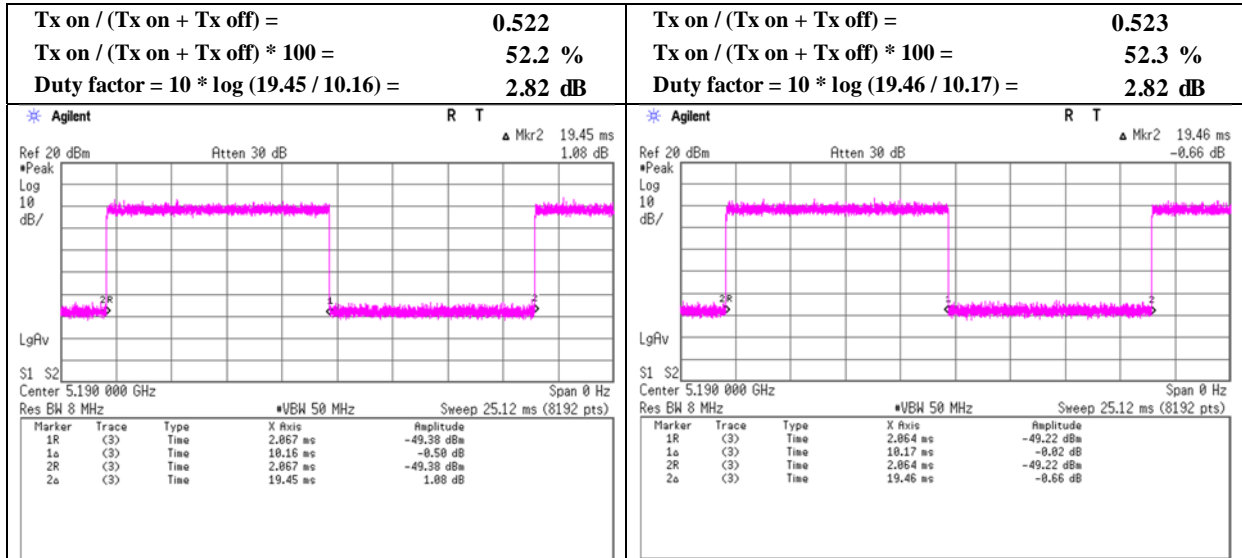


Burst rate confirmation

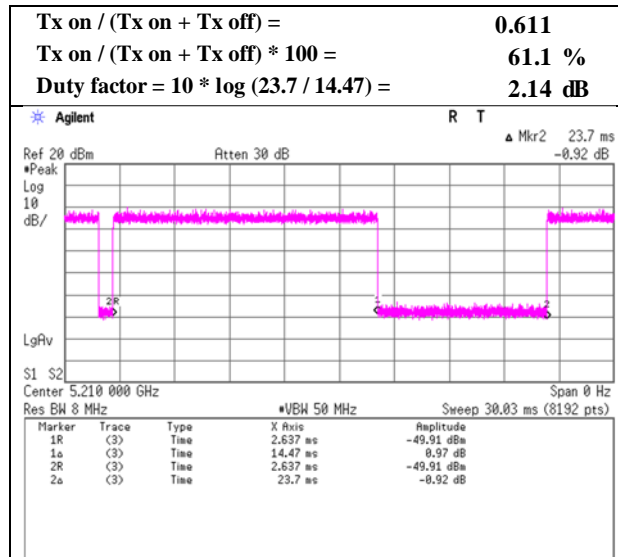
| | |
|------------------------|------------------------------------|
| Test place | Ise EMC Lab. No.8 Measurement Room |
| Date | October 25, 2022 |
| Temperature / Humidity | 23 deg. C / 40 % RH |
| Engineer | Sayaka Hara |
| Mode | Tx |

11n-40 MCS 0

11ac-40 MCS 0



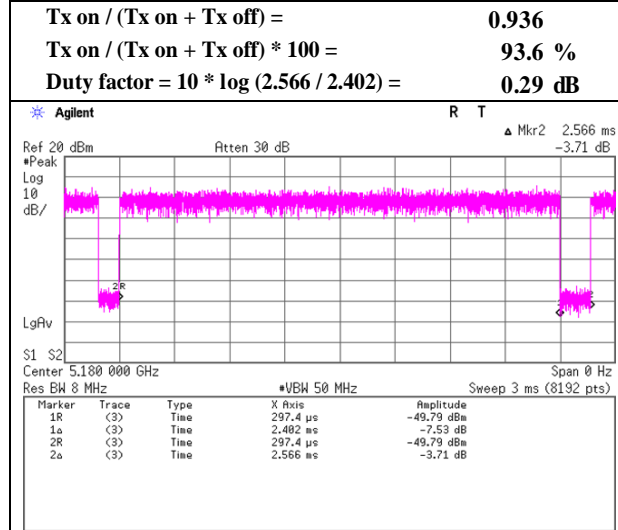
11ac-80 MCS 0



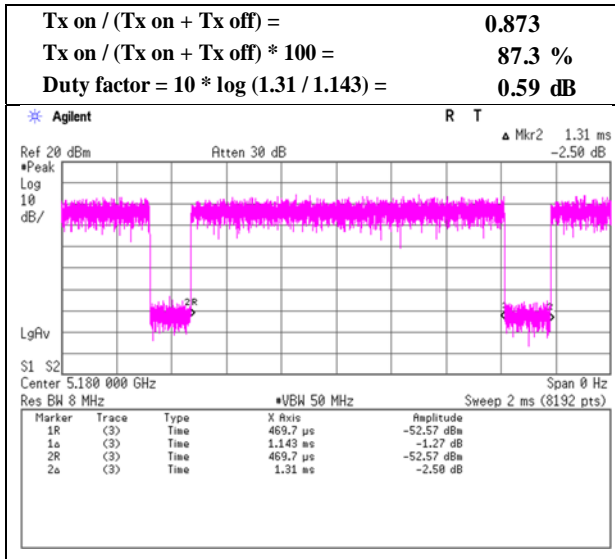
Burst rate confirmation

Test place Ise EMC Lab. No.8 Measurement Room
 Date October 25, 2022 November 18, 2022
 Temperature / Humidity 23 deg. C / 40 % RH 21 deg. C / 44 % RH
 Engineer Sayaka Hara Takafumi Noguchi
 Mode Tx

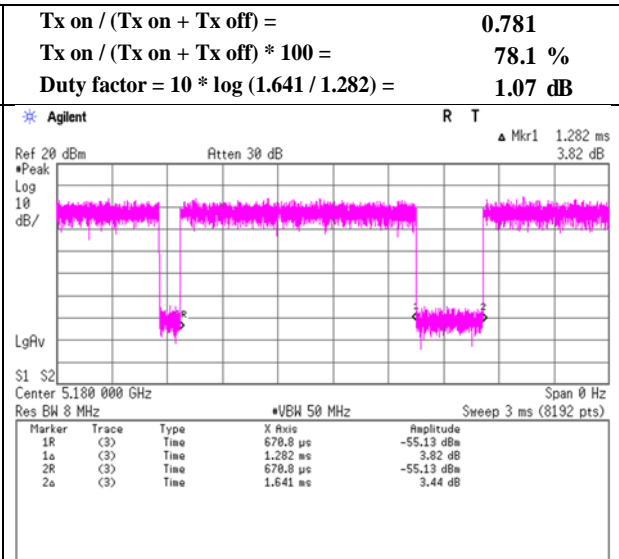
11a 54 Mbps



11n-20 MCS 14



11ac-20 MCS 15

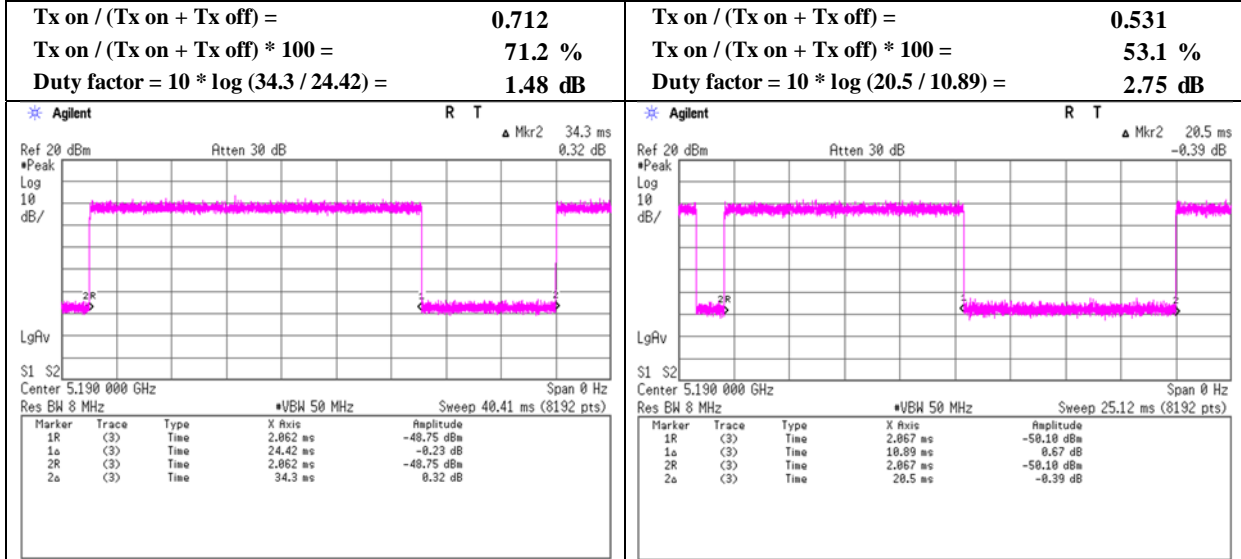


Burst rate confirmation

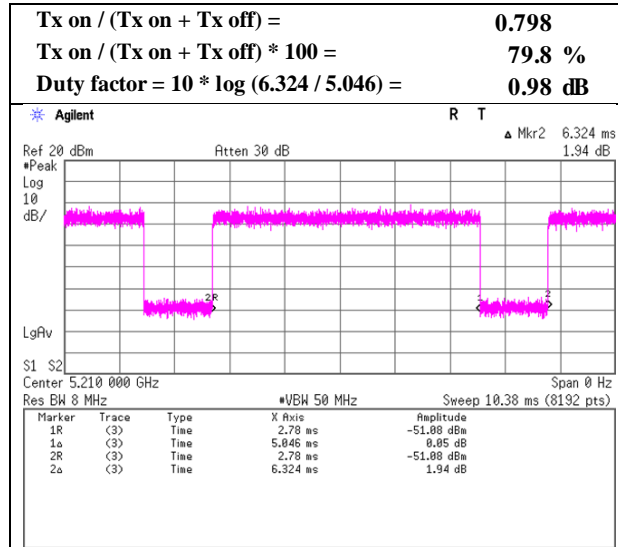
| | |
|------------------------|--|
| Test place | Ise EMC Lab. No.8 Measurement Room |
| Date | October 25, 2022 November 2, 2022 |
| Temperature / Humidity | 23 deg. C / 40 % RH 20 deg. C / 43 % RH |
| Engineer | Sayaka Hara Yuichiro Yamazaki |
| Mode | Tx |

11n-40 MCS 11

11ac-40 MCS 16



11ac-80 MCS 16



Maximum Power Spectral Density

Test place Ise EMC Lab. No.6 Measurement Room
Date November 1, 2022
Temperature / Humidity 23 deg. C / 41 % RH
Engineer Hiroki Numata
Mode Tx 11n-20

Chain 0+1

Applied limit: 15.407, mobile and portable client device

| Tested Frequency [MHz] | PSD (Conducted) | | | | | | PSD (e.i.r.p.) | | | | | |
|---------------------------|-----------------|----------|----------|-----------|-----------|--------|----------------|----------|----------|-----------|-----------|--------|
| | Antenna | | Sum | Result | Limit | Margin | Antenna | | Sum | Result | Limit | Margin |
| | 1 | 2 | | | | | 1 | 2 | | | | |
| | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] |
| 5180 | 0.78 | 0.67 | 1.45 | 1.63 | 11.00 | 9.37 | 2.43 | 2.08 | 4.50 | 6.54 | 17.00 | 10.46 |
| 5220 | 0.83 | 0.56 | 1.38 | 1.41 | 11.00 | 9.59 | 2.57 | 1.72 | 4.29 | 6.32 | 17.00 | 10.68 |
| 5240 | 0.82 | 0.58 | 1.39 | 1.44 | 11.00 | 9.56 | 2.54 | 1.78 | 4.32 | 6.35 | 17.00 | 10.65 |
| 5260 | 0.66 | 0.54 | 1.20 | 0.78 | 11.00 | 10.22 | 2.04 | 1.67 | 3.71 | 5.69 | 17.00 | 11.31 |
| 5300 | 0.66 | 0.56 | 1.22 | 0.86 | 11.00 | 10.14 | 2.04 | 1.74 | 3.78 | 5.77 | 17.00 | 11.23 |
| 5320 | 0.63 | 0.53 | 1.16 | 0.65 | 11.00 | 10.35 | 1.95 | 1.64 | 3.59 | 5.56 | 17.00 | 11.44 |
| 5500 | 0.64 | 0.59 | 1.23 | 0.90 | 11.00 | 10.10 | 1.97 | 1.84 | 3.81 | 5.81 | 17.00 | 11.19 |
| 5580 | 0.57 | 0.58 | 1.15 | 0.62 | 11.00 | 10.38 | 1.77 | 1.80 | 3.57 | 5.53 | 17.00 | 11.47 |
| 5700 | 0.47 | 0.61 | 1.08 | 0.35 | 11.00 | 10.65 | 1.45 | 1.90 | 3.35 | 5.26 | 17.00 | 11.74 |
| 5720 | 0.69 | 0.63 | 1.32 | 1.22 | 11.00 | 9.78 | 2.15 | 1.96 | 4.10 | 6.13 | 17.00 | 10.87 |
| 5745 | 0.36 | 0.33 | 0.69 | -1.64 | 30.00 | 31.64 | 1.11 | 1.02 | 2.12 | 3.27 | 36.00 | 32.73 |
| 5785 | 0.32 | 0.34 | 0.66 | -1.79 | 30.00 | 31.79 | 1.00 | 1.05 | 2.05 | 3.12 | 36.00 | 32.88 |
| 5825 | 0.34 | 0.35 | 0.68 | -1.64 | 30.00 | 31.64 | 1.04 | 1.08 | 2.12 | 3.27 | 36.00 | 32.73 |

| Tested Frequency [MHz] | Duty Factor [dB] | RBW Correction Factor [dB] | Chain 0 | | | | Chain 1 | | | | | | | | |
|---------------------------|---------------------|-------------------------------|--------------------------|--------------------|---------------------|---------------------------|------------|-----------|--------------------------|--------------------|---------------------|---------------------------|------------|-----------|--|
| | | | PSD Reading [dBm/MHz] | Cable Loss [dB] | Atten. Loss [dB] | Directional Gain [dBi] | PSD Result | | PSD Reading [dBm/MHz] | Cable Loss [dB] | Atten. Loss [dB] | Directional Gain [dBi] | PSD Result | | |
| | | | | | | | Cond. | e.i.r.p. | | | | | Cond. | e.i.r.p. | |
| | | | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | |
| 5180 | 0.59 | 0.00 | -13.22 | 1.97 | 9.60 | 4.91 | -1.06 | 3.85 | -13.86 | 1.94 | 9.60 | 4.91 | -1.73 | 3.18 | |
| 5220 | 0.59 | 0.00 | -12.97 | 1.97 | 9.60 | 4.91 | -0.81 | 4.10 | -14.69 | 1.94 | 9.60 | 4.91 | -2.56 | 2.36 | |
| 5240 | 0.59 | 0.00 | -13.03 | 1.97 | 9.60 | 4.91 | -0.87 | 4.04 | -14.53 | 1.94 | 9.60 | 4.91 | -2.40 | 2.51 | |
| 5260 | 0.59 | 0.00 | -13.98 | 1.97 | 9.60 | 4.91 | -1.82 | 3.09 | -14.82 | 1.94 | 9.60 | 4.91 | -2.69 | 2.23 | |
| 5300 | 0.59 | 0.00 | -13.97 | 1.97 | 9.60 | 4.91 | -1.81 | 3.10 | -14.64 | 1.94 | 9.60 | 4.91 | -2.51 | 2.40 | |
| 5320 | 0.59 | 0.00 | -14.16 | 1.97 | 9.60 | 4.91 | -2.00 | 2.91 | -14.89 | 1.94 | 9.60 | 4.91 | -2.76 | 2.15 | |
| 5500 | 0.59 | 0.00 | -14.20 | 2.05 | 9.60 | 4.91 | -1.96 | 2.95 | -14.48 | 2.02 | 9.60 | 4.91 | -2.27 | 2.64 | |
| 5580 | 0.59 | 0.00 | -14.67 | 2.05 | 9.60 | 4.91 | -2.43 | 2.48 | -14.57 | 2.02 | 9.60 | 4.91 | -2.36 | 2.55 | |
| 5700 | 0.59 | 0.00 | -15.53 | 2.05 | 9.60 | 4.91 | -3.29 | 1.62 | -14.33 | 2.02 | 9.60 | 4.91 | -2.12 | 2.79 | |
| 5720 | 0.59 | 0.00 | -13.83 | 2.05 | 9.60 | 4.91 | -1.59 | 3.32 | -14.20 | 2.02 | 9.60 | 4.91 | -1.99 | 2.92 | |
| 5745 | 0.59 | 0.27 | -16.99 | 2.05 | 9.60 | 4.91 | -4.48 | 0.43 | -17.30 | 2.02 | 9.60 | 4.91 | -4.82 | 0.09 | |
| 5785 | 0.59 | 0.27 | -17.43 | 2.05 | 9.60 | 4.91 | -4.92 | -0.01 | -17.16 | 2.02 | 9.60 | 4.91 | -4.68 | 0.23 | |
| 5825 | 0.59 | 0.27 | -17.25 | 2.05 | 9.60 | 4.91 | -4.74 | 0.17 | -17.05 | 2.02 | 9.60 | 4.91 | -4.57 | 0.34 | |

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Directional Gain = G ANT + Array Gain

G ANT = Set equal to the gain of the antenna having the highest gain

Array Gain = 10 log(N ANT/N SS) dB.

N ANT = number of transmit antennas = 2

N SS = number of spatial streams = 1

Maximum Power Spectral Density

| | |
|------------------------|------------------------------------|
| Test place | Ise EMC Lab. No.6 Measurement Room |
| Date | November 1, 2022 |
| Temperature / Humidity | 23 deg. C / 41 % RH |
| Engineer | Hiroki Numata |
| Mode | Tx 11ac-20 |

Chain 0+1 Applied limit: 15.407, mobile and portable client device

| Tested Frequency [MHz] | PSD (Conducted) | | | | | | PSD (e.i.r.p.) | | | | | |
|---------------------------|-----------------|----------|----------|-----------|-----------|--------|----------------|----------|----------|-----------|-----------|--------|
| | Antenna | | | Result | Limit | Margin | Antenna | | | Result | Limit | Margin |
| | 1 | 2 | Sum | | | | 1 | 2 | Sum | | | |
| | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] |
| 5180 | 0.81 | 0.60 | 1.41 | 1.49 | 11.00 | 9.51 | 2.50 | 1.87 | 4.37 | 6.40 | 17.00 | 10.60 |
| 5220 | 0.87 | 0.59 | 1.46 | 1.65 | 11.00 | 9.35 | 2.70 | 1.84 | 4.53 | 6.56 | 17.00 | 10.44 |
| 5240 | 0.89 | 0.58 | 1.47 | 1.67 | 11.00 | 9.33 | 2.76 | 1.79 | 4.55 | 6.58 | 17.00 | 10.42 |
| 5260 | 0.99 | 0.57 | 1.56 | 1.92 | 11.00 | 9.08 | 3.05 | 1.77 | 4.82 | 6.83 | 17.00 | 10.17 |
| 5300 | 0.86 | 0.60 | 1.46 | 1.64 | 11.00 | 9.36 | 2.65 | 1.86 | 4.51 | 6.55 | 17.00 | 10.45 |
| 5320 | 0.95 | 0.61 | 1.55 | 1.92 | 11.00 | 9.08 | 2.93 | 1.88 | 4.81 | 6.83 | 17.00 | 10.17 |
| 5500 | 0.81 | 0.58 | 1.39 | 1.43 | 11.00 | 9.57 | 2.51 | 1.79 | 4.30 | 6.34 | 17.00 | 10.66 |
| 5580 | 0.81 | 0.63 | 1.43 | 1.57 | 11.00 | 9.43 | 2.51 | 1.94 | 4.44 | 6.48 | 17.00 | 10.52 |
| 5700 | 0.78 | 0.68 | 1.46 | 1.64 | 11.00 | 9.36 | 2.42 | 2.09 | 4.52 | 6.55 | 17.00 | 10.45 |
| 5720 | 0.76 | 0.69 | 1.45 | 1.63 | 11.00 | 9.37 | 2.35 | 2.15 | 4.50 | 6.54 | 17.00 | 10.46 |
| 5745 | 0.43 | 0.37 | 0.80 | -0.95 | 30.00 | 30.95 | 1.33 | 1.16 | 2.49 | 3.96 | 36.00 | 32.04 |
| 5785 | 0.38 | 0.41 | 0.78 | -1.06 | 30.00 | 31.06 | 1.17 | 1.26 | 2.43 | 3.85 | 36.00 | 32.15 |
| 5825 | 0.40 | 0.41 | 0.81 | -0.92 | 30.00 | 30.92 | 1.24 | 1.27 | 2.51 | 3.99 | 36.00 | 32.01 |

| Tested Frequency [MHz] | Chain 0 | | | | | | | Chain 1 | | | | | | | |
|---------------------------|-------------|-----------------------|-------------|------------|-------------|------------------|------------|-----------|-------------|------------|-------------|------------------|------------|-----------|--|
| | Duty Factor | RBW Correction Factor | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | PSD Result | | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | PSD Result | | |
| | | | | | | | Cond. | e.i.r.p. | | | | | Cond. | e.i.r.p. | |
| | [dB] | [dB] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | |
| 5180 | 1.07 | 0.00 | -13.57 | 1.97 | 9.60 | 4.91 | -0.93 | 3.98 | -14.81 | 1.94 | 9.60 | 4.91 | -2.20 | 2.71 | |
| 5220 | 1.07 | 0.00 | -13.24 | 1.97 | 9.60 | 4.91 | -0.60 | 4.31 | -14.88 | 1.94 | 9.60 | 4.91 | -2.27 | 2.64 | |
| 5240 | 1.07 | 0.00 | -13.14 | 1.97 | 9.60 | 4.91 | -0.50 | 4.41 | -15.00 | 1.94 | 9.60 | 4.91 | -2.39 | 2.52 | |
| 5260 | 1.07 | 0.00 | -12.70 | 1.97 | 9.60 | 4.91 | -0.06 | 4.85 | -15.04 | 1.94 | 9.60 | 4.91 | -2.43 | 2.48 | |
| 5300 | 1.07 | 0.00 | -13.31 | 1.97 | 9.60 | 4.91 | -0.67 | 4.24 | -14.82 | 1.94 | 9.60 | 4.91 | -2.21 | 2.70 | |
| 5320 | 1.07 | 0.00 | -12.88 | 1.97 | 9.60 | 4.91 | -0.24 | 4.68 | -14.78 | 1.94 | 9.60 | 4.91 | -2.17 | 2.74 | |
| 5500 | 1.07 | 0.00 | -13.63 | 2.05 | 9.60 | 4.91 | -0.91 | 4.00 | -15.08 | 2.02 | 9.60 | 4.91 | -2.39 | 2.53 | |
| 5580 | 1.07 | 0.00 | -13.64 | 2.05 | 9.60 | 4.91 | -0.92 | 3.99 | -14.73 | 2.02 | 9.60 | 4.91 | -2.04 | 2.87 | |
| 5700 | 1.07 | 0.00 | -13.79 | 2.05 | 9.60 | 4.91 | -1.07 | 3.84 | -14.39 | 2.02 | 9.60 | 4.91 | -1.70 | 3.21 | |
| 5720 | 1.07 | 0.00 | -13.91 | 2.05 | 9.60 | 4.91 | -1.19 | 3.72 | -14.28 | 2.02 | 9.60 | 4.91 | -1.59 | 3.32 | |
| 5745 | 1.07 | 0.27 | -16.67 | 2.05 | 9.60 | 4.91 | -3.68 | 1.23 | -17.22 | 2.02 | 9.60 | 4.91 | -4.26 | 0.65 | |
| 5785 | 1.07 | 0.27 | -17.21 | 2.05 | 9.60 | 4.91 | -4.22 | 0.69 | -16.88 | 2.02 | 9.60 | 4.91 | -3.92 | 0.99 | |
| 5825 | 1.07 | 0.27 | -16.98 | 2.05 | 9.60 | 4.91 | -3.99 | 0.92 | -16.83 | 2.02 | 9.60 | 4.91 | -3.87 | 1.04 | |

