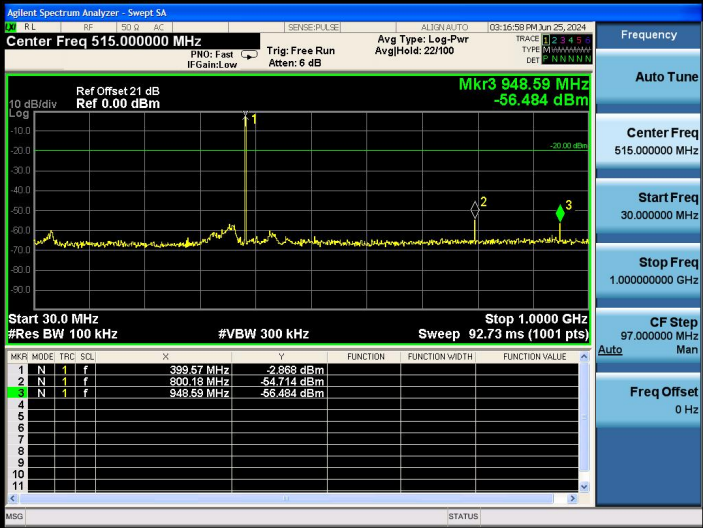
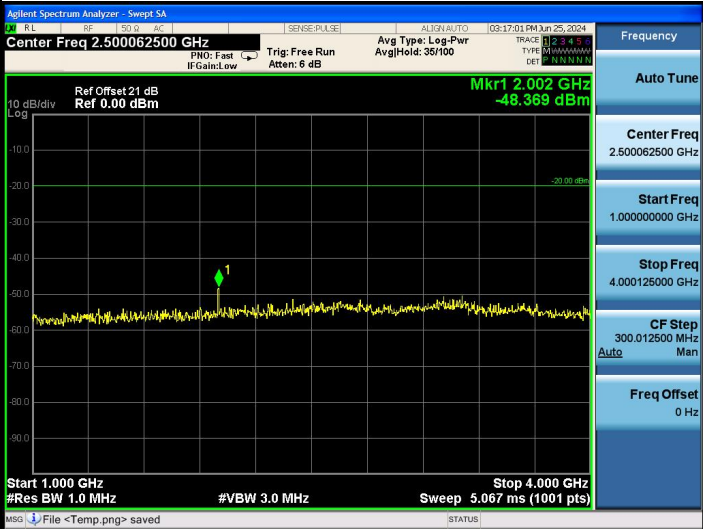
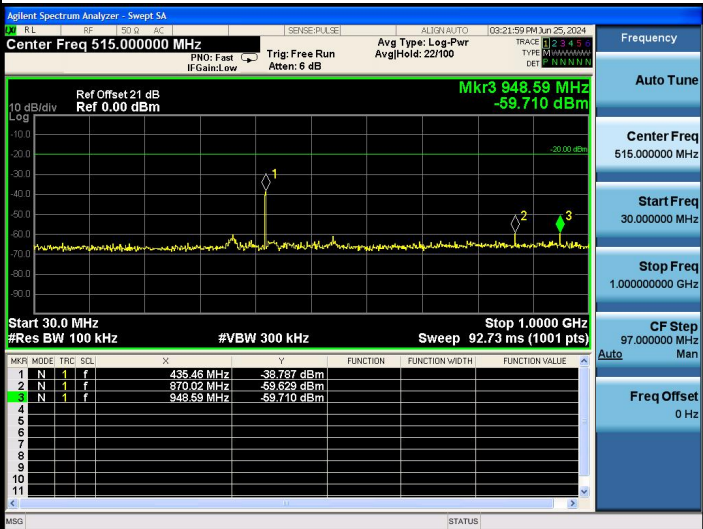
## Appendix H:Transmitter Frequency Behavior

| Operation Mode           | Modulation Type     | Test Channel         | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |            |       |     |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
|--------------------------|---------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------|-------|-----|--------------------------|--|--|--|----|---------------------|----------------------|-----------------------|-------------------|------------|-------|-----|
| TX-DNH                   | 4FSK                | CH <sub>M</sub>      | <div><div><div>MultiViewSpectrumAnalog Demod</div><div>Ref Level 50.00 dBm Offset 20.50 dB<br/>Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz<br/>TRG:IFPX (17MHz) YIG Bypass</div><div><div>1 FM Time Domain</div><div><div>12.5 kHz</div><div>10.0 kHz</div><div>7.5 kHz</div><div>5.0 kHz</div><div>2.5 kHz</div><div>0 kHz</div><div>-2.5 kHz</div><div>-5.0 kHz</div><div>-7.5 kHz</div><div>-10.0 kHz</div><div>-12.5 kHz</div></div><div><div>1AP Cirw DC Ref:0.00 Hz</div></div></div><div>CF 435.0 MHz1001 pts10.0 ms/</div><div>4 Result Summary</div><table><tr><td colspan="4">Carrier Power -41.05 dBm</td><td colspan="4">Carrier Offset 116.05 Hz</td></tr><tr><td>FM</td><td>+Peak<br/>14.55 kHz</td><td>-Peak<br/>-13.638 kHz</td><td>+Peak/2<br/>14.094 kHz</td><td>RMS<br/>2.7044 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table><div>Analog Demod: Waiting for Trigger...</div><div>Measuring...26.06.2024 11:06:11</div><div>Date: 26 JUN 2024 11:06:11</div></div><div>OFF~ON</div></div>  | Carrier Power -41.05 dBm |            |       |     | Carrier Offset 116.05 Hz |  |  |  | FM | +Peak<br>14.55 kHz  | -Peak<br>-13.638 kHz | +Peak/2<br>14.094 kHz | RMS<br>2.7044 kHz | Mod. Freq. | SINAD | THD |
| Carrier Power -41.05 dBm |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Carrier Offset 116.05 Hz |            |       |     |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
