

# SPECIFICATION

HUI ZHOU DXDRAGON ING

## Orbic TAB10R 4G Antenna

### Product approval sheet

|          |                 |        |                                                                |
|----------|-----------------|--------|----------------------------------------------------------------|
| Customer | Orbic           | Band   | 3G:W2/4/5<br>4G:B2/4/5/12/13/14/17/25/26/30/41<br>(Hpue)/66/71 |
| Project  | Orbic TAB10R 4G | Colour | Black                                                          |
| FCC ID   | 2ABGH-RC10RLT   |        |                                                                |

Customer check:

Reach requirement of customer: ☒OK ☐NG

Contents

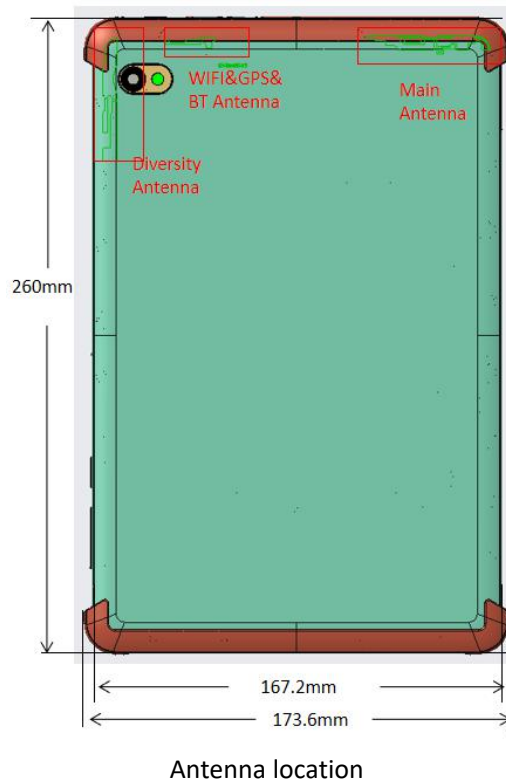
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# 1 General description

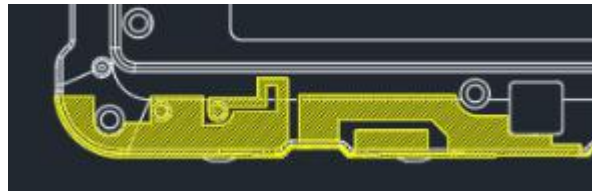
## 1.1 information of DUT

|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
| Set Type         | Tablet                                                                                               |
| Dimension        | 260*173.6*9.6mm                                                                                      |
| Band             | UMTS:W1/2/4/5/8<br>LTE :B1/2/4/5/12/13/14/17/25/26/28/30/41(Hpue)/66/71<br>WIFI 2.4G&5G<br>BT<br>GPS |
| Antenna Material | LDS                                                                                                  |