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Directional Gain = G ANT + Array Gain

G ANT = Set equal to the gain of the antenna having the highest gain

Array Gain = $10 \log(N \text{ ANT}/N \text{ SS})$ dB.

N ANT = number of transmit antennas = 2

N SS = number of spatial streams = 1

Maximum Power Spectral Density

| | |
|------------------------|------------------------------------|
| Test place | Ise EMC Lab. No.6 Measurement Room |
| Date | November 1, 2022 |
| Temperature / Humidity | 23 deg. C / 41 % RH |
| Engineer | Hiroki Numata |
| Mode | Tx 11n-40 |

Chain 0+1 Applied limit: 15.407, mobile and portable client device

| Tested Frequency [MHz] | PSD (Conducted) | | | | | | PSD (e.i.r.p.) | | | | | |
|---------------------------|-----------------|----------|----------|-----------|-----------|--------|----------------|----------|----------|-----------|-----------|--------|
| | Antenna | | Sum | Result | Limit | Margin | Antenna | | Sum | Result | Limit | Margin |
| | 1 | 2 | | | | | 1 | 2 | | | | |
| | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] |
| 5190 | 0.36 | 0.34 | 0.70 | -1.56 | 11.00 | 12.56 | 1.11 | 1.05 | 2.16 | 3.35 | 17.00 | 13.65 |
| 5230 | 0.41 | 0.33 | 0.74 | -1.32 | 11.00 | 12.32 | 1.27 | 1.01 | 2.28 | 3.59 | 17.00 | 13.41 |
| 5270 | 0.44 | 0.29 | 0.73 | -1.34 | 11.00 | 12.34 | 1.37 | 0.90 | 2.27 | 3.57 | 17.00 | 13.43 |
| 5310 | 0.41 | 0.33 | 0.74 | -1.31 | 11.00 | 12.31 | 1.28 | 1.01 | 2.29 | 3.60 | 17.00 | 13.40 |
| 5510 | 0.46 | 0.31 | 0.77 | -1.13 | 11.00 | 12.13 | 1.43 | 0.96 | 2.39 | 3.78 | 17.00 | 13.22 |
| 5550 | 0.41 | 0.34 | 0.74 | -1.29 | 11.00 | 12.29 | 1.26 | 1.04 | 2.30 | 3.62 | 17.00 | 13.38 |
| 5670 | 0.36 | 0.37 | 0.73 | -1.37 | 11.00 | 12.37 | 1.13 | 1.13 | 2.26 | 3.54 | 17.00 | 13.46 |
| 5710 | 0.38 | 0.37 | 0.75 | -1.26 | 11.00 | 12.26 | 1.18 | 1.14 | 2.32 | 3.65 | 17.00 | 13.35 |
| 5755 | 0.18 | 0.19 | 0.37 | -4.26 | 30.00 | 34.26 | 0.56 | 0.60 | 1.16 | 0.65 | 36.00 | 35.35 |
| 5795 | 0.19 | 0.21 | 0.40 | -3.95 | 30.00 | 33.95 | 0.58 | 0.66 | 1.25 | 0.96 | 36.00 | 35.04 |

| Tested Frequency [MHz] | Chain 0 | | | | | | | Chain 1 | | | | | | | |
|---------------------------|-------------|-----------------------|-------------|------------|-------------|------------------|------------|-----------|-------------|------------|-------------|------------------|------------|-----------|--|
| | Duty Factor | RBW Correction Factor | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | PSD Result | | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | PSD Result | | |
| | | | | | | | Cond. | e.i.r.p. | | | | | Cond. | e.i.r.p. | |
| | [dB] | [dB] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | |
| 5190 | 1.48 | 0.00 | -17.50 | 1.97 | 9.60 | 4.91 | -4.45 | 0.46 | -17.71 | 1.94 | 9.60 | 4.91 | -4.69 | 0.22 | |
| 5230 | 1.48 | 0.00 | -16.91 | 1.97 | 9.60 | 4.91 | -3.86 | 1.06 | -17.89 | 1.94 | 9.60 | 4.91 | -4.87 | 0.04 | |
| 5270 | 1.48 | 0.00 | -16.59 | 1.97 | 9.60 | 4.91 | -3.54 | 1.37 | -18.38 | 1.94 | 9.60 | 4.91 | -5.36 | -0.45 | |
| 5310 | 1.48 | 0.00 | -16.88 | 1.97 | 9.60 | 4.91 | -3.83 | 1.08 | -17.89 | 1.94 | 9.60 | 4.91 | -4.87 | 0.04 | |
| 5510 | 1.48 | 0.00 | -16.49 | 2.05 | 9.60 | 4.91 | -3.36 | 1.55 | -18.19 | 2.02 | 9.60 | 4.91 | -5.09 | -0.17 | |
| 5550 | 1.48 | 0.00 | -17.04 | 2.05 | 9.60 | 4.91 | -3.91 | 1.00 | -17.84 | 2.02 | 9.60 | 4.91 | -4.74 | 0.17 | |
| 5670 | 1.48 | 0.00 | -17.51 | 2.05 | 9.60 | 4.91 | -4.38 | 0.53 | -17.47 | 2.02 | 9.60 | 4.91 | -4.37 | 0.54 | |
| 5710 | 1.48 | 0.00 | -17.32 | 2.05 | 9.60 | 4.91 | -4.19 | 0.72 | -17.45 | 2.02 | 9.60 | 4.91 | -4.35 | 0.56 | |
| 5755 | 1.48 | 0.27 | -20.82 | 2.05 | 9.60 | 4.91 | -7.42 | -2.51 | -20.50 | 2.02 | 9.60 | 4.91 | -7.14 | -2.23 | |
| 5795 | 1.48 | 0.27 | -20.65 | 2.05 | 9.60 | 4.91 | -7.25 | -2.34 | -20.06 | 2.02 | 9.60 | 4.91 | -6.69 | -1.78 | |

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Directional Gain = G ANT + Array Gain

G ANT = Set equal to the gain of the antenna having the highest gain

Array Gain = $10 \log(N \text{ ANT} / N \text{ SS})$ dB.

N ANT = number of transmit antennas = 2

N SS = number of spatial streams = 1

Maximum Power Spectral Density

Test place Ise EMC Lab. No.6 Measurement Room
Date November 2, 2022
Temperature / Humidity 20 deg. C / 43 % RH
Engineer Yuichiro Yamazaki
Mode Tx 11ac-40

Chain 0+1 Applied limit: 15.407, mobile and portable client device

| Tested Frequency [MHz] | PSD (Conducted) | | | | | | PSD (e.i.r.p.) | | | | | |
|------------------------|-----------------|------------|----------|-----------|-----------|--------|----------------|------------|----------|-----------|-----------|--------|
| | Antenna | | Sum | Result | Limit | Margin | Antenna | | Sum | Result | Limit | Margin |
| | 1 [mW/MHz] | 2 [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | 1 [mW/MHz] | 2 [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] |
| 5190 | 0.41 | 0.35 | 0.76 | -1.19 | 11.00 | 12.19 | 1.26 | 1.09 | 2.35 | 3.72 | 17.00 | 13.28 |
| 5230 | 0.42 | 0.35 | 0.77 | -1.11 | 11.00 | 12.11 | 1.30 | 1.10 | 2.40 | 3.80 | 17.00 | 13.20 |
| 5270 | 0.47 | 0.36 | 0.83 | -0.83 | 11.00 | 11.83 | 1.44 | 1.12 | 2.56 | 4.08 | 17.00 | 12.92 |
| 5310 | 0.46 | 0.34 | 0.80 | -0.97 | 11.00 | 11.97 | 1.41 | 1.07 | 2.48 | 3.94 | 17.00 | 13.06 |
| 5510 | 0.46 | 0.37 | 0.83 | -0.81 | 11.00 | 11.81 | 1.44 | 1.13 | 2.57 | 4.10 | 17.00 | 12.90 |
| 5550 | 0.39 | 0.36 | 0.75 | -1.24 | 11.00 | 12.24 | 1.20 | 1.13 | 2.33 | 3.67 | 17.00 | 13.33 |
| 5670 | 0.39 | 0.41 | 0.80 | -0.99 | 11.00 | 11.99 | 1.20 | 1.27 | 2.47 | 3.92 | 17.00 | 13.08 |
| 5710 | 0.42 | 0.41 | 0.83 | -0.80 | 11.00 | 11.80 | 1.30 | 1.27 | 2.58 | 4.11 | 17.00 | 12.89 |
| 5755 | 0.20 | 0.21 | 0.42 | -3.82 | 30.00 | 33.82 | 0.62 | 0.66 | 1.29 | 1.09 | 36.00 | 34.91 |
| 5795 | 0.21 | 0.24 | 0.45 | -3.46 | 30.00 | 33.46 | 0.64 | 0.76 | 1.40 | 1.45 | 36.00 | 34.55 |

| Tested Frequency [MHz] | Chain 0 | | | | | | | Chain 1 | | | | | | |
|------------------------|------------------|----------------------------|-----------------------|-----------------|------------------|------------------------|----------------------------|-------------------------------|-----------------------|-----------------|------------------|------------------------|----------------------------|-------------------------------|
| | Duty Factor [dB] | RBW Correction Factor [dB] | PSD Reading [dBm/MHz] | Cable Loss [dB] | Atten. Loss [dB] | Directional Gain [dBi] | PSD Result Cond. [dBm/MHz] | PSD Result e.i.r.p. [dBm/MHz] | PSD Reading [dBm/MHz] | Cable Loss [dB] | Atten. Loss [dB] | Directional Gain [dBi] | PSD Result Cond. [dBm/MHz] | PSD Result e.i.r.p. [dBm/MHz] |
| 5190 | 2.75 | 0.00 | -18.21 | 1.97 | 9.60 | 4.91 | -3.89 | 1.02 | -18.83 | 1.94 | 9.60 | 4.91 | -4.54 | 0.37 |
| 5230 | 2.75 | 0.00 | -18.09 | 1.97 | 9.60 | 4.91 | -3.77 | 1.14 | -18.80 | 1.94 | 9.60 | 4.91 | -4.51 | 0.40 |
| 5270 | 2.75 | 0.00 | -17.63 | 1.97 | 9.60 | 4.91 | -3.31 | 1.60 | -18.72 | 1.94 | 9.60 | 4.91 | -4.43 | 0.48 |
| 5310 | 2.75 | 0.00 | -17.74 | 1.97 | 9.60 | 4.91 | -3.42 | 1.49 | -18.92 | 1.94 | 9.60 | 4.91 | -4.63 | 0.28 |
| 5510 | 2.75 | 0.00 | -17.73 | 2.05 | 9.60 | 4.91 | -3.33 | 1.58 | -18.74 | 2.02 | 9.60 | 4.91 | -4.37 | 0.54 |
| 5550 | 2.75 | 0.00 | -18.51 | 2.05 | 9.60 | 4.91 | -4.11 | 0.80 | -18.76 | 2.02 | 9.60 | 4.91 | -4.39 | 0.52 |
| 5670 | 2.75 | 0.00 | -18.53 | 2.05 | 9.60 | 4.91 | -4.13 | 0.79 | -18.25 | 2.02 | 9.60 | 4.91 | -3.88 | 1.03 |
| 5710 | 2.75 | 0.00 | -18.17 | 2.05 | 9.60 | 4.91 | -3.77 | 1.15 | -18.23 | 2.02 | 9.60 | 4.91 | -3.86 | 1.05 |
| 5755 | 2.75 | 0.27 | -21.65 | 2.05 | 9.60 | 4.91 | -6.98 | -2.07 | -21.32 | 2.02 | 9.60 | 4.91 | -6.68 | -1.77 |
| 5795 | 2.75 | 0.27 | -21.51 | 2.05 | 9.60 | 4.91 | -6.84 | -1.93 | -20.76 | 2.02 | 9.60 | 4.91 | -6.12 | -1.21 |

Sample Calculation:
 PSD: Power Spectral Density
 The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
 RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
 PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
 PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
 Directional Gain = G ANT + Array Gain
 G ANT = Set equal to the gain of the antenna having the highest gain
 Array Gain = 10 log(N ANT/N SS) dB.
 N ANT = number of transmit antennas = 2
 N SS = number of spatial streams = 1

Maximum Power Spectral Density

| | |
|------------------------|------------------------------------|
| Test place | Ise EMC Lab. No.6 Measurement Room |
| Date | November 2, 2022 |
| Temperature / Humidity | 20 deg. C / 43 % RH |
| Engineer | Yuichiro Yamazaki |
| Mode | Tx 11ac-80 |

Chain 0+1

Applied limit: 15.407, mobile and portable client device

| Tested Frequency [MHz] | PSD (Conducted) | | | | | | PSD (e.i.r.p.) | | | | | |
|---------------------------|-----------------|----------|-----------|-----------|-------|----------|----------------|----------|-----------|-----------|-------|--------|
| | Antenna | | | Result | Limit | Margin | Antenna | | | Result | Limit | Margin |
| | 1 | 2 | Sum | | | | 1 | 2 | Sum | | | |
| [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [mW/MHz] | [mW/MHz] | [mW/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | |
| 5210 | 0.19 | 0.15 | 0.33 | -4.77 | 11.00 | 15.77 | 0.58 | 0.46 | 1.03 | 0.14 | 17.00 | 16.86 |
| 5290 | 0.19 | 0.13 | 0.32 | -4.97 | 11.00 | 15.97 | 0.57 | 0.41 | 0.99 | -0.06 | 17.00 | 17.06 |
| 5530 | 0.21 | 0.14 | 0.34 | -4.68 | 11.00 | 15.68 | 0.64 | 0.42 | 1.06 | 0.23 | 17.00 | 16.77 |
| 5610 | 0.12 | 0.11 | 0.23 | -6.31 | 11.00 | 17.31 | 0.37 | 0.35 | 0.72 | -1.40 | 17.00 | 18.40 |
| 5690 | 0.18 | 0.13 | 0.31 | -5.09 | 11.00 | 16.09 | 0.56 | 0.40 | 0.96 | -0.18 | 17.00 | 17.18 |
| 5775 | 0.09 | 0.08 | 0.17 | -7.74 | 30.00 | 37.74 | 0.27 | 0.25 | 0.52 | -2.83 | 36.00 | 38.83 |

| Tested Frequency [MHz] | Duty Factor [dB] | RBW Correction Factor [dB] | Chain 0 | | | | | Chain 1 | | | | | PSD Result | |
|---------------------------|---------------------|-------------------------------|-------------|------------|-------------|------------------|-------------|------------|-------------|------------------|-------|----------|------------|-----------|
| | | | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | PSD Reading | Cable Loss | Atten. Loss | Directional Gain | Cond. | e.i.r.p. | Cond. | e.i.r.p. |
| | | | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] | [dBm/MHz] | [dB] | [dB] | [dBi] | [dBm/MHz] | [dBm/MHz] |
| 5210 | 0.98 | 0.00 | -19.85 | 1.97 | 9.60 | 4.91 | -7.30 | -2.39 | -20.84 | 1.94 | 9.60 | 4.91 | -8.32 | -3.41 |
| 5290 | 0.98 | 0.00 | -19.87 | 1.97 | 9.60 | 4.91 | -7.32 | -2.41 | -21.27 | 1.94 | 9.60 | 4.91 | -8.75 | -3.84 |
| 5530 | 0.98 | 0.00 | -19.50 | 2.05 | 9.60 | 4.91 | -6.87 | -1.96 | -21.29 | 2.02 | 9.60 | 4.91 | -8.69 | -3.78 |
| 5610 | 0.98 | 0.00 | -21.85 | 2.05 | 9.60 | 4.91 | -9.22 | -4.31 | -22.02 | 2.02 | 9.60 | 4.91 | -9.42 | -4.51 |
| 5690 | 0.98 | 0.00 | -20.06 | 2.05 | 9.60 | 4.91 | -7.43 | -2.52 | -21.50 | 2.02 | 9.60 | 4.91 | -8.90 | -3.99 |
| 5775 | 0.98 | 0.27 | -23.54 | 2.05 | 9.60 | 4.91 | -10.64 | -5.73 | -23.74 | 2.02 | 9.60 | 4.91 | -10.87 | -5.96 |

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Directional Gain = G ANT + Array Gain

G ANT = Set equal to the gain of the antenna having the highest gain

Array Gain = $10 \log(N \text{ ANT} / N \text{ SS})$ dB.