| FM                       | +Peak<br>14.55 kHz  | -Peak<br>-13.638 kHz | +Peak/2<br>14.094 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RMS<br>2.7044 kHz        | Mod. Freq. | SINAD | THD |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
| TX-DNH                   | 4FSK                | CH <sub>M</sub>      | <div><div><div>MultiViewSpectrumAnalog Demod</div><div>Ref Level 50.00 dBm Offset 20.50 dB<br/>Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz<br/>TRG:IFPX (17MHz) YIG Bypass</div><div><div>1 FM Time Domain</div><div><div>12.5 kHz</div><div>10.0 kHz</div><div>7.5 kHz</div><div>5.0 kHz</div><div>2.5 kHz</div><div>0 kHz</div><div>-2.5 kHz</div><div>-5.0 kHz</div><div>-7.5 kHz</div><div>-10.0 kHz</div><div>-12.5 kHz</div></div><div><div>1AP Cirw DC Ref:0.00 Hz</div></div></div><div>CF 435.0 MHz1001 pts10.0 ms/</div><div>4 Result Summary</div><table><tr><td colspan="4">Carrier Power -41.09 dBm</td><td colspan="4">Carrier Offset 125.64 Hz</td></tr><tr><td>FM</td><td>+Peak<br/>14.198 kHz</td><td>-Peak<br/>-13.541 kHz</td><td>+Peak/2<br/>13.87 kHz</td><td>RMS<br/>2.5231 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table><div>Analog Demod: Waiting for Trigger...</div><div>Measuring...26.06.2024 11:07:08</div><div>Date: 26 JUN 2024 11:07:07</div></div><div>ON-OFF</div></div>  | Carrier Power -41.09 dBm |            |       |     | Carrier Offset 125.64 Hz |  |  |  | FM | +Peak<br>14.198 kHz | -Peak<br>-13.541 kHz | +Peak/2<br>13.87 kHz  | RMS<br>2.5231 kHz | Mod. Freq. | SINAD | THD |
| Carrier Power -41.09 dBm |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Carrier Offset 125.64 Hz |            |       |     |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
| FM                       | +Peak<br>14.198 kHz | -Peak<br>-13.541 kHz | +Peak/2<br>13.87 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RMS<br>2.5231 kHz        | Mod. Freq. | SINAD | THD |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
