

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B41\_5MHz\_EIRP

| Band: 41 / Bandwidth: 5MHz / NTVN        |                 |               |        |                       |            |            |         |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                                     | 2498.5          | 1             | 0      | 22.70                 | 0.78       | 23.48      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 23.00                 | 0.78       | 23.78      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.79                 | 0.78       | 23.57      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 22.10                 | 0.78       | 22.88      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 22.04                 | 0.78       | 22.82      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.98                 | 0.78       | 22.76      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 22.10                 | 0.78       | 22.88      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 22.93                 | 0.78       | 23.71      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.96                 | 0.78       | 23.74      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.97                 | 0.78       | 23.75      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 22.10                 | 0.78       | 22.88      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 22.16                 | 0.78       | 22.94      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.11                 | 0.78       | 22.89      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 22.10                 | 0.78       | 22.88      | <=33.01 | Pass    |
|                                          | 2687.5          | 1             | 0      | 22.95                 | 0.78       | 23.73      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 23.01                 | 0.78       | 23.79      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.76                 | 0.78       | 23.54      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 22.17                 | 0.78       | 22.95      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 22.00                 | 0.78       | 22.78      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 21.97                 | 0.78       | 22.75      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 22.07                 | 0.78       | 22.85      | <=33.01 | Pass    |
| 16QAM                                    | 2498.5          | 1             | 0      | 22.18                 | 0.78       | 22.96      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.15                 | 0.78       | 22.93      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.06                 | 0.78       | 22.84      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 20.90                 | 0.78       | 21.68      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 20.94                 | 0.78       | 21.72      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.83                 | 0.78       | 21.61      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 20.97                 | 0.78       | 21.75      | <=33.01 | Pass    |
|                                          | 2593            | 1             | 0      | 22.42                 | 0.78       | 23.20      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.51                 | 0.78       | 23.29      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 22.43                 | 0.78       | 23.21      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 21.00                 | 0.78       | 21.78      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 21.00                 | 0.78       | 21.78      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.98                 | 0.78       | 21.76      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.14                 | 0.78       | 21.92      | <=33.01 | Pass    |
|                                          | 2687.5          | 1             | 0      | 22.06                 | 0.78       | 22.84      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 22.22                 | 0.78       | 23.00      | <=33.01 | Pass    |
|                                          |                 |               | 24     | 21.99                 | 0.78       | 22.77      | <=33.01 | Pass    |
|                                          |                 | 12            | 0      | 20.98                 | 0.78       | 21.76      | <=33.01 | Pass    |
|                                          |                 |               | 6      | 20.89                 | 0.78       | 21.67      | <=33.01 | Pass    |
|                                          |                 |               | 13     | 20.76                 | 0.78       | 21.54      | <=33.01 | Pass    |
|                                          |                 | 25            | 0      | 21.01                 | 0.78       | 21.79      | <=33.01 | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |         |         |

### 1.1.2 B41\_10MHz\_EIRP

|                                    |
|------------------------------------|
| Band: 41 / Bandwidth: 10MHz / NTNV |
|------------------------------------|