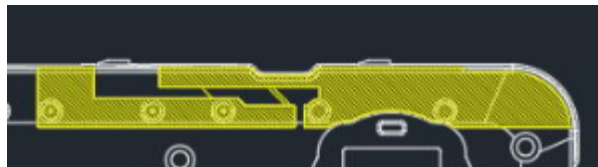
## 1.2 Photo of DUT



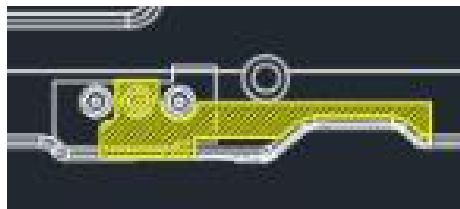
## 1.3 Antenna appearing diagram



Main antenna



Diversity antenna

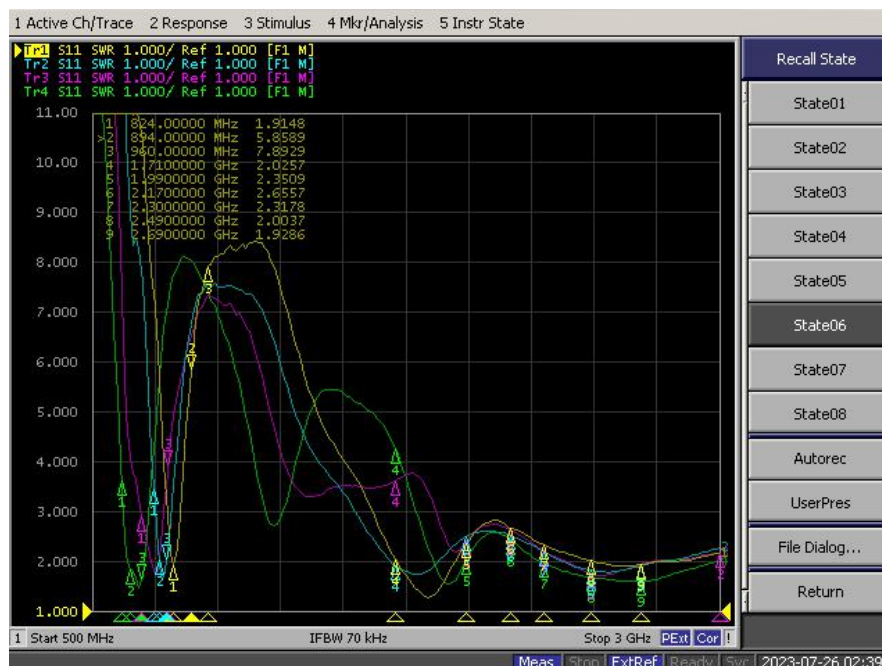


WIFI/BT/GPS antenna

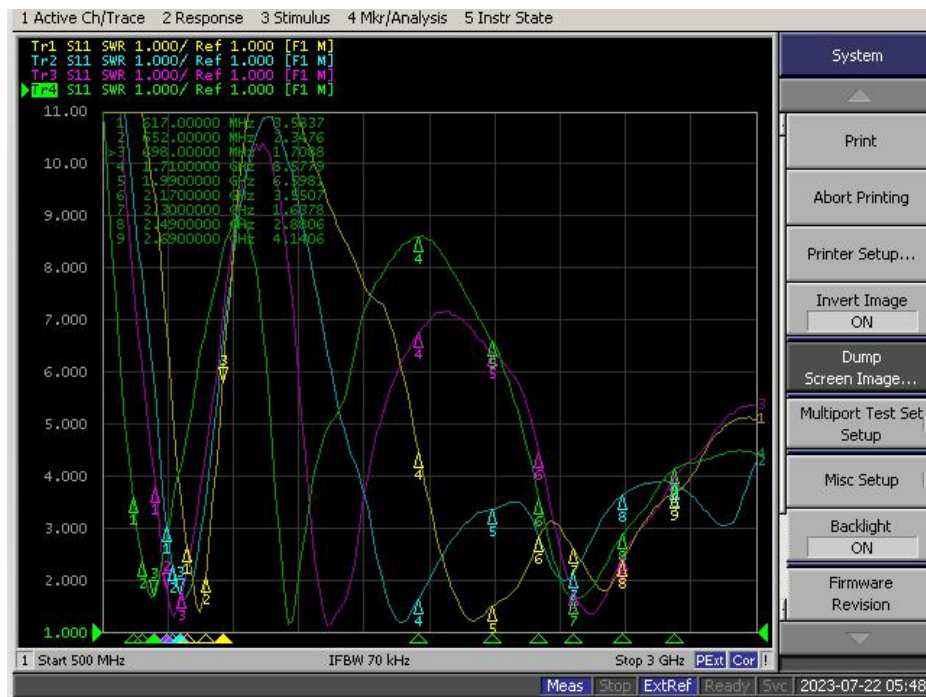
## 2 Electrical performance

### 2.1 Passive result

#### 2.11 VSWR Main



## 2.12 VSWR Diversity



## 2.13 VSWR WIFI&BT&GPS



## 2.14 Efficiency & Gain

### Main

#### B71

#### B12/17

#### B13/14

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 600        | 14.31    | -8.44     | -3.4       | 690        | 13.57    | -8.67     | -4.31      | 740        | 18.19    | -7.4      | -2.71      |
| 610        | 18.32    | -7.37     | -2.61      | 700        | 16.55    | -7.81     | -3.47      | 750        | 24.46    | -6.12     | -1.74      |
| 620        | 22.82    | -6.42     | -1.78      | 710        | 22.82    | -6.42     | -1.86      | 760        | 29.94    | -5.24     | -1.23      |
| 630        | 27.6     | -5.59     | -1.25      | 720        | 24.73    | -6.07     | -1.58      | 770        | 29.87    | -5.25     | -1.54      |
| 640        | 29.35    | -5.32     | -0.92      | 730        | 28.07    | -5.52     | -1.35      | 780        | 31.95    | -4.96     | -1.19      |
| 650        | 33.46    | -4.75     | -0.09      | 740        | 30.27    | -5.19     | -1.45      | 790        | 37.16    | -4.3      | -0.26      |
| 660        | 31.83    | -4.97     | -0.44      | 750        | 33.08    | -4.8      | -1.47      | 800        | 47.03    | -3.28     | 1.01       |
| 670        | 28.91    | -5.39     | -1.23      | 760        | 31.85    | -4.97     | -1.31      |            |          |           |            |
| 680        | 26       | -5.85     | -2.16      | 770        | 24.25    | -6.15     | -2.1       |            |          |           |            |
| 690        | 21.64    | -6.65     | -3.31      | 780        | 22.43    | -6.49     | -2.07      |            |          |           |            |
| 700        | 17.68    | -7.53     | -4.24      | 790        | 22.62    | -6.45     | -2.31      |            |          |           |            |

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| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 800        | 22.58    | -6.46     | -3.05      |
| 810        | 25.99    | -5.85     | -2.34      |
| 820        | 27.43    | -5.62     | -1.89      |
| 830        | 28.46    | -5.46     | -1.57      |
| 840        | 29.63    | -5.28     | -1.59      |
| 850        | 31.14    | -5.07     | -1.55      |
| 860        | 34.12    | -4.67     | -1.71      |
| 870        | 38.82    | -4.11     | -0.87      |
| 880        | 44.82    | -3.49     | -0.73      |
| 890        | 52.08    | -2.83     | 0.05       |
| 900        | 54.45    | -2.64     | -0.07      |
| 910        | 54.38    | -2.65     | 0.15       |
| 920        | 49.4     | -3.06     | -0.3       |
| 930        | 41.13    | -3.86     | -0.86      |
| 940        | 32.51    | -4.88     | -2.02      |
| 950        | 26.38    | -5.79     | -2.96      |
| 960        | 19.72    | -7.05     | -4.2       |

#### B2/4/41/66

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 1690       | 52.66    | -2.78     | 2.9        | 1910       | 51.42    | -2.89     | 0.74       |
| 1700       | 49.65    | -3.04     | 2.78       | 1920       | 49.63    | -3.04     | 0.77       |

Confidential Information

|      |       |       |      |      |       |       |      |
|------|-------|-------|------|------|-------|-------|------|
| 1710 | 53.07 | -2.75 | 3.08 | 1930 | 46.72 | -3.3  | 0.76 |
| 1720 | 58.19 | -2.35 | 3.46 | 1940 | 42.14 | -3.75 | 0.26 |
| 1730 | 59.6  | -2.25 | 3.5  | 1950 | 42.19 | -3.75 | 0.47 |
| 1740 | 59.18 | -2.28 | 3.46 | 1960 | 39.85 | -4    | 0.16 |
| 1750 | 61.61 | -2.1  | 3.66 | 1970 | 38.16 | -4.18 | 0.14 |
| 1760 | 63.01 | -2.01 | 3.77 | 1980 | 38.79 | -4.11 | 0.24 |
| 1770 | 65.19 | -1.86 | 3.85 | 1990 | 39.23 | -4.06 | 0.34 |
| 1780 | 65.5  | -1.84 | 3.74 | 2000 | 39.79 | -4    | 0.5  |
| 1790 | 62.49 | -2.04 | 3.36 | 2010 | 40.39 | -3.94 | 0.65 |
| 1800 | 61.1  | -2.14 | 3.21 | 2020 | 37.29 | -4.28 | 0.4  |
| 1810 | 60.03 | -2.22 | 2.86 | 2030 | 36.65 | -4.36 | 0.35 |
| 1820 | 57.45 | -2.41 | 2.48 | 2040 | 37.53 | -4.26 | 0.59 |
| 1830 | 55.89 | -2.53 | 2.07 | 2050 | 39.29 | -4.06 | 0.86 |
| 1840 | 55.16 | -2.58 | 1.76 | 2060 | 42.89 | -3.68 | 1.29 |
| 1850 | 55.78 | -2.53 | 1.5  | 2070 | 44.18 | -3.55 | 1.3  |
| 1860 | 56.94 | -2.45 | 1.4  | 2080 | 41.38 | -3.83 | 1.05 |
| 1870 | 54.82 | -2.61 | 0.84 | 2090 | 41.39 | -3.83 | 0.84 |
| 1880 | 52.62 | -2.79 | 0.37 | 2100 | 42.75 | -3.69 | 1.01 |
| 1890 | 52.11 | -2.83 | 0.26 | 2110 | 35.38 | -4.51 | 0.28 |
| 1900 | 52.99 | -2.76 | 0.59 | 2120 | 34.99 | -4.56 | 0.14 |

| Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | Freq<br>(MHz) | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) |
|---------------|-------------|--------------|---------------|---------------|-------------|--------------|---------------|
| 2130          | 35.83       | -4.46        | 0.35          | 2420          | 54.29       | -2.65        | 1.08          |
| 2140          | 37.27       | -4.29        | 0.45          | 2430          | 56.8        | -2.46        | 1.66          |
| 2150          | 37.3        | -4.28        | 0.51          | 2440          | 60.21       | -2.2         | 1.75          |
| 2160          | 37.53       | -4.26        | 0.5           | 2450          | 62.97       | -2.01        | 2.09          |
| 2170          | 36.02       | -4.43        | 0.33          | 2460          | 65.26       | -1.85        | 2.47          |
| 2180          | 37.3        | -4.28        | 0.48          | 2470          | 63.31       | -1.99        | 2.86          |
| 2190          | 37.02       | -4.32        | 0.37          | 2480          | 65.18       | -1.86        | 2.99          |
| 2200          | 38.46       | -4.15        | 0.64          | 2490          | 69.01       | -1.61        | 3.06          |
| 2210          | 39.28       | -4.06        | 0.85          | 2500          | 69.82       | -1.56        | 3.13          |
| 2220          | 39.93       | -3.99        | 0.76          | 2510          | 68.75       | -1.63        | 2.98          |
| 2230          | 40.31       | -3.95        | 0.57          | 2520          | 70.74       | -1.5         | 3.13          |
| 2240          | 41.6        | -3.81        | 0.37          | 2530          | 69.22       | -1.6         | 2.87          |
| 2250          | 42.57       | -3.71        | 0.21          | 2540          | 68.75       | -1.63        | 2.74          |
| 2260          | 43.13       | -3.65        | 0.03          | 2550          | 68.82       | -1.62        | 2.52          |
| 2270          | 44.35       | -3.53        | 0.01          | 2560          | 69.66       | -1.57        | 2.45          |
| 2280          | 41.27       | -3.84        | -0.21         | 2570          | 68.96       | -1.61        | 2.37          |
| 2290          | 43.43       | -3.62        | -0.36         | 2580          | 66.46       | -1.77        | 2.15          |
| 2300          | 44.73       | -3.49        | -0.55         | 2590          | 63.33       | -1.98        | 1.97          |
| 2310          | 46.11       | -3.36        | -0.74         | 2600          | 66.57       | -1.77        | 2.22          |
| 2320          | 48.55       | -3.14        | -0.52         | 2610          | 64.11       | -1.93        | 2.17          |
| 2330          | 49.84       | -3.02        | -0.19         | 2620          | 60.23       | -2.2         | 2.04          |
| 2340          | 48.55       | -3.14        | 0.12          | 2630          | 59.94       | -2.22        | 2.1           |
| 2350          | 50.88       | -2.93        | 0.11          | 2640          | 62.43       | -2.05        | 2.31          |
| 2360          | 48.82       | -3.11        | 0.51          | 2650          | 61.74       | -2.09        | 2.3           |

