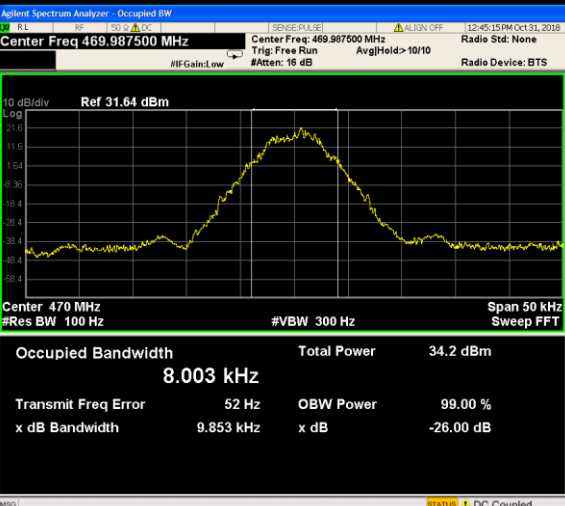




## Appendix B:Occupied Bandwidth For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <div><p>Agilent Spectrum Analyzer - Occupied BW</p><p>Center Freq 469.987500 MHz</p><p>Ref 31.64 dBm</p><p>Occupied Bandwidth 8.003 kHz</p><p>Total Power 34.2 dBm</p><p>Transmit Freq Error 52 Hz</p><p>OBW Power 99.00 %</p><p>x dB Bandwidth 9.853 kHz</p><p>x dB -26.00 dB</p></div>  <p>Frequency</p> <p>Center Freq 469.987500 MHz</p> <p>CF Step 5.000 kHz</p> <p>Freq Offset 0 Hz</p> |