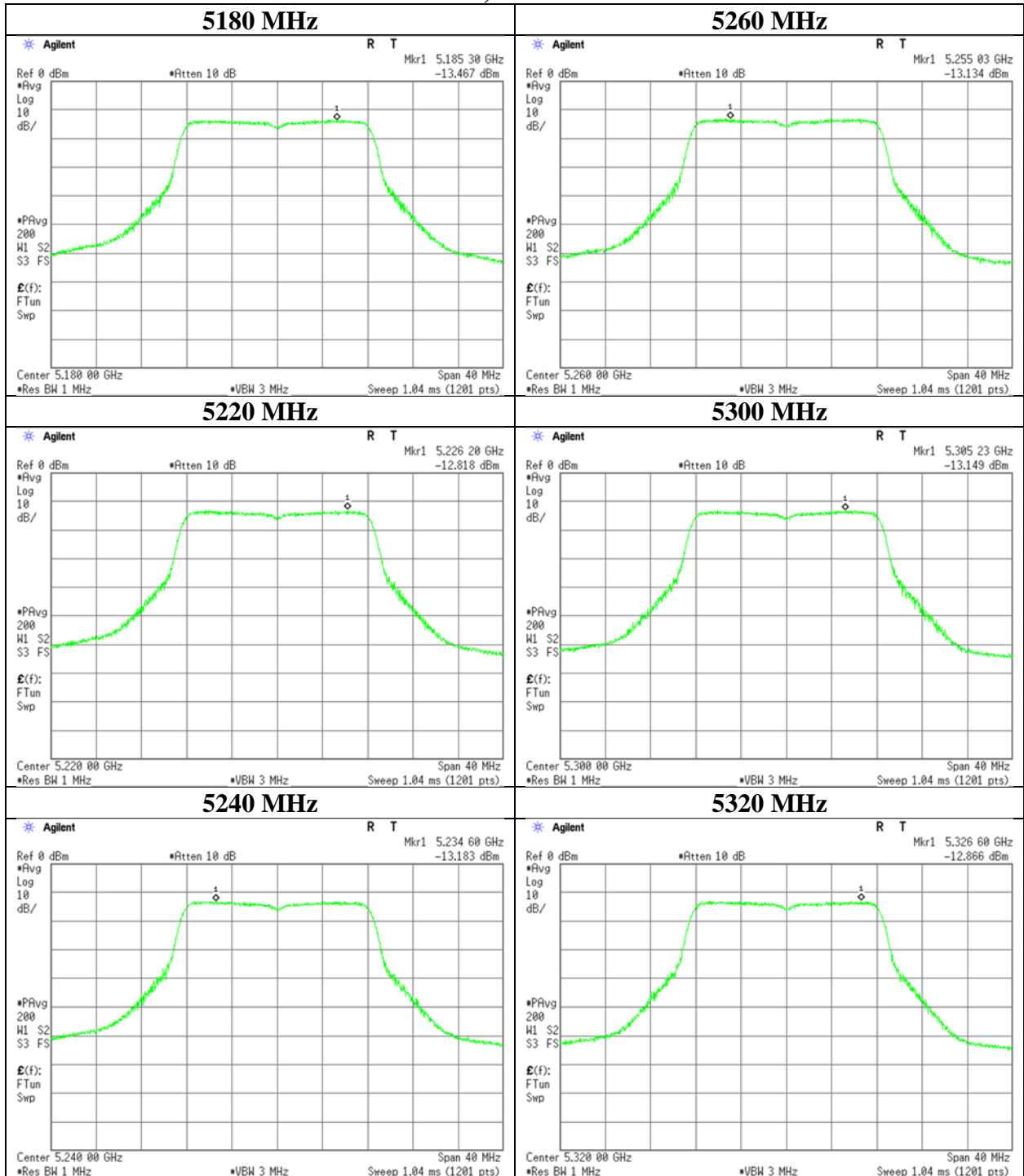
N ANT = number of transmit antennas = 2

N SS = number of spatial streams = 1

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

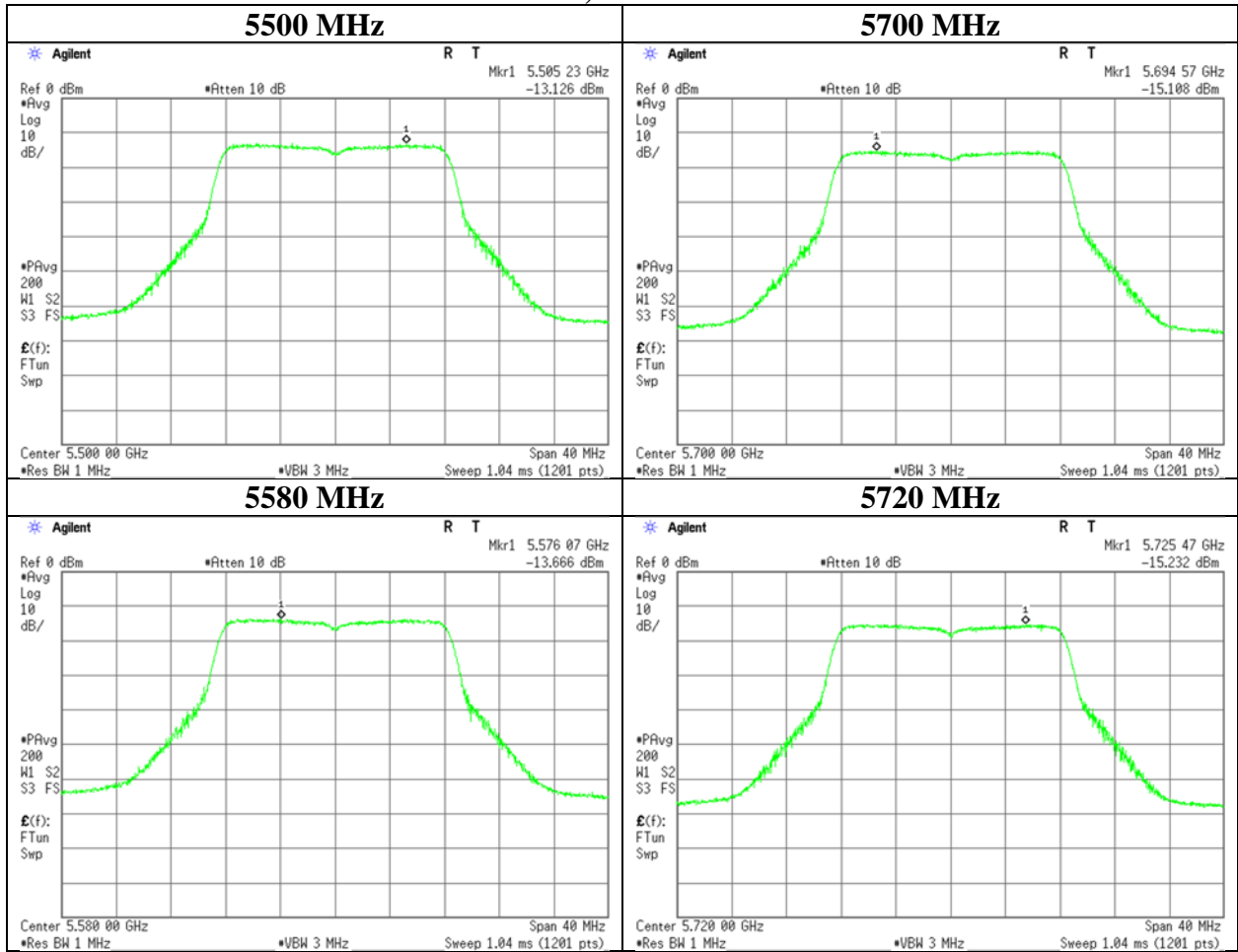
Maximum Power Spectral Density

11a, Chain 0



Maximum Power Spectral Density

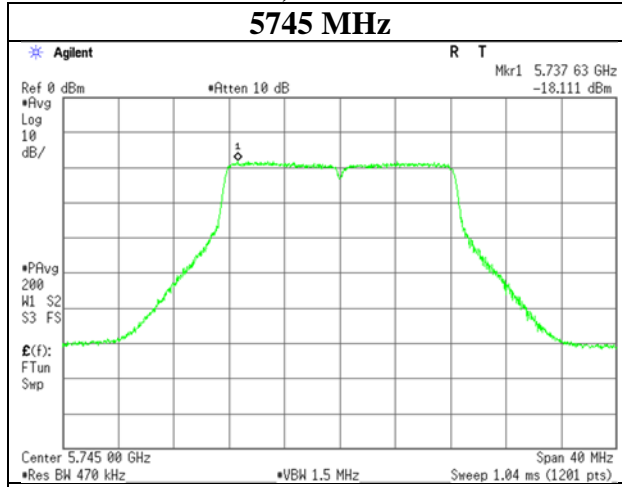
11a, Chain 0



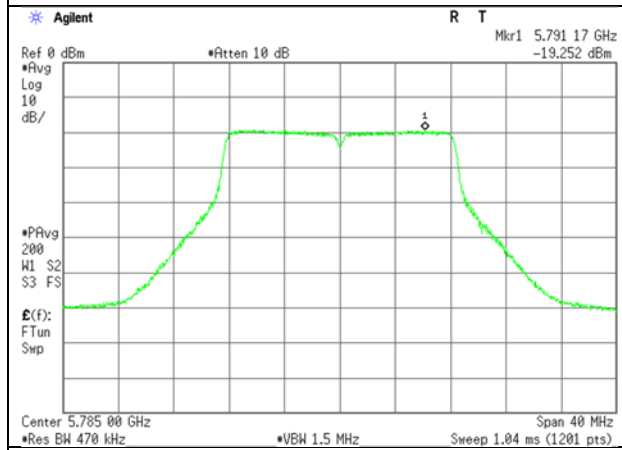
Maximum Power Spectral Density

11a, Chain 0

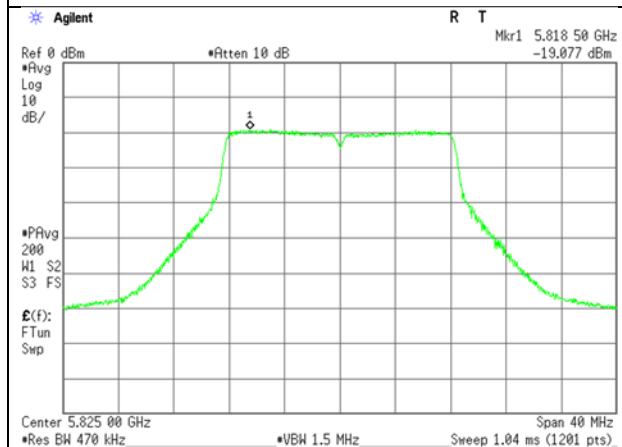
5745 MHz



5785 MHz

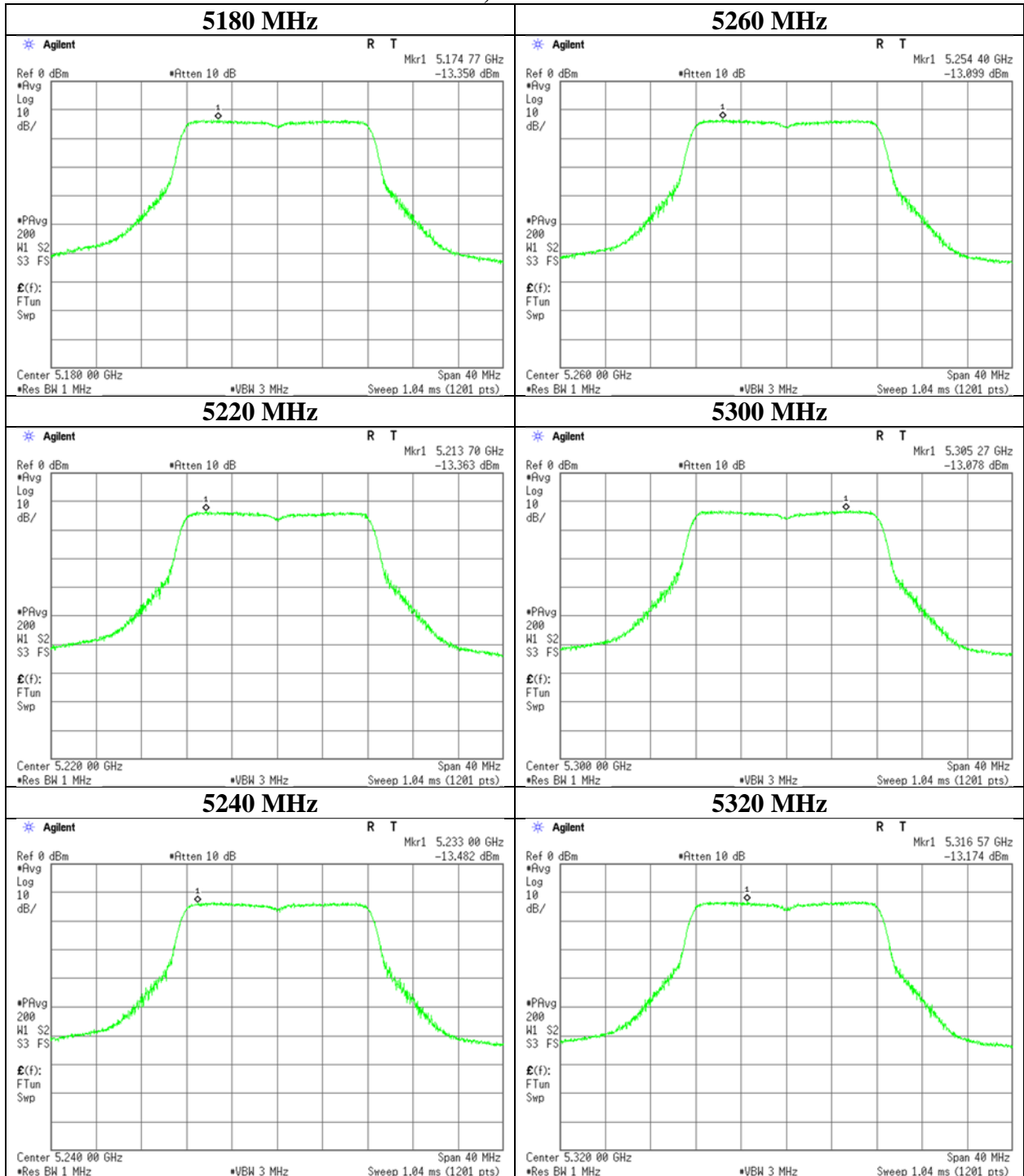


5825 MHz



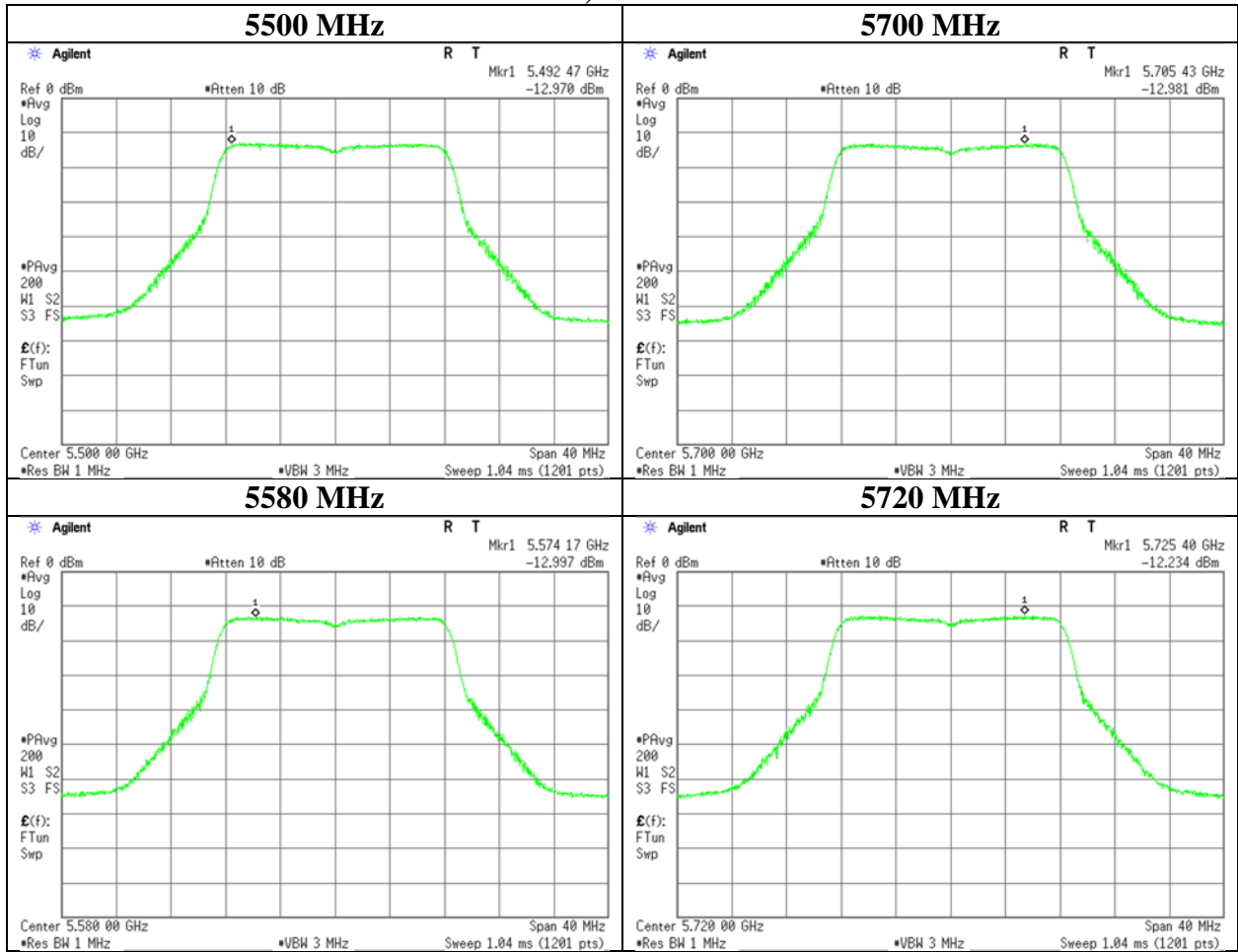
Maximum Power Spectral Density

11a, Chain 1



Maximum Power Spectral Density

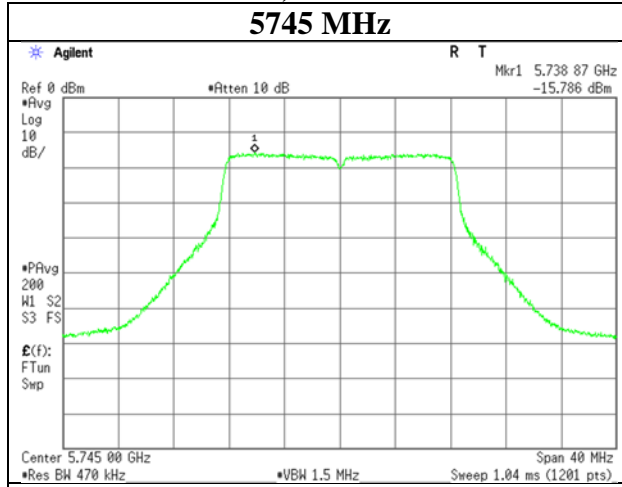
11a, Chain 1



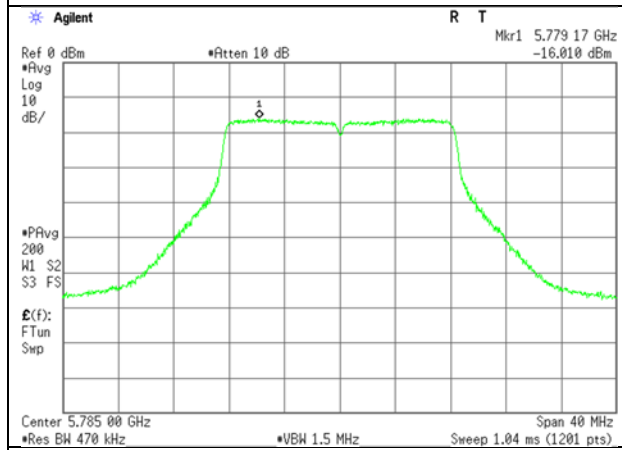
Maximum Power Spectral Density

11a, Chain 1

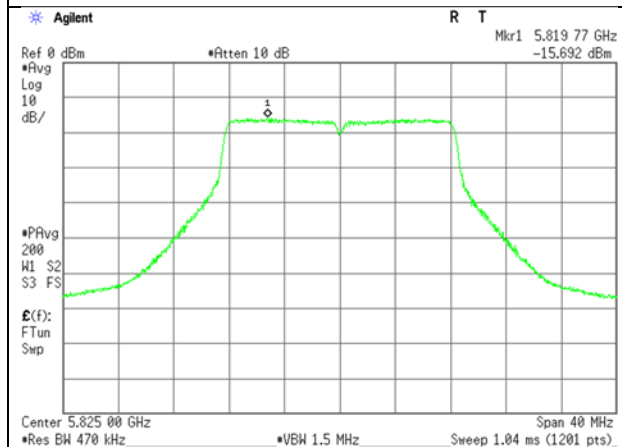
5745 MHz



5785 MHz

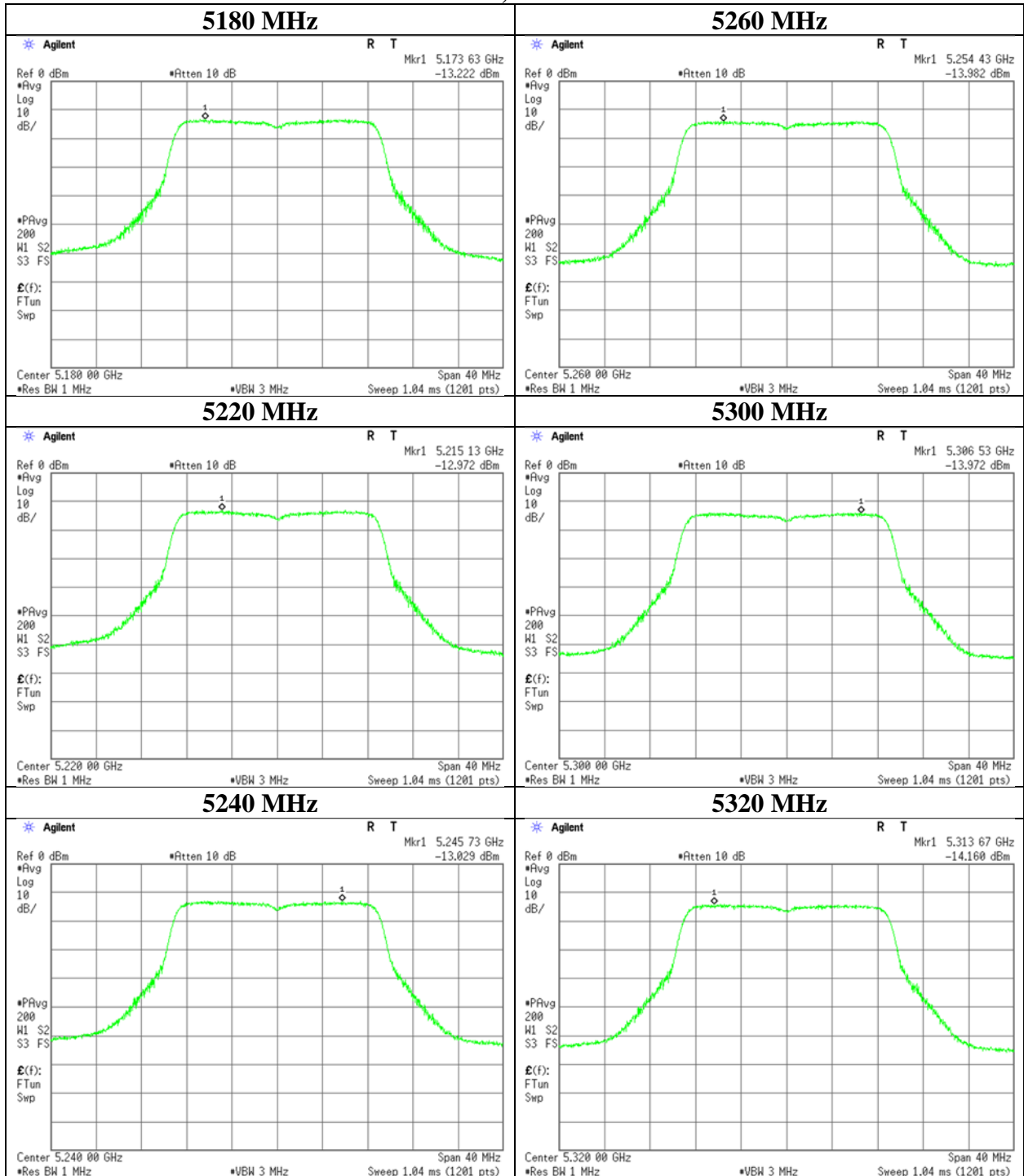


5825 MHz



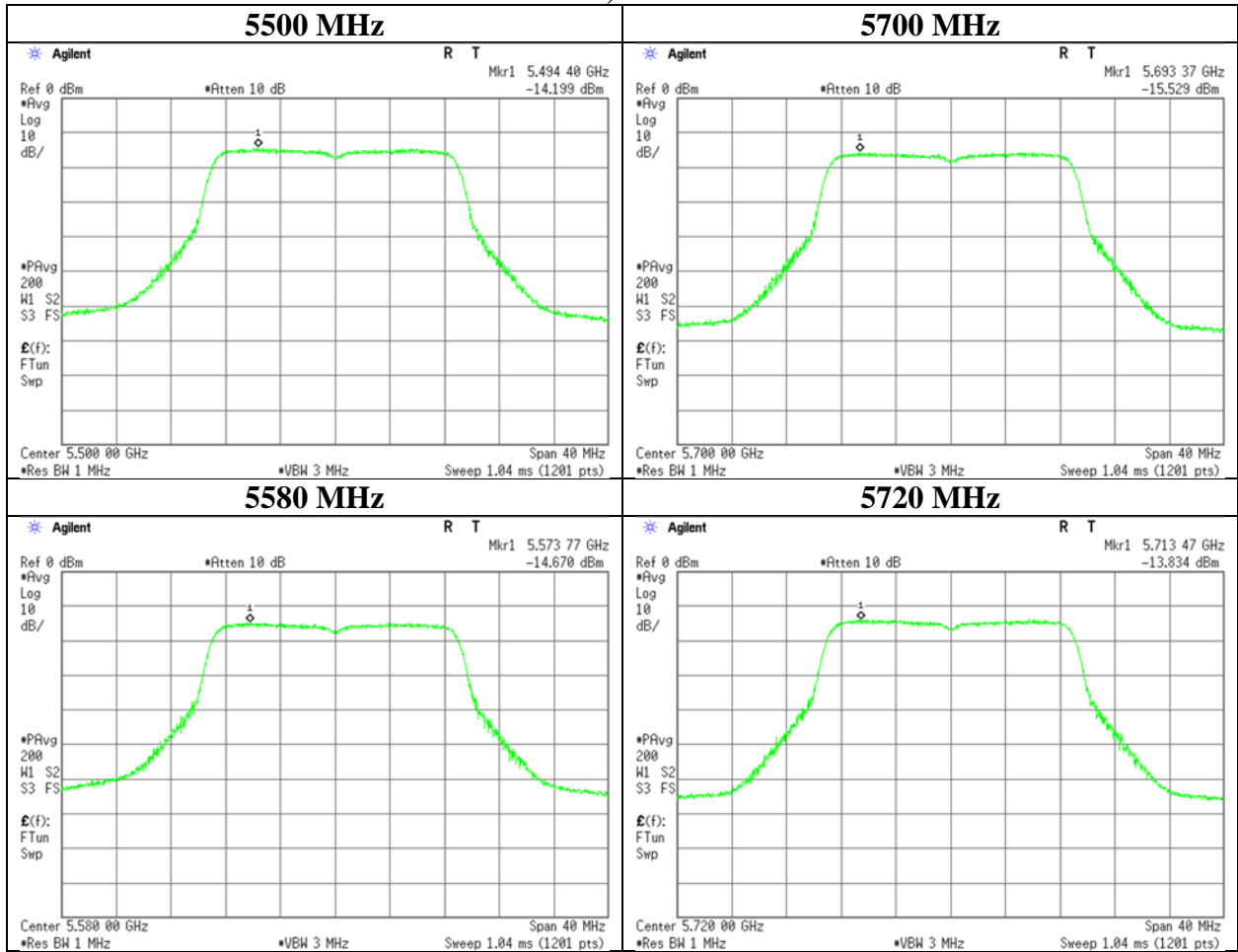
Maximum Power Spectral Density

11n-20, Chain 0



Maximum Power Spectral Density

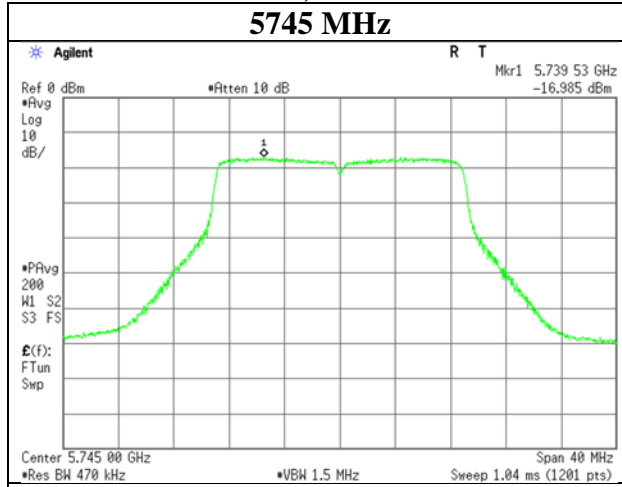
11n-20, Chain 0



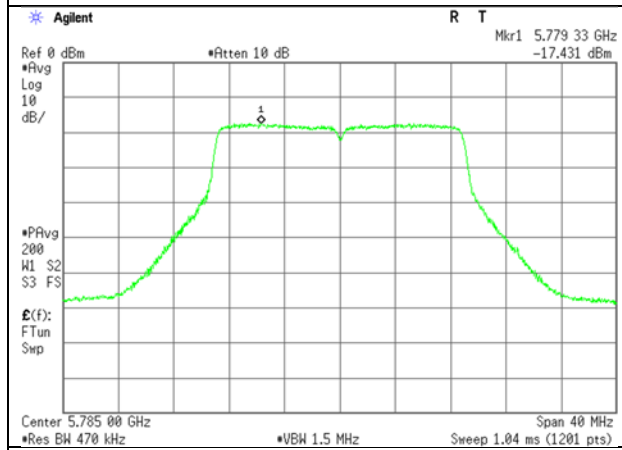
Maximum Power Spectral Density

11n-20, Chain 0

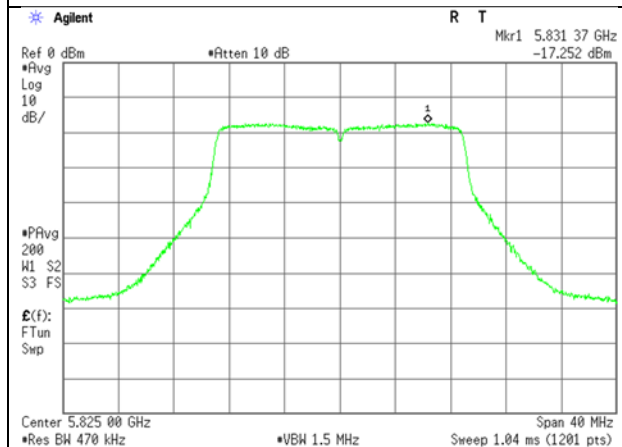
5745 MHz



5785 MHz

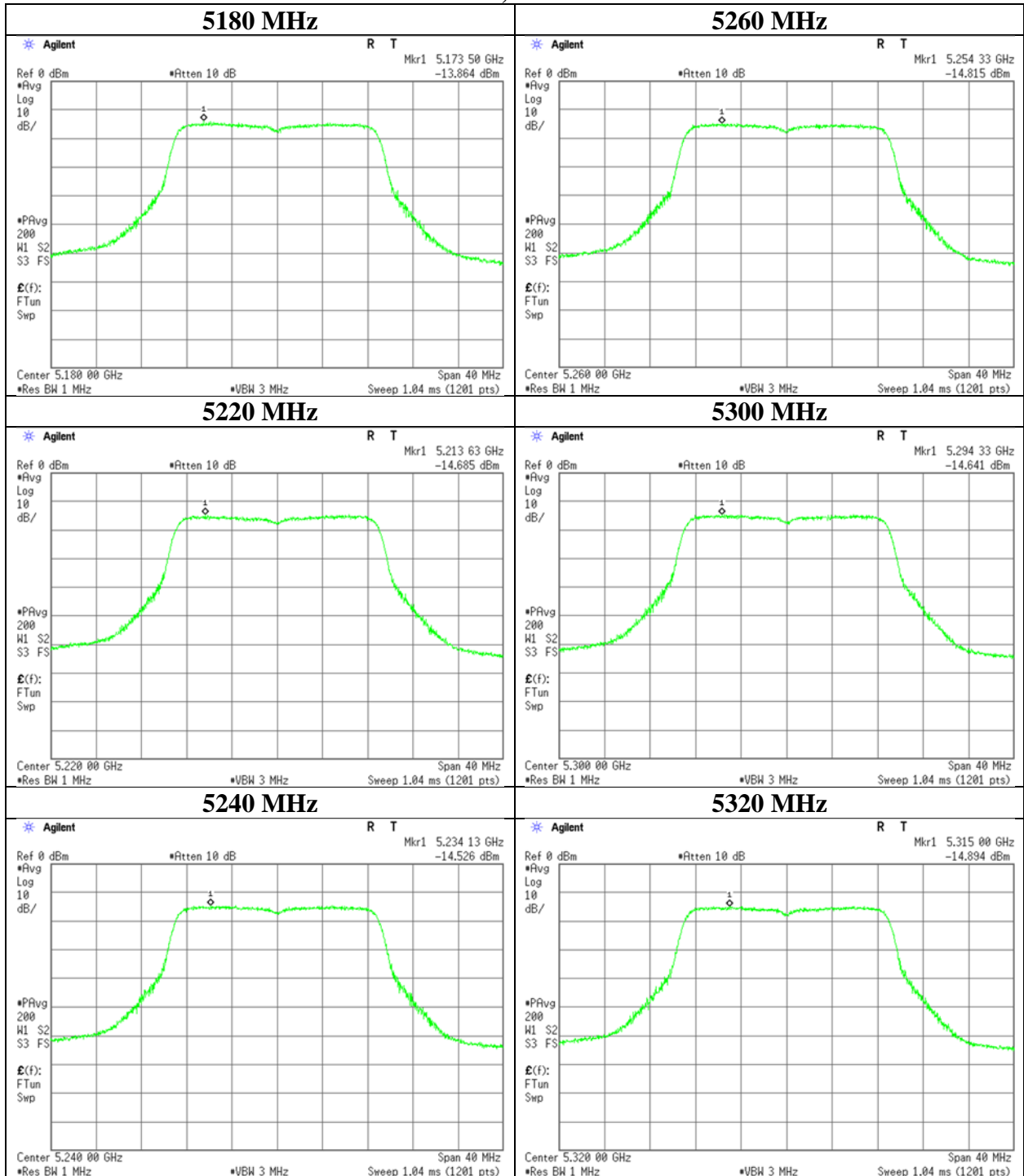


5825 MHz



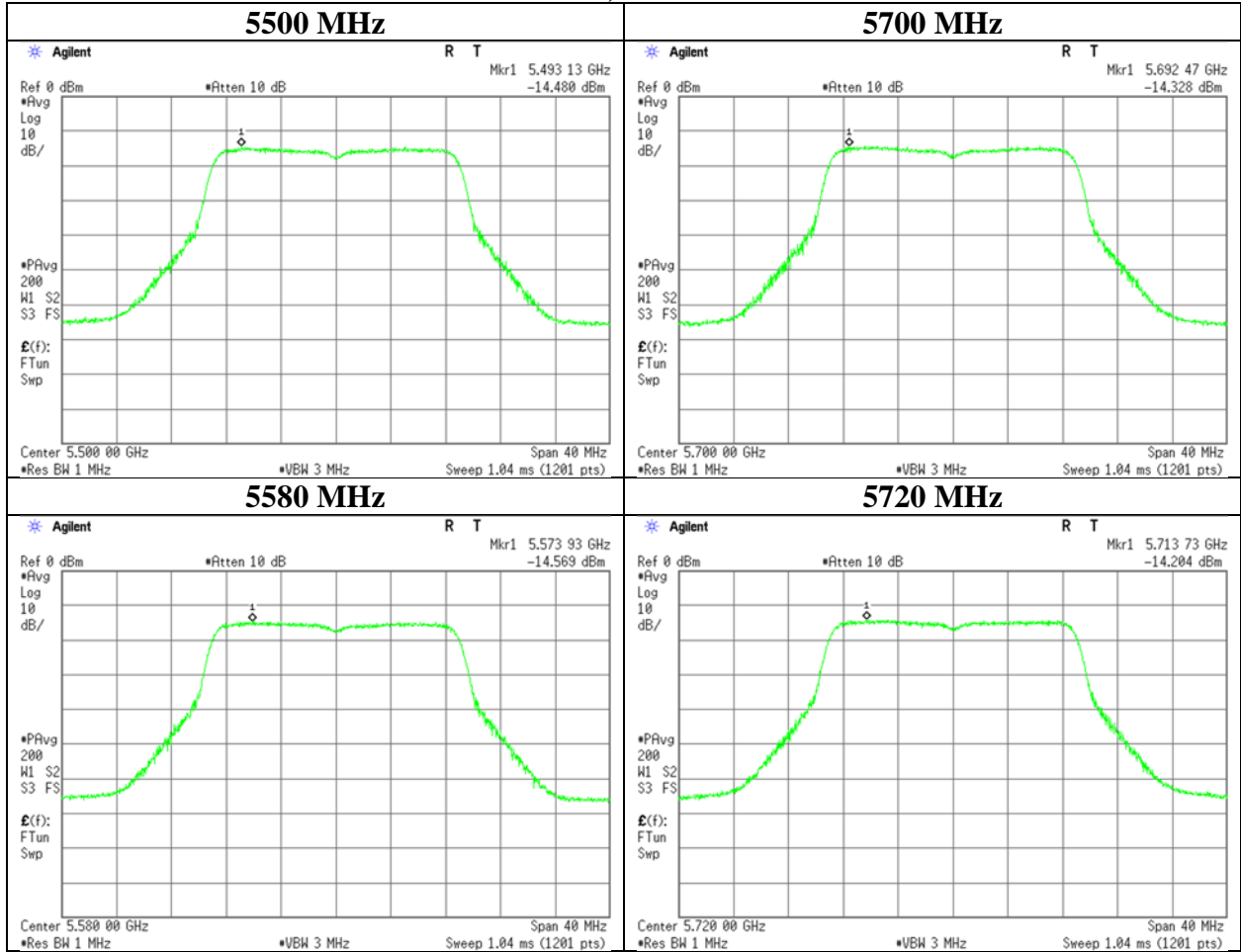
Maximum Power Spectral Density

11n-20, Chain 1



Maximum Power Spectral Density

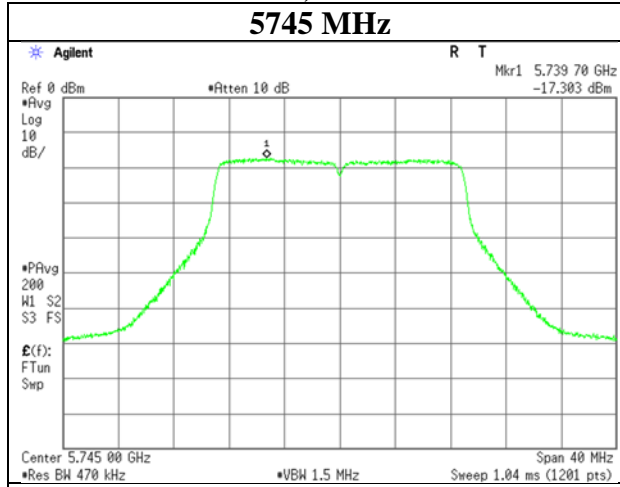
11n-20, Chain 1



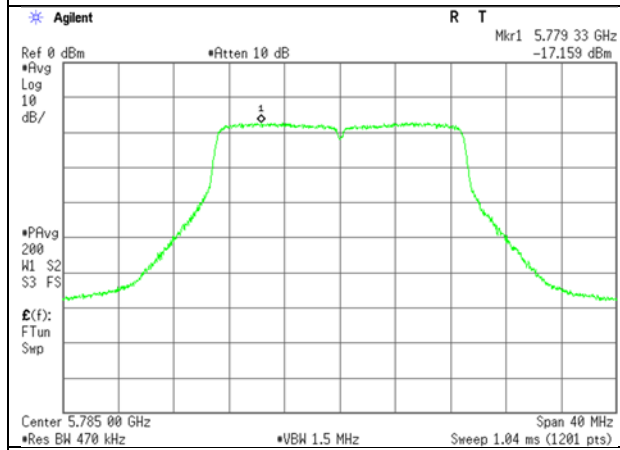
Maximum Power Spectral Density

11n-20, Chain 1

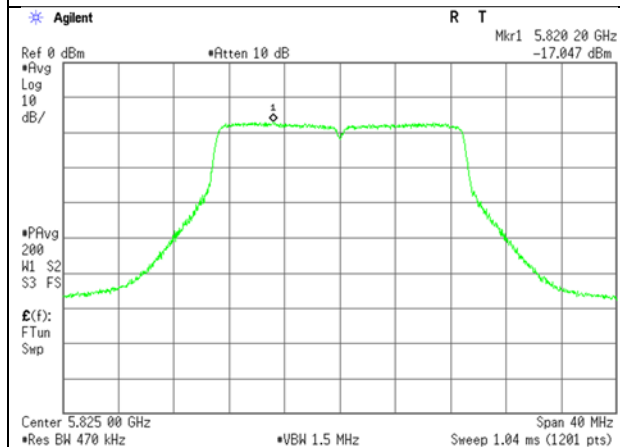
5745 MHz



5785 MHz

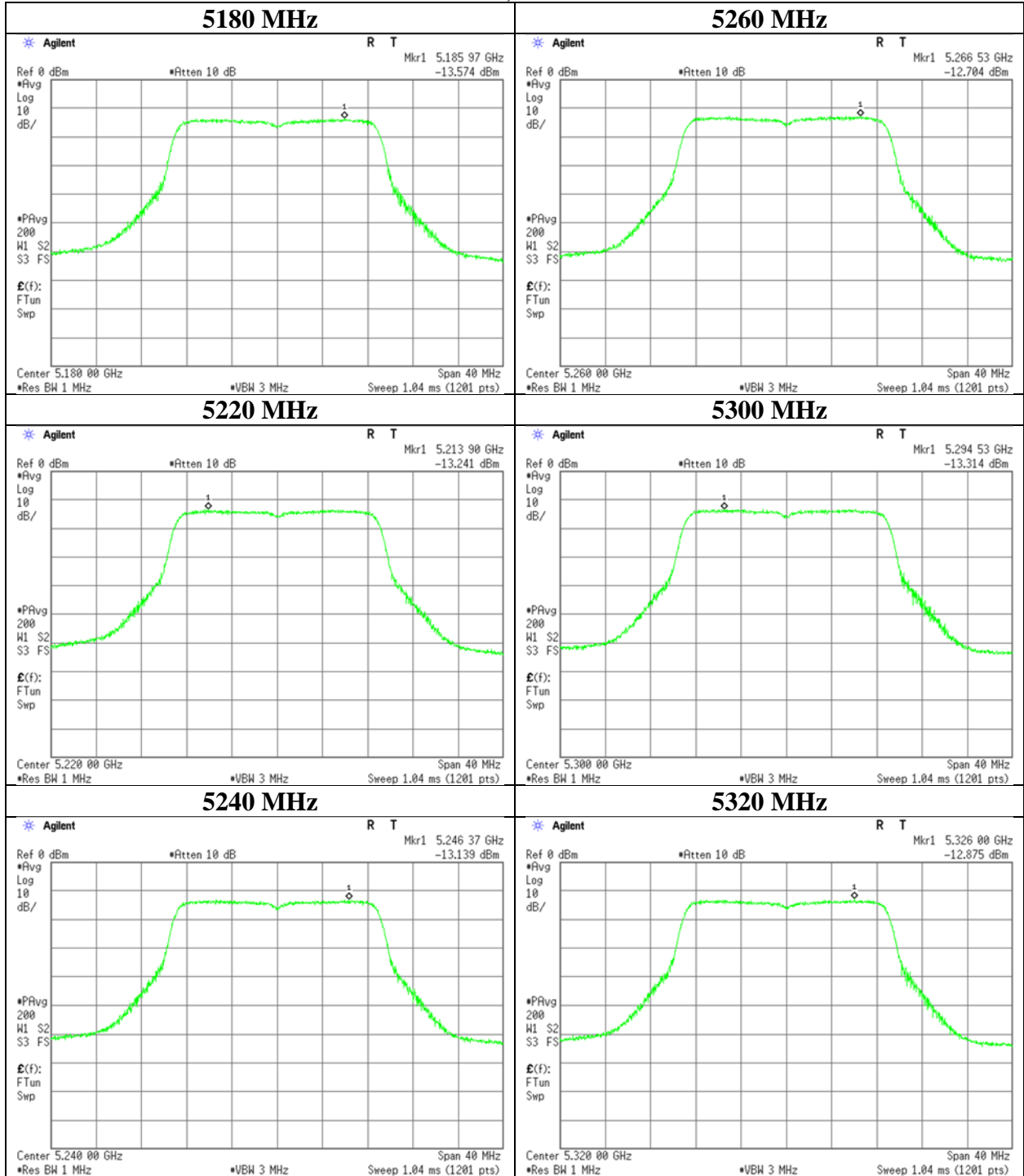