**Confidential Information**

|      |       |       |      |      |       |       |      |
|------|-------|-------|------|------|-------|-------|------|
| 2370 | 49.3  | -3.07 | 2.62 | 2660 | 63.41 | -1.98 | 2.51 |
| 2380 | 50.42 | -2.97 | 2.68 | 2670 | 63.53 | -1.97 | 2.58 |
| 2390 | 52.36 | -2.81 | 2.77 | 2680 | 63.08 | -2    | 2.7  |
| 2400 | 52.91 | -2.76 | 2.76 | 2690 | 60.12 | -2.21 | 2.58 |
| 2410 | 54.83 | -2.61 | 2.76 |      |       |       |      |

**Diversity**

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| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 600        | 11.79    | -9.28     | -3.5       | 700        | 15.58    | -8.07     | -3.57      | 740        | 25.86    | -5.87     | -0.76      |
| 610        | 14.57    | -8.37     | -2.3       | 710        | 19.42    | -7.12     | -2.43      | 750        | 29.66    | -5.28     | -0.26      |
| 620        | 16.45    | -7.84     | -2.05      | 720        | 19.73    | -7.05     | -1.78      | 760        | 31.27    | -5.05     | 0.01       |
| 630        | 21.05    | -6.77     | -1.37      | 730        | 21.09    | -6.76     | -1.66      | 770        | 26.2     | -5.82     | -0.81      |
| 640        | 24.78    | -6.06     | -1.2       | 740        | 25.6     | -5.92     | -1.18      | 780        | 23.52    | -6.29     | -1.19      |
| 650        | 26.55    | -5.76     | -1.12      | 750        | 29.15    | -5.35     | -0.47      | 790        | 24.6     | -6.09     | -1.16      |
| 660        | 25.62    | -5.91     | -1.32      | 760        | 33.2     | -4.79     | 0.35       | 800        | 28.59    | -5.44     | -0.6       |
| 670        | 22.47    | -6.48     | -1.73      | 770        | 30.41    | -5.17     | 0          |            |          |           |            |
| 680        | 24.23    | -6.16     | -1.44      | 780        | 31.66    | -5        | 0.34       |            |          |           |            |
| 690        | 23.4     | -6.31     | -1.46      | 790        | 34.65    | -4.6      | 0.69       |            |          |           |            |
| 700        | 24.31    | -6.14     | -1.29      | 800        | 43       | -3.67     | 1.64       |            |          |           |            |

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| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|
| 800        | 24.36    | -6.13     | -1.11      |
| 810        | 25.1     | -6        | -0.85      |
| 820        | 29.3     | -5.33     | -0.13      |
| 830        | 31.92    | -4.96     | 0.16       |
| 840        | 35.83    | -4.46     | 0.34       |
| 850        | 39.03    | -4.09     | 0.39       |
| 860        | 42.14    | -3.75     | 0.35       |
| 870        | 43.25    | -3.64     | 0.39       |
| 880        | 42.48    | -3.72     | 0.46       |
| 890        | 40.3     | -3.95     | 0.17       |
| 900        | 36.37    | -4.39     | -0.15      |
| 910        | 29.98    | -5.23     | -0.74      |
| 920        | 25.19    | -5.99     | -1.31      |
| 930        | 17.95    | -7.46     | -2.1       |
| 940        | 13.8     | -8.6      | -2.77      |
| 950        | 11.15    | -9.53     | -3.43      |
| 960        | 9.77     | -10.1     | -3.78      |



Confidential Information

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| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 1690       | 18.69    | -7.28     | -3.06      | 1910       | 50.61    | -2.96     | 2.45       |
| 1700       | 20.65    | -6.85     | -2.84      | 1920       | 50.35    | -2.98     | 2.53       |
| 1710       | 21.69    | -6.64     | -2.55      | 1930       | 49.87    | -3.02     | 2.67       |
| 1720       | 21.88    | -6.6      | -2.39      | 1940       | 47.59    | -3.23     | 2.54       |
| 1730       | 22.87    | -6.41     | -2.07      | 1950       | 47.23    | -3.26     | 2.49       |
| 1740       | 23.58    | -6.27     | -1.93      | 1960       | 45.28    | -3.44     | 2.28       |
| 1750       | 25.2     | -5.99     | -1.62      | 1970       | 44.17    | -3.55     | 2          |
| 1760       | 27.22    | -5.65     | -1.34      | 1980       | 43.53    | -3.61     | 1.87       |
| 1770       | 27.24    | -5.65     | -1.44      | 1990       | 41.31    | -3.84     | 1.66       |
| 1780       | 29.75    | -5.27     | -1.12      | 2000       | 40.46    | -3.93     | 1.52       |
| 1790       | 31.29    | -5.05     | -0.93      | 2010       | 37.94    | -4.21     | 1.31       |
| 1800       | 32.59    | -4.87     | -0.62      | 2020       | 35.17    | -4.54     | 0.91       |
| 1810       | 34.99    | -4.56     | -0.13      | 2030       | 34.58    | -4.61     | 0.78       |
| 1820       | 36.78    | -4.34     | 0.15       | 2040       | 33.06    | -4.81     | 0.55       |
| 1830       | 38.06    | -4.2      | 0.46       | 2050       | 32.09    | -4.94     | 0.43       |
| 1840       | 41.61    | -3.81     | 0.97       | 2060       | 31.51    | -5.02     | 0.47       |
| 1850       | 45.81    | -3.39     | 1.42       | 2070       | 29.88    | -5.25     | 0.23       |
| 1860       | 47.01    | -3.28     | 1.72       | 2080       | 28.81    | -5.4      | 0.18       |
| 1870       | 47.32    | -3.25     | 1.84       | 2090       | 27.57    | -5.59     | -0.09      |
| 1880       | 48.57    | -3.14     | 2.01       | 2100       | 25.97    | -5.85     | -0.37      |
| 1890       | 49.68    | -3.04     | 2.21       | 2110       | 22.11    | -6.55     | -1.23      |
| 1900       | 50.83    | -2.94     | 2.34       | 2120       | 20.65    | -6.85     | -1.67      |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 2130       | 20.66    | -6.85     | -1.7       | 2420       | 45.9     | -3.38     | 1.2        |
| 2140       | 20.77    | -6.83     | -1.49      | 2430       | 45.46    | -3.42     | 1.21       |
| 2150       | 20.11    | -6.97     | -1.57      | 2440       | 47.5     | -3.23     | 1.35       |
| 2160       | 19.75    | -7.04     | -1.51      | 2450       | 47.69    | -3.22     | 1.36       |
| 2170       | 20.39    | -6.91     | -1.19      | 2460       | 44.95    | -3.47     | 1.2        |
| 2180       | 20.28    | -6.93     | -1.07      | 2470       | 41.92    | -3.78     | 0.93       |
| 2190       | 21.63    | -6.65     | -0.7       | 2480       | 39.72    | -4.01     | 0.79       |
| 2200       | 21.44    | -6.69     | -0.75      | 2490       | 37.61    | -4.25     | 0.62       |
| 2210       | 21.08    | -6.76     | -0.75      | 2500       | 36.83    | -4.34     | 0.68       |
| 2220       | 21.38    | -6.7      | -0.62      | 2510       | 33.63    | -4.73     | 0.36       |
| 2230       | 21.58    | -6.66     | -0.56      | 2520       | 31.72    | -4.99     | 0.24       |
| 2240       | 20.89    | -6.8      | -0.79      | 2530       | 30.41    | -5.17     | 0.1        |
| 2250       | 20.89    | -6.8      | -0.94      | 2540       | 27.86    | -5.55     | -0.21      |
| 2260       | 20.94    | -6.79     | -1.1       | 2550       | 27.41    | -5.62     | -0.24      |
| 2270       | 21.91    | -6.59     | -1.08      | 2560       | 27.11    | -5.67     | -0.19      |
| 2280       | 22.08    | -6.56     | -1.22      | 2570       | 26.31    | -5.8      | -0.33      |
| 2290       | 21.69    | -6.64     | -1.52      | 2580       | 25.69    | -5.9      | -0.47      |
| 2300       | 22.61    | -6.46     | -1.57      | 2590       | 24.6     | -6.09     | -0.75      |

