

Fig.55

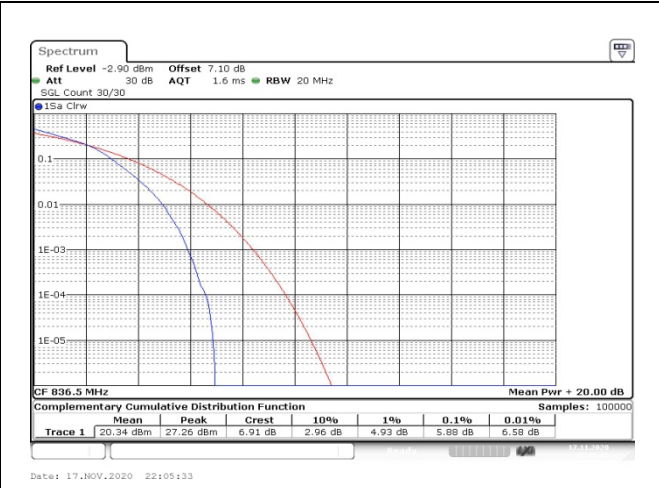


Fig.56

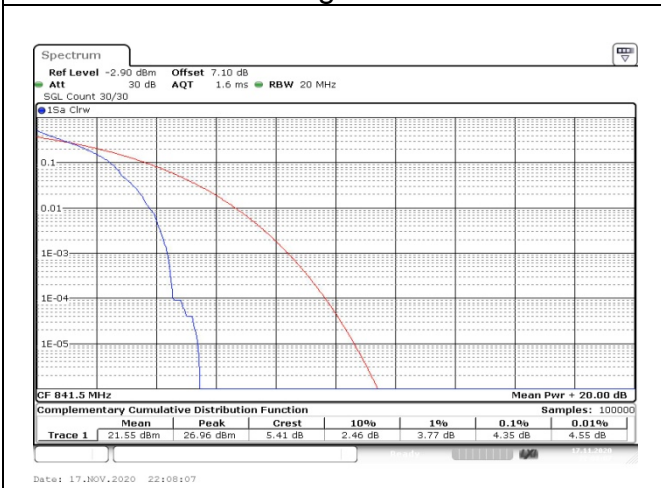


Fig.57

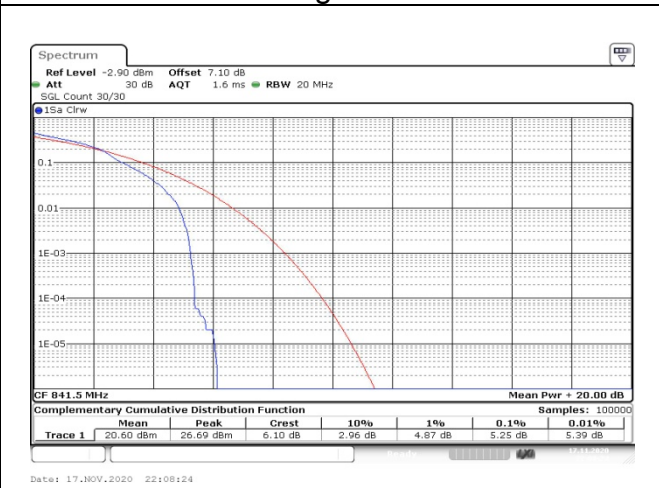


Fig.58

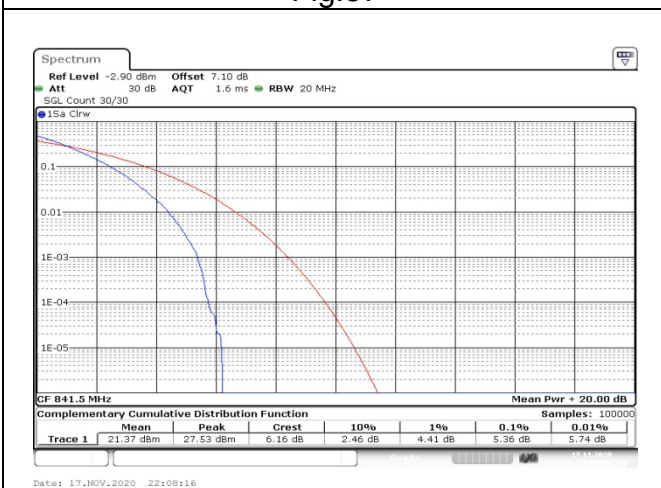


Fig.59

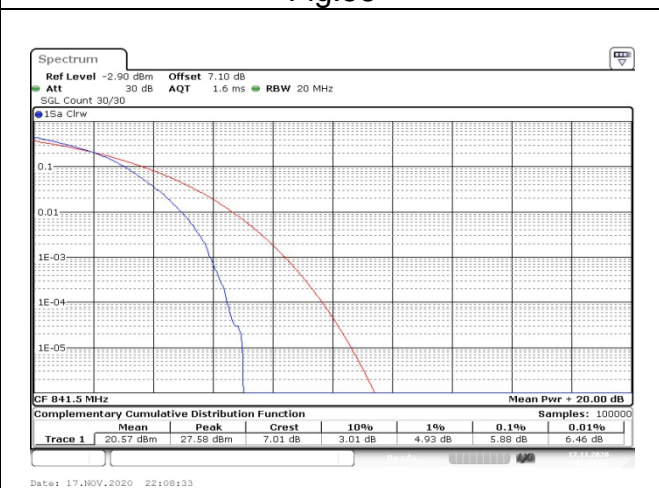


Fig.60

Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|---------|----|---------|-----------|-------------------------|
| | | | | | | QPSK |
| 26 | 831.5 | 26865 | 15 | 1 | 74 | Fig1-2 |
| | 836.5 | 26915 | | 1 | 74 | Fig3-4 |
| | 841.5 | 26965 | | 1 | 74 | Fig5-6 |

