



## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT  |                |           |          |                |                |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
|----------------|-----------------|------------------|---|----------------|-----------|----------|----------------|----------------|-----------|----------|----------------|-----------|--------|-----------|----------|-------|----------|-------|-------|---------|-------|-----------|-----------|----------|-------|---------|----------|-------|---------|---------|-----------|-----------|----------|-------|----------|----------|-------|----------|---------|-----------|-----------|-----------|----|------|----|----|------|----|-----------|-----------|-----------|----|------|----|----|------|----|-----------|-----------|-----------|----|------|----|----|------|----|
| TX-DNL         | 4FSK            | CH <sub>M1</sub> | <table border="1"><caption>Total Power Ref 29.08 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</th><th>Upper ΔLIM(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.31</td><td>(-2.41)</td><td>0.0</td><td>29.43</td><td>(-1.29)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>40.83</td><td>(-0.11)</td><td>-12.50 k</td><td>43.36</td><td>(-2.63)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>43.08</td><td>(-23.08)</td><td>-12.60 k</td><td>42.24</td><td>(-22.24)</td><td>12.60 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table>   | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 28.31 | (-2.41)  | 0.0   | 29.43 | (-1.29) | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 40.83 | (-0.11) | -12.50 k | 43.36 | (-2.63) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 43.08 | (-23.08) | -12.60 k | 42.24 | (-22.24) | 12.60 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 8.000 MHz | 12.50 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 12.50 MHz | 15.00 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.31   | (-2.41)        | 0.0       | 29.43    | (-1.29)        | 50.00          |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 40.83   | (-0.11)        | -12.50 k  | 43.36    | (-2.63)        | 12.50 k        |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 43.08   | (-23.08)       | -12.60 k  | 42.24    | (-22.24)       | 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-DNL         | 4FSK            | CH <sub>M1</sub> | <table border="1"><caption>Total Power Ref 32.64 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</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>18.25</td><td>(-12.47)</td><td>200.0</td><td>21.94</td><td>(8.77)</td><td>900.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>43.26</td><td>(-2.54)</td><td>-12.50 k</td><td>43.43</td><td>(-3.43)</td><td>12.40 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>41.81</td><td>(-21.81)</td><td>-13.25 k</td><td>40.58</td><td>(-20.58)</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> | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 18.25 | (-12.47) | 200.0 | 21.94 | (8.77)  | 900.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 43.26 | (-2.54) | -12.50 k | 43.43 | (-3.43) | 12.40 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 41.81 | (-21.81) | -13.25 k | 40.58 | (-20.58) | 13.00 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 8.000 MHz | 12.50 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 12.50 MHz | 15.00 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 18.25   | (-12.47)       | 200.0     | 21.94    | (8.77)         | 900.0          |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 43.26   | (-2.54)        | -12.50 k  | 43.43    | (-3.43)        | 12.40 k        |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 41.81   | (-21.81)       | -13.25 k  | 40.58    | (-20.58)       | 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> | <table border="1"><caption>Total Power Ref 28.88 dBm 0.0125 MHz</caption><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dBm</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</th><th>&lt; Peak &gt;</th><th>Upper ΔLIM(dB)</th><th>Freq (Hz)</th></tr></thead><tbody><tr><td>0.0 Hz</td><td>5.625 kHz</td><td>100.0 Hz</td><td>28.93</td><td>(-1.73)</td><td>0.0</td><td>28.93</td><td>(-1.73)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>45.69</td><td>(-8.19)</td><td>-12.05 k</td><td>46.27</td><td>(-8.41)</td><td>12.10 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>43.28</td><td>(-23.28)</td><td>-17.00 k</td><td>43.69</td><td>(-23.69)</td><td>13.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>--</td><td>(--)</td><td>--</td><td>--</td><td>(--)</td><td>--</td></tr></tbody></table>     | Start Freq     | Stop Freq | Integ BW | dBm            | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 28.93 | (-1.73)  | 0.0   | 28.93 | (-1.73) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | 45.69 | (-8.19) | -12.05 k | 46.27 | (-8.41) | 12.10 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 43.28 | (-23.28) | -17.00 k | 43.69 | (-23.69) | 13.55 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 8.000 MHz | 12.50 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- | 12.50 MHz | 15.00 MHz | 1.000 MHz | -- | (--) | -- | -- | (--) | -- |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 28.93   | (-1.73)        | 0.0       | 28.93    | (-1.73)        | 0.0            |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 45.69   | (-8.19)        | -12.05 k  | 46.27    | (-8.41)        | 12.10 k        |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 43.28   | (-23.28)       | -17.00 k  | 43.69    | (-23.69)       | 13.55 k        |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | --  | (--)           | --        | --       | (--)           | --             |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | --  | (--)           | --        | --       | (--)           | --             |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | --  | (--)           | --        | --       | (--)           | --             |           |          |                |           |        |           |          |       |          |       |       |         |       |           |           |          |       |         |          |       |         |         |           |           |          |       |          |          |       |          |         |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |           |           |           |    |      |    |    |      |    |