| Modulation                               | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | EIRP (dBm) |         | Verdict |      |
|------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|------------|---------|---------|------|
|                                          |                    | Size          | Offset |                          |               | Result     | Limit   |         |      |
| QPSK                                     | 2501               | 1             | 0      | 23.19                    | 0.78          | 23.97      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 23.17                    | 0.78          | 23.95      | <=33.01 | Pass    |      |
|                                          |                    |               | 49     | 22.93                    | 0.78          | 23.71      | <=33.01 | Pass    |      |
|                                          |                    | 25            | 0      | 22.02                    | 0.78          | 22.80      | <=33.01 | Pass    |      |
|                                          |                    |               | 13     | 22.06                    | 0.78          | 22.84      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 22.00                    | 0.78          | 22.78      | <=33.01 | Pass    |      |
|                                          |                    | 50            | 0      | 22.11                    | 0.78          | 22.89      | <=33.01 | Pass    |      |
|                                          |                    | 2593          | 1      | 0                        | 23.11         | 0.78       | 23.89   | <=33.01 | Pass |
|                                          |                    |               |        | 25                       | 23.19         | 0.78       | 23.97   | <=33.01 | Pass |
|                                          | 49                 |               |        | 23.07                    | 0.78          | 23.85      | <=33.01 | Pass    |      |
|                                          | 25                 |               | 0      | 22.15                    | 0.78          | 22.93      | <=33.01 | Pass    |      |
|                                          |                    |               | 13     | 22.13                    | 0.78          | 22.91      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 22.11                    | 0.78          | 22.89      | <=33.01 | Pass    |      |
|                                          | 50                 | 0             | 22.06  | 0.78                     | 22.84         | <=33.01    | Pass    |         |      |
|                                          | 2685               | 1             | 0      | 23.09                    | 0.78          | 23.87      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 23.05                    | 0.78          | 23.83      | <=33.01 | Pass    |      |
|                                          |                    |               | 49     | 22.79                    | 0.78          | 23.57      | <=33.01 | Pass    |      |
|                                          |                    | 25            | 0      | 22.24                    | 0.78          | 23.02      | <=33.01 | Pass    |      |
|                                          |                    |               | 13     | 22.18                    | 0.78          | 22.96      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 22.00                    | 0.78          | 22.78      | <=33.01 | Pass    |      |
|                                          |                    | 50            | 0      | 22.20                    | 0.78          | 22.98      | <=33.01 | Pass    |      |
| 16QAM                                    |                    | 2501          | 1      | 0                        | 21.89         | 0.78       | 22.67   | <=33.01 | Pass |
|                                          |                    |               |        | 25                       | 21.99         | 0.78       | 22.77   | <=33.01 | Pass |
|                                          | 49                 |               |        | 21.78                    | 0.78          | 22.56      | <=33.01 | Pass    |      |
|                                          | 25                 |               | 0      | 20.88                    | 0.78          | 21.66      | <=33.01 | Pass    |      |
|                                          |                    |               | 13     | 20.81                    | 0.78          | 21.59      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 20.87                    | 0.78          | 21.65      | <=33.01 | Pass    |      |
|                                          | 50                 |               | 0      | 21.01                    | 0.78          | 21.79      | <=33.01 | Pass    |      |
|                                          | 2593               | 1             | 0      | 22.55                    | 0.78          | 23.33      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 22.29                    | 0.78          | 23.07      | <=33.01 | Pass    |      |
|                                          |                    |               | 49     | 22.65                    | 0.78          | 23.43      | <=33.01 | Pass    |      |
|                                          |                    | 25            | 0      | 21.06                    | 0.78          | 21.84      | <=33.01 | Pass    |      |
|                                          |                    |               | 13     | 21.00                    | 0.78          | 21.78      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 21.05                    | 0.78          | 21.83      | <=33.01 | Pass    |      |
|                                          | 50                 | 0             | 20.91  | 0.78                     | 21.69         | <=33.01    | Pass    |         |      |
|                                          | 2685               | 1             | 0      | 22.62                    | 0.78          | 23.40      | <=33.01 | Pass    |      |
|                                          |                    |               | 25     | 22.53                    | 0.78          | 23.31      | <=33.01 | Pass    |      |
|                                          |                    |               | 49     | 21.72                    | 0.78          | 22.50      | <=33.01 | Pass    |      |
|                                          |                    | 25            | 0      | 21.13                    | 0.78          | 21.91      | <=33.01 | Pass    |      |
| 13                                       |                    |               | 21.17  | 0.78                     | 21.95         | <=33.01    | Pass    |         |      |
| 25                                       |                    |               | 21.03  | 0.78                     | 21.81         | <=33.01    | Pass    |         |      |
| 50                                       |                    | 0             | 21.12  | 0.78                     | 21.90         | <=33.01    | Pass    |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |                    |               |        |                          |               |            |         |         |      |