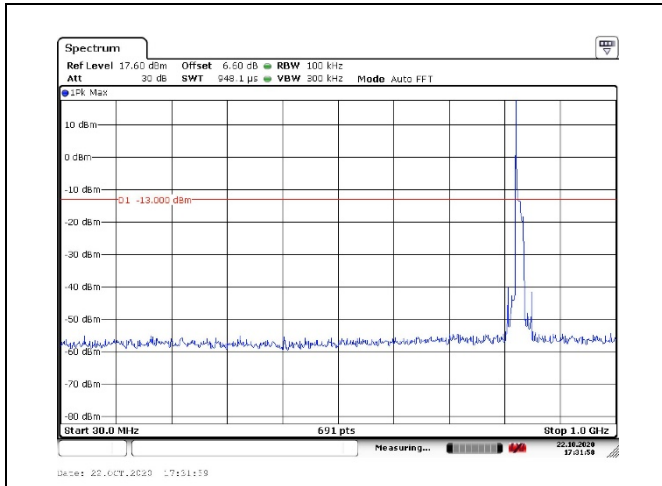


Fig.1

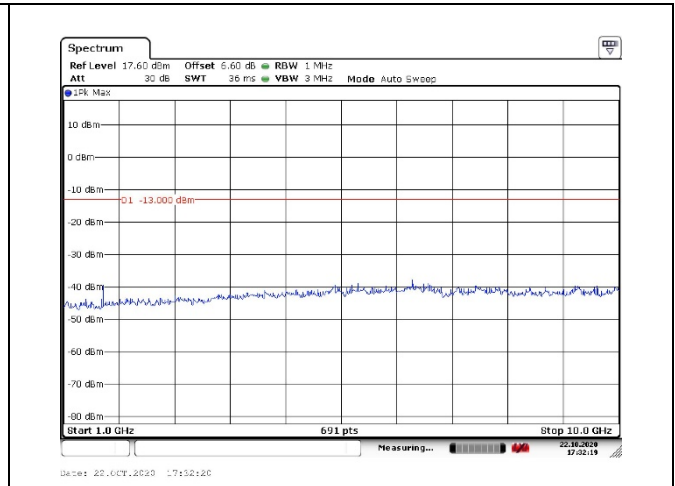


Fig.2

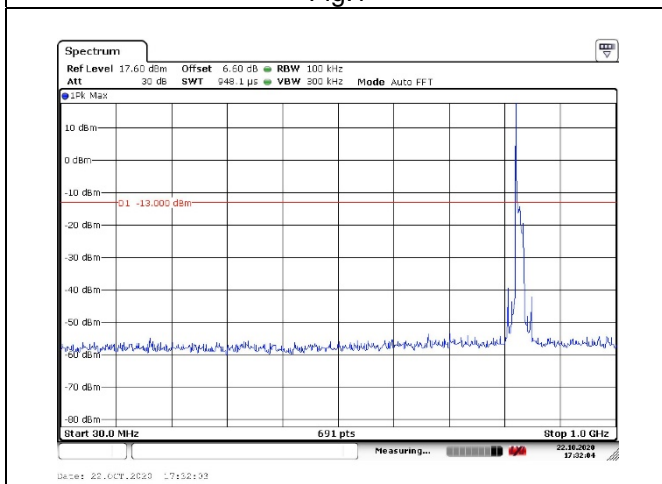


Fig.3

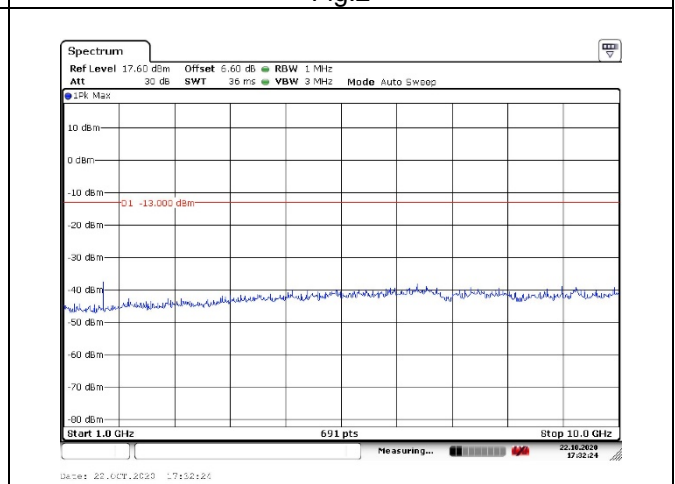


Fig.3

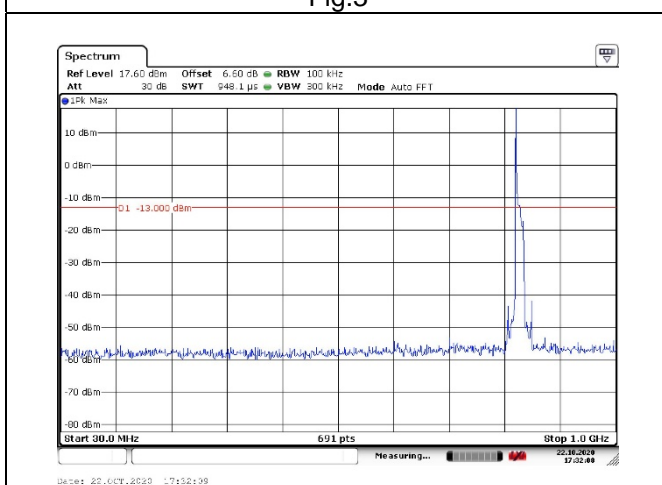


Fig.5

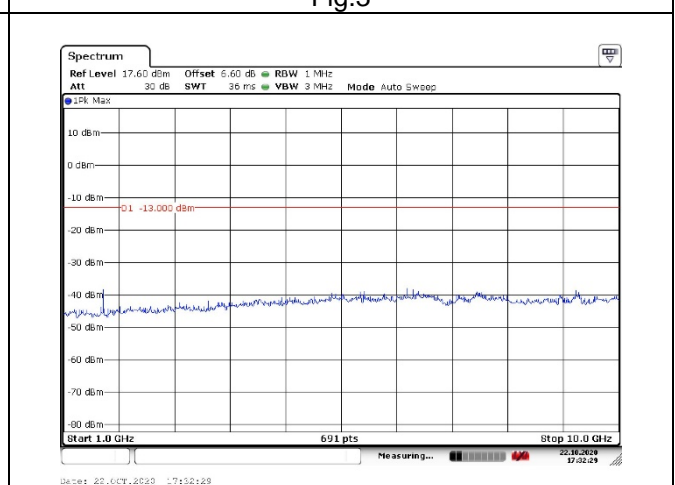


Fig.6

Band Edges Compliance

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Band Edges Plot |
|------|-------------------------|---------|-----|---------|-----------|-----------------|
| | | | | | | QPSK |
| 26 | 824.7 | 26797 | 1.4 | 1 | 0 | Fig.1 |
| | | | | 6 | 0 | Fig.2 |
| | 848.3 | 27033 | | 1 | 5 | Fig.3 |
| | | | | 6 | 0 | Fig.4 |
| | 825.5 | 26805 | 3 | 1 | 0 | Fig.5 |
| | | | | 15 | 0 | Fig.6 |
| | 847.5 | 27025 | | 1 | 14 | Fig.7 |
| | | | | 15 | 0 | Fig.8 |
| | 826.5 | 26815 | 5 | 1 | 0 | Fig.9 |
| | | | | 25 | 0 | Fig.10 |
| | 846.5 | 27015 | | 1 | 24 | Fig.11 |
| | | | | 25 | 0 | Fig.12 |
| | 829 | 26840 | 10 | 1 | 0 | Fig.13 |
| | | | | 50 | 0 | Fig.14 |
| | 844 | 26990 | | 1 | 49 | Fig.15 |
| | | | | 50 | 0 | Fig.16 |
| | 831.5 | 26865 | 15 | 1 | 0 | Fig.17 |
| | | | | 75 | 0 | Fig.18 |
| | 841.5 | 26965 | | 1 | 74 | Fig.19 |
| | | | | 75 | 0 | Fig.20 |