## Appendix C:Emission Mask For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |                |           |          |                |                |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
|----------------|-----------------|------------------|--|----------------|-----------|----------|----------------|----------------|-----------|----------|----------------|-----------|--------|-----------|----------|-------|----------|--------|-------|---------|-------|-----------|-----------|----------|--------|---------|----------|--------|---------|---------|-----------|-----------|----------|--------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|-----|-----|---|-----------|-----------|-----------|---|-----|---|-----|-----|---|-----------|-----------|-----------|---|-----|---|-----|-----|---|
| TX-DNL         | 4FSK            | CH <sub>M2</sub> | <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 406.112500 MHz</p> <p>Total Power Ref 32.67 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</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>20.73</td><td>(-9.94)</td><td>0.0</td><td>22.15</td><td>(8.51)</td><td>50.00</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-42.93</td><td>(-2.16)</td><td>-12.50 k</td><td>-44.42</td><td>(-3.64)</td><td>12.50 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-42.59</td><td>(-22.59)</td><td>-15.25 k</td><td>-42.12</td><td>(-22.12)</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>      | Start Freq     | Stop Freq | Integ BW | dEIRP          | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 20.73 | (-9.94)  | 0.0    | 22.15 | (8.51)  | 50.00 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -42.93 | (-2.16) | -12.50 k | -44.42 | (-3.64) | 12.50 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -42.59 | (-22.59) | -15.25 k | -42.12 | (-22.12) | 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         | dEIRP  | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 20.73  | (-9.94)        | 0.0       | 22.15    | (8.51)         | 50.00          |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -42.93   | (-2.16)        | -12.50 k  | -44.42   | (-3.64)        | 12.50 k        |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -42.59   | (-22.59)       | -15.25 k  | -42.12   | (-22.12)       | 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        | —  | (—)            | —         | (—)      | (—)            | —              |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| TX-DNL         | 4FSK            | CH <sub>M3</sub> | <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Total Power Ref 22.13 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</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>22.23</td><td>(-1.39)</td><td>0.0</td><td>22.23</td><td>(-1.36)</td><td>0.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-46.39</td><td>(-2.91)</td><td>-11.90 k</td><td>-45.74</td><td>(-3.35)</td><td>11.75 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-45.01</td><td>(-25.01)</td><td>-14.30 k</td><td>-46.71</td><td>(-26.71)</td><td>20.55 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr></tbody></table>       | Start Freq     | Stop Freq | Integ BW | dEIRP          | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 22.23 | (-1.39)  | 0.0    | 22.23 | (-1.36) | 0.0   | 5.625 kHz | 12.50 kHz | 100.0 Hz | -46.39 | (-2.91) | -11.90 k | -45.74 | (-3.35) | 11.75 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -45.01 | (-25.01) | -14.30 k | -46.71 | (-26.71) | 20.55 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dEIRP  | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 22.23  | (-1.39)        | 0.0       | 22.23    | (-1.36)        | 0.0            |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -46.39   | (-2.91)        | -11.90 k  | -45.74   | (-3.35)        | 11.75 k        |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -45.01   | (-25.01)       | -14.30 k  | -46.71   | (-26.71)       | 20.55 k        |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —  | (—)            | —         | (—)      | (—)            | —              |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —  | (—)            | —         | (—)      | (—)            | —              |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —  | (—)            | —         | (—)      | (—)            | —              |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| TX-DNL         | 4FSK            | CH <sub>M3</sub> | <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 438.012500 MHz</p> <p>Total Power Ref 25.66 dBm 0.0125 MHz</p> <table border="1"><thead><tr><th>Start Freq</th><th>Stop Freq</th><th>Integ BW</th><th>dEIRP</th><th>Lower ΔLIM(dB)</th><th>Freq (Hz)</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>13.33</td><td>(-10.26)</td><td>-400.0</td><td>15.92</td><td>(-7.67)</td><td>400.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>-47.15</td><td>(-0.76)</td><td>-12.30 k</td><td>-48.81</td><td>(-2.05)</td><td>12.35 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>-44.48</td><td>(-24.48)</td><td>-15.25 k</td><td>-44.97</td><td>(-24.97)</td><td>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><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> | Start Freq     | Stop Freq | Integ BW | dEIRP          | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz) | 0.0 Hz | 5.625 kHz | 100.0 Hz | 13.33 | (-10.26) | -400.0 | 15.92 | (-7.67) | 400.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | -47.15 | (-0.76) | -12.30 k | -48.81 | (-2.05) | 12.35 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | -44.48 | (-24.48) | -15.25 k | -44.97 | (-24.97) | 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 | — | (—) | — | (—) | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dEIRP  | Lower ΔLIM(dB) | Freq (Hz) | < Peak > | Upper ΔLIM(dB) | Freq (Hz)      |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 13.33  | (-10.26)       | -400.0    | 15.92    | (-7.67)        | 400.0          |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | -47.15   | (-0.76)        | -12.30 k  | -48.81   | (-2.05)        | 12.35 k        |           |          |                |           |        |           |          |       |          |        |       |         |       |           |           |          |        |         |          |        |         |         |           |           |          |        |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | -44.48   | (-24.48)       | -15.25 k  | -44.97   | (-24.97)       | 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 For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT  |                |           |                |           |                |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
