

|                 |                    |             |                      |
|-----------------|--------------------|-------------|----------------------|
| Project No.     | SHT2305026001EW    |             |                      |
| Test sample No. | YPHT23050260001    | Model No.   | RS-569D              |
| Start test date | 2023/5/18          | Finish date | 2023/5/25            |
| Temperature     | 24.5°C             | Humidity    | 52%                  |
| Test Engineer   | <i>ChunShui Gu</i> | Auditor     | <i>Xiaodong Zhao</i> |

| Appendix clause | Test Item                              | Test Result (PASS/FAIL) |
|-----------------|--|-------------------------|
| A               | Maximum Transmitter Power              | PASS                    |
| B               | Occupied Bandwidth                     | PASS                    |
| C               | Emission Mask                          | PASS                    |
| D               | Frequency Stability Test & Temperature | PASS                    |
| E               | Frequency Stability Test & Voltage     | PASS                    |
| F               | Transmitter Frequency Behavior         | PASS                    |
| G               | Spurious Emission On Antenna Port      | PASS                    |

**Appendix A:Maximum Transmitter Power**

| Operation Mode | Modulation Type | Test Channel     | Measured Power (dBm) | Measured Power(W) | Rated Power(W) | Percentage (%) | Limit (%) | Result |
|----------------|-----------------|------------------|----------------------|-------------------|----------------|----------------|-----------|--------|
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | 36.6                 | 4.57              | 5.00           | -8.6           | ±20       | PASS   |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | 36.6                 | 4.57              | 5.00           | -8.6           | ±20       | PASS   |
| TX-DNH         | 4FSK            | CH <sub>H1</sub> | 36.3                 | 4.27              | 5.00           | -14.6          | ±20       | PASS   |
| TX-DNH         | 4FSK            | CH <sub>L2</sub> | 36.5                 | 4.47              | 5.00           | -10.6          | ±20       | PASS   |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | 36.3                 | 4.27              | 5.00           | -14.6          | ±20       | PASS   |
| TX-DNH         | 4FSK            | CH <sub>H2</sub> | 36.2                 | 4.17              | 5.00           | -16.6          | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>L1</sub> | 29.3                 | 0.85              | 1.00           | -15.0          | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | 29.2                 | 0.83              | 1.00           | -17.0          | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | 29.6                 | 0.91              | 1.00           | -9.0           | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>L2</sub> | 29.3                 | 0.85              | 1.00           | -15.0          | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | 29.5                 | 0.89              | 1.00           | -11.0          | ±20       | PASS   |
| TX-DNL         | 4FSK            | CH <sub>H2</sub> | 29.3                 | 0.85              | 1.00           | -15.0          | ±20       | PASS   |

**Appendix B:Occupied Bandwidth**

| Operation Mode | Modulation Type | Test Channel     | Occupied Bandwidth |           | 99% Limit(kHz) | Result |
|----------------|-----------------|------------------|--------------------|-----------|----------------|--------|
|                |                 |                  | 99%(kHz)           | 26dB(kHz) |                |        |
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | 7.319              | 9.258     | ≤11.25         | PASS   |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | 7.363              | 9.315     | ≤11.25         | PASS   |
| TX-DNH         | 4FSK            | CH <sub>H1</sub> | 7.495              | 9.282     | ≤11.25         | PASS   |
| TX-DNH         | 4FSK            | CH <sub>L2</sub> | 7.363              | 9.221     | ≤11.25         | PASS   |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | 7.567              | 9.417     | ≤11.25         | PASS   |
| TX-DNH         | 4FSK            | CH <sub>H2</sub> | 7.607              | 9.473     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>L1</sub> | 7.559              | 9.313     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | 7.454              | 9.517     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | 7.550              | 9.336     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>L2</sub> | 7.406              | 9.218     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | 7.565              | 9.389     | ≤11.25         | PASS   |
| TX-DNL         | 4FSK            | CH <sub>H2</sub> | 7.715              | 9.648     | ≤11.25         | PASS   |

## Appendix B: Occupied Bandwidth

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |
|----------------|-----------------|------------------|--|
| TX-DNH         | 4FSK            | CH <sub>L1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 136.100000 MHz</p> <p>Ref 41.43 dBm</p> <p>Occupied Bandwidth 7.319 kHz</p> <p>Total Power 44.5 dBm</p> <p>Transmit Freq Error 12 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.258 kHz</p> <p>x dB -26.00 dB</p>  |
| TX-DNH         | 4FSK            | CH <sub>M1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 155.000000 MHz</p> <p>Ref 41.39 dBm</p> <p>Occupied Bandwidth 7.363 kHz</p> <p>Total Power 44.0 dBm</p> <p>Transmit Freq Error -91 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.315 kHz</p> <p>x dB -26.00 dB</p> |
| TX-DNH         | 4FSK            | CH <sub>H1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 173.900000 MHz</p> <p>Ref 41.22 dBm</p> <p>Occupied Bandwidth 7.495 kHz</p> <p>Total Power 43.9 dBm</p> <p>Transmit Freq Error -69 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.282 kHz</p> <p>x dB -26.00 dB</p> |

## Appendix B: Occupied Bandwidth

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |
|----------------|-----------------|------------------|--|
| TX-DNH         | 4FSK            | CH <sub>L2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.100000 MHz</p> <p>Ref 41.13 dBm</p> <p>Occupied Bandwidth 7.363 kHz</p> <p>Total Power 43.4 dBm</p> <p>Transmit Freq Error -63 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.221 kHz</p> <p>x dB -26.00 dB</p> |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 435.000000 MHz</p> <p>Ref 41.40 dBm</p> <p>Occupied Bandwidth 7.567 kHz</p> <p>Total Power 43.6 dBm</p> <p>Transmit Freq Error -58 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.417 kHz</p> <p>x dB -26.00 dB</p> |
| TX-DNH         | 4FSK            | CH <sub>H2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.900000 MHz</p> <p>Ref 41.74 dBm</p> <p>Occupied Bandwidth 7.607 kHz</p> <p>Total Power 43.2 dBm</p> <p>Transmit Freq Error -62 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.473 kHz</p> <p>x dB -26.00 dB</p> |

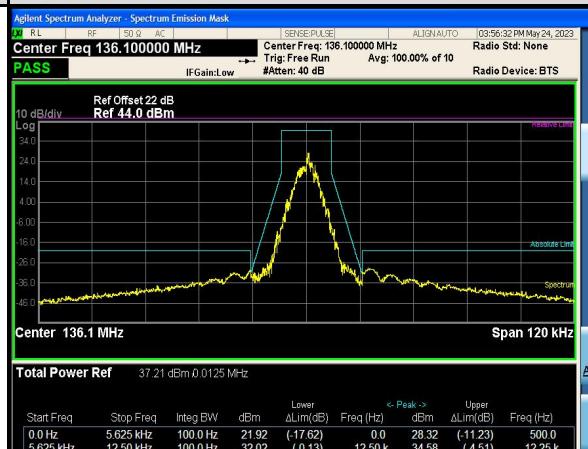
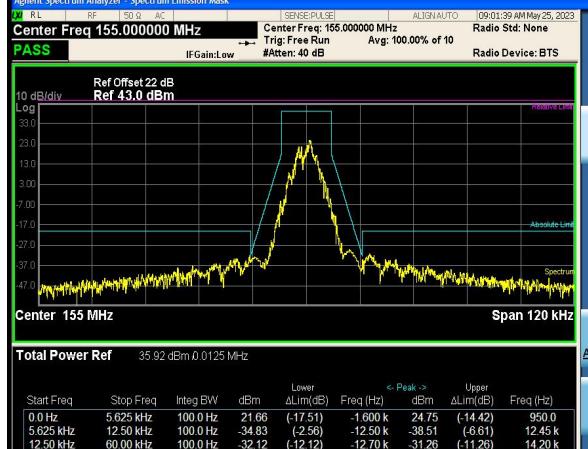
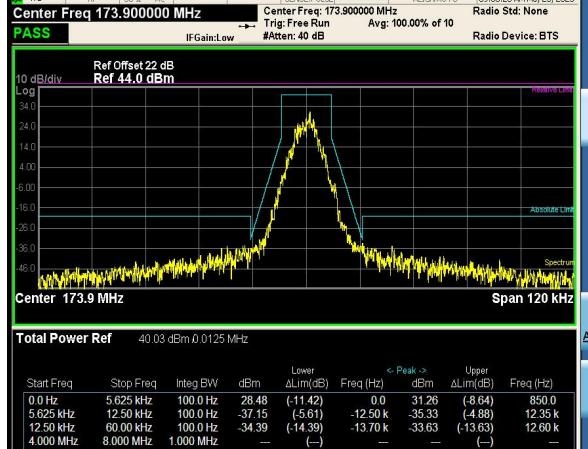
## Appendix B: Occupied Bandwidth