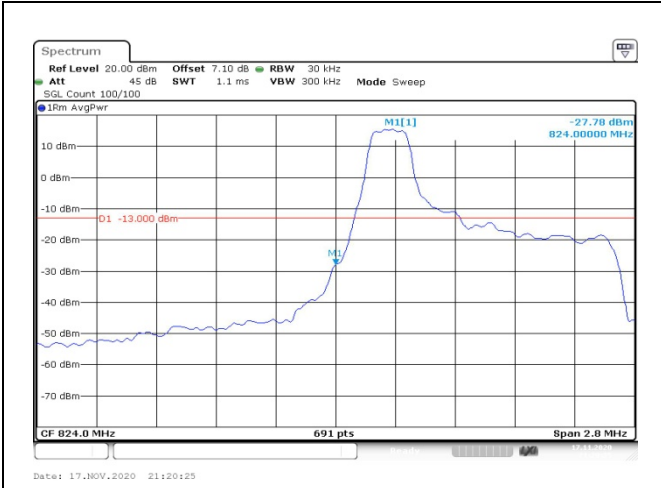


Fig.1

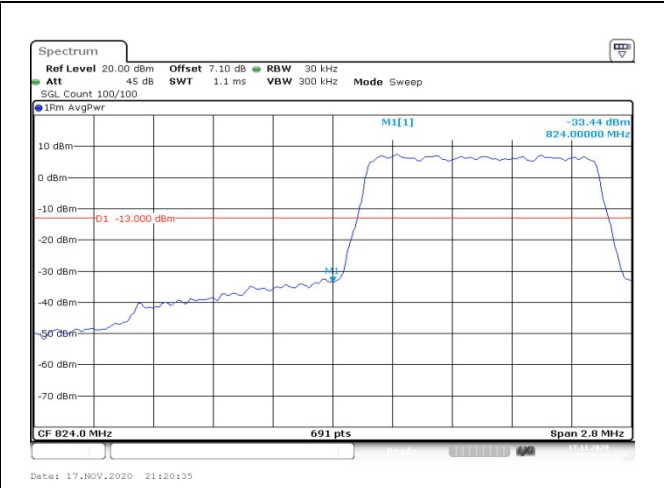


Fig.2

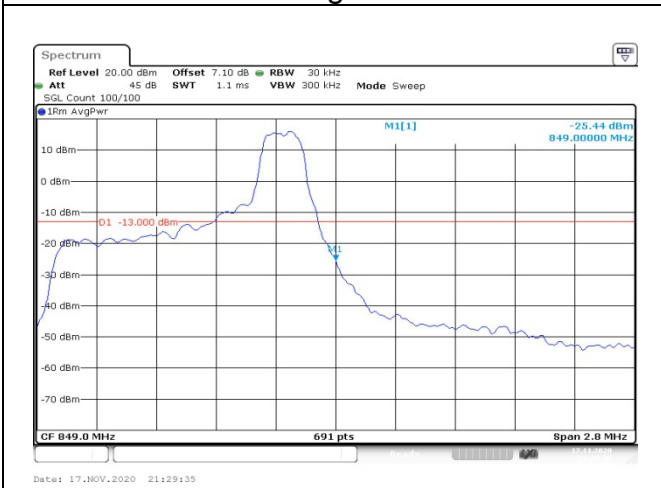


Fig.3

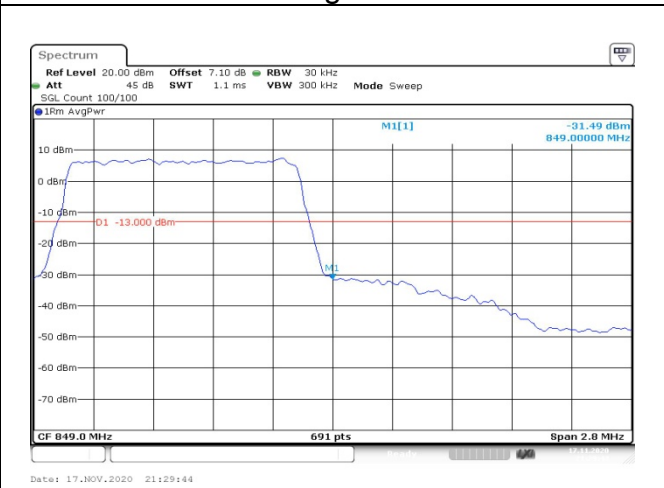


Fig.4

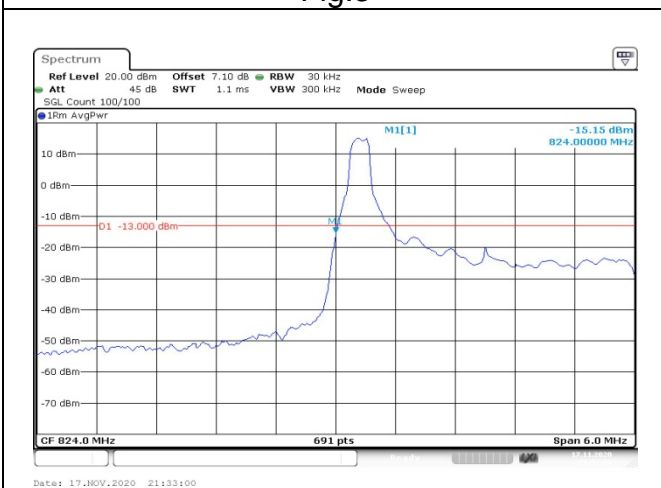


Fig.5

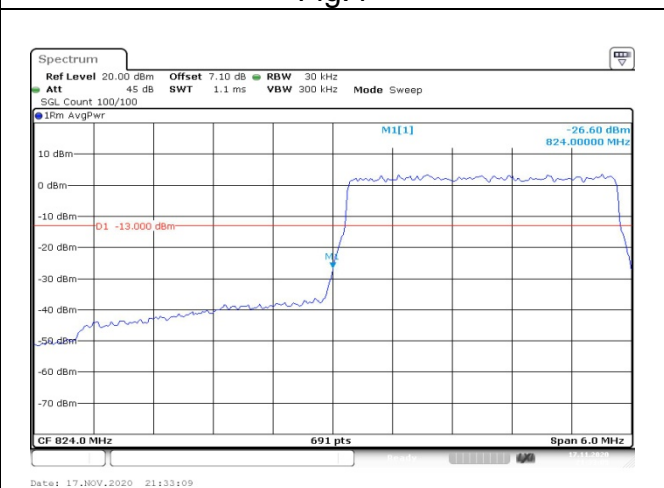


Fig.6

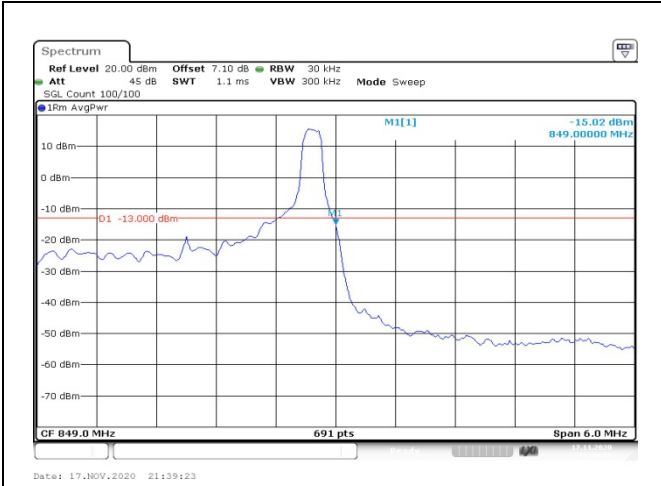


