



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
Page: 41 of 82

Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3703.723 | 40.78 | 28.52 | 7.24 | 36.93 | 39.61 | 54.00 | -14.39 | HORIZONTAL |
| 2 | 3703.723 | 45.59 | 28.52 | 7.24 | 36.93 | 44.42 | 74.00 | -29.58 | HORIZONTAL |
| 3 | 4534.271 | 41.01 | 30.16 | 6.75 | 36.92 | 41.00 | 54.00 | -13.00 | HORIZONTAL |
| 4 | 4534.271 | 46.21 | 30.16 | 6.75 | 36.92 | 46.20 | 74.00 | -27.80 | HORIZONTAL |
| 5 | 4824.721 | 42.48 | 30.82 | 6.01 | 36.94 | 42.37 | 54.00 | -11.63 | HORIZONTAL |
| 6 | 4824.721 | 48.18 | 30.82 | 6.01 | 36.94 | 48.07 | 74.00 | -25.93 | HORIZONTAL |
| 7 | 7236.518 | 37.91 | 35.55 | 7.35 | 36.93 | 43.88 | 54.00 | -10.12 | HORIZONTAL |
| 8 | 7236.518 | 47.63 | 35.55 | 7.35 | 36.93 | 53.60 | 74.00 | -20.40 | HORIZONTAL |
| 9 | 9648.432 | 39.09 | 37.54 | 8.18 | 37.08 | 47.73 | 54.00 | -6.27 | HORIZONTAL |
| 10 | 9648.432 | 46.83 | 37.54 | 8.18 | 37.08 | 55.47 | 74.00 | -18.53 | HORIZONTAL |
| 11 | 12060.350 | 33.05 | 39.46 | 10.71 | 37.17 | 46.05 | 54.00 | -7.95 | HORIZONTAL |
| 12 | 12060.350 | 45.31 | 39.46 | 10.71 | 37.17 | 58.31 | 74.00 | -15.69 | HORIZONTAL |

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2648.664 | 42.97 | 26.91 | 5.00 | 37.33 | 37.55 | 54.00 | -16.45 | VERTICAL |
| 2 | 2648.664 | 48.14 | 26.91 | 5.00 | 37.33 | 42.72 | 74.00 | -31.28 | VERTICAL |
| 3 | 3280.326 | 40.73 | 27.90 | 5.75 | 36.99 | 37.39 | 54.00 | -16.61 | VERTICAL |
| 4 | 3280.326 | 47.64 | 27.90 | 5.75 | 36.99 | 44.30 | 74.00 | -29.70 | VERTICAL |
| 5 | 4824.589 | 39.37 | 30.82 | 6.01 | 36.94 | 39.26 | 54.00 | -14.74 | VERTICAL |
| 6 | 4824.589 | 46.65 | 30.82 | 6.01 | 36.94 | 46.54 | 74.00 | -27.46 | VERTICAL |
| 7 | 7236.762 | 37.26 | 35.55 | 7.35 | 36.93 | 43.23 | 54.00 | -10.77 | VERTICAL |
| 8 | 7236.762 | 43.57 | 35.55 | 7.35 | 36.93 | 49.54 | 74.00 | -24.46 | VERTICAL |
| 9 | 9648.310 | 37.67 | 37.54 | 8.18 | 37.08 | 46.31 | 54.00 | -7.69 | VERTICAL |
| 10 | 9648.310 | 45.38 | 37.54 | 8.18 | 37.08 | 54.02 | 74.00 | -19.98 | VERTICAL |
| 11 | 12060.910 | 36.36 | 39.46 | 10.71 | 37.17 | 49.36 | 54.00 | -4.64 | VERTICAL |
| 12 | 12060.910 | 43.74 | 39.46 | 10.71 | 37.17 | 56.74 | 74.00 | -17.26 | VERTICAL |



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
Page: 42 of 82

Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel middle: 2442Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2990.531 | 41.17 | 27.89 | 4.63 | 37.08 | 36.61 | 54.00 | -17.39 | HORIZONTAL |
| 2 | 2990.531 | 48.15 | 27.89 | 4.63 | 37.08 | 43.59 | 74.00 | -30.41 | HORIZONTAL |
| 3 | 3834.438 | 40.75 | 29.12 | 7.80 | 36.91 | 40.76 | 54.00 | -13.24 | HORIZONTAL |
| 4 | 3834.438 | 45.73 | 29.12 | 7.80 | 36.91 | 45.74 | 74.00 | -28.26 | HORIZONTAL |
| 5 | 4884.058 | 39.48 | 30.95 | 6.86 | 36.95 | 40.34 | 54.00 | -13.66 | HORIZONTAL |
| 6 | 4884.058 | 47.35 | 30.95 | 6.86 | 36.95 | 48.21 | 74.00 | -25.79 | HORIZONTAL |
| 7 | 7326.999 | 38.07 | 35.74 | 7.39 | 36.92 | 44.28 | 54.00 | -9.72 | HORIZONTAL |
| 8 | 7326.999 | 43.33 | 35.74 | 7.39 | 36.92 | 49.54 | 74.00 | -24.46 | HORIZONTAL |
| 9 | 9768.945 | 38.89 | 37.74 | 8.37 | 37.09 | 47.91 | 54.00 | -6.09 | HORIZONTAL |
| 10 | 9768.945 | 43.09 | 37.74 | 8.37 | 37.09 | 52.11 | 74.00 | -21.89 | HORIZONTAL |
| 11 | 12060.210 | 36.49 | 39.46 | 10.71 | 37.17 | 49.49 | 54.00 | -4.51 | HORIZONTAL |
| 12 | 12060.210 | 44.35 | 39.46 | 10.71 | 37.17 | 57.35 | 74.00 | -16.65 | HORIZONTAL |

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel middle: 2442Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2880.247 | 40.06 | 27.72 | 4.84 | 37.14 | 35.48 | 54.00 | -18.52 | VERTICAL |
| 2 | 2880.247 | 44.40 | 27.72 | 4.84 | 37.14 | 39.82 | 74.00 | -34.18 | VERTICAL |
| 3 | 3746.792 | 39.08 | 28.76 | 7.58 | 36.92 | 38.50 | 54.00 | -15.50 | VERTICAL |
| 4 | 3746.792 | 45.31 | 28.76 | 7.58 | 36.92 | 44.73 | 74.00 | -29.27 | VERTICAL |
| 5 | 4884.620 | 38.25 | 30.95 | 6.86 | 36.95 | 39.11 | 54.00 | -14.89 | VERTICAL |
| 6 | 4884.620 | 45.22 | 30.95 | 6.86 | 36.95 | 46.08 | 74.00 | -27.92 | VERTICAL |
| 7 | 7236.049 | 39.41 | 35.55 | 7.35 | 36.93 | 45.38 | 54.00 | -8.62 | VERTICAL |
| 8 | 7236.049 | 45.37 | 35.55 | 7.35 | 36.93 | 51.34 | 74.00 | -22.66 | VERTICAL |
| 9 | 9648.349 | 39.67 | 37.54 | 8.18 | 37.08 | 48.31 | 54.00 | -5.69 | VERTICAL |
| 10 | 9648.349 | 45.28 | 37.54 | 8.18 | 37.08 | 53.92 | 74.00 | -20.08 | VERTICAL |
| 11 | 12060.850 | 35.77 | 39.46 | 10.71 | 37.17 | 48.77 | 54.00 | -5.23 | VERTICAL |
| 12 | 12060.850 | 43.68 | 39.46 | 10.71 | 37.17 | 56.68 | 74.00 | -17.32 | VERTICAL |



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
Page: 43 of 82

Mode:802.11g; Polarization: Horizontal; bandwidth:20MHz; Channel High: 2462Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3007.868 | 42.97 | 27.90 | 4.65 | 37.07 | 38.45 | 54.00 | -15.55 | HORIZONTAL |
| 2 | 3007.868 | 48.10 | 27.90 | 4.65 | 37.07 | 43.58 | 74.00 | -30.42 | HORIZONTAL |
| 3 | 3567.138 | 40.38 | 28.06 | 6.28 | 36.94 | 37.78 | 54.00 | -16.22 | HORIZONTAL |
| 4 | 3567.138 | 45.96 | 28.06 | 6.28 | 36.94 | 43.36 | 74.00 | -30.64 | HORIZONTAL |
| 5 | 4924.255 | 38.86 | 31.01 | 7.49 | 36.95 | 40.41 | 54.00 | -13.59 | HORIZONTAL |
| 6 | 4924.255 | 45.12 | 31.01 | 7.49 | 36.95 | 46.67 | 74.00 | -27.33 | HORIZONTAL |
| 7 | 7386.760 | 35.13 | 35.85 | 7.42 | 36.92 | 41.48 | 54.00 | -12.52 | HORIZONTAL |
| 8 | 7386.760 | 40.32 | 35.85 | 7.42 | 36.92 | 46.67 | 74.00 | -27.33 | HORIZONTAL |
| 9 | 9848.833 | 33.88 | 37.82 | 8.46 | 37.09 | 43.07 | 54.00 | -10.93 | HORIZONTAL |
| 10 | 9848.833 | 38.77 | 37.82 | 8.46 | 37.09 | 47.96 | 74.00 | -26.04 | HORIZONTAL |
| 11 | 12310.220 | 34.43 | 39.03 | 11.10 | 36.97 | 47.59 | 54.00 | -6.41 | HORIZONTAL |
| 12 | 12310.220 | 41.17 | 39.03 | 11.10 | 36.97 | 54.33 | 74.00 | -19.67 | HORIZONTAL |

Mode:802.11g; Polarization: Vertical; bandwidth:20MHz; Channel High: 2462Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2922.174 | 42.15 | 27.79 | 4.81 | 37.12 | 37.63 | 54.00 | -16.37 | VERTICAL |
| 2 | 2922.174 | 46.69 | 27.79 | 4.81 | 37.12 | 42.17 | 74.00 | -31.83 | VERTICAL |
| 3 | 3725.195 | 42.97 | 28.64 | 7.42 | 36.92 | 42.11 | 54.00 | -11.89 | VERTICAL |
| 4 | 3725.195 | 46.91 | 28.64 | 7.42 | 36.92 | 46.05 | 74.00 | -27.95 | VERTICAL |
| 5 | 4924.150 | 38.88 | 31.01 | 7.49 | 36.95 | 40.43 | 54.00 | -13.57 | VERTICAL |
| 6 | 4924.150 | 44.19 | 31.01 | 7.49 | 36.95 | 45.74 | 74.00 | -28.26 | VERTICAL |
| 7 | 7386.207 | 39.02 | 35.85 | 7.42 | 36.92 | 45.37 | 54.00 | -8.63 | VERTICAL |
| 8 | 7386.207 | 44.45 | 35.85 | 7.42 | 36.92 | 50.80 | 74.00 | -23.20 | VERTICAL |
| 9 | 9848.725 | 37.99 | 37.82 | 8.46 | 37.09 | 47.18 | 54.00 | -6.82 | VERTICAL |
| 10 | 9848.725 | 44.71 | 37.82 | 8.46 | 37.09 | 53.90 | 74.00 | -20.10 | VERTICAL |
| 11 | 12310.000 | 35.58 | 39.03 | 11.10 | 36.97 | 48.74 | 54.00 | -5.26 | VERTICAL |
| 12 | 12310.000 | 44.04 | 39.03 | 11.10 | 36.97 | 57.20 | 74.00 | -16.80 | VERTICAL |



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
 Page: 44 of 82

Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2822.558 | 41.99 | 27.59 | 4.73 | 37.21 | 37.10 | 54.00 | -16.90 | HORIZONTAL |
| 2 | 2822.558 | 47.96 | 27.59 | 4.73 | 37.21 | 43.07 | 74.00 | -30.93 | HORIZONTAL |
| 3 | 3823.371 | 40.15 | 29.08 | 7.83 | 36.91 | 40.15 | 54.00 | -13.85 | HORIZONTAL |
| 4 | 3823.371 | 46.58 | 29.08 | 7.83 | 36.91 | 46.58 | 74.00 | -27.42 | HORIZONTAL |
| 5 | 4824.721 | 41.48 | 30.82 | 6.01 | 36.94 | 41.37 | 54.00 | -12.63 | HORIZONTAL |
| 6 | 4824.721 | 48.18 | 30.82 | 6.01 | 36.94 | 48.07 | 74.00 | -25.93 | HORIZONTAL |
| 7 | 7236.167 | 37.23 | 35.55 | 7.35 | 36.93 | 43.20 | 54.00 | -10.80 | HORIZONTAL |
| 8 | 7236.167 | 44.27 | 35.55 | 7.35 | 36.93 | 50.24 | 74.00 | -23.76 | HORIZONTAL |
| 9 | 9648.200 | 38.57 | 37.54 | 8.18 | 37.08 | 47.21 | 54.00 | -6.79 | HORIZONTAL |
| 10 | 9648.200 | 44.86 | 37.54 | 8.18 | 37.08 | 53.50 | 74.00 | -20.50 | HORIZONTAL |
| 11 | 12060.070 | 35.04 | 39.46 | 10.71 | 37.17 | 48.04 | 54.00 | -5.96 | HORIZONTAL |
| 12 | 12060.070 | 45.87 | 39.46 | 10.71 | 37.17 | 58.87 | 74.00 | -15.13 | HORIZONTAL |

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2822.558 | 42.18 | 27.59 | 4.73 | 37.21 | 37.29 | 54.00 | -16.71 | VERTICAL |
| 2 | 2822.558 | 47.01 | 27.59 | 4.73 | 37.21 | 42.12 | 74.00 | -31.88 | VERTICAL |
| 3 | 3261.418 | 41.27 | 27.90 | 5.80 | 36.99 | 37.98 | 54.00 | -16.02 | VERTICAL |
| 4 | 3261.418 | 46.66 | 27.90 | 5.80 | 36.99 | 43.37 | 74.00 | -30.63 | VERTICAL |
| 5 | 4824.921 | 40.37 | 30.82 | 6.01 | 36.94 | 40.26 | 54.00 | -13.74 | VERTICAL |
| 6 | 4824.921 | 45.31 | 30.82 | 6.01 | 36.94 | 45.20 | 74.00 | -28.80 | VERTICAL |
| 7 | 7236.732 | 37.96 | 35.55 | 7.35 | 36.93 | 43.93 | 54.00 | -10.07 | VERTICAL |
| 8 | 7236.732 | 42.50 | 35.55 | 7.35 | 36.93 | 48.47 | 74.00 | -25.53 | VERTICAL |
| 9 | 9648.200 | 38.31 | 37.54 | 8.18 | 37.08 | 46.95 | 54.00 | -7.05 | VERTICAL |
| 10 | 9648.200 | 45.63 | 37.54 | 8.18 | 37.08 | 54.27 | 74.00 | -19.73 | VERTICAL |
| 11 | 12210.520 | 34.90 | 39.21 | 10.98 | 37.06 | 48.03 | 54.00 | -5.97 | VERTICAL |
| 12 | 12210.520 | 44.69 | 39.21 | 10.98 | 37.06 | 57.82 | 74.00 | -16.18 | VERTICAL |



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
 Page: 45 of 82

Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel middle: 2442Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2913.740 | 39.19 | 27.78 | 4.83 | 37.12 | 34.68 | 54.00 | -19.32 | HORIZONTAL |
| 2 | 2913.740 | 44.82 | 27.78 | 4.83 | 37.12 | 40.31 | 74.00 | -33.69 | HORIZONTAL |
| 3 | 3845.537 | 36.44 | 29.15 | 7.77 | 36.91 | 36.45 | 54.00 | -17.55 | HORIZONTAL |
| 4 | 3845.537 | 43.99 | 29.15 | 7.77 | 36.91 | 44.00 | 74.00 | -30.00 | HORIZONTAL |
| 5 | 4844.721 | 40.43 | 30.88 | 6.31 | 36.94 | 40.68 | 54.00 | -13.32 | HORIZONTAL |
| 6 | 4844.721 | 46.83 | 30.88 | 6.31 | 36.94 | 47.08 | 74.00 | -26.92 | HORIZONTAL |
| 7 | 7266.852 | 37.32 | 35.60 | 7.36 | 36.92 | 43.36 | 54.00 | -10.64 | HORIZONTAL |
| 8 | 7266.852 | 43.35 | 35.60 | 7.36 | 36.92 | 49.39 | 74.00 | -24.61 | HORIZONTAL |
| 9 | 9768.164 | 39.34 | 37.74 | 8.37 | 37.09 | 48.36 | 54.00 | -5.64 | HORIZONTAL |
| 10 | 9768.164 | 45.45 | 37.74 | 8.37 | 37.09 | 54.47 | 74.00 | -19.53 | HORIZONTAL |
| 11 | 12210.900 | 34.00 | 39.21 | 10.98 | 37.06 | 47.13 | 54.00 | -6.87 | HORIZONTAL |
| 12 | 12210.900 | 44.67 | 39.21 | 10.98 | 37.06 | 57.80 | 74.00 | -16.20 | HORIZONTAL |

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel middle: 2442Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2625.796 | 42.01 | 26.85 | 5.06 | 37.35 | 36.57 | 54.00 | -17.43 | VERTICAL |
| 2 | 2625.796 | 47.36 | 26.85 | 5.06 | 37.35 | 41.92 | 74.00 | -32.08 | VERTICAL |
| 3 | 3901.516 | 39.83 | 29.30 | 7.56 | 36.91 | 39.78 | 54.00 | -14.22 | VERTICAL |
| 4 | 3901.516 | 46.45 | 29.30 | 7.56 | 36.91 | 46.40 | 74.00 | -27.60 | VERTICAL |
| 5 | 4884.999 | 39.23 | 30.95 | 6.86 | 36.95 | 40.09 | 54.00 | -13.91 | VERTICAL |
| 6 | 4884.999 | 44.53 | 30.95 | 6.86 | 36.95 | 45.39 | 74.00 | -28.61 | VERTICAL |
| 7 | 7326.026 | 37.13 | 35.74 | 7.39 | 36.92 | 43.34 | 54.00 | -10.66 | VERTICAL |
| 8 | 7326.026 | 41.41 | 35.74 | 7.39 | 36.92 | 47.62 | 74.00 | -26.38 | VERTICAL |
| 9 | 9768.151 | 39.97 | 37.74 | 8.37 | 37.09 | 48.99 | 54.00 | -5.01 | VERTICAL |
| 10 | 9768.151 | 45.20 | 37.74 | 8.37 | 37.09 | 54.22 | 74.00 | -19.78 | VERTICAL |
| 11 | 12210.930 | 35.49 | 39.21 | 10.98 | 37.06 | 48.62 | 54.00 | -5.38 | VERTICAL |
| 12 | 12210.930 | 46.20 | 39.21 | 10.98 | 37.06 | 59.33 | 74.00 | -14.67 | VERTICAL |



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

Report No.: GZEM171200734701
Page: 46 of 82

Mode:802.11n(HT20); Polarization: Horizontal; bandwidth:20MHz; Channel High: 2462Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 2964.712 | 42.94 | 27.85 | 4.69 | 37.09 | 38.39 | 54.00 | -15.61 | HORIZONTAL |
| 2 | 2964.712 | 47.23 | 27.85 | 4.69 | 37.09 | 42.68 | 74.00 | -31.32 | HORIZONTAL |
| 3 | 4379.699 | 40.42 | 30.00 | 6.12 | 36.91 | 39.63 | 54.00 | -14.37 | HORIZONTAL |
| 4 | 4379.699 | 46.35 | 30.00 | 6.12 | 36.91 | 45.56 | 74.00 | -28.44 | HORIZONTAL |
| 5 | 4924.928 | 39.06 | 31.01 | 7.49 | 36.95 | 40.61 | 54.00 | -13.39 | HORIZONTAL |
| 6 | 4924.928 | 45.97 | 31.01 | 7.49 | 36.95 | 47.52 | 74.00 | -26.48 | HORIZONTAL |
| 7 | 7386.616 | 33.47 | 35.85 | 7.42 | 36.92 | 39.82 | 54.00 | -14.18 | HORIZONTAL |
| 8 | 7386.616 | 40.35 | 35.85 | 7.42 | 36.92 | 46.70 | 74.00 | -27.30 | HORIZONTAL |
| 9 | 9848.806 | 36.48 | 37.82 | 8.46 | 37.09 | 45.67 | 54.00 | -8.33 | HORIZONTAL |
| 10 | 9848.806 | 41.28 | 37.82 | 8.46 | 37.09 | 50.47 | 74.00 | -23.53 | HORIZONTAL |
| 11 | 12310.070 | 34.39 | 39.03 | 11.10 | 36.97 | 47.55 | 54.00 | -6.45 | HORIZONTAL |
| 12 | 12310.070 | 45.84 | 39.03 | 11.10 | 36.97 | 59.00 | 74.00 | -15.00 | HORIZONTAL |

Mode:802.11n(HT20); Polarization: Vertical; bandwidth:20MHz; Channel High: 2462Mhz

| | Freq | ReadAntenna Level | Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|----|-----------|----------------------|--------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 3261.418 | 42.27 | 27.90 | 5.80 | 36.99 | 38.98 | 54.00 | -15.02 | VERTICAL |
| 2 | 3261.418 | 46.20 | 27.90 | 5.80 | 36.99 | 42.91 | 74.00 | -31.09 | VERTICAL |
| 3 | 4181.768 | 39.75 | 29.69 | 6.66 | 36.91 | 39.19 | 54.00 | -14.81 | VERTICAL |
| 4 | 4181.768 | 45.76 | 29.69 | 6.66 | 36.91 | 45.20 | 74.00 | -28.80 | VERTICAL |
| 5 | 4924.007 | 39.37 | 31.01 | 7.49 | 36.95 | 40.92 | 54.00 | -13.08 | VERTICAL |
| 6 | 4924.007 | 45.95 | 31.01 | 7.49 | 36.95 | 47.50 | 74.00 | -26.50 | VERTICAL |
| 7 | 7386.999 | 38.76 | 35.85 | 7.42 | 36.92 | 45.11 | 54.00 | -8.89 | VERTICAL |
| 8 | 7386.999 | 42.02 | 35.85 | 7.42 | 36.92 | 48.37 | 74.00 | -25.63 | VERTICAL |
| 9 | 9848.725 | 38.10 | 37.82 | 8.46 | 37.09 | 47.29 | 54.00 | -6.71 | VERTICAL |
| 10 | 9848.725 | 44.71 | 37.82 | 8.46 | 37.09 | 53.90 | 74.00 | -20.10 | VERTICAL |
| 11 | 12310.480 | 34.67 | 39.03 | 11.10 | 36.97 | 47.83 | 54.00 | -6.17 | VERTICAL |
| 12 | 12310.480 | 44.06 | 39.03 | 11.10 | 36.97 | 57.22 | 74.00 | -16.78 | VERTICAL |

For the emission below 1G, through pre-scan all modes found the worst case is the 802.11b lowest channel. Only the worst case is recorded in the report.