Confidential Information

|      |       |       |       |      |       |       |       |
|------|-------|-------|-------|------|-------|-------|-------|
| 2310 | 23.21 | -6.34 | -1.66 | 2600 | 23.54 | -6.28 | -1.07 |
| 2320 | 24.68 | -6.08 | -1.66 | 2610 | 23.25 | -6.34 | -1.28 |
| 2330 | 27.67 | -5.58 | -1.47 | 2620 | 21.42 | -6.69 | -1.75 |
| 2340 | 30.93 | -5.1  | -1.13 | 2630 | 20.83 | -6.81 | -1.82 |
| 2350 | 32.98 | -4.82 | -0.54 | 2640 | 20.7  | -6.84 | -1.79 |
| 2360 | 35.91 | -4.45 | 0.04  | 2650 | 19.91 | -7.01 | -1.91 |
| 2370 | 36.9  | -4.33 | 0.27  | 2660 | 18.9  | -7.23 | -2.11 |
| 2380 | 40.39 | -3.94 | 0.59  | 2670 | 18.23 | -7.39 | -2.36 |
| 2390 | 43.31 | -3.63 | 0.85  | 2680 | 16.4  | -7.85 | -2.82 |
| 2400 | 44.76 | -3.49 | 0.98  | 2690 | 15.58 | -8.07 | -2.99 |
| 2410 | 45.53 | -3.42 | 1.13  |      |       |       |       |

WIFI/BT/GPS

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 1560       | 41.15    | -3.86     | 0.29       | 2400       | 38.25    | -4.17     | 1.46       |
| 1565       | 42.25    | -3.74     | 0.26       | 2410       | 37.79    | -4.23     | 1.56       |
| 1570       | 43       | -3.67     | 0.31       | 2420       | 39.29    | -4.06     | 1.77       |
| 1575       | 44.31    | -3.54     | 0.51       | 2430       | 39.05    | -4.08     | 1.88       |
| 1580       | 44.51    | -3.51     | 0.67       | 2440       | 38.58    | -4.14     | 1.49       |
| 1585       | 43.09    | -3.66     | 0.62       | 2450       | 38.9     | -4.1      | 1.64       |
| 1590       | 42.85    | -3.68     | 0.57       | 2460       | 40.11    | -3.97     | 1.68       |
| 1595       | 40.46    | -3.93     | 0.43       | 2470       | 44.78    | -3.49     | 2.38       |
|            |          |           |            | 2480       | 39.7     | -4.01     | 2.14       |
|            |          |           |            | 2490       | 40.4     | -3.94     | 2.1        |
|            |          |           |            | 2500       | 40.5     | -3.93     | 2.09       |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|------------|----------|-----------|------------|------------|----------|-----------|------------|
| 5150       | 37.32    | -4.28     | 0.74       | 5510       | 36.28    | -4.4      | 1.42       |
| 5160       | 36.37    | -4.39     | 0.53       | 5520       | 36.83    | -4.34     | 1.46       |
| 5170       | 35.61    | -4.48     | 0.64       | 5530       | 37.25    | -4.29     | 1.51       |
| 5180       | 35.15    | -4.54     | 0.75       | 5540       | 36.55    | -4.37     | 1.43       |
| 5190       | 35.09    | -4.55     | 0.84       | 5550       | 35.5     | -4.5      | 1.42       |
| 5200       | 34.81    | -4.58     | 0.86       | 5560       | 34.8     | -4.58     | 1.32       |
| 5210       | 35.87    | -4.45     | 1          | 5570       | 35.76    | -4.47     | 1.4        |
| 5220       | 35.1     | -4.55     | 1.07       | 5580       | 35.68    | -4.48     | 1.47       |
| 5230       | 36.38    | -4.39     | 1.46       | 5590       | 34.64    | -4.6      | 1.32       |
| 5240       | 35.69    | -4.47     | 1.26       | 5600       | 35.07    | -4.55     | 1.36       |
| 5250       | 35.04    | -4.55     | 1.32       | 5610       | 35.71    | -4.47     | 1.33       |
| 5260       | 35.47    | -4.5      | 1.27       | 5620       | 35.91    | -4.45     | 1.5        |
| 5270       | 34.66    | -4.6      | 1.27       | 5630       | 35.88    | -4.45     | 1.42       |
| 5280       | 34.84    | -4.58     | 1.28       | 5640       | 35.4     | -4.51     | 1.36       |
| 5290       | 36.5     | -4.38     | 1.73       | 5650       | 36.21    | -4.41     | 1.41       |
| 5300       | 34.07    | -4.68     | 1.29       | 5660       | 37.25    | -4.29     | 1.74       |
| 5310       | 34.43    | -4.63     | 1.33       | 5670       | 36.9     | -4.33     | 1.49       |

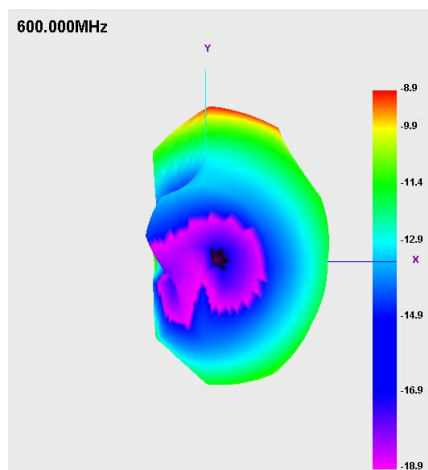
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|      |       |       |      |      |       |       |      |
|------|-------|-------|------|------|-------|-------|------|
| 5320 | 35.72 | -4.47 | 1.45 | 5680 | 37.59 | -4.25 | 1.75 |
| 5330 | 35.02 | -4.56 | 1.54 | 5690 | 39.27 | -4.06 | 1.86 |
| 5340 | 36.39 | -4.39 | 1.66 | 5700 | 39.14 | -4.07 | 1.7  |
| 5350 | 37.95 | -4.21 | 1.67 | 5710 | 38.4  | -4.16 | 1.58 |
| 5360 | 36.6  | -4.37 | 1.67 | 5720 | 37.93 | -4.21 | 1.72 |
| 5370 | 36.23 | -4.41 | 1.58 | 5730 | 39.25 | -4.06 | 1.71 |
| 5380 | 36.63 | -4.36 | 1.56 | 5740 | 39.81 | -4    | 1.74 |
| 5390 | 34.33 | -4.64 | 1.19 | 5750 | 39.8  | -4    | 1.79 |
| 5400 | 40.77 | -3.9  | 1.93 | 5760 | 37.5  | -4.26 | 1.49 |
| 5410 | 40.16 | -3.96 | 1.8  | 5770 | 37.46 | -4.26 | 1.51 |
| 5420 | 38.98 | -4.09 | 1.59 | 5780 | 36.54 | -4.37 | 1.19 |
| 5430 | 38.54 | -4.14 | 1.67 | 5790 | 36.15 | -4.42 | 1.06 |
| 5440 | 38.27 | -4.17 | 1.52 | 5800 | 34.49 | -4.62 | 0.97 |
| 5450 | 38.05 | -4.2  | 1.48 | 5810 | 33.75 | -4.72 | 0.9  |
| 5460 | 38.37 | -4.16 | 1.47 | 5820 | 33.39 | -4.76 | 0.78 |
| 5470 | 37.16 | -4.3  | 1.38 | 5830 | 32.89 | -4.83 | 0.88 |
| 5480 | 36.34 | -4.4  | 1.37 | 5840 | 32.46 | -4.89 | 0.85 |
| 5490 | 36.03 | -4.43 | 1.27 | 5850 | 33.52 | -4.75 | 1.11 |
| 5500 | 35.78 | -4.46 | 1.32 |      |       |       |      |

