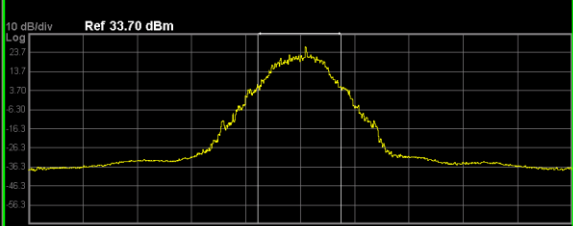




Appendix B:Occupied Bandwidth

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Occupied BW</div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Trig: Free Run</div><div>AvgHeld: 10/10</div><div>Radio Std: None</div><div>Radio Device: BTS</div></div></div><div><div>10 dB/div</div><div>Ref 33.70 dBm</div><div></div><div><div>Center 470 MHz</div><div>#Res BW 100 Hz</div><div>#VBW 300 Hz</div><div>Span 50 kHz</div><div>Sweep FFT</div></div><div><div>Occupied Bandwidth</div><div>7.627 kHz</div><div>Total Power</div><div>37.3 dBm</div><div>Transmit Freq Error</div><div>-73 Hz</div><div>OBW Power</div><div>99.00 %</div><div>x dB Bandwidth</div><div>9.614 kHz</div><div>x dB</div><div>-26.00 dB</div></div></div></div><div><div>Frequency</div><div>Center Freq</div><div>469.987500 MHz</div><div>CF Step</div><div>5.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div><div><div>MOD</div><div>STATUS</div><div>DC Coupled</div></div></div></div> |

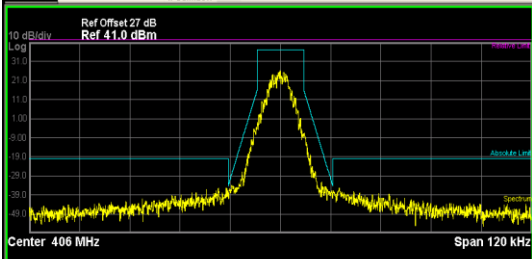
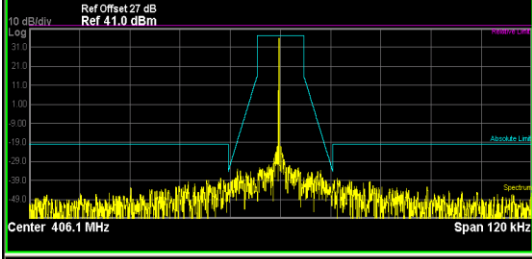
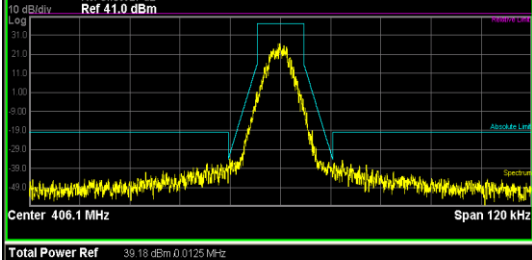


## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNH         | 4FSK            | CH <sub>L</sub>  | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>ISO G</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:08:24 PM Nov 23, 2018</div></div></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 27 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div></div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>0.0</div><div>-9.0</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>35.39 dBm 0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.39</td><td>(-1.52)</td><td>-300.0</td><td>-5.753</td><td>(-42.66)</td><td>350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.73</td><td>(-4.29)</td><td>-12.35 k</td><td>-36.44</td><td>(-5.19)</td><td>12.05 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.40</td><td>(-17.40)</td><td>-12.50 k</td><td>-38.85</td><td>(-18.85)</td><td>14.40 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div></div><div><div>MSG</div><div>File &lt;MASK D.state&gt; recalled</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 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 | 35.39 | (-1.52)  | -300.0 | -5.753 | (-42.66) | 350.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -37.73 | (-4.29) | -12.35 k | -36.44 | (-5.19) | 12.05 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -37.40 | (-17.40) | -12.50 k | -38.85 | (-18.85) | 14.40 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| 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         | 35.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-1.52)        | -300.0    | -5.753       | (-42.66)       | 350.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -37.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-4.29)        | -12.35 k  | -36.44       | (-5.19)        | 12.05 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -37.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-17.40)       | -12.50 k  | -38.85       | (-18.85)       | 14.40 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNH         | 4FSK            | CH <sub>L</sub>  | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>ISO G</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:09:02 PM Nov 23, 2018</div></div></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 27 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div></div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>0.0</div><div>-9.0</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>38.55 dBm 0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.14</td><td>(-10.77)</td><td>-550.0</td><td>26.53</td><td>(-10.37)</td><td>400.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.26</td><td>(-1.73)</td><td>-12.50 k</td><td>-39.23</td><td>(-4.70)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-34.20</td><td>(-14.20)</td><td>-14.85 k</td><td>-34.20</td><td>(-14.20)</td><td>14.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div></div><div><div>MSG</div><div>File &lt;Temp.png&gt; saved</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq<br/>400.012500 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 | 26.14 | (-10.77) | -550.0 | 26.53  | (-10.37) | 400.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -36.26 | (-1.73) | -12.50 k | -39.23 | (-4.70) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -34.20 | (-14.20) | -14.85 k | -34.20 | (-14.20) | 14.90 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 26.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-10.77)       | -550.0    | 26.53        | (-10.37)       | 400.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -36.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-1.73)        | -12.50 k  | -39.23       | (-4.70)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -34.20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-14.20)       | -14.85 k  | -34.20       | (-14.20)       | 14.90 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>ISO G</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>01:58:58 PM Nov 23, 2018</div></div></div><div><div>Center Freq 405.987500 MHz</div><div>Center Freq: 405.987500 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 27 dB</div><div>Ref 41.0 dBm</div><div><div>10 dB/div</div><div>Log</div></div><div><div>31.0</div><div>21.0</div><div>11.0</div><div>0.0</div><div>-9.0</div><div>-19.0</div><div>-29.0</div><div>-39.0</div><div>-49.0</div></div><div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>36.23 dBm 0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.62</td><td>(-1.51)</td><td>-250.0</td><td>-4.931</td><td>(-42.06)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.41</td><td>(-7.10)</td><td>-11.95 k</td><td>-41.34</td><td>(-7.40)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.00</td><td>(-15.00)</td><td>-12.75 k</td><td>-38.82</td><td>(-18.82)</td><td>16.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div></div><div><div>MSG</div><div>File &lt;MASK D.state&gt; recalled</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq<br/>405.987500 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 | 35.62 | (-1.51)  | -250.0 | -4.931 | (-42.06) | 450.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -37.41 | (-7.10) | -11.95 k | -41.34 | (-7.40) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.00 | (-15.00) | -12.75 k | -38.82 | (-18.82) | 16.15 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| 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         | 35.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (-1.51)        | -250.0    | -4.931       | (-42.06)       | 450.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -37.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-7.10)        | -11.95 k  | -41.34       | (-7.40)        | 12.45 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -35.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-15.00)       | -12.75 k  | -38.82       | (-18.82)       | 16.15 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|----------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 405.987500 MHz</div><div>PASS</div><div>Ref Offset 27 dB<br/>Ref 41.0 dBm</div><div></div><div>Center 406 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 39.12 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.35</td><td>(-10.78)</td><td>-50.00</td><td>25.70</td><td>(-11.43)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-35.87</td><td>(-4.48)</td><td>-12.10 k</td><td>-37.18</td><td>(-2.87)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.53</td><td>(-15.53)</td><td>-14.75 k</td><td>-35.42</td><td>(-15.42)</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></table></div><div>Frequency<br/>Center Freq<br/>405.987500 MHz<br/>CF Step<br/>12.000 kHz<br/>Auto<br/>Man<br/>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 | 26.35 | (-10.78) | -50.00 | 25.70  | (-11.43) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -35.87 | (-4.48) | -12.10 k | -37.18 | (-2.87)  | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.53 | (-15.53) | -14.75 k | -35.42 | (-15.42) | 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         | 26.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-10.78)       | -50.00    | 25.70        | (-11.43)       | 0.0            |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -35.87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-4.48)        | -12.10 k  | -37.18       | (-2.87)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -35.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-15.53)       | -14.75 k  | -35.42       | (-15.42)       | 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-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 406.112500 MHz</div><div>PASS</div><div>Ref Offset 27 dB<br/>Ref 41.0 dBm</div><div></div><div>Center 406.1 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 35.77 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.64</td><td>(-1.44)</td><td>-250.0</td><td>-21.04</td><td>(-58.12)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.67</td><td>(7.31)</td><td>-12.50 k</td><td>-44.88</td><td>(-10.52)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-38.00</td><td>(-18.00)</td><td>-14.20 k</td><td>-38.03</td><td>(-18.03)</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></table></div><div>Frequency<br/>Center Freq<br/>406.112500 MHz<br/>CF Step<br/>12.000 kHz<br/>Auto<br/>Man<br/>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 | 35.64 | (-1.44)  | -250.0 | -21.04 | (-58.12) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.67 | (7.31)  | -12.50 k | -44.88 | (-10.52) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -38.00 | (-18.00) | -14.20 k | -38.03 | (-18.03) | 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         | 35.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-1.44)        | -250.0    | -21.04       | (-58.12)       | 50.00          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -41.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (7.31)         | -12.50 k  | -44.88       | (-10.52)       | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -38.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-18.00)       | -14.20 k  | -38.03       | (-18.03)       | 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-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 406.112500 MHz</div><div>PASS</div><div>Ref Offset 27 dB<br/>Ref 41.0 dBm</div><div></div><div>Center 406.1 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 39.18 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>26.74</td><td>(-10.34)</td><td>-100.0</td><td>25.65</td><td>(-11.43)</td><td>950.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-34.13</td><td>(-2.68)</td><td>-12.10 k</td><td>-38.85</td><td>(-5.59)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-36.49</td><td>(-16.49)</td><td>-14.10 k</td><td>-34.66</td><td>(-14.66)</td><td>14.85 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></table></div><div>Frequency<br/>Center Freq<br/>406.112500 MHz<br/>CF Step<br/>12.000 kHz<br/>Auto<br/>Man<br/>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 | 26.74 | (-10.34) | -100.0 | 25.65  | (-11.43) | 950.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -34.13 | (-2.68) | -12.10 k | -38.85 | (-5.59)  | 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.49 | (-16.49) | -14.10 k | -34.66 | (-14.66) | 14.85 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         | 26.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-10.34)       | -100.0    | 25.65        | (-11.43)       | 950.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -34.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-2.68)        | -12.10 k  | -38.85       | (-5.59)        | 12.35 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -36.49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-16.49)       | -14.10 k  | -34.66       | (-14.66)       | 14.85 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        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |          |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |           |              |                |                |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|---------|--------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNH         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 438.012500 MHz</div><div>Ref Offset 28 dB</div><div>Ref 41.0 dBm</div><div>Span 120 kHz</div><div>Center 438 MHz</div><div>Total Power Ref 36.10 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.81</td><td>(-0.95)</td><td>-300.0</td><td>-4.832</td><td>(-41.60)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-37.70</td><td>(-3.76)</td><td>-12.40 k</td><td>-38.49</td><td>(-4.55)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.03</td><td>(-15.03)</td><td>-14.45 k</td><td>-35.29</td><td>(-15.29)</td><td>13.80 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></table></div><div>Frequency</div><div>Center Freq 438.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 35.81 | (-0.95) | -300.0 | -4.832 | (-41.60) | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -37.70 | (-3.76) | -12.40 k | -38.49 | (-4.55) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.03 | (-15.03) | -14.45 k | -35.29 | (-15.29) | 13.80 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         | 35.81                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-0.95)        | -300.0    | -4.832       | (-41.60)       | 100.0          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -37.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-3.76)        | -12.40 k  | -38.49       | (-4.55)        | 12.40 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -35.