|----------------|-----------------|------------------|---|----------------|-----------|----------------|-----------|----------------|----------|----------------|-----------|--------|-----------|----------|-------|----------|--------|--------|----------|-------|-----------|-----------|----------|-------|---------|----------|--------|---------|---------|-----------|-----------|----------|-------|----------|----------|--------|----------|---------|-----------|-----------|-----------|---|-----|---|-----|-----|---|-----------|-----------|-----------|---|-----|---|-----|-----|---|-----------|-----------|-----------|---|-----|---|-----|-----|---|
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>PASS</p> <p>Ref Offset 37 dB<br/>Ref 28.0 dBm</p> <p>Total Power Ref 22.25 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 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>22.33</td><td>(-2.02)</td><td>-350.0</td><td>-18.28</td><td>(-42.64)</td><td>500.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>48.30</td><td>(-2.31)</td><td>-12.35 k</td><td>-47.04</td><td>(-2.50)</td><td>12.15 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>46.31</td><td>(-26.31)</td><td>-16.65 k</td><td>-46.33</td><td>(-26.33)</td><td>39.95 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr></tbody></table> <p>File &lt;MASK D state&gt; recalled</p> <p>File &lt;Temp.png&gt; saved</p> | 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 | 22.33 | (-2.02)  | -350.0 | -18.28 | (-42.64) | 500.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 48.30 | (-2.31) | -12.35 k | -47.04 | (-2.50) | 12.15 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 46.31 | (-26.31) | -16.65 k | -46.33 | (-26.33) | 39.95 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLIM(dB) | < Peak >  | Upper ΔLIM(dB) | Freq (Hz) |                |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 22.33   | (-2.02)        | -350.0    | -18.28         | (-42.64)  | 500.0          |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 48.30   | (-2.31)        | -12.35 k  | -47.04         | (-2.50)   | 12.15 k        |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 46.31   | (-26.31)       | -16.65 k  | -46.33         | (-26.33)  | 39.95 k        |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| TX-DNL         | 4FSK            | CH <sub>H1</sub> | <p>Agilent Spectrum Analyzer - Spectrum Emission Mask</p> <p>Center Freq 469.987500 MHz</p> <p>PASS</p> <p>Ref Offset 37 dB<br/>Ref 28.0 dBm</p> <p>Total Power Ref 25.04 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 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>12.08</td><td>(-12.29)</td><td>450.0</td><td>16.59</td><td>(-7.77)</td><td>350.0</td></tr><tr><td>5.625 kHz</td><td>12.50 kHz</td><td>100.0 Hz</td><td>45.94</td><td>(-2.49)</td><td>-12.00 k</td><td>-49.12</td><td>(-2.41)</td><td>12.45 k</td></tr><tr><td>12.50 kHz</td><td>60.00 kHz</td><td>100.0 Hz</td><td>45.13</td><td>(-25.13)</td><td>58.30 k</td><td>-46.74</td><td>(-26.74)</td><td>17.45 k</td></tr><tr><td>4.000 MHz</td><td>8.000 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>8.000 MHz</td><td>12.50 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr><tr><td>12.50 MHz</td><td>15.00 MHz</td><td>1.000 MHz</td><td>—</td><td>(—)</td><td>—</td><td>(—)</td><td>(—)</td><td>—</td></tr></tbody></table> <p>File &lt;MASK D state&gt; recalled</p> <p>File &lt;Temp.png&gt; saved</p>    | 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 | 12.08 | (-12.29) | 450.0  | 16.59  | (-7.77)  | 350.0 | 5.625 kHz | 12.50 kHz | 100.0 Hz | 45.94 | (-2.49) | -12.00 k | -49.12 | (-2.41) | 12.45 k | 12.50 kHz | 60.00 kHz | 100.0 Hz | 45.13 | (-25.13) | 58.30 k  | -46.74 | (-26.74) | 17.45 k | 4.000 MHz | 8.000 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 8.000 MHz | 12.50 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — | 12.50 MHz | 15.00 MHz | 1.000 MHz | — | (—) | — | (—) | (—) | — |
| Start Freq     | Stop Freq       | Integ BW         | dBm   | Lower ΔLIM(dB) | < Peak >  | Upper ΔLIM(dB) | Freq (Hz) |                |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 0.0 Hz         | 5.625 kHz       | 100.0 Hz         | 12.08   | (-12.29)       | 450.0     | 16.59          | (-7.77)   | 350.0          |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 5.625 kHz      | 12.50 kHz       | 100.0 Hz         | 45.94   | (-2.49)        | -12.00 k  | -49.12         | (-2.41)   | 12.45 k        |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 kHz      | 60.00 kHz       | 100.0 Hz         | 45.13   | (-25.13)       | 58.30 k   | -46.74         | (-26.74)  | 17.45 k        |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 4.000 MHz      | 8.000 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 8.000 MHz      | 12.50 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |
| 12.50 MHz      | 15.00 MHz       | 1.000 MHz        | —   | (—)            | —         | (—)            | (—)       | —              |          |                |           |        |           |          |       |          |        |        |          |       |           |           |          |       |         |          |        |         |         |           |           |          |       |          |          |        |          |         |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |           |           |           |   |     |   |     |     |   |