Mode:802.11b; Polarization: Horizontal; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|---|---------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|------------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 65.114 | 28.44 | 11.44 | 0.66 | 25.39 | 15.15 | 40.00 | -24.85 | HORIZONTAL |
| 2 | 138.387 | 27.85 | 13.03 | 1.02 | 28.16 | 13.74 | 43.50 | -29.76 | HORIZONTAL |
| 3 | 232.532 | 27.92 | 12.13 | 1.40 | 29.06 | 12.39 | 46.00 | -33.61 | HORIZONTAL |
| 4 | 319.937 | 29.14 | 14.32 | 1.82 | 29.36 | 15.92 | 46.00 | -30.08 | HORIZONTAL |
| 5 | 457.507 | 28.86 | 17.63 | 1.97 | 29.47 | 18.99 | 46.00 | -27.01 | HORIZONTAL |
| 6 | 593.050 | 28.74 | 20.52 | 2.02 | 29.39 | 21.89 | 46.00 | -24.11 | HORIZONTAL |

Mode:802.11b; Polarization: Vertical; bandwidth:20MHz; Channel Low: 2412Mhz

| | Freq | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | Level | Limit Line | Over Limit | Pol/Phase |
|---|---------|----------------------|-------------------|---------------|------------------|--------|---------------|---------------|-----------|
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 42.600 | 27.47 | 12.68 | 0.66 | 24.12 | 16.69 | 40.00 | -23.31 | VERTICAL |
| 2 | 130.379 | 28.83 | 12.43 | 0.97 | 28.18 | 14.05 | 43.50 | -29.45 | VERTICAL |
| 3 | 180.017 | 28.06 | 12.70 | 1.34 | 28.08 | 14.02 | 43.50 | -29.48 | VERTICAL |
| 4 | 282.985 | 28.04 | 13.65 | 1.75 | 28.90 | 14.54 | 46.00 | -31.46 | VERTICAL |
| 5 | 366.823 | 30.12 | 15.90 | 2.05 | 29.59 | 18.48 | 46.00 | -27.52 | VERTICAL |
| 6 | 580.703 | 30.06 | 20.33 | 1.89 | 29.19 | 23.09 | 46.00 | -22.91 | VERTICAL |

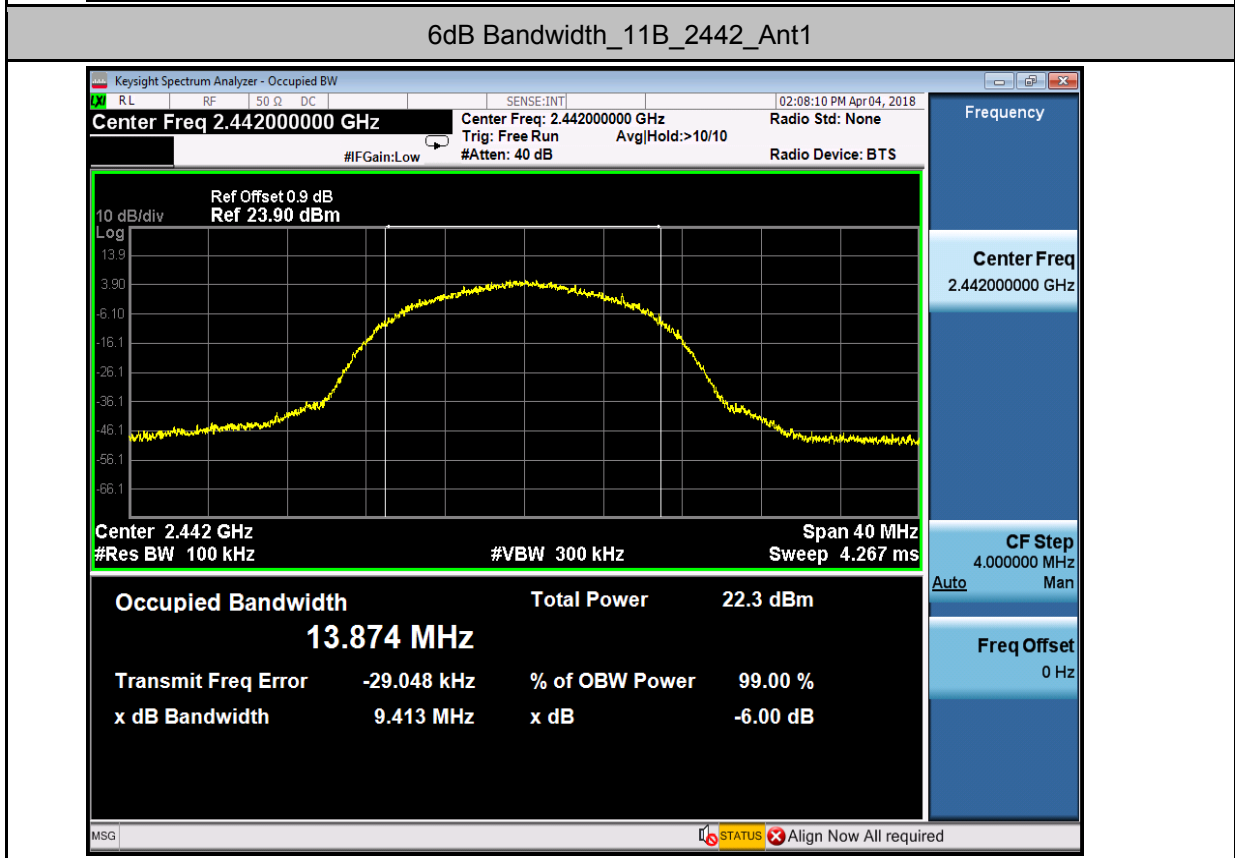
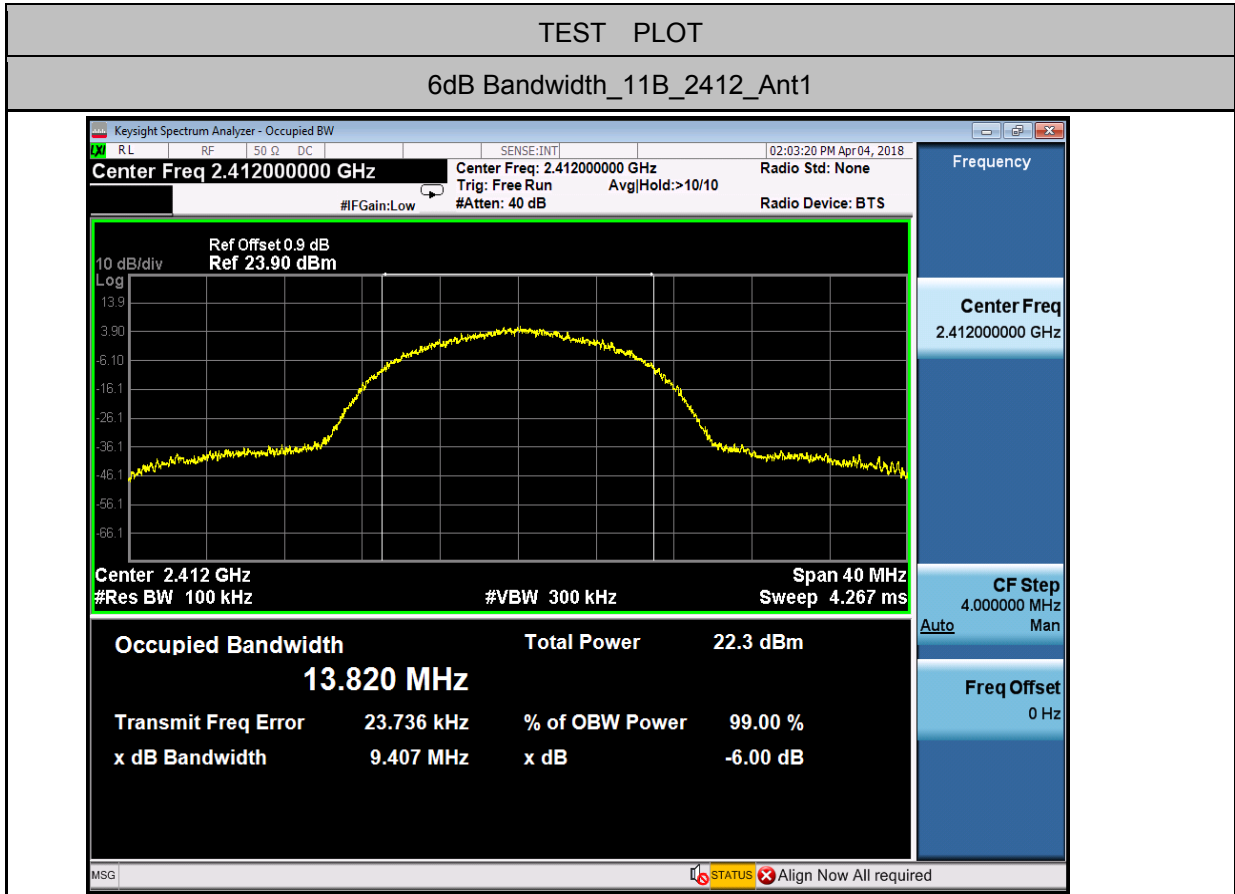


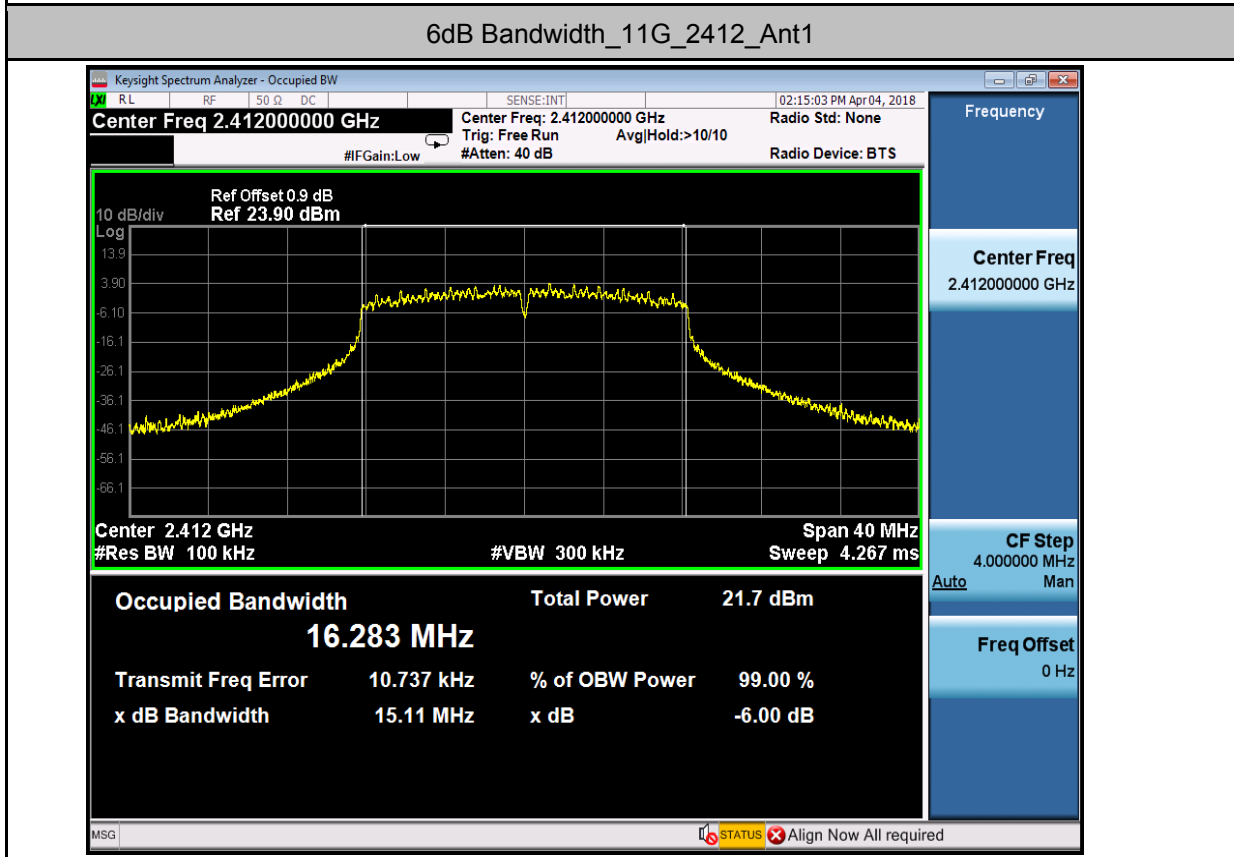
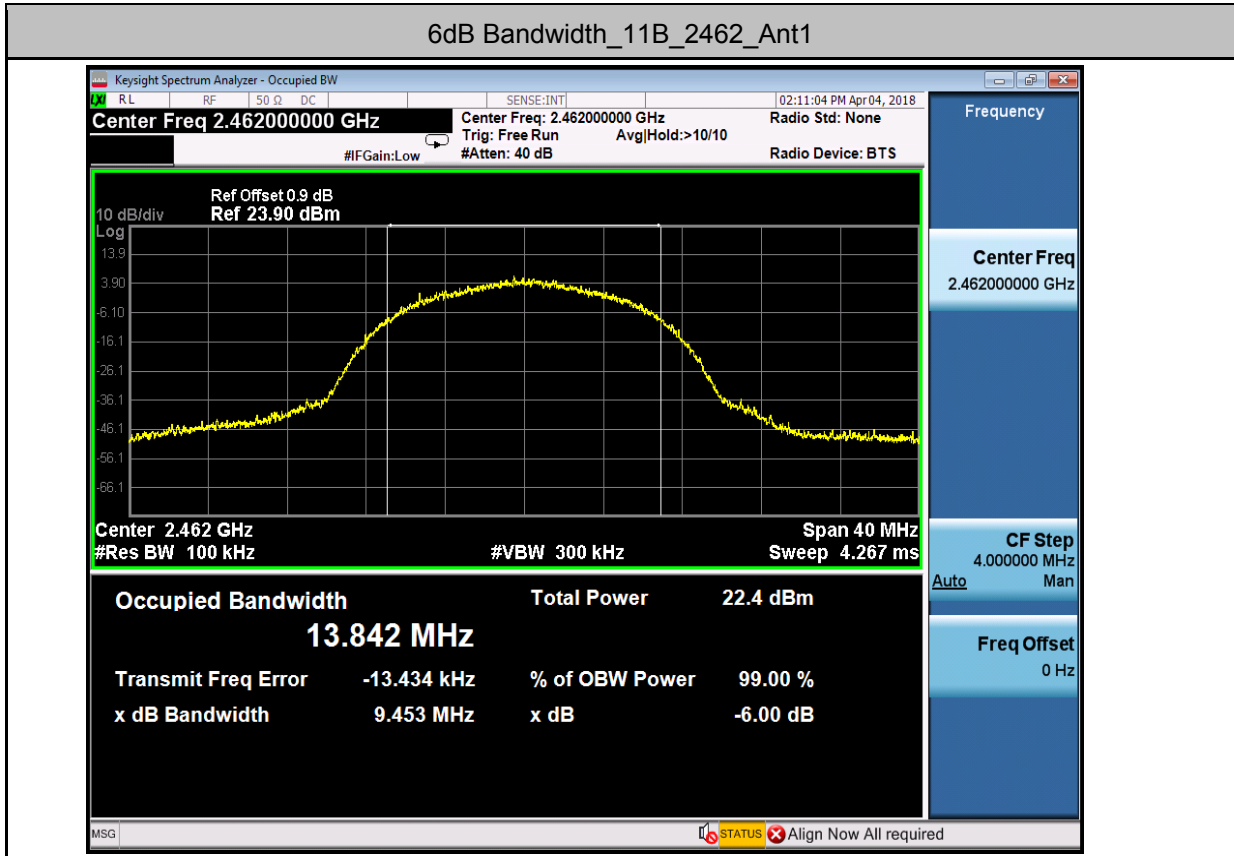
8 Appendix

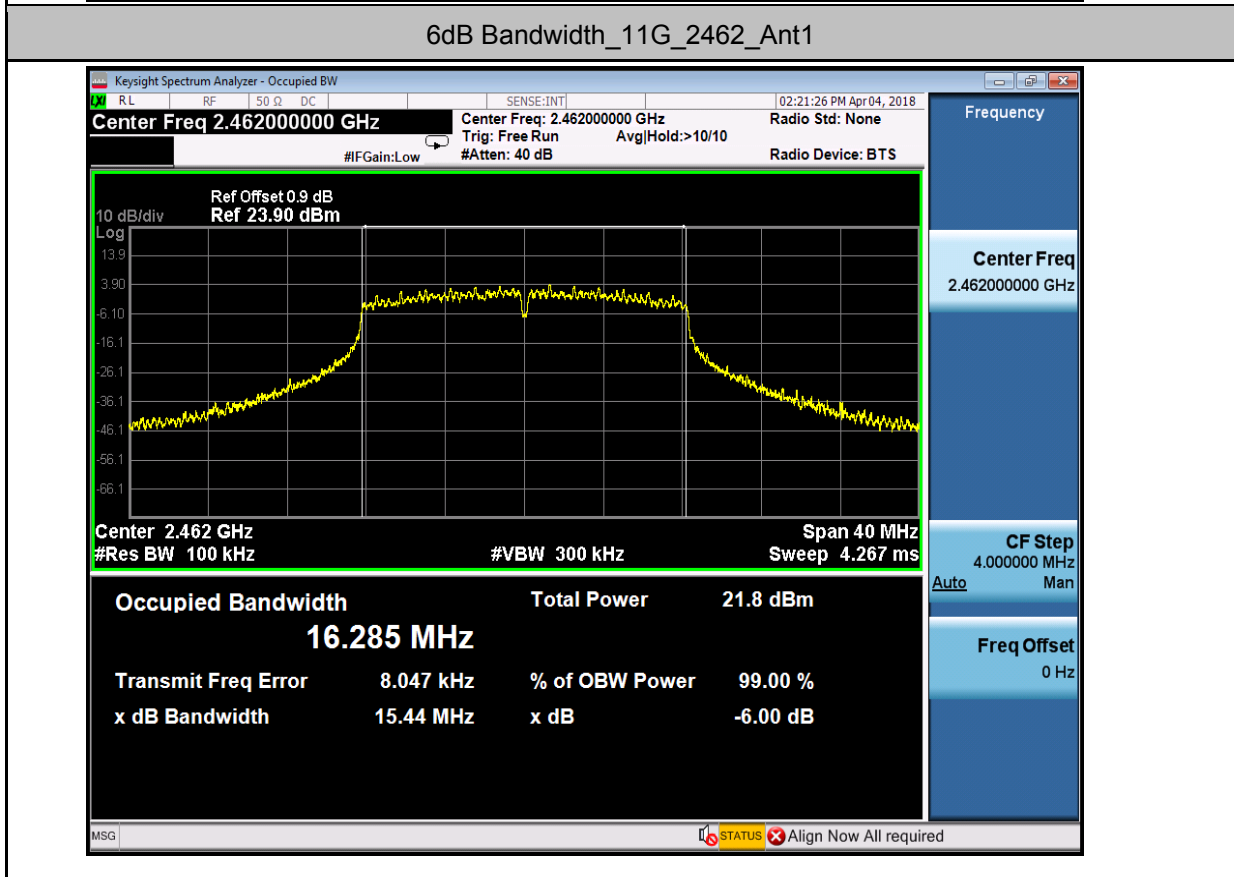
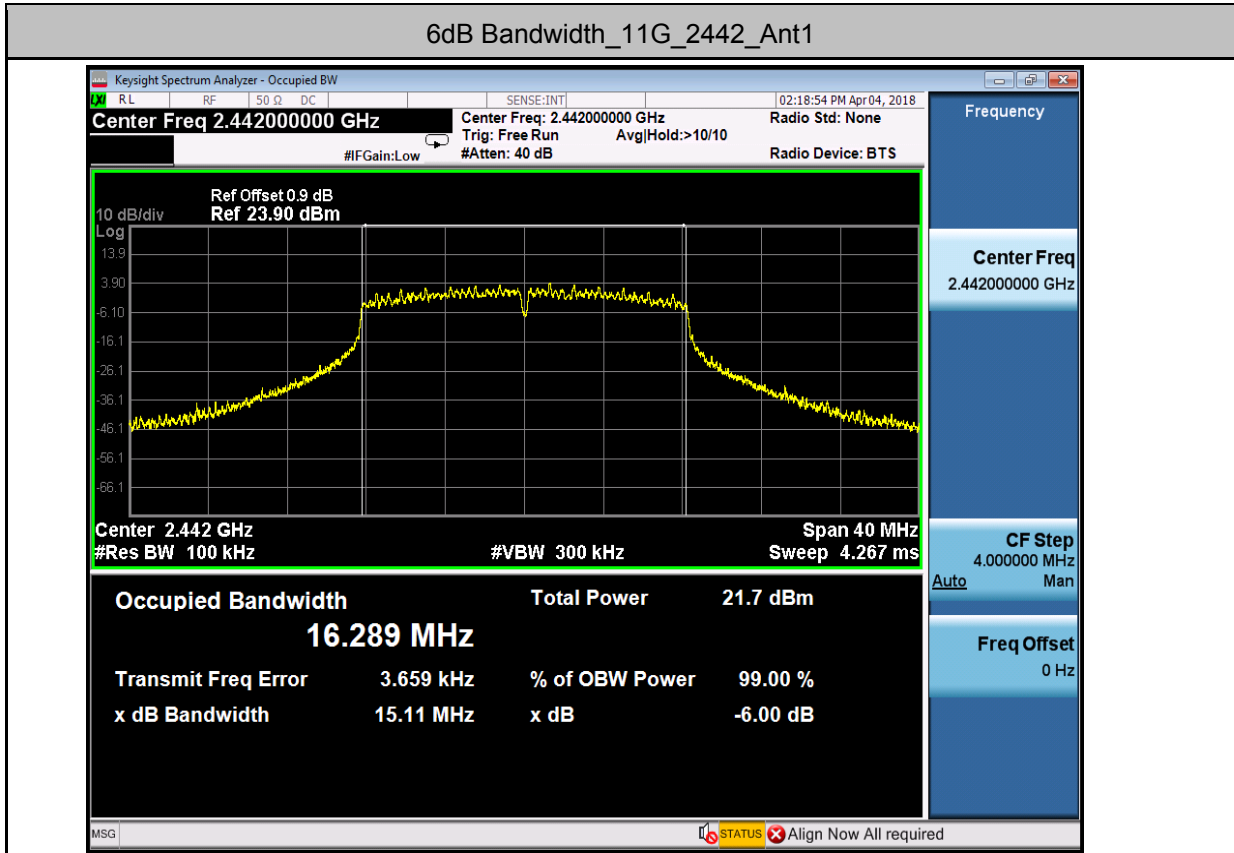
8.1 Appendix 15.247

1.6dB Bandwidth

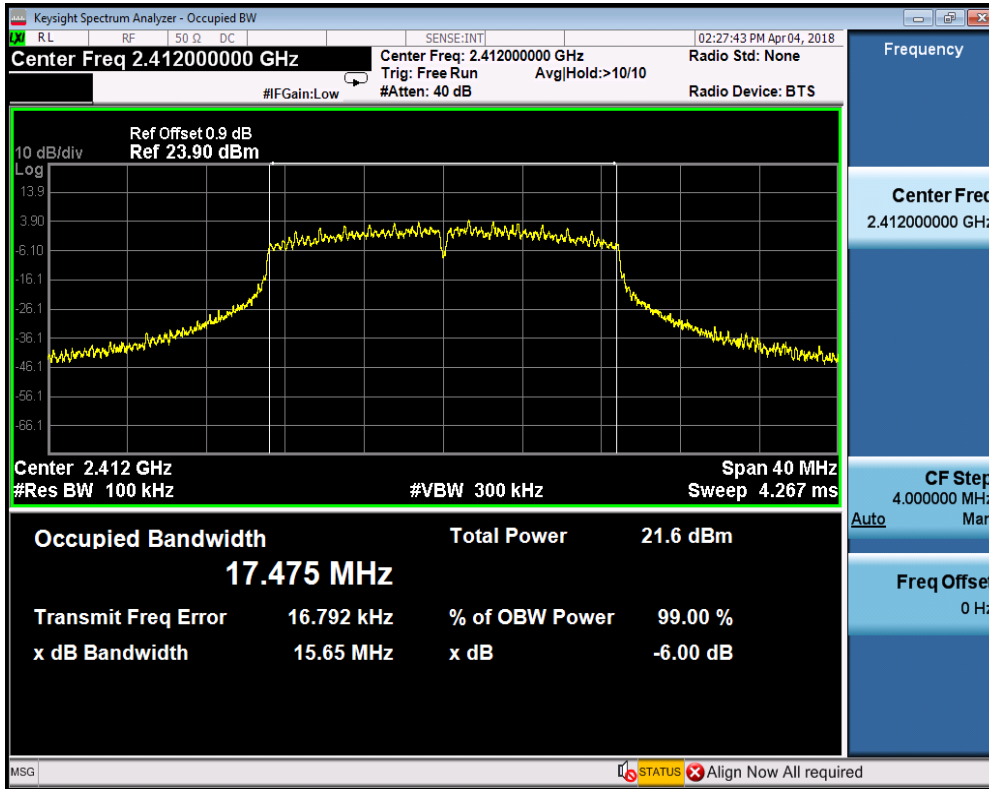
| Test Mode | Test Channel | Ant | OBW[MHz] | EBW[MHz] | Limit | Verdict |
|-----------|--------------|------|----------|----------|-------|---------|
| 11B | 2412 | Ant1 | 13.821 | 9.407 | 0.5 | PASS |
| 11B | 2442 | Ant1 | 13.876 | 9.413 | 0.5 | PASS |
| 11B | 2462 | Ant1 | 13.842 | 9.453 | 0.5 | PASS |
| 11G | 2412 | Ant1 | 16.283 | 15.11 | 0.5 | PASS |
| 11G | 2442 | Ant1 | 16.288 | 15.11 | 0.5 | PASS |
| 11G | 2462 | Ant1 | 16.285 | 15.44 | 0.5 | PASS |
| 11N20SISO | 2412 | Ant1 | 17.475 | 15.65 | 0.5 | PASS |
| 11N20SISO | 2442 | Ant1 | 17.477 | 15.63 | 0.5 | PASS |
| 11N20SISO | 2462 | Ant1 | 17.468 | 15.67 | 0.5 | PASS |