### 1.1.3 B41\_15MHz\_EIRP

| Band: 41 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2503.5          | 1             | 0      | 23.01                 | 0.78       | 23.79      | <=33.01 | Pass    |
|                                    |                 |               | 38     | 22.69                 | 0.78       | 23.47      | <=33.01 | Pass    |
|                                    |                 |               | 74     | 22.74                 | 0.78       | 23.52      | <=33.01 | Pass    |
|                                    |                 | 36            | 0      | 21.89                 | 0.78       | 22.67      | <=33.01 | Pass    |
|                                    |                 |               | 18     | 21.90                 | 0.78       | 22.68      | <=33.01 | Pass    |
|                                    |                 |               | 39     | 21.86                 | 0.78       | 22.64      | <=33.01 | Pass    |

|       |        |    |    |       |      |       |         |      |
|-------|--------|----|----|-------|------|-------|---------|------|
| 16QAM | 2593   | 75 | 0  | 21.82 | 0.78 | 22.60 | <=33.01 | Pass |
|       |        | 1  | 0  | 23.09 | 0.78 | 23.87 | <=33.01 | Pass |
|       |        |    | 38 | 23.14 | 0.78 | 23.92 | <=33.01 | Pass |
|       |        |    | 74 | 23.14 | 0.78 | 23.92 | <=33.01 | Pass |
|       |        | 36 | 0  | 22.13 | 0.78 | 22.91 | <=33.01 | Pass |
|       |        |    | 18 | 22.07 | 0.78 | 22.85 | <=33.01 | Pass |
|       |        |    | 39 | 22.10 | 0.78 | 22.88 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.03 | 0.78 | 22.81 | <=33.01 | Pass |
|       | 2682.5 | 1  | 0  | 22.72 | 0.78 | 23.50 | <=33.01 | Pass |
|       |        |    | 38 | 22.90 | 0.78 | 23.68 | <=33.01 | Pass |
|       |        |    | 74 | 22.58 | 0.78 | 23.36 | <=33.01 | Pass |
|       |        | 36 | 0  | 22.11 | 0.78 | 22.89 | <=33.01 | Pass |
|       |        |    | 18 | 22.16 | 0.78 | 22.94 | <=33.01 | Pass |
|       |        |    | 39 | 22.11 | 0.78 | 22.89 | <=33.01 | Pass |
|       |        | 75 | 0  | 22.03 | 0.78 | 22.81 | <=33.01 | Pass |
|       | 2503.5 | 1  | 0  | 21.52 | 0.78 | 22.30 | <=33.01 | Pass |
|       |        |    | 38 | 22.07 | 0.78 | 22.85 | <=33.01 | Pass |
|       |        |    | 74 | 21.21 | 0.78 | 21.99 | <=33.01 | Pass |
|       |        | 36 | 0  | 20.61 | 0.78 | 21.39 | <=33.01 | Pass |
|       |        |    | 18 | 20.67 | 0.78 | 21.45 | <=33.01 | Pass |
|       |        |    | 39 | 20.64 | 0.78 | 21.42 | <=33.01 | Pass |
|       |        | 75 | 0  | 20.66 | 0.78 | 21.44 | <=33.01 | Pass |
|       | 2593   | 1  | 0  | 22.58 | 0.78 | 23.36 | <=33.01 | Pass |
|       |        |    | 38 | 22.53 | 0.78 | 23.31 | <=33.01 | Pass |
|       |        |    | 74 | 22.55 | 0.78 | 23.33 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.07 | 0.78 | 21.85 | <=33.01 | Pass |
|       |        |    | 18 | 21.12 | 0.78 | 21.90 | <=33.01 | Pass |
|       |        |    | 39 | 21.15 | 0.78 | 21.93 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.08 | 0.78 | 21.86 | <=33.01 | Pass |
|       | 2682.5 | 1  | 0  | 21.91 | 0.78 | 22.69 | <=33.01 | Pass |
|       |        |    | 38 | 21.98 | 0.78 | 22.76 | <=33.01 | Pass |
|       |        |    | 74 | 21.83 | 0.78 | 22.61 | <=33.01 | Pass |
|       |        | 36 | 0  | 21.18 | 0.78 | 21.96 | <=33.01 | Pass |
|       |        |    | 18 | 21.20 | 0.78 | 21.98 | <=33.01 | Pass |
|       |        |    | 39 | 21.15 | 0.78 | 21.93 | <=33.01 | Pass |
|       |        | 75 | 0  | 21.05 | 0.78 | 21.83 | <=33.01 | Pass |