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

| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                 |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|-----------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | 0.062                 | 0.077           | <b>0.128</b>    | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | 0.053                 | 0.066           | 0.117           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | 0.041                 | 0.048           | 0.098           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | 0.030                 | 0.041           | 0.081           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | 0.017                 | 0.021           | 0.067           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | 0.013                 | 0.016           | 0.048           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | 0.021                 | 0.025           | 0.077           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | 0.043                 | 0.049           | 0.097           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 55          | 0.044                 | 0.055           | 0.111           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | 0.050                 | 0.082           | 0.114           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | 0.040                 | 0.066           | 0.090           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | 0.035                 | 0.064           | 0.087           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | 0.026                 | 0.078           | 0.063           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | 0.019                 | 0.046           | 0.046           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | 0.008                 | 0.023           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | 0.017                 | 0.055           | 0.043           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | 0.028                 | 0.055           | 0.066           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 55          | 0.041                 | 0.071           | 0.103           | ±5.0        | PASS   |

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

| Operation Mode | Modulation Type | Test Conditions |             | Frequency error (ppm) |                  |                  |                  |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|-------------|-----------------------|------------------|------------------|------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>M2</sub> | CH <sub>M3</sub> | CH <sub>H1</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -30         | 0.139                 | 0.139            | 0.119            | 0.138            | 0.167            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -20         | 0.131                 | 0.132            | 0.110            | 0.127            | 0.155            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | -10         | 0.123                 | 0.122            | 0.106            | 0.118            | 0.151            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 0           | 0.103                 | 0.103            | 0.090            | 0.106            | 0.135            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 10          | 0.092                 | 0.087            | 0.080            | 0.089            | 0.110            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 20          | 0.085                 | 0.085            | 0.075            | 0.085            | 0.105            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 30          | 0.107                 | 0.109            | 0.094            | 0.102            | 0.137            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 40          | 0.113                 | 0.111            | 0.098            | 0.116            | 0.141            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | 55          | 0.128                 | 0.119            | 0.107            | 0.122            | 0.152            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -30         | 0.141                 | 0.156            | 0.185            | 0.140            | 0.125            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -20         | 0.137                 | 0.141            | 0.176            | 0.136            | 0.115            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | -10         | 0.135                 | 0.143            | 0.175            | 0.131            | 0.118            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 0           | 0.113                 | 0.124            | 0.146            | 0.111            | 0.098            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 10          | 0.094                 | 0.105            | 0.124            | 0.086            | 0.081            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 20          | 0.087                 | 0.096            | 0.115            | 0.085            | 0.078            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 30          | 0.094                 | 0.105            | 0.125            | 0.089            | 0.082            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 40          | 0.117                 | 0.130            | 0.150            | 0.116            | 0.108            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | 55          | 0.135                 | 0.147            | 0.176            | 0.135            | 0.117            | ±5.0        | PASS   |

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

| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                 |                 | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|-----------------|-----------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L</sub>       | CH <sub>M</sub> | CH <sub>H</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.013                 | 0.016           | 0.048           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.026                 | 0.031           | 0.068           | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.021                 | 0.032           | <b>0.069</b>    | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.008                 | 0.023           | 0.019           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.015                 | <b>0.036</b>    | 0.027           | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.010                 | 0.032           | 0.021           | ±5.0        | PASS   |

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

| Operation Mode | Modulation Type | Test Conditions |                | Frequency error (ppm) |                  |                  |                  |                  | Limit (ppm) | Result |
|----------------|-----------------|-----------------|----------------|-----------------------|------------------|------------------|------------------|------------------|-------------|--------|
|                |                 | Voltage         | Temperature    | CH <sub>L1</sub>      | CH <sub>M1</sub> | CH <sub>M2</sub> | CH <sub>M3</sub> | CH <sub>H1</sub> |             |        |
| TX-DNH         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.085                 | 0.085            | 0.075            | 0.085            | 0.105            | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.113                 | 0.117            | 0.102            | 0.108            | <b>0.143</b>     | ±5.0        | PASS   |
| TX-DNH         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.118                 | 0.090            | 0.078            | 0.088            | 0.110            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>N</sub>  | T <sub>N</sub> | 0.087                 | 0.096            | 0.115            | 0.085            | 0.078            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>L</sub>  | T <sub>N</sub> | 0.121                 | 0.126            | <b>0.150</b>     | 0.115            | 0.112            | ±5.0        | PASS   |
| TX-DNL         | 4FSK            | V <sub>H</sub>  | T <sub>N</sub> | 0.100                 | 0.115            | 0.139            | 0.099            | 0.091            | ±5.0        | PASS   |