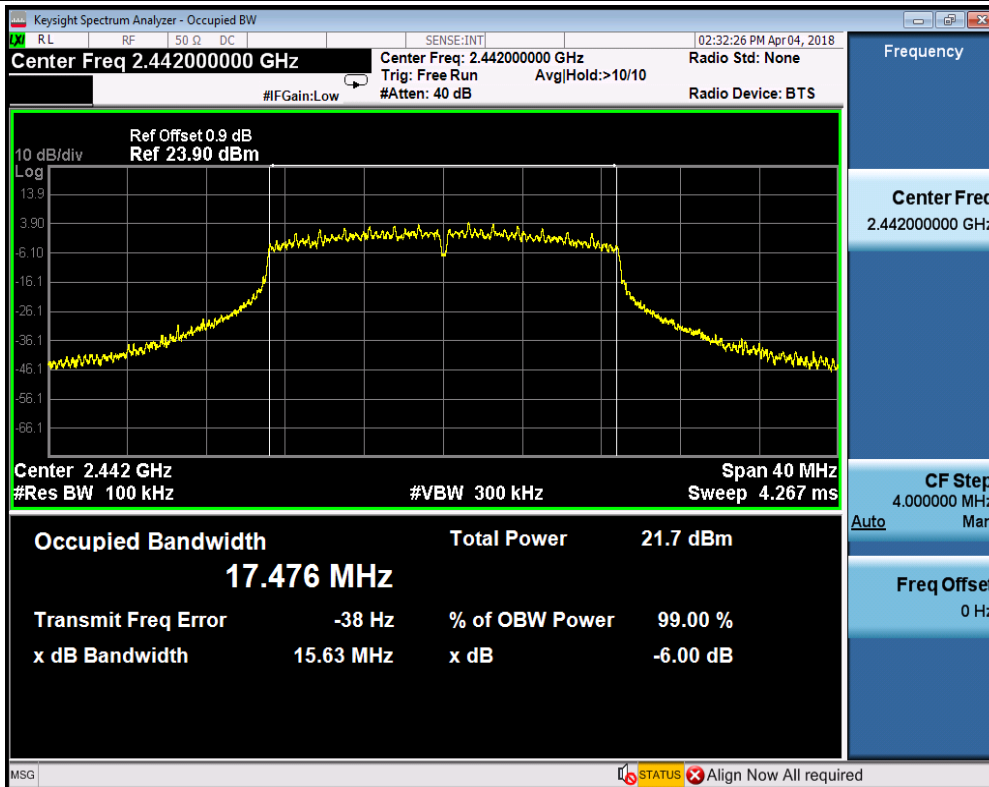


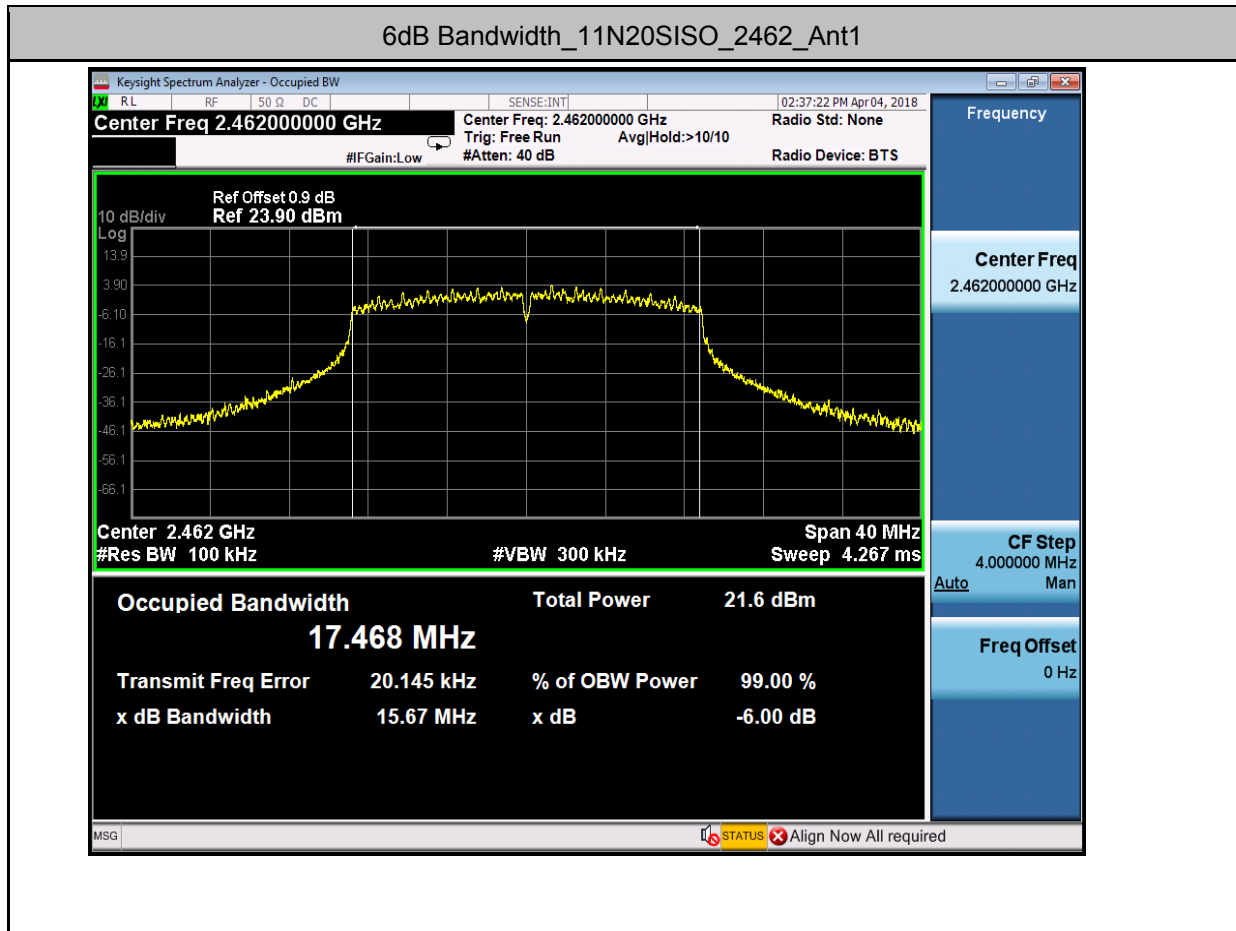


6dB Bandwidth_11N20SISO_2412_Ant1



6dB Bandwidth_11N20SISO_2442_Ant1



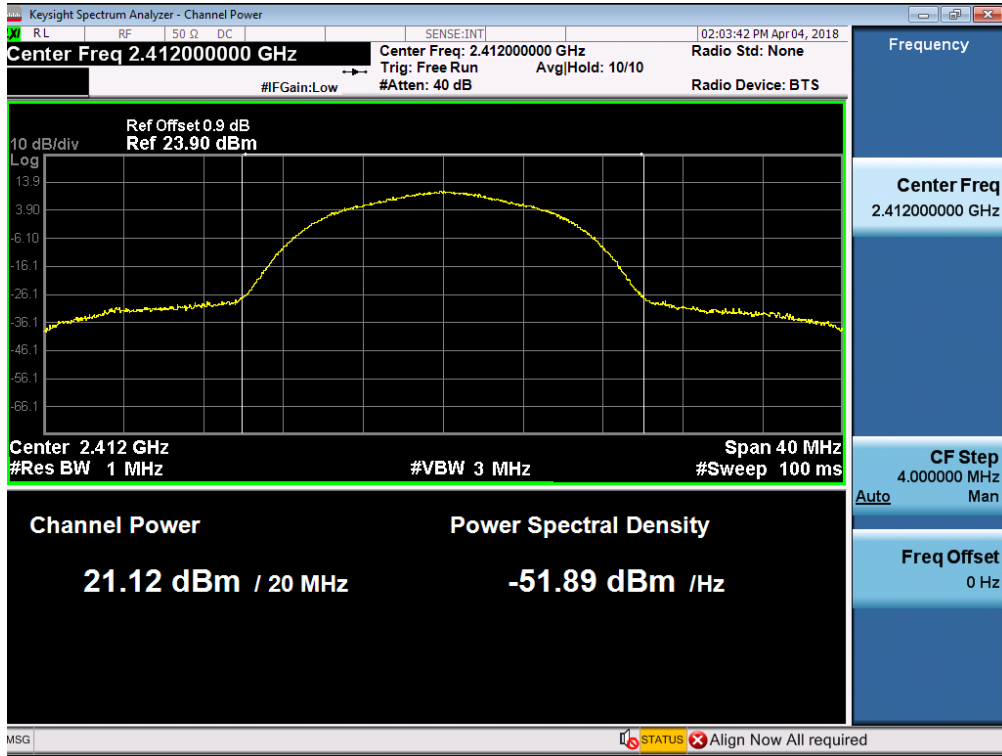


2. Maximum peak conducted output power

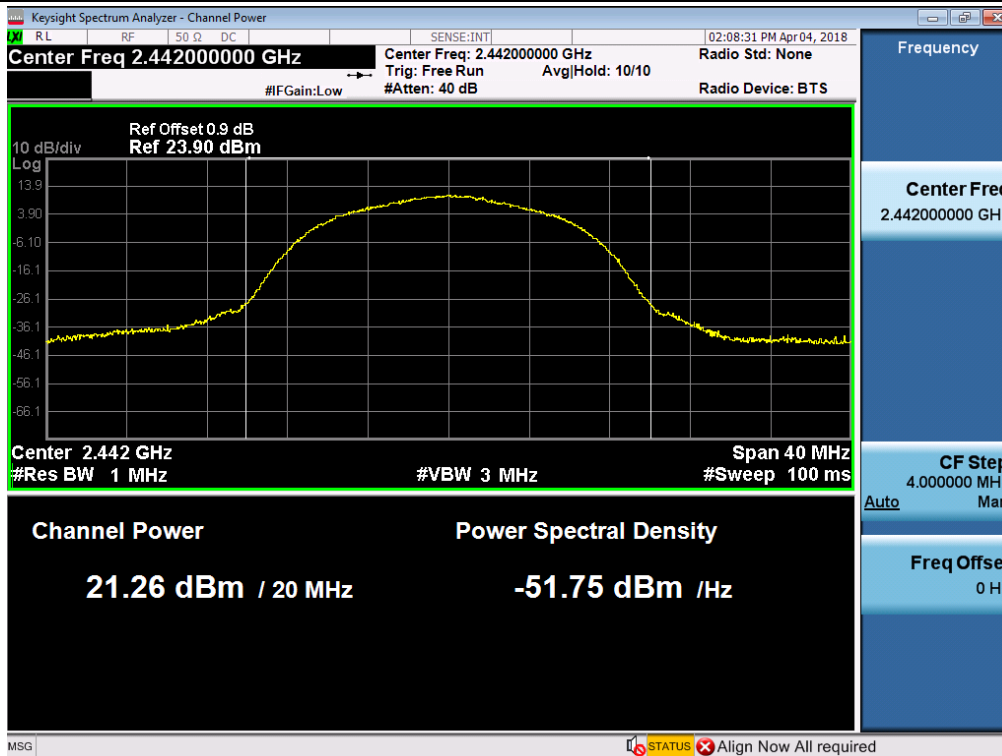
| Test Mode | Test Channel | Ant | Power[dBm] | Limit[dBm] | Verdict |
|-----------|--------------|------|------------|------------|---------|
| 11B | 2412 | Ant1 | 21.12 | 30 | PASS |
| 11B | 2442 | Ant1 | 21.26 | 30 | PASS |
| 11B | 2462 | Ant1 | 21.23 | 30 | PASS |
| 11G | 2412 | Ant1 | 22.63 | 30 | PASS |
| 11G | 2442 | Ant1 | 22.59 | 30 | PASS |
| 11G | 2462 | Ant1 | 22.77 | 30 | PASS |
| 11N20SISO | 2412 | Ant1 | 22.39 | 30 | PASS |
| 11N20SISO | 2442 | Ant1 | 22.37 | 30 | PASS |
| 11N20SISO | 2462 | Ant1 | 22.33 | 30 | PASS |

TEST PLOT

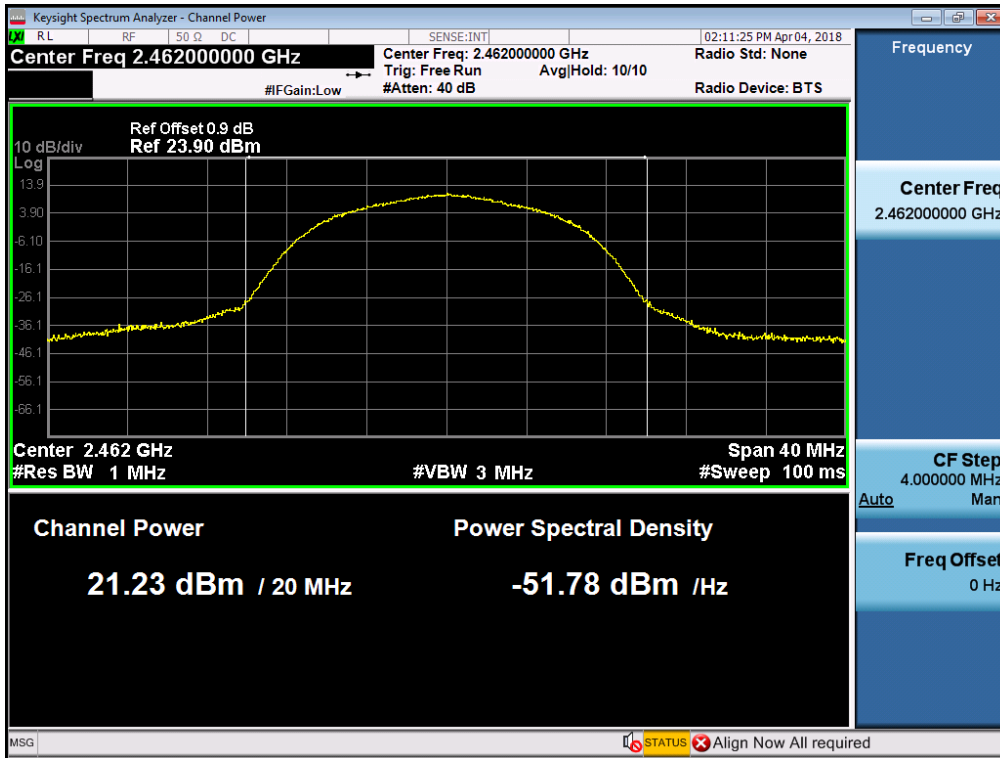
Maximum peak conducted output power_11B_2412_Ant1



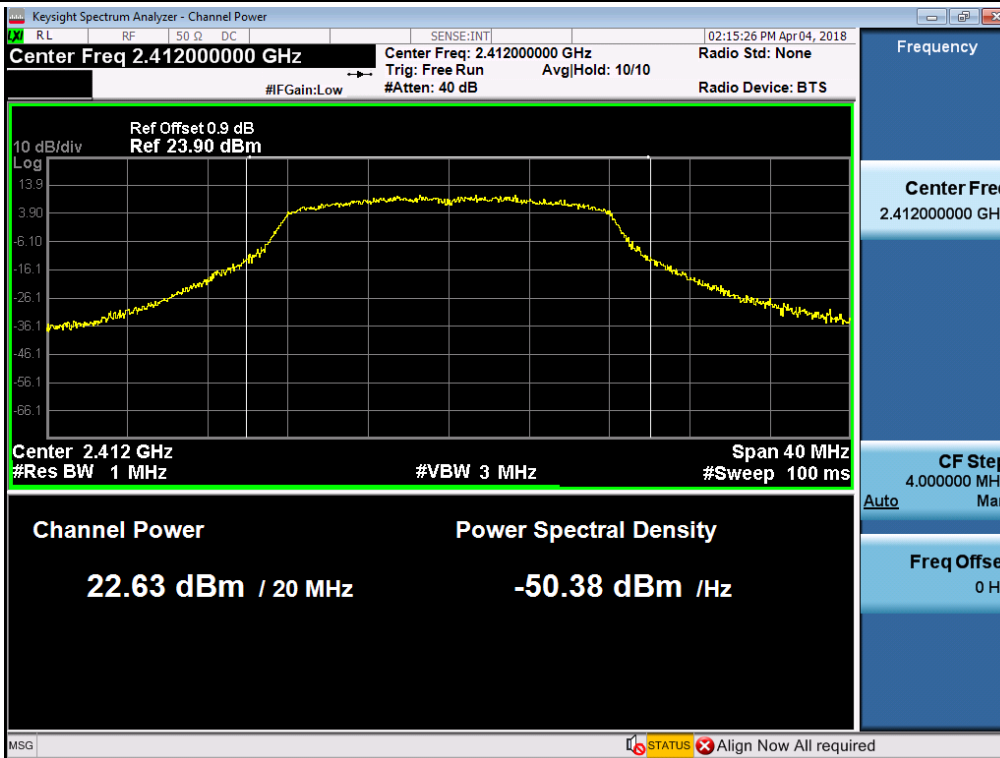
Maximum peak conducted output power_11B_2442_Ant1



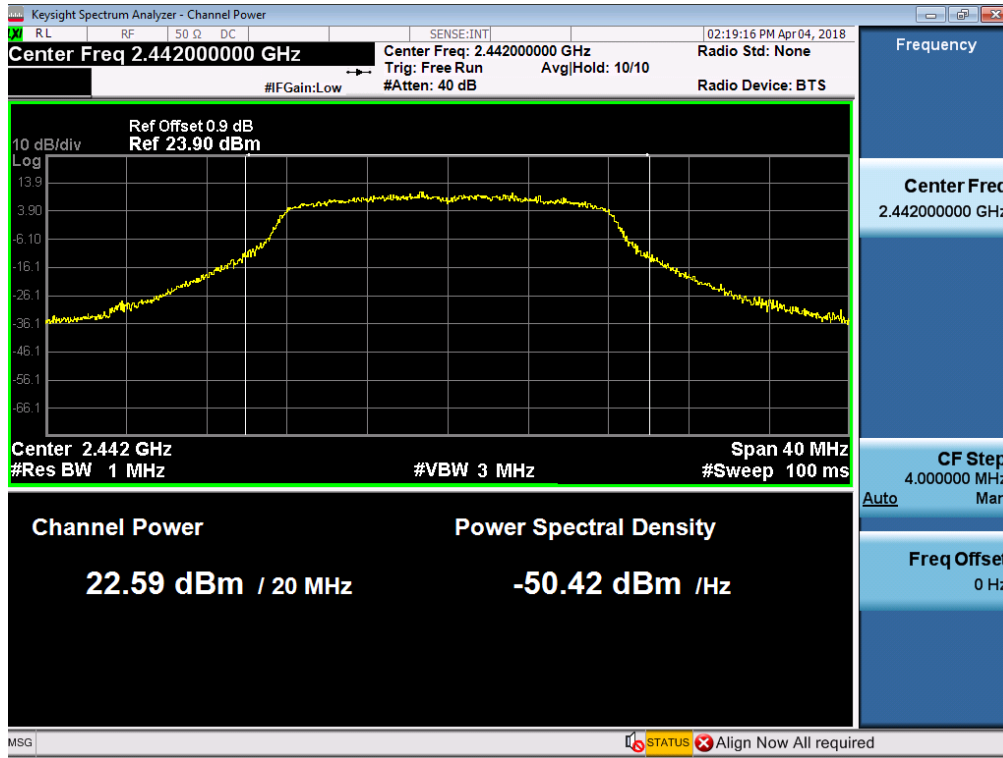
Maximum peak conducted output power_11B_2462_Ant1



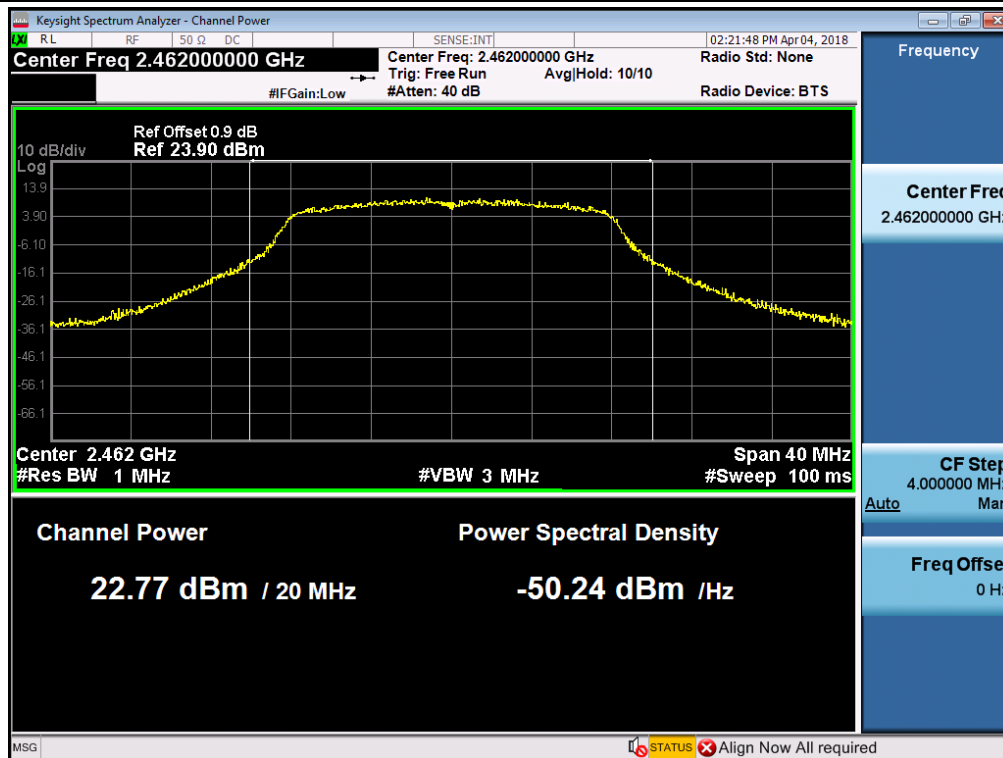
Maximum peak conducted output power_11G_2412_Ant1