## Appendix C:Emission Mask For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |           |              |                |                |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|----------|-------|---------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNH         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:18:28 AM Nov 29, 2018</div></div><div><div>Center Freq 136.012500 MHz</div><div>Center Freq: 136.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>22.0</div><div>20.0</div><div>18.0</div><div>16.0</div><div>14.0</div><div>12.0</div><div>10.0</div><div>8.0</div><div>6.0</div><div>4.0</div><div>2.0</div><div>0.0</div><div>-2.0</div><div>-4.0</div><div>-6.0</div><div>-8.0</div><div>-10.0</div><div>-12.0</div><div>-14.0</div><div>-16.0</div><div>-18.0</div><div>-20.0</div><div>-22.0</div><div>-24.0</div><div>-26.0</div><div>-28.0</div><div>-30.0</div><div>-32.0</div><div>-34.0</div><div>-36.0</div><div>-38.0</div><div>-40.0</div><div>-42.0</div><div>-44.0</div><div>-46.0</div><div>-48.0</div><div>-50.0</div></div><div><div>Mask</div><div>Reference</div><div>Signal</div><div>Spurious</div></div></div><div><div>Center 136 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>26.00 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>25.58</td><td>(-1.96)</td><td>0.0</td><td>26.06</td><td>(-1.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.42</td><td>(-4.07)</td><td>-12.15 k</td><td>-45.76</td><td>(-3.68)</td><td>12.25 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-48.36</td><td>(-28.36)</td><td>-13.90 k</td><td>-48.55</td><td>(-28.55)</td><td>13.40 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>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>136.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 25.58 | (-1.96)  | 0.0      | 26.06 | (-1.49) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -45.42 | (-4.07) | -12.15 k | -45.76 | (-3.68) | 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -48.36 | (-28.36) | -13.90 k | -48.55 | (-28.55) | 13.40 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        | 25.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-1.96)        | 0.0       | 26.06        | (-1.49)        | 50.00          |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -45.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-4.07)        | -12.15 k  | -45.76       | (-3.68)        | 12.25 k        |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -48.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-28.36)       | -13.90 k  | -48.55       | (-28.55)       | 13.40 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>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:19:04 AM Nov 29, 2018</div></div><div><div>Center Freq 136.012500 MHz</div><div>Center Freq: 136.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>22.0</div><div>20.0</div><div>18.0</div><div>16.0</div><div>14.0</div><div>12.0</div><div>10.0</div><div>8.0</div><div>6.0</div><div>4.0</div><div>2.0</div><div>0.0</div><div>-2.0</div><div>-4.0</div><div>-6.0</div><div>-8.0</div><div>-10.0</div><div>-12.0</div><div>-14.0</div><div>-16.0</div><div>-18.0</div><div>-20.0</div><div>-22.0</div><div>-24.0</div><div>-26.0</div><div>-28.0</div><div>-30.0</div><div>-32.0</div><div>-34.0</div><div>-36.0</div><div>-38.0</div><div>-40.0</div><div>-42.0</div><div>-44.0</div><div>-46.0</div><div>-48.0</div><div>-50.0</div></div><div><div>Mask</div><div>Reference</div><div>Signal</div><div>Spurious</div></div></div><div><div>Center 136 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>29.67 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>16.73</td><td>(-10.81)</td><td>-1.050 k</td><td>18.21</td><td>(9.34)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.71</td><td>(4.82)</td><td>-11.95 k</td><td>-48.77</td><td>(5.24)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.40</td><td>(-25.40)</td><td>-13.85 k</td><td>-46.42</td><td>(-26.42)</td><td>17.20 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>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>136.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 16.73 | (-10.81) | -1.050 k | 18.21 | (9.34)  | 750.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -44.71 | (4.82)  | -11.95 k | -48.77 | (5.24)  | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -45.40 | (-25.40) | -13.85 k | -46.42 | (-26.42) | 17.20 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        | 16.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-10.81)       | -1.050 k  | 18.21        | (9.34)         | 750.0          |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -44.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (4.82)         | -11.95 k  | -48.77       | (5.24)         | 12.45 k        |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -45.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-25.40)       | -13.85 k  | -46.42       | (-26.42)       | 17.20 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>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:16:05 AM Nov 29, 2018</div></div><div><div>Center Freq 155.012500 MHz</div><div>Center Freq: 155.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>22.0</div><div>20.0</div><div>18.0</div><div>16.0</div><div>14.0</div><div>12.0</div><div>10.0</div><div>8.0</div><div>6.0</div><div>4.0</div><div>2.0</div><div>0.0</div><div>-2.0</div><div>-4.0</div><div>-6.0</div><div>-8.0</div><div>-10.0</div><div>-12.0</div><div>-14.0</div><div>-16.0</div><div>-18.0</div><div>-20.0</div><div>-22.0</div><div>-24.0</div><div>-26.0</div><div>-28.0</div><div>-30.0</div><div>-32.0</div><div>-34.0</div><div>-36.0</div><div>-38.0</div><div>-40.0</div><div>-42.0</div><div>-44.0</div><div>-46.0</div><div>-48.0</div><div>-50.0</div></div><div><div>Mask</div><div>Reference</div><div>Signal</div><div>Spurious</div></div></div><div><div>Center 155 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>26.12 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>25.61</td><td>(-2.08)</td><td>0.0</td><td>26.18</td><td>(-1.51)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-49.24</td><td>(-7.67)</td><td>-12.20 k</td><td>-50.03</td><td>(-7.74)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.13</td><td>(-27.13)</td><td>-13.00 k</td><td>-47.65</td><td>(-27.65)</td><td>13.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div></div> <div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>155.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 25.61 | (-2.08)  | 0.0      | 26.18 | (-1.51) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -49.24 | (-7.67) | -12.20 k | -50.03 | (-7.74) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -47.13 | (-27.13) | -13.00 k | -47.65 | (-27.65) | 13.10 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 25.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-2.08)        | 0.0       | 26.18        | (-1.51)        | 50.00          |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -49.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-7.67)        | -12.20 k  | -50.03       | (-7.74)        | 12.30 k        |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -47.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | (-27.13)       | -13.00 k  | -47.65       | (-27.65)       | 13.10 k        |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |          |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| TX-DNH         | 4FSK            | CH <sub>M</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:16:42 AM Nov 29, 2018</div></div><div><div>Center Freq 155.012500 MHz</div><div>Center Freq: 155.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 155 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 30.00 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</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>17.06</td><td>(-10.63)</td><td>0.0</td><td>19.99</td><td>(-7.70)</td><td>750.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.71</td><td>(-1.97)</td><td>-12.50 k</td><td>-46.88</td><td>(-6.04)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-26.56)</td><td>-12.75 k</td><td>-46.50</td><td>(-26.50)</td><td>15.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 155.012500 MHz</div><div>CF Step 12.000 kHz</div><div>AutoMan</div><div>Freq Offset 0 Hz</div></div></div></div> <tr><td>TX-DNH</td><td>4FSK</td><td>CH<sub>H</sub></td><td><div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:12:53 AM Nov 29, 2018</div></div><div><div>Center Freq 173.987500 MHz</div><div>Center Freq: 173.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 174 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 26.16 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</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>23.87</td><td>(-3.77)</td><td>0.0</td><td>26.15</td><td>(-1.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-51.17</td><td>(-8.83)</td><td>-12.30 k</td><td>-51.39</td><td>(-8.32)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.91</td><td>(-25.91)</td><td>-12.85 k</td><td>-45.56</td><td>(-25.56)</td><td>12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;MASK D.state&gt; 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| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lower ΔLim(dB) | Freq (Hz) | Peak     | Upper ΔLim(dB) | Freq (Hz)      |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 17.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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|        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -45.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-1.97)        | -12.50 k  | -46.88   | (-6.04)        | 12.10 k        |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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|        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -46.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-26.56)       | -12.75 k  | -46.50   | (-26.50)       | 15.70 k        |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:12:53 AM Nov 29, 2018</div></div><div><div>Center Freq 173.987500 MHz</div><div>Center Freq: 173.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 174 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 26.16 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</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>23.87</td><td>(-3.77)</td><td>0.0</td><td>26.15</td><td>(-1.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-51.17</td><td>(-8.83)</td><td>-12.30 k</td><td>-51.39</td><td>(-8.32)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.91</td><td>(-25.91)</td><td>-12.85 k</td><td>-45.56</td><td>(-25.56)</td><td>12.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>AutoMan</div><div>Freq Offset 0 Hz</div></div></div></div> <tr><td>TX-DNH</td><td>4FSK</td><td>CH<sub>H</sub></td><td><div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:14:13 AM Nov 29, 2018</div></div><div><div>Center Freq 173.987500 MHz</div><div>Center Freq: 173.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 174 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 29.77 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>16.10</td><td>(-11.55)</td><td>-500.0</td><td>17.55</td><td>(-10.09)</td><td>1.100 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-3.86)</td><td>-12.35 k</td><td>-45.52</td><td>(-2.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.01</td><td>(-27.01)</td><td>-12.60 k</td><td>-45.70</td><td>(-25.70)</td><td>14.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>AutoMan</div><div>Freq Offset 0 Hz</div></div></div></div></td></tr>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 23.87 | (-3.77)  | 0.0    | 26.15 | (-1.49)  | 50.00   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -51.17 | (-8.83) | -12.30 k | -51.39 | (-8.32) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -45.91 | (-25.91) | -12.85 k | -45.56 | (-25.56) | 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-DNH | 4FSK | CH <sub>H</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:14:13 AM Nov 29, 2018</div></div><div><div>Center Freq 173.987500 MHz</div><div>Center Freq: 173.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 174 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 29.77 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>16.10</td><td>(-11.55)</td><td>-500.0</td><td>17.55</td><td>(-10.09)</td><td>1.100 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-3.86)</td><td>-12.35 k</td><td>-45.52</td><td>(-2.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.01</td><td>(-27.01)</td><td>-12.60 k</td><td>-45.70</td><td>(-25.70)</td><td>14.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>AutoMan</div><div>Freq Offset 0 Hz</div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | Peak | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 16.10 | (-11.55) | -500.0 | 17.55 | (-10.09) | 1.100 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -46.56 | (-3.86) | -12.35 k | -45.52 | (-2.46) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -47.01 | (-27.01) | -12.60 k | -45.70 | (-25.70) | 14.10 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |        |      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lower ΔLim(dB) | Freq (Hz) | Peak     | Upper ΔLim(dB) | Freq (Hz)      |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 23.87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (-3.77)        | 0.0       | 26.15    | (-1.49)        | 50.00          |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -51.17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-8.83)        | -12.30 k  | -51.39   | (-8.32)        | 12.40 k        |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -45.91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-25.91)       | -12.85 k  | -45.56   | (-25.56)       | 12.95 k        |           |      |                |           |        |           |          |       |          |        |       |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                 |                                                                                                                                                                                                                                                                                                                                           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| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RLSENSE PULSERALIGN OFF11:14:13 AM Nov 29, 2018</div></div><div><div>Center Freq 173.987500 MHz</div><div>Center Freq: 173.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 19 dB</div><div>Ref 32.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>2.00</div><div>18.00</div><div>36.00</div><div>54.00</div></div><div><div>Center 174 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 29.77 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>16.10</td><td>(-11.55)</td><td>-500.0</td><td>17.55</td><td>(-10.09)</td><td>1.100 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.56</td><td>(-3.86)</td><td>-12.35 k</td><td>-45.52</td><td>(-2.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-47.01</td><td>(-27.01)</td><td>-12.60 k</td><td>-45.70</td><td>(-25.70)</td><td>14.10 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>AutoMan</div><div>Freq Offset 0 Hz</div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 16.10 | (-11.55) | -500.0 | 17.55 | (-10.09) | 1.100 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -46.56 | (-3.86) | -12.35 k | -45.52 | (-2.46) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -47.01 | (-27.01) | -12.60 k | -45.70 | (-25.70) | 14.10 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |        |      |                 |                                                                                                                                                                                                                                                                         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| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 16.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -46.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -47.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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## Appendix C:Emission Mask For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
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| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:19:37 AM Nov 29, 2018</div></div><div><div>Center Freq 136.012500 MHz</div><div>Center Freq: 136.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 20.0 dBm</div><div>10 dB/div</div><div>Log</div><div>0.00</div><div>10.00</div><div>20.00</div><div>30.00</div><div>40.00</div><div>50.00</div><div>60.00</div><div>70.00</div></div><div><div>Center 136 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>13.92 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>13.53</td><td>(-2.07)</td><td>0.0</td><td>13.98</td><td>(-1.62)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-55.85</td><td>(-8.37)</td><td>-11.35 k</td><td>-62.19</td><td>(-6.35)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-60.16</td><td>(-40.16)</td><td>-13.90 k</td><td>-60.12</td><td>(-40.12)</td><td>14.00 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div></div> <div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>136.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 13.53 | (-2.07)  | 0.0    | 13.98 | (-1.62) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -55.85 | (-8.37) | -11.35 k | -62.19 | (-6.35) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -60.16 | (-40.16) | -13.90 k | -60.12 | (-40.12) | 14.00 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 13.53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-2.07)        | 0.0       | 13.98        | (-1.62)        | 50.00          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -55.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-8.37)        | -11.35 k  | -62.19       | (-6.35)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -60.16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-40.16)       | -13.90 k  | -60.12       | (-40.12)       | 14.00 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>L</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:20:15 AM Nov 29, 2018</div></div><div><div>Center Freq 136.012500 MHz</div><div>Center Freq: 136.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 20.0 dBm</div><div>10 dB/div</div><div>Log</div><div>0.00</div><div>10.00</div><div>20.00</div><div>30.00</div><div>40.00</div><div>50.00</div><div>60.00</div><div>70.00</div></div><div><div>Center 136 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>16.90 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>2.866</td><td>(-12.73)</td><td>-50.00</td><td>5.778</td><td>(-9.62)</td><td>150.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-58.70</td><td>(-3.23)</td><td>-12.45 k</td><td>-59.02</td><td>(-3.18)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-59.10</td><td>(-39.10)</td><td>-13.05 k</td><td>-57.44</td><td>(-37.44)</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><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>136.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 2.866 | (-12.73) | -50.00 | 5.778 | (-9.62) | 150.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -58.70 | (-3.23) | -12.45 k | -59.02 | (-3.18) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -59.10 | (-39.10) | -13.05 k | -57.44 | (-37.44) | 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        | 2.866                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-12.73)       | -50.00    | 5.778        | (-9.62)        | 150.0          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -58.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-3.23)        | -12.45 k  | -59.02       | (-3.18)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -59.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-39.10)       | -13.05 k  | -57.44       | (-37.44)       | 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>11:17:18 AM Nov 29, 2018</div></div><div><div>Center Freq 155.012500 MHz</div><div>Center Freq: 155.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 19 dB</div><div>Ref 19.0 dBm</div><div>10 dB/div</div><div>Log</div><div>0.00</div><div>10.00</div><div>20.00</div><div>30.00</div><div>40.00</div><div>50.00</div><div>60.00</div><div>70.00</div></div><div><div>Center 155 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>13.52 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>13.04</td><td>(-2.21)</td><td>0.0</td><td>13.58</td><td>(-1.67)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-64.58</td><td>(-8.39)</td><td>-12.50 k</td><td>-62.48</td><td>(-6.29)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.51</td><td>(-33.51)</td><td>-30.30 k</td><td>-52.09</td><td>(-32.09)</td><td>30.40 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>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq<br/>155.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 13.04 | (-2.21)  | 0.0    | 13.58 | (-1.67) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -64.58 | (-8.39) | -12.50 k | -62.48 | (-6.29) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -53.51 | (-33.51) | -30.30 k | -52.09 | (-32.09) | 30.40 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        | 13.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-2.21)        | 0.0       | 13.58        | (-1.67)        | 50.00          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -64.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-8.39)        | -12.50 k  | -62.48       | (-6.29)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -53.51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (-33.51)       | -30.30 k  | -52.09       | (-32.09)       | 30.40 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
|----------------|-----------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|----------------|----------------|-----------|--------------|----------------|-----------|--------|-----------|----------|-------|----------|--------|-------|---------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|
| TX-DNL         | 4FSK            | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RL SP 50.0 AC SENSE PULSE ALIGN OFF 11:17:55 AM Nov 29, 2018</div><div>Center Freq 155.012500 MHz Center Freq: 155.012500 MHz Radio Std: None</div><div>PASS Trig: Free Run Avg: 100.00% of 10</div><div>If Gain: Low #Atten: 40 dB Radio Device: BTS</div><div><div>Ref Offset 19 dB</div><div>Ref 19.0 dBm</div><div></div><div>Center 155 MHz Span 120 kHz</div><div>Total Power Ref 16.50 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>3.054</td><td>(-12.19)</td><td>-600.0</td><td>7.423</td><td>(-7.83)</td><td>700.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.58</td><td>(-4.12)</td><td>-12.40 k</td><td>-59.86</td><td>(-4.04)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-58.73</td><td>(-38.73)</td><td>-16.70 k</td><td>-57.17</td><td>(-37.17)</td><td>14.30 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 155.012500 MHz</div><div>CF Step 12.000 kHz</div><div>Freq Offset 0 Hz</div></div></div></div></div>    | Start Freq     | Stop Freq | Integ BW     | dBm            | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 3.054 | (-12.19) | -600.0 | 7.423 | (-7.83) | 700.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -59.58 | (-4.12) | -12.40 k | -59.86 | (-4.04) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -58.73 | (-38.73) | -16.70 k | -57.17 | (-37.17) | 14.30 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW        | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz        | 3.054                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-12.19)       | -600.0    | 7.423        | (-7.83)        | 700.0          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -59.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-4.12)        | -12.40 k  | -59.86       | (-4.04)        | 12.45 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -58.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-38.73)       | -16.70 k  | -57.17       | (-37.17)       | 14.30 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div>RL SP 50.0 AC SENSE PULSE ALIGN OFF 11:14:48 AM Nov 29, 2018</div><div>Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None</div><div>PASS Trig: Free Run Avg: 100.00% of 10</div><div>If Gain: Low #Atten: 40 dB Radio Device: BTS</div><div><div>Ref Offset 19 dB</div><div>Ref 19.0 dBm</div><div></div><div>Center 174 MHz Span 120 kHz</div><div>Total Power Ref 13.84 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>11.71</td><td>(-3.74)</td><td>0.0</td><td>13.84</td><td>(-1.61)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.50</td><td>(-9.70)</td><td>-11.65 k</td><td>-60.16</td><td>(-9.27)</td><td>11.80 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-59.57</td><td>(-39.57)</td><td>-13.50 k</td><td>-57.85</td><td>(-37.85)</td><td>30.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div>File &lt;MASK.D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Freq Offset 0 Hz</div></div></div></div></div> | Start Freq     | Stop Freq | Integ BW     | dBm            | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 11.71 | (-3.74)  | 0.0    | 13.84 | (-1.61) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -59.50 | (-9.70) | -11.65 k | -60.16 | (-9.27) | 11.80 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -59.57 | (-39.57) | -13.50 k | -57.85 | (-37.85) | 30.35 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        | 11.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-3.74)        | 0.0       | 13.84        | (-1.61)        | 50.00          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -59.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-9.70)        | -11.65 k  | -60.16       | (-9.27)        | 11.80 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -59.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-39.57)       | -13.50 k  | -57.85       | (-37.85)       | 30.35 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>RL SP 50.0 AC SENSE PULSE ALIGN OFF 11:15:27 AM Nov 29, 2018</div><div>Center Freq 173.987500 MHz Center Freq: 173.987500 MHz Radio Std: None</div><div>PASS Trig: Free Run Avg: 100.00% of 10</div><div>If Gain: Low #Atten: 40 dB Radio Device: BTS</div><div><div>Ref Offset 19 dB</div><div>Ref 19.0 dBm</div><div></div><div>Center 174 MHz Span 120 kHz</div><div>Total Power Ref 17.43 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>4.377</td><td>(-11.08)</td><td>-450.0</td><td>5.682</td><td>(-9.77)</td><td>400.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-56.62</td><td>(-4.64)</td><td>-11.95 k</td><td>-60.47</td><td>(-4.48)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-59.09</td><td>(-39.09)</td><td>-13.60 k</td><td>-58.33</td><td>(-38.33)</td><td>15.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 173.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Freq Offset 0 Hz</div></div></div></div></div>    | Start Freq     | Stop Freq | Integ BW     | dBm            | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 4.377 | (-11.08) | -450.0 | 5.682 | (-9.77) | 400.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -56.62 | (-4.64) | -11.95 k | -60.47 | (-4.48) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -59.09 | (-39.09) | -13.60 k | -58.33 | (-38.33) | 15.45 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        | 4.377                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (-11.08)       | -450.0    | 5.682        | (-9.77)        | 400.0          |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz        | -56.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-4.64)        | -11.95 k  | -60.47       | (-4.48)        | 12.50 k        |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz        | -59.09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (-39.09)       | -13.60 k  | -58.33       | (-38.33)       | 15.45 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       | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |

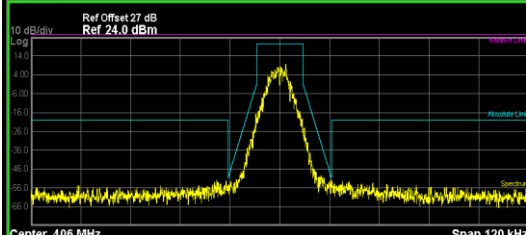
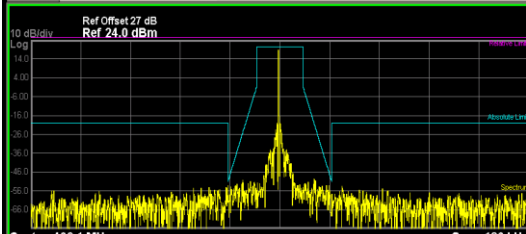
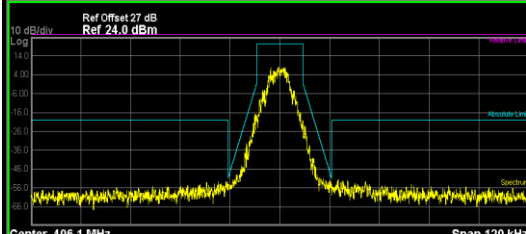


## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
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| TX-DNH         | 4FSK            | CH <sub>L1</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 37 dB</div><div>Ref 37.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>27.0</div><div>17.0</div><div>7.0</div><div>3.0</div><div>13.0</div><div>43.0</div><div>53.0</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>31.37 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>Peak &gt;</th><th>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>31.19</td><td>(-1.62)</td><td>0.0</td><td>31.19</td><td>(-1.62)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.65</td><td>(-3.47)</td><td>-12.30 k</td><td>-42.37</td><td>(-4.83)</td><td>12.35 k</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.13</td><td>(-23.13)</td><td>-15.95 k</td><td>-42.16</td><td>(-22.16)</td><td>19.10 k</td><td>19.10 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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div> <tr><td>TX-DNH</td><td>4FSK</td><td>CH<sub>L1</sub></td><td><div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 37 dB</div><div>Ref 37.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>27.0</div><div>17.0</div><div>7.0</div><div>3.0</div><div>13.0</div><div>43.0</div><div>53.0</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>34.33 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>Peak &gt;</th><th>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>24.22</td><td>(-8.59)</td><td>-200.0</td><td>23.03</td><td>(-9.77)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.43</td><td>(-2.62)</td><td>-12.25 k</td><td>-39.52</td><td>(-3.08)</td><td>12.20 k</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.47</td><td>(-20.47)</td><td>-14.85 k</td><td>-39.44</td><td>(-19.44)</td><td>13.85 k</td><td>13.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><div><div>File &lt;Temp.png&gt; 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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 31.19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-1.62)        | 0.0       | 31.19    | (-1.62)  | 0.0            | 0.0       |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -40.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-3.47)        | -12.30 k  | -42.37   | (-4.83)  | 12.35 k        | 12.35 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -43.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-23.13)       | -15.95 k  | -42.16   | (-22.16) | 19.10 k        | 19.10 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>IF Gain: Low</div><div>Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>Ref Offset 37 dB</div><div>Ref 37.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>27.0</div><div>17.0</div><div>7.0</div><div>3.0</div><div>13.0</div><div>43.0</div><div>53.0</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>34.33 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>Peak &gt;</th><th>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>24.22</td><td>(-8.59)</td><td>-200.0</td><td>23.03</td><td>(-9.77)</td><td>0.0</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.43</td><td>(-2.62)</td><td>-12.25 k</td><td>-39.52</td><td>(-3.08)</td><td>12.20 k</td><td>12.20 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.47</td><td>(-20.47)</td><td>-14.85 k</td><td>-39.44</td><td>(-19.44)</td><td>13.85 k</td><td>13.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div> <tr><td>TX-DNH</td><td>4FSK</td><td>CH<sub>M1</sub></td><td><div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</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>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>14.0</div><div>4.0</div><div>16.0</div><div>36.0</div><div>46.0</div><div>56.0</div><div>66.0</div></div><div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>18.66 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>Peak &gt;</th><th>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>18.61</td><td>(-1.84)</td><td>-250.0</td><td>-24.57</td><td>(-45.02)</td><td>100.0</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.83</td><td>(-5.75)</td><td>-12.10 k</td><td>-57.31</td><td>(-7.77)</td><td>12.30 k</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-52.62</td><td>(-32.62)</td><td>-12.80 k</td><td>-54.16</td><td>(-34.16)</td><td>21.80 k</td><td>21.80 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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div></td></tr>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Start Freq     | Stop Freq | Integ BW | dBm      | Lower ΔLim(dB) | Freq (Hz) | Peak > | dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 24.22 | (-8.59) | -200.0 | 23.03  | (-9.77)  | 0.0   | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -39.43 | (-2.62) | -12.25 k | -39.52 | (-3.08) | 12.20 k | 12.20 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -40.47 | (-20.47) | -14.85 k | -39.44 | (-19.44) | 13.85 k | 13.85 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | — | TX-DNH | 4FSK | CH <sub>M1</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</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>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>14.0</div><div>4.0</div><div>16.0</div><div>36.0</div><div>46.0</div><div>56.0</div><div>66.0</div></div><div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>18.66 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>Peak &gt;</th><th>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>18.61</td><td>(-1.84)</td><td>-250.0</td><td>-24.57</td><td>(-45.02)</td><td>100.0</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.83</td><td>(-5.75)</td><td>-12.10 k</td><td>-57.31</td><td>(-7.77)</td><td>12.30 k</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-52.62</td><td>(-32.62)</td><td>-12.80 k</td><td>-54.16</td><td>(-34.16)</td><td>21.80 k</td><td>21.80 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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Freq (Hz) | Peak > | dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 18.61 | (-1.84) | -250.0 | -24.57 | (-45.02) | 100.0 | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -53.83 | (-5.75) | -12.10 k | -57.31 | (-7.77) | 12.30 k | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -52.62 | (-32.62) | -12.80 k | -54.16 | (-34.16) | 21.80 k | 21.80 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 | — | (—) | — | — | (—) | — | — |        |      |                  |                                                                                                                                                                                                                                                                                                                        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| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lower ΔLim(dB) | Freq (Hz) | Peak >   | dBm      | Upper ΔLim(dB) | Freq (Hz) |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 24.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-8.59)        | -200.0    | 23.03    | (-9.77)  | 0.0            | 0.0       |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -39.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-2.62)        | -12.25 k  | -39.52   | (-3.08)  | 12.20 k        | 12.20 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -40.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-20.47)       | -14.85 k  | -39.44   | (-19.44) | 13.85 k        | 13.85 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</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>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div></div><div><div>10 dB/div</div><div>Log</div><div>14.0</div><div>4.0</div><div>16.0</div><div>36.0</div><div>46.0</div><div>56.0</div><div>66.0</div></div><div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>18.66 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>Peak &gt;</th><th>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>18.61</td><td>(-1.84)</td><td>-250.0</td><td>-24.57</td><td>(-45.02)</td><td>100.0</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.83</td><td>(-5.75)</td><td>-12.10 k</td><td>-57.31</td><td>(-7.77)</td><td>12.30 k</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-52.62</td><td>(-32.62)</td><td>-12.80 k</td><td>-54.16</td><td>(-34.16)</td><td>21.80 k</td><td>21.80 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><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td><td>—</td></tr></table></div><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 Man</div><div>Freq Offset<br/>0 Hz</div></div></div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Start Freq     | Stop Freq | Integ BW | dBm      | Lower ΔLim(dB) | Freq (Hz) | Peak > | dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 18.61 | (-1.84) | -250.0 | -24.57 | (-45.02) | 100.0 | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -53.83 | (-5.75) | -12.10 k | -57.31 | (-7.77) | 12.30 k | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -52.62 | (-32.62) | -12.80 k | -54.16 | (-34.16) | 21.80 k | 21.80 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 | — | (—) | — | — | (—) | — | — |        |      |                  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| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 18.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-1.84)        | -250.0    | -24.57   | (-45.02) | 100.0          | 100.0     |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -53.83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-5.75)        | -12.10 k  | -57.31   | (-7.77)  | 12.30 k        | 12.30 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -52.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (-32.62)       | -12.80 k  | -54.16   | (-34.16) | 21.80 k        | 21.80 k   |        |     |                |           |        |           |          |       |         |        |        |          |       |       |           |           |          |        |         |          |        |         |         |         |           |           |          |        |          |          |        |          |         |         |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |        |      |                  |                                                                                                                                                           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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |           |           |           |   |     |   |   |     |   |   |



## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |           |            |                |                |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
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| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:04:19 PM Nov 26, 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>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div><div></div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 21.42 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>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>8.226</td><td>(-12.22)</td><td>-600.0</td><td>9.550</td><td>(-10.89)</td><td>1.500 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-54.40</td><td>(-5.59)</td><td>-12.20 k</td><td>-51.99</td><td>(-0.99)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-51.70</td><td>(-31.70)</td><td>-15.15 k</td><td>-52.42</td><td>(-32.42)</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></table><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq 405.987500 MHz</div><div>CF Step 12.000 kHz Man</div><div>Freq Offset 0 Hz</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 | 8.226 | (-12.22) | -600.0 | 9.550  | (-10.89) | 1.500 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -54.40 | (-5.59) | -12.20 k | -51.99 | (-0.99) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -51.70 | (-31.70) | -15.15 k | -52.42 | (-32.42) | 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         | 8.226                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-12.22)       | -600.0    | 9.550      | (-10.89)       | 1.500 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -54.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-5.59)        | -12.20 k  | -51.99     | (-0.99)        | 12.50 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -51.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-31.70)       | -15.15 k  | -52.42     | (-32.42)       | 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        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —          | (—)            | —              |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:06:51 PM Nov 26, 2018</div></div></div><div><div>Center Freq 406.112500 MHz</div><div>Center Freq: 406.112500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div><div></div><div>Center 406.1 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 19.17 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>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>18.63</td><td>(-1.87)</td><td>-250.0</td><td>-20.06</td><td>(-40.55)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.07</td><td>(2.14)</td><td>-12.50 k</td><td>-53.44</td><td>(6.50)</td><td>11.95 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-54.28</td><td>(-34.28)</td><td>-16.95 k</td><td>-53.38</td><td>(-33.38)</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>File &lt;MASK.D.state&gt; recalled</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq 406.112500 MHz</div><div>CF Step 12.000 kHz Man</div><div>Freq Offset 0 Hz</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 | 18.63 | (-1.87)  | -250.0 | -20.06 | (-40.55) | 100.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -53.07 | (2.14)  | -12.50 k | -53.44 | (6.50)  | 11.95 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -54.28 | (-34.28) | -16.95 k | -53.38 | (-33.38) | 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         | 18.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-1.87)        | -250.0    | -20.06     | (-40.55)       | 100.0          |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -53.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (2.14)         | -12.50 k  | -53.44     | (6.50)         | 11.95 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -54.28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-34.28)       | -16.95 k  | -53.38     | (-33.38)       | 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-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:07:33 PM Nov 26, 2018</div></div></div><div><div>Center Freq 406.112500 MHz</div><div>Center Freq: 406.112500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 24.0 dBm</div><div></div><div>Center 406.1 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 21.45 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>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>8.093</td><td>(-12.40)</td><td>-200.0</td><td>7.958</td><td>(-12.54)</td><td>1.000 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-54.26</td><td>(-4.42)</td><td>-12.35 k</td><td>-52.04</td><td>(-2.19)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-52.63</td><td>(-32.63)</td><td>-12.90 k</td><td>-51.56</td><td>(-31.56)</td><td>14.05 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table><div>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 Man</div><div>Freq Offset 0 Hz</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 | 8.093 | (-12.40) | -200.0 | 7.958  | (-12.54) | 1.000 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -54.26 | (-4.42) | -12.35 k | -52.04 | (-2.19) | 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -52.63 | (-32.63) | -12.90 k | -51.56 | (-31.56) | 14.05 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| 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         | 8.093                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-12.40)       | -200.0    | 7.958      | (-12.54)       | 1.000 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -54.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-4.42)        | -12.35 k  | -52.04     | (-2.19)        | 12.35 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -52.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-32.63)       | -12.90 k  | -51.56     | (-31.56)       | 14.05 k        |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —          | (—)            | —              |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —          | (—)            | —              |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —          | (—)            | —              |           |            |                |           |        |           |          |       |          |        |        |          |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For UHF Band