Fig.7

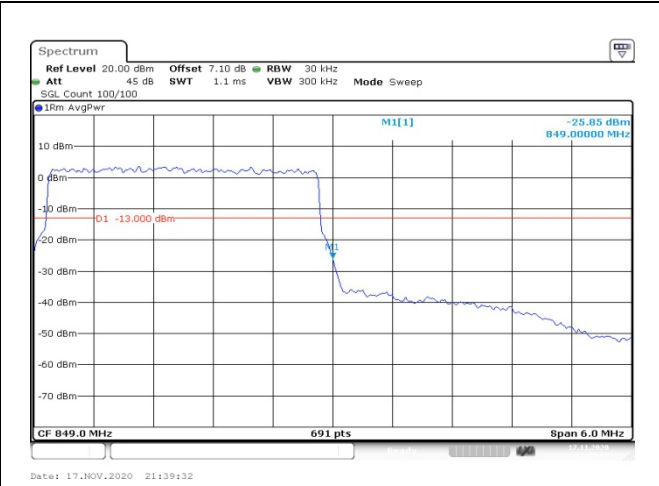


Fig.8

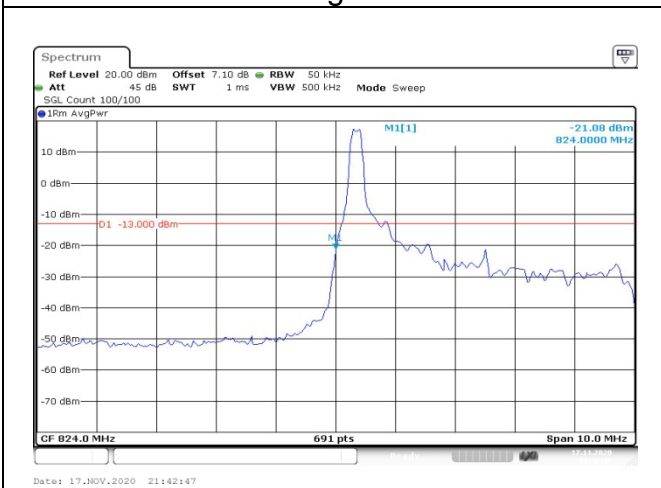


Fig.9

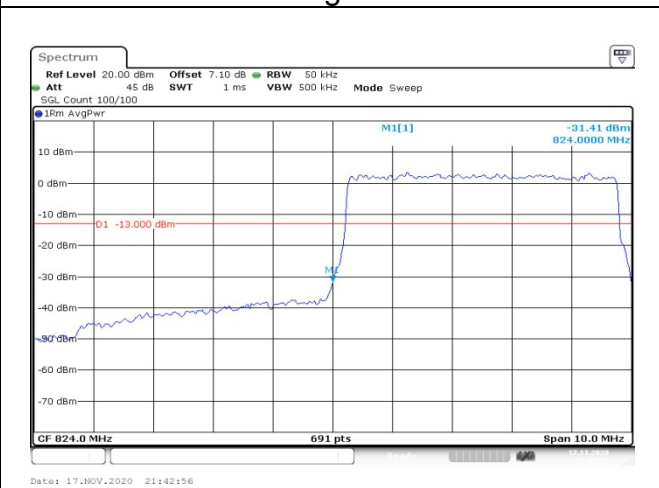


Fig.10

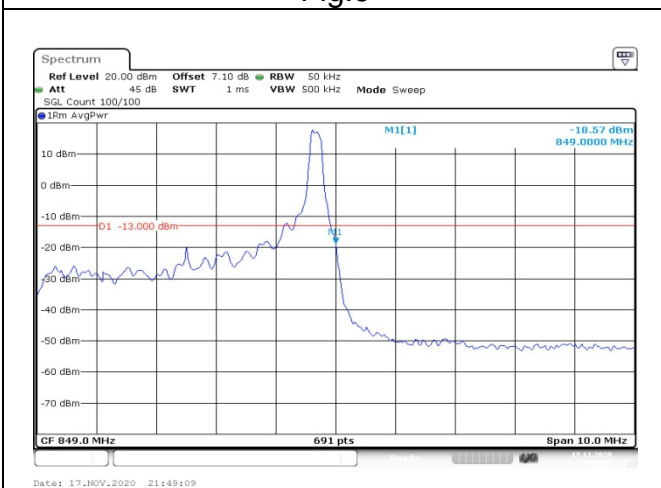


Fig.11

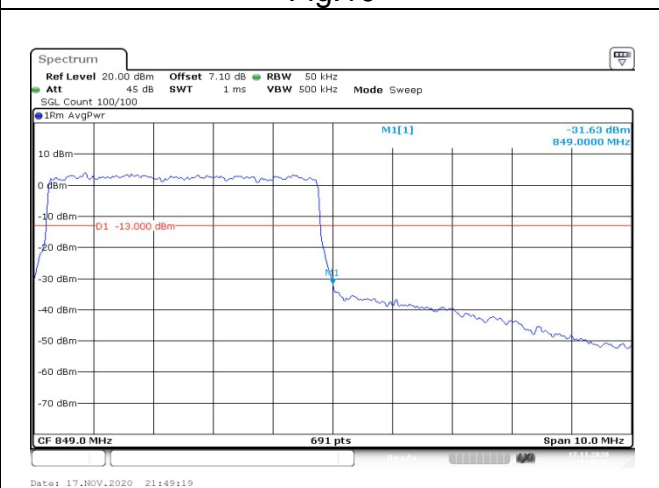


Fig.12

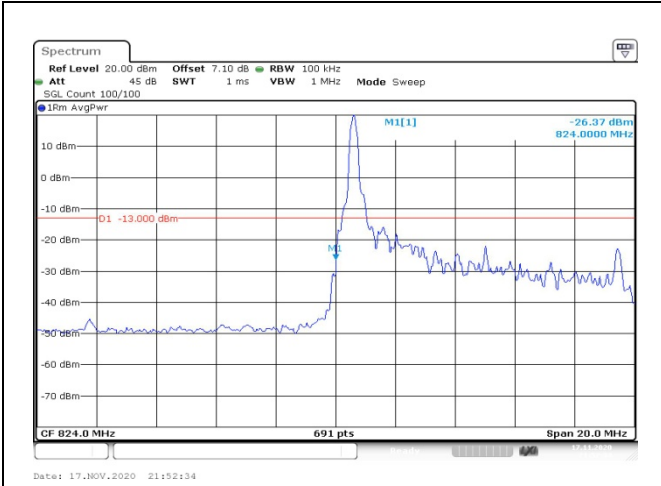


Fig.13