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT  |
|----------------|-----------------|------------------|---|
| TX-DNL         | 4FSK            | CH <sub>L1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 136.100000 MHz</p> <p>Ref 35.39 dBm</p> <p>Occupied Bandwidth 7.550 kHz</p> <p>Total Power 38.1 dBm</p> <p>Transmit Freq Error 7 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.336 kHz</p> <p>x dB -26.00 dB</p>    |
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 155.000000 MHz</p> <p>Ref 35.29 dBm</p> <p>Occupied Bandwidth 7.559 kHz</p> <p>Total Power 37.8 dBm</p> <p>Transmit Freq Error -94 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.313 kHz</p> <p>x dB -26.00 dB</p>  |
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 173.900000 MHz</p> <p>Ref 35.74 dBm</p> <p>Occupied Bandwidth 7.454 kHz</p> <p>Total Power 38.7 dBm</p> <p>Transmit Freq Error -100 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.517 kHz</p> <p>x dB -26.00 dB</p> |

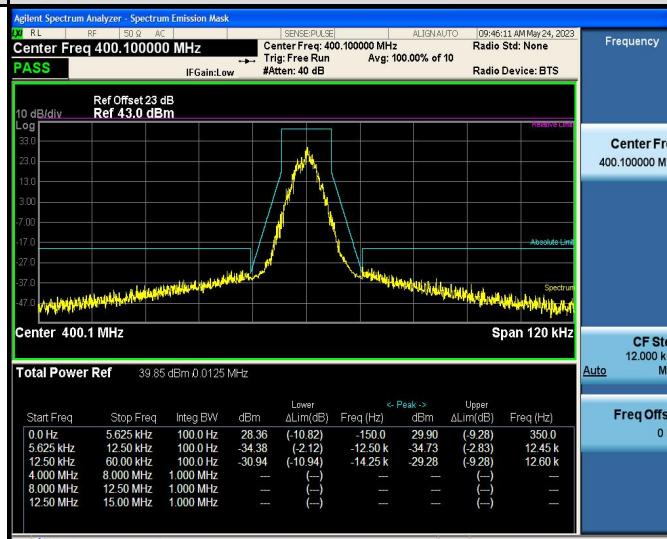
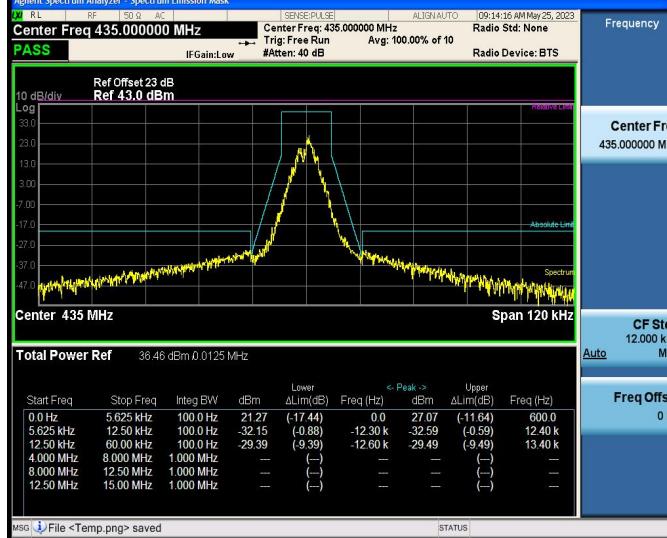
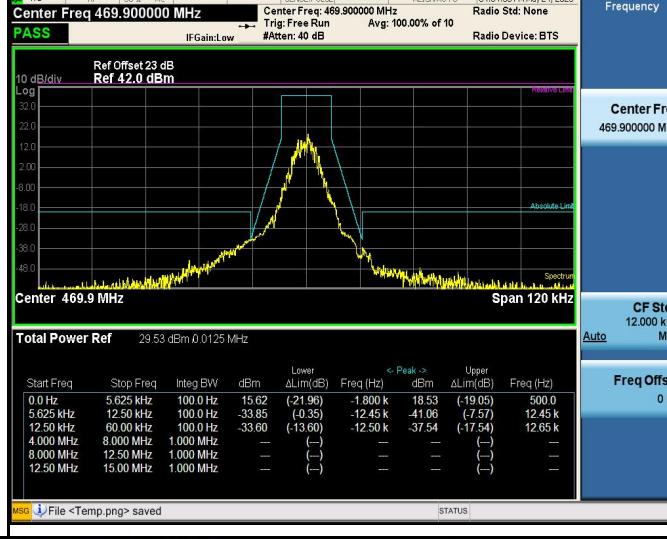
## Appendix B: Occupied Bandwidth

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |
|----------------|-----------------|------------------|--|
| TX-DNL         | 4FSK            | CH <sub>L2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 400.100000 MHz</p> <p>Ref 39.76 dBm</p> <p>Occupied Bandwidth 7.406 kHz</p> <p>Total Power 37.3 dBm</p> <p>Transmit Freq Error -90 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.218 kHz</p> <p>x dB -26.00 dB</p> |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 435.000000 MHz</p> <p>Ref 39.93 dBm</p> <p>Occupied Bandwidth 7.565 kHz</p> <p>Total Power 36.7 dBm</p> <p>Transmit Freq Error -31 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.389 kHz</p> <p>x dB -26.00 dB</p> |
| TX-DNL         | 4FSK            | CH <sub>H2</sub> | <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 469.900000 MHz</p> <p>Ref 39.82 dBm</p> <p>Occupied Bandwidth 7.715 kHz</p> <p>Total Power 36.7 dBm</p> <p>Transmit Freq Error -92 Hz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 9.648 kHz</p> <p>x dB -26.00 dB</p> |

## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |            |           |          |                  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
|----------------|-----------------|------------------|--|------------|-----------|----------|------------------|-------|----------|-------|-----------|--------|-----------|----------|-------|----------|----------|-------|----------------|-----------|-----------|----------|--------|---------|----------|--------|-----------------|-----------|-----------|----------|--------|----------|----------|--------|------------------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|---|
| TX-DNH         | 4FSK            | CH <sub>L1</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 136.100000 MHz</p> <p>Total Power Ref 37.21 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.92</td> <td>(-17.62)</td> <td>0.0</td> <td>28.32</td> <td>(-11.23) 500.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.02</td> <td>(-0.13)</td> <td>-12.50 k</td> <td>-34.58</td> <td>(-4.51) 12.25 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>29.59</td> <td>(9.59)</td> <td>-12.55 k</td> <td>-28.68</td> <td>(-8.68) 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> </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> </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> </tr> </tbody> </table>           | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 21.92 | (-17.62) | 0.0      | 28.32 | (-11.23) 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -32.02 | (-0.13) | -12.50 k | -34.58 | (-4.51) 12.25 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 29.59  | (9.59)   | -12.55 k | -28.68 | (-8.68) 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 | — | (—) | — | — | (—) — | Frequency<br>Center Freq 136.100000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.92  | (-17.62)   | 0.0       | 28.32    | (-11.23) 500.0   |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -32.02   | (-0.13)    | -12.50 k  | -34.58   | (-4.51) 12.25 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 29.59  | (9.59)     | -12.55 k  | -28.68   | (-8.68) 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> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 155.000000 MHz</p> <p>Total Power Ref 35.92 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.66</td> <td>(-17.51)</td> <td>-1.600 k</td> <td>24.75</td> <td>(-14.42) 950.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-34.83</td> <td>(-2.56)</td> <td>-12.50 k</td> <td>-38.51</td> <td>(-6.61) 12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-32.12</td> <td>(-12.12)</td> <td>-12.70 k</td> <td>-31.26</td> <td>(-11.26) 14.20 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> </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> </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> </tr> </tbody> </table> | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 21.66 | (-17.51) | -1.600 k | 24.75 | (-14.42) 950.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -34.83 | (-2.56) | -12.50 k | -38.51 | (-6.61) 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -32.12 | (-12.12) | -12.70 k | -31.26 | (-11.26) 14.20 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 | — | (—) | — | — | (—) — | Frequency<br>Center Freq 155.000000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.66  | (-17.51)   | -1.600 k  | 24.75    | (-14.42) 950.0   |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -34.83   | (-2.56)    | -12.50 k  | -38.51   | (-6.61) 12.45 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -32.12   | (-12.12)   | -12.70 k  | -31.26   | (-11.26) 14.20 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>H1</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 173.900000 MHz</p> <p>Total Power Ref 40.03 dBm @ 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</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>28.48</td> <td>(-11.42)</td> <td>0.0</td> <td>31.26</td> <td>(-8.64) 850.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-37.15</td> <td>(-5.81)</td> <td>-12.50 k</td> <td>-35.33</td> <td>(-4.89) 12.35 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-34.39</td> <td>(-14.39)</td> <td>-13.70 k</td> <td>-33.63</td> <td>(-13.63) 12.60 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—) —</td> </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> </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> </tr> </tbody> </table>      | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 28.48 | (-11.42) | 0.0      | 31.26 | (-8.64) 850.0  | 5.625 kHz | 12.50 kHz | 100.0 Hz | -37.15 | (-5.81) | -12.50 k | -35.33 | (-4.89) 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -34.39 | (-14.39) | -13.70 k | -33.63 | (-13.63) 12.60 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) — | Frequency<br>Center Freq 173.900000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.48  | (-11.42)   | 0.0       | 31.26    | (-8.64) 850.0    |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -37.15   | (-5.81)    | -12.50 k  | -35.33   | (-4.89) 12.35 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -34.39   | (-14.39)   | -13.70 k  | -33.63   | (-13.63) 12.60 k |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |

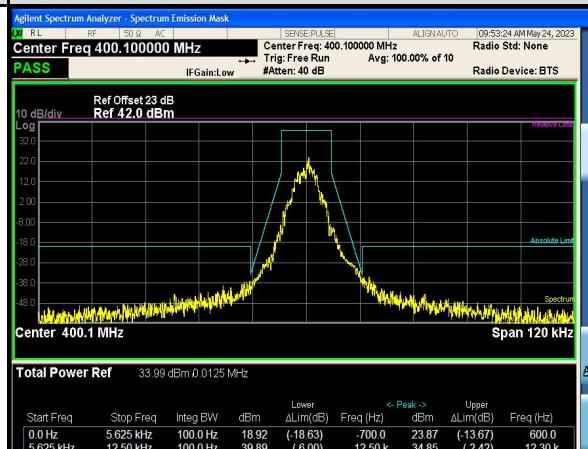
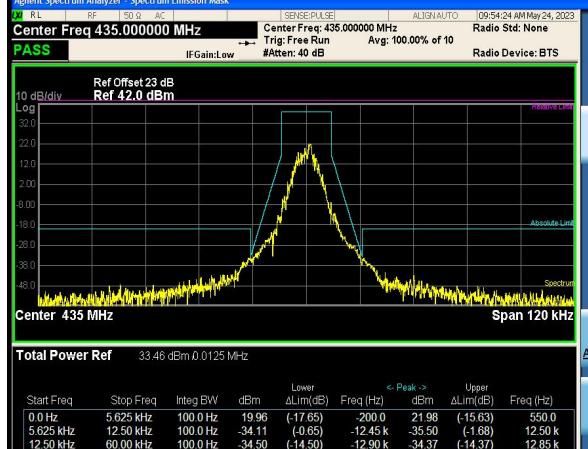
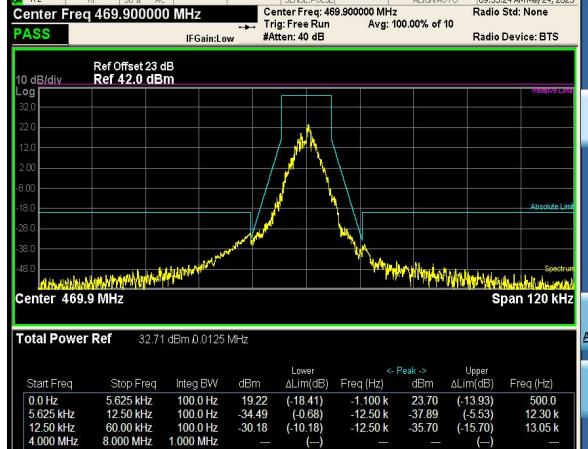
## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |            |           |          |                  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
|----------------|-----------------|------------------|--|------------|-----------|----------|------------------|-------|----------|-------|-----------|--------|-----------|----------|-------|----------|----------|-------|----------------|-----------|-----------|----------|--------|---------|----------|--------|-----------------|-----------|-----------|----------|--------|----------|----------|--------|------------------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|---|
| TX-DNH         | 4FSK            | CH <sub>L2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 400.100000 MHz</p> <p>PASS</p> <p>Total Power Ref 39.85 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</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>28.36</td> <td>(-10.82)</td> <td>-150.0</td> <td>29.90</td> <td>(-9.28) 350.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-34.38</td> <td>(-2.12)</td> <td>-12.50 k</td> <td>-34.73</td> <td>(-2.83) 12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-30.94</td> <td>(-10.94)</td> <td>-14.25 k</td> <td>-29.28</td> <td>(-9.28) 12.60 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—) —</td> </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> </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> </tr> </tbody> </table> <p>msg : File &lt;Temp.png&gt; saved</p> <p>STATUS</p>       | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 28.36 | (-10.82) | -150.0   | 29.90 | (-9.28) 350.0  | 5.625 kHz | 12.50 kHz | 100.0 Hz | -34.38 | (-2.12) | -12.50 k | -34.73 | (-2.83) 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -30.94 | (-10.94) | -14.25 k | -29.28 | (-9.28) 12.60 k  | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) — | Frequency<br>Center Freq 400.100000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.36  | (-10.82)   | -150.0    | 29.90    | (-9.28) 350.0    |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -34.38   | (-2.12)    | -12.50 k  | -34.73   | (-2.83) 12.45 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -30.94   | (-10.94)   | -14.25 k  | -29.28   | (-9.28) 12.60 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—) —            |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 435.000000 MHz</p> <p>PASS</p> <p>Total Power Ref 36.46 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr> <td>0.0 Hz</td> <td>5.625 kHz</td> <td>100.0 Hz</td> <td>21.27</td> <td>(-17.44)</td> <td>0.0</td> <td>27.07</td> <td>(-11.64) 600.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-32.15</td> <td>(-0.88)</td> <td>-12.30 k</td> <td>-32.59</td> <td>(-0.59) 12.40 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-29.39</td> <td>(-9.39)</td> <td>-12.60 k</td> <td>-29.49</td> <td>(-9.49) 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> </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> </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> </tr> </tbody> </table> <p>msg : File &lt;Temp.png&gt; saved</p> <p>STATUS</p>         | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 21.27 | (-17.44) | 0.0      | 27.07 | (-11.64) 600.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -32.15 | (-0.88) | -12.30 k | -32.59 | (-0.59) 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -29.39 | (-9.39)  | -12.60 k | -29.49 | (-9.49) 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 | — | (—) | — | — | (—) — | Frequency<br>Center Freq 435.000000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.27  | (-17.44)   | 0.0       | 27.07    | (-11.64) 600.0   |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -32.15   | (-0.88)    | -12.30 k  | -32.59   | (-0.59) 12.40 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -29.39   | (-9.39)    | -12.60 k  | -29.49   | (-9.49) 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>H2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.900000 MHz</p> <p>PASS</p> <p>Total Power Ref 29.53 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</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>15.62</td> <td>(-21.96)</td> <td>-1.800 k</td> <td>18.53</td> <td>(-19.05) 500.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>-33.85</td> <td>(-0.35)</td> <td>-12.45 k</td> <td>-41.06</td> <td>(-7.57) 12.45 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>-33.60</td> <td>(-13.60)</td> <td>-12.50 k</td> <td>-37.54</td> <td>(-17.54) 12.65 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> </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> </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> </tr> </tbody> </table> <p>msg : File &lt;Temp.png&gt; saved</p> <p>STATUS</p> | Start Freq | Stop Freq | Integ BW | dBm              | Lower | < Peak > | Upper | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 15.62 | (-21.96) | -1.800 k | 18.53 | (-19.05) 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -33.85 | (-0.35) | -12.45 k | -41.06 | (-7.57) 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -33.60 | (-13.60) | -12.50 k | -37.54 | (-17.54) 12.65 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 | — | (—) | — | — | (—) — | Frequency<br>Center Freq 469.900000 MHz<br>CF Step 12.000 kHz<br>Auto<br>Freq Offset 0 Hz |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | Freq (Hz)        |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 15.62  | (-21.96)   | -1.800 k  | 18.53    | (-19.05) 500.0   |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -33.85   | (-0.35)    | -12.45 k  | -41.06   | (-7.57) 12.45 k  |       |          |       |           |        |           |          |       |          |          |       |                |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -33.60   | (-13.60)   | -12.50 k  | -37.54   | (-17.54) 12.65 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