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-15.03)       | -14.45 k  | -35.29       | (-15.29)       | 13.80 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-DNH         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 438.012500 MHz</div><div>Ref Offset 28 dB</div><div>Ref 41.0 dBm</div><div>Span 120 kHz</div><div>Center 438 MHz</div><div>Total Power Ref 39.00 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.06</td><td>(-9.71)</td><td>-550.0</td><td>26.30</td><td>(-10.47)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.17</td><td>(-5.23)</td><td>-12.40 k</td><td>-37.86</td><td>(-3.91)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-35.41</td><td>(-15.41)</td><td>-15.45 k</td><td>-35.11</td><td>(-15.11)</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></table></div><div>Frequency</div><div>Center Freq 438.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 27.06 | (-9.71) | -550.0 | 26.30  | (-10.47) | 150.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -39.17 | (-5.23) | -12.40 k | -37.86 | (-3.91) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -35.41 | (-15.41) | -15.45 k | -35.11 | (-15.11) | 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         | 27.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-9.71)        | -550.0    | 26.30        | (-10.47)       | 150.0          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -39.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-5.23)        | -12.40 k  | -37.86       | (-3.91)        | 12.40 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -35.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-15.41)       | -15.45 k  | -35.11       | (-15.11)       | 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-DNH         | 4FSK            | CH <sub>H</sub>  | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 469.987500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 41.0 dBm</div><div>Span 120 kHz</div><div>Center 470 MHz</div><div>Total Power Ref 35.32 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>35.30</td><td>(-1.64)</td><td>-300.0</td><td>-5.584</td><td>(-42.53)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.35</td><td>(-1.86)</td><td>-12.50 k</td><td>-38.74</td><td>(-6.07)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-37.70</td><td>(-17.70)</td><td>-13.90 k</td><td>-37.78</td><td>(-17.78)</td><td>13.30 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 469.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 35.30 | (-1.64) | -300.0 | -5.584 | (-42.53) | 150.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -36.35 | (-1.86) | -12.50 k | -38.74 | (-6.07) | 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -37.70 | (-17.70) | -13.90 k | -37.78 | (-17.78) | 13.30 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 35.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-1.64)        | -300.0    | -5.584       | (-42.53)       | 150.0          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -36.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-1.86)        | -12.50 k  | -38.74       | (-6.07)        | 12.25 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -37.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-17.70)       | -13.90 k  | -37.78       | (-17.78)       | 13.30 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|---------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 469.987500 MHz</div><div>Ref Offset 27 dB<br/>Ref 41.0 dBm</div><div>10 dB/div</div><div>Log</div><div>31.0</div><div>21.0</div><div>11.0</div><div>0.0</div><div>-9.0</div><div>-19.0</div><div>-29.0</div><div>-39.0</div><div>-49.0</div><div>Center 470 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 38.29 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>27.62</td><td>(-9.32)</td><td>-50.00</td><td>26.26</td><td>(-10.68)</td><td>1.200 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-36.37</td><td>(-2.24)</td><td>-12.45 k</td><td>-39.56</td><td>(-5.43)</td><td>12.45 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>-13.30 k</td><td>-33.46</td><td>(-13.46)</td><td>13.25 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 469.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 27.62 | (-9.32)  | -50.00 | 26.26  | (-10.68) | 1.200 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -36.37 | (-2.24) | -12.45 k | -39.56 | (-5.43) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -36.02 | (-16.02) | -13.30 k | -33.46 | (-13.46) | 13.25 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 27.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-9.32)        | -50.00    | 26.26        | (-10.68)       | 1.200 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -36.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-2.24)        | -12.45 k  | -39.56       | (-5.43)        | 12.45 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -36.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-16.02)       | -13.30 k  | -33.46       | (-13.46)       | 13.25 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 400.012500 MHz</div><div>Ref Offset 27 dB<br/>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.0</div><div>-5.0</div><div>-15.0</div><div>-25.0</div><div>-35.0</div><div>-45.0</div><div>-55.0</div><div>Center 400 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 29.80 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>29.82</td><td>(-1.56)</td><td>-300.0</td><td>-8.343</td><td>(-39.72)</td><td>350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.43</td><td>(-6.26)</td><td>-12.10 k</td><td>-43.71</td><td>(-5.83)</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.78</td><td>(-22.78)</td><td>-16.90 k</td><td>-43.26</td><td>(-23.26)</td><td>13.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 400.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 29.82 | (-1.56)  | -300.0 | -8.343 | (-39.72) | 350.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -43.43 | (-6.26) | -12.10 k | -43.71 | (-5.83) | 12.20 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.78 | (-22.78) | -16.90 k | -43.26 | (-23.26) | 13.60 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 29.82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-1.56)        | -300.0    | -8.343       | (-39.72)       | 350.0          |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -43.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-6.26)        | -12.10 k  | -43.71       | (-5.83)        | 12.20 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -42.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-22.78)       | -16.90 k  | -43.26       | (-23.26)       | 13.60 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 400.012500 MHz</div><div>Ref Offset 27 dB<br/>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.0</div><div>-5.0</div><div>-15.0</div><div>-25.0</div><div>-35.0</div><div>-45.0</div><div>-55.0</div><div>Center 400 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 34.03 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.35</td><td>(-10.03)</td><td>-350.0</td><td>21.07</td><td>(-10.31)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.59</td><td>(-4.54)</td><td>-12.50 k</td><td>-41.93</td><td>(-5.87)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.71</td><td>(-20.71)</td><td>-15.50 k</td><td>-42.62</td><td>(-22.62)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 400.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 21.35 | (-10.03) | -350.0 | 21.07  | (-10.31) | 500.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -44.59 | (-4.54) | -12.50 k | -41.93 | (-5.87) | 11.95 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -40.71 | (-20.71) | -15.50 k | -42.62 | (-22.62) | 12.60 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| 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        | 21.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-10.03)       | -350.0    | 21.07        | (-10.31)       | 500.0          |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -44.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-4.54)        | -12.50 k  | -41.93       | (-5.87)        | 11.95 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -40.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-20.71)       | -15.50 k  | -42.62       | (-22.62)       | 12.60 k        |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 405.987500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div><div>Center 406 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 30.21 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.11</td><td>(-1.29)</td><td>-250.0</td><td>-9.602</td><td>(-41.00)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.12</td><td>(-1.81)</td><td>-12.40 k</td><td>-40.25</td><td>(-4.94)</td><td>11.85 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.26</td><td>(-22.26)</td><td>-21.05 k</td><td>-42.65</td><td>(-22.65)</td><td>20.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 405.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 30.11 | (-1.29)  | -250.0 | -9.602 | (-41.00) | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.12 | (-1.81) | -12.40 k | -40.25 | (-4.94) | 11.85 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.26 | (-22.26) | -21.05 k | -42.65 | (-22.65) | 20.45 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 30.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-1.29)        | -250.0    | -9.602       | (-41.00)       | 100.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -41.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-1.81)        | -12.40 k  | -40.25       | (-4.94)        | 11.85 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-22.26)       | -21.05 k  | -42.65       | (-22.65)       | 20.45 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 405.987500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div><div>Center 406 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 33.52 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.25</td><td>(-10.15)</td><td>-250.0</td><td>21.58</td><td>(-9.82)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.62</td><td>(-2.58)</td><td>-12.50 k</td><td>-41.44</td><td>(-1.40)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.58</td><td>(-22.58)</td><td>-14.60 k</td><td>-41.33</td><td>(-21.33)</td><td>14.25 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>Frequency</div><div>Center Freq 405.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 21.25 | (-10.15) | -250.0 | 21.58  | (-9.82)  | 150.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.62 | (-2.58) | -12.50 k | -41.44 | (-1.40) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.58 | (-22.58) | -14.60 k | -41.33 | (-21.33) | 14.25 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-10.15)       | -250.0    | 21.58        | (-9.82)        | 150.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-2.58)        | -12.50 k  | -41.44       | (-1.40)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-22.58)       | -14.60 k  | -41.33       | (-21.33)       | 14.25 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 406.112500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div><div>Center 406.1 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 30.04 dBm/0.0125 MHz</div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.01</td><td>(-1.33)</td><td>-300.0</td><td>-26.73</td><td>(-58.07)</td><td>550.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.25</td><td>(-7.15)</td><td>-12.50 k</td><td>-45.05</td><td>(-4.96)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.29</td><td>(-23.29)</td><td>-14.05 k</td><td>-42.40</td><td>(-22.40)</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></table></div><div>Frequency</div><div>Center Freq 406.112500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 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 | 30.01 | (-1.33)  | -300.0 | -26.73 | (-58.07) | 550.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -47.25 | (-7.15) | -12.50 k | -45.05 | (-4.96) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -43.29 | (-23.29) | -14.05 k | -42.40 | (-22.40) | 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         | 30.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-1.33)        | -300.0    | -26.73       | (-58.07)       | 550.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -47.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-7.15)        | -12.50 k  | -45.05       | (-4.96)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -43.29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-23.29)       | -14.05 k  | -42.40       | (-22.40)       | 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        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