5825 MHz



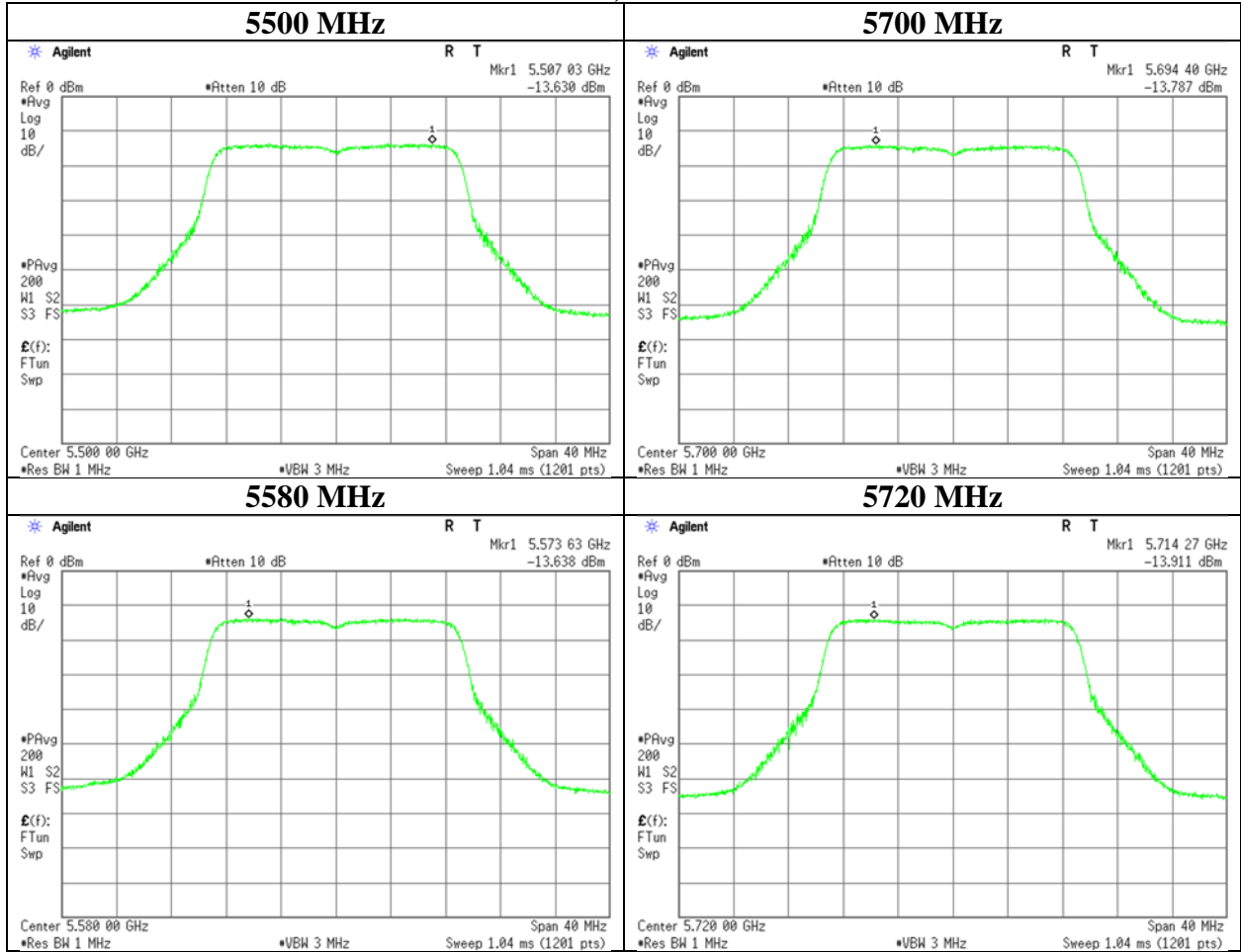
Maximum Power Spectral Density

11ac-20, Chain 0



Maximum Power Spectral Density

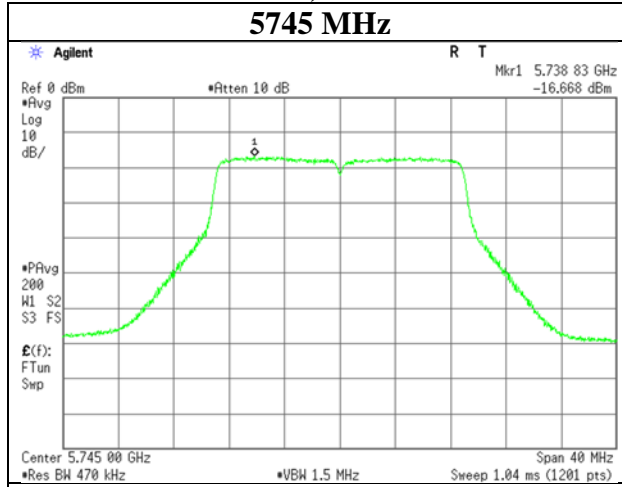
11ac-20, Chain 0



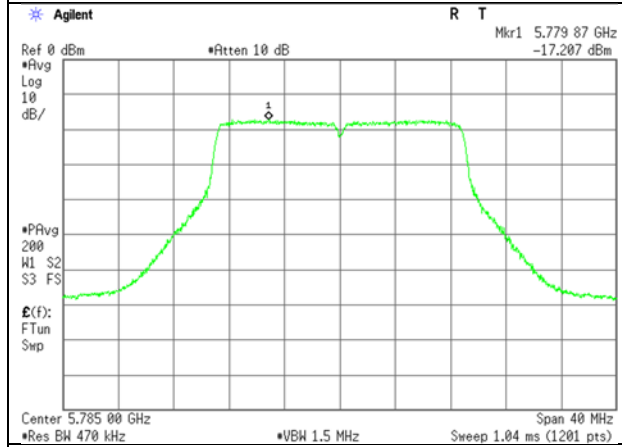
Maximum Power Spectral Density

11ac-20, Chain 0

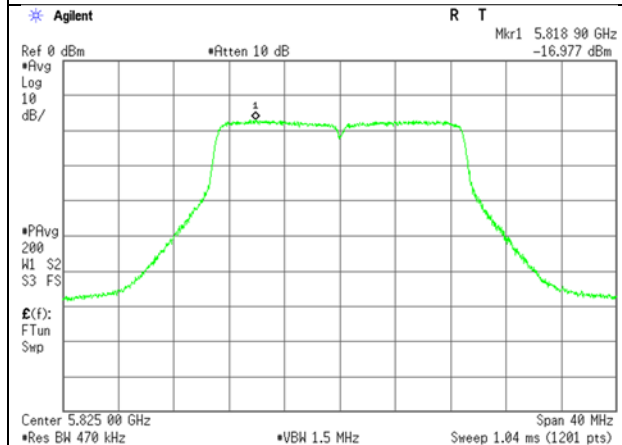
5745 MHz



5785 MHz

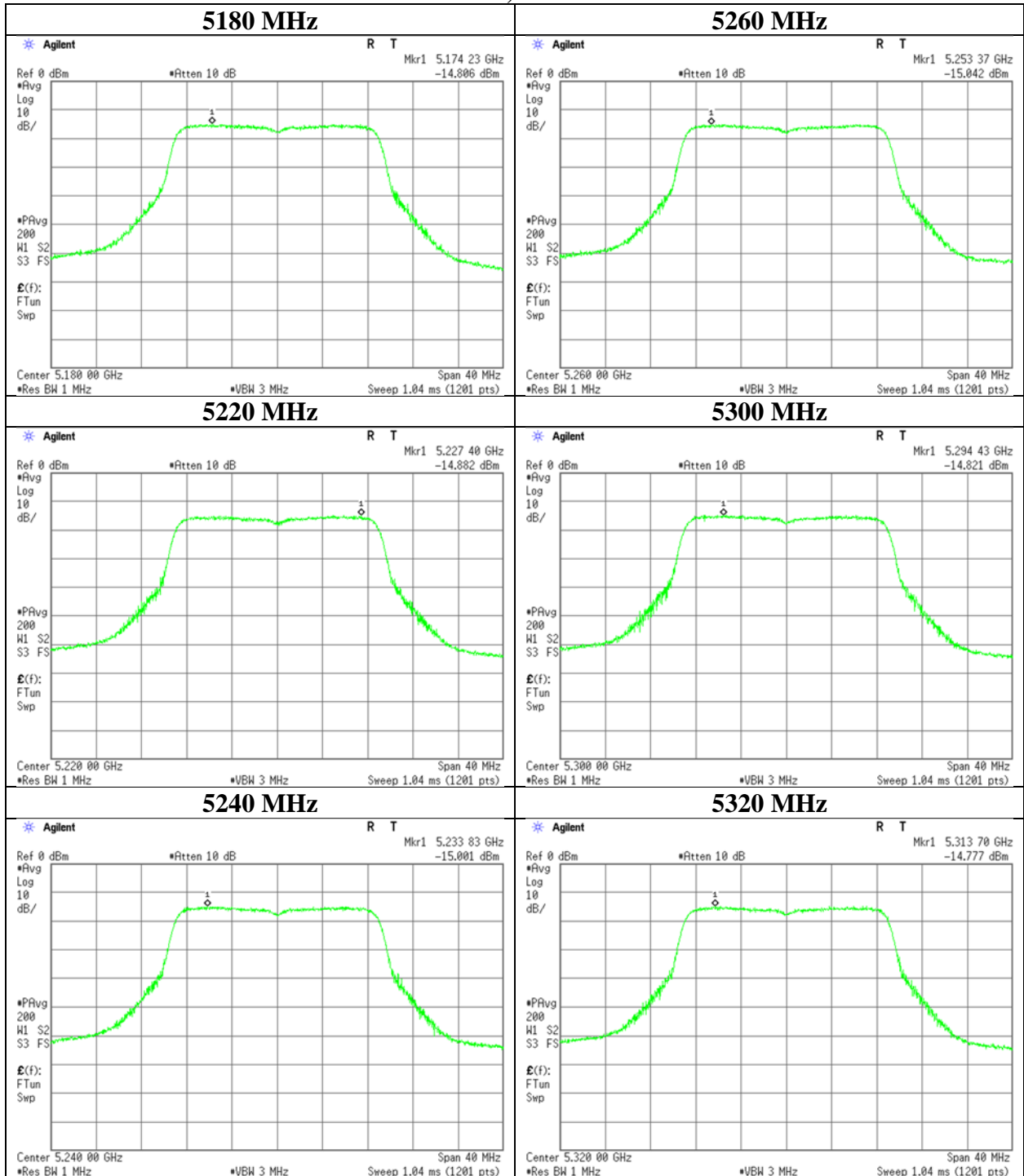


5825 MHz



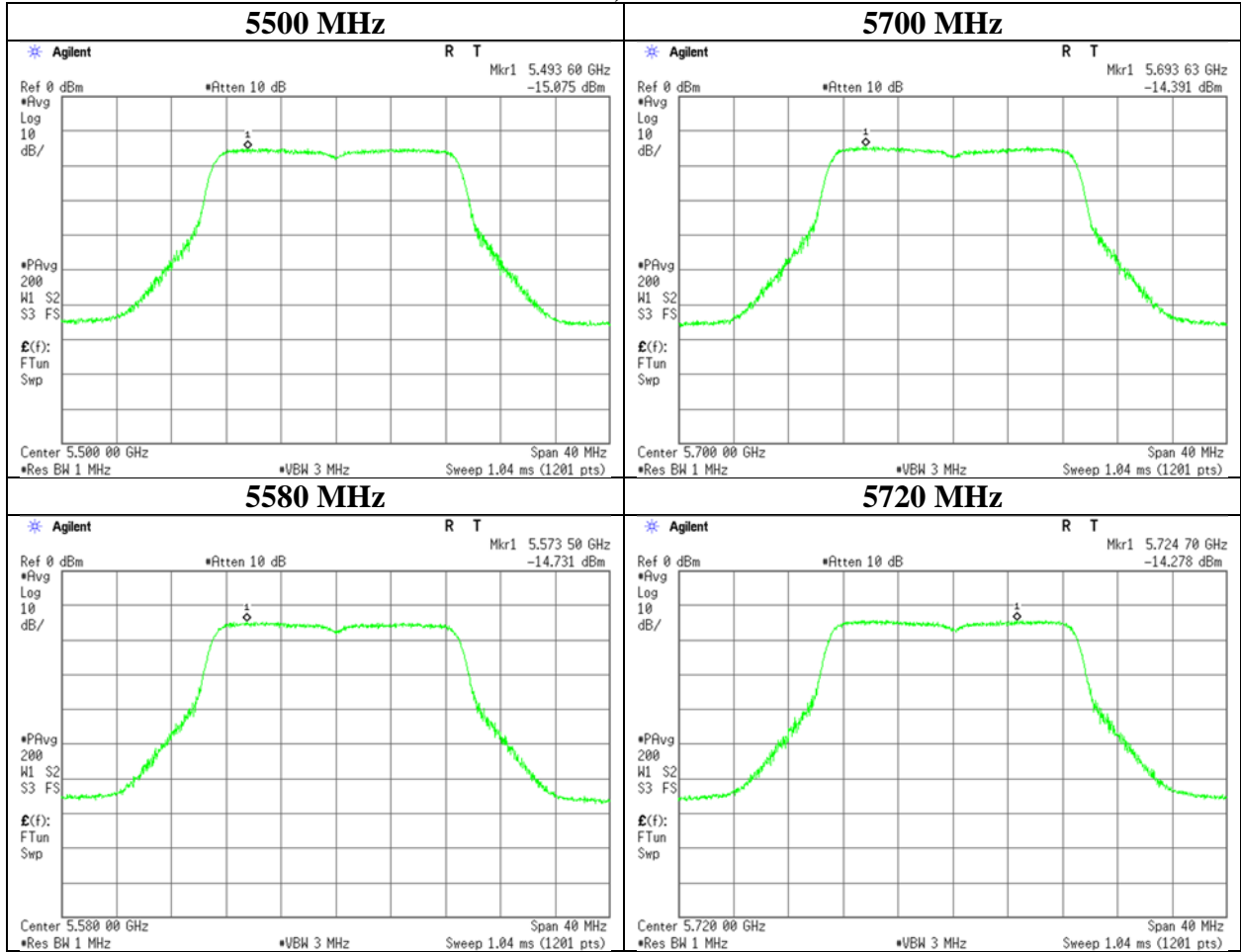
Maximum Power Spectral Density

11ac-20, Chain 1



Maximum Power Spectral Density

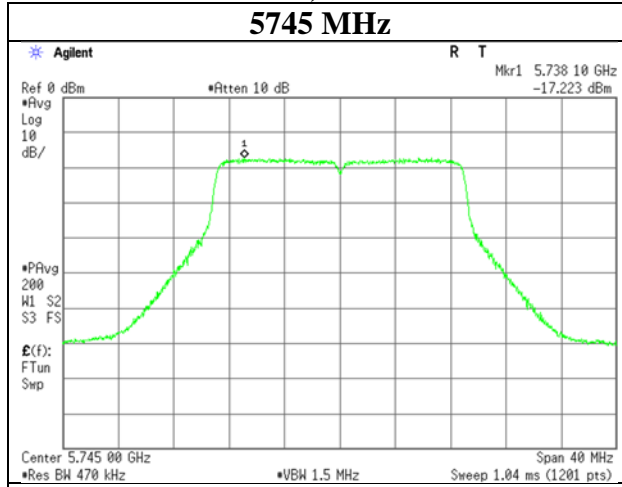
11ac-20, Chain 1



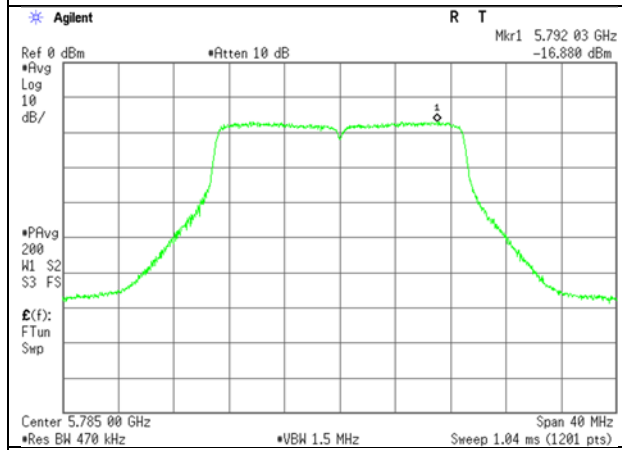
Maximum Power Spectral Density

11ac-20, Chain 1

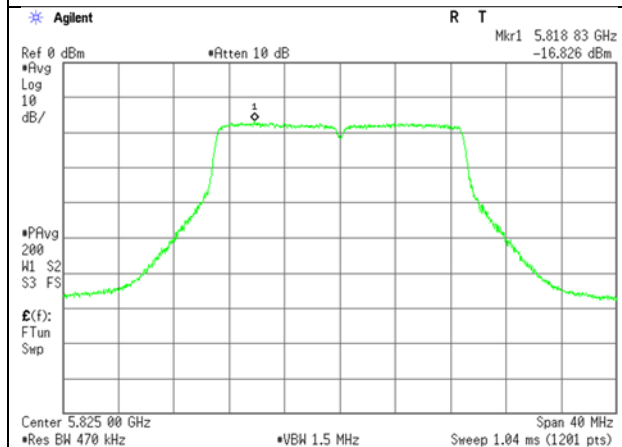
5745 MHz



5785 MHz

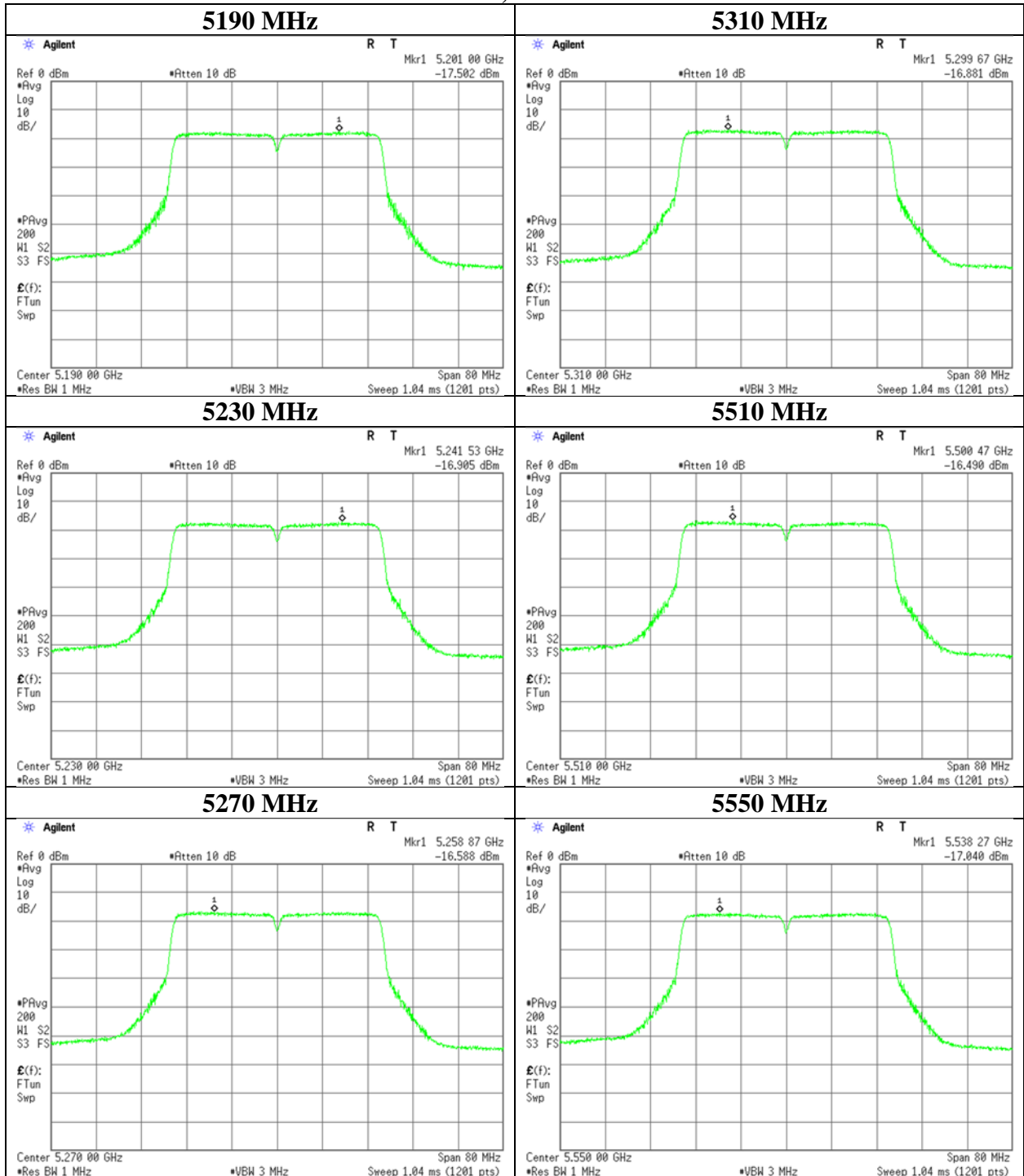


5825 MHz



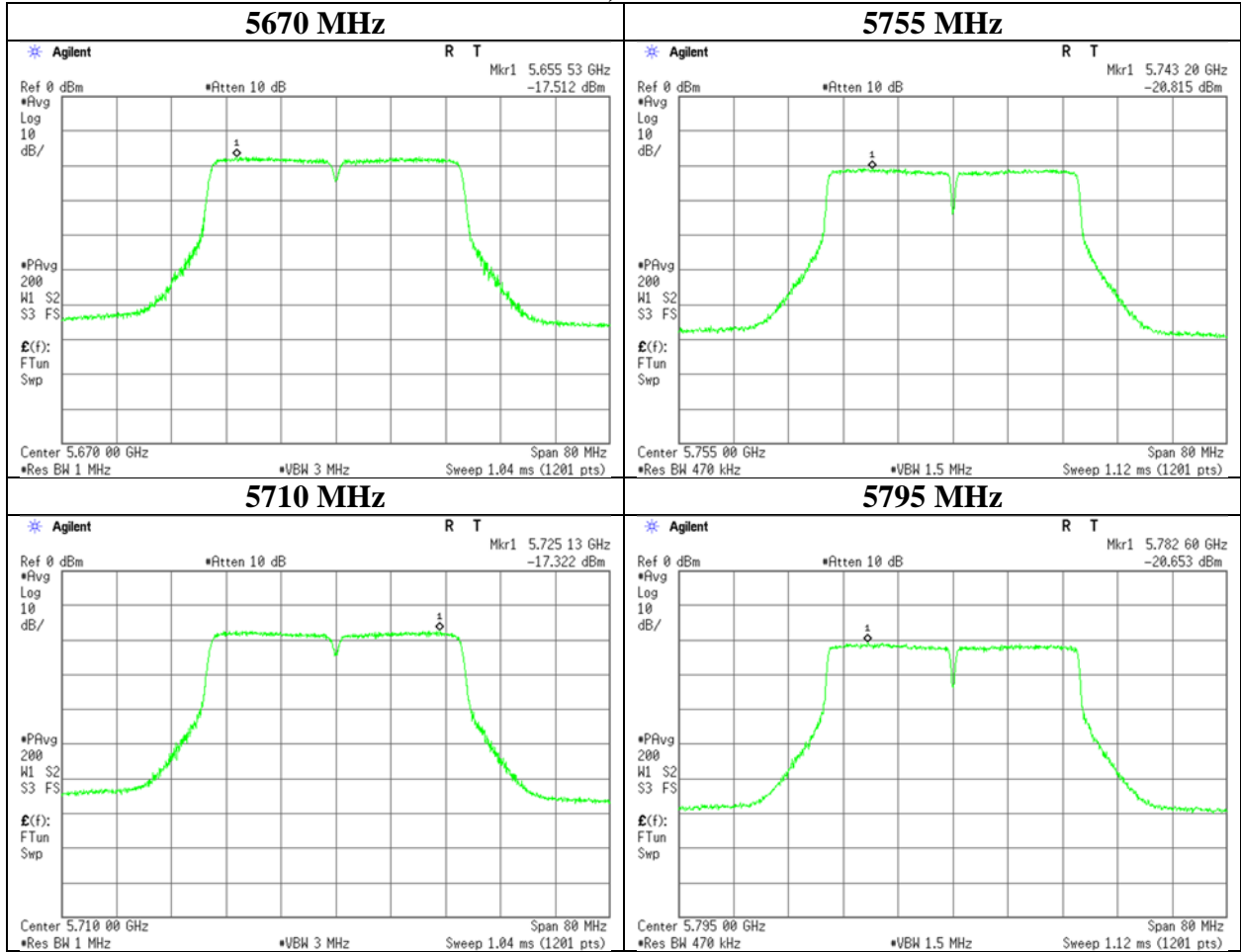
Maximum Power Spectral Density

11n-40, Chain 0



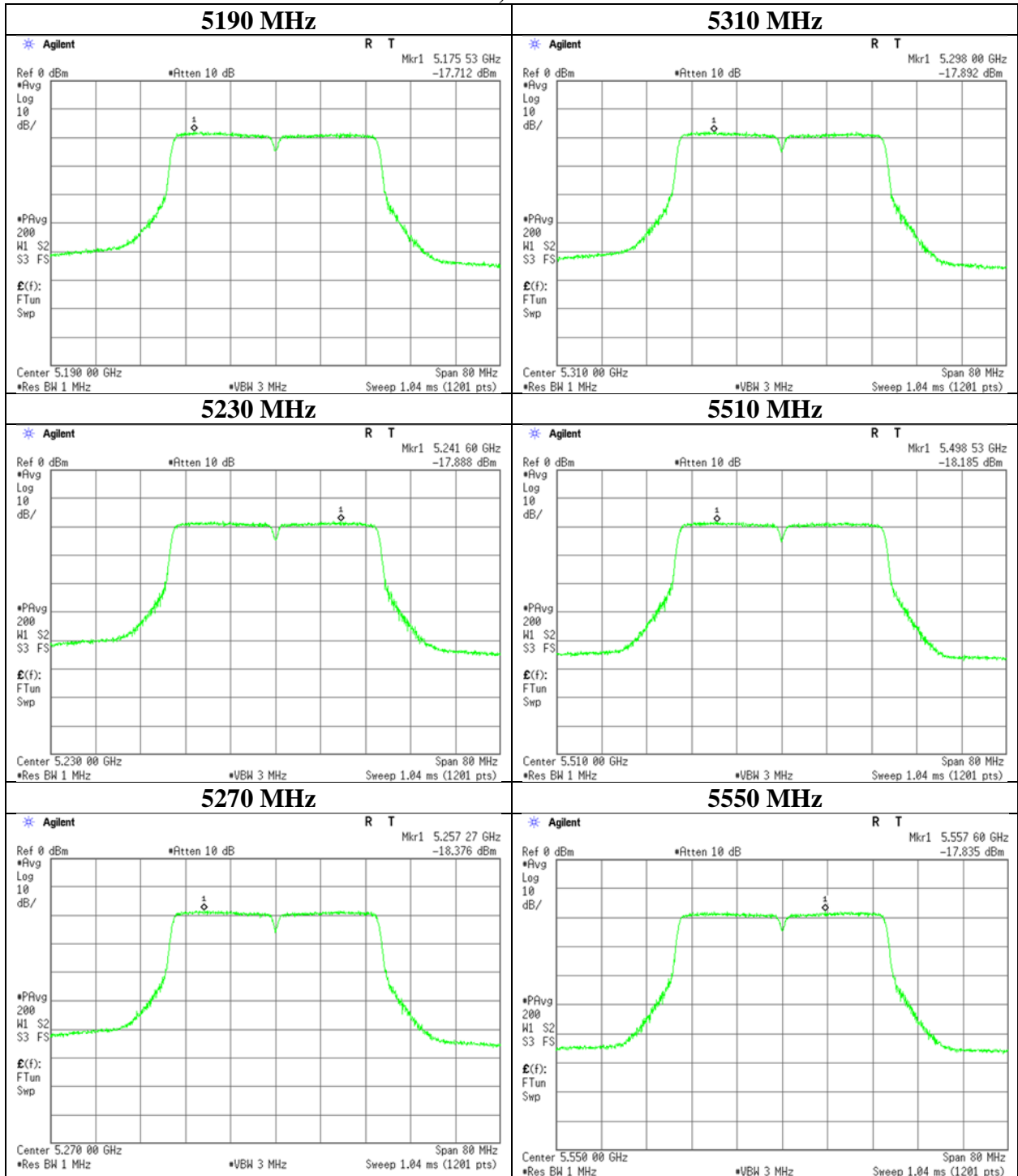
Maximum Power Spectral Density

11n-40, Chain 0



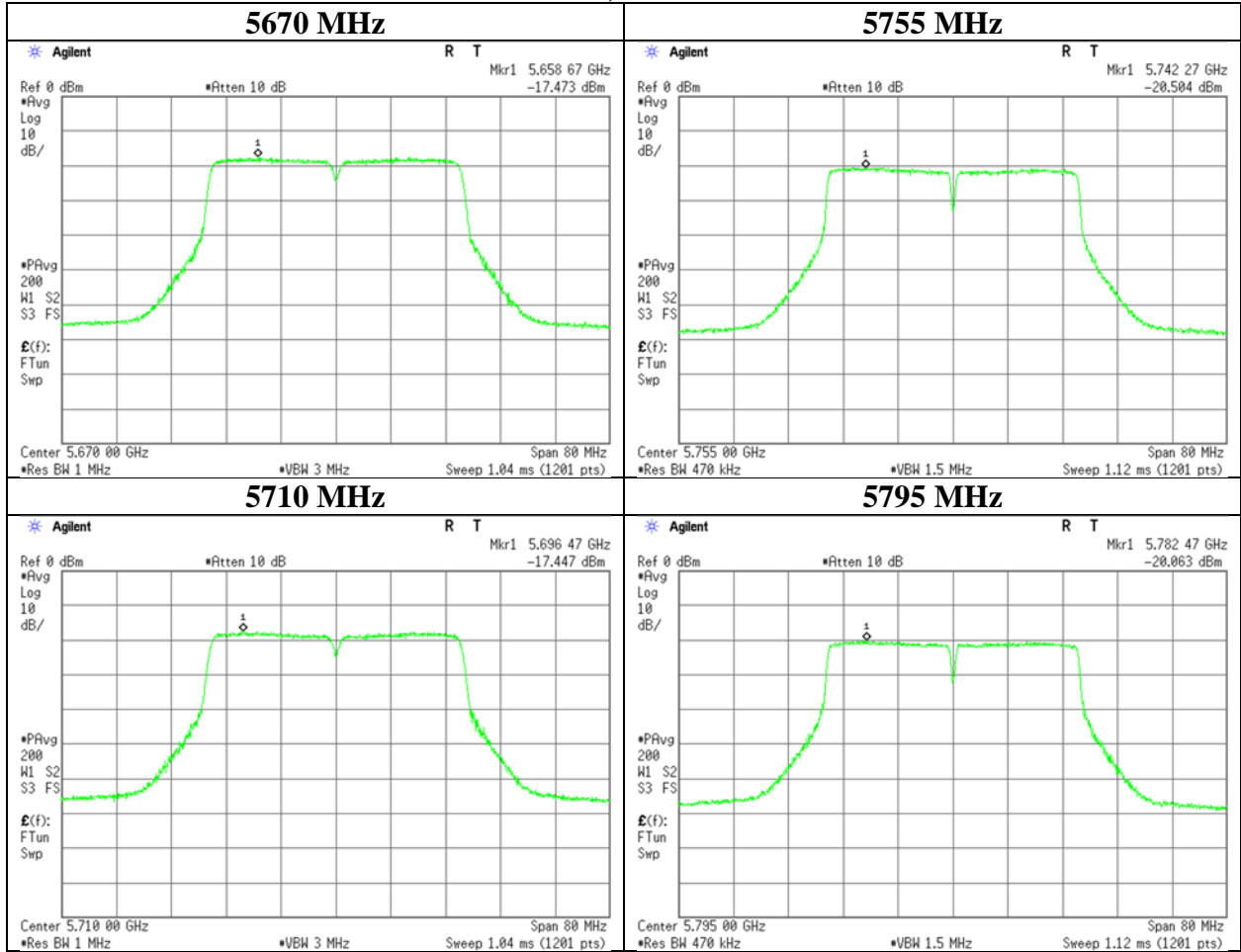
Maximum Power Spectral Density

11n-40, Chain 1



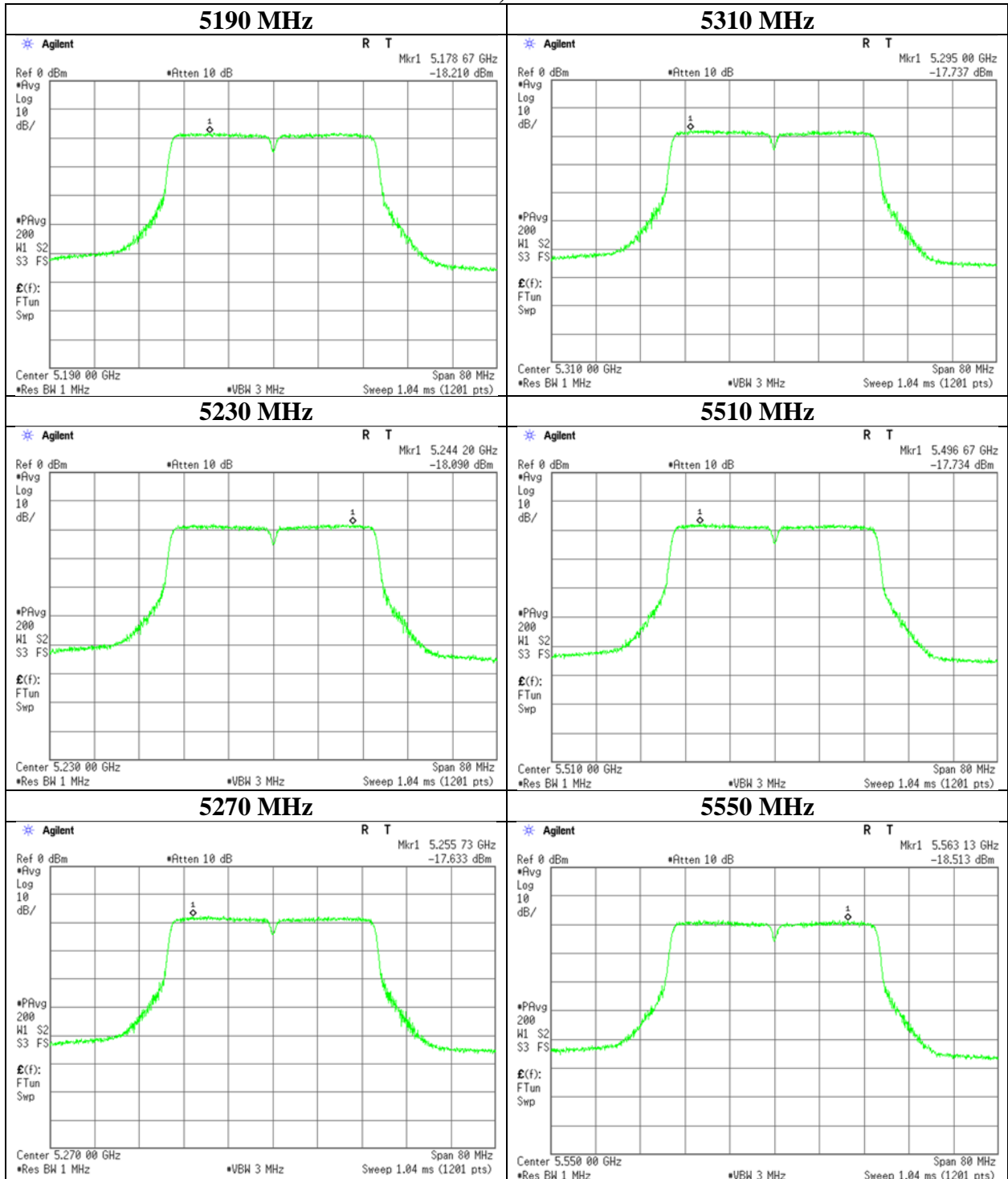
Maximum Power Spectral Density

11n-40, Chain 1



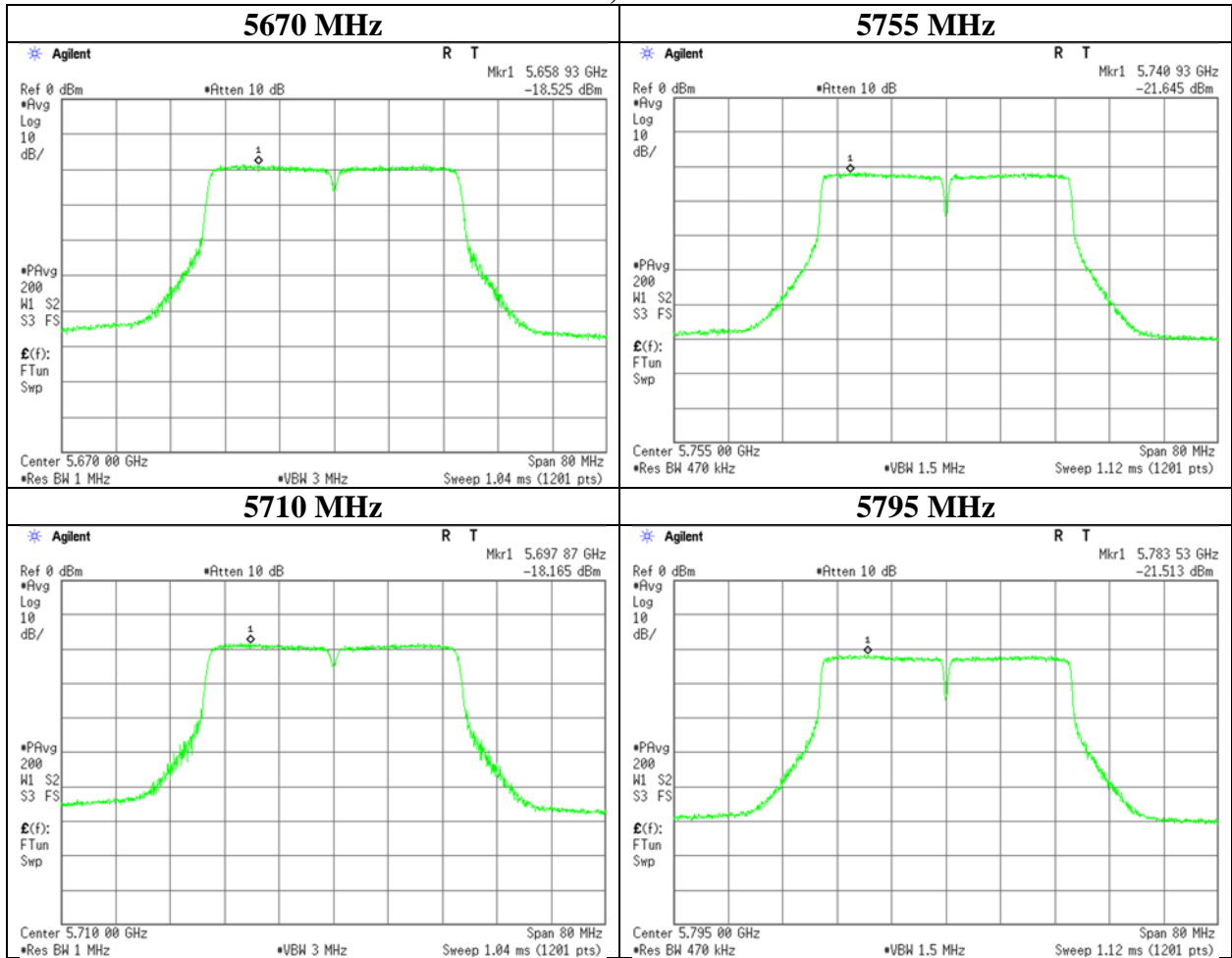
Maximum Power Spectral Density

11ac-40, Chain 0



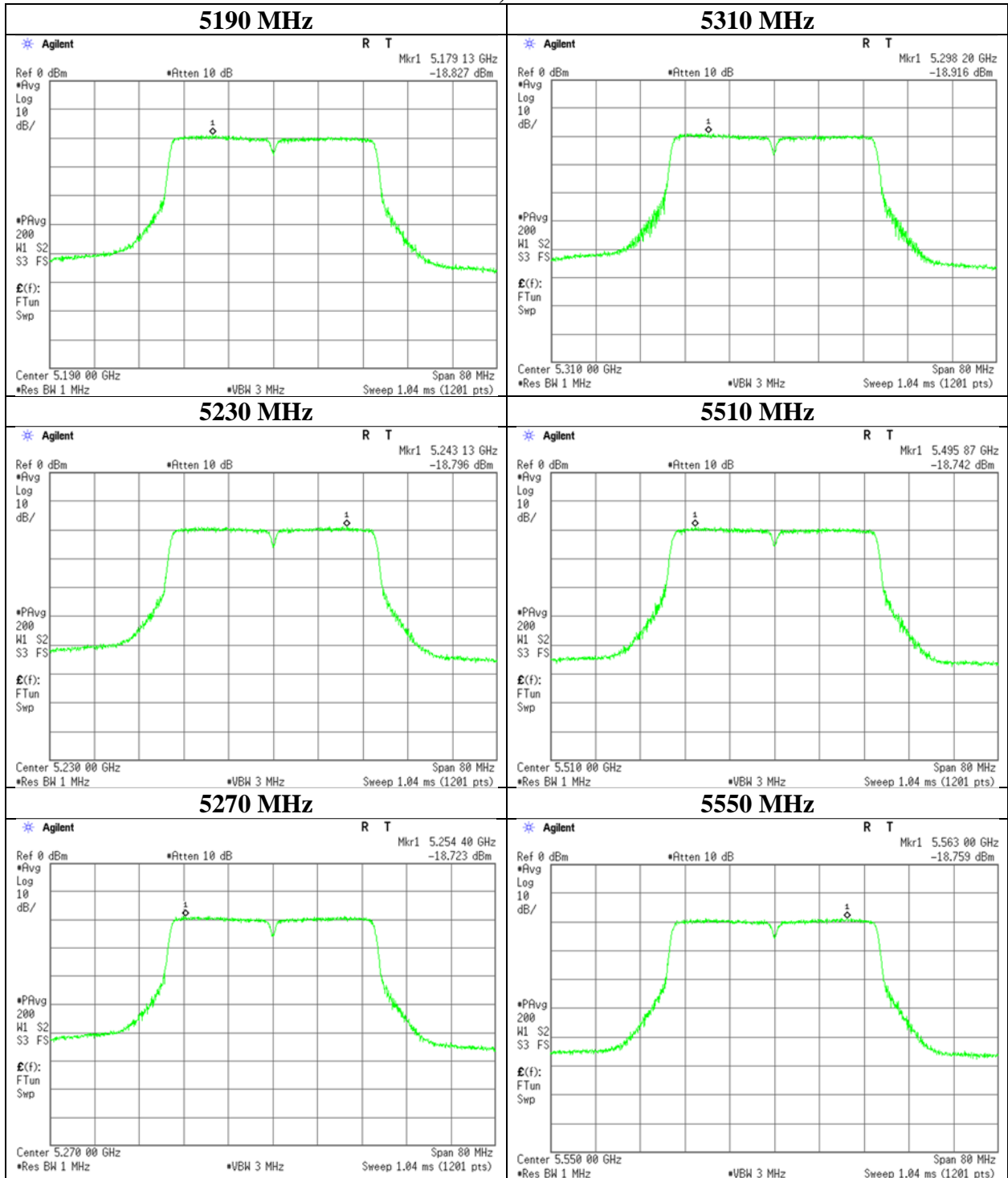
Maximum Power Spectral Density

11ac-40, Chain 0



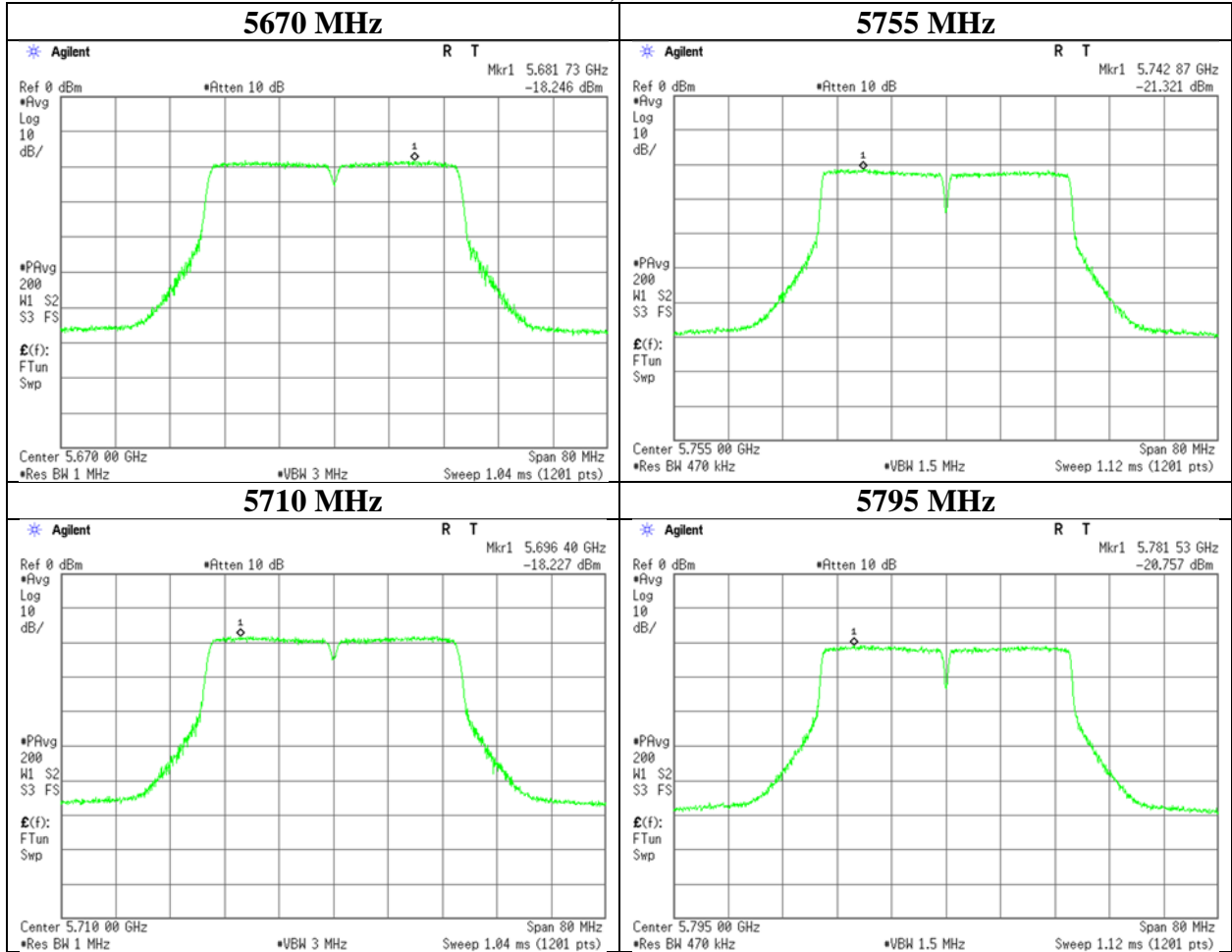
Maximum Power Spectral Density

11ac-40, Chain 1



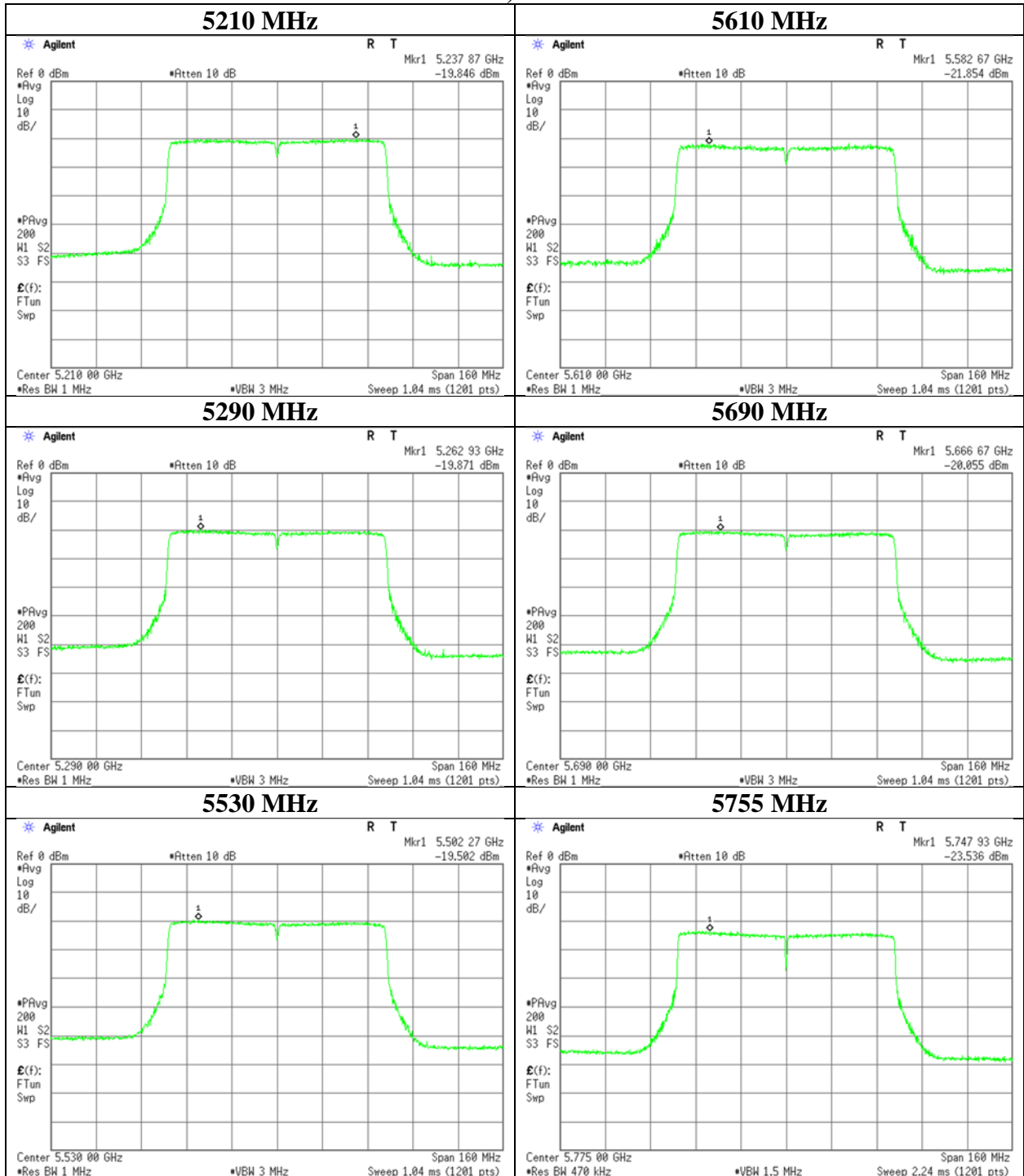
Maximum Power Spectral Density

11ac-40, Chain 1



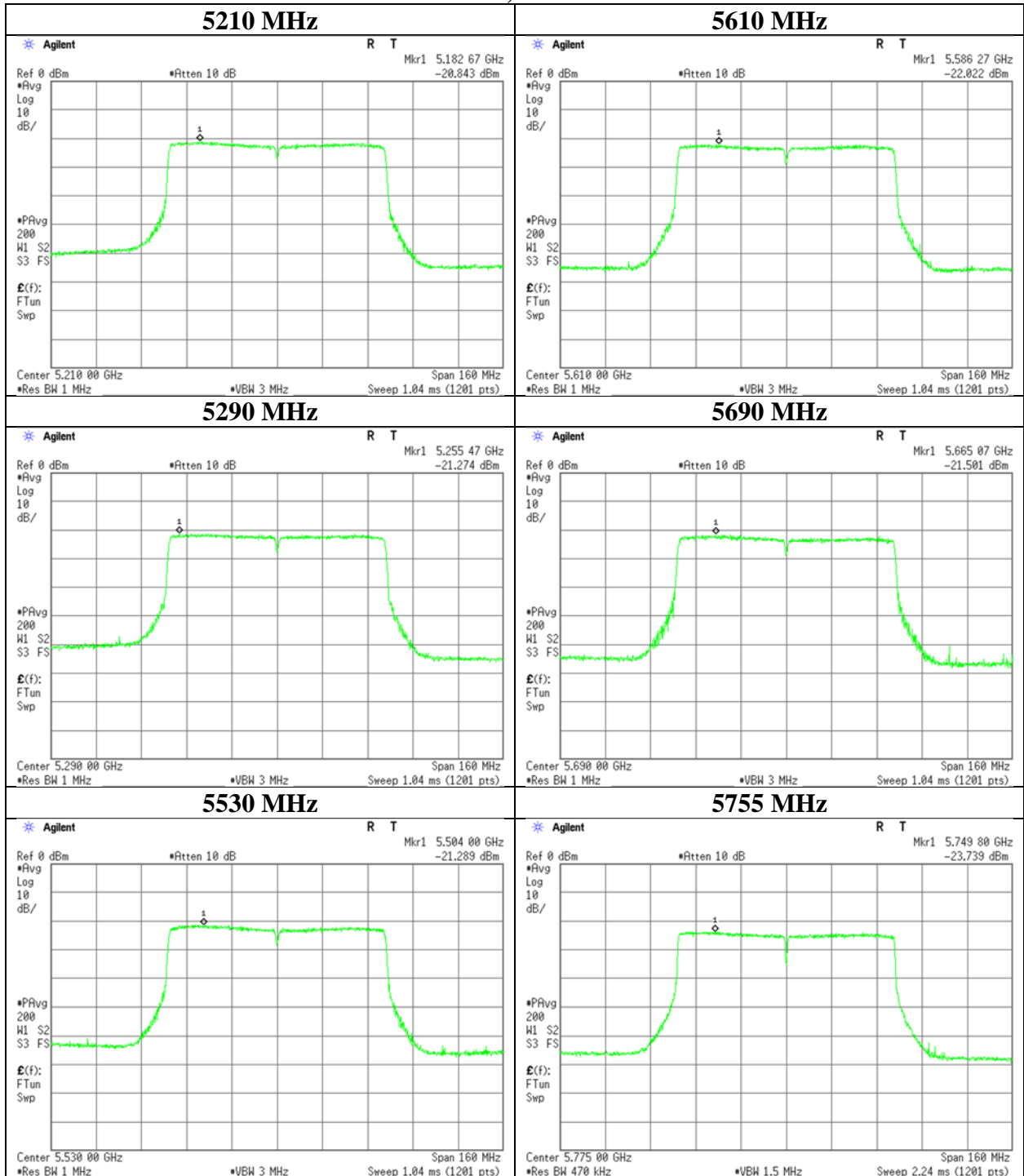
Maximum Power Spectral Density

11ac-80, Chain 0



Maximum Power Spectral Density