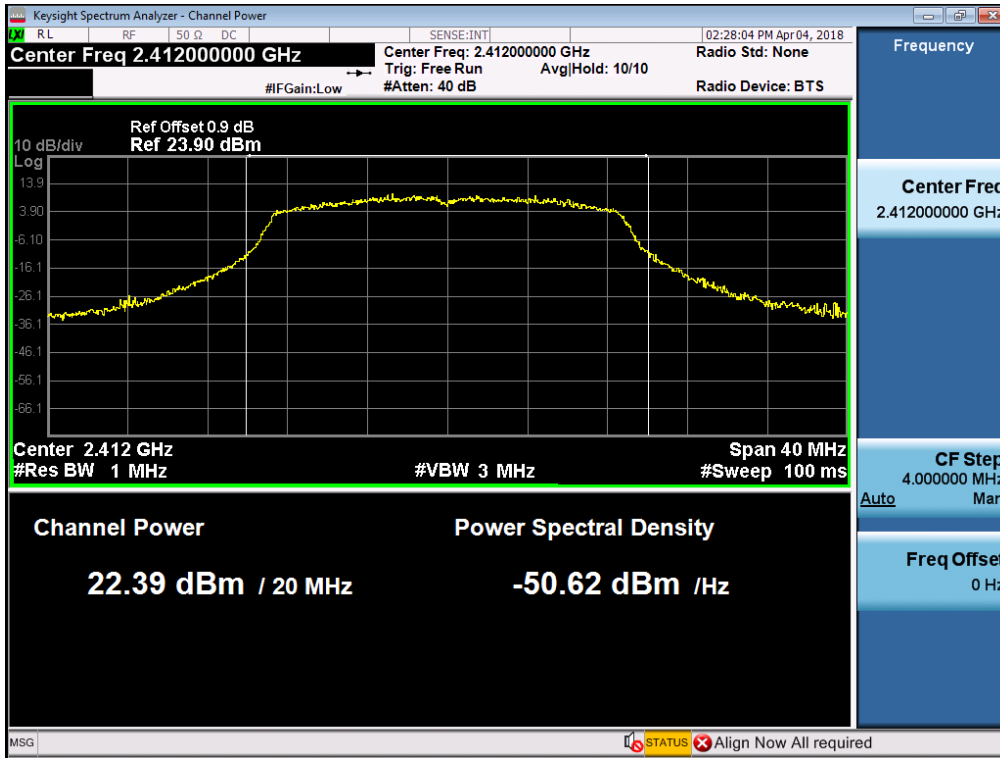
Maximum peak conducted output power_11G_2442_Ant1



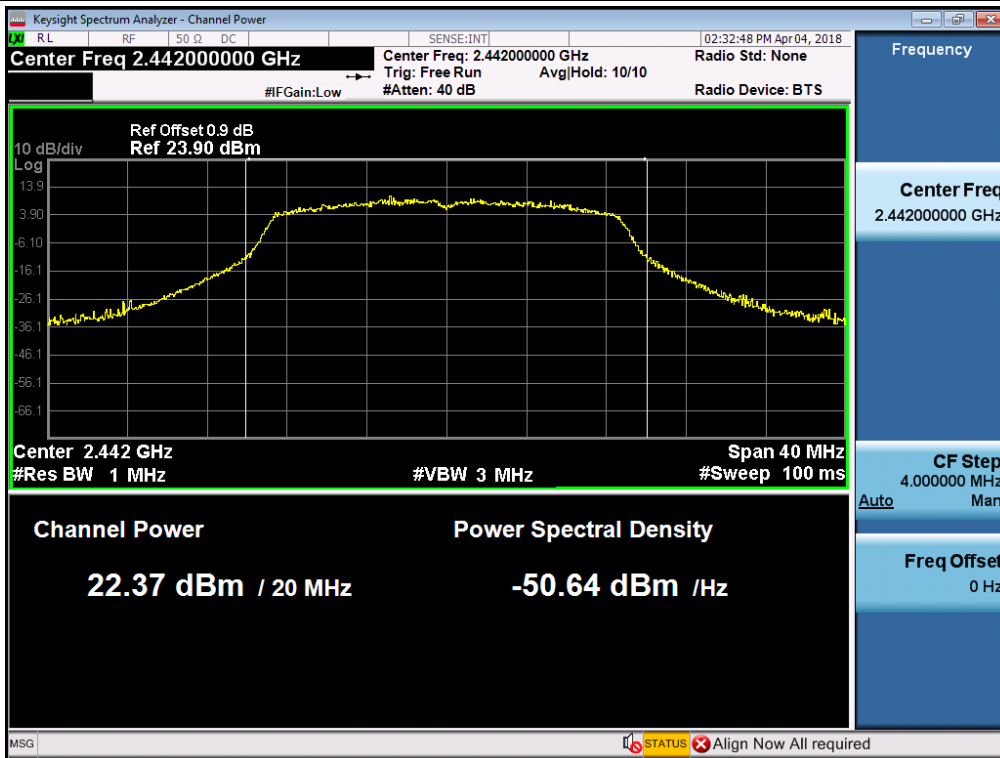
Maximum peak conducted output power_11G_2462_Ant1



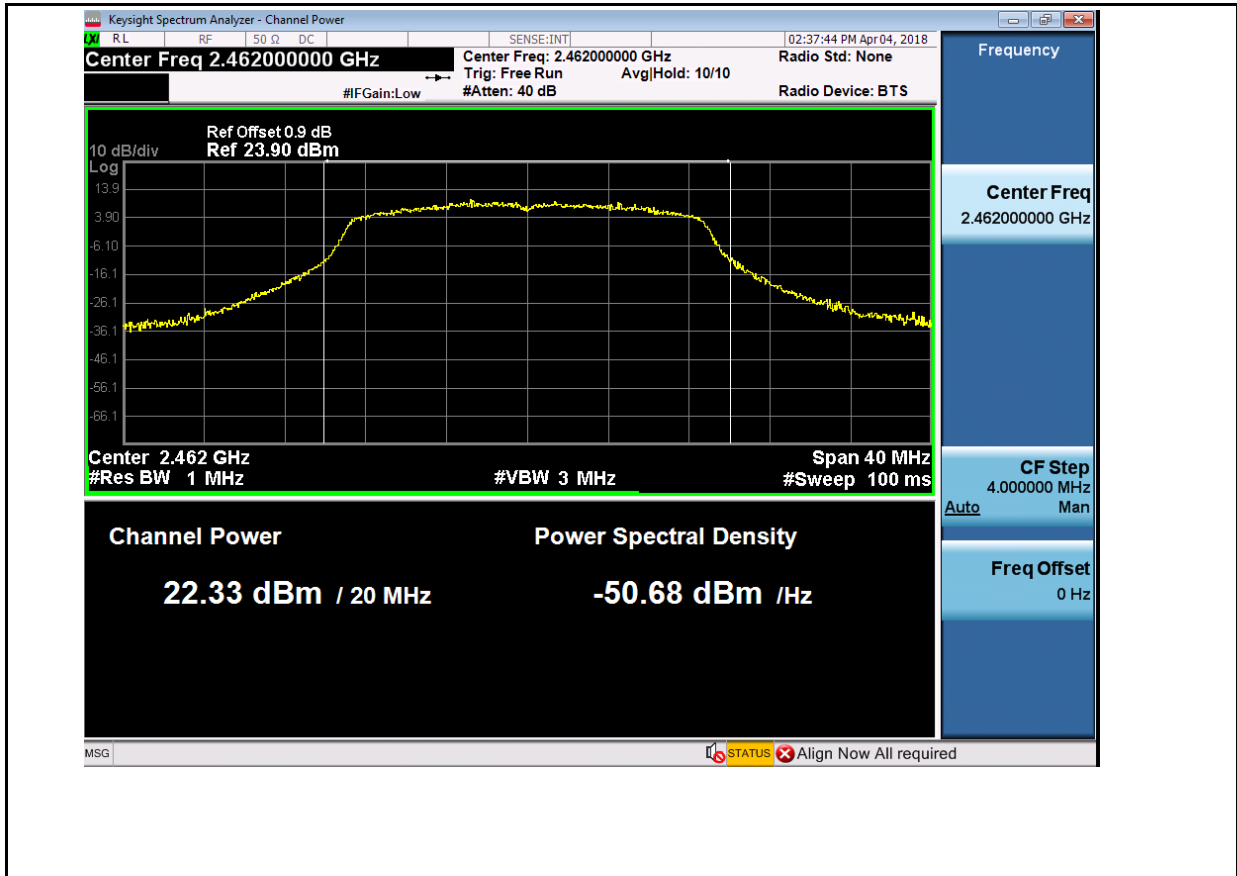
Maximum peak conducted output power_11N20SISO_2412_Ant1



Maximum peak conducted output power_11N20SISO_2442_Ant1



Maximum peak conducted output power_11N20SISO_2462_Ant1

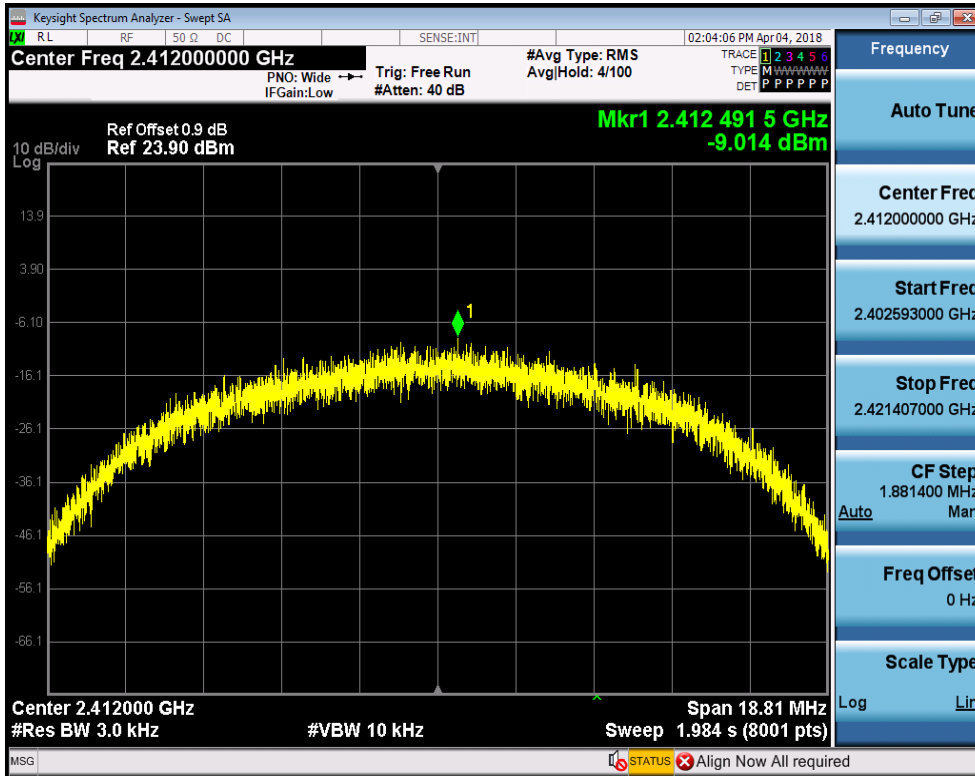


3. Maximum Peak power spectral density

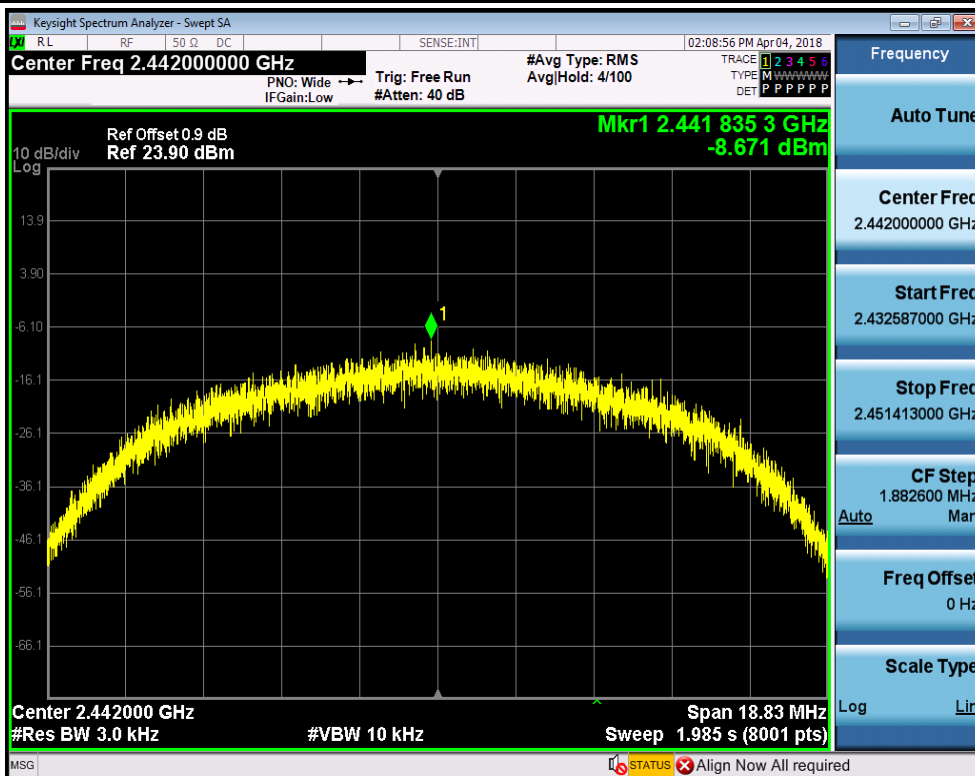
| Test Mode | Test Channel | Ant | Result | Limit[dBm/3kHz] | Verdict |
|-----------|--------------|------|---------|-----------------|---------|
| 11B | 2412 | Ant1 | -9.014 | 8.00 | PASS |
| 11B | 2442 | Ant1 | -8.671 | 8.00 | PASS |
| 11B | 2462 | Ant1 | -9.197 | 8.00 | PASS |
| 11G | 2412 | Ant1 | -11.053 | 8.00 | PASS |
| 11G | 2442 | Ant1 | -11.259 | 8.00 | PASS |
| 11G | 2462 | Ant1 | -10.556 | 8.00 | PASS |
| 11N20SISO | 2412 | Ant1 | -11.777 | 8.00 | PASS |
| 11N20SISO | 2442 | Ant1 | -10.329 | 8.00 | PASS |
| 11N20SISO | 2462 | Ant1 | -11.506 | 8.00 | PASS |

TEST PLOT

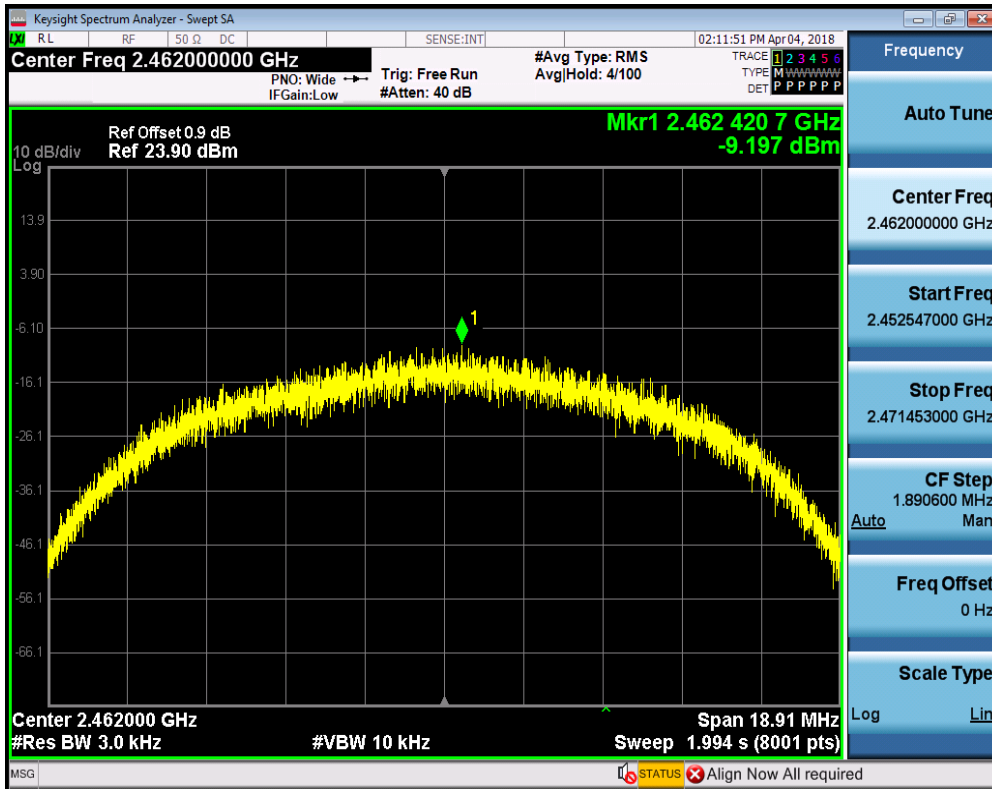
Maximum Peak power spectral density_11B_2412_Ant1



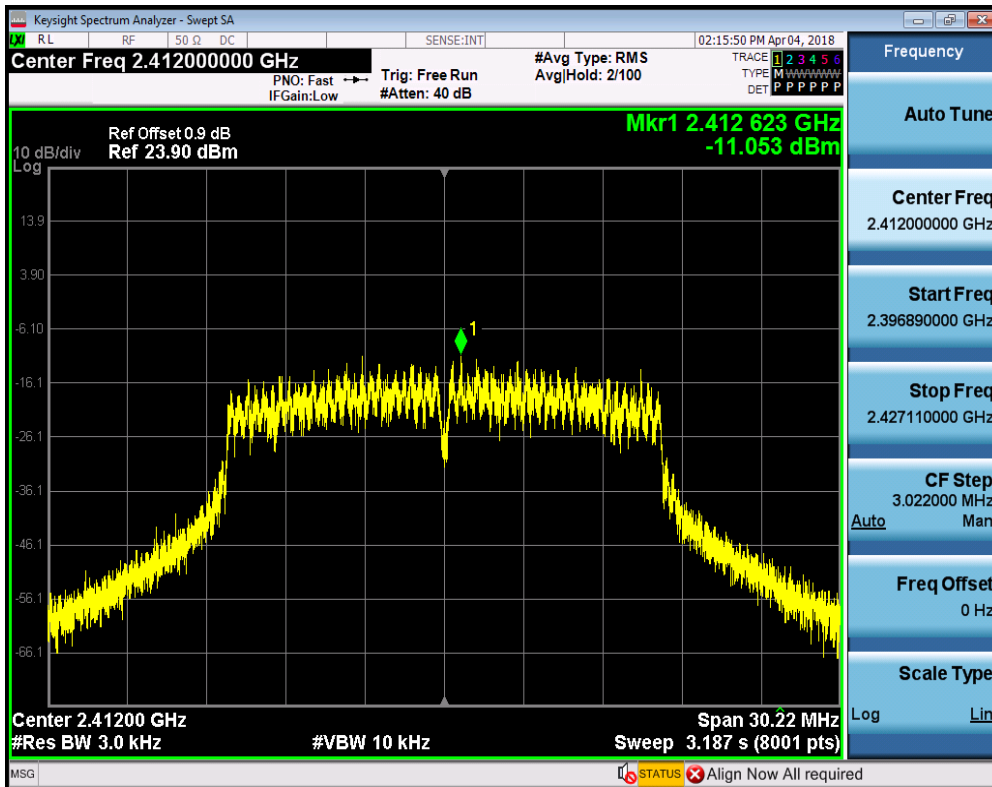
Maximum Peak power spectral density_11B_2442_Ant1



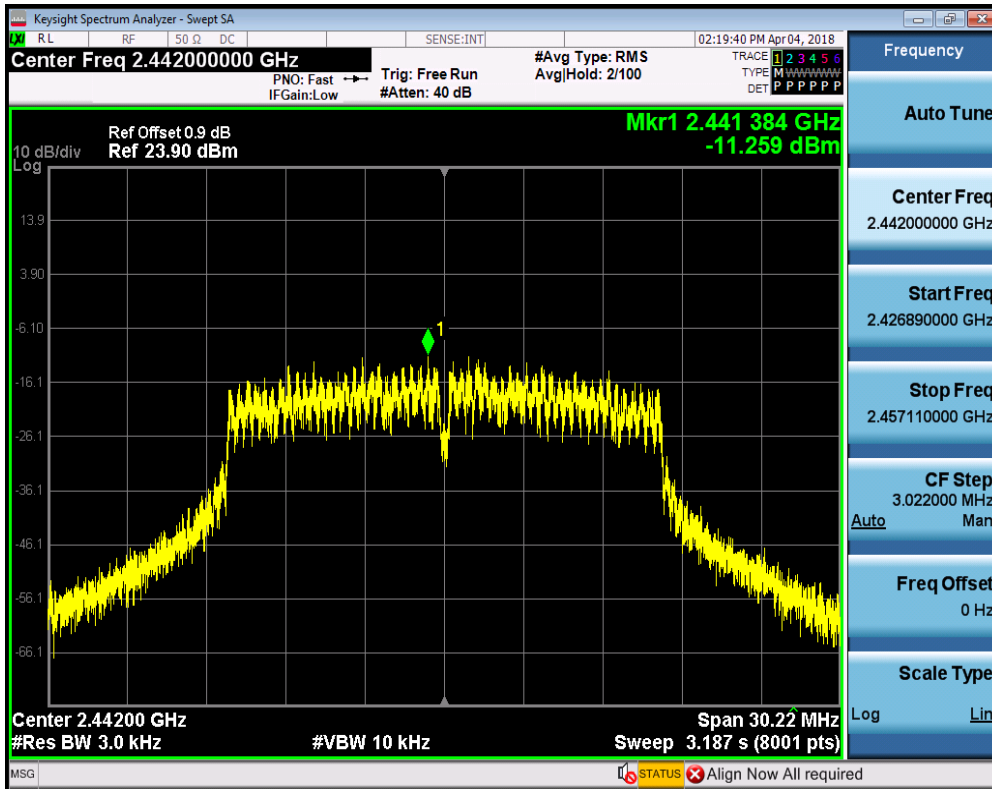
Maximum Peak power spectral density_11B_2462_Ant1



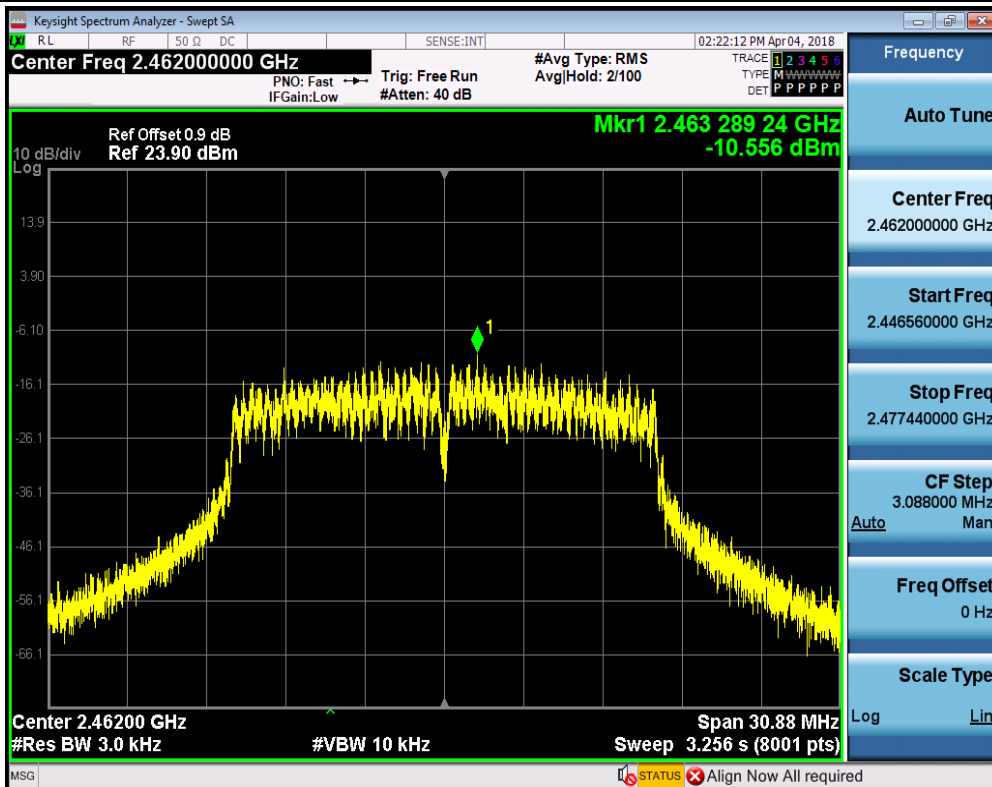
Maximum Peak power spectral density_11G_2412_Ant1