## Appendix H:Transmitter Frequency Behavior For VHF Band

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT   |            |            |         |     |            |       |     |    |            |             |            |            |            |     |
|----------------|-----------------|-----------------|--|------------|------------|---------|-----|------------|-------|-----|----|------------|-------------|------------|------------|------------|-----|
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <p>CF 155.0125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 36.84 dBm Carrier Offset 10.36 Hz</p> <table border="1"><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>12.187 kHz</td><td>-12.17 kHz</td><td>12.178 kHz</td><td>8.6403 kHz</td><td>1.0369 kHz</td><td>---</td></tr></table> <p>31.10.2018 14:46:22</p> <p>Analog Demod: Waiting for Trigger... Measuring... 31.10.2018 14:46:22</p> | +Peak      | -Peak      | +Peak/2 | RMS | Mod. Freq. | SINAD | THD | FM | 12.187 kHz | -12.17 kHz  | 12.178 kHz | 8.6403 kHz | 1.0369 kHz | --- |
| +Peak          | -Peak           | +Peak/2         | RMS  | Mod. Freq. | SINAD      | THD     |     |            |       |     |    |            |             |            |            |            |     |
| FM             | 12.187 kHz      | -12.17 kHz      | 12.178 kHz   | 8.6403 kHz | 1.0369 kHz | ---     |     |            |       |     |    |            |             |            |            |            |     |
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <p>CF 155.0125 MHz 1001 pts 10.0 ms/</p> <p>4 Result Summary Carrier Power 37.61 dBm Carrier Offset 16.51 Hz</p> <table border="1"><tr><td>+Peak</td><td>-Peak</td><td>+Peak/2</td><td>RMS</td><td>Mod. Freq.</td><td>SINAD</td><td>THD</td></tr><tr><td>FM</td><td>12.936 kHz</td><td>-12.816 kHz</td><td>12.876 kHz</td><td>2.742 kHz</td><td>---</td><td>---</td></tr></table> <p>31.10.2018 14:52:52</p> <p>Analog Demod: Waiting for Trigger... Measuring... 31.10.2018 14:52:52</p>        | +Peak      | -Peak      | +Peak/2 | RMS | Mod. Freq. | SINAD | THD | FM | 12.936 kHz | -12.816 kHz | 12.876 kHz | 2.742 kHz  | ---        | --- |
| +Peak          | -Peak           | +Peak/2         | RMS  | Mod. Freq. | SINAD      | THD     |     |            |       |     |    |            |             |            |            |            |     |
| FM             | 12.936 kHz      | -12.816 kHz     | 12.876 kHz   | 2.742 kHz  | ---        | ---     |     |            |       |     |    |            |             |            |            |            |     |



## Appendix H:Transmitter Frequency Behavior For UHF Band

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |               |            |                |            |            |            |       |             |         |            |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|-----------------|------------------|--|---------------|------------|----------------|------------|------------|------------|-------|-------------|---------|------------|-----|------------|------------|------------|-------|-----|-----|-----|----|------------|--|--|--|--|--|--|--|--|--|--|--|--|
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <p><b>Result Summary:</b></p> <table border="1"><tr><td>Carrier Power</td><td>32.59 dBm</td><td>Carrier Offset</td><td>103.26 Hz</td></tr><tr><td>+Peak</td><td>12.246 kHz</td><td>-Peak</td><td>-15.677 kHz</td><td>+Peak/2</td><td>13.961 kHz</td><td>RMS</td><td>2.7628 kHz</td><td>Mod. Freq.</td><td>---</td><td>SINAD</td><td>---</td><td>THD</td><td>---</td></tr><tr><td>FM</td><td>12.246 kHz</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Date: 31.OCT.2018 14:38:53</p> <p style="text-align: right;">OFF~ON</p>        | Carrier Power | 32.59 dBm  | Carrier Offset | 103.26 Hz  | +Peak      | 12.246 kHz | -Peak | -15.677 kHz | +Peak/2 | 13.961 kHz | RMS | 2.7628 kHz | Mod. Freq. | ---        | SINAD | --- | THD | --- | FM | 12.246 kHz |  |  |  |  |  |  |  |  |  |  |  |  |
| Carrier Power  | 32.59 dBm       | Carrier Offset   | 103.26 Hz  |               |            |                |            |            |            |       |             |         |            |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
| +Peak          | 12.246 kHz      | -Peak            | -15.677 kHz  | +Peak/2       | 13.961 kHz | RMS            | 2.7628 kHz | Mod. Freq. | ---        | SINAD | ---         | THD     | ---        |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
| FM             | 12.246 kHz      |                  |  |               |            |                |            |            |            |       |             |         |            |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> | <p><b>Result Summary:</b></p> <table border="1"><tr><td>Carrier Power</td><td>32.65 dBm</td><td>Carrier Offset</td><td>-18.89 Hz</td></tr><tr><td>+Peak</td><td>12.781 kHz</td><td>-Peak</td><td>-12.824 kHz</td><td>+Peak/2</td><td>12.802 kHz</td><td>RMS</td><td>8.7227 kHz</td><td>Mod. Freq.</td><td>1.0255 kHz</td><td>SINAD</td><td>---</td><td>THD</td><td>---</td></tr><tr><td>FM</td><td>12.781 kHz</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> <p>Date: 31.OCT.2018 14:49:49</p> <p style="text-align: right;">ON-OFF</p> | Carrier Power | 32.65 dBm  | Carrier Offset | -18.89 Hz  | +Peak      | 12.781 kHz | -Peak | -12.824 kHz | +Peak/2 | 12.802 kHz | RMS | 8.7227 kHz | Mod. Freq. | 1.0255 kHz | SINAD | --- | THD | --- | FM | 12.781 kHz |  |  |  |  |  |  |  |  |  |  |  |  |
| Carrier Power  | 32.65 dBm       | Carrier Offset   | -18.89 Hz  |               |            |                |            |            |            |       |             |         |            |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
| +Peak          | 12.781 kHz      | -Peak            | -12.824 kHz  | +Peak/2       | 12.802 kHz | RMS            | 8.7227 kHz | Mod. Freq. | 1.0255 kHz | SINAD | ---         | THD     | ---        |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |
| FM             | 12.781 kHz      |                  |  |               |            |                |            |            |            |       |             |         |            |     |            |            |            |       |     |     |     |    |            |  |  |  |  |  |  |  |  |  |  |  |  |