11ac-80, Chain 1



Radiated Spurious Emission

Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5180 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|----------------------|-----------------|----------------|------|------|----------------|---------------------|----------------|--------------------|---------------|---------------------|----------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 5150.0 | 48.7 | 33.4 | 31.9 | 6.6 | 31.9 | - | 55.2 | 39.9 | 73.9 | 53.9 | 18.7 | 14.0 | |
| Hori. | 10360.0 | 42.1 | - | 39.9 | -1.9 | 33.8 | - | 46.3 | - | 68.2 | - | 21.9 | - | Floor noise |
| Hori. | 15540.0 | 43.2 | 35.8 | 37.6 | 0.0 | 33.0 | - | 47.9 | 40.4 | 73.9 | 53.9 | 26.0 | 13.5 | Floor noise |
| Vert. | 5150.0 | 50.0 | 34.1 | 31.9 | 6.6 | 31.9 | - | 56.6 | 40.6 | 73.9 | 53.9 | 17.3 | 13.3 | |
| Vert. | 10360.0 | 42.2 | - | 39.9 | -1.9 | 33.8 | - | 46.4 | - | 68.2 | - | 21.8 | - | Floor noise |
| Vert. | 15540.0 | 43.3 | 35.8 | 37.6 | 0.0 | 33.0 | - | 48.0 | 40.5 | 73.9 | 53.9 | 25.9 | 13.4 | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

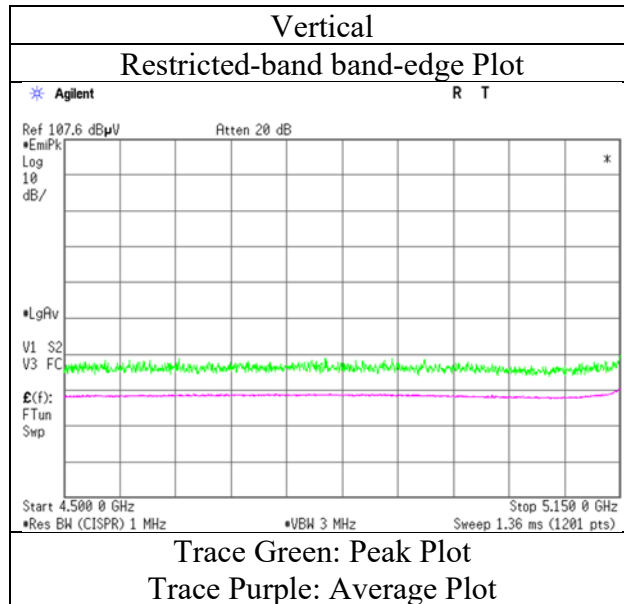
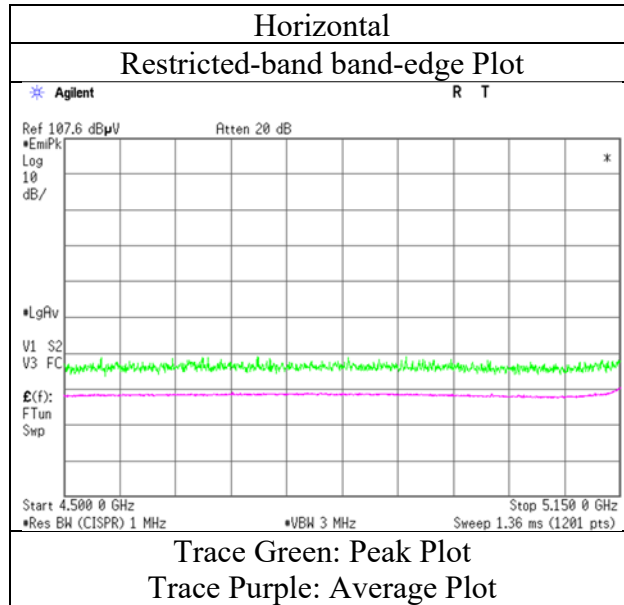
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) |
| Mode | Tx 11ac-20 5180 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5260 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 10520.0 | 42.1 | - | 39.8 | -1.9 | 33.8 | - | 46.3 | - | 68.2 | - | 21.9 | - | Floor noise |
| Hori. | 15780.0 | 43.2 | 35.7 | 37.5 | 0.1 | 33.0 | - | 47.8 | 40.3 | 73.9 | 53.9 | 26.1 | 13.6 | Floor noise |
| Vert. | 10520.0 | 42.4 | - | 39.8 | -1.9 | 33.8 | - | 46.6 | - | 68.2 | - | 21.6 | - | Floor noise |