| TX-ANH                   | FM                  | CH <sub>M</sub>      | <div><div><div>MultiViewSpectrumAnalog Demod</div><div>Ref Level 50.00 dBm Offset 20.50 dB<br/>Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz<br/>TRG:IFPX (17MHz) YIG Bypass</div><div><div>1 FM Time Domain</div><div><div>12.5 kHz</div><div>10.0 kHz</div><div>7.5 kHz</div><div>5.0 kHz</div><div>2.5 kHz</div><div>0 kHz</div><div>-2.5 kHz</div><div>-5.0 kHz</div><div>-7.5 kHz</div><div>-10.0 kHz</div><div>-12.5 kHz</div></div><div><div>1AP Cirw DC Ref:0.00 Hz</div></div></div><div>CF 435.0 MHz1001 pts10.0 ms/</div><div>4 Result Summary</div><table><tr><td colspan="4">Carrier Power -41.04 dBm</td><td colspan="4">Carrier Offset 114.06 Hz</td></tr><tr><td>FM</td><td>+Peak<br/>16.062 kHz</td><td>-Peak<br/>-14.206 kHz</td><td>+Peak/2<br/>15.134 kHz</td><td>RMS<br/>2.7256 kHz</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr></table><div>Analog Demod: Waiting for Trigger...</div><div>Measuring...26.06.2024 11:05:18</div><div>Date: 26 JUN 2024 11:05:18</div></div><div>OFF~ON</div></div> | Carrier Power -41.04 dBm |            |       |     | Carrier Offset 114.06 Hz |  |  |  | FM | +Peak<br>16.062 kHz | -Peak<br>-14.206 kHz | +Peak/2<br>15.134 kHz | RMS<br>2.7256 kHz | Mod. Freq. | SINAD | THD |
| Carrier Power -41.04 dBm |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Carrier Offset 114.06 Hz |            |       |     |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |
| FM                       | +Peak<br>16.062 kHz | -Peak<br>-14.206 kHz | +Peak/2<br>15.134 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RMS<br>2.7256 kHz        | Mod. Freq. | SINAD | THD |                          |  |  |  |    |                     |                      |                       |                   |            |       |     |

Appendix H:Transmitter Frequency Behavior

| Operation Mode | Modulation Type                                                      | Test Channel                     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                         |                          |  |                                                                      |                                  |    |  |  |
|----------------|----------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|--------------------------|--|----------------------------------------------------------------------|----------------------------------|----|--|--|