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

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT   |
|----------------|-----------------|-----------------|--|
| TX-DNH         | 4FSK            | CH <sub>L</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 515.000000 MHz<br/>Start 30.000 MHz Stop 1.0000 GHz<br/>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)<br/>Mkr MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 135.73 MHz -47.068 dBm<br/>2 N 1 f 408.50 MHz -58.535 dBm<br/>3 N 1 f 272.50 MHz -58.860 dBm<br/>4 5 6 7 8 9 10 11<br/>MSO File &lt;Temp.png&gt; saved STATUS</p> <p>Mkr3 272.50 MHz -58.860 dBm</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> <p>30MHz~1GHz</p>             |
| TX-DNH         | 4FSK            | CH <sub>L</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 1.180062500 GHz<br/>Start 1.0000 GHz Stop 1.3601 GHz<br/>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)<br/>Mkr MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 135.73 MHz -47.068 dBm<br/>2 N 1 f 408.50 MHz -58.535 dBm<br/>3 N 1 f 1.3511 GHz -54.701 dBm<br/>4 5 6 7 8 9 10 11<br/>MSO File &lt;Temp.png&gt; saved STATUS</p> <p>Mkr1 1.3511 GHz -54.701 dBm</p> <p>Frequency Auto Tune Center Freq 1.180062500 GHz Start Freq 1.000000000 GHz Stop Freq 1.360125000 GHz CF Step 36.012500 MHz Auto Freq Offset 0 Hz</p> <p>1GHz~10th Harmonic</p> |
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 515.000000 MHz<br/>Start 30.000 MHz Stop 1.0000 GHz<br/>#Res BW 100 kHz #VBW 300 kHz Sweep 92.73 ms (1001 pts)<br/>Mkr MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE<br/>1 N 1 f 155.13 MHz -41.290 dBm<br/>2 N 1 f 102.75 MHz -61.292 dBm<br/>3 N 1 f 102.75 MHz -61.292 dBm<br/>4 5 6 7 8 9 10 11<br/>MSO No Peak Found STATUS</p> <p>Mkr3 102.75 MHz -61.292 dBm</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> <p>30MHz~1GHz</p>                           |



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

| Operation Mode | Modulation Type | Test Channel    | TEST PLOT RESULT  |
|----------------|-----------------|-----------------|---|
| TX-DNH         | 4FSK            | CH <sub>M</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 1.275062500 GHz<br/>Ref Offset 19 dB<br/>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.5501 GHz Sweep 1.000 ms (1001 pts)<br/>Mkr1 1.324 0 GHz -55.856 dBm</p> <p>Frequency<br/>Auto Tune<br/>Center Freq 1.275062500 GHz<br/>Start Freq 1.000000000 GHz<br/>Stop Freq 1.550125000 GHz<br/>CF Step 55.012500 MHz Auto<br/>Freq Offset 0 Hz</p> <p>1GHz~10th Harmonic</p> |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 515.0000000 MHz<br/>Ref Offset 19 dB<br/>Start 30.000 MHz #Res BW 100 kHz #VBW 300 kHz Stop 1.0000 GHz Sweep 92.73 ms (1001 pts)<br/>Mkr3 233.70 MHz -45.319 dBm</p> <p>Frequency<br/>Auto Tune<br/>Center Freq 515.0000000 MHz<br/>Start Freq 30.0000000 MHz<br/>Stop Freq 1.000000000 GHz<br/>CF Step 97.0000000 MHz Auto<br/>Freq Offset 0 Hz</p> <p>30MHz~1GHz</p>          |
| TX-DNH         | 4FSK            | CH <sub>H</sub> | <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 1.369937500 GHz<br/>Ref Offset 19 dB<br/>Start 1.0000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz Stop 1.7399 GHz Sweep 1.000 ms (1001 pts)<br/>Mkr1 1.689 6 GHz -55.656 dBm</p> <p>Frequency<br/>Auto Tune<br/>Center Freq 1.369937500 GHz<br/>Start Freq 1.000000000 GHz<br/>Stop Freq 1.739875000 GHz<br/>CF Step 73.987500 MHz Auto<br/>Freq Offset 0 Hz</p> <p>1GHz~10th Harmonic</p> |