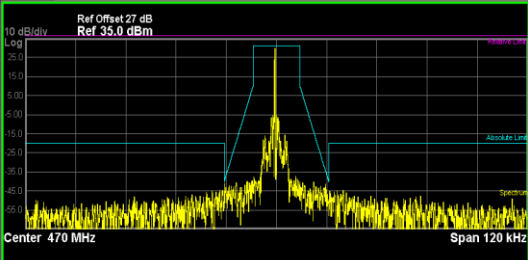
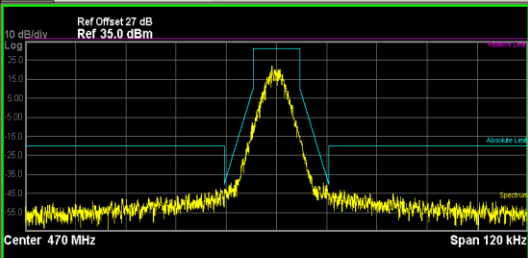
## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>0 3.1 100 Hz 100 dB AC</div><div>Center Freq 406.112500 MHz</div><div>Center Freq: 406.112500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Std: None</div><div>Radio Device: BTS</div><div>02-04-11 PM Nov 23, 2018</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div></div><div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div></div><div><div>Center 406.1 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>32.84 dBm/0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>20.89</td><td>(-10.45)</td><td>-350.0</td><td>20.96</td><td>(-10.38)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.69</td><td>(-4.41)</td><td>-12.25 k</td><td>-43.66</td><td>(-4.29)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.10</td><td>(-23.10)</td><td>-12.55 k</td><td>-41.48</td><td>(-21.48)</td><td>12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div><div>MSG File &lt;Temp.png&gt; saved</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq 406.112500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto Man</div><div>Freq Offset 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 | 20.89 | (-10.45) | -350.0 | 20.96  | (-10.38) | 750.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.69 | (-4.41) | -12.25 k | -43.66 | (-4.29) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -43.10 | (-23.10) | -12.55 k | -41.48 | (-21.48) | 12.95 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 20.89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-10.45)       | -350.0    | 20.96        | (-10.38)       | 750.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-4.41)        | -12.25 k  | -43.66       | (-4.29)        | 12.40 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -43.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-23.10)       | -12.55 k  | -41.48       | (-21.48)       | 12.95 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>0 3.1 100 Hz 100 dB AC</div><div>Center Freq 438.012500 MHz</div><div>Center Freq: 438.012500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Std: None</div><div>Radio Device: BTS</div><div>02-07-11 PM Nov 23, 2018</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div></div><div><div>Ref Offset 28 dB</div><div>Ref 35.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div></div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>30.99 dBm/0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>30.73</td><td>(-0.67)</td><td>-300.0</td><td>-8.257</td><td>(-39.66)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.00</td><td>(-6.87)</td><td>-12.10 k</td><td>-45.12</td><td>(-6.89)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.44</td><td>(-23.44)</td><td>-18.70 k</td><td>-43.54</td><td>(-23.54)</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></table></div><div><div>MSG File &lt;MASK D.state&gt; recalled</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq 438.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto Man</div><div>Freq Offset 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 | 30.73 | (-0.67)  | -300.0 | -8.257 | (-39.66) | 300.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -44.00 | (-6.87) | -12.10 k | -45.12 | (-6.89) | 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -43.44 | (-23.44) | -18.70 k | -43.54 | (-23.54) | 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         | 30.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-0.67)        | -300.0    | -8.257       | (-39.66)       | 300.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -44.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-6.87)        | -12.10 k  | -45.12       | (-6.89)        | 12.25 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -43.44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-23.44)       | -18.70 k  | -43.54       | (-23.54)       | 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-DNL         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>0 3.1 100 Hz 100 dB AC</div><div>Center Freq 438.012500 MHz</div><div>Center Freq: 438.012500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Std: None</div><div>Radio Device: BTS</div><div>02-07-50 PM Nov 23, 2018</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>#Atten: 40 dB</div></div><div><div>Ref Offset 28 dB</div><div>Ref 35.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>25.0</div><div>15.0</div><div>5.00</div><div>5.00</div><div>15.0</div><div>25.0</div><div>35.0</div><div>45.0</div><div>55.0</div></div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>33.73 dBm/0.0125 MHz</div></div><div><table><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt; dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>19.74</td><td>(-11.66)</td><td>-500.0</td><td>22.10</td><td>(-9.30)</td><td>650.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.07</td><td>(-1.21)</td><td>-12.20 k</td><td>-43.53</td><td>(-3.49)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-39.89</td><td>(-19.89)</td><td>-15.90 k</td><td>-40.56</td><td>(-20.56)</td><td>12.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div><div>MSG File &lt;Temp.png&gt; saved</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Center Freq 438.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto Man</div><div>Freq Offset 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 | 19.74 | (-11.66) | -500.0 | 22.10  | (-9.30)  | 650.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -39.07 | (-1.21) | -12.20 k | -43.53 | (-3.49) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -39.89 | (-19.89) | -15.90 k | -40.56 | (-20.56) | 12.90 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 19.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-11.66)       | -500.0    | 22.10        | (-9.30)        | 650.0          |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -39.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-1.21)        | -12.20 k  | -43.53       | (-3.49)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -39.89                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-19.89)       | -15.90 k  | -40.56       | (-20.56)       | 12.90 k        |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |





Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |          |        |                |           |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|--------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|---------|----------|--------|----------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 469.987500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div></div><div>Center 470 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 29.91 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>29.67</td><td>(-1.54)</td><td>-300.0</td><td>-5.288</td><td>(-36.51)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.03</td><td>(-1.17)</td><td>-12.45 k</td><td>-41.33</td><td>(-6.20)</td><td>11.80 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.42</td><td>(-24.42)</td><td>-12.80 k</td><td>-44.42</td><td>(-24.42)</td><td>15.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>Frequency</div><div>Center Freq 469.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 0 Hz</div><div>File &lt;MASK.D.state&gt; recalled</div><div>STATUS</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 | 29.67 | (-1.54) | -300.0   | -5.288 | (-36.51) | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.03 | (-1.17) | -12.45 k | -41.33 | (-6.20) | 11.80 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -44.42 | (-24.42) | -12.80 k | -44.42 | (-24.42) | 15.95 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
|                |                 |                 | Start Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stop Freq | Integ BW | dBm    | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 29.67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-1.54)   | -300.0   | -5.288 | (-36.51)       | 100.0     |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -41.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-1.17)   | -12.45 k | -41.33 | (-6.20)        | 11.80 k   |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -44.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-24.42)  | -12.80 k | -44.42 | (-24.42)       | 15.95 k   |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>Center Freq 469.987500 MHz</div><div>Ref Offset 27 dB</div><div>Ref 35.0 dBm</div><div>10 dB/div</div><div>Log</div><div></div><div>Center 470 MHz</div><div>Span 120 kHz</div><div>Total Power Ref 32.64 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>21.85</td><td>(-9.37)</td><td>-1.050 k</td><td>20.18</td><td>(-11.04)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.72</td><td>(3.59)</td><td>-12.35 k</td><td>-40.84</td><td>(3.63)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.55</td><td>(22.55)</td><td>-13.25 k</td><td>-43.12</td><td>(23.12)</td><td>15.15 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>Frequency</div><div>Center Freq 469.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Auto</div><div>Man</div><div>Freq Offset 0 Hz</div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</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 | 21.85 | (-9.37) | -1.050 k | 20.18  | (-11.04) | 450.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.72 | (3.59)  | -12.35 k | -40.84 | (3.63)  | 12.10 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.55 | (22.55)  | -13.25 k | -43.12 | (23.12)  | 15.15 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
|                |                 |                 | 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        | 21.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-9.37)   | -1.050 k | 20.18  | (-11.04)       | 450.0     |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -42.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (3.59)    | -12.35 k | -40.84 | (3.63)         | 12.10 k   |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -42.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (22.55)   | -13.25 k | -43.12 | (23.12)        | 15.15 k   |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)       | —        | —      | (—)            | —         |              |                |                |           |              |                |           |        |           |          |       |         |          |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