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT  |                |           |                |                  |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
|----------------|-----------------|------------------|---|----------------|-----------|----------------|------------------|----------------|----------|----------------|-----------|--------|-----------|----------|-------|----------|---------|-------|------------------|-----------|-----------|----------|--------|---------|----------|--------|-----------------|-----------|-----------|----------|--------|----------|----------|--------|------------------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|-----------|-----------|-----------|---|-----|---|---|-------|--|
| TX-DNL         | 4FSK            | CH <sub>L1</sub> | <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>&lt; Peak &gt;</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>19.67</td><td>(-13.47)</td><td>-100.0</td><td>23.35</td><td>(-9.80) 850.0</td></tr> <tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-40.37</td><td>(-5.35)</td><td>-12.05 k</td><td>-40.38</td><td>(-3.54) 12.30 k</td></tr> <tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.21</td><td>(-20.21)</td><td>-12.90 k</td><td>-40.07</td><td>(-20.07) 12.70 k</td></tr> <tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>—</td><td>(—) —</td></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></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></tr> </tbody> </table>     | Start Freq     | Stop Freq | Integ BW       | dBm              | Lower ΔLim(dB) | < Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 19.67 | (-13.47) | -100.0  | 23.35 | (-9.80) 850.0    | 5.625 kHz | 12.50 kHz | 100.0 Hz | -40.37 | (-5.35) | -12.05 k | -40.38 | (-3.54) 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -40.21 | (-20.21) | -12.90 k | -40.07 | (-20.07) 12.70 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) — |  |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLim(dB) | < Peak >  | Upper ΔLim(dB) | Freq (Hz)        |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 19.67   | (-13.47)       | -100.0    | 23.35          | (-9.80) 850.0    |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -40.37  | (-5.35)        | -12.05 k  | -40.38         | (-3.54) 12.30 k  |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -40.21  | (-20.21)       | -12.90 k  | -40.07         | (-20.07) 12.70 k |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>&lt; Peak &gt;</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>22.39</td><td>(-11.14)</td><td>-50.00</td><td>24.08</td><td>(-9.44) 500.0</td></tr> <tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-39.82</td><td>(-1.91)</td><td>-12.50 k</td><td>-36.77</td><td>(-1.76) 12.10 k</td></tr> <tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-33.19</td><td>(-13.19)</td><td>-15.55 k</td><td>-31.12</td><td>(-11.12) 13.20 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></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></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></tr> </tbody> </table>     | Start Freq     | Stop Freq | Integ BW       | dBm              | Lower ΔLim(dB) | < Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 22.39 | (-11.14) | -50.00  | 24.08 | (-9.44) 500.0    | 5.625 kHz | 12.50 kHz | 100.0 Hz | -39.82 | (-1.91) | -12.50 k | -36.77 | (-1.76) 12.10 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -33.19 | (-13.19) | -15.55 k | -31.12 | (-11.12) 13.20 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) | < Peak >  | Upper ΔLim(dB) | Freq (Hz)        |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 22.39   | (-11.14)       | -50.00    | 24.08          | (-9.44) 500.0    |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -39.82  | (-1.91)        | -12.50 k  | -36.77         | (-1.76) 12.10 k  |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -33.19  | (-13.19)       | -15.55 k  | -31.12         | (-11.12) 13.20 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-DNL         | 4FSK            | CH <sub>H1</sub> | <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower ΔLim(dB)</th> <th>&lt; Peak &gt;</th> <th>Upper ΔLim(dB)</th> <th>Freq (Hz)</th> </tr> </thead> <tbody> <tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>21.01</td><td>(-11.88)</td><td>-1200 k</td><td>21.58</td><td>(-11.31) 1.000 k</td></tr> <tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-43.52</td><td>(-7.52)</td><td>-12.15 k</td><td>-44.74</td><td>(-8.19) 12.50 k</td></tr> <tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-40.32</td><td>(-20.32)</td><td>-12.80 k</td><td>-38.98</td><td>(-16.98) 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></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></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></tr> </tbody> </table> | Start Freq     | Stop Freq | Integ BW       | dBm              | Lower ΔLim(dB) | < Peak > | Upper ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 21.01 | (-11.88) | -1200 k | 21.58 | (-11.31) 1.000 k | 5.625 kHz | 12.50 kHz | 100.0 Hz | -43.52 | (-7.52) | -12.15 k | -44.74 | (-8.19) 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -40.32 | (-20.32) | -12.80 k | -38.98 | (-16.98) 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) | < Peak >  | Upper ΔLim(dB) | Freq (Hz)        |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 21.01   | (-11.88)       | -1200 k   | 21.58          | (-11.31) 1.000 k |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -43.52  | (-7.52)        | -12.15 k  | -44.74         | (-8.19) 12.50 k  |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -40.32  | (-20.32)       | -12.80 k  | -38.98         | (-16.98) 12.90 k |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —   | (—)            | —         | —              | (—) —            |                |          |                |           |        |           |          |       |          |         |       |                  |           |           |          |        |         |          |        |                 |           |           |          |        |          |          |        |                  |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |           |           |           |   |     |   |   |       |  |