## 2.2 3D Pattern

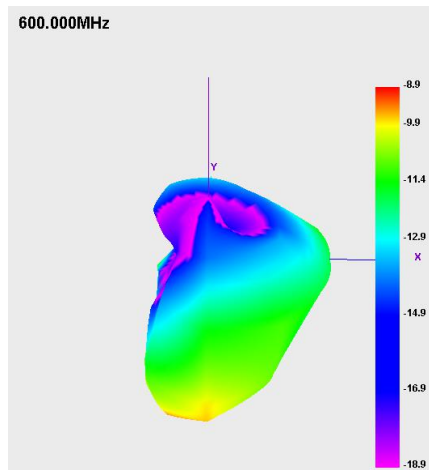
### Main

#### H plane



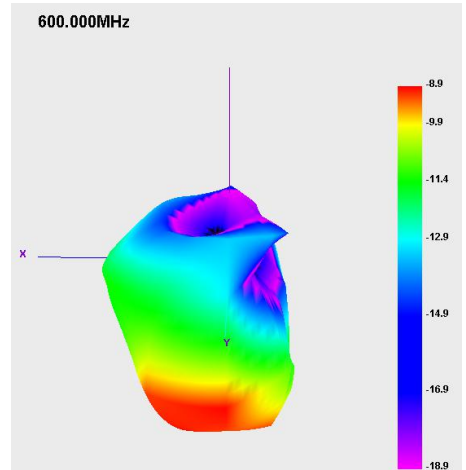
#### H plane

#### E1 plane

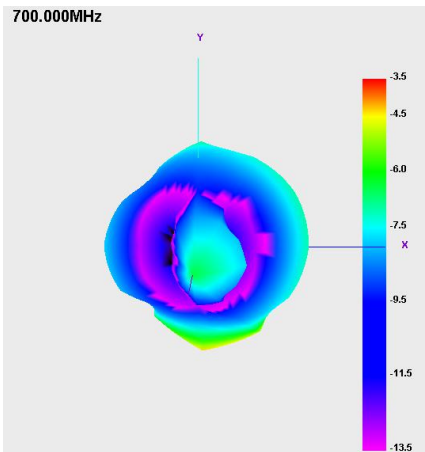


#### E1 plane

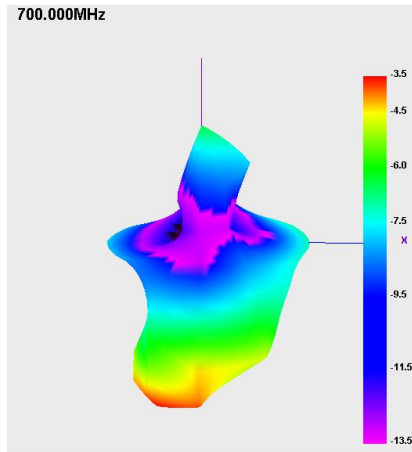
#### E2 plane



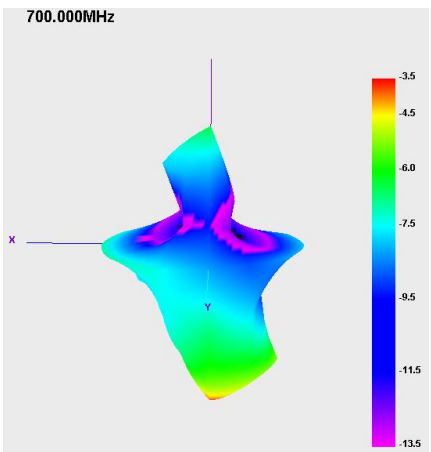
#### E2 plane



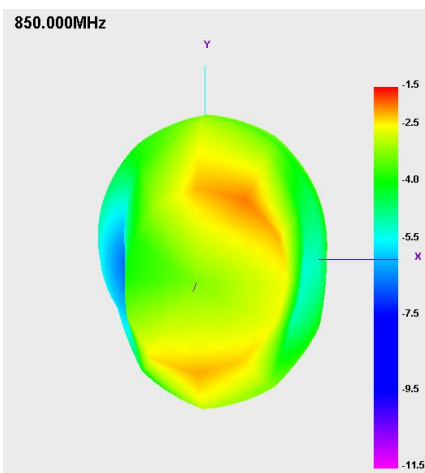
H plane