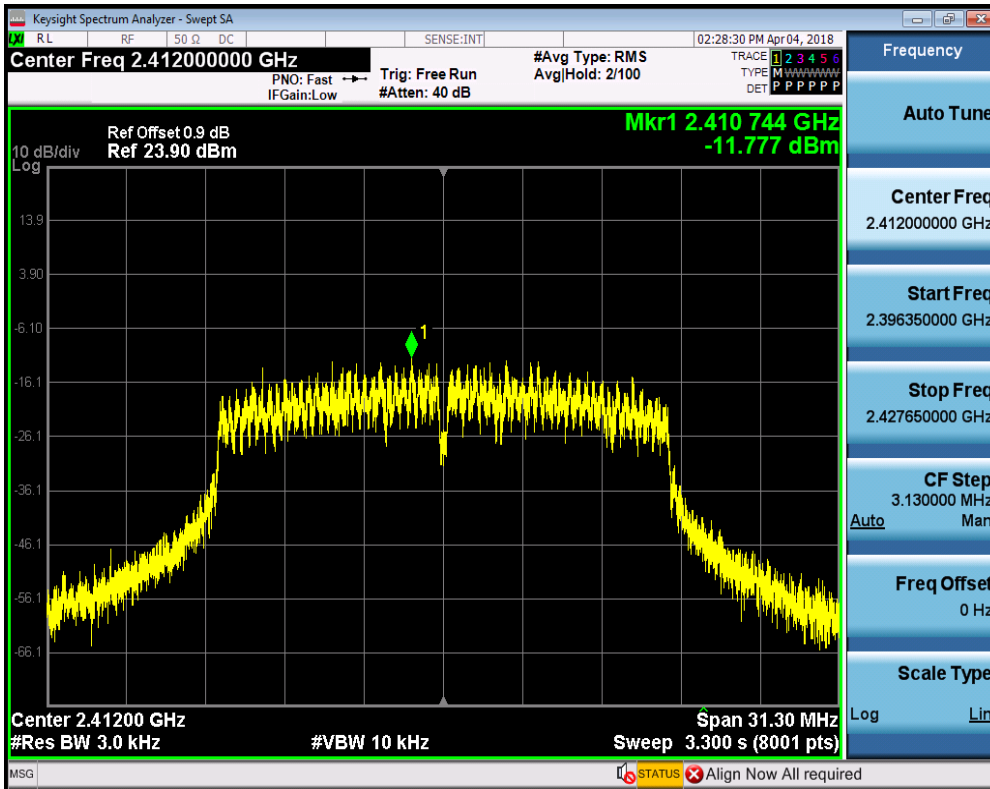
Maximum Peak power spectral density_11G_2442_Ant1



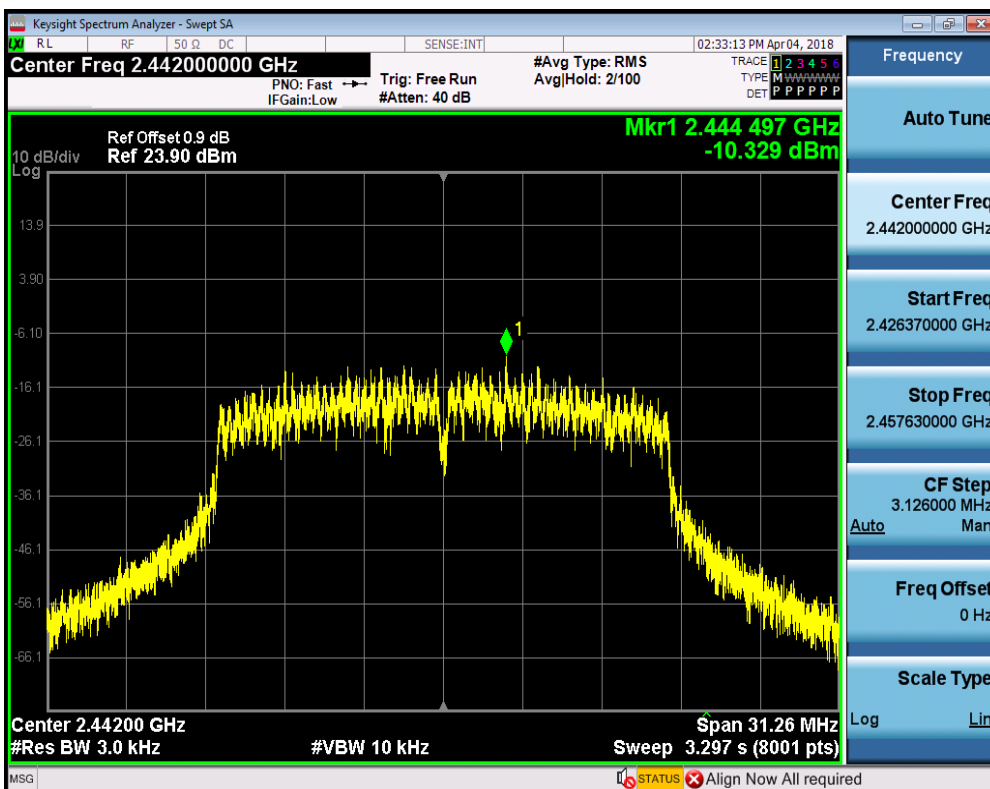
Maximum Peak power spectral density_11G_2462_Ant1

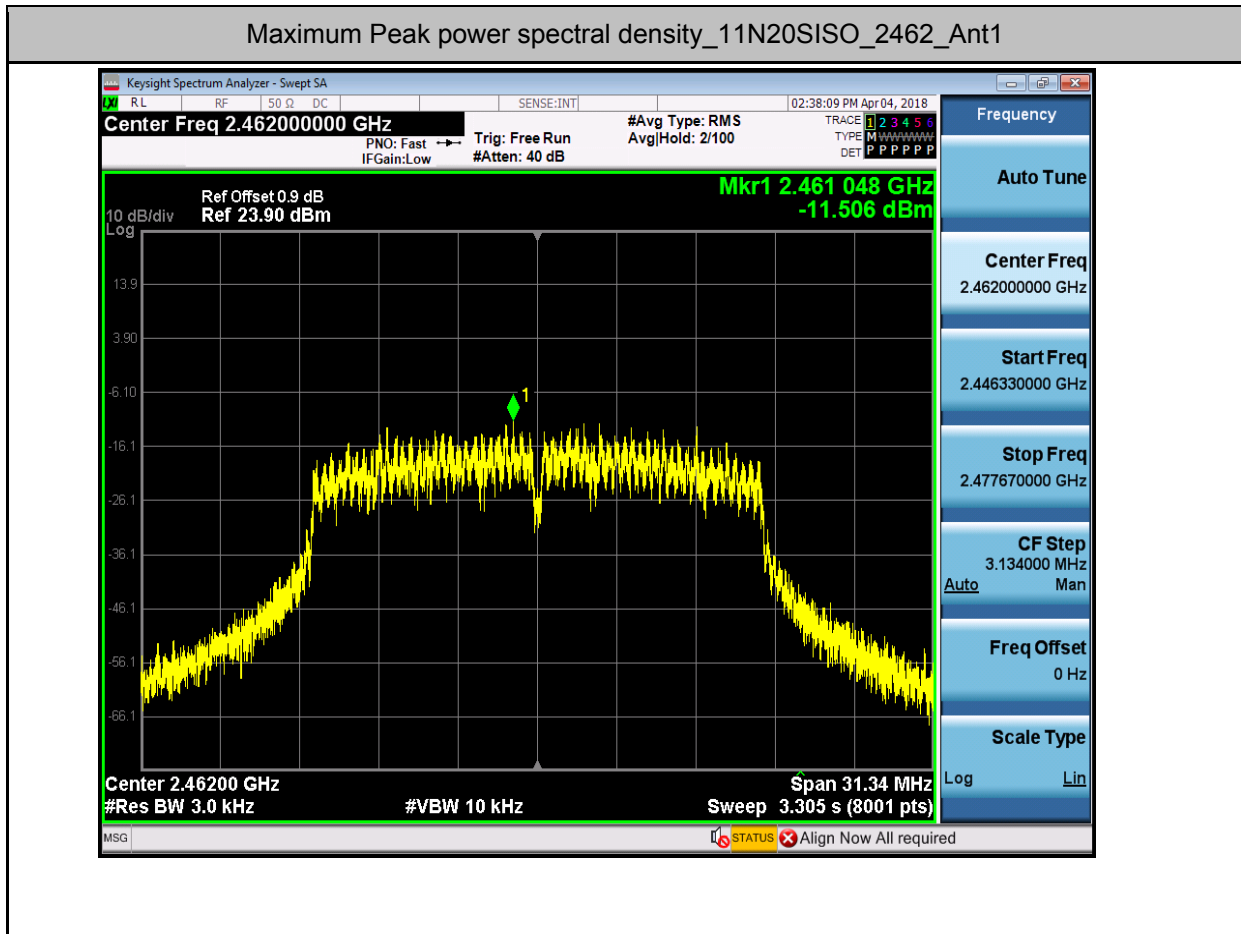


Maximum Peak power spectral density_11N20SISO_2412_Ant1



Maximum Peak power spectral density_11N20SISO_2442_Ant1



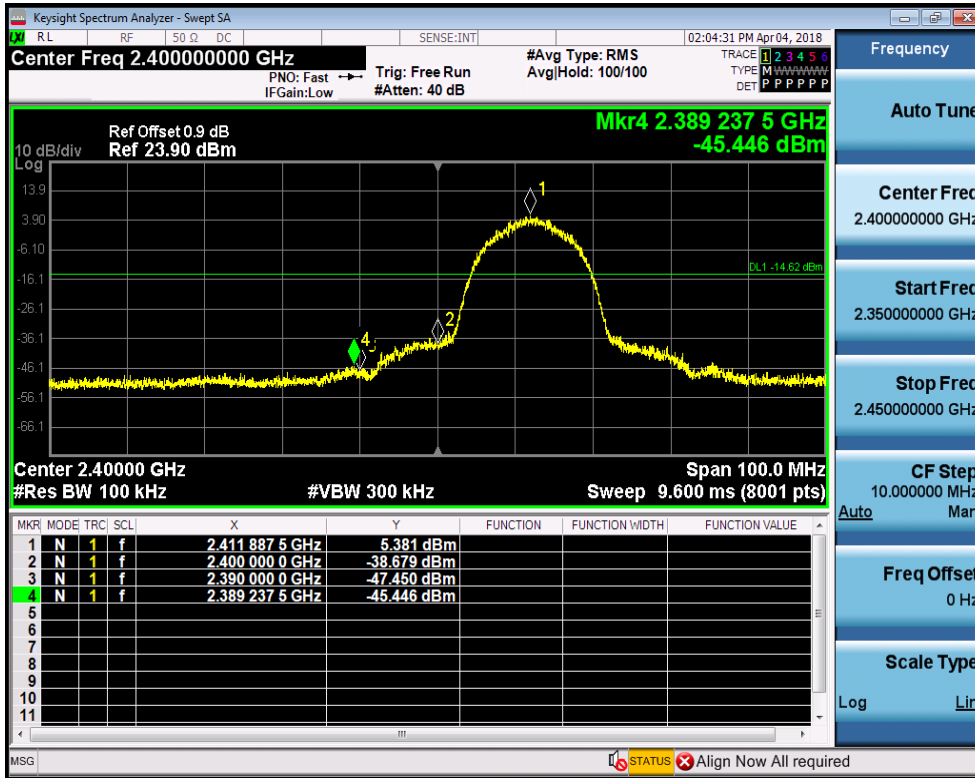


4. Band-edge for RF Conducted Emissions

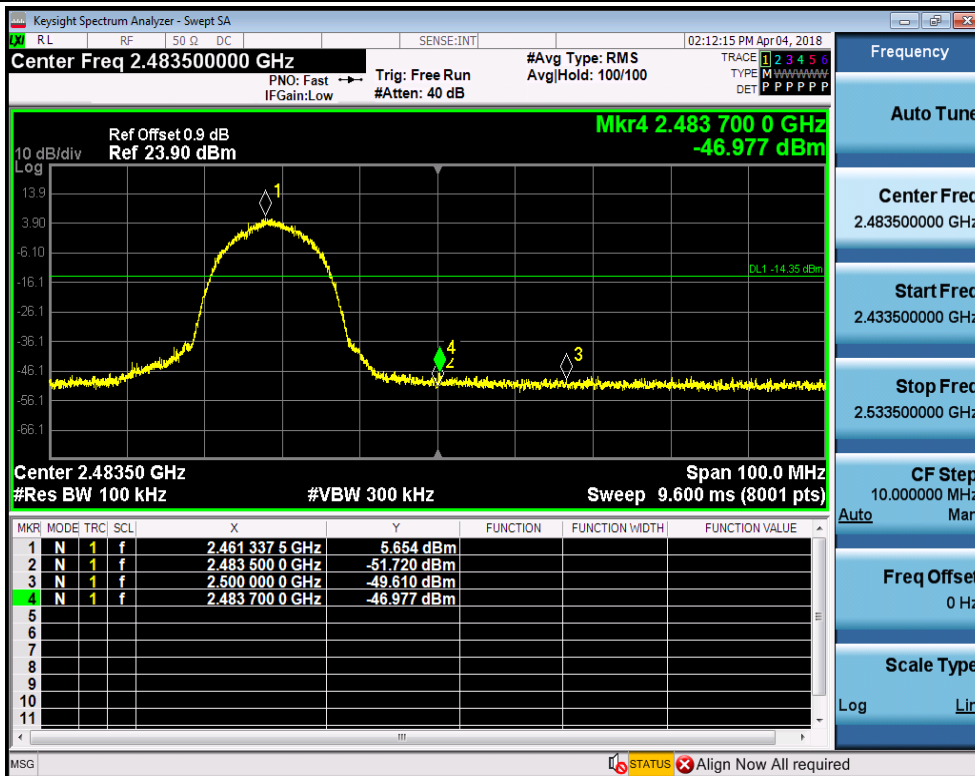
| Test Mode | Test Channel | Ant | Carrier Power[dBm] | Max. Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|--------------------|---------------------------|-------------|---------|
| 11B | 2412 | Ant1 | 5.381 | -45.446 | -14.62 | PASS |
| 11B | 2462 | Ant1 | 5.654 | -46.977 | -14.35 | PASS |
| 11G | 2412 | Ant1 | 4.052 | -45.633 | -15.95 | PASS |
| 11G | 2462 | Ant1 | 4.126 | -43.748 | -15.87 | PASS |
| 11N20SISO | 2412 | Ant1 | 4.065 | -42.219 | -15.94 | PASS |
| 11N20SISO | 2462 | Ant1 | 3.926 | -44.022 | -16.07 | PASS |

TEST PLOT

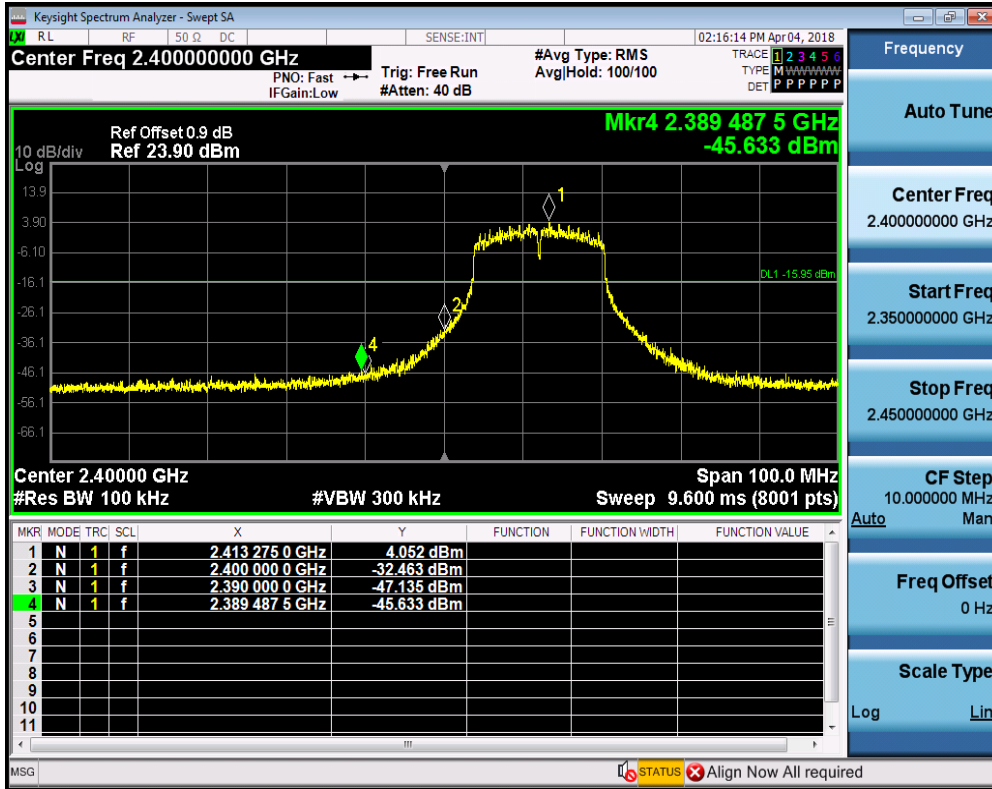
Band-edge for RF Conducted Emissions_11B_2412_Ant1



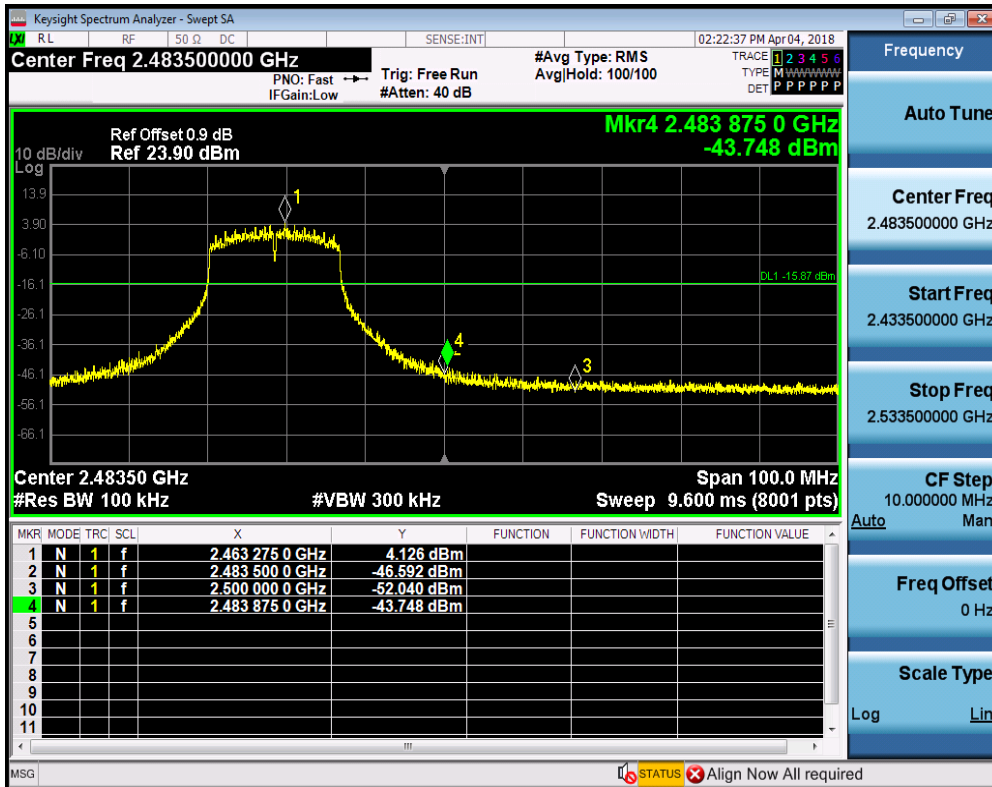
Band-edge for RF Conducted Emissions_11B_2462_Ant1



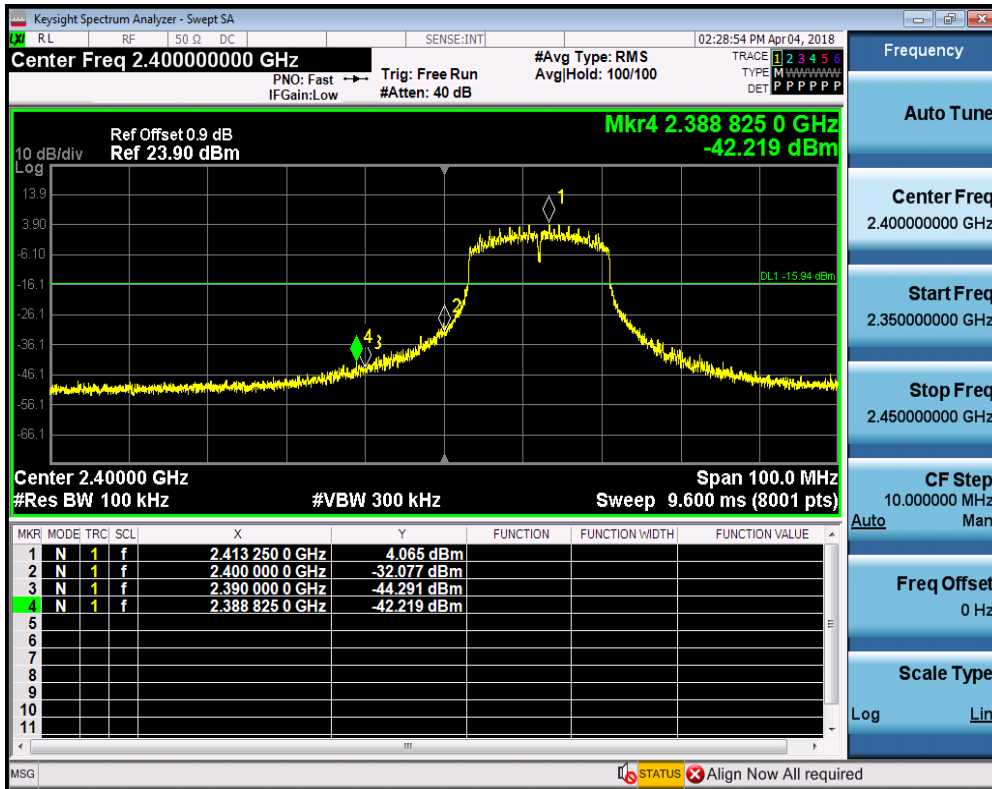
Band-edge for RF Conducted Emissions_11G_2412_Ant1