## Appendix C:Emission Mask

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |            |           |          |          |           |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
|----------------|-----------------|------------------|--|------------|-----------|----------|----------|-----------|----------|-------|----------|-----------|--------|-----------|----------|-------|----------|----------|-------|----------|-------|-----------|-----------|----------|-------|---------|----------|-------|---------|---------|-----------|-----------|----------|-------|----------|----------|-------|----------|---------|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|-----------|-----------|-----------|---|-----|---|---|-----|---|--|
| TX-DNL         | 4FSK            | CH <sub>L2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask<br/>   R.L. RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:53:24 AM May 24, 2023<br/>   Center Freq 400.100000 MHz Center Freq: 400.100000 MHz Radio Std: None<br/>   PASS Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS<br/>   IFGain:Low #Atten: 40 dB</p> <p>Ref Offset 23 dB<br/>Ref 42.0 dBm</p> <p>Frequency<br/>Center Freq 400.100000 MHz<br/>CF Step 12.000 kHz Auto<br/>Freq Offset 0 Hz</p> <p>Total Power Ref 33.99 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>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>18.92</td> <td>(-18.63)</td> <td>-700.0</td> <td>23.87</td> <td>(-13.67)</td> <td>600.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>39.89</td> <td>(-6.00)</td> <td>-12.50 k</td> <td>34.85</td> <td>(-2.42)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>37.09</td> <td>(-17.09)</td> <td>-12.65 k</td> <td>34.97</td> <td>(-14.97)</td> <td>13.00 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table> <p>msg [File &lt;Temp.png&gt; saved STATUS]</p>     | Start Freq | Stop Freq | Integ BW | dBm      | Lower     | < Peak > | Upper | ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 18.92 | (-18.63) | -700.0   | 23.87 | (-13.67) | 600.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 39.89 | (-6.00) | -12.50 k | 34.85 | (-2.42) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 37.09 | (-17.09) | -12.65 k | 34.97 | (-14.97) | 13.00 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | — | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | — | (—) | — |  |
| Start Freq     | Stop Freq       | Integ BW         | dBm  | Lower      | < Peak >  | Upper    | ΔLim(dB) | Freq (Hz) |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 18.92  | (-18.63)   | -700.0    | 23.87    | (-13.67) | 600.0     |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 39.89  | (-6.00)    | -12.50 k  | 34.85    | (-2.42)  | 12.30 k   |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 37.09  | (-17.09)   | -12.65 k  | 34.97    | (-14.97) | 13.00 k   |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—)      | —         |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—)      | —         |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —  | (—)        | —         | —        | (—)      | —         |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| TX-DNL         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask<br/>   R.L. RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:54:24 AM May 24, 2023<br/>   Center Freq 435.000000 MHz Center Freq: 435.000000 MHz Radio Std: None<br/>   PASS Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS<br/>   IFGain:Low #Atten: 40 dB</p> <p>Ref Offset 23 dB<br/>Ref 42.0 dBm</p> <p>Frequency<br/>Center Freq 435.000000 MHz<br/>CF Step 12.000 kHz Auto<br/>Freq Offset 0 Hz</p> <p>Total Power Ref 33.46 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>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>19.96</td> <td>(-17.65)</td> <td>-200.0</td> <td>21.98</td> <td>(-15.63)</td> <td>550.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>34.11</td> <td>(0.65)</td> <td>-12.45 k</td> <td>35.50</td> <td>(-1.68)</td> <td>12.50 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>34.50</td> <td>(-14.50)</td> <td>-12.90 k</td> <td>34.37</td> <td>(-14.37)</td> <td>12.85 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> <p>msg [File &lt;Temp.png&gt; saved STATUS]</p>     | Start Freq | Stop Freq | Integ BW | dBm      | Lower     | < Peak > | Upper | ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 19.96 | (-17.65) | -200.0   | 21.98 | (-15.63) | 550.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 34.11 | (0.65)  | -12.45 k | 35.50 | (-1.68) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 34.50 | (-14.50) | -12.90 k | 34.37 | (-14.37) | 12.85 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      | < Peak >  | Upper    | ΔLim(dB) | Freq (Hz) |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 19.96  | (-17.65)   | -200.0    | 21.98    | (-15.63) | 550.0     |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 34.11  | (0.65)     | -12.45 k  | 35.50    | (-1.68)  | 12.50 k   |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 34.50  | (-14.50)   | -12.90 k  | 34.37    | (-14.37) | 12.85 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>H2</sub> |  <p>Agilent Spectrum Analyzer - Spectrum Emission Mask<br/>   R.L. RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 09:55:24 AM May 24, 2023<br/>   Center Freq 469.900000 MHz Center Freq: 469.900000 MHz Radio Std: None<br/>   PASS Trig: Free Run Avg: 100.00% of 10 Radio Device: BTS<br/>   IFGain:Low #Atten: 40 dB</p> <p>Ref Offset 23 dB<br/>Ref 42.0 dBm</p> <p>Frequency<br/>Center Freq 469.900000 MHz<br/>CF Step 12.000 kHz Auto<br/>Freq Offset 0 Hz</p> <p>Total Power Ref 32.71 dBm 0.0125 MHz</p> <table border="1"> <thead> <tr> <th>Start Freq</th> <th>Stop Freq</th> <th>Integ BW</th> <th>dBm</th> <th>Lower</th> <th>&lt; Peak &gt;</th> <th>Upper</th> <th>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>19.22</td> <td>(-18.41)</td> <td>-1.100 k</td> <td>23.70</td> <td>(-13.93)</td> <td>500.0</td> </tr> <tr> <td>5.625 kHz</td> <td>12.50 kHz</td> <td>100.0 Hz</td> <td>34.49</td> <td>(-6.68)</td> <td>-12.50 k</td> <td>37.69</td> <td>(-5.53)</td> <td>12.30 k</td> </tr> <tr> <td>12.50 kHz</td> <td>60.00 kHz</td> <td>100.0 Hz</td> <td>30.18</td> <td>(-10.18)</td> <td>-12.50 k</td> <td>35.70</td> <td>(-15.70)</td> <td>13.05 k</td> </tr> <tr> <td>4.000 MHz</td> <td>8.000 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>8.000 MHz</td> <td>12.50 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> <tr> <td>12.50 MHz</td> <td>15.00 MHz</td> <td>1.000 MHz</td> <td>—</td> <td>(—)</td> <td>—</td> <td>—</td> <td>(—)</td> <td>—</td> </tr> </tbody> </table> <p>msg [File &lt;Temp.png&gt; saved STATUS]</p> | Start Freq | Stop Freq | Integ BW | dBm      | Lower     | < Peak > | Upper | ΔLim(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 19.22 | (-18.41) | -1.100 k | 23.70 | (-13.93) | 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 34.49 | (-6.68) | -12.50 k | 37.69 | (-5.53) | 12.30 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 30.18 | (-10.18) | -12.50 k | 35.70 | (-15.70) | 13.05 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      | < Peak >  | Upper    | ΔLim(dB) | Freq (Hz) |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 19.22  | (-18.41)   | -1.100 k  | 23.70    | (-13.93) | 500.0     |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 34.49  | (-6.68)    | -12.50 k  | 37.69    | (-5.53)  | 12.30 k   |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 30.18  | (-10.18)   | -12.50 k  | 35.70    | (-15.70) | 13.05 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        | —  | (—)        | —         | —        | (—)      | —         |          |       |          |           |        |           |          |       |          |          |       |          |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |           |           |           |   |     |   |   |     |   |  |