| 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><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:10:18 PM Nov 29, 2018</div></div><div><div>Center Freq 438.012500 MHz</div><div>Center Freq: 438.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 38 dB</div><div>Ref 34.0 dBm</div><div>10 dB/div</div><div>Log</div><div>24.0</div><div>14.0</div><div>4.00</div><div>0.00</div><div>16.0</div><div>26.0</div><div>36.0</div><div>46.0</div><div>56.0</div></div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>29.27 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>28.71</td><td>(-1.10)</td><td>0.0</td><td>28.80</td><td>(-1.01)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-45.26</td><td>(-5.45)</td><td>-12.25 k</td><td>-47.96</td><td>(-7.79)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.96</td><td>(-22.96)</td><td>-14.45 k</td><td>-42.56</td><td>(-22.56)</td><td>14.45 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><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq<br/>438.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 28.71 | (-1.10) | 0.0    | 28.80  | (-1.01)  | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -45.26 | (-5.45) | -12.25 k | -47.96 | (-7.79) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.96 | (-22.96) | -14.45 k | -42.56 | (-22.56) | 14.45 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-1.10)        | 0.0       | 28.80        | (-1.01)        | 50.00          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -45.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-5.45)        | -12.25 k  | -47.96       | (-7.79)        | 12.30 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.96                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-22.96)       | -14.45 k  | -42.56       | (-22.56)       | 14.45 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNH         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:10:54 PM Nov 29, 2018</div></div><div><div>Center Freq 438.012500 MHz</div><div>Center Freq: 438.012500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 38 dB</div><div>Ref 34.0 dBm</div><div>10 dB/div</div><div>Log</div><div>24.0</div><div>14.0</div><div>4.00</div><div>0.00</div><div>16.0</div><div>26.0</div><div>36.0</div><div>46.0</div><div>56.0</div></div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>31.69 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>21.61</td><td>(-8.20)</td><td>-50.00</td><td>22.32</td><td>(-7.49)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.88</td><td>(-3.96)</td><td>-12.10 k</td><td>-44.80</td><td>(-3.17)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-43.12</td><td>(-23.12)</td><td>-14.20 k</td><td>-42.08</td><td>(-22.08)</td><td>13.90 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq<br/>438.012500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 21.61 | (-8.20) | -50.00 | 22.32  | (-7.49)  | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.88 | (-3.96) | -12.10 k | -44.80 | (-3.17) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -43.12 | (-23.12) | -14.20 k | -42.08 | (-22.08) | 13.90 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| 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         | 21.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-8.20)        | -50.00    | 22.32        | (-7.49)        | 50.00          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-3.96)        | -12.10 k  | -44.80       | (-3.17)        | 12.50 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -43.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-23.12)       | -14.20 k  | -42.08       | (-22.08)       | 13.90 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNH         | 4FSK            | CH <sub>H1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:00:40 PM Nov 29, 2018</div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 25.0 dBm</div><div>10 dB/div</div><div>Log</div><div>15.0</div><div>5.00</div><div>0.00</div><div>16.0</div><div>26.0</div><div>36.0</div><div>46.0</div><div>56.0</div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>19.21 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>19.21</td><td>(-2.06)</td><td>-250.0</td><td>-24.06</td><td>(-45.32)</td><td>200.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-54.56</td><td>(-5.11)</td><td>-12.40 k</td><td>-54.28</td><td>(-4.11)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-53.65</td><td>(-33.65)</td><td>-18.60 k</td><td>-55.00</td><td>(-35.00)</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></table></div><div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div></div> <div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</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 | 19.21 | (-2.06) | -250.0 | -24.06 | (-45.32) | 200.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -54.56 | (-5.11) | -12.40 k | -54.28 | (-4.11) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -53.65 | (-33.65) | -18.60 k | -55.00 | (-35.00) | 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         | 19.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (-2.06)        | -250.0    | -24.06       | (-45.32)       | 200.0          |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -54.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-5.11)        | -12.40 k  | -54.28       | (-4.11)        | 12.50 k        |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -53.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (-33.65)       | -18.60 k  | -55.00       | (-35.00)       | 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        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |           |              |                |                |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
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| TX-DNH         | 4FSK            | CH <sub>H1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:01:20 PM Nov 26, 2018</div></div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</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 25.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>20.0</div><div>15.0</div><div>10.0</div><div>5.00</div><div>0.00</div><div>-5.00</div><div>-10.00</div><div>-15.00</div><div>-20.00</div><div>-25.00</div><div>-30.00</div><div>-35.00</div><div>-40.00</div><div>-45.00</div><div>-50.00</div></div><div><div>100.00 kHz</div><div>200.00 kHz</div><div>300.00 kHz</div><div>400.00 kHz</div><div>500.00 kHz</div><div>600.00 kHz</div><div>700.00 kHz</div><div>800.00 kHz</div><div>900.00 kHz</div><div>1.00 MHz</div><div>1.10 MHz</div><div>1.20 MHz</div><div>1.30 MHz</div><div>1.40 MHz</div><div>1.50 MHz</div><div>1.60 MHz</div><div>1.70 MHz</div><div>1.80 MHz</div><div>1.90 MHz</div><div>2.00 MHz</div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div></div><div><div>Total Power Ref 23.40 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>9.287</td><td>(-11.98)</td><td>-300.0</td><td>11.45</td><td>(-9.81)</td><td>1.050 k</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-50.98</td><td>(-2.26)</td><td>-12.30 k</td><td>-49.91</td><td>(-0.46)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-50.06</td><td>(-30.06)</td><td>-20.35 k</td><td>-50.15</td><td>(-30.15)</td><td>14.30 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 469.987500 MHz</div><div>CF Step 12.000 kHz 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 | 9.287 | (-11.98) | -300.0 | 11.45 | (-9.81) | 1.050 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -50.98 | (-2.26) | -12.30 k | -49.91 | (-0.46) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -50.06 | (-30.06) | -20.35 k | -50.15 | (-30.15) | 14.30 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 9.287                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-11.98)       | -300.0    | 11.45        | (-9.81)        | 1.050 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -50.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-2.26)        | -12.30 k  | -49.91       | (-0.46)        | 12.40 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -50.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-30.06)       | -20.35 k  | -50.15       | (-30.15)       | 14.30 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>L1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:16:32 PM Nov 26, 2018</div></div></div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>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 37 dB</div><div>Ref 36.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>20.0</div><div>16.0</div><div>12.0</div><div>8.00</div><div>4.00</div><div>0.00</div><div>-4.00</div><div>-8.00</div><div>-12.00</div><div>-16.00</div><div>-20.00</div><div>-24.00</div><div>-28.00</div><div>-32.00</div><div>-36.00</div><div>-40.00</div></div><div><div>100.00 kHz</div><div>200.00 kHz</div><div>300.00 kHz</div><div>400.00 kHz</div><div>500.00 kHz</div><div>600.00 kHz</div><div>700.00 kHz</div><div>800.00 kHz</div><div>900.00 kHz</div><div>1.00 MHz</div><div>1.10 MHz</div><div>1.20 MHz</div><div>1.30 MHz</div><div>1.40 MHz</div><div>1.50 MHz</div><div>1.60 MHz</div><div>1.70 MHz</div><div>1.80 MHz</div><div>1.90 MHz</div><div>2.00 MHz</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div></div><div><div>Total Power Ref 30.10 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>29.84</td><td>(-1.81)</td><td>0.0</td><td>30.04</td><td>(-1.61)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.56</td><td>(7.41)</td><td>-12.00 k</td><td>-42.51</td><td>(7.81)</td><td>11.80 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-41.88</td><td>(-21.88)</td><td>-14.15 k</td><td>-41.57</td><td>(-21.57)</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></tbody></table><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 400.012500 MHz</div><div>CF Step 12.000 kHz 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 | 29.84 | (-1.81)  | 0.0    | 30.04 | (-1.61) | 50.00   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -43.56 | (7.41)  | -12.00 k | -42.51 | (7.81)  | 11.80 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -41.88 | (-21.88) | -14.15 k | -41.57 | (-21.57) | 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         | 29.84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-1.81)        | 0.0       | 30.04        | (-1.61)        | 50.00          |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -43.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (7.41)         | -12.00 k  | -42.51       | (7.81)         | 11.80 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -41.88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-21.88)       | -14.15 k  | -41.57       | (-21.57)       | 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>L1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>50.0</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:17:06 PM Nov 26, 2018</div></div></div><div><div>Center Freq 400.012500 MHz</div><div>Center Freq: 400.012500 MHz</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>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 37 dB</div><div>Ref 36.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div>20.0</div><div>16.0</div><div>12.0</div><div>8.00</div><div>4.00</div><div>0.00</div><div>-4.00</div><div>-8.00</div><div>-12.00</div><div>-16.00</div><div>-20.00</div><div>-24.00</div><div>-28.00</div><div>-32.00</div><div>-36.00</div><div>-40.00</div></div><div><div>100.00 kHz</div><div>200.00 kHz</div><div>300.00 kHz</div><div>400.00 kHz</div><div>500.00 kHz</div><div>600.00 kHz</div><div>700.00 kHz</div><div>800.00 kHz</div><div>900.00 kHz</div><div>1.00 MHz</div><div>1.10 MHz</div><div>1.20 MHz</div><div>1.30 MHz</div><div>1.40 MHz</div><div>1.50 MHz</div><div>1.60 MHz</div><div>1.70 MHz</div><div>1.80 MHz</div><div>1.90 MHz</div><div>2.00 MHz</div></div><div><div>Center 400 MHz</div><div>Span 120 kHz</div></div></div><div><div>Total Power Ref 33.18 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>19.66</td><td>(-11.99)</td><td>-150.0</td><td>23.87</td><td>(-7.78)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.04</td><td>(-3.70)</td><td>-12.30 k</td><td>-41.49</td><td>(-2.43)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.51</td><td>(-22.51)</td><td>-15.20 k</td><td>-41.95</td><td>(-21.95)</td><td>13.65 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq 400.012500 MHz</div><div>CF Step 12.000 kHz 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 | 19.66 | (-11.99) | -150.0 | 23.87 | (-7.78) | 450.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.04 | (-3.70) | -12.30 k | -41.49 | (-2.43) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.51 | (-22.51) | -15.20 k | -41.95 | (-21.95) | 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         | 19.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (-11.99)       | -150.0    | 23.87        | (-7.78)        | 450.0          |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-3.70)        | -12.30 k  | -41.49       | (-2.43)        | 12.40 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-22.51)       | -15.20 k  | -41.95       | (-21.95)       | 13.65 k        |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |        |       |         |         |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For UHF Band

| 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><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:14:13 PM Nov 29, 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>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 37 dB</div><div>Ref 35.0 dBm</div><div></div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 29.59 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>29.13</td><td>(-1.69)</td><td>0.0</td><td>29.13</td><td>(-1.69)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-44.74</td><td>(-4.85)</td><td>-12.40 k</td><td>-43.71</td><td>(-4.55)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.58</td><td>(-22.58)</td><td>-15.15 k</td><td>-43.44</td><td>(-23.44)</td><td>14.35 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq 405.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Man</div><div>Freq Offset 0 Hz</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 | 29.13 | (-1.69)  | 0.0   | 29.13 | (-1.69) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -44.74 | (-4.85) | -12.40 k | -43.71 | (-4.55) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.58 | (-22.58) | -15.15 k | -43.44 | (-23.44) | 14.35 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         | 29.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-1.69)        | 0.0       | 29.13        | (-1.69)        | 0.0            |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -44.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-4.85)        | -12.40 k  | -43.71       | (-4.55)        | 12.30 k        |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-22.58)       | -15.15 k  | -43.44       | (-23.44)       | 14.35 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><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:14:48 PM Nov 29, 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>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 37 dB</div><div>Ref 35.0 dBm</div><div></div><div>Center 406 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 32.00 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>20.03</td><td>(-10.79)</td><td>400.0</td><td>24.39</td><td>(-6.44)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-41.83</td><td>(-1.94)</td><td>-12.40 k</td><td>-45.80</td><td>(-4.99)</td><td>12.30 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.24</td><td>(-22.24)</td><td>-13.50 k</td><td>-41.87</td><td>(-21.87)</td><td>16.85 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq 405.987500 MHz</div><div>CF Step 12.000 kHz</div><div>Man</div><div>Freq Offset 0 Hz</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 | 20.03 | (-10.79) | 400.0 | 24.39 | (-6.44) | 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -41.83 | (-1.94) | -12.40 k | -45.80 | (-4.99) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.24 | (-22.24) | -13.50 k | -41.87 | (-21.87) | 16.85 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         | 20.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-10.79)       | 400.0     | 24.39        | (-6.44)        | 500.0          |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -41.83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-1.94)        | -12.40 k  | -45.80       | (-4.99)        | 12.30 k        |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-22.24)       | -13.50 k  | -41.87       | (-21.87)       | 16.85 k        |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:15:22 PM Nov 29, 2018</div></div></div><div><div>Center Freq 406.112500 MHz</div><div>Center Freq: 406.112500 MHz</div><div>Radio Std: None</div></div><div><div>PASS</div><div>If Gain: Low</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div></div><div><div>Ref Offset 37 dB</div><div>Ref 35.0 dBm</div><div></div><div>Center 406.1 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref 29.49 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>28.99</td><td>(-1.75)</td><td>0.0</td><td>29.02</td><td>(-1.72)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.60</td><td>(-5.45)</td><td>-12.15 k</td><td>-45.08</td><td>(-6.93)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.72</td><td>(-22.72)</td><td>-12.60 k</td><td>-42.10</td><td>(-22.10)</td><td>14.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table></div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div> <div><div>Frequency</div><div>Center Freq 406.112500 MHz</div><div>CF Step 12.000 kHz</div><div>Man</div><div>Freq Offset 0 Hz</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 | 28.99 | (-1.75)  | 0.0   | 29.02 | (-1.72) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -43.60 | (-5.45) | -12.15 k | -45.08 | (-6.93) | 12.15 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.72 | (-22.72) | -12.60 k | -42.10 | (-22.10) | 14.45 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Lower ΔLim(dB) | Freq (Hz) | < Peak > dBm | Upper ΔLim(dB) | Freq (Hz)      |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (-1.75)        | 0.0       | 29.02        | (-1.72)        | 50.00          |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -43.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-5.45)        | -12.15 k  | -45.08       | (-6.93)        | 12.15 k        |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (-22.72)       | -12.60 k  | -42.10       | (-22.10)       | 14.45 k        |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (—)            | —         | —            | (—)            | —              |           |              |                |           |        |           |          |       |          |       |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For UHF Band