**Appendix F:Frequency Stability Test & Temperature**

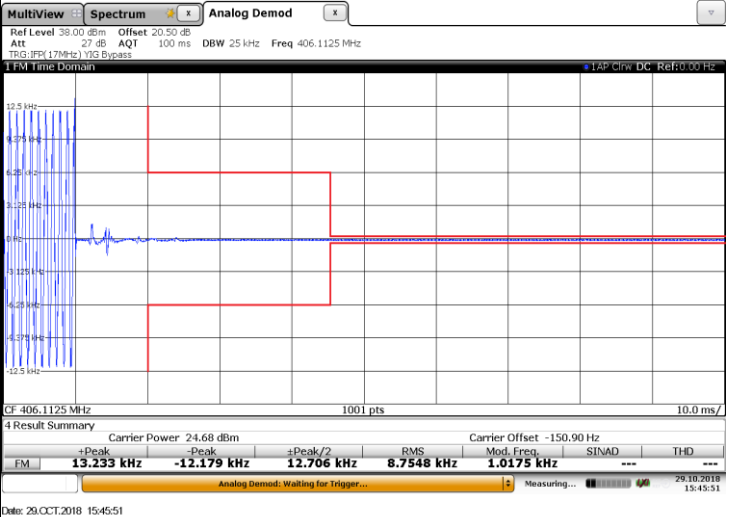
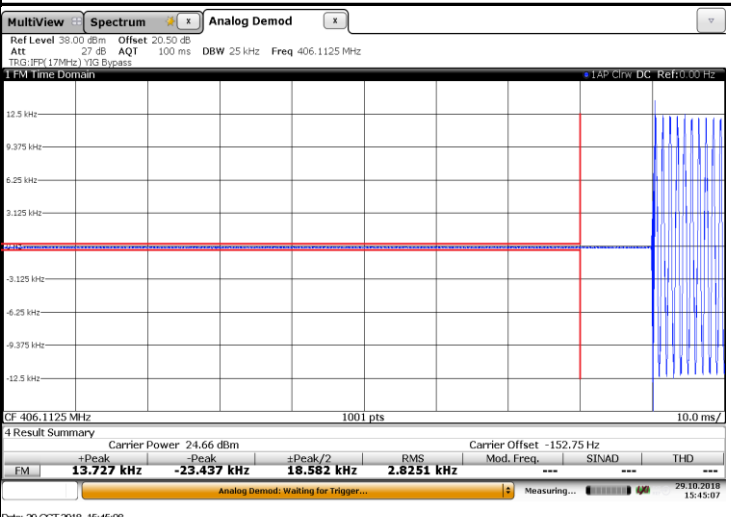
| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                  |                  |                  |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|------------------|------------------|------------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L</sub>       | CH <sub>M1</sub> | CH <sub>M2</sub> | CH <sub>M3</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | -0.191                | -0.192           | -0.163           | -0.214           | -0.226          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | -0.185                | -0.183           | -0.157           | -0.205           | -0.216          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | -0.175                | -0.181           | -0.149           | -0.200           | -0.211          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | -0.173                | -0.170           | -0.147           | -0.190           | -0.201          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | -0.166                | -0.162           | -0.141           | -0.184           | -0.191          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | -0.155                | -0.154           | <u>-0.132</u>    | -0.173           | -0.182          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | -0.169                | -0.156           | -0.138           | -0.185           | -0.198          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | -0.183                | -0.182           | -0.156           | -0.204           | -0.215          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 55          | -0.191                | -0.190           | -0.164           | -0.214           | -0.224          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | -0.196                | -0.200           | -0.200           | -0.215           | -0.235          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | -0.188                | -0.193           | -0.191           | -0.204           | -0.227          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | -0.184                | -0.187           | -0.187           | -0.200           | -0.220          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | -0.178                | -0.179           | -0.176           | -0.193           | -0.211          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | -0.170                | -0.159           | -0.168           | -0.183           | -0.186          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | -0.155                | -0.157           | -0.157           | -0.169           | -0.184          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | -0.164                | -0.157           | -0.168           | -0.175           | -0.198          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | -0.182                | -0.185           | -0.188           | -0.201           | -0.220          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 55          | -0.191                | -0.195           | -0.193           | -0.209           | -0.227          | ±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>M1</sub> | CH <sub>M2</sub>     | CH <sub>M3</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | -0.155                | -0.154           | <b><u>-0.132</u></b> | -0.173           | -0.182          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.166                | -0.165           | -0.140               | -0.187           | -0.196          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.169                | -0.163           | -0.135               | -0.179           | -0.187          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | <b><u>-0.155</u></b>  | -0.157           | -0.157               | -0.169           | -0.184          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.173                | -0.175           | -0.173               | -0.186           | -0.206          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.158                | -0.162           | -0.162               | -0.177           | -0.188          | ±5.0        | PASS   |