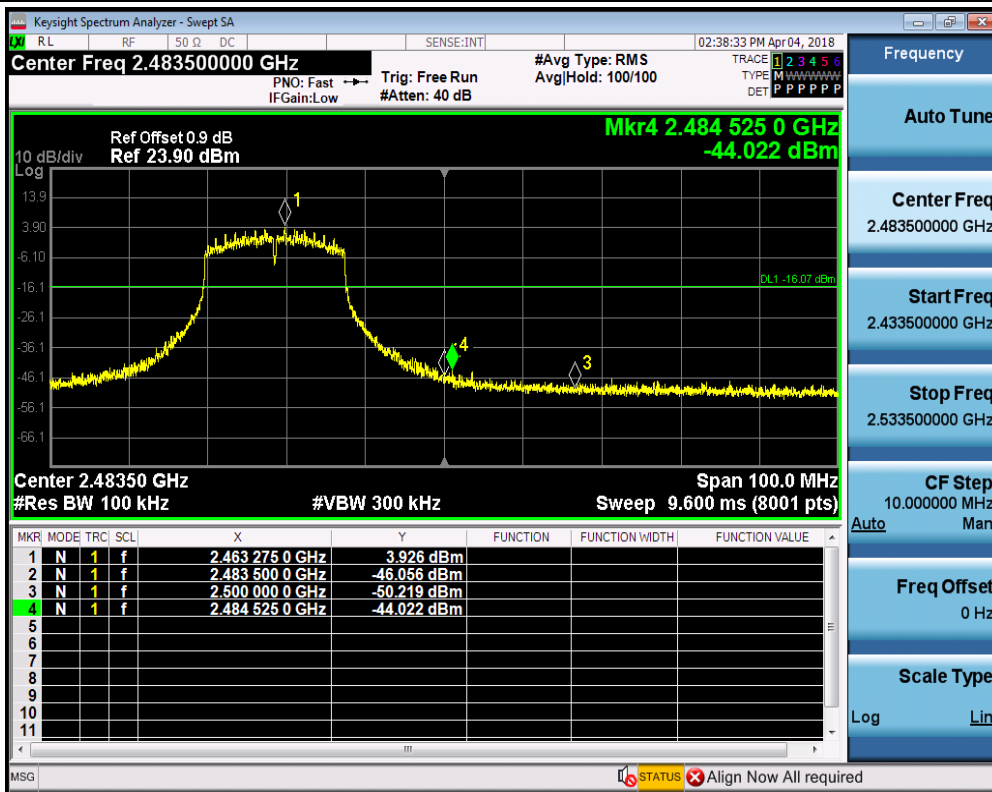
Band-edge for RF Conducted Emissions_11G_2462_Ant1



Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1

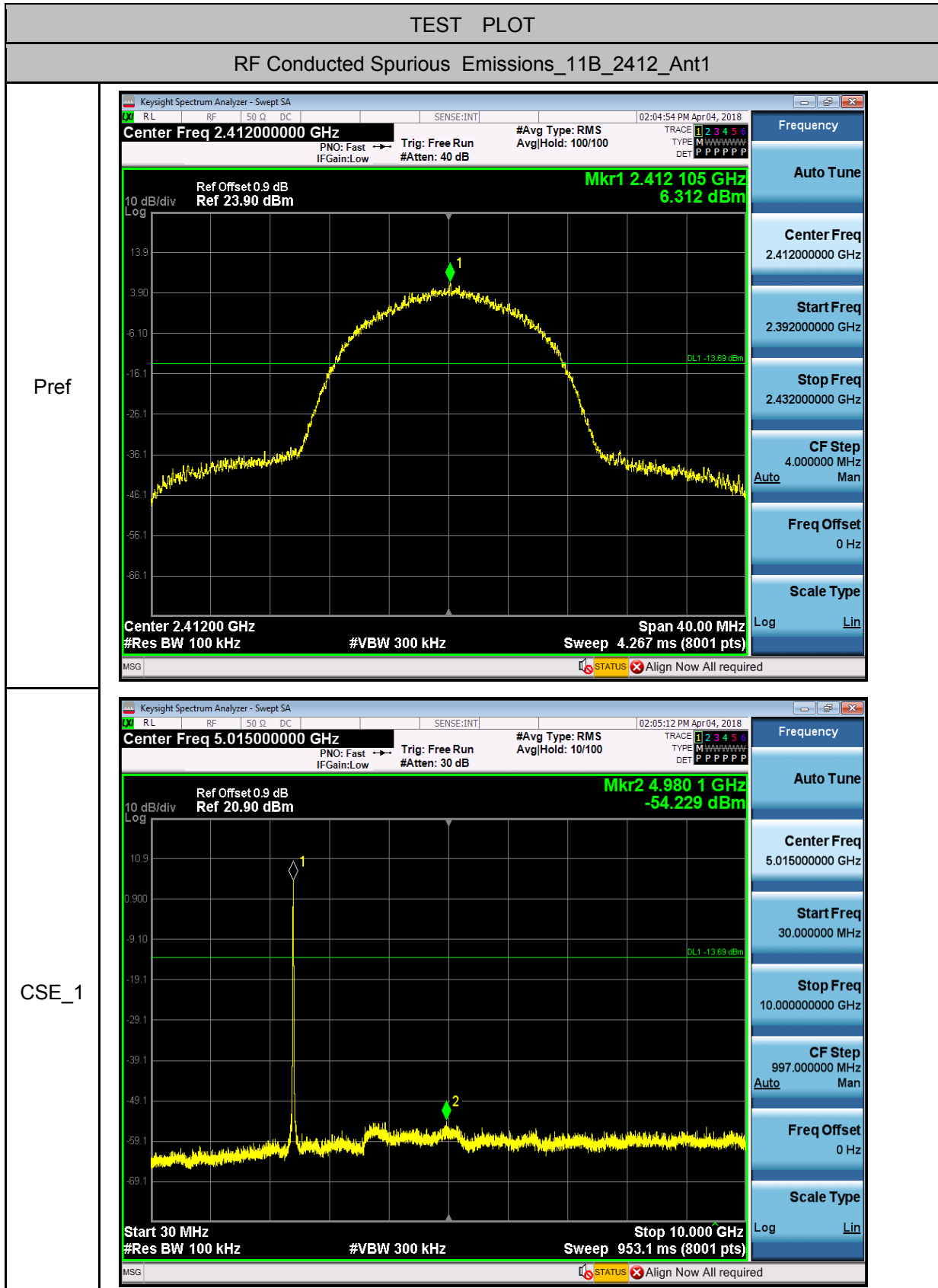


Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1

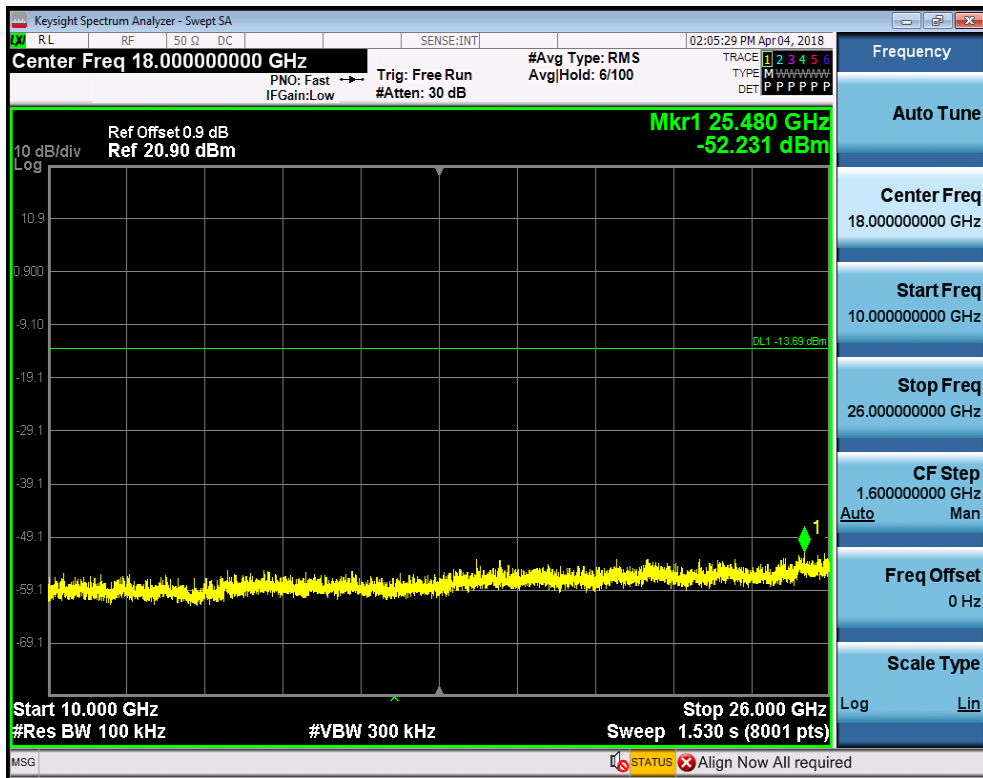


5.RF Conducted Spurious Emissions

| Test Mode | Test Channel | Ant | StartFre [MHz] | StopFre [MHz] | RBW [kHz] | VBW [kHz] | Pref[dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|-----------|--------------|------|----------------|---------------|-----------|-----------|-----------|------------------|-------------|---------|
| 11B | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 6.312 | -54.229 | <-13.688 | PASS |
| 11B | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 6.312 | -52.231 | <-13.688 | PASS |
| 11B | 2442 | Ant1 | 30 | 10000 | 100 | 300 | 6.209 | -53.743 | <-13.791 | PASS |
| 11B | 2442 | Ant1 | 10000 | 26000 | 100 | 300 | 6.209 | -52.128 | <-13.791 | PASS |
| 11B | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 6.281 | -54.098 | <-13.719 | PASS |
| 11B | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 6.281 | -52.289 | <-13.719 | PASS |
| 11G | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 4.026 | -53.943 | <-15.974 | PASS |
| 11G | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 4.026 | -51.797 | <-15.974 | PASS |
| 11G | 2442 | Ant1 | 30 | 10000 | 100 | 300 | 4.045 | -53.818 | <-15.955 | PASS |
| 11G | 2442 | Ant1 | 10000 | 26000 | 100 | 300 | 4.045 | -52.647 | <-15.955 | PASS |
| 11G | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 4.048 | -53.695 | <-15.952 | PASS |
| 11G | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 4.048 | -52.426 | <-15.952 | PASS |
| 11N20SISO | 2412 | Ant1 | 30 | 10000 | 100 | 300 | 4.374 | -53.933 | <-15.626 | PASS |
| 11N20SISO | 2412 | Ant1 | 10000 | 26000 | 100 | 300 | 4.374 | -52.090 | <-15.626 | PASS |
| 11N20SISO | 2442 | Ant1 | 30 | 10000 | 100 | 300 | 3.862 | -53.497 | <-16.138 | PASS |
| 11N20SISO | 2442 | Ant1 | 10000 | 26000 | 100 | 300 | 3.862 | -52.426 | <-16.138 | PASS |
| 11N20SISO | 2462 | Ant1 | 30 | 10000 | 100 | 300 | 3.896 | -53.587 | <-16.104 | PASS |
| 11N20SISO | 2462 | Ant1 | 10000 | 26000 | 100 | 300 | 3.896 | -52.107 | <-16.104 | PASS |