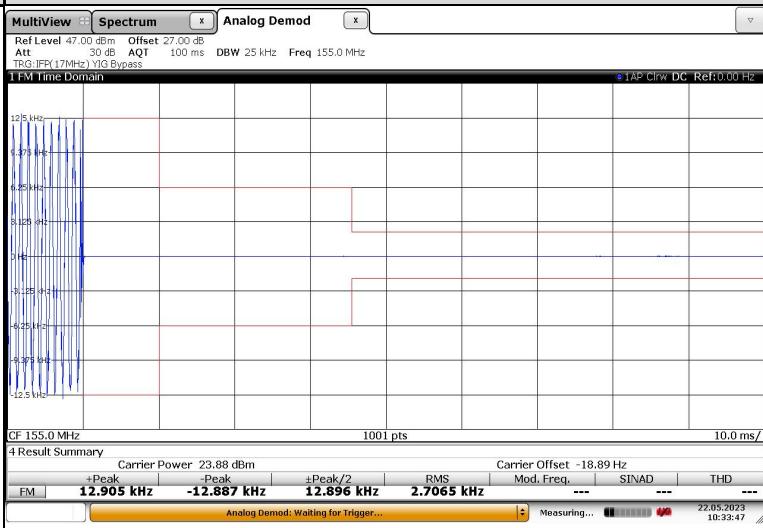
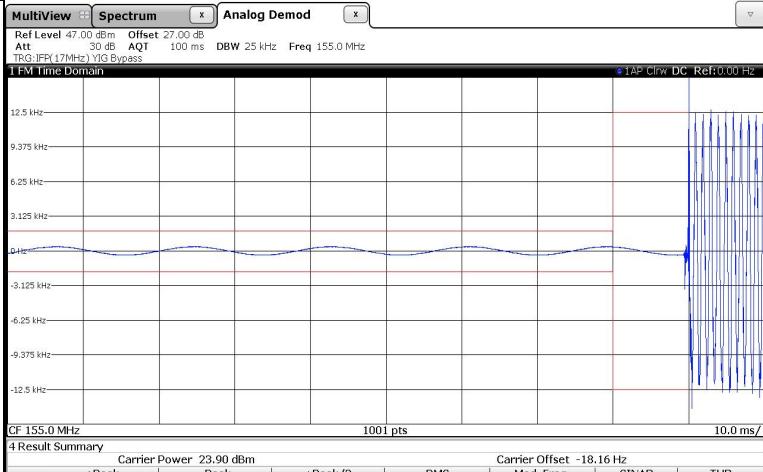
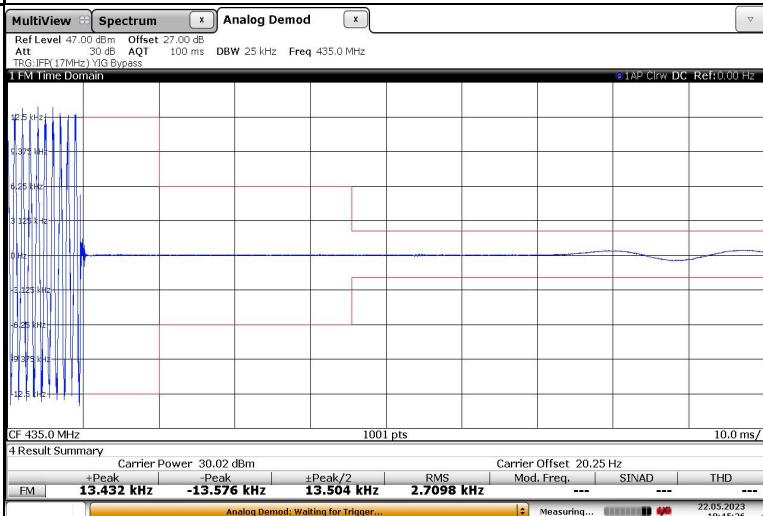
**Appendix D:Frequency Stability Test & Temperature**

| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                  |                  |                  |                  |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>H1</sub> | CH <sub>L2</sub> | CH <sub>M2</sub> | CH <sub>H2</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | -0.839                | -0.677           | -0.812           | -0.371           | -0.347           | -0.355           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | -0.857                | -0.687           | -0.820           | -0.361           | -0.360           | -0.329           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | -0.850                | -0.742           | -0.888           | -0.385           | -0.353           | -0.336           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | -0.839                | -0.711           | -0.850           | -0.364           | -0.361           | -0.346           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | -0.815                | -0.700           | -0.850           | -0.365           | -0.341           | -0.339           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | -0.794                | -0.677           | -0.811           | -0.360           | -0.334           | -0.324           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | -0.850                | -0.713           | -0.854           | -0.369           | -0.344           | -0.351           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | -0.795                | -0.696           | -0.855           | -0.369           | -0.351           | -0.343           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 50          | -0.819                | -0.733           | -0.818           | -0.374           | -0.348           | -0.336           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | -0.826                | -0.719           | -0.919           | -0.362           | -0.346           | -0.332           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | -0.796                | -0.696           | -0.873           | -0.351           | -0.353           | -0.334           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | -0.806                | -0.695           | -0.875           | -0.377           | -0.346           | -0.350           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | -0.804                | -0.736           | -0.886           | -0.373           | -0.346           | -0.327           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | -0.829                | -0.680           | -0.884           | -0.346           | -0.337           | -0.357           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | -0.781                | -0.675           | -0.840           | -0.343           | -0.329           | -0.326           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | -0.843                | -0.676           | -0.860           | -0.349           | -0.329           | -0.355           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | -0.840                | -0.703           | -0.922           | -0.361           | -0.342           | -0.345           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 50          | -0.797                | -0.717           | -0.877           | -0.374           | -0.348           | -0.347           | ±5.0        | PASS   |

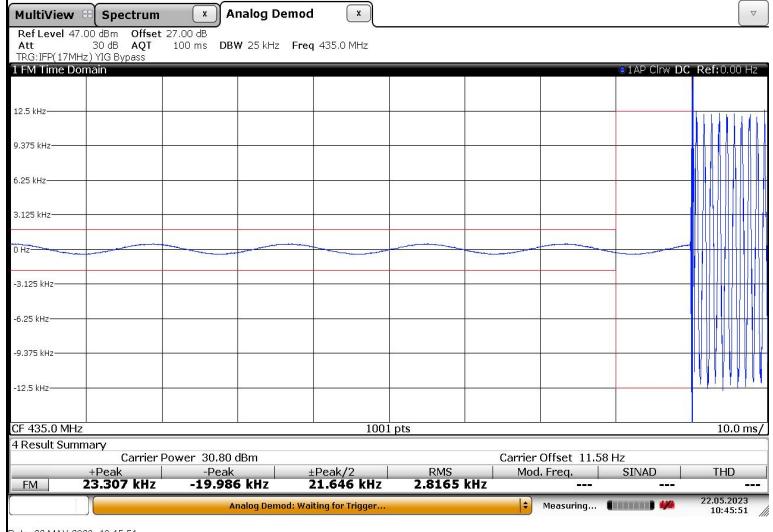
**Appendix E:Frequency Stability Test & Voltage**

| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                  |                  |                  |                  |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>H1</sub> | CH <sub>L2</sub> | CH <sub>M2</sub> | CH <sub>H2</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | -0.794                | -0.677           | -0.811           | -0.360           | -0.334           | -0.324           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.795                | -0.684           | -0.827           | -0.360           | -0.337           | -0.326           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.841                | -0.694           | -0.815           | -0.366           | -0.352           | -0.334           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | -0.781                | -0.675           | -0.840           | -0.343           | -0.329           | -0.326           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | -0.794                | -0.686           | -0.849           | -0.349           | -0.335           | -0.330           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | -0.785                | -0.708           | -0.882           | -0.356           | -0.342           | -0.343           | ±5.0        | PASS   |

## Appendix F:Transmitter Frequency Behavior

| Operation Mode | Modulation Type | Test Channel | TEST PLOT RESULT  |
|----------------|-----------------|--------------|---|
| TX-DNH         | 4FSK            | CHM1         |  <p>MultiView  Spectrum  Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB<br/>Att 30 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHz<br/>TRG:IFP(17MHz) YIG bypass</p> <p>1 FM Time Domain</p> <p>CF 155.0 MHz 1001 pts 10.0 ms /</p> <p>4 Result Summary Carrier Power 23.88 dBm Carrier Offset -18.89 Hz<br/>FM <b>12.905 kHz</b> +Peak -12.887 kHz -Peak <b>12.896 kHz</b> +Peak/2 RMS <b>2.7065 kHz</b> Mod. Freq. SINAD THD<br/>--- --- --- --- ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 22.05.2023 10:33:47</p> <p>Date: 22.MAY.2023 10:33:46</p>  |
| TX-DNH         | 4FSK            | CHM1         |  <p>MultiView  Spectrum  Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB<br/>Att 30 dB AQT 100 ms DBW 25 kHz Freq 155.0 MHz<br/>TRG:IFP(17MHz) YIG bypass</p> <p>1 FM Time Domain</p> <p>CF 155.0 MHz 1001 pts 10.0 ms /</p> <p>4 Result Summary Carrier Power 23.90 dBm Carrier Offset -18.16 Hz<br/>FM <b>19.874 kHz</b> +Peak -14.229 kHz -Peak <b>17.051 kHz</b> +Peak/2 RMS <b>2.7934 kHz</b> Mod. Freq. SINAD THD<br/>--- --- --- --- ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 22.05.2023 10:34:18</p> <p>Date: 22.MAY.2023 10:34:18</p> |
| TX-DNH         | 4FSK            | CHM2         |  <p>MultiView  Spectrum  Analog Demod</p> <p>Ref Level 47.00 dBm Offset 27.00 dB<br/>Att 30 dB AQT 100 ms DBW 25 kHz Freq 435.0 MHz<br/>TRG:IFP(17MHz) YIG bypass</p> <p>1 FM Time Domain</p> <p>CF 435.0 MHz 1001 pts 10.0 ms /</p> <p>4 Result Summary Carrier Power 30.02 dBm Carrier Offset 20.25 Hz<br/>FM <b>13.432 kHz</b> +Peak -13.576 kHz -Peak <b>13.504 kHz</b> +Peak/2 RMS <b>2.7098 kHz</b> Mod. Freq. SINAD THD<br/>--- --- --- --- ---</p> <p>Analog Demod: Waiting for Trigger... Measuring... 22.05.2023 10:45:26</p> <p>Date: 22.MAY.2023 10:45:26</p> |