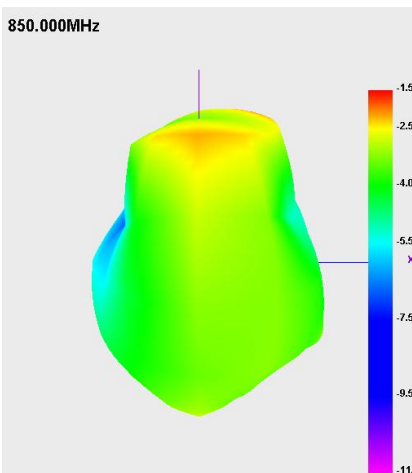
E1 plane



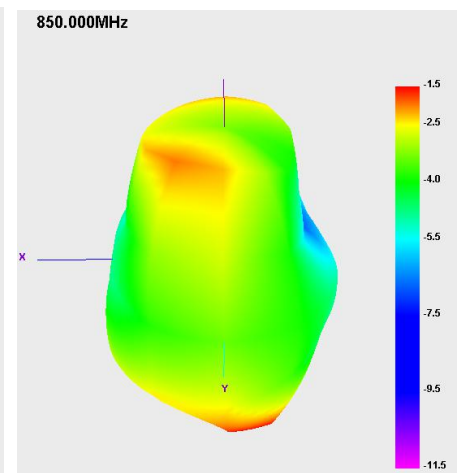
E2 plane



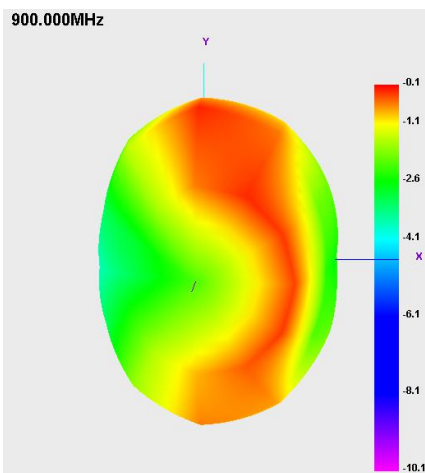
H plane



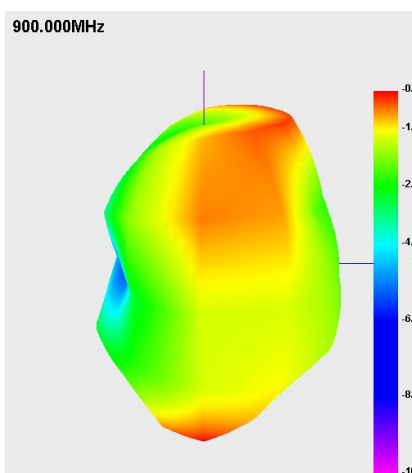
E1 plane



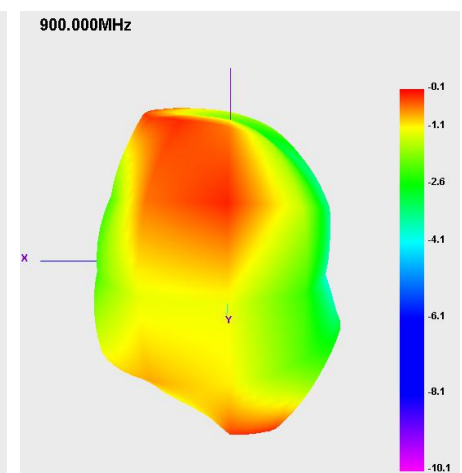
E2 plane



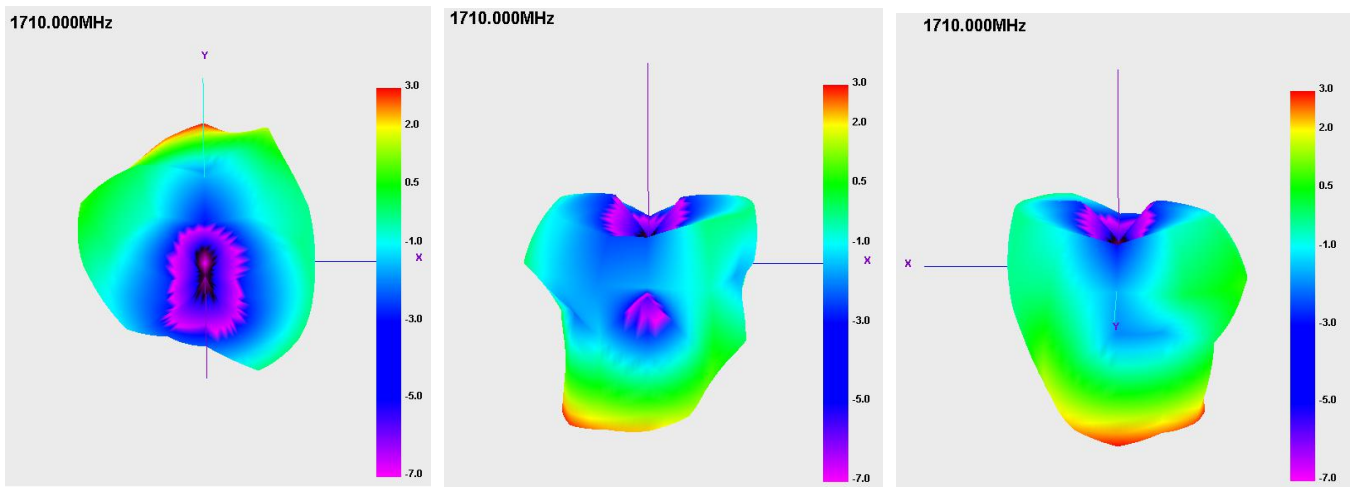
H plane



E1 plane



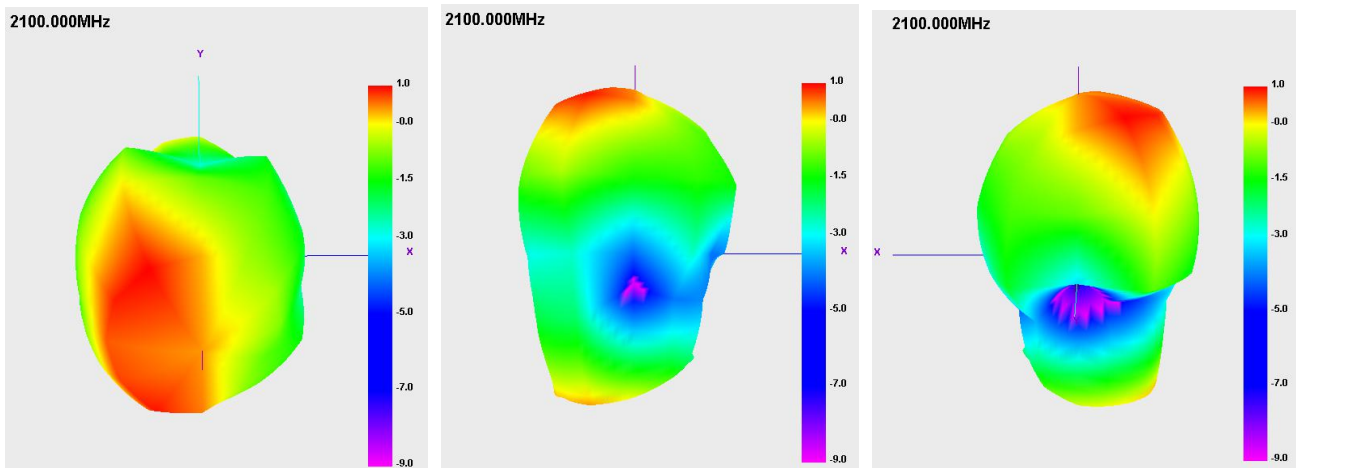
E2 plane



H plane

E1 plane