----End of Report----

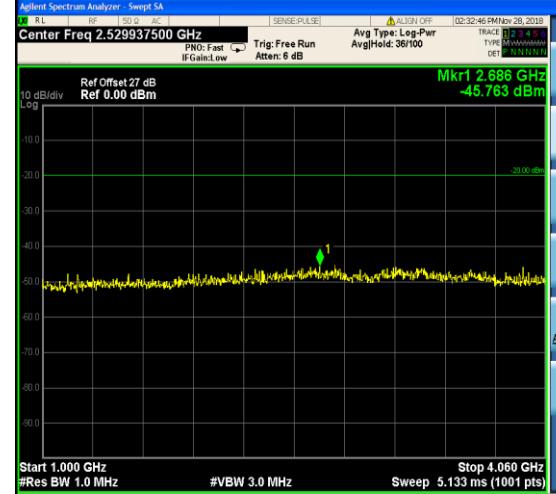
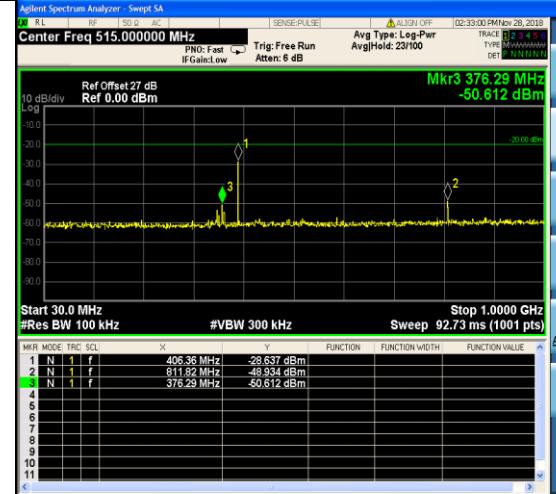


## Appendix I:Spurious Emission On Antenna Port For UHF Band

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|---|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>L1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</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>Mkr3 800.18 MHz -47.963 dBm</p> <p>Marker Data:</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>399.57 MHz</td><td>-20.050 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>370.47 MHz</td><td>-47.949 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>800.18 MHz</td><td>-47.963 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> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>30MHz~1GHz</p> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 399.57 MHz | -20.050 dBm |  |  |  | 2 N 1 f | 370.47 MHz | -47.949 dBm |  |  |  | 3 N 1 f | 800.18 MHz | -47.963 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 399.57 MHz      | -20.050 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 370.47 MHz      | -47.949 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 3 N 1 f          | 800.18 MHz      | -47.963 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 2.500062500 GHz</p> <p>Start 1.0000 GHz Stop 4.0000 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.067 ms (1001 pts)</p> <p>Mkr1 3.289 GHz -45.154 dBm</p> <p>Marker Data:</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>3.289 GHz</td><td>-45.154 dBm</td><td></td><td></td><td></td></tr></tbody></table> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.500062500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.000125000 GHz</p> <p>CF Step 300.012500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>File &lt;Temp.png&gt; saved</p> <p>1GHz~10th Harmonic</p>  | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 3.289 GHz  | -45.154 dBm |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 3.289 GHz       | -45.154 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>M1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</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>Mkr3 376.29 MHz -49.092 dBm</p> <p>Marker Data:</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>406.36 MHz</td><td>-28.505 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>811.82 MHz</td><td>-48.508 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>376.29 MHz</td><td>-49.092 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> <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>30MHz~1GHz</p> | MKR MODE TRC SCL | X              | Y | FUNCTION | FUNCTION WIDTH | FUNCTION VALUE | 1 N 1 f | 406.36 MHz | -28.505 dBm |  |  |  | 2 N 1 f | 811.82 MHz | -48.508 dBm |  |  |  | 3 N 1 f | 376.29 MHz | -49.092 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 406.36 MHz      | -28.505 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 811.82 MHz      | -48.508 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 3 N 1 f          | 376.29 MHz      | -49.092 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |



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

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT  |  |
|----------------|-----------------|------------------|---|--|
| TX-DNH         | 4FSK            | CH <sub>M1</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 2.529937500 GHz<br/>Start Freq 1.000000000 GHz Stop Freq 4.059875000 GHz<br/>CF Step 305.987500 MHz Auto Man<br/>Freq Offset 0 Hz<br/>Mkr1 2.686 GHz -45.763 dBm</p> <p>1GHz~10th Harmonic</p>   | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.529937500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.059875000 GHz</p> <p>CF Step 305.987500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 515.000000 MHz<br/>Start Freq 30.000000 MHz Stop Freq 1.00000 GHz<br/>CF Step 97.000000 MHz Auto Man<br/>Freq Offset 0 Hz<br/>Mkr3 376.29 MHz -50.612 dBm</p> <p>30MHz~1GHz</p>                 | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>     |
| TX-DNH         | 4FSK            | CH <sub>M2</sub> |  <p>Agilent Spectrum Analyzer - Swept SA<br/>Center Freq 2.530562500 GHz<br/>Start Freq 1.000000000 GHz Stop Freq 4.061125000 GHz<br/>CF Step 306.112500 MHz Auto Man<br/>Freq Offset 0 Hz<br/>Mkr1 2.656 GHz -45.295 dBm</p> <p>1GHz~10th Harmonic</p> | <p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.530562500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.061125000 GHz</p> <p>CF Step 306.112500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> |



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

| Operation Mode   | Modulation Type | Test Channel     | TEST PLOT RESULT  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
|------------------|-----------------|------------------|---|------------------|----------------|---|----------|----------------|----------------|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|---------|------------|-------------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|
| TX-DNH           | 4FSK            | CH <sub>M3</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</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>Mkr3 309.36 MHz -55.758 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>30MHz~1GHz</p> <table border="1"><caption>Marker Data</caption><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>438.97 MHz</td><td>-51.999 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>875.84 MHz</td><td>-55.462 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>309.36 MHz</td><td>-55.758 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 | 438.97 MHz | -51.999 dBm |  |  |  | 2 N 1 f | 875.84 MHz | -55.462 dBm |  |  |  | 3 N 1 f | 309.36 MHz | -55.758 dBm |  |  |  | 4 |  |  |  |  |  | 5 |  |  |  |  |  | 6 |  |  |  |  |  | 7 |  |  |  |  |  | 8 |  |  |  |  |  | 9 |  |  |  |  |  | 10 |  |  |  |  |  | 11 |  |  |  |  |  |
| MKR MODE TRC SCL | X               | Y                | FUNCTION  | FUNCTION WIDTH   | FUNCTION VALUE |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 1 N 1 f          | 438.97 MHz      | -51.999 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 875.84 MHz      | -55.462 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 3 N 1 f          | 309.36 MHz      | -55.758 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>M3</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.690062500 GHz</p> <p>Start 1.0000 GHz Stop 4.380 GHz</p> <p>#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 5.667 ms (1001 pts)</p> <p>Mkr1 2.643 GHz -45.000 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 2.690062500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.380125000 GHz</p> <p>CF Step 338.012500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>1GHz~10th Harmonic</p> <p>File &lt;Temp.png&gt; saved</p>  |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| TX-DNH           | 4FSK            | CH <sub>H1</sub> | <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 515.000000 MHz</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>Mkr3 470.38 MHz -45.534 dBm</p> <p>Frequency Auto Tune</p> <p>Center Freq 515.000000 MHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 1.000000000 GHz</p> <p>CF Step 97.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>30MHz~1GHz</p> <p>No Peak Found</p> <table border="1"><caption>Marker Data</caption><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>-45.534 dBm</td><td></td><td></td><td></td></tr><tr><td>2 N 1 f</td><td>470.38 MHz</td><td>-45.534 dBm</td><td></td><td></td><td></td></tr><tr><td>3 N 1 f</td><td>470.38 MHz</td><td>-45.534 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 | -45.534 dBm |  |  |  | 2 N 1 f | 470.38 MHz | -45.534 dBm |  |  |  | 3 N 1 f | 470.38 MHz | -45.534 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      | -45.534 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 2 N 1 f          | 470.38 MHz      | -45.534 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 3 N 1 f          | 470.38 MHz      | -45.534 dBm      |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 4                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 5                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 6                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 7                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 8                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 9                |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 10               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |
| 11               |                 |                  |   |                  |                |   |          |                |                |         |            |             |  |  |  |         |            |             |  |  |  |         |            |             |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |    |  |  |  |  |  |    |  |  |  |  |  |

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

| Operation Mode | Modulation Type | Test Channel     | TEST PLOT RESULT   |
|----------------|-----------------|------------------|--|
| TX-DNH         | 4FSK            | CH <sub>H1</sub> | <p>The figure shows a spectrum analysis plot from an Agilent Spectrum Analyzer. The center frequency is set to 2.849937500 GHz. The plot displays a noisy baseline with a distinct peak at 4.556 GHz, which is labeled as the 10th harmonic. The plot includes various parameters such as Start Freq (1.000000000 GHz), Stop Freq (4.699875000 GHz), and Sweep (6.200 ms (1001 pts)). The right side of the interface shows the current settings for each parameter.</p> <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.849937500 GHz</p> <p>Start Freq 1.000000000 GHz</p> <p>Stop Freq 4.699875000 GHz</p> <p>Sweep 6.200 ms (1001 pts)</p> <p>Mkr1 4.556 GHz -45.489 dBm</p> <p>CF Step 369.987500 MHz Auto Man</p> <p>Freq Offset 0 Hz</p> <p>1GHz~10th Harmonic</p> |

----End of Report----