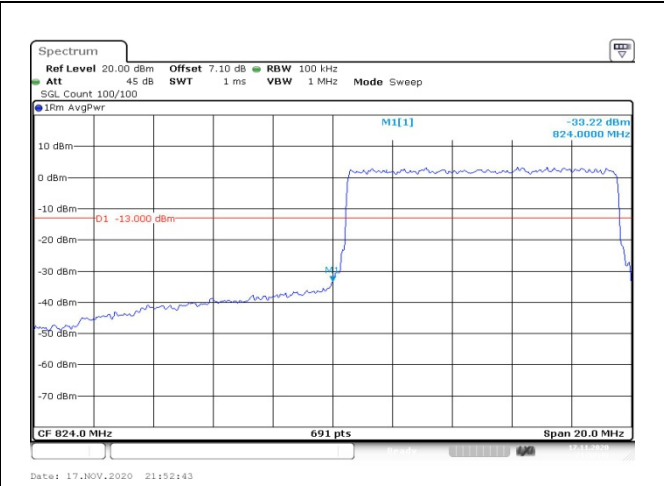


Fig.14

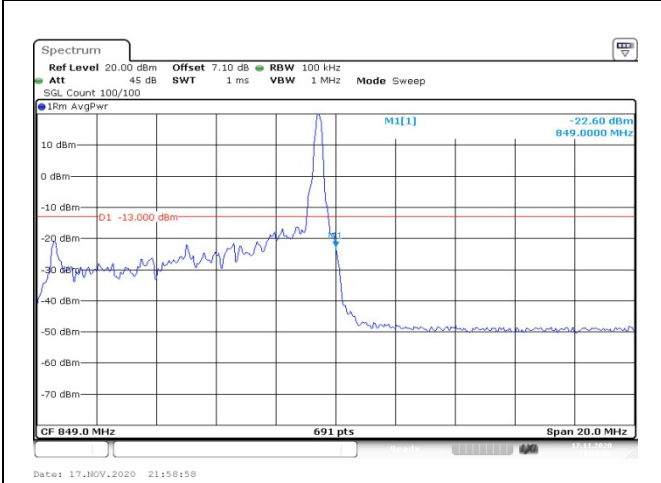


Fig.15

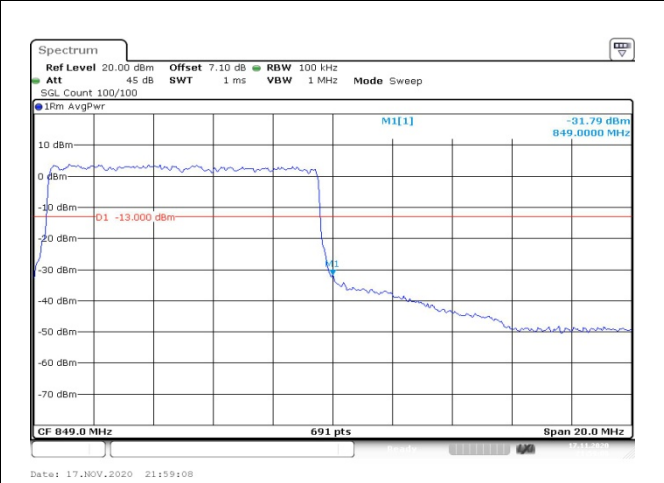


Fig.16

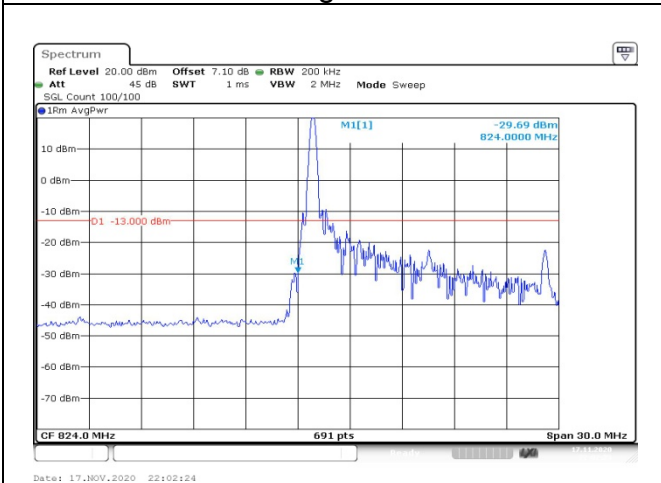


Fig.17

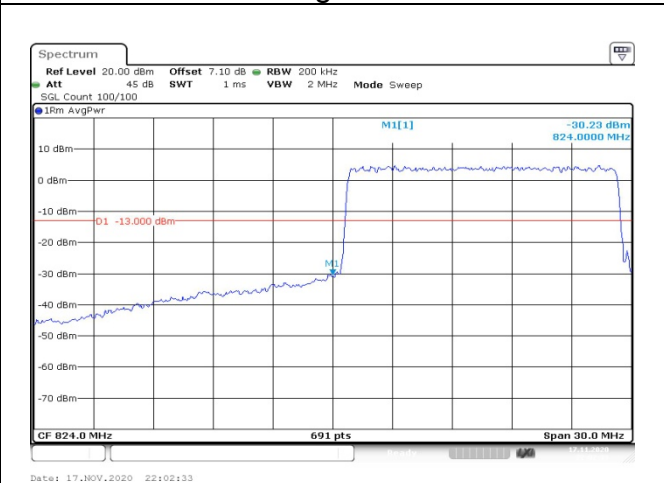
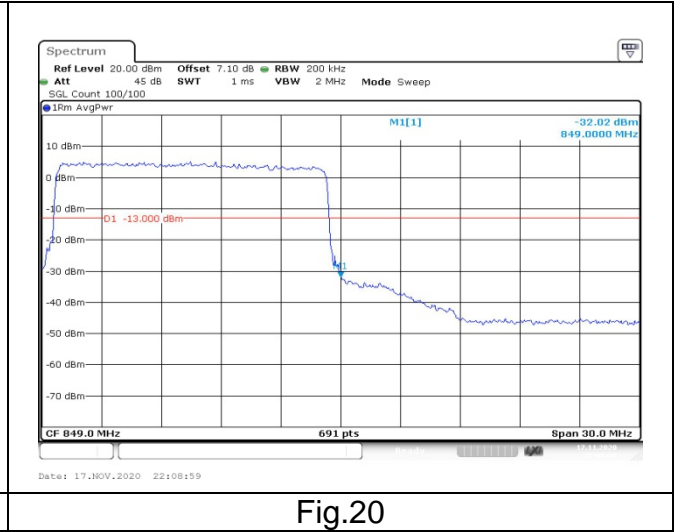
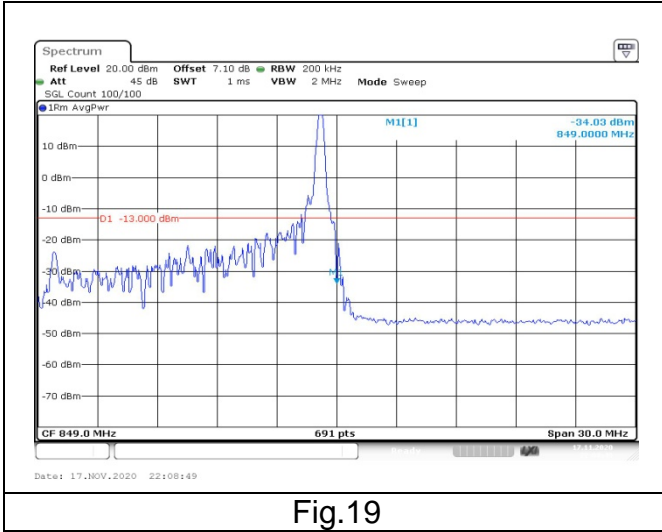