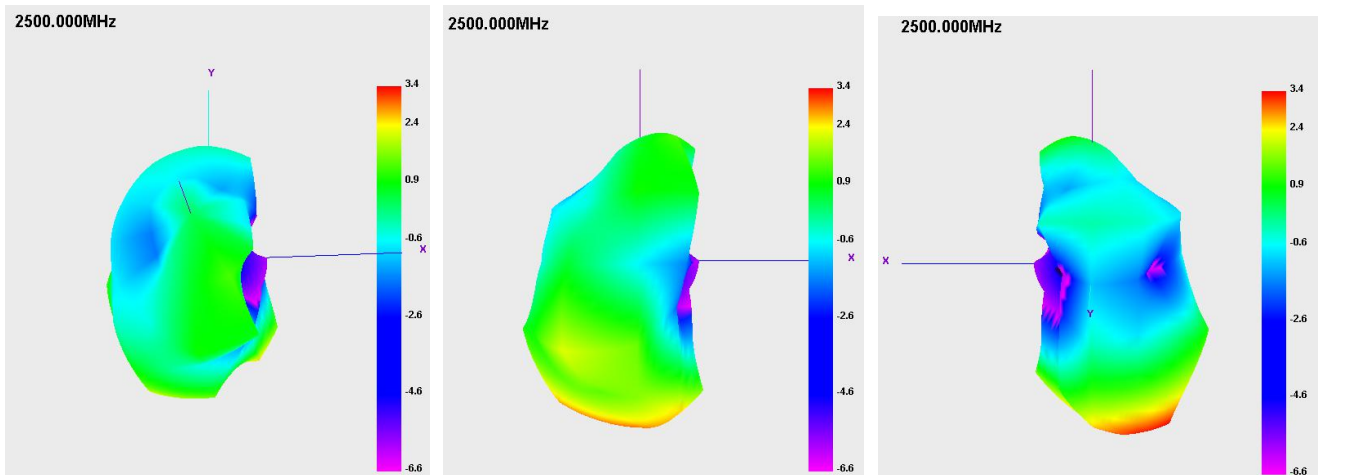
E2 plane



H plane

E1 plane

E2 plane

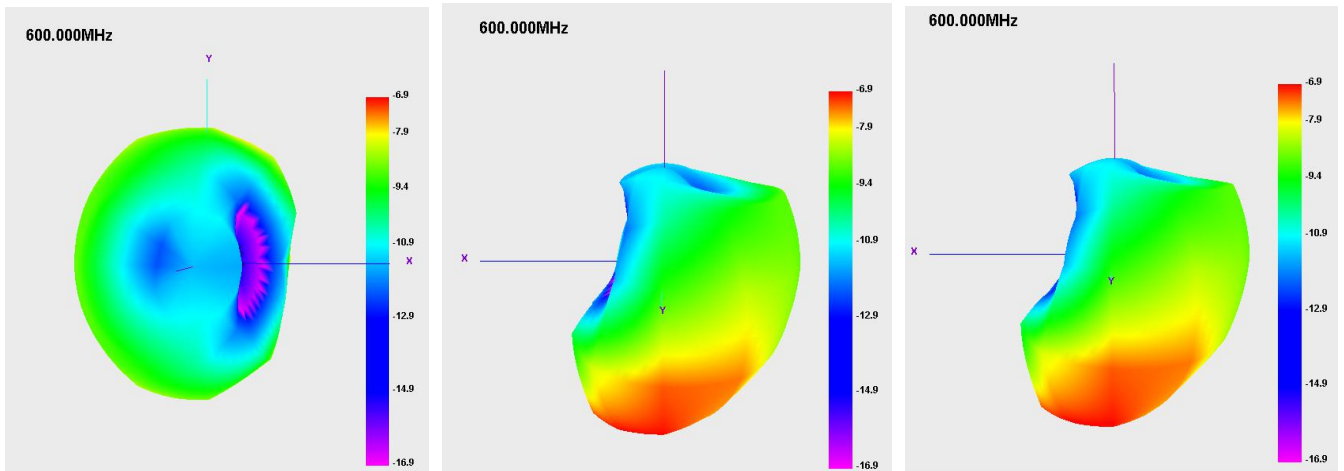


Diversity

H plane

E1 plane

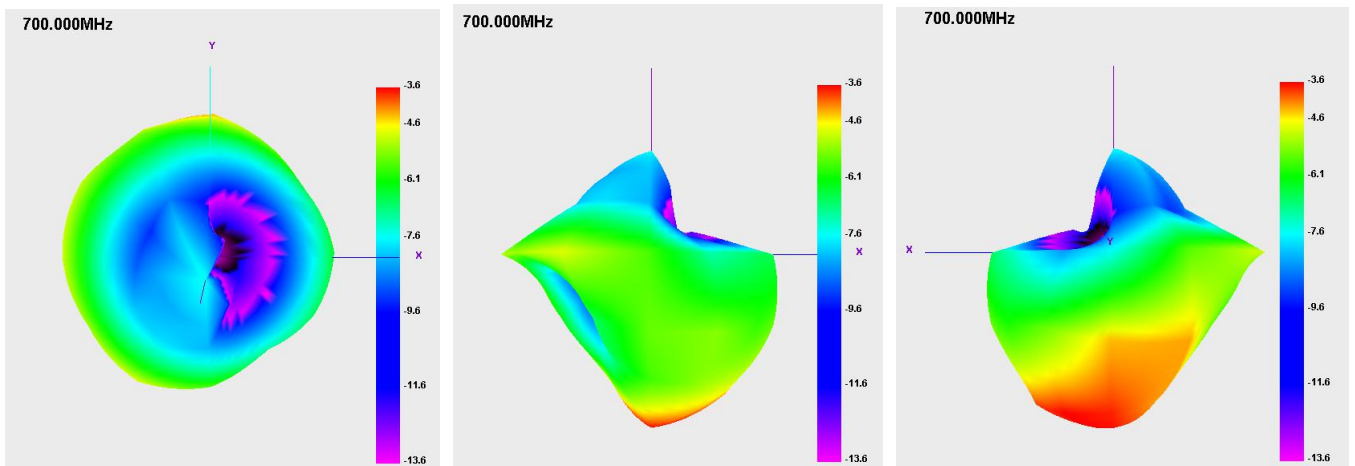
E2 plane



H plane

E1 plane

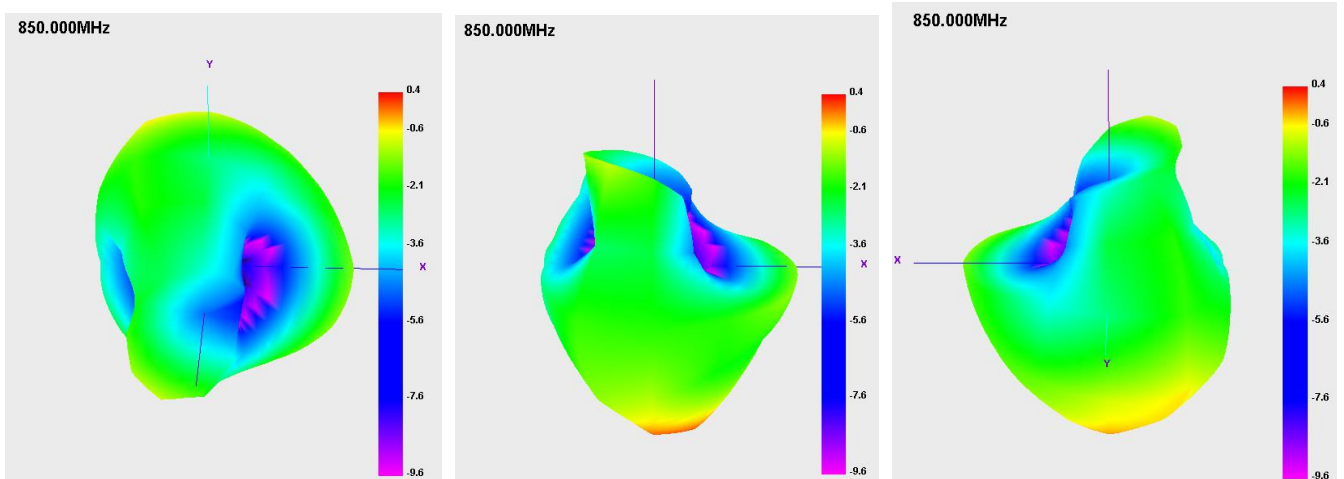
E2 plane



H plane

E1 plane

E2 plane

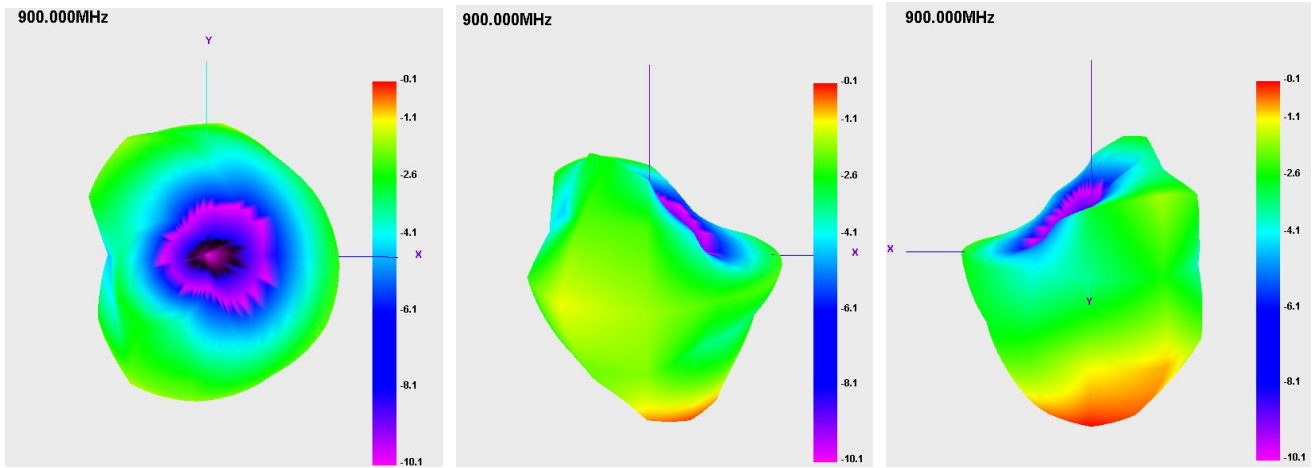


H plane

E1 plane

E2 plane