| TX-ANH         | FM                                                                   | CH <sub>M</sub>                  | <div><div>MultiViewSpectrumAnalog Demod</div><div>Ref Level 50.00 dBm Offset 20.50 dB<br/>Att 39 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz<br/>TRG: (FEX 17MHz) YIG Bypass</div><div>1 FM Time Domain 1AP Clrw DC, ReR0.00 Hz</div><div></div><div>CF 435.0 MHz 1001 pts 10.0 ms/</div><div>4 Result Summary</div><table><tr><td></td><td>Carrier Power 41.00 dBm</td><td>Carrier Offset 108.32 Hz</td></tr><tr><td></td><td>+Peak 14.003 kHz -Peak -14.264 kHz +Peak/2 14.133 kHz RMS 2.5332 kHz</td><td>Mod. Freq. --- SINAD --- THD ---</td></tr><tr><td>FM</td><td></td><td></td></tr></table><div>Analog Demod: Waiting for Trigger... Measuring... 26.06.2024 11:06:47</div><div>Date: 26 JUN 2024 11:06:48</div><div>ON-OFF</div></div> |  | Carrier Power 41.00 dBm | Carrier Offset 108.32 Hz |  | +Peak 14.003 kHz -Peak -14.264 kHz +Peak/2 14.133 kHz RMS 2.5332 kHz | Mod. Freq. --- SINAD --- THD --- | FM |  |  |
|                | Carrier Power 41.00 dBm                                              | Carrier Offset 108.32 Hz         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                         |                          |  |                                                                      |                                  |    |  |  |
|                | +Peak 14.003 kHz -Peak -14.264 kHz +Peak/2 14.133 kHz RMS 2.5332 kHz | Mod. Freq. --- SINAD --- THD --- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                         |                          |  |                                                                      |                                  |    |  |  |
| FM             |                                                                      |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                         |                          |  |                                                                      |                                  |    |  |  |