| Vert. | 15780.0 | 43.2 | 35.8 | 37.5 | 0.1 | 33.0 | - | 47.8 | 40.4 | 73.9 | 53.9 | 26.1 | 13.5 | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|--|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| Mode | (1 GHz to 10 GHz) Tx 11ac-20 5320 MHz | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |

| Polarity [Hori/Vert] | Frequency [MHz] | Reading (QP / PK) [dBuV] | Reading (AV) [dBuV] | Ant. Factor [dB/m] | Loss [dB] | Gain [dB] | Duty Factor [dB] | Result (QP / PK) [dBuV/m] | Result (AV) [dBuV/m] | Limit (QP / PK) [dBuV/m] | Limit (AV) [dBuV/m] | Margin (QP / PK) [dB] | Margin (AV) [dB] | Remark |
|-------------------------|--------------------|--------------------------------|---------------------------|--------------------------|--------------|--------------|------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------|-------------|
| Hori. | 5350.0 | 47.1 | 32.2 | 31.7 | 6.7 | 31.9 | - | 53.5 | 38.6 | 73.9 | 53.9 | 20.4 | 15.3 | |
| Hori. | 10640.0 | 42.3 | 34.1 | 39.8 | -1.8 | 33.8 | - | 46.6 | 38.4 | 73.9 | 53.9 | 27.4 | 15.6 | Floor noise |
| Hori. | 15960.0 | 43.2 | 35.5 | 37.5 | 0.1 | 33.0 | - | 47.9 | 40.2 | 73.9 | 53.9 | 26.0 | 13.8 | Floor noise |
| Vert. | 5350.0 | 48.1 | 32.3 | 31.7 | 6.7 | 31.9 | - | 54.5 | 38.7 | 73.9 | 53.9 | 19.4 | 15.2 | |
| Vert. | 10640.0 | 42.5 | 34.2 | 39.8 | -1.8 | 33.8 | - | 46.8 | 38.4 | 73.9 | 53.9 | 27.1 | 15.5 | Floor noise |
| Vert. | 15960.0 | 43.3 | 35.8 | 37.5 | 0.1 | 33.0 | - | 48.0 | 40.5 | 73.9 | 53.9 | 25.9 | 13.4 | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

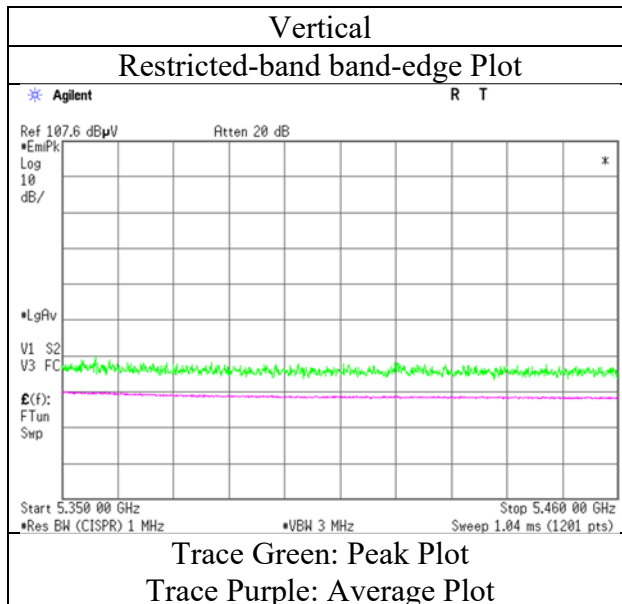
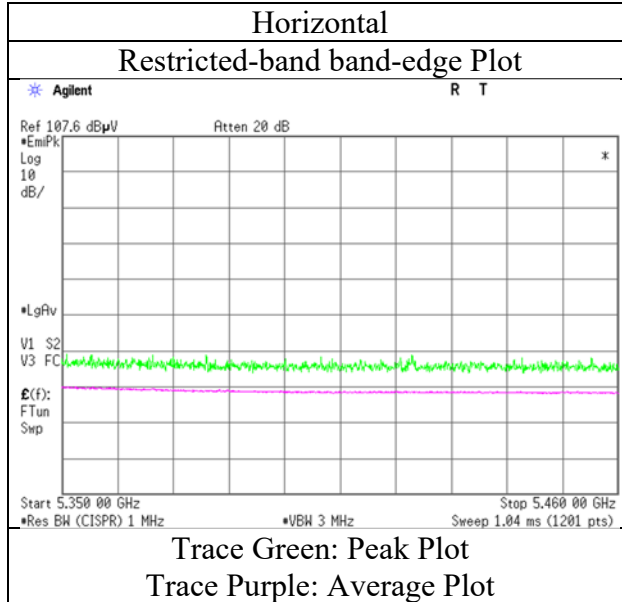