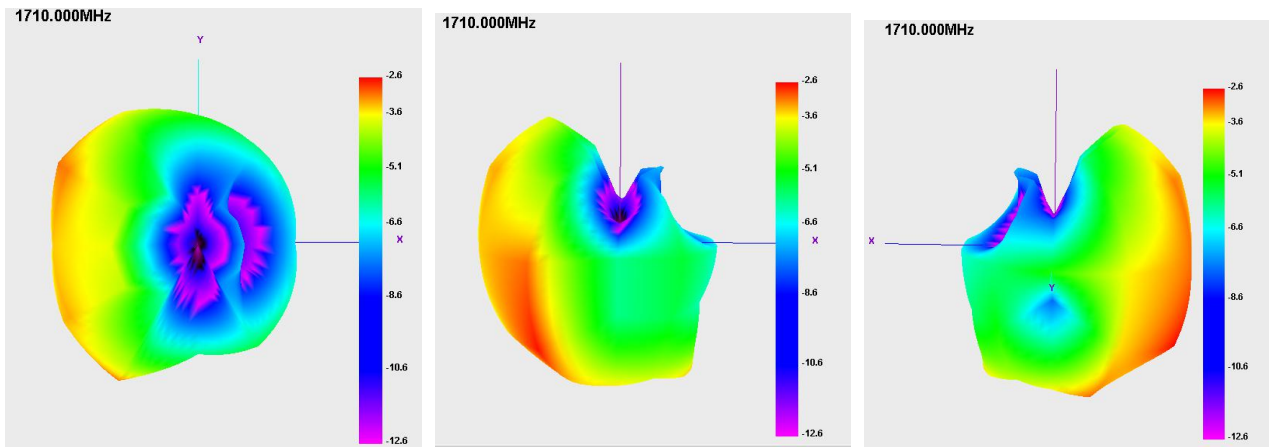




H plane

E1 plane

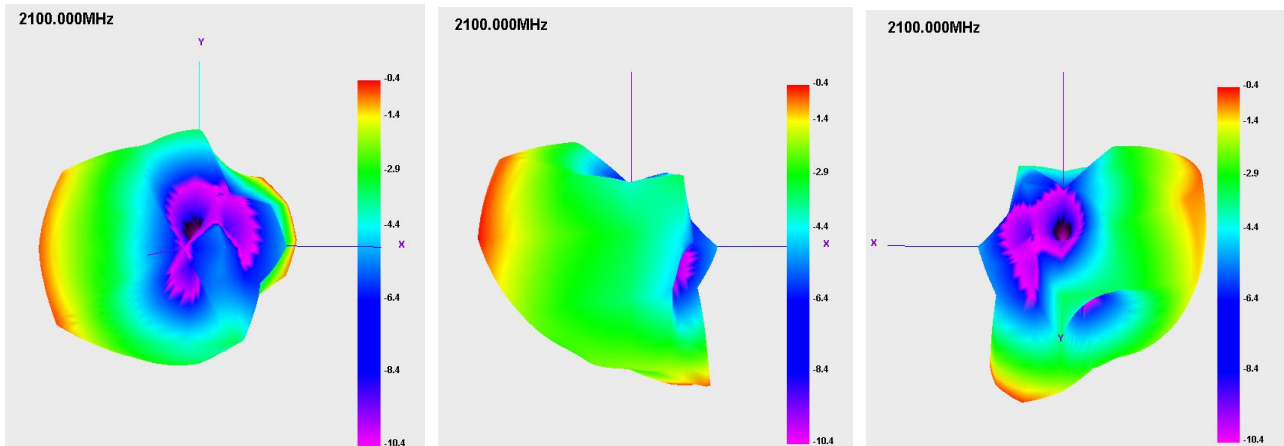
E2 plane



H plane

E1 plane

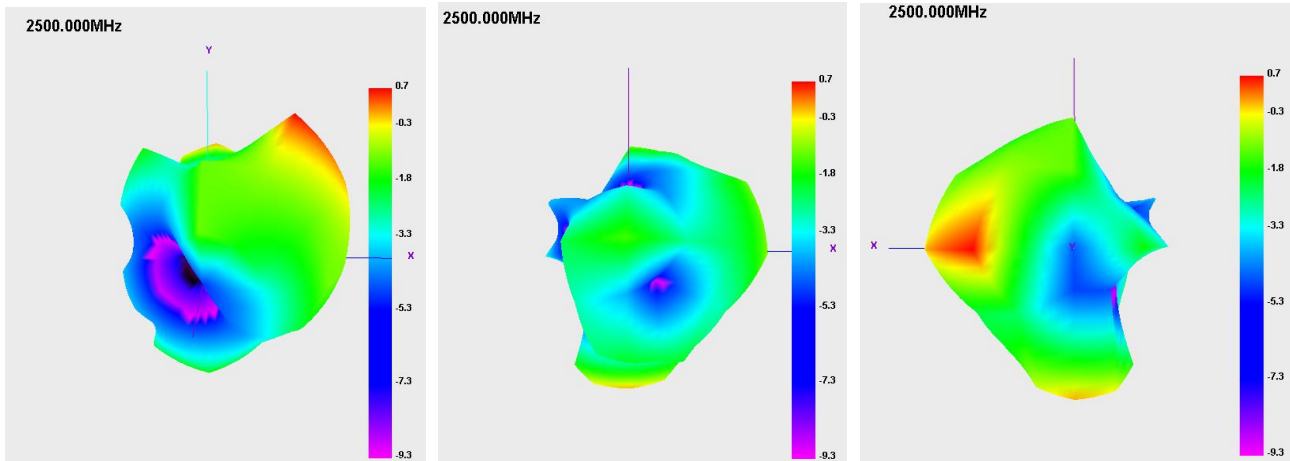
E2 plane



H plane

E1 plane

E2 plane

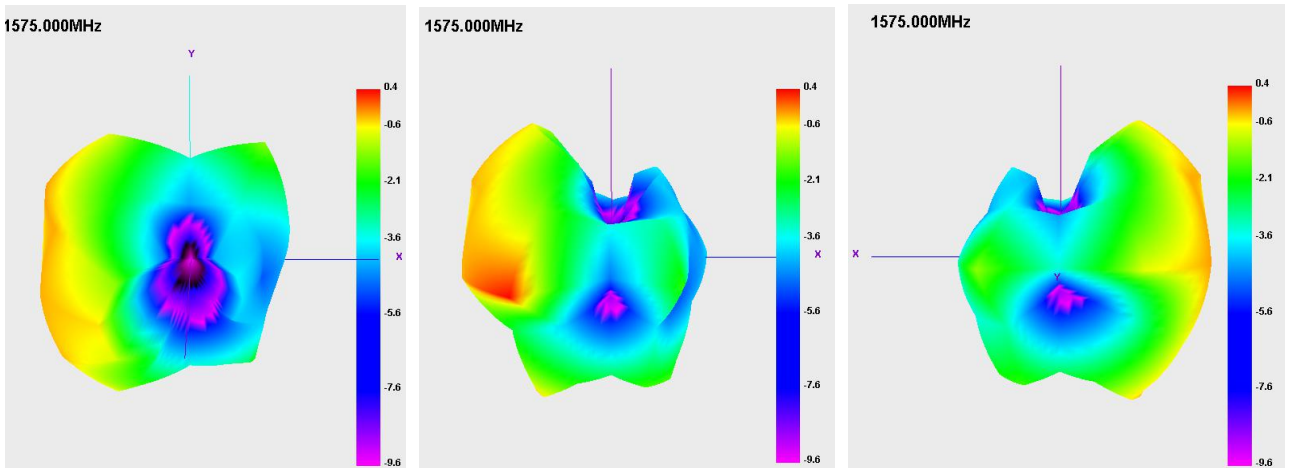


WIFI/BT/GPS

H plane

E1 plane

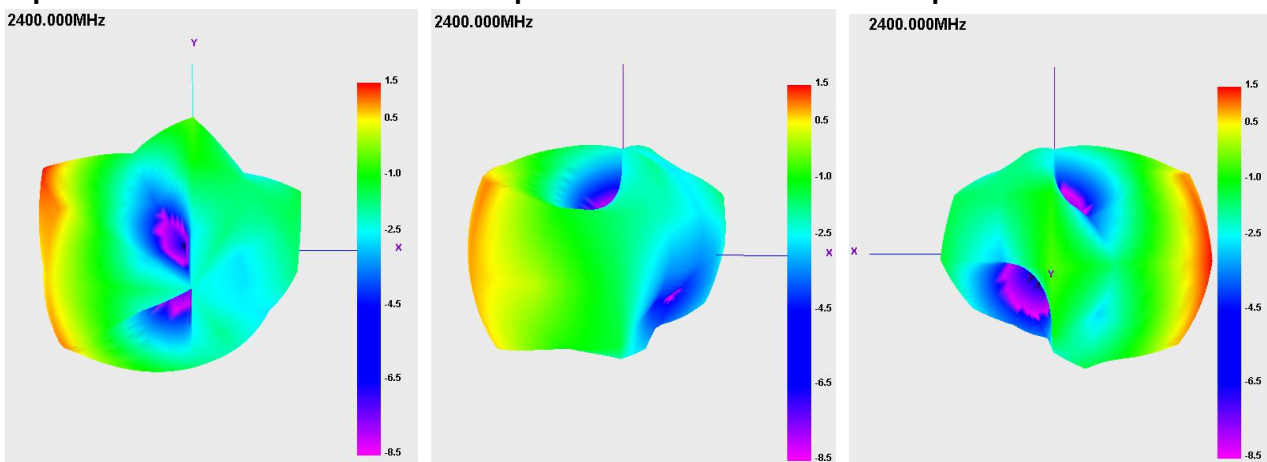
E2 plane



H plane

E1 plane

E2 plane



H plane

E1 plane

E2 plane