| 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><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>02:15:56 PM Nov 26, 2018</div></div></div><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><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 37 dB</div><div>Ref 35.0 dBm</div><div><div>Center 406.1 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>31.56 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>Peak &gt;</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>21.37</td><td>(-9.37)</td><td>-150.0</td><td>21.43</td><td>(-9.31)</td><td>450.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.83</td><td>(-3.59)</td><td>-12.30 k</td><td>-43.35</td><td>(-2.66)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.06</td><td>(-22.06)</td><td>-13.50 k</td><td>-42.50</td><td>(-22.50)</td><td>15.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>406.112500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div>        | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 21.37 | (-9.37)  | -150.0 | 21.43  | (-9.31)  | 450.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.83 | (-3.59) | -12.30 k | -43.35 | (-2.66) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.06 | (-22.06) | -13.50 k | -42.50 | (-22.50) | 15.70 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | Peak >   | Upper ΔLim(dB) | Freq (Hz)      |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-9.37)        | -150.0    | 21.43    | (-9.31)        | 450.0          |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-3.59)        | -12.30 k  | -43.35   | (-2.66)        | 12.50 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-22.06)       | -13.50 k  | -42.50   | (-22.50)       | 15.70 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:10:58 PM Nov 26, 2018</div></div></div><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><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 28 dB</div><div>Ref 24.0 dBm</div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>19.31 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>Peak &gt;</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>19.21</td><td>(-0.34)</td><td>-350.0</td><td>-19.01</td><td>(-38.56)</td><td>100.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.24</td><td>(-1.35)</td><td>-12.50 k</td><td>-54.11</td><td>(-4.77)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-52.68</td><td>(-32.68)</td><td>-14.40 k</td><td>-53.96</td><td>(-33.96)</td><td>13.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>File &lt;MASK D.state&gt; recalled</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>438.012500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div> | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 19.21 | (-0.34)  | -350.0 | -19.01 | (-38.56) | 100.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -53.24 | (-1.35) | -12.50 k | -54.11 | (-4.77) | 12.15 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -52.68 | (-32.68) | -14.40 k | -53.96 | (-33.96) | 13.95 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | Peak >   | Upper ΔLim(dB) | Freq (Hz)      |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 19.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-0.34)        | -350.0    | -19.01   | (-38.56)       | 100.0          |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -53.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-1.35)        | -12.50 k  | -54.11   | (-4.77)        | 12.15 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -52.68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-32.68)       | -14.40 k  | -53.96   | (-33.96)       | 13.95 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| TX-DNL         | 4FSK            | CH <sub>M3</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>SD</div><div>AC</div></div><div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:11:38 PM Nov 26, 2018</div></div></div><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><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 28 dB</div><div>Ref 24.0 dBm</div><div><div>Center 438 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>21.99 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>Peak &gt;</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>8.974</td><td>(-10.58)</td><td>-700.0</td><td>8.521</td><td>(-11.03)</td><td>350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-53.61</td><td>(-2.09)</td><td>-12.45 k</td><td>-54.72</td><td>(-3.20)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-51.85</td><td>(-31.85)</td><td>-13.95 k</td><td>-52.00</td><td>(-32.00)</td><td>13.75 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></table></div><div>File &lt;Temp.png&gt; saved</div><div>STATUS</div></div><div><div>Frequency</div><div>Center Freq</div><div>438.012500 MHz</div><div>CF Step</div><div>12.000 kHz</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div></div></div>        | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 8.974 | (-10.58) | -700.0 | 8.521  | (-11.03) | 350.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -53.61 | (-2.09) | -12.45 k | -54.72 | (-3.20) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -51.85 | (-31.85) | -13.95 k | -52.00 | (-32.00) | 13.75 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower ΔLim(dB) | Freq (Hz) | Peak >   | Upper ΔLim(dB) | Freq (Hz)      |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 8.974                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (-10.58)       | -700.0    | 8.521    | (-11.03)       | 350.0          |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -53.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-2.09)        | -12.45 k  | -54.72   | (-3.20)        | 12.45 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -51.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (-31.85)       | -13.95 k  | -52.00   | (-32.00)       | 13.75 k        |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (—)            | —         | —        | (—)            | —              |           |        |                |           |        |           |          |       |          |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |



## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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  |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>20 dB</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:02:09 PM Nov 28, 2018</div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>PASS</div><div>IF Gain: Low</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 18.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>0.00</div><div>20.00</div><div>40.00</div><div>60.00</div><div>80.00</div><div>100.00</div><div>120.00</div><div>140.00</div><div>160.00</div><div>180.00</div><div>200.00</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>11.84 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>11.87</td><td>(-2.04)</td><td>-300.0</td><td>-28.74</td><td>(-42.66)</td><td>300.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-59.45</td><td>(-2.30)</td><td>-12.45 k</td><td>-57.30</td><td>(-0.87)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-57.22</td><td>(-37.22)</td><td>-18.10 k</td><td>-56.40</td><td>(-36.40)</td><td>35.70 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div><div>File &lt;MASK.D.state&gt; recalled</div><div>(status)</div></div></div></div><div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div> <tr><td>TX-DNL</td><td>4FSK</td><td>CH<sub>H1</sub></td><td><div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>20 dB</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:02:54 PM Nov 28, 2018</div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>PASS</div><div>IF Gain: Low</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 18.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>0.00</div><div>20.00</div><div>40.00</div><div>60.00</div><div>80.00</div><div>100.00</div><div>120.00</div><div>140.00</div><div>160.00</div><div>180.00</div><div>200.00</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>14.88 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>4.405</td><td>(9.51)</td><td>-300.0</td><td>2.736</td><td>(-11.18)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-57.80</td><td>(0.28)</td><td>-12.50 k</td><td>-57.59</td><td>(1.17)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-56.13</td><td>(-36.13)</td><td>-27.35 k</td><td>-54.78</td><td>(-34.78)</td><td>15.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div><div>File &lt;Temp.png&gt; saved</div><div>(status)</div></div></div></div><div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div></td></tr> | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLim(dB) | Freq (Hz) | Peak dBm | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 11.87 | (-2.04) | -300.0 | -28.74 | (-42.66) | 300.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -59.45 | (-2.30) | -12.45 k | -57.30 | (-0.87) | 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -57.22 | (-37.22) | -18.10 k | -56.40 | (-36.40) | 35.70 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | TX-DNL | 4FSK | CH <sub>H1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>20 dB</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:02:54 PM Nov 28, 2018</div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>PASS</div><div>IF Gain: Low</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 18.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>0.00</div><div>20.00</div><div>40.00</div><div>60.00</div><div>80.00</div><div>100.00</div><div>120.00</div><div>140.00</div><div>160.00</div><div>180.00</div><div>200.00</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>14.88 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>4.405</td><td>(9.51)</td><td>-300.0</td><td>2.736</td><td>(-11.18)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-57.80</td><td>(0.28)</td><td>-12.50 k</td><td>-57.59</td><td>(1.17)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-56.13</td><td>(-36.13)</td><td>-27.35 k</td><td>-54.78</td><td>(-34.78)</td><td>15.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div><div>File &lt;Temp.png&gt; 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| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lower ΔLim(dB) | Freq (Hz) | Peak dBm | Upper ΔLim(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 11.87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | (-2.04)        | -300.0    | -28.74   | (-42.66)       | 300.0          |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -59.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (-2.30)        | -12.45 k  | -57.30   | (-0.87)        | 12.35 k        |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -57.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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  |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Spectrum Emission Mask</div><div><div>RL</div><div>RF</div><div>20 dB</div><div>AC</div></div><div>SENSE PULSE</div><div>ALIGN OFF</div><div>04:02:54 PM Nov 28, 2018</div></div><div><div>Center Freq 469.987500 MHz</div><div>Center Freq: 469.987500 MHz</div><div>Radio Std: None</div><div>Trig: Free Run</div><div>Avg: 100.00% of 10</div><div>#Atten: 40 dB</div><div>Radio Device: BTS</div></div><div><div>PASS</div><div>IF Gain: Low</div></div></div><div><div>Ref Offset 27 dB</div><div>Ref 18.0 dBm</div><div><div>10 dB/div</div><div>Log</div><div><div>0.00</div><div>20.00</div><div>40.00</div><div>60.00</div><div>80.00</div><div>100.00</div><div>120.00</div><div>140.00</div><div>160.00</div><div>180.00</div><div>200.00</div></div></div><div><div>Center 470 MHz</div><div>Span 120 kHz</div></div><div><div>Total Power Ref</div><div>14.88 dBm 0.0125 MHz</div><table><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLim(dB)</th><th>Freq (Hz)</th><th>Peak dBm</th><th>Upper ΔLim(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>4.405</td><td>(9.51)</td><td>-300.0</td><td>2.736</td><td>(-11.18)</td><td>600.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-57.80</td><td>(0.28)</td><td>-12.50 k</td><td>-57.59</td><td>(1.17)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-56.13</td><td>(-36.13)</td><td>-27.35 k</td><td>-54.78</td><td>(-34.78)</td><td>15.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—)</td><td>—</td></tr></tbody></table><div><div>File &lt;Temp.png&gt; saved</div><div>(status)</div></div></div></div><div><div>Frequency</div><div>Center Freq<br/>469.987500 MHz</div><div>CF Step<br/>12.000 kHz<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 | 4.405 | (9.51)  | -300.0 | 2.736  | (-11.18) | 600.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -57.80 | (0.28)  | -12.50 k | -57.59 | (1.17)  | 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -56.13 | (-36.13) | -27.35 k | -54.78 | (-34.78) | 15.45 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |        |      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Start Freq     | Stop Freq       | Integ BW         | dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lower ΔLim(dB) | Freq (Hz) | Peak dBm | Upper ΔLim(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |         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| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 4.405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -57.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (0.28)         | -12.50 k  | -57.59   | (1.17)         | 12.35 k        |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |         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| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -56.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (-36.13)       | -27.35 k  | -54.78   | (-34.78)       | 15.45 k        |           |          |                |           |        |           |          |       |         |        |        |          |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |   |     |   |           |         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| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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**Appendix F:Frequency Stability Test & Temperature For VHF Band**

| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                 |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|-----------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | -0.106                | -0.128          | -0.130          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | -0.106                | -0.094          | -0.122          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | -0.094                | -0.106          | -0.108          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | -0.106                | -0.115          | -0.099          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | -0.064                | -0.077          | -0.083          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | <b>-0.063</b>         | -0.073          | -0.080          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | -0.076                | -0.102          | -0.120          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | -0.092                | -0.128          | -0.113          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 55          | -0.101                | -0.096          | -0.127          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | -0.097                | -0.160          | -0.135          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | -0.095                | -0.117          | -0.142          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | -0.108                | -0.121          | -0.136          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | -0.077                | -0.092          | -0.109          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | -0.073                | -0.081          | -0.096          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | -0.069                | -0.081          | -0.092          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | -0.073                | -0.083          | -0.098          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | -0.096                | -0.126          | -0.153          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 55          | -0.115                | -0.122          | -0.157          | ±5.0        | PASS   |