Fig.18



Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band26(824-849) Low Channel QPSK | | | | |
|-----------------|---------|--|-------|--------|--------|--------|
| | | 1.4M | 3M | 5M | 10M | 15M |
| 0 | NV | 0.013 | 0.006 | 0.014 | -0.002 | -0.019 |
| +10 | NV | 0.014 | 0.003 | -0.038 | -0.025 | -0.019 |
| +20 | NV | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| +30 | NV | 0.002 | 0.000 | 0.007 | -0.017 | -0.029 |
| +40 | NV | 0.002 | 0.000 | 0.011 | -0.018 | -0.026 |
| +50 | NV | 0.008 | 0.022 | 0.006 | -0.042 | -0.028 |
| +20 | LV | -0.002 | 0.014 | 0.006 | 0.012 | -0.031 |
| +20 | HV | -0.002 | 0.014 | 0.006 | 0.012 | -0.031 |

| Temperature(°C) | Voltage | Test Result (ppm) Band26(824-849) High Channel QPSK | | | | |
|-----------------|---------|---|--------|--------|--------|--------|
| | | 1.4M | 3M | 5M | 10M | 15M |
| 0 | NV | 0.018 | 0.003 | 0.040 | -0.014 | -0.001 |
| +10 | NV | 0.011 | 0.051 | 0.008 | -0.013 | -0.010 |
| +20 | NV | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| +30 | NV | 0.009 | 0.042 | 0.045 | -0.006 | -0.016 |
| +40 | NV | -0.010 | -0.003 | -0.056 | 0.029 | -0.011 |
| +50 | NV | 0.015 | 0.006 | 0.050 | 0.044 | -0.007 |
| +20 | LV | 0.009 | 0.001 | 0.006 | -0.002 | -0.011 |
| +20 | HV | 0.004 | 0.001 | 0.006 | -0.002 | -0.011 |