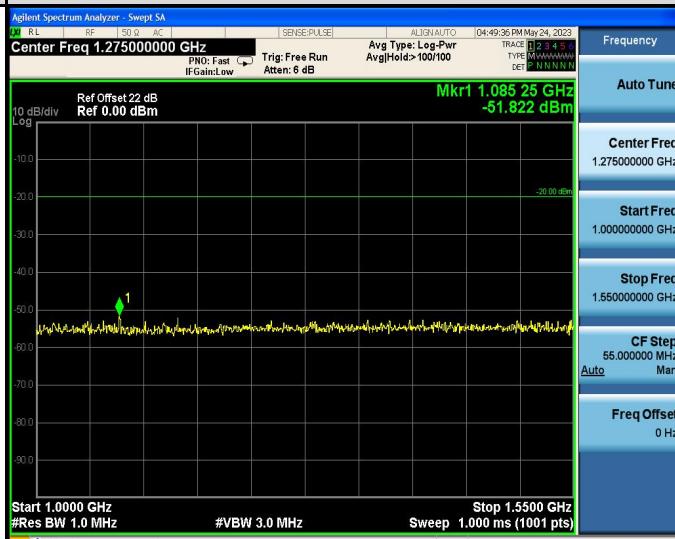
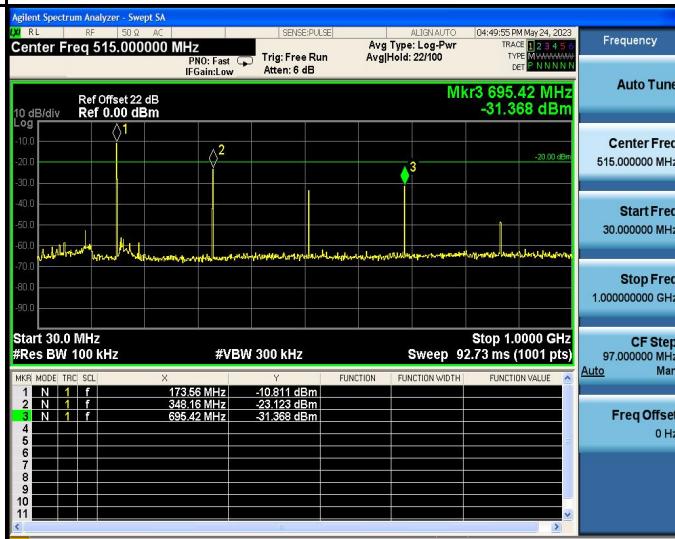
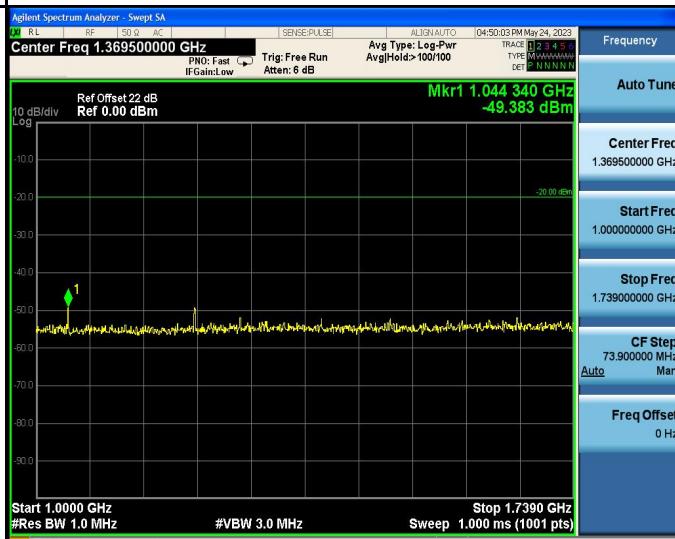
## Appendix F:Transmitter Frequency Behavior

| Operation Mode | Modulation Type   | Test Channel   | TEST PLOT RESULT   |                   |               |                |            |       |     |    |           |          |     |     |     |       |                   |             |                   |                   |     |
|----------------|-------------------|----------------|--|-------------------|---------------|----------------|------------|-------|-----|----|-----------|----------|-----|-----|-----|-------|-------------------|-------------|-------------------|-------------------|-----|
| TX-DNH         | 4FSK              | CHM2           |  <p><b>Result Summary</b></p> <table border="1"> <thead> <tr> <th></th> <th>Carrier Power</th> <th>Carrier Offset</th> <th>Mod. Freq.</th> <th>SINAD</th> <th>THD</th> </tr> </thead> <tbody> <tr> <td>FM</td> <td>30.80 dBm</td> <td>11.58 Hz</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>+Peak</td> <td><b>23.307 kHz</b></td> <td>-19.986 kHz</td> <td><b>21.646 kHz</b></td> <td><b>2.8165 kHz</b></td> <td>RMS</td> </tr> </tbody> </table> <p>Analog Demod: Waiting for Trigger... Measuring... 22.05.2023 10:45:51</p> <p>Date: 22 MAY 2023 10:45:51</p> |                   | Carrier Power | Carrier Offset | Mod. Freq. | SINAD | THD | FM | 30.80 dBm | 11.58 Hz | --- | --- | --- | +Peak | <b>23.307 kHz</b> | -19.986 kHz | <b>21.646 kHz</b> | <b>2.8165 kHz</b> | RMS |
|                | Carrier Power     | Carrier Offset | Mod. Freq.   | SINAD             | THD           |                |            |       |     |    |           |          |     |     |     |       |                   |             |                   |                   |     |
| FM             | 30.80 dBm         | 11.58 Hz       | ---  | ---               | ---           |                |            |       |     |    |           |          |     |     |     |       |                   |             |                   |                   |     |
| +Peak          | <b>23.307 kHz</b> | -19.986 kHz    | <b>21.646 kHz</b>  | <b>2.8165 kHz</b> | RMS           |                |            |       |     |    |           |          |     |     |     |       |                   |             |                   |                   |     |

## Appendix G: Spurious Emission On Antenna Port

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|---|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|-------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>L1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr Avg Hold: 22/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr3 272.50 MHz -28.304 dBm</p> <p>Start 30.00 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr> <tr><td>1 N 1 f</td><td>135.73 MHz</td><td>-15.447 dBm</td><td></td><td></td><td></td></tr> <tr><td>2 N 1 f</td><td>544.12 MHz</td><td>-24.988 dBm</td><td></td><td></td><td></td></tr> <tr><td>N 1 f</td><td>272.50 MHz</td><td>-28.304 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 135.73 MHz | -15.447 dBm |  |  |  | 2 N 1 f | 544.12 MHz | -24.988 dBm |  |  |  | N 1 f | 272.50 MHz | -28.304 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 135.73 MHz      | -15.447 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 544.12 MHz      | -24.988 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 272.50 MHz      | -28.304 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>L1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 1.180500000 GHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr Avg Hold: 100/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr1 1.089 167 GHz -51.785 dBm</p> <p>Start 1.0000 GHz Stop 1.3610 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p>   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>M1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>PNO: Fast IFGainLow Trig: Free Run Avg Type: Log-Pwr Avg Hold: 22/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm</p> <p>Mkr3 464.56 MHz -39.077 dBm</p> <p>Start 30.00 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr> <tr><td>1 N 1 f</td><td>155.13 MHz</td><td>-11.085 dBm</td><td></td><td></td><td></td></tr> <tr><td>2 N 1 f</td><td>619.12 MHz</td><td>-24.198 dBm</td><td></td><td></td><td></td></tr> <tr><td>N 1 f</td><td>465.58 MHz</td><td>-39.077 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <p>MSG STATUS</p>                             | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 155.13 MHz | -11.085 dBm |  |  |  | 2 N 1 f | 619.12 MHz | -24.198 dBm |  |  |  | N 1 f | 465.58 MHz | -39.077 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 155.13 MHz      | -11.085 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 619.12 MHz      | -24.198 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 465.58 MHz      | -39.077 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |

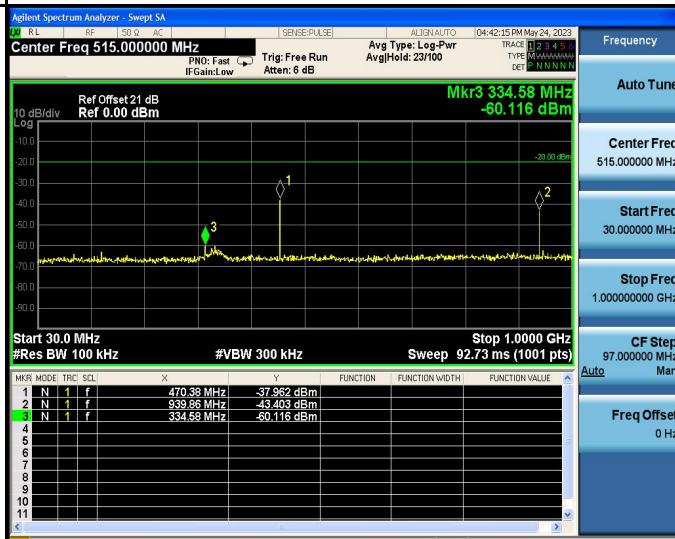
### Appendix G: Spurious Emission On Antenna Port

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|--|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|-------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>M1</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 1.275000000 GHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold&gt;100/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm Mkr1 1.085 25 GHz -51.822 dBm</p> <p>Start 1.0000 GHz Stop 1.5500 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 1.275000000 GHz Start Freq 1.000000000 GHz Stop Freq 1.550000000 GHz CF Step 55.000000 MHz Auto Freq Offset 0 Hz</p>   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>H1</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold: 22/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm Mkr3 695.42 MHz -31.368 dBm</p> <p>Start 30.00 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Freq Offset 0 Hz</p> <table border="1"> <thead> <tr> <th>MKR MODE TRC SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1 N 1 f</td> <td>173.56 MHz</td> <td>-10.811 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 N 1 f</td> <td>349.16 MHz</td> <td>-23.123 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>N 1 f</td> <td>695.42 MHz</td> <td>-31.368 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 173.56 MHz | -10.811 dBm |  |  |  | 2 N 1 f | 349.16 MHz | -23.123 dBm |  |  |  | N 1 f | 695.42 MHz | -31.368 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION   | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 173.56 MHz      | -10.811 dBm      |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 349.16 MHz      | -23.123 dBm      |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 695.42 MHz      | -31.368 dBm      |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>H1</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 1.369500000 GHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold&gt;100/100</p> <p>Ref Offset 22 dB Ref 0.00 dBm Mkr1 1.044 340 GHz -49.383 dBm</p> <p>Start 1.0000 GHz Stop 1.7390 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 1.369500000 GHz Start Freq 1.000000000 GHz Stop Freq 1.739000000 GHz CF Step 73.900000 MHz Auto Freq Offset 0 Hz</p>  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |

## Appendix G:Spurious Emission On Antenna Port

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|---|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|-------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>L2</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low AvgHold: 22/100</p> <p>Atten: 6 dB</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr3 289.96 MHz -48.797 dBm</p> <p>Start 30.0 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr> <tr><td>1 N 1 f</td><td>400.54 MHz</td><td>-11.665 dBm</td><td></td><td></td><td></td></tr> <tr><td>2 N 1 f</td><td>500.54 MHz</td><td>-30.883 dBm</td><td></td><td></td><td></td></tr> <tr><td>N 1 f</td><td>289.96 MHz</td><td>-48.797 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 400.54 MHz | -11.665 dBm |  |  |  | 2 N 1 f | 500.54 MHz | -30.883 dBm |  |  |  | N 1 f | 289.96 MHz | -48.797 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 400.54 MHz      | -11.665 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 500.54 MHz      | -30.883 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 289.96 MHz      | -48.797 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>L2</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.500500000 GHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low AvgHold: 35/100</p> <p>Atten: 6 dB</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.201 GHz -44.725 dBm</p> <p>Start 1.000 GHz Stop 4.001 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p>   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>M2</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low AvgHold: 22/100</p> <p>Atten: 6 dB</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr3 332.64 MHz -59.008 dBm</p> <p>Start 30.0 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <table border="1"> <tr><th>MKR MODE TRC SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr> <tr><td>1 N 1 f</td><td>870.02 MHz</td><td>-34.259 dBm</td><td></td><td></td><td></td></tr> <tr><td>2 N 1 f</td><td>435.46 MHz</td><td>-47.268 dBm</td><td></td><td></td><td></td></tr> <tr><td>N 1 f</td><td>332.64 MHz</td><td>-59.008 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 870.02 MHz | -34.259 dBm |  |  |  | 2 N 1 f | 435.46 MHz | -47.268 dBm |  |  |  | N 1 f | 332.64 MHz | -59.008 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 870.02 MHz      | -34.259 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 435.46 MHz      | -47.268 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 332.64 MHz      | -59.008 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |

## Appendix G:Spurious Emission On Antenna Port

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|---|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|-------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.675000000 GHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold: 33/100</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.740 35 GHz -44.874 dBm</p> <p>Start 1.000 GHz Stop 4.350 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.600 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 2.675000000 GHz Start Freq 1.000000000 GHz Stop Freq 4.350000000 GHz CF Step 335.000000 MHz Auto Freq Offset 0 Hz</p>  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>H2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.0000000 MHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold: 23/100</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr3 334.58 MHz -60.116 dBm</p> <p>Start 30.000 MHz Stop 1.0000 GHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 515.000000 MHz Start Freq 30.000000 MHz Stop Freq 1.000000000 GHz CF Step 97.000000 MHz Auto Freq Offset 0 Hz</p> <table border="1"> <thead> <tr> <th>MKR MODE TRC SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1 N 1 f</td> <td>470.38 MHz</td> <td>-37.952 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2 N 1 f</td> <td>939.55 MHz</td> <td>-43.404 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>N 1 f</td> <td>334.58 MHz</td> <td>-60.116 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 470.38 MHz | -37.952 dBm |  |  |  | 2 N 1 f | 939.55 MHz | -43.404 dBm |  |  |  | N 1 f | 334.58 MHz | -60.116 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 470.38 MHz      | -37.952 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 939.55 MHz      | -43.404 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| N 1 f            | 334.58 MHz      | -60.116 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>H2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.849500000 GHz</p> <p>PNO: Fast Trig: Free Run Avg Type: Log-Pwr</p> <p>IFGain:Low Atten: 6 dB Avg Hold: 33/100</p> <p>Ref Offset 21 dB Ref 0.00 dBm Mkr1 1.411 GHz -35.568 dBm</p> <p>Start 1.000 GHz Stop 4.699 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 6.200 ms (1001 pts)</p> <p>MSG File &lt;Temp.png&gt; saved STATUS</p> <p>Frequency Auto Tune Center Freq 2.849500000 GHz Start Freq 1.000000000 GHz Stop Freq 4.699000000 GHz CF Step 369.900000 MHz Auto Freq Offset 0 Hz</p>   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |       |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |

----End of Report----