**Appendix F:Frequency Stability Test & Temperature For UHF Band**

| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                  |                  |                  |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|------------------|------------------|------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>M2</sub> | CH <sub>M3</sub> | CH <sub>H1</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | -0.067                | -0.079           | -0.071           | -0.036           | -0.060           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | -0.067                | -0.067           | -0.059           | -0.034           | -0.056           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | -0.054                | -0.061           | -0.056           | -0.029           | -0.047           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | -0.058                | -0.054           | -0.050           | -0.030           | -0.049           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | -0.035                | -0.034           | -0.032           | -0.018           | -0.029           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | -0.033                | -0.032           | -0.030           | <b>-0.017</b>    | -0.027           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | -0.054                | -0.056           | -0.059           | -0.029           | -0.049           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | -0.057                | -0.052           | -0.048           | -0.028           | -0.052           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 55          | -0.062                | -0.061           | -0.055           | -0.031           | -0.054           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | -0.098                | -0.094           | -0.083           | -0.045           | -0.097           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | -0.105                | -0.081           | -0.081           | -0.042           | -0.092           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | -0.100                | -0.086           | -0.084           | -0.041           | -0.094           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | -0.092                | -0.073           | -0.087           | -0.044           | -0.082           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | -0.053                | -0.047           | -0.048           | -0.025           | -0.053           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | -0.053                | -0.047           | -0.044           | -0.024           | -0.051           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | -0.101                | -0.078           | -0.084           | -0.041           | -0.096           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | -0.090                | -0.078           | -0.070           | -0.042           | -0.084           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 55          | -0.098                | -0.089           | -0.083           | -0.044           | -0.092           | ±5.0        | PASS   |

**Appendix G:Frequency Stability Test & Voltage For VHF Band**

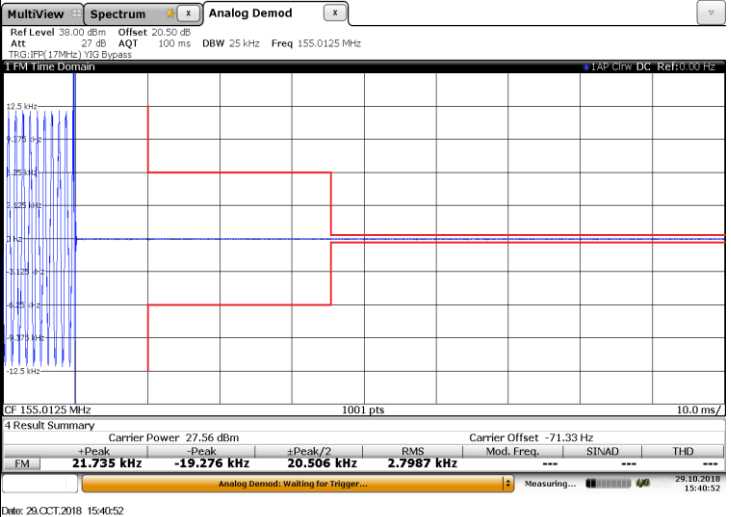
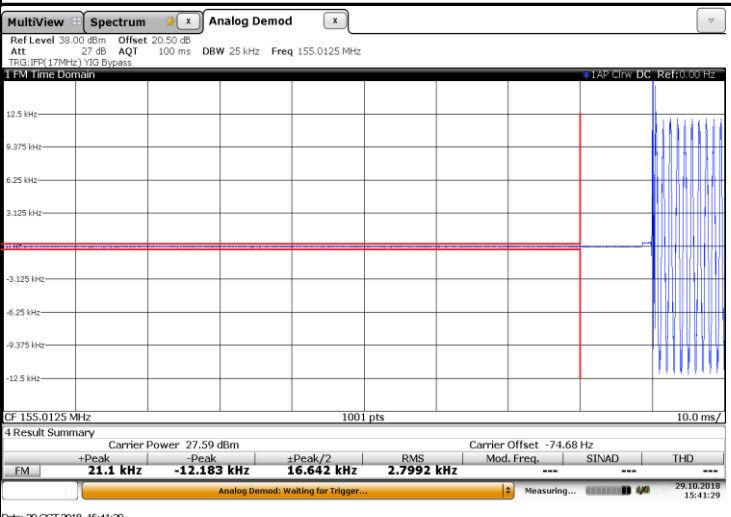
| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                 |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|-----------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | <u><b>-0.063</b></u>  | -0.073          | -0.080          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.074                | -0.081          | -0.091          | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.076                | -0.077          | -0.084          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | <u><b>-0.069</b></u>  | -0.081          | -0.092          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.079                | -0.094          | -0.106          | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.076                | -0.090          | -0.108          | ±5.0        | PASS   |

**Appendix G:Frequency Stability Test & Voltage For UHF Band**

| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                  |                  |                      |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|------------------|------------------|----------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>M2</sub> | CH <sub>M3</sub>     | CH <sub>H1</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | -0.033                | -0.032           | -0.030           | <b><u>-0.017</u></b> | -0.027           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.062                | -0.050           | -0.057           | -0.027               | -0.048           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.064                | -0.051           | -0.059           | -0.028               | -0.049           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | -0.053                | -0.047           | -0.044           | <b><u>-0.024</u></b> | -0.051           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.085                | -0.071           | -0.084           | -0.038               | -0.093           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.076                | -0.063           | -0.056           | -0.029               | -0.070           | ±5.0        | PASS   |



## Appendix H:Transmitter Frequency Behavior For VHF Band

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



## Appendix H:Transmitter Frequency Behavior For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <div><div><div>MultiViewSpectrumAnalog Demod</div><div>Ref Level 38.00 dBm Offset 20.50 dB<br/>Att 27 dB AQT 100 ms DBW 25 kHz Freq 406.1125 MHz<br/>TRG:IFPK (17MHz) YIG Bypass</div><div><div>1 FM Time Domain</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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## Appendix I:Spurious Emission On Antenna Port For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>L</sub> | <p>Agilent Spectrum Analyzer - Sweep SA<br/>Center Freq 515.000000 MHz<br/>Ref Offset 19 dB<br/>Ref 0.00 dBm<br/>Mkr3 272.50 MHz<br/>-60.701 dBm<br/>Start 30.0 MHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Stop 1.0000 GHz<br/>Sweep 92.73 ms (1001 pts)<br/>Mkr MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 135.73 MHz -46.861 dBm<br/>2 N 1 f 408.30 MHz -58.632 dBm<br/>3 N 1 f 272.50 MHz -60.701 dBm<br/>STATUS</p> <p>30MHz~1GHz</p>                      |
| TX-DNH         | 4FSK            | CH <sub>L</sub> | <p>Agilent Spectrum Analyzer - Sweep SA<br/>Center Freq 1.180062500 GHz<br/>Ref Offset 19 dB<br/>Ref 0.00 dBm<br/>Mkr1 1.0277 GHz<br/>-56.318 dBm<br/>Start 1.0000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz<br/>Stop 1.3601 GHz<br/>Sweep 1.000 ms (1001 pts)<br/>File &lt;Temp.png&gt; saved<br/>STATUS</p> <p>1GHz~10th Harmonic</p>                                                                                                                                                    |
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <p>Agilent Spectrum Analyzer - Sweep SA<br/>Center Freq 515.000000 MHz<br/>Ref Offset 19 dB<br/>Ref 0.00 dBm<br/>Mkr3 399.57 MHz<br/>-64.631 dBm<br/>Start 30.0 MHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Stop 1.0000 GHz<br/>Sweep 92.73 ms (1001 pts)<br/>Mkr MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 450.01 MHz -51.929 dBm<br/>2 N 1 f 399.57 MHz -64.631 dBm<br/>3 N 1 f 399.57 MHz -64.631 dBm<br/>STATUS</p> <p>No Peak Found</p> <p>30MHz~1GHz</p> |



## Appendix I:Spurious Emission On Antenna Port For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|-----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 1.275062500 GHz</div><div>Ref Offset 19 dB<br/>Ref 0.00 dBm</div><div>Mkr1 1.290 5 GHz<br/>-55.901 dBm</div></div><div><div>Start 1.0000 GHz</div><div>#Res BW 1.0 MHz</div><div>#VBW 3.0 MHz</div><div>Sweep 1.000 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/>1.275062500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>1.550125000 GHz</div><div>CF Step<br/>55.012500 MHz<br/>Auto<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div> |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 19 dB<br/>Ref 0.00 dBm</div><div>Mkr3 976.72 MHz<br/>-63.563 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>No Peak Found</div><div>(STATUS)</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<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>30MHz~1GHz</div></div>                              |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Swept SA</div><div><div>Center Freq 1.369937500 GHz</div><div>Ref Offset 19 dB<br/>Ref 0.00 dBm</div><div>Mkr1 1.660 7 GHz<br/>-55.604 dBm</div></div><div><div>Start 1.0000 GHz</div><div>#Res BW 1.0 MHz</div><div>#VBW 3.0 MHz</div><div>Sweep 1.000 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/>1.369937500 GHz</div><div>Start Freq<br/>1.000000000 GHz</div><div>Stop Freq<br/>1.739875000 GHz</div><div>CF Step<br/>73.987500 MHz<br/>Auto<br/>Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>1GHz~10th Harmonic</div></div> |