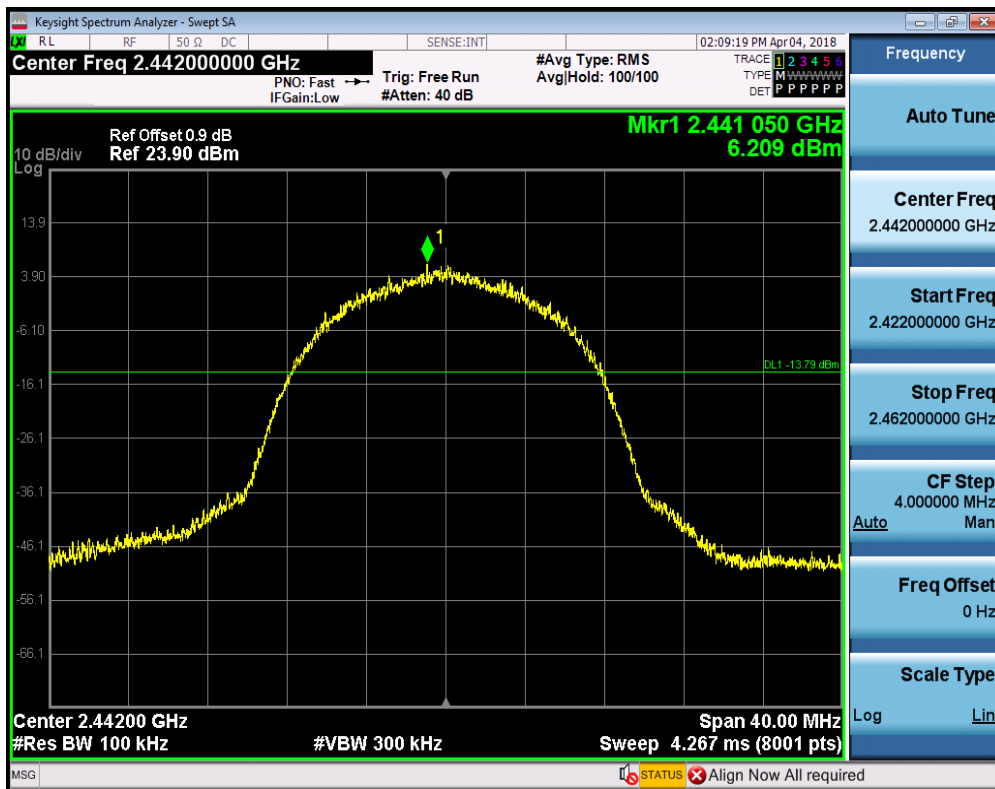


CSE_2

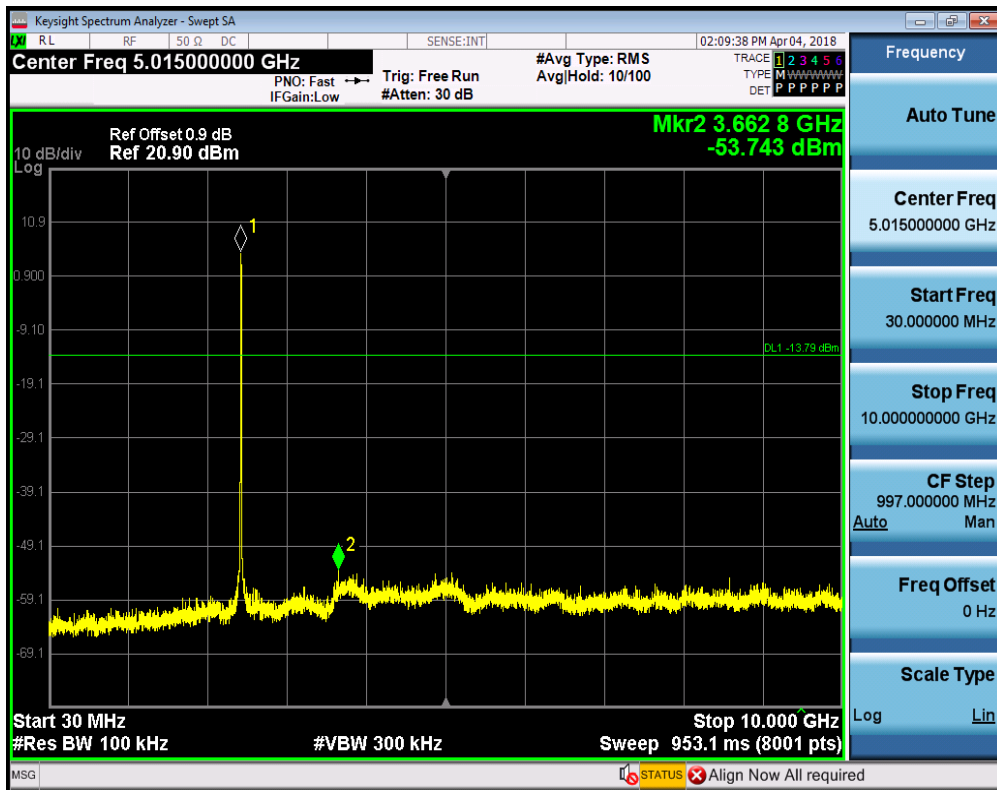


RF Conducted Spurious Emissions_11B_2442_Ant1

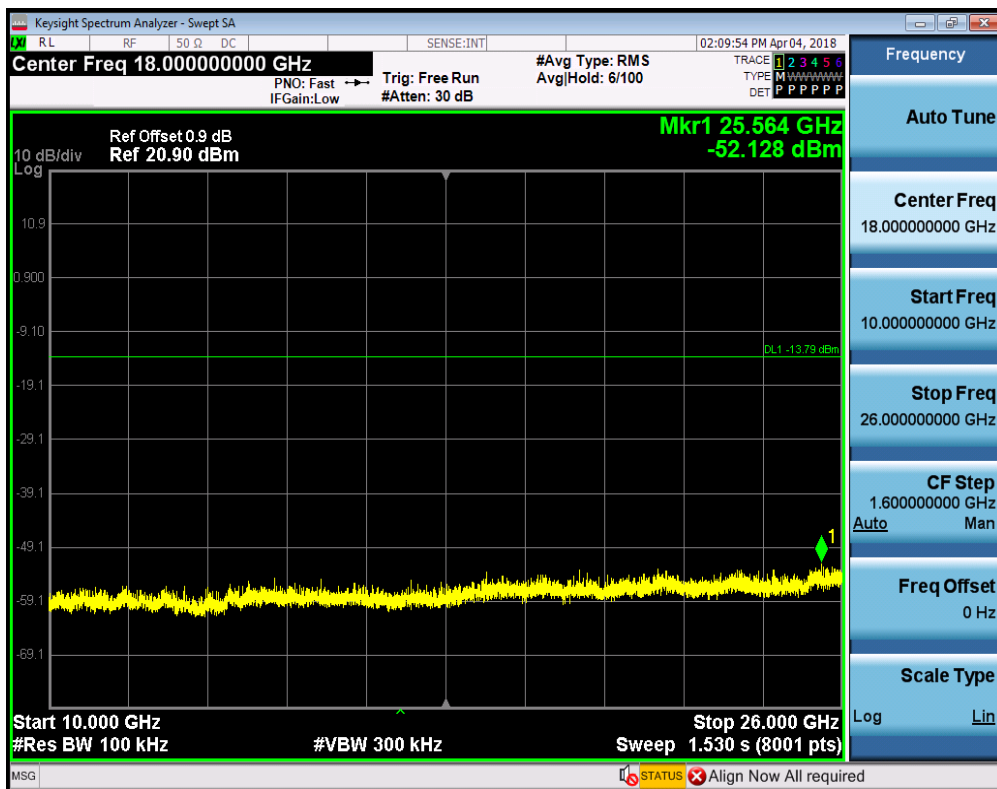
Pref



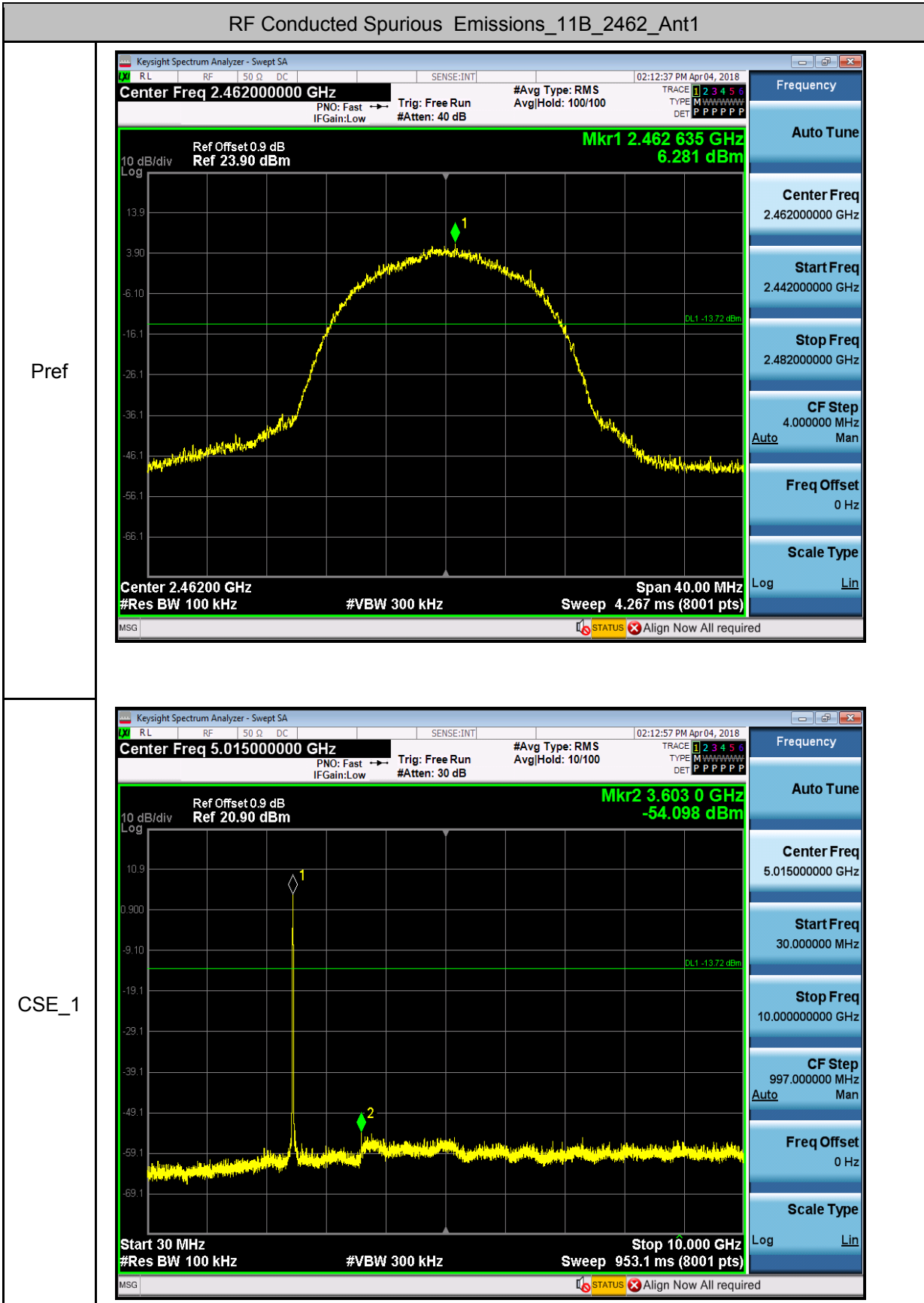
CSE_1



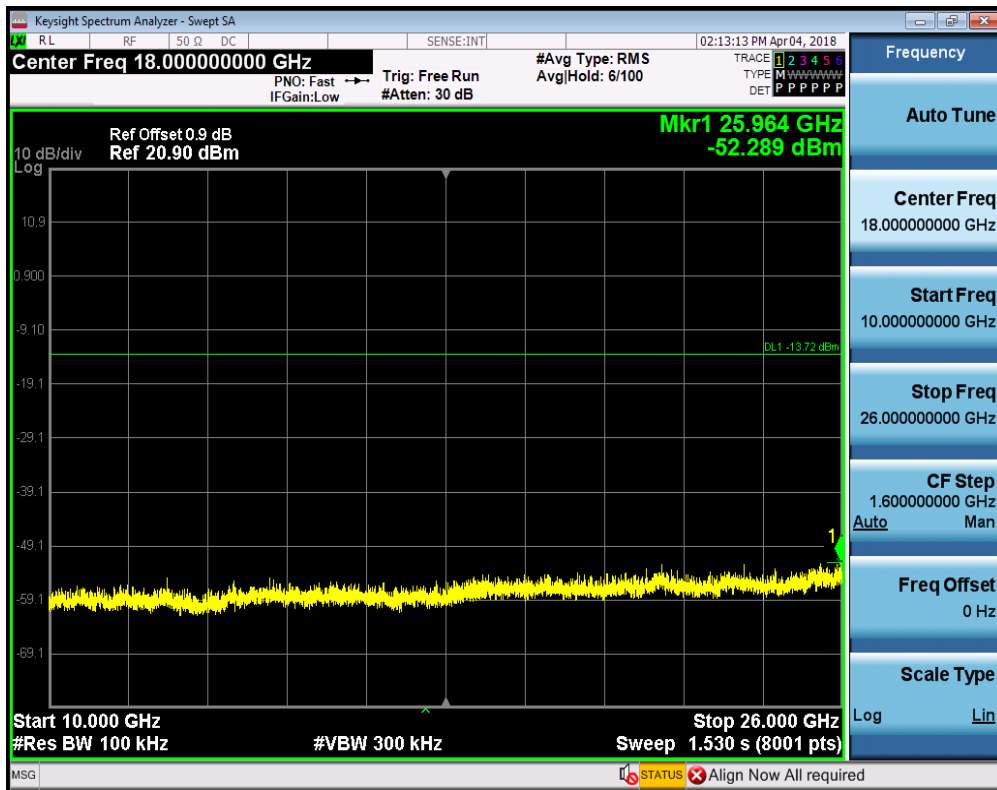
CSE_2



RF Conducted Spurious Emissions_11B_2462_Ant1

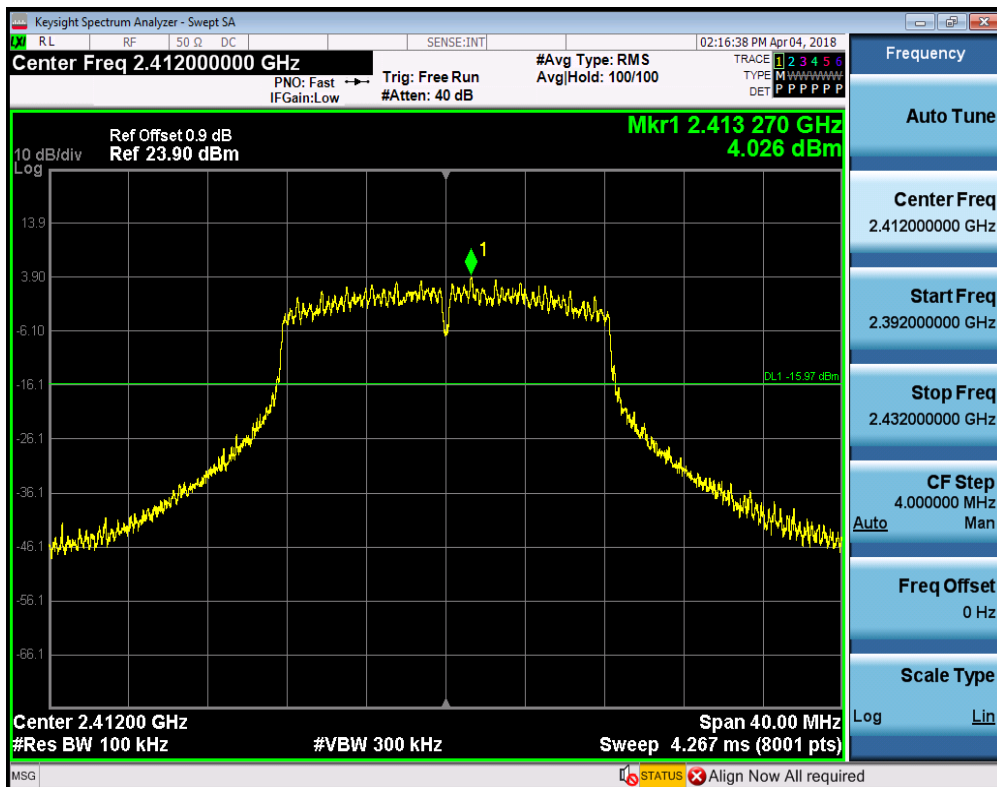


CSE_2

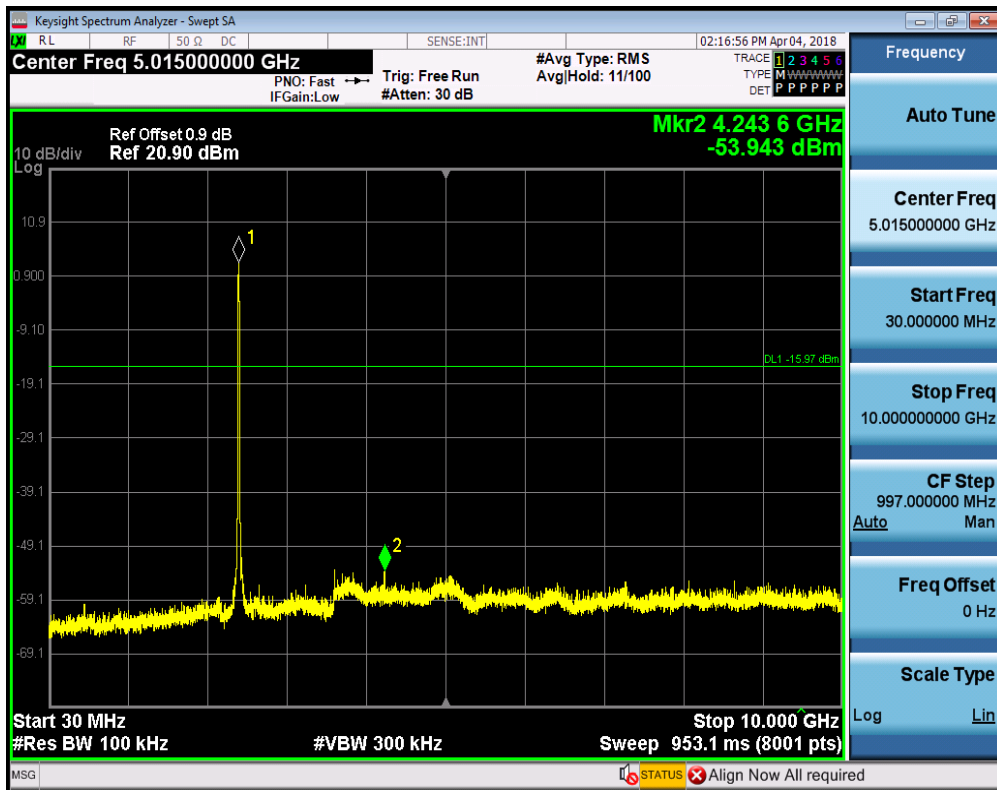


RF Conducted Spurious Emissions_11G_2412_Ant1

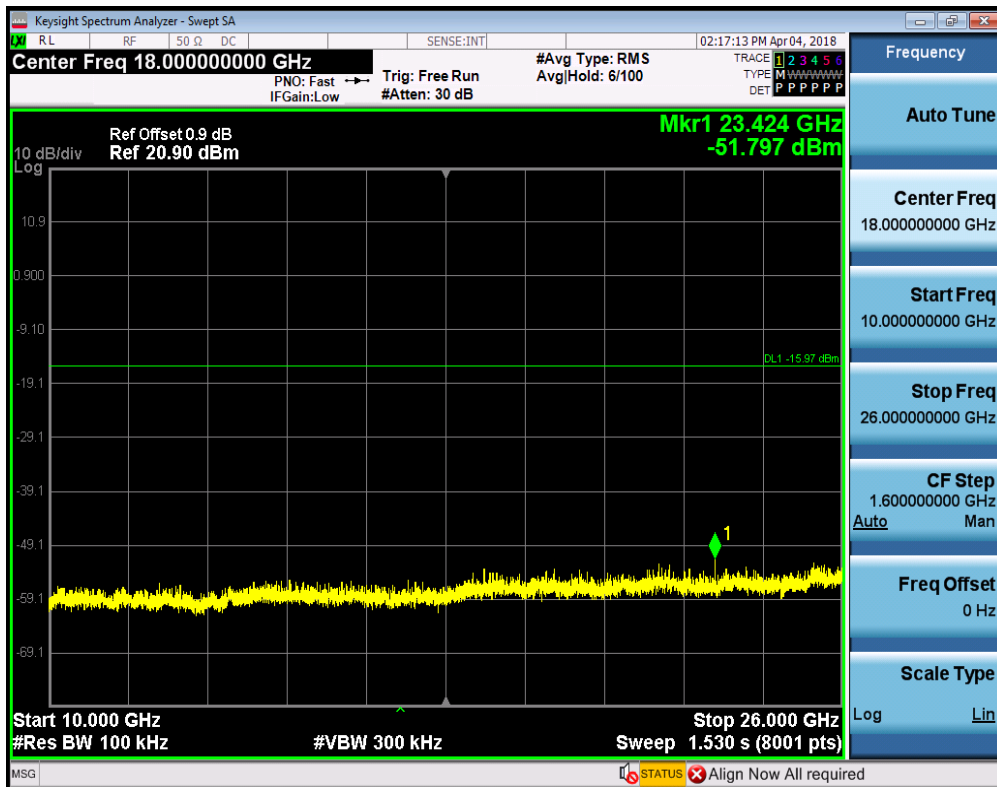
Pref



CSE_1

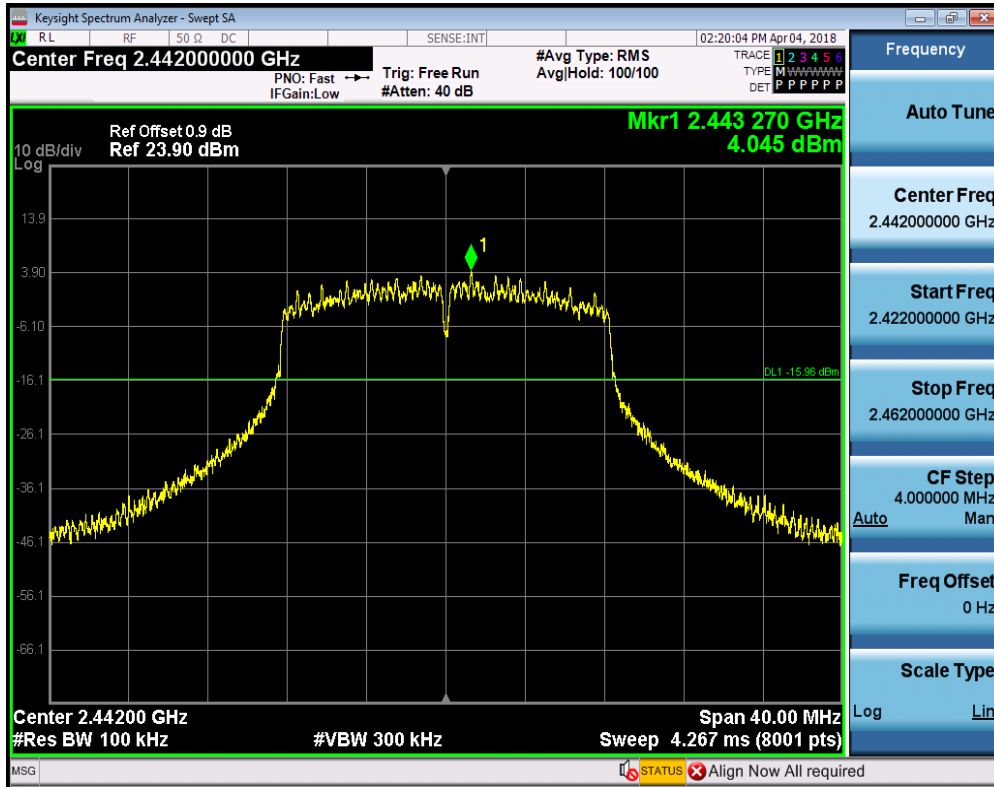


CSE_2

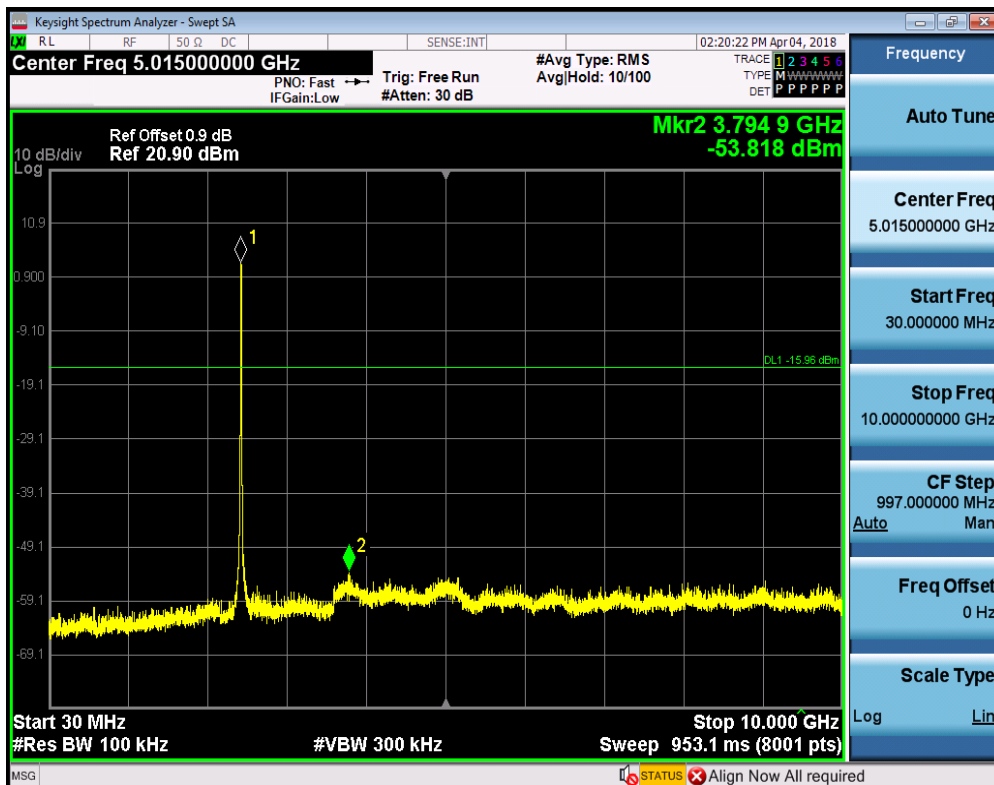


RF Conducted Spurious Emissions_11G_2442_Ant1

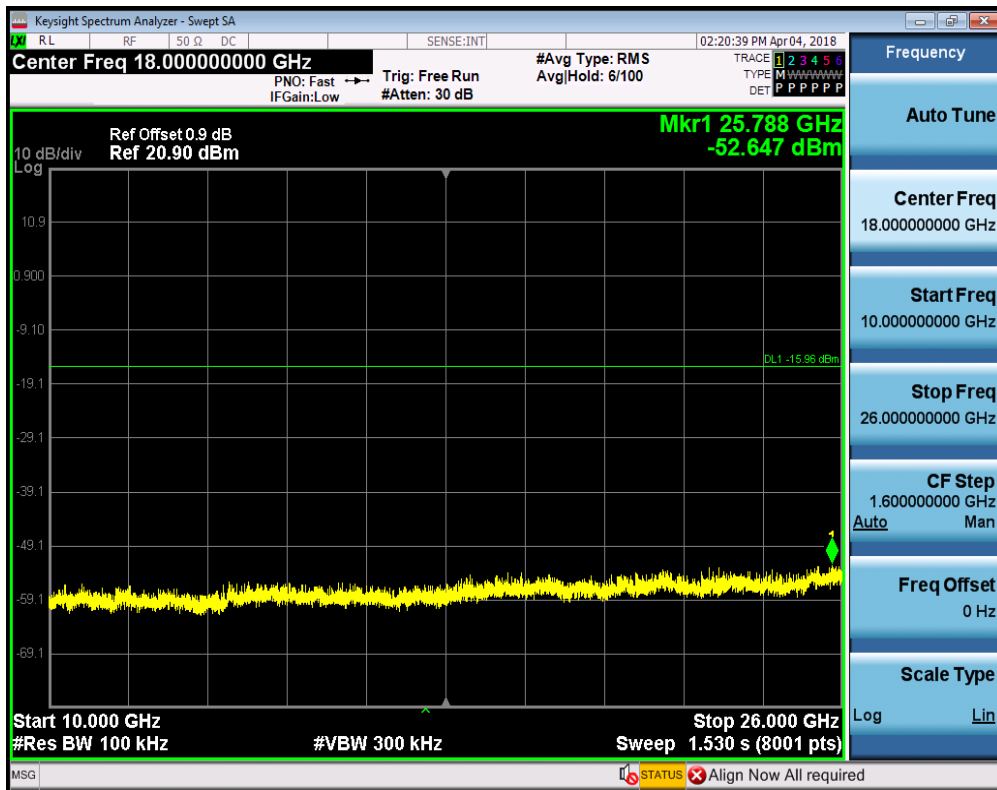
Pref



CSE_1

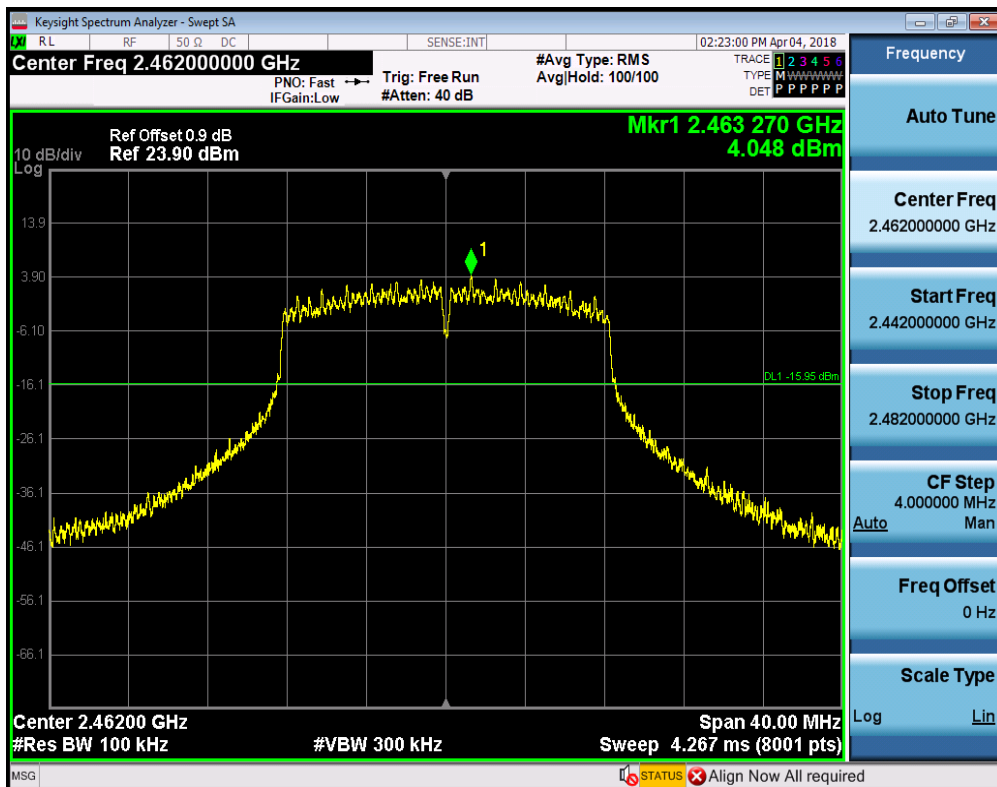


CSE_2