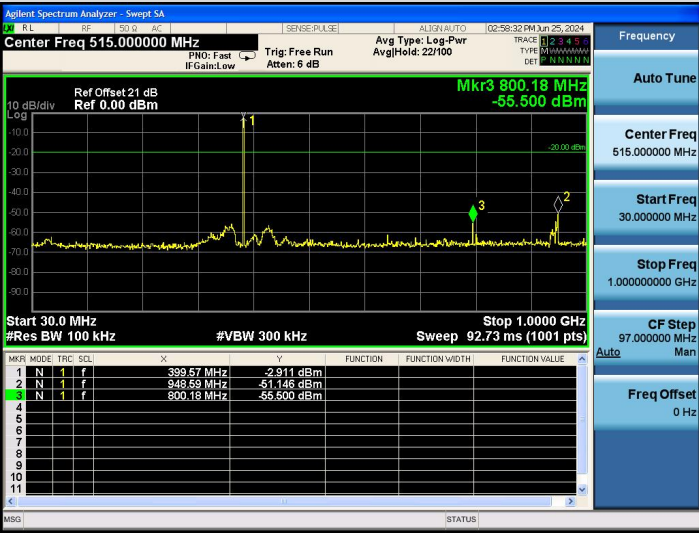
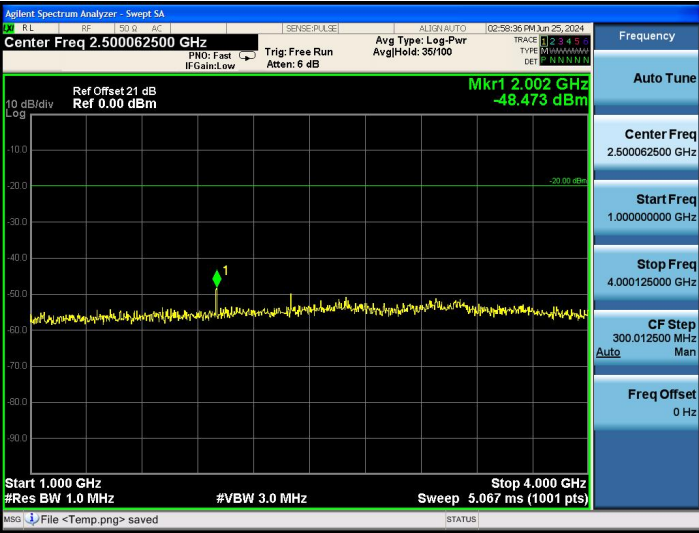
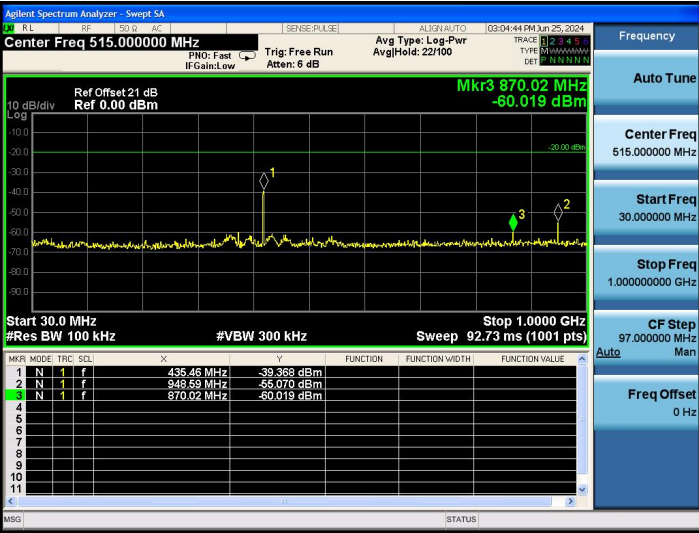
# Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                              |
|----------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>L</sub> |  <p>30MHz~1GHz</p>          |
| TX-DNH         | 4FSK            | CH <sub>L</sub> |  <p>1GHz~10th Harmonic</p> |
| TX-DNH         | 4FSK            | CH <sub>M</sub> |  <p>30MHz~1GHz</p>        |

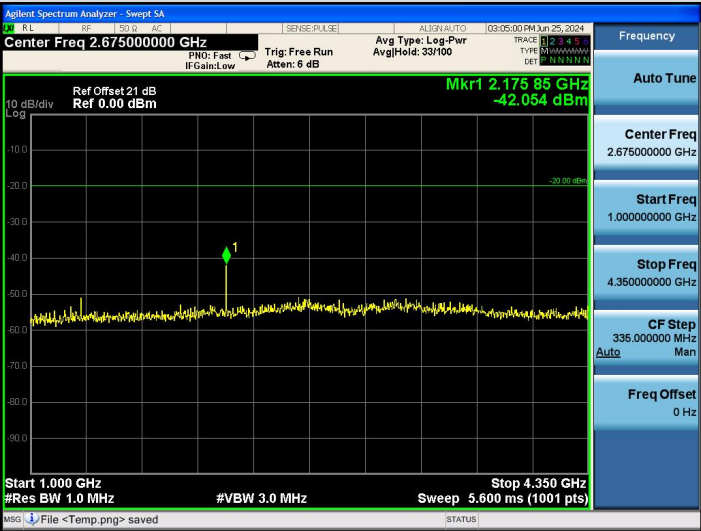
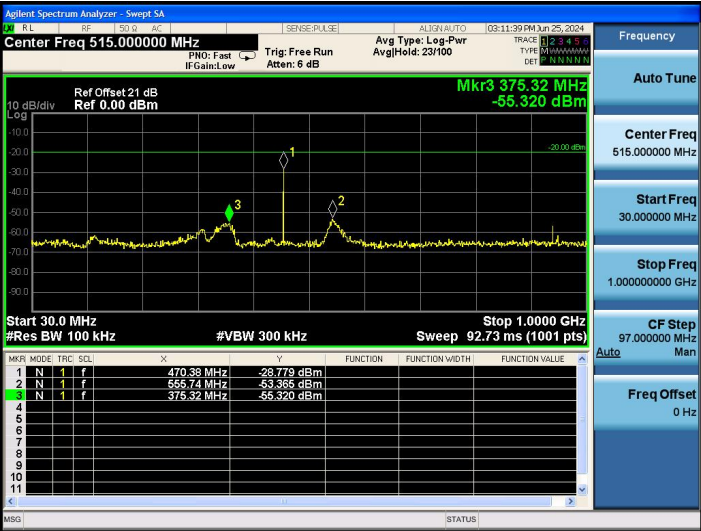
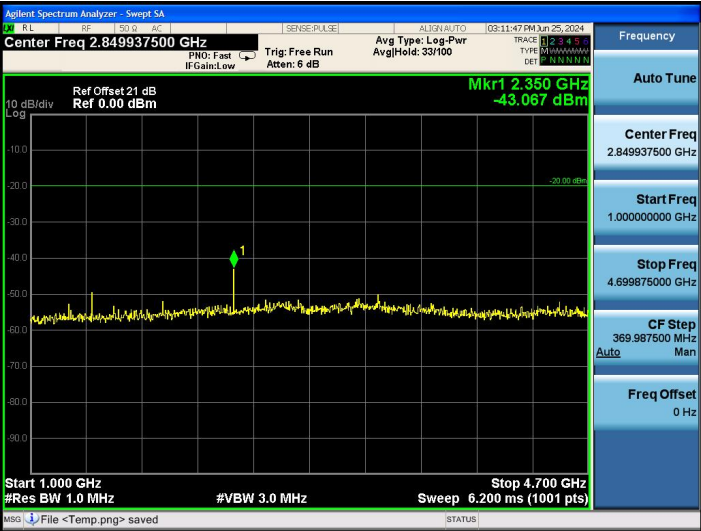
# Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.67500000 GHz</div><div>Ref Offset 21 dB<br/>Ref 0.00 dBm</div><div>Mkr1 2.175 85 GHz<br/>-42.180 dBm</div><div>Start 1.000 GHz<br/>#Res BW 1.0 MHz</div><div>Stop 4.350 GHz<br/>#VBW 3.0 MHz</div><div>Sweep 5.600 ms (1001 pts)</div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.675000000 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>4.350000000 GHz</div><div>CF Step<br/>335.000000 MHz<br/>Auto</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div> |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 21 dB<br/>Ref 0.00 dBm</div><div>Mkr3 362.71 MHz<br/>-55.499 dBm</div><div>Start 30.0 MHz<br/>#Res BW 100 kHz</div><div>Stop 1.000 GHz<br/>#VBW 300 kHz</div><div>Sweep 92.73 ms (1001 pts)</div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>515.000000 MHz</div><div>Start Freq<br/>30.000000 MHz</div><div>Stop Freq<br/>1.000000000 GHz</div><div>CF Step<br/>97.000000 MHz<br/>Auto</div><div>Freq Offset<br/>0 Hz</div></div></div><div>30MHz~1GHz</div></div>                |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.849937500 GHz</div><div>Ref Offset 21 dB<br/>Ref 0.00 dBm</div><div>Mkr1 2.350 GHz<br/>-42.900 dBm</div><div>Start 1.000 GHz<br/>#Res BW 1.0 MHz</div><div>Stop 4.700 GHz<br/>#VBW 3.0 MHz</div><div>Sweep 6.200 ms (1001 pts)</div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.849937500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>4.699875000 GHz</div><div>CF Step<br/>369.987500 MHz<br/>Auto</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div>   |

# Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                              |
|----------------|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------|
| TX-ANH         | FM              | CH <sub>L</sub> |  <p>30MHz~1GHz</p>          |
| TX-ANH         | FM              | CH <sub>L</sub> |  <p>1GHz~10th Harmonic</p> |
| TX-ANH         | FM              | CH <sub>M</sub> |  <p>30MHz~1GHz</p>        |

# Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-ANH         | FM              | CH <sub>M</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.675000000 GHz</p> <p>Ref Offset 21 dB<br/>Ref 0.00 dBm</p> <p>Mkr1 2.175 85 GHz<br/>-42.054 dBm</p> <p>Start 1.000 GHz<br/>#Res BW 1.0 MHz</p> <p>Stop 4.350 GHz<br/>#VBW 3.0 MHz<br/>Sweep 5.600 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>2.675000000 GHz</p> <p>Start Freq<br/>1.000000000 GHz</p> <p>Stop Freq<br/>4.350000000 GHz</p> <p>CF Step<br/>335.0000000 MHz<br/>Auto Man</p> <p>Freq Offset<br/>0 Hz</p> <p>1GHz~10th Harmonic</p> |
| TX-ANH         | FM              | CH <sub>H</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>Ref Offset 21 dB<br/>Ref 0.00 dBm</p> <p>Mkr3 375.32 MHz<br/>-55.320 dBm</p> <p>Start 30.0 MHz<br/>#Res BW 100 kHz</p> <p>Stop 1.000 GHz<br/>#VBW 300 kHz<br/>Sweep 92.73 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>515.0000000 MHz</p> <p>Start Freq<br/>30.0000000 MHz</p> <p>Stop Freq<br/>1.000000000 GHz</p> <p>CF Step<br/>97.0000000 MHz<br/>Auto Man</p> <p>Freq Offset<br/>0 Hz</p> <p>30MHz~1GHz</p>             |
| TX-ANH         | FM              | CH <sub>H</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.849937500 GHz</p> <p>Ref Offset 21 dB<br/>Ref 0.00 dBm</p> <p>Mkr1 2.350 GHz<br/>-43.067 dBm</p> <p>Start 1.000 GHz<br/>#Res BW 1.0 MHz</p> <p>Stop 4.700 GHz<br/>#VBW 3.0 MHz<br/>Sweep 6.200 ms (1001 pts)</p> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq<br/>2.849937500 GHz</p> <p>Start Freq<br/>1.000000000 GHz</p> <p>Stop Freq<br/>4.699875000 GHz</p> <p>CF Step<br/>369.9875000 MHz<br/>Auto Man</p> <p>Freq Offset<br/>0 Hz</p> <p>1GHz~10th Harmonic</p>  |

----End of Report----