----End of Report----

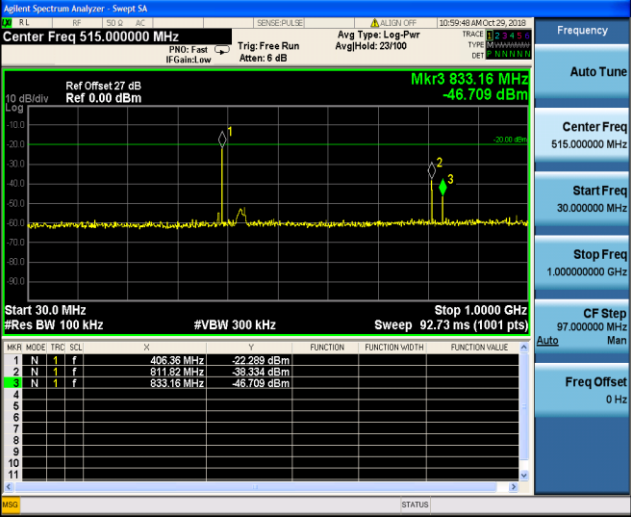
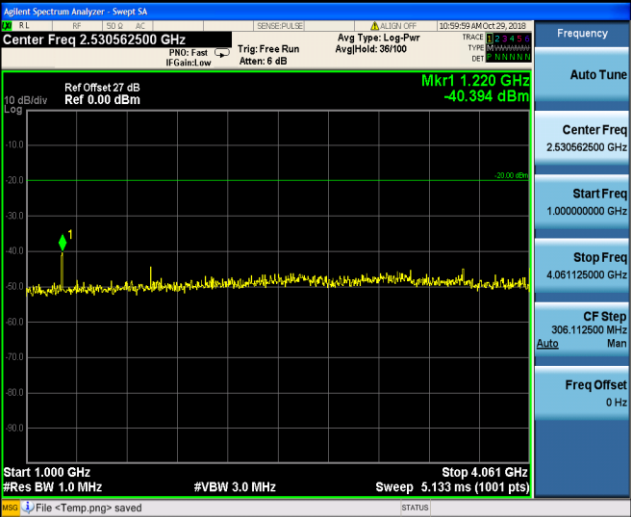


## Appendix I:Spurious Emission On Antenna Port For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |             |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|----------|----------------|----------------|---|----------|----------------|----------------|---|---|---|---|------------|-------------|--|--|--|---|---|---|---|------------|-------------|--|--|--|---|---|---|---|------------|-------------|--|--|--|
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div></div><div>Start 30.0 MHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Sweep 92.73 ms (1001 pts)</div><div><table><tr><th>Mkr</th><th>Mode</th><th>Trig</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.57 MHz</td><td>-16.365 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>800.18 MHz</td><td>-41.130 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>-51.303 dBm</td><td></td><td></td><td></td></tr></table></div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>515.000000 MHz</div><div>Start Freq<br/>30.000000 MHz</div><div>Stop Freq<br/>1.000000000 GHz</div><div>CF Step<br/>97.000000 MHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>30MHz~1GHz</div></div> | Mkr        | Mode        | Trig     | SCL            | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 399.57 MHz | -16.365 dBm |  |  |  | 2 | N | 1 | f | 800.18 MHz | -41.130 dBm |  |  |  | 3 | N | 1 | f | 450.01 MHz | -51.303 dBm |  |  |  |
| Mkr            | Mode            | Trig             | SCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | X          | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 1              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 399.57 MHz | -16.365 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 2              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 800.18 MHz | -41.130 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 3              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 450.01 MHz | -51.303 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.500062500 GHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div></div><div>Start 1.000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz<br/>Sweep 5.067 ms (1001 pts)</div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>2.500062500 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></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |             |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <div><div><div><div>Agilent Spectrum Analyzer - Sweep SA</div><div>Center Freq 515.000000 MHz</div><div>Ref Offset 27 dB<br/>Ref 0.00 dBm</div><div></div><div>Start 30.0 MHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Sweep 92.73 ms (1001 pts)</div><div><table><tr><th>Mkr</th><th>Mode</th><th>Trig</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>399.57 MHz</td><td>-46.153 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>-50.500 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>406.36 MHz</td><td>-55.246 dBm</td><td></td><td></td><td></td></tr></table></div><div>File &lt;Temp.png&gt; saved</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq<br/>515.000000 MHz</div><div>Start Freq<br/>30.000000 MHz</div><div>Stop Freq<br/>1.000000000 GHz</div><div>CF Step<br/>97.000000 MHz<br/>Auto Man</div><div>Freq Offset<br/>0 Hz</div></div></div><div>30MHz~1GHz</div></div> | Mkr        | Mode        | Trig     | SCL            | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 | N | 1 | f | 399.57 MHz | -46.153 dBm |  |  |  | 2 | N | 1 | f | 450.01 MHz | -50.500 dBm |  |  |  | 3 | N | 1 | f | 406.36 MHz | -55.246 dBm |  |  |  |
| Mkr            | Mode            | Trig             | SCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | X          | Y           | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 1              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 399.57 MHz | -46.153 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 2              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 450.01 MHz | -50.500 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |
| 3              | N               | 1                | f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 406.36 MHz | -55.246 dBm |          |                |                |   |          |                |                |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |   |   |   |   |            |             |  |  |  |

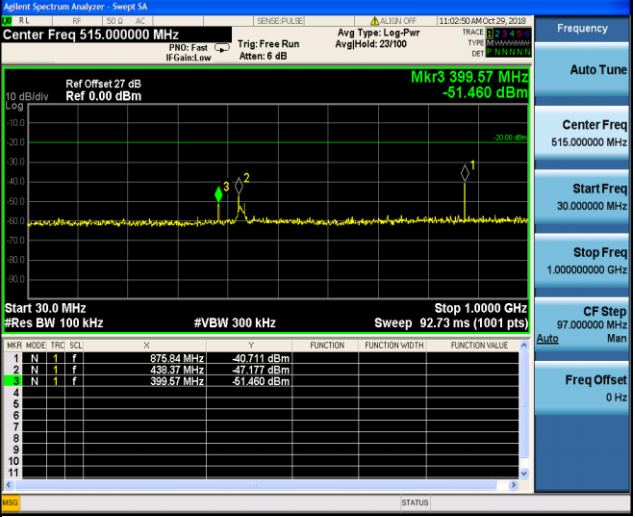
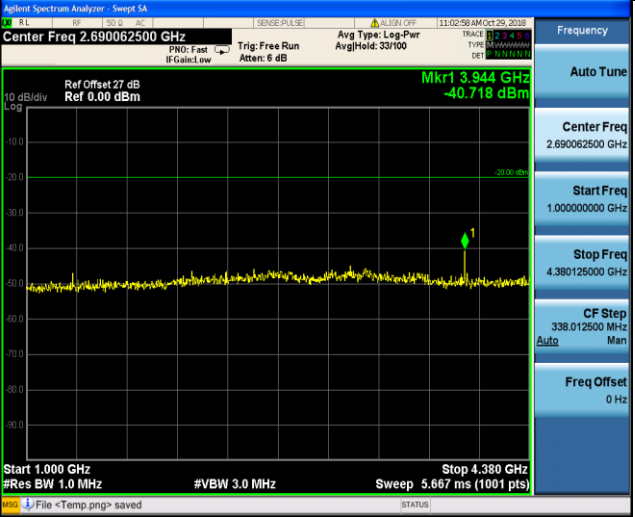
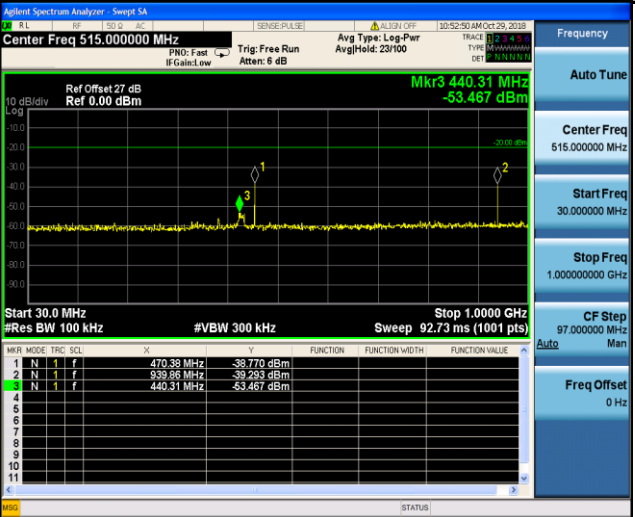


## Appendix I:Spurious Emission On Antenna Port For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>M1</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 2.529937500 GHz<br/>Ref Offset 27 dB<br/>Ref 0.00 dBm<br/>Mkr1 1.217 GHz<br/>-42.250 dBm<br/>Start 1.000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz<br/>Sweep 5.133 ms (1001 pts)<br/>File &lt;Temp.png&gt; saved</p> <p>1GHz~10th Harmonic</p>                                                                                                                                  |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 515.000000 MHz<br/>Ref Offset 27 dB<br/>Ref 0.00 dBm<br/>Mkr3 833.16 MHz<br/>-46.709 dBm<br/>Start 30.0 MHz<br/>#Res BW 100 kHz<br/>#VBW 300 kHz<br/>Sweep 92.73 ms (1001 pts)<br/>Mkr MODE TRG SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 458.38 MHz -22.288 dBm<br/>2 N 1 f 811.82 MHz -38.534 dBm<br/>3 N 1 f 833.16 MHz -46.709 dBm</p> <p>30MHz~1GHz</p> |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 2.530562500 GHz<br/>Ref Offset 27 dB<br/>Ref 0.00 dBm<br/>Mkr1 1.220 GHz<br/>-40.394 dBm<br/>Start 1.000 GHz<br/>#Res BW 1.0 MHz<br/>#VBW 3.0 MHz<br/>Sweep 5.133 ms (1001 pts)<br/>File &lt;Temp.png&gt; saved</p> <p>1GHz~10th Harmonic</p>                                                                                                                                |



## Appendix I:Spurious Emission On Antenna Port For UHF Band

| 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>H1</sub> |  <p>30MHz~1GHz</p>        |



Appendix I:Spurious Emission On Antenna Port For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|-----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX-DNH         | 4FSK            | CH <sub>H1</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----