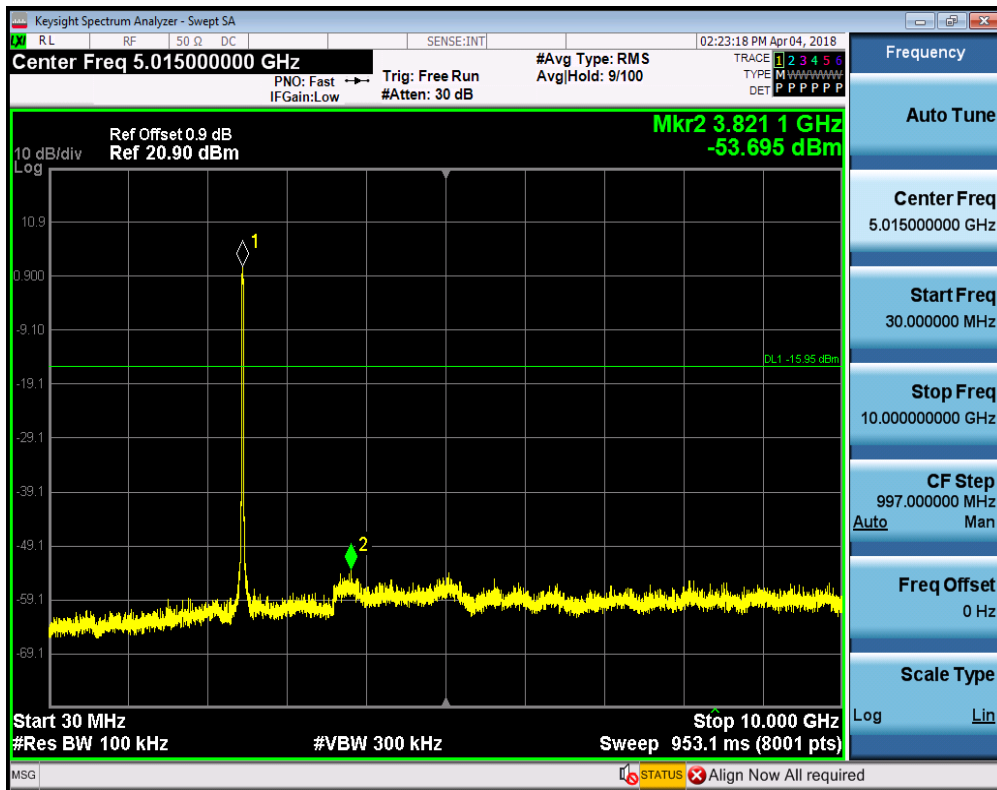


RF Conducted Spurious Emissions_11G_2462_Ant1

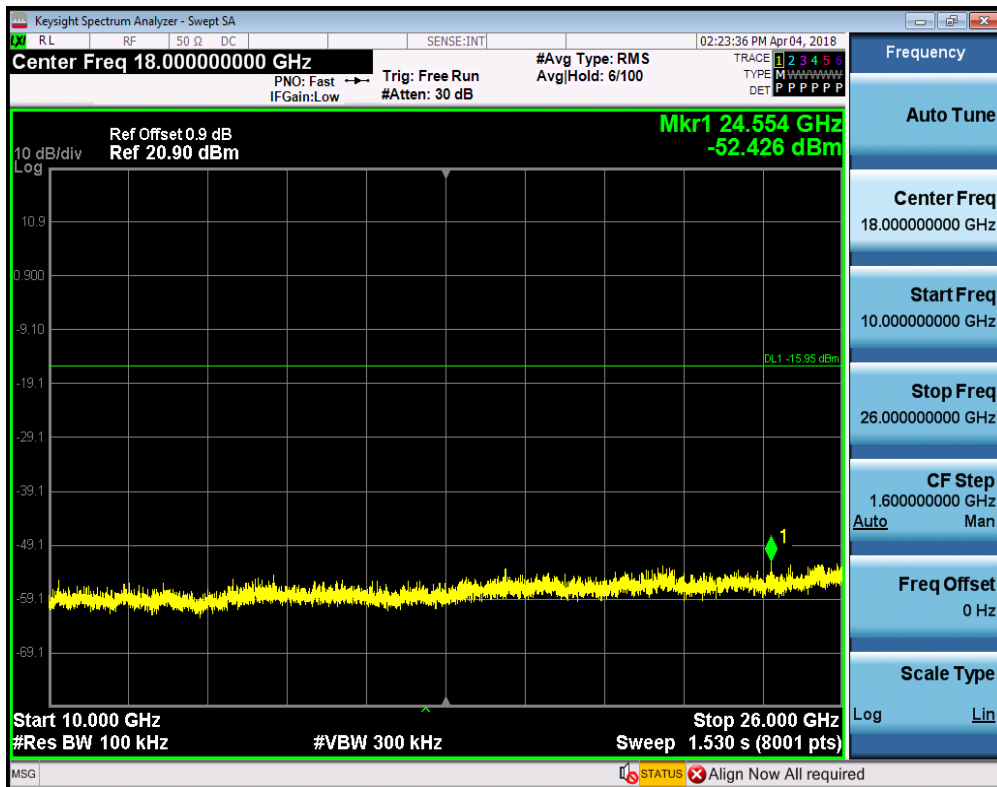
Pref



CSE_1

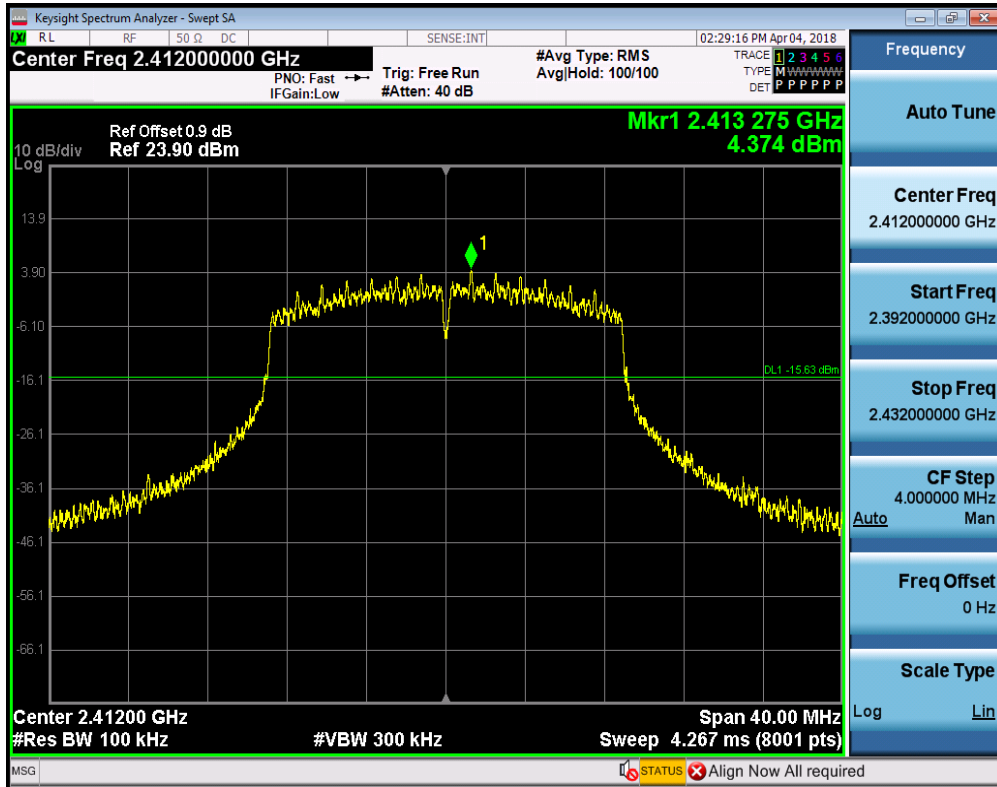


CSE_2

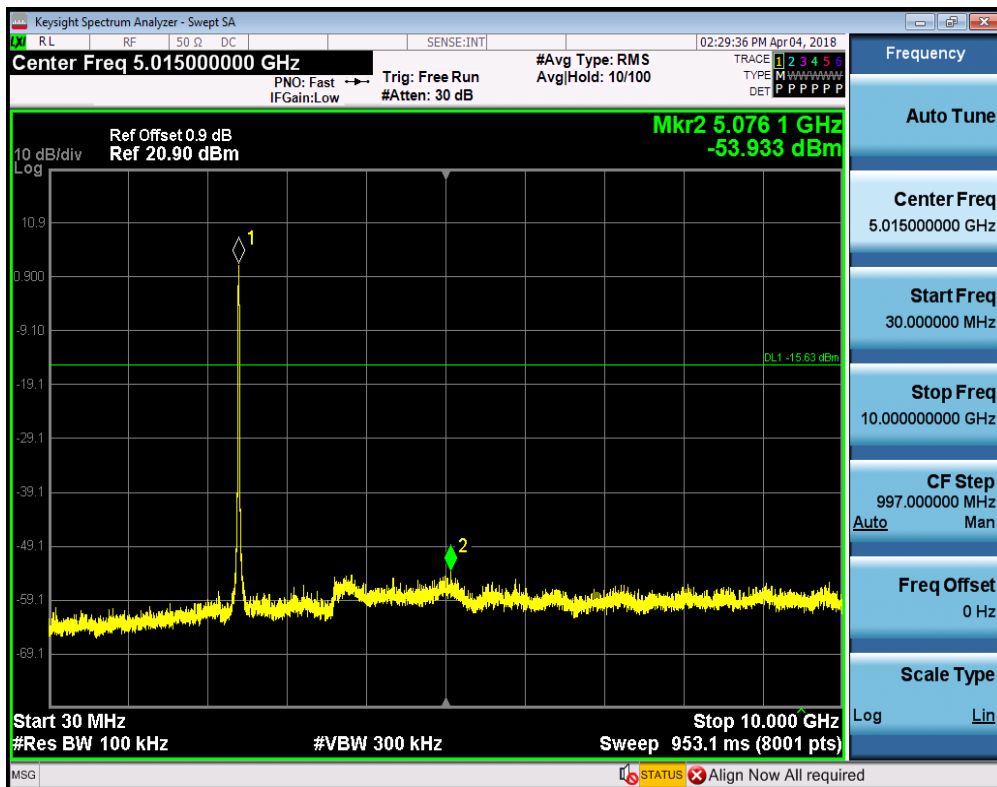


RF Conducted Spurious Emissions_11N20SISO_2412_Ant1

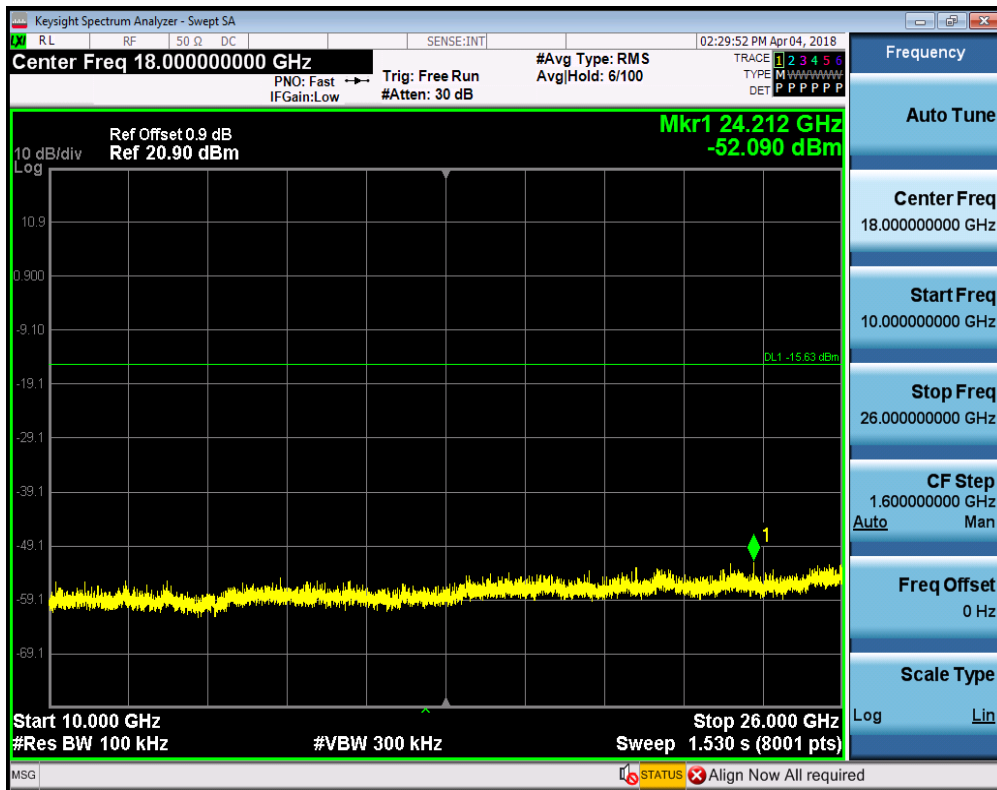
Pref



CSE_1

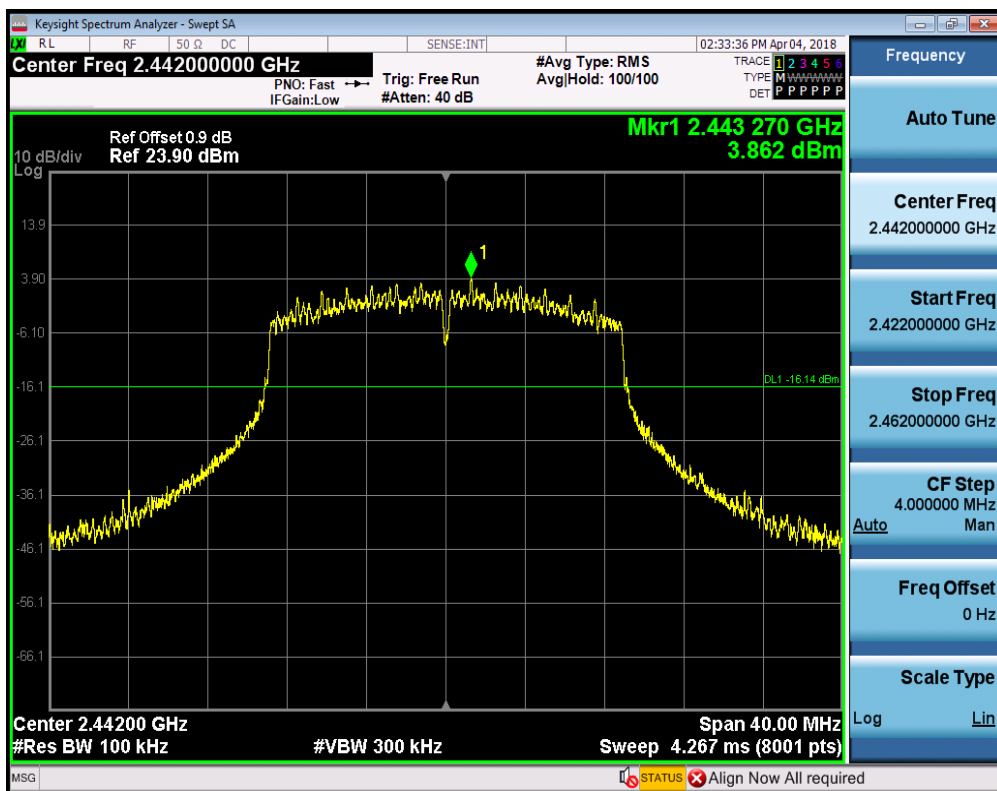


CSE_2

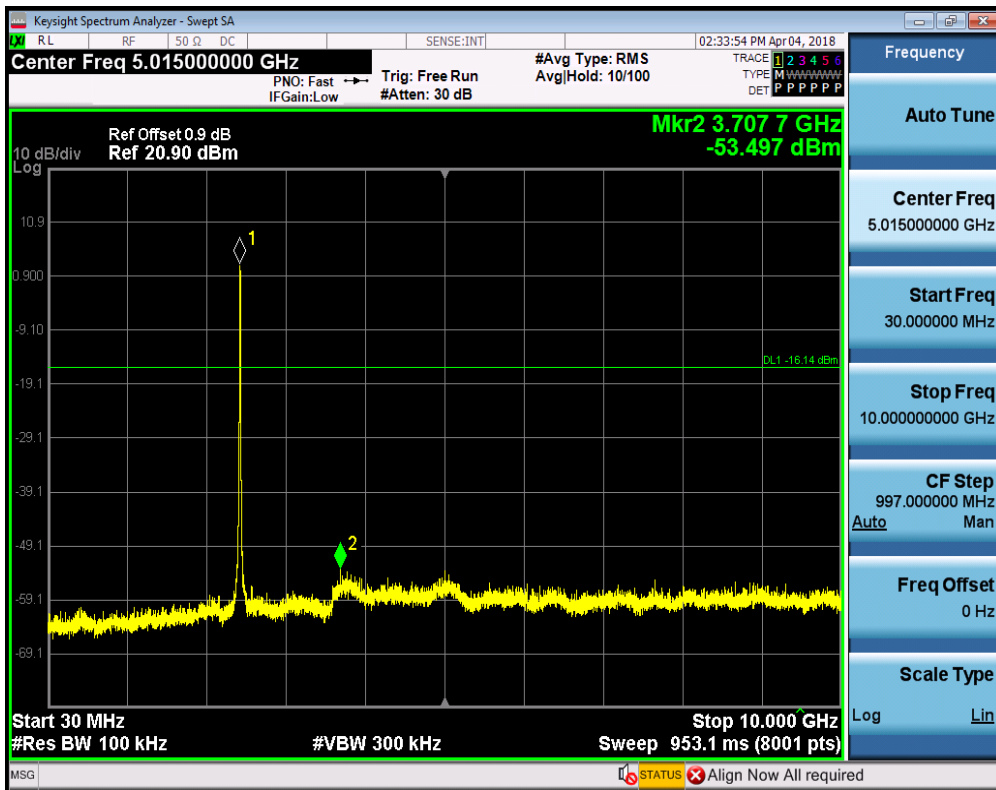


RF Conducted Spurious Emissions_11N20SISO_2442_Ant1

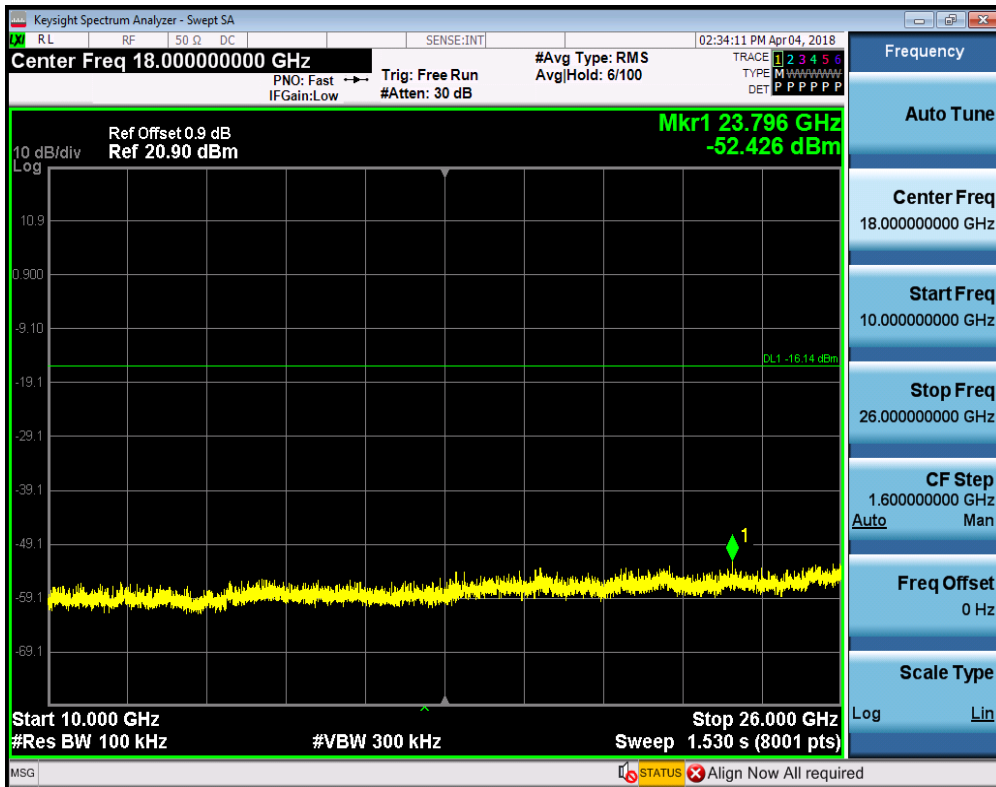
Pref



CSE_1

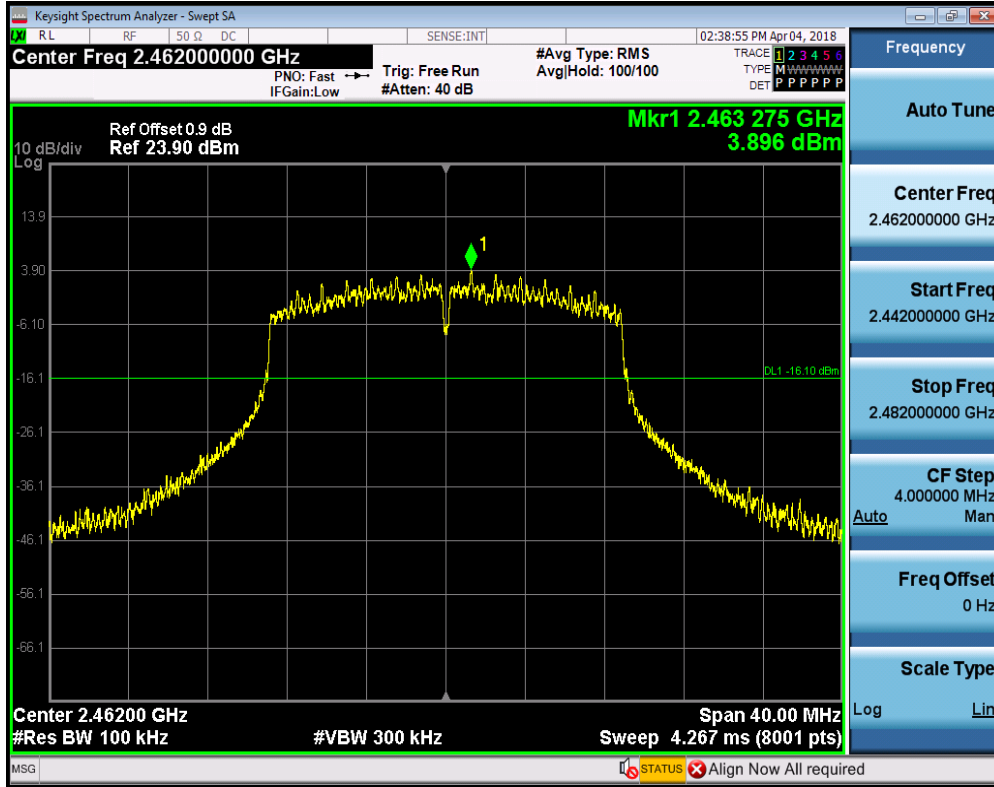


CSE_2

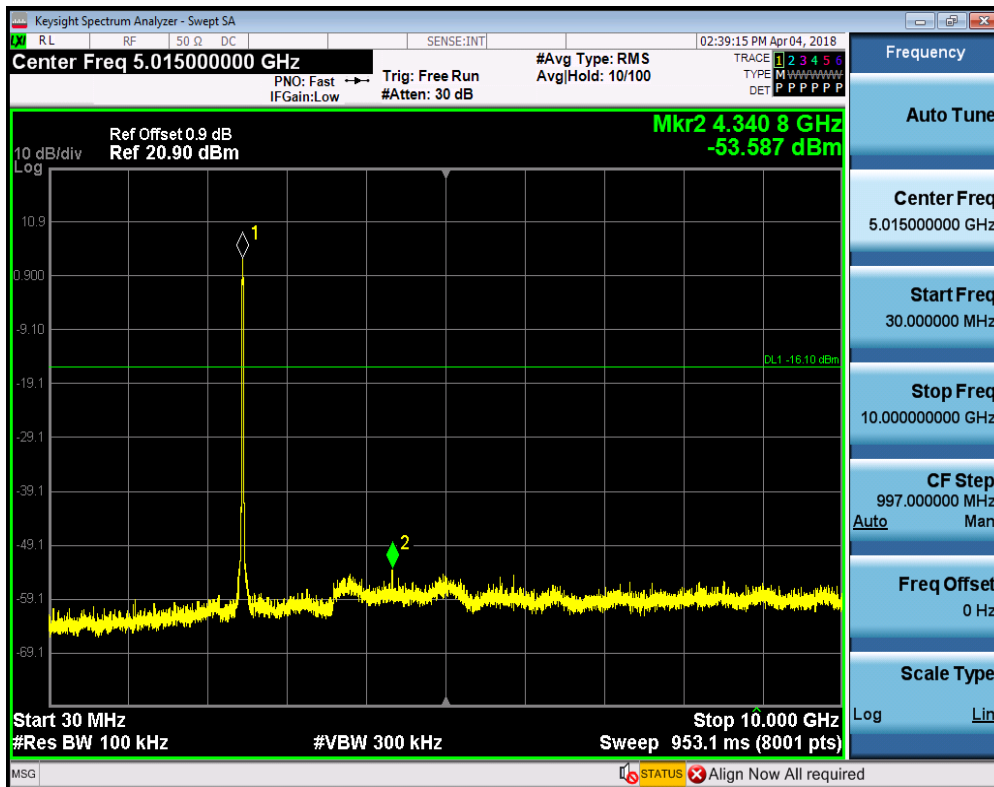


RF Conducted Spurious Emissions_11N20SISO_2462_Ant1

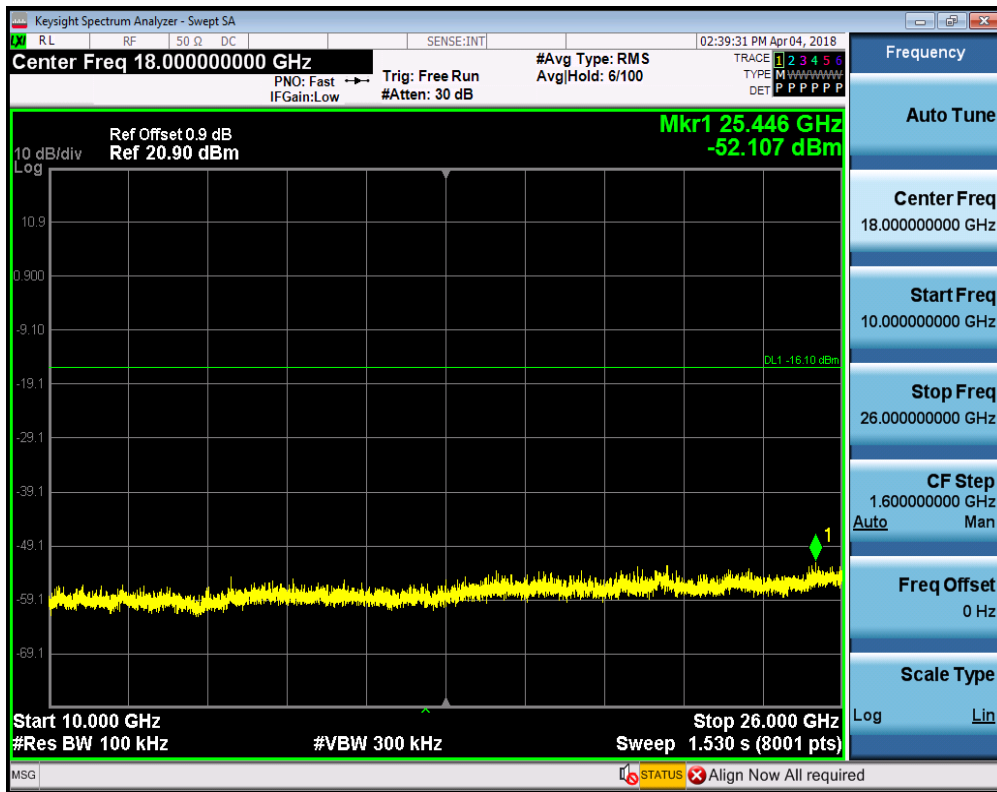
Pref



CSE_1



CSE_2



--End of Report--