## Appendix H:Transmitter Frequency Behavior

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                  |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>OFF~ON</p>  |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>ON-OFF</p> |



## Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |             |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
|----------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|----------|----------------|----------------|---|----------|----------------|----------------|---|---|---|---|------------|-------------|--|--|--|---|---|---|---|------------|-------------|--|--|--|---|---|---|---|------------|-------------|--|--|--|
| TX-DNH         | 4FSK            | CH <sub>L</sub>  | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div>Mkr3 800.18 MHz<br/>-42.653 dBm</div><div>Start 30.0 MHz<br/>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 1.0000 GHz<br/>Sweep 92.73 ms (1001 pts)</div><div><table><thead><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.67 MHz</td><td>-11.745 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>450.01 MHz</td><td>-37.739 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>800.18 MHz</td><td>-42.653 dBm</td><td></td><td></td><td></td></tr></tbody></table></div></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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div> <div>30MHz~1GHz</div> | Mkr        | Mode        | Trc      | SCL            | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 399.67 MHz | -11.745 dBm |  |  |  | 2 | N | 1 | f | 450.01 MHz | -37.739 dBm |  |  |  | 3 | N | 1 | f | 800.18 MHz | -42.653 dBm |  |  |  |
| Mkr            | Mode            | Trc              | SCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | X          | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 1              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 399.67 MHz | -11.745 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 2              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 450.01 MHz | -37.739 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 3              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 800.18 MHz | -42.653 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| TX-DNH         | 4FSK            | CH <sub>L</sub>  | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div>Center Freq 2.500062500 GHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div>Mkr1 1.201 GHz<br/>-44.275 dBm</div><div>Start 1.000 GHz<br/>#Res BW 1.0 MHz</div><div>#VBW 3.0 MHz</div><div>Stop 4.000 GHz<br/>Sweep 5.067 ms (1001 pts)</div><div><table><thead><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody></tbody></table></div></div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.500062500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>4.000125000 GHz</div><div>CF Step<br/>300.012500 MHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div> <div>1GHz~10th Harmonic</div>                                                                                                                                                                                                                                                                                                                                              | Mkr        | Mode        | Trc      | SCL            | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| Mkr            | Mode            | Trc              | SCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | X          | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div>Mkr3 450.01 MHz<br/>-47.325 dBm</div><div>Start 30.0 MHz<br/>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 1.0000 GHz<br/>Sweep 92.73 ms (1001 pts)</div><div><table><thead><tr><th>Mkr</th><th>Mode</th><th>Trc</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>408.36 MHz</td><td>-19.780 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>811.62 MHz</td><td>-45.950 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>450.01 MHz</td><td>-47.325 dBm</td><td></td><td></td><td></td></tr></tbody></table></div></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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div> <div>30MHz~1GHz</div> | Mkr        | Mode        | Trc      | SCL            | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 408.36 MHz | -19.780 dBm |  |  |  | 2 | N | 1 | f | 811.62 MHz | -45.950 dBm |  |  |  | 3 | N | 1 | f | 450.01 MHz | -47.325 dBm |  |  |  |
| Mkr            | Mode            | Trc              | SCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | X          | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 1              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 408.36 MHz | -19.780 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 2              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 811.62 MHz | -45.950 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 3              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 450.01 MHz | -47.325 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |

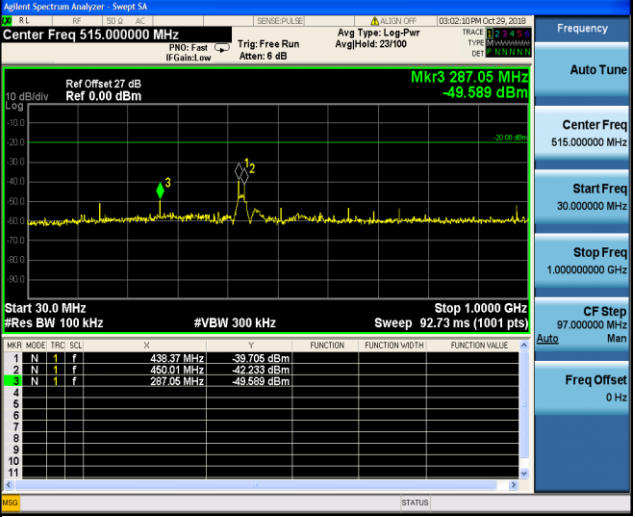
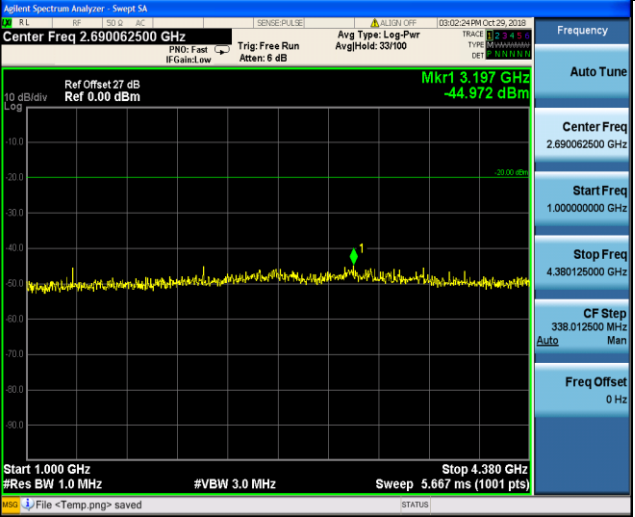


## Appendix I:Spurious Emission On Antenna Port

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 2.529937500 GHz</div><div>SENSE: PULSE</div><div>AL321 OFF</div><div>02:51:13 PM Oct 20, 2023</div></div><div><div>Ref Offset 27 dB</div><div>Ref 0.00 dBm</div></div><div><div>Mkr1 3.249 GHz</div><div>-45.130 dBm</div></div><div><div>Start 1.000 GHz</div><div>#Res BW 1.0 MHz</div><div>#VBW 3.0 MHz</div><div>Sweep 5.133 ms (1001 pts)</div></div><div><div>File &lt;Temp.png&gt; saved</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.529937500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>4.059875000 GHz</div><div>CF Step<br/>305.987500 MHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 515.000000 MHz</div><div>SENSE: PULSE</div><div>AL321 OFF</div><div>02:56:25 PM Oct 20, 2023</div></div><div><div>Ref Offset 27 dB</div><div>Ref 0.00 dBm</div></div><div><div>Mkr3 450.01 MHz</div><div>-47.456 dBm</div></div><div><div>Start 30.0 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 92.73 ms (1001 pts)</div></div><div><div>Mkr Mode</div><div>Trc</div><div>SCL</div><div>X</div><div>Y</div><div>Function</div><div>Function Width</div><div>Function Value</div></div><div><div>1</div><div>N</div><div>1</div><div>f</div><div>406.36 MHz</div><div>-19.956 dBm</div><div></div><div></div><div></div></div><div><div>2</div><div>N</div><div>1</div><div>f</div><div>811.82 MHz</div><div>-45.841 dBm</div><div></div><div></div><div></div></div><div><div>3</div><div>N</div><div>1</div><div>f</div><div>450.01 MHz</div><div>-47.456 dBm</div><div></div><div></div><div></div></div><div><div>4</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>5</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>6</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>7</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>8</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>9</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>10</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>11</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>4</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>30MHz~1GHz</div></div> |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 2.530562500 GHz</div><div>SENSE: PULSE</div><div>AL321 OFF</div><div>02:57:05 PM Oct 20, 2023</div></div><div><div>Ref Offset 27 dB</div><div>Ref 0.00 dBm</div></div><div><div>Mkr1 3.250 GHz</div><div>-44.869 dBm</div></div><div><div>Start 1.000 GHz</div><div>#Res BW 1.0 MHz</div><div>#VBW 3.0 MHz</div><div>Sweep 5.133 ms (1001 pts)</div></div><div><div>File &lt;Temp.png&gt; saved</div><div>(STATUS)</div></div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.530562500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>4.061125000 GHz</div><div>CF Step<br/>306.112500 MHz<br/>Auto Man</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-DNH         | 4FSK            | CH <sub>M3</sub> |  <p>30MHz~1GHz</p>          |
| TX-DNH         | 4FSK            | CH <sub>M3</sub> |  <p>1GHz~10th Harmonic</p> |
| TX-DNH         | 4FSK            | CH <sub>H</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>H</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.849937500 GHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div>10 dB/div<br/>Log</div><div></div><div>Start 1.000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz<br/>Sweep 6.200 ms (1001 pts)</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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div></div> |

----End of Report----