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz 20log(4 m / 3.0 m) = 2.5 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| Mode | Tx 11ac-20 5320 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5500 MHz | | |

| Polarity [Hori/Vert] | Frequency [MHz] | Reading (QP / PK) [dBuV] | Reading (AV) [dBuV] | Ant. Factor [dB/m] | Loss [dB] | Gain [dB] | Duty Factor [dB] | Result (QP / PK) [dBuV/m] | Result (AV) [dBuV/m] | Limit (QP / PK) [dBuV/m] | Limit (AV) [dBuV/m] | Margin (QP / PK) [dB] | Margin (AV) [dB] | Remark |
|-------------------------|--------------------|--------------------------------|---------------------------|--------------------------|--------------|--------------|------------------------|---------------------------------|----------------------------|--------------------------------|---------------------------|-----------------------------|------------------------|-------------|
| Hori. | 5460.0 | 46.1 | 32.4 | 31.9 | 6.7 | 31.9 | - | 52.8 | 39.1 | 73.9 | 53.9 | 21.1 | 14.8 | |
| Hori. | 5470.0 | 47.0 | - | 31.9 | 6.7 | 31.9 | - | 53.7 | - | 73.9 | - | 20.2 | - | |
| Hori. | 11000.0 | 42.2 | 34.1 | 40.3 | -1.7 | 33.8 | - | 47.0 | 38.9 | 73.9 | 53.9 | 26.9 | 15.0 | Floor noise |
| Hori. | 16500.0 | 43.0 | - | 39.8 | 0.3 | 33.0 | - | 50.1 | - | 68.2 | - | 18.1 | - | Floor noise |
| Vert. | 5460.0 | 49.5 | 35.0 | 31.9 | 6.7 | 31.9 | - | 56.1 | 41.7 | 73.9 | 53.9 | 17.8 | 12.3 | |
| Vert. | 5470.0 | 49.7 | - | 31.9 | 6.7 | 31.9 | - | 56.3 | - | 73.9 | - | 17.6 | - | |
| Vert. | 11000.0 | 42.2 | 34.2 | 40.3 | -1.7 | 33.8 | - | 47.0 | 39.0 | 73.9 | 53.9 | 26.9 | 14.9 | Floor noise |
| Vert. | 16500.0 | 43.1 | - | 39.8 | 0.3 | 33.0 | - | 50.2 | - | 68.2 | - | 18.0 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