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B41\_20MHz\_EIRP

| Band: 41 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |         |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit   |         |
| QPSK                               | 2506            | 1             | 0      | 22.81                 | 0.78       | 23.59      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.98                 | 0.78       | 23.76      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 22.88                 | 0.78       | 23.66      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 21.80                 | 0.78       | 22.58      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 21.77                 | 0.78       | 22.55      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 21.81                 | 0.78       | 22.59      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 21.80                 | 0.78       | 22.58      | <=33.01 | Pass    |
|                                    | 2593            | 1             | 0      | 23.16                 | 0.78       | 23.94      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 23.22                 | 0.78       | 24.00      | <=33.01 | Pass    |
|                                    |                 |               | 99     | 23.00                 | 0.78       | 23.78      | <=33.01 | Pass    |
|                                    |                 | 50            | 0      | 22.07                 | 0.78       | 22.85      | <=33.01 | Pass    |
|                                    |                 |               | 25     | 22.16                 | 0.78       | 22.94      | <=33.01 | Pass    |
|                                    |                 |               | 50     | 22.20                 | 0.78       | 22.98      | <=33.01 | Pass    |
|                                    |                 | 100           | 0      | 22.13                 | 0.78       | 22.91      | <=33.01 | Pass    |

|                                          |       |       |       |       |       |         |         |         |         |      |
|------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|                                          | 2680  | 1     | 0     | 23.02 | 0.78  | 23.80   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 23.30 | 0.78  | 24.08   | <=33.01 | Pass    |         |      |
|                                          |       |       | 99    | 22.76 | 0.78  | 23.54   | <=33.01 | Pass    |         |      |
|                                          |       | 50    | 0     | 22.09 | 0.78  | 22.87   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 22.06 | 0.78  | 22.84   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 22.10 | 0.78  | 22.88   | <=33.01 | Pass    |         |      |
|                                          |       | 100   | 0     | 22.04 | 0.78  | 22.82   | <=33.01 | Pass    |         |      |
|                                          |       | 16QAM | 2506  | 1     | 0     | 22.25   | 0.78    | 23.03   | <=33.01 | Pass |
|                                          |       |       |       |       | 50    | 22.45   | 0.78    | 23.23   | <=33.01 | Pass |
| 99                                       | 22.57 |       |       |       | 0.78  | 23.35   | <=33.01 | Pass    |         |      |
| 50                                       | 0     |       |       | 20.95 | 0.78  | 21.73   | <=33.01 | Pass    |         |      |
|                                          | 25    |       |       | 20.83 | 0.78  | 21.61   | <=33.01 | Pass    |         |      |
|                                          | 50    |       |       | 20.81 | 0.78  | 21.59   | <=33.01 | Pass    |         |      |
| 100                                      | 0     |       |       | 20.80 | 0.78  | 21.58   | <=33.01 | Pass    |         |      |
| 2593                                     | 1     |       |       | 0     | 21.75 | 0.78    | 22.53   | <=33.01 | Pass    |      |
|                                          |       |       |       | 50    | 21.81 | 0.78    | 22.59   | <=33.01 | Pass    |      |
|                                          |       |       | 99    | 21.69 | 0.78  | 22.47   | <=33.01 | Pass    |         |      |
|                                          | 50    |       | 0     | 21.04 | 0.78  | 21.82   | <=33.01 | Pass    |         |      |
|                                          |       |       | 25    | 21.02 | 0.78  | 21.80   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 20.98 | 0.78  | 21.76   | <=33.01 | Pass    |         |      |
| 100                                      | 0     |       | 21.01 | 0.78  | 21.79 | <=33.01 | Pass    |         |         |      |
| 2680                                     | 1     |       | 0     | 22.30 | 0.78  | 23.08   | <=33.01 | Pass    |         |      |
|                                          |       |       | 50    | 22.33 | 0.78  | 23.11   | <=33.01 | Pass    |         |      |
|                                          |       |       | 99    | 22.47 | 0.78  | 23.25   | <=33.01 | Pass    |         |      |
|                                          | 50    |       | 0     | 21.04 | 0.78  | 21.82   | <=33.01 | Pass    |         |      |
|                                          |       | 25    | 20.96 | 0.78  | 21.74 | <=33.01 | Pass    |         |         |      |
|                                          |       | 50    | 20.86 | 0.78  | 21.64 | <=33.01 | Pass    |         |         |      |
|                                          | 100   | 0     | 20.86 | 0.78  | 21.64 | <=33.01 | Pass    |         |         |      |
| Note1: EIRP=Conducted Power+Antenna Gain |       |       |       |       |       |         |         |         |         |      |