Effective Radiated Power and Effective Isotropic Radiated Power

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|-----|---------|-----------|-----------------------|-----------------|---------------|
| QPSK | 824.7 | 26797 | 1.4 | 1 | 0 | 22.73 | 19.33 | 0.086 |
| | | | | 1 | 3 | 22.76 | 19.36 | 0.086 |
| | | | | 1 | 5 | 22.85 | 19.45 | 0.088 |
| | | | | 3 | 0 | 22.80 | 19.40 | 0.087 |
| | | | | 3 | 1 | 22.76 | 19.36 | 0.086 |
| | | | | 3 | 3 | 22.74 | 19.34 | 0.086 |
| | 836.5 | 26915 | | 6 | 0 | 21.58 | 18.18 | 0.066 |
| | | | | 1 | 0 | 22.25 | 18.85 | 0.077 |
| | | | | 1 | 3 | 22.23 | 18.83 | 0.076 |
| | | | | 1 | 5 | 22.22 | 18.82 | 0.076 |
| | | | | 3 | 0 | 21.90 | 18.50 | 0.071 |
| | | | | 3 | 1 | 21.88 | 18.48 | 0.070 |
| | 848.3 | 27033 | | 3 | 3 | 21.88 | 18.48 | 0.070 |
| | | | | 6 | 0 | 20.86 | 17.46 | 0.056 |
| | | | | 1 | 0 | 22.49 | 19.09 | 0.081 |
| | | | | 1 | 3 | 22.50 | 19.10 | 0.081 |
| | | | | 1 | 5 | 22.60 | 19.20 | 0.083 |
| | | | | 3 | 0 | 22.58 | 19.18 | 0.083 |
| 16QAM | 824.7 | 26797 | 3 | 1 | 22.54 | 19.14 | 0.082 | |
| | | | 3 | 3 | 22.52 | 19.12 | 0.082 | |
| | | | 6 | 0 | 21.35 | 17.95 | 0.062 | |
| | | | 1 | 0 | 22.54 | 19.14 | 0.082 | |
| | | | 1 | 3 | 22.45 | 19.05 | 0.080 | |
| | | | 1 | 5 | 22.68 | 19.28 | 0.085 | |
| | 836.5 | 26915 | 3 | 0 | 21.70 | 18.30 | 0.068 | |
| | | | 3 | 1 | 21.76 | 18.36 | 0.069 | |
| | | | 3 | 3 | 21.78 | 18.38 | 0.069 | |
| | | | 6 | 0 | 20.76 | 17.36 | 0.054 | |
| | | | 1 | 0 | 22.24 | 18.84 | 0.077 | |
| | | | 1 | 3 | 22.12 | 18.72 | 0.074 | |
| | 848.3 | 27033 | 1 | 5 | 22.11 | 18.71 | 0.074 | |
| | | | 3 | 0 | 21.67 | 18.27 | 0.067 | |
| | | | 3 | 1 | 21.71 | 18.31 | 0.068 | |
| | | | 3 | 3 | 21.69 | 18.29 | 0.067 | |
| | | | 6 | 0 | 20.88 | 17.48 | 0.056 | |
| | | | 1 | 0 | 22.31 | 18.91 | 0.078 | |
| | | | 1 | 3 | 22.19 | 18.79 | 0.076 | |
| | | | 1 | 5 | 22.42 | 19.02 | 0.080 | |
| | | | 3 | 0 | 21.44 | 18.04 | 0.064 | |
| | | | 3 | 1 | 21.53 | 18.13 | 0.065 | |
| | | | 3 | 3 | 21.55 | 18.15 | 0.065 | |
| | | | 6 | 0 | 20.50 | 17.10 | 0.051 | |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|------------|-------------------------|------------|-------|---------|-----------|-----------------------|----------------|--------------|
| QPSK | 825.5 | 26805 | 3 | 1 | 0 | 22.65 | 19.55 | 0.090 |
| | | | | 1 | 8 | 22.72 | 19.62 | 0.092 |
| | | | | 1 | 14 | 22.69 | 19.59 | 0.091 |
| | | | | 8 | 0 | 21.79 | 18.69 | 0.074 |
| | | | | 8 | 4 | 21.76 | 18.66 | 0.073 |
| | | | | 8 | 7 | 21.75 | 18.65 | 0.073 |
| | 15 | 0 | | 21.78 | 18.68 | 0.074 | | |
| | 836.5 | 26915 | | 1 | 0 | 22.78 | 19.68 | 0.093 |
| | | | | 1 | 8 | 22.79 | 19.69 | 0.093 |
| | | | | 1 | 14 | 22.78 | 19.68 | 0.093 |
| | | | | 8 | 0 | 21.79 | 18.69 | 0.074 |
| | | | | 8 | 4 | 21.72 | 18.62 | 0.073 |
| | | | | 8 | 7 | 21.73 | 18.63 | 0.073 |
| | 15 | 0 | | 21.77 | 18.67 | 0.074 | | |
| | 847.5 | 27025 | | 1 | 0 | 22.76 | 19.66 | 0.092 |
| 1 | | | 8 | 22.73 | 19.63 | 0.092 | | |
| 1 | | | 14 | 22.75 | 19.65 | 0.092 | | |
| 8 | | | 0 | 21.66 | 18.56 | 0.072 | | |
| 8 | | | 4 | 21.52 | 18.42 | 0.070 | | |
| 8 | | | 7 | 21.52 | 18.42 | 0.070 | | |
| 15 | 0 | 21.63 | 18.53 | 0.071 | | | | |
| 16QAM | 825.5 | 26805 | 1 | 0 | 21.93 | 18.83 | 0.076 | |
| | | | 1 | 8 | 21.85 | 18.75 | 0.075 | |
| | | | 1 | 14 | 21.85 | 18.75 | 0.075 | |
| | | | 8 | 0 | 20.96 | 17.86 | 0.061 | |
| | | | 8 | 4 | 20.94 | 17.84 | 0.061 | |
| | | | 8 | 7 | 20.94 | 17.84 | 0.061 | |
| | 15 | 0 | 20.86 | 17.76 | 0.060 | | | |
| | 836.5 | 26915 | 1 | 0 | 21.83 | 18.73 | 0.075 | |
| | | | 1 | 8 | 21.97 | 18.87 | 0.077 | |
| | | | 1 | 14 | 21.83 | 18.73 | 0.075 | |
| | | | 8 | 0 | 20.72 | 17.62 | 0.058 | |
| | | | 8 | 4 | 20.75 | 17.65 | 0.058 | |
| | | | 8 | 7 | 20.77 | 17.67 | 0.058 | |
| | 15 | 0 | 20.74 | 17.64 | 0.058 | | | |
| | 847.5 | 27025 | 1 | 0 | 21.36 | 18.26 | 0.067 | |
| 1 | | | 8 | 21.38 | 18.28 | 0.067 | | |
| 1 | | | 14 | 21.47 | 18.37 | 0.069 | | |
| 8 | | | 0 | 20.82 | 17.72 | 0.059 | | |
| 8 | | | 4 | 20.73 | 17.63 | 0.058 | | |
| 8 | | | 7 | 20.67 | 17.57 | 0.057 | | |
| 15 | 0 | 20.65 | 17.55 | 0.057 | | | | |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|-------|---------|-----------|-----------------------|-----------------|---------------|
| QPSK | 826.5 | 26815 | 5 | 1 | 0 | 22.75 | 19.65 | 0.092 |
| | | | | 1 | 12 | 22.70 | 19.60 | 0.091 |
| | | | | 1 | 24 | 22.69 | 19.59 | 0.091 |
| | | | | 12 | 0 | 21.73 | 18.63 | 0.073 |
| | | | | 12 | 7 | 21.70 | 18.60 | 0.072 |
| | | | | 12 | 13 | 21.70 | 18.60 | 0.072 |
| | 25 | 0 | | 21.72 | 18.62 | 0.073 | | |
| | 836.5 | 26915 | | 1 | 0 | 22.73 | 19.63 | 0.092 |
| | | | | 1 | 12 | 22.72 | 19.62 | 0.092 |
| | | | | 1 | 24 | 22.71 | 19.61 | 0.091 |
| | | | | 12 | 0 | 21.83 | 18.73 | 0.075 |
| | | | | 12 | 7 | 21.70 | 18.60 | 0.072 |
| | | | | 12 | 13 | 21.70 | 18.60 | 0.072 |
| | 25 | 0 | | 21.78 | 18.68 | 0.074 | | |
| | 846.5 | 27015 | | 1 | 0 | 22.65 | 19.55 | 0.090 |
| 1 | | | 12 | 22.49 | 19.39 | 0.087 | | |
| 1 | | | 24 | 22.47 | 19.37 | 0.086 | | |
| 12 | | | 0 | 21.65 | 18.55 | 0.072 | | |
| 12 | | | 7 | 21.63 | 18.53 | 0.071 | | |