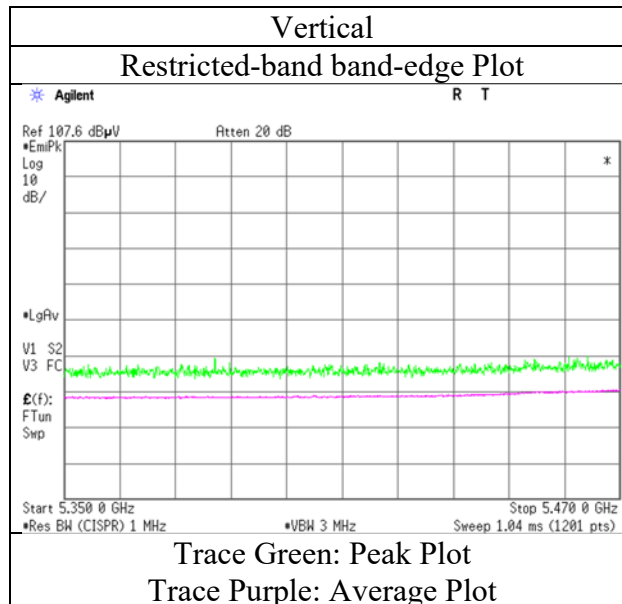
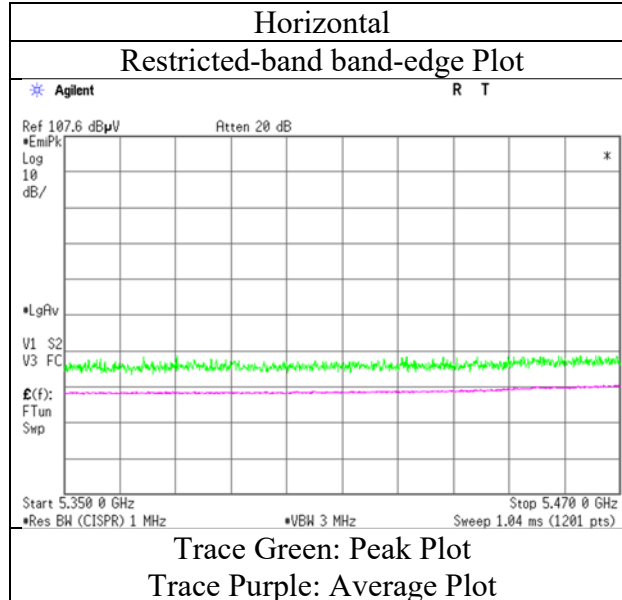
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz 20log(4 m / 3.0 m) = 2.5 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| Mode | Tx 11ac-20 5500 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5580 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 11160.0 | 42.1 | 34.0 | 39.9 | -1.5 | 33.8 | - | 46.7 | 38.6 | 73.9 | 53.9 | 27.2 | 15.3 | Floor noise |
| Hori. | 16740.0 | 43.2 | - | 40.8 | 0.4 | 33.0 | - | 51.4 | - | 68.2 | - | 16.8 | - | Floor noise |
| Vert. | 11160.0 | 42.4 | 34.3 | 39.9 | -1.5 | 33.8 | - | 47.0 | 38.9 | 73.9 | 53.9 | 26.9 | 15.0 | Floor noise |
| Vert. | 16740.0 | 43.3 | - | 40.8 | 0.4 | 33.0 | - | 51.5 | - | 68.2 | - | 16.7 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5700 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 5725.0 | 46.0 | - | 32.1 | 6.8 | 32.0 | - | 53.0 | - | 73.9 | - | 20.9 | - | |
| Hori. | 11400.0 | 42.5 | 34.3 | 40.1 | -1.3 | 33.7 | - | 47.6 | 39.4 | 73.9 | 53.9 | 26.3 | 14.5 | Floor noise |
| Hori. | 17100.0 | 43.3 | - | 42.0 | 0.5 | 33.0 | - | 52.8 | - | 68.2 | - | 15.4 | - | Floor noise |
| Vert. | 5725.0 | 47.5 | - | 32.1 | 6.8 | 32.0 | - | 54.5 | - | 73.9 | - | 19.4 | - | |
| Vert. | 11400.0 | 42.6 | 34.5 | 40.1 | -1.3 | 33.7 | - | 47.7 | 39.5 | 73.9 | 53.9 | 26.2 | 14.4 | Floor noise |
| Vert. | 17100.0 | 43.4 | - | 42.0 | 0.5 | 33.0 | - | 52.9 | - | 68.2 | - | 15.3 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

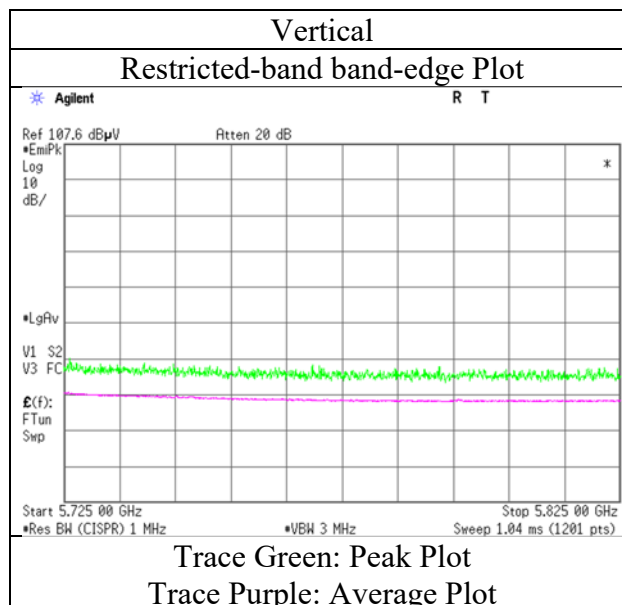
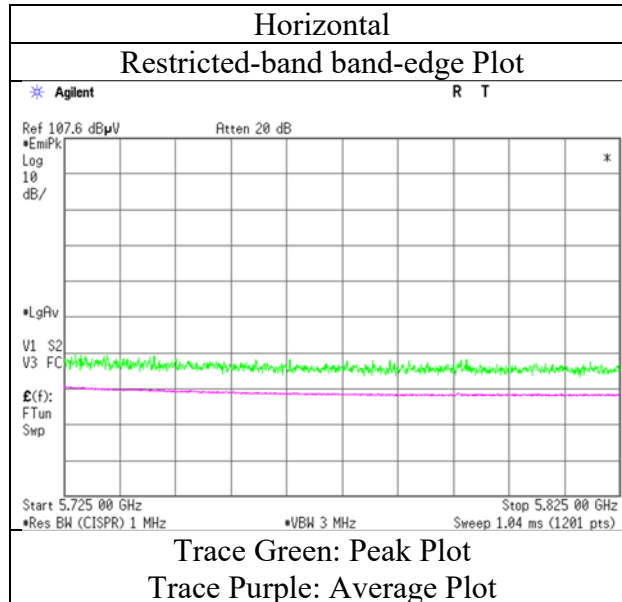
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| Mode | Tx 11ac-20 5700 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5745 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 5650.0 | 42.2 | - | 31.9 | 6.8 | 32.0 | - | 48.9 | - | 68.2 | - | 19.3 | - | |
| Hori. | 5700.0 | 43.6 | - | 32.1 | 6.8 | 32.0 | - | 50.5 | - | 105.2 | - | 54.7 | - | |
| Hori. | 5720.0 | 46.2 | - | 32.1 | 6.8 | 32.0 | - | 53.1 | - | 110.8 | - | 57.7 | - | |
| Hori. | 5725.0 | 51.5 | - | 32.1 | 6.8 | 32.0 | - | 58.5 | - | 122.2 | - | 63.7 | - | |
| Hori. | 11490.0 | 42.6 | 34.0 | 39.9 | -1.3 | 33.7 | - | 47.5 | 39.0 | 73.9 | 53.9 | 26.4 | 15.0 | Floor noise |
| Hori. | 17235.0 | 43.3 | - | 43.0 | 0.5 | 33.0 | - | 53.8 | - | 68.2 | - | 14.4 | - | Floor noise |
| Vert. | 5650.0 | 42.1 | - | 31.9 | 6.8 | 32.0 | - | 48.9 | - | 68.2 | - | 19.3 | - | |
| Vert. | 5700.0 | 42.4 | - | 32.1 | 6.8 | 32.0 | - | 49.3 | - | 105.2 | - | 55.9 | - | |
| Vert. | 5720.0 | 44.9 | - | 32.1 | 6.8 | 32.0 | - | 51.9 | - | 110.8 | - | 58.9 | - | |
| Vert. | 5725.0 | 51.3 | - | 32.1 | 6.8 | 32.0 | - | 58.3 | - | 122.2 | - | 63.9 | - | |
| Vert. | 11490.0 | 42.8 | 34.2 | 39.9 | -1.3 | 33.7 | - | 47.7 | 39.1 | 73.9 | 53.9 | 26.2 | 14.8 | Floor noise |
| Vert. | 17235.0 | 43.2 | - | 43.0 | 0.5 | 33.0 | - | 53.7 | - | 68.2 | - | 14.5 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

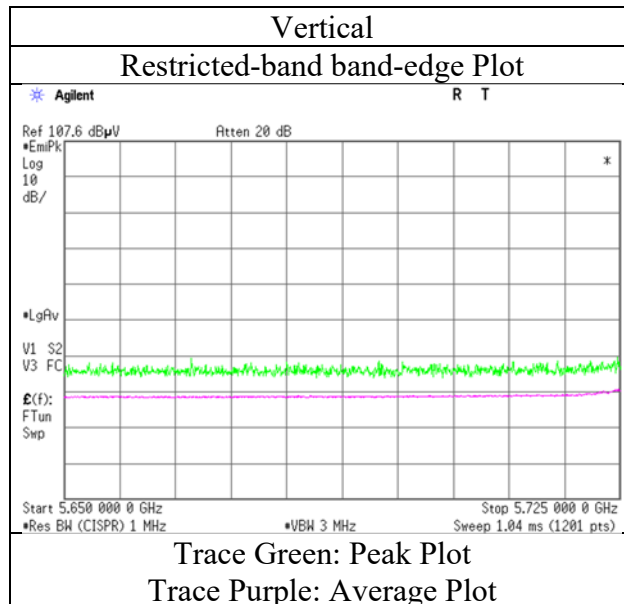
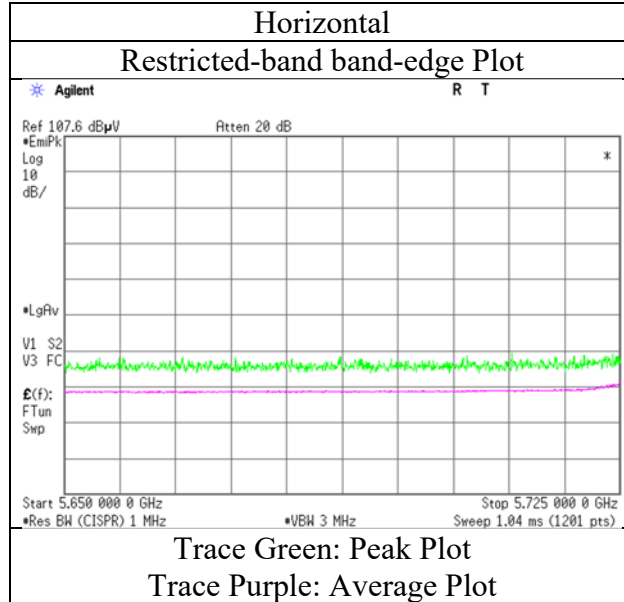
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$
 10 GHz - 40 GHz $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| Mode | Tx 11ac-20 5745 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5785 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 11570.0 | 42.6 | 34.2 | 39.5 | -1.2 | 33.7 | - | 47.2 | 38.8 | 73.9 | 53.9 | 26.7 | 15.1 | Floor noise |
| Hori. | 17355.0 | 43.5 | - | 44.0 | 0.5 | 33.0 | - | 55.0 | - | 68.2 | - | 13.2 | - | Floor noise |
| Vert. | 11570.0 | 42.7 | 34.3 | 39.5 | -1.2 | 33.7 | - | 47.3 | 39.0 | 73.9 | 53.9 | 26.6 | 15.0 | Floor noise |
| Vert. | 17355.0 | 43.1 | - | 44.0 | 0.5 | 33.0 | - | 54.7 | - | 68.2 | - | 13.5 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV)= Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

| | | |
|------------------|-----------------|--|
| Distance factor: | 1 GHz - 10 GHz | $20\log(4\text{ m} / 3.0\text{ m}) = 2.5\text{ dB}$ |
| | 10 GHz - 40 GHz | $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.5\text{ dB}$ |

Radiated Spurious Emission

Chain 0 + 1 (MIMO)

| | | | |
|------------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | |
| Semi Anechoic Chamber | No.3 | No.3 | No.2 |
| Date | November 6, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-20 5825 MHz | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 5850.0 | 49.0 | - | 32.5 | 6.9 | 32.0 | - | 56.4 | - | 122.2 | - | 65.8 | - | |
| Hori. | 5855.0 | 45.8 | - | 32.5 | 6.9 | 32.0 | - | 53.1 | - | 110.8 | - | 57.7 | - | |
| Hori. | 5875.0 | 42.6 | - | 32.5 | 6.9 | 32.0 | - | 50.0 | - | 105.2 | - | 55.2 | - | |
| Hori. | 5925.0 | 41.3 | - | 32.5 | 6.9 | 32.0 | - | 48.7 | - | 68.2 | - | 19.5 | - | |
| Hori. | 11650.0 | 42.4 | 34.1 | 39.2 | -1.1 | 33.7 | - | 46.8 | 38.5 | 73.9 | 53.9 | 27.1 | 15.4 | Floor noise |
| Hori. | 17475.0 | 43.3 | - | 44.7 | 0.6 | 33.0 | - | 55.6 | - | 68.2 | - | 12.6 | - | Floor noise |
| Vert. | 5850.0 | 48.8 | - | 32.5 | 6.9 | 32.0 | - | 56.1 | - | 122.2 | - | 66.1 | - | |
| Vert. | 5855.0 | 43.6 | - | 32.5 | 6.9 | 32.0 | - | 51.0 | - | 110.8 | - | 59.9 | - | |
| Vert. | 5875.0 | 41.7 | - | 32.5 | 6.9 | 32.0 | - | 49.1 | - | 105.2 | - | 56.1 | - | |
| Vert. | 5925.0 | 41.6 | - | 32.5 | 6.9 | 32.0 | - | 49.0 | - | 68.2 | - | 19.2 | - | |
| Vert. | 11650.0 | 42.6 | 34.2 | 39.2 | -1.1 | 33.7 | - | 46.9 | 38.5 | 73.9 | 53.9 | 27.0 | 15.4 | Floor noise |
| Vert. | 17475.0 | 43.0 | - | 44.7 | 0.6 | 33.0 | - | 55.3 | - | 68.2 | - | 12.9 | - | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

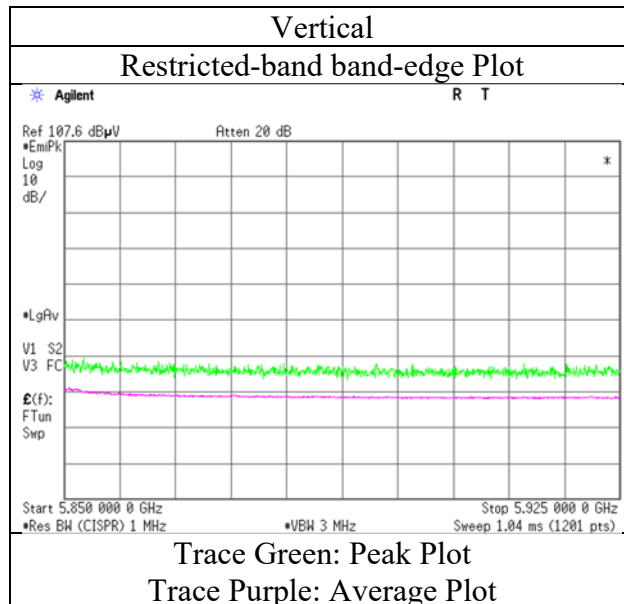
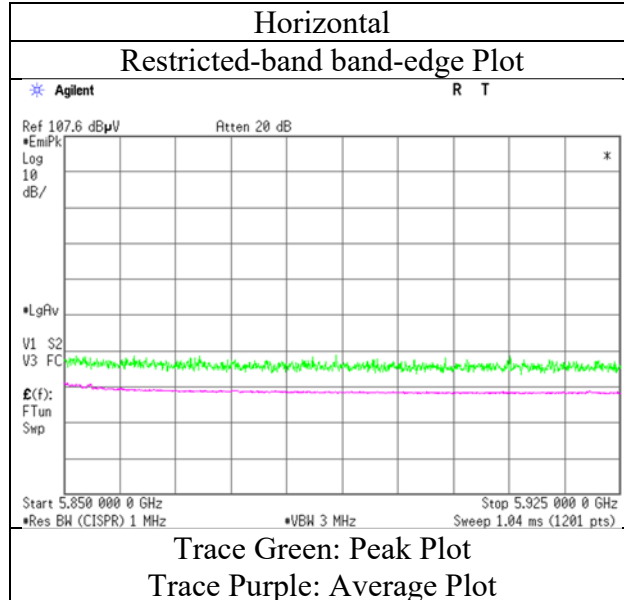
*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

Distance factor: 1 GHz - 10 GHz 20log(4 m / 3.0 m) = 2.5 dB
 10 GHz - 40 GHz 20log(1.0 m / 3.0 m) = -9.5 dB

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | |
|------------------------|---------------------|
| Test place | Ise EMC Lab. |
| Semi Anechoic Chamber | No.3 |
| Date | November 6, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH |
| Engineer | Tetsuro Yoshida |
| Mode | Tx 11ac-20 5825 MHz |



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission
Chain 0 + 1 (MIMO)

| | | | | |
|------------------------|---------------------|---------------------|----------------------|----------------------|
| Test place | Ise EMC Lab. | | | |
| Semi Anechoic Chamber | No.3 | No.2 | No.3 | No.2 |
| Date | November 6, 2022 | November 7, 2022 | November 8, 2022 | November 9, 2022 |
| Temperature / Humidity | 21 deg. C / 35 % RH | 23 deg. C / 46 % RH | 25 deg. C / 45 % RH | 24 deg. C / 38 % RH |
| Engineer | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida | Tetsuro Yoshida |
| | (1 GHz to 10 GHz) | (10 GHz to 18 GHz) | (18 GHz to 26.5 GHz) | (26.5 GHz to 40 GHz) |
| Mode | Tx 11ac-40 5190 MHz | | | |

| Polarity | Frequency | Reading (QP / PK) | Reading (AV) | Ant. Factor | Loss | Gain | Duty Factor | Result (QP / PK) | Result (AV) | Limit (QP / PK) | Limit (AV) | Margin (QP / PK) | Margin (AV) | Remark |
|-------------|-----------|-------------------|--------------|-------------|------|------|-------------|------------------|-------------|-----------------|------------|------------------|-------------|-------------|
| [Hori/Vert] | [MHz] | [dBuV] | [dBuV] | [dB/m] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] | |
| Hori. | 5150.0 | 54.0 | 37.5 | 32.2 | 7.5 | 31.9 | - | 61.8 | 45.3 | 73.9 | 53.9 | 12.1 | 8.6 | |
| Hori. | 10380.0 | 43.0 | - | 39.7 | -2.5 | 34.5 | - | 45.8 | - | 68.2 | - | 22.4 | - | Floor noise |
| Hori. | 15570.0 | 44.2 | 36.0 | 37.7 | -0.8 | 33.5 | - | 47.6 | 39.4 | 73.9 | 53.9 | 26.3 | 14.5 | Floor noise |
| Vert. | 5150.0 | 55.4 | 38.1 | 32.2 | 7.5 | 31.9 | - | 63.2 | 45.9 | 73.9 | 53.9 | 10.7 | 8.0 | |
| Vert. | 10380.0 | 43.0 | - | 39.7 | -2.5 | 34.5 | - | 45.7 | - | 68.2 | - | 22.5 | - | Floor noise |
| Vert. | 15570.0 | 44.3 | 36.1 | 37.7 | -0.8 | 33.5 | - | 47.7 | 39.5 | 73.9 | 53.9 | 26.2 | 14.4 | Floor noise |

Result (QP / PK) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier)

Result (AV) = Reading + Ant Factor + Loss (Cable+Attenuator+Filter+Distance factor(above 1 GHz)) - Gain(Amplifier) + Duty factor

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20 dB).

*QP detector was used up to 1GHz.

| | | |
|------------------|-----------------|--------------------------------|
| Distance factor: | 1 GHz - 10 GHz | 20log(4 m / 3.0 m) = 2.5 dB |
| | 10 GHz - 40 GHz | 20log(1.0 m / 3.0 m) = -9.5 dB |