| 12 | | | 13 | 21.63 | 18.53 | 0.071 | | |
| 25 | 0 | 21.65 | 18.55 | 0.072 | | | | |
| 16QAM | 826.5 | 26815 | 1 | 0 | 21.09 | 17.99 | 0.063 | |
| | | | 1 | 12 | 20.85 | 17.75 | 0.060 | |
| | | | 1 | 24 | 20.85 | 17.75 | 0.060 | |
| | | | 12 | 0 | 20.75 | 17.65 | 0.058 | |
| | | | 12 | 7 | 20.71 | 17.61 | 0.058 | |
| | | | 12 | 13 | 20.71 | 17.61 | 0.058 | |
| | 25 | 0 | 20.83 | 17.73 | 0.059 | | | |
| | 836.5 | 26915 | 1 | 0 | 21.65 | 18.55 | 0.072 | |
| | | | 1 | 12 | 21.69 | 18.59 | 0.072 | |
| | | | 1 | 24 | 21.69 | 18.59 | 0.072 | |
| | | | 12 | 0 | 20.61 | 17.51 | 0.056 | |
| | | | 12 | 7 | 20.62 | 17.52 | 0.056 | |
| | | | 12 | 13 | 20.62 | 17.52 | 0.056 | |
| | 25 | 0 | 20.67 | 17.57 | 0.057 | | | |
| | 846.5 | 27015 | 1 | 0 | 21.59 | 18.49 | 0.071 | |
| 1 | | | 12 | 21.55 | 18.45 | 0.070 | | |
| 1 | | | 24 | 21.65 | 18.55 | 0.072 | | |
| 12 | | | 0 | 20.64 | 17.54 | 0.057 | | |
| 12 | | | 7 | 20.59 | 17.49 | 0.056 | | |
| 12 | | | 13 | 20.69 | 17.59 | 0.057 | | |
| 25 | 0 | 20.75 | 17.65 | 0.058 | | | | |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|-----------------------|----------------|--------------|
| QPSK | 829 | 26840 | 10 | 1 | 0 | 22.77 | 19.67 | 0.093 |
| | | | | 1 | 25 | 22.71 | 19.61 | 0.091 |
| | | | | 1 | 49 | 22.71 | 19.61 | 0.091 |
| | | | | 25 | 0 | 21.62 | 18.52 | 0.071 |
| | | | | 25 | 12 | 21.81 | 18.71 | 0.074 |
| | | | | 25 | 25 | 21.81 | 18.71 | 0.074 |
| | 836.5 | 26915 | | 50 | 0 | 21.72 | 18.62 | 0.073 |
| | | | | 1 | 0 | 22.81 | 19.71 | 0.094 |
| | | | | 1 | 25 | 22.77 | 19.67 | 0.093 |
| | | | | 1 | 49 | 22.77 | 19.67 | 0.093 |
| | | | | 25 | 0 | 21.63 | 18.53 | 0.071 |
| | | | | 25 | 12 | 21.60 | 18.50 | 0.071 |
| | 844 | 26990 | | 25 | 25 | 21.60 | 18.50 | 0.071 |
| | | | | 50 | 0 | 21.62 | 18.52 | 0.071 |
| | | | | 1 | 0 | 22.64 | 19.54 | 0.090 |
| | | | | 1 | 25 | 22.60 | 19.50 | 0.089 |
| | | | | 1 | 49 | 22.58 | 19.48 | 0.089 |
| | | | | 25 | 0 | 21.65 | 18.55 | 0.072 |
| 16QAM | 829 | 26840 | 25 | 12 | 21.57 | 18.47 | 0.070 | |
| | | | 25 | 25 | 21.55 | 18.45 | 0.070 | |
| | | | 50 | 0 | 21.61 | 18.51 | 0.071 | |
| | | | 1 | 0 | 21.92 | 18.82 | 0.076 | |
| | | | 1 | 25 | 21.76 | 18.66 | 0.073 | |
| | | | 1 | 49 | 21.89 | 18.79 | 0.076 | |
| | 836.5 | 26915 | 25 | 0 | 20.69 | 17.59 | 0.057 | |
| | | | 25 | 12 | 20.70 | 17.60 | 0.058 | |
| | | | 25 | 25 | 20.71 | 17.61 | 0.058 | |
| | | | 50 | 0 | 20.76 | 17.66 | 0.058 | |
| | | | 1 | 0 | 22.38 | 19.28 | 0.085 | |
| | | | 1 | 25 | 22.35 | 19.25 | 0.084 | |
| | 844 | 26990 | 1 | 49 | 22.33 | 19.23 | 0.084 | |
| | | | 25 | 0 | 20.66 | 17.56 | 0.057 | |
| | | | 25 | 12 | 20.62 | 17.52 | 0.056 | |
| | | | 25 | 25 | 20.63 | 17.53 | 0.057 | |
| | | | 50 | 0 | 20.66 | 17.56 | 0.057 | |
| | | | 1 | 0 | 21.46 | 18.36 | 0.069 | |
| | | | 1 | 25 | 21.34 | 18.24 | 0.067 | |
| | | | 1 | 49 | 21.33 | 18.23 | 0.067 | |
| | | | 25 | 0 | 20.84 | 17.74 | 0.059 | |
| | | | 25 | 12 | 20.83 | 17.73 | 0.059 | |
| | | | 25 | 25 | 20.66 | 17.56 | 0.057 | |
| | | | 50 | 0 | 20.79 | 17.69 | 0.059 | |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|------------|-------------------------|------------|-------|---------|-----------|-----------------------|----------------|--------------|
| QPSK | 831.5 | 26865 | 15 | 1 | 0 | 22.79 | 19.69 | 0.093 |
| | | | | 1 | 37 | 22.64 | 19.54 | 0.090 |
| | | | | 1 | 74 | 22.73 | 19.63 | 0.092 |
| | | | | 36 | 0 | 21.76 | 18.66 | 0.073 |
| | | | | 36 | 29 | 21.66 | 18.56 | 0.072 |
| | | | | 36 | 30 | 21.66 | 18.56 | 0.072 |
| | 75 | 0 | | 21.85 | 18.75 | 0.075 | | |
| | 1 | 0 | | 22.82 | 19.72 | 0.094 | | |
| | 1 | 37 | | 22.74 | 19.64 | 0.092 | | |
| | 1 | 74 | | 22.74 | 19.64 | 0.092 | | |
| | 36 | 0 | | 21.79 | 18.69 | 0.074 | | |
| | 36 | 29 | | 21.54 | 18.44 | 0.070 | | |
| | 36 | 30 | | 21.55 | 18.45 | 0.070 | | |
| | 75 | 0 | | 21.60 | 18.50 | 0.071 | | |
| | 1 | 0 | | 22.63 | 19.53 | 0.090 | | |
| | 1 | 37 | | 22.60 | 19.50 | 0.089 | | |
| | 1 | 74 | | 22.58 | 19.48 | 0.089 | | |
| | 36 | 0 | | 21.57 | 18.47 | 0.070 | | |
| 36 | 29 | 21.75 | 18.65 | 0.073 | | | | |
| 36 | 30 | 21.75 | 18.65 | 0.073 | | | | |
| 75 | 0 | 21.58 | 18.48 | 0.070 | | | | |
| 16QAM | 831.5 | 26865 | 1 | 0 | 21.98 | 18.88 | 0.077 | |
| | | | 1 | 37 | 22.01 | 18.91 | 0.078 | |
| | | | 1 | 74 | 22.05 | 18.95 | 0.079 | |
| | | | 36 | 0 | 20.92 | 17.82 | 0.061 | |
| | | | 36 | 29 | 20.67 | 17.57 | 0.057 | |
| | | | 36 | 30 | 20.67 | 17.57 | 0.057 | |
| | 75 | 0 | 20.74 | 17.64 | 0.058 | | | |
| | 1 | 0 | 22.31 | 19.21 | 0.083 | | | |
| | 1 | 37 | 22.21 | 19.11 | 0.081 | | | |
| | 1 | 74 | 22.21 | 19.11 | 0.081 | | | |
| | 36 | 0 | 20.83 | 17.73 | 0.059 | | | |
| | 36 | 29 | 20.72 | 17.62 | 0.058 | | | |
| | 36 | 30 | 20.72 | 17.62 | 0.058 | | | |
| | 75 | 0 | 20.77 | 17.67 | 0.058 | | | |
| | 1 | 0 | 21.88 | 18.78 | 0.076 | | | |
| | 1 | 37 | 21.79 | 18.69 | 0.074 | | | |
| | 1 | 74 | 22.05 | 18.95 | 0.079 | | | |
| | 36 | 0 | 20.70 | 17.60 | 0.058 | | | |
| 36 | 29 | 20.63 | 17.53 | 0.057 | | | | |
| 36 | 30 | 20.64 | 17.54 | 0.057 | | | | |
| 75 | 0 | 20.65 | 17.55 | 0.057 | | | | |