## 3.2.11 OTA Passive Efficiency&Gain Test--B13--diversity:

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 740 | 21.26 | -6.72 | -2.9 | 1910 | 23.44 | -6.3 | -1.27 |
| 750 | 22.11 | -6.55 | -3.24 | 1920 | 23.01 | -6.38 | -1.37 |
| 760 | 21.82 | -6.61 | -2.85 | 1930 | 22.91 | -6.4 | -1.42 |
| 770 | 20.22 | -6.94 | -3.45 | 1940 | 23.2 | -6.35 | -1.56 |
| 780 | 22.68 | -6.44 | -2.56 | 1950 | 22.71 | -6.44 | -1.4 |
| 790 | 22.7 | -6.44 | -3.55 | 1960 | 22.2 | -6.54 | -1.4 |
| 800 | 24.29 | -6.15 | -2.7 | 1970 | 23.54 | -6.28 | -0.8 |
| 810 | 20.44 | -6.9 | -3.69 | 1980 | 24.02 | -6.19 | -0.65 |
|  |  |  |  | 1990 | 22.96 | -6.39 | -0.57 |
| 1700 | 28.57 | -5.44 | -1.86 | 2000 | 22.31 | -6.51 | -0.61 |
| 1710 | 25.88 | -5.87 | -2.56 | 2010 | 22.8 | -6.42 | -0.86 |
| 1720 | 23.95 | -6.21 | -2.98 | 2020 | 23.96 | -6.21 | -0.79 |
| 1730 | 23.16 | -6.35 | -3.17 | 2030 | 23.21 | -6.34 | -0.73 |
| 1740 | 22.34 | -6.51 | -3.24 | 2040 | 22.26 | -6.52 | -0.82 |
| 1750 | 20.86 | -6.81 | -3.49 | 2050 | 22.65 | -6.45 | -0.63 |
| 1760 | 20.79 | -6.82 | -3.51 | 2060 | 22.13 | -6.55 | -0.63 |
| 1770 | 21.93 | -6.59 | -2.84 | 2070 | 21.68 | -6.64 | -0.61 |
| 1780 | 22.98 | -6.39 | -2.46 | 2080 | 21.57 | -6.66 | -0.48 |
| 1790 | 22.49 | -6.48 | -2.2 | 2090 | 21.65 | -6.64 | -0.36 |
| 1800 | 22.85 | -6.41 | -2 | 2100 | 22 | -6.58 | -0.24 |
| 1810 | 24.36 | -6.13 | -1.46 | 2110 | 21.46 | -6.68 | -0.39 |
| 1820 | 24.9 | -6.04 | -1.19 | 2120 | 21.59 | -6.66 | -0.44 |
| 1830 | 24.52 | -6.11 | -1.19 | 2130 | 22.52 | -6.47 | -0.34 |
| 1840 | 24.74 | -6.07 | -1.07 | 2140 | 23.3 | -6.33 | -0.3 |
| 1850 | 25.15 | -5.99 | -0.99 | 2150 | 24.52 | -6.11 | -0.14 |
| 1860 | 25.63 | -5.91 | -0.96 | 2160 | 26.38 | -5.79 | 0.12 |
| 1870 | 25.09 | -6 | -1.1 | 2170 | 28.01 | -5.53 | 0.39 |
| 1880 | 24.69 | -6.08 | -1.15 | 2180 | 29.38 | -5.32 | 0.57 |
| 1890 | 24.91 | -6.04 | -1.1 | 2190 | 29.76 | -5.26 | 0.76 |
| 1900 | 24.33 | -6.14 | -1.2 | 2200 | 30.26 | -5.19 | 0.86 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 2210 | 31.14 | -5.07 | 1.01 | 2510 | 32.24 | -4.92 | 1.01 |
| 2220 | 31 | -5.09 | 1.14 | 2520 | 32.12 | -4.93 | 1.07 |
| 2230 | 32.07 | -4.94 | 1.41 | 2530 | 31.41 | -5.03 | 0.96 |
| 2240 | 32.71 | -4.85 | 1.6 | 2540 | 31.16 | -5.06 | 1 |
| 2250 | 33.55 | -4.74 | 1.66 | 2550 | 30.75 | -5.12 | 0.88 |
| 2260 | 34.28 | -4.65 | 1.76 | 2560 | 30.06 | -5.22 | 0.83 |
| 2270 | 34.64 | -4.6 | 1.67 | 2570 | 30.44 | -5.17 | 0.99 |
| 2280 | 32.53 | -4.88 | 1.72 | 2580 | 30.72 | -5.13 | 1.1 |
| 2290 | 33.48 | -4.75 | 1.67 | 2590 | 31.63 | -5 | 1.27 |
| 2300 | 33.6 | -4.74 | 1.57 | 2600 | 32.34 | -4.9 | 1.34 |
| 2310 | 34.04 | -4.68 | 1.71 | 2610 | 32.4 | -4.9 | 1.55 |
| 2320 | 34.58 | -4.61 | 1.69 | 2620 | 31.6 | -5 | 1.43 |
| 2330 | 35.2 | -4.53 | 1.73 | 2630 | 31.23 | -5.05 | 1.37 |
| 2340 | 34.5 | -4.62 | 1.64 | 2640 | 31.5 | -5.02 | 1.31 |
| 2350 | 34.08 | -4.67 | 1.58 | 2650 | 30.59 | -5.14 | 1.15 |
| 2360 | 34.34 | -4.64 | 1.66 | 2660 | 28.47 | -5.46 | 0.77 |
| 2370 | 33.8 | -4.71 | 1.66 | 2670 | 26.48 | -5.77 | 0.01 |
| 2380 | 33.67 | -4.73 | 1.58 | 2680 | 26.13 | -5.83 | 0.01 |
| 2390 | 32.03 | -4.94 | 1.53 | 2690 | 24.39 | -6.13 | -0.44 |
| 2400 | 31.99 | -4.95 | 1.6 | 2700 | 23.33 | -6.32 | -0.79 |
| 2410 | 31.88 | -4.96 | 1.54 |  |  |  |  |
| 2420 | 31.48 | -5.02 | 1.54 |  |  |  |  |
| 2430 | 31.53 | -5.01 | 1.47 |  |  |  |  |
| 2440 | 32.27 | -4.91 | 1.43 |  |  |  |  |
| 2450 | 33.37 | -4.77 | 1.15 |  |  |  |  |
| 2460 | 33.96 | -4.69 | 1.12 |  |  |  |  |
| 2470 | 34.1 | -4.67 | 1.24 |  |  |  |  |
| 2480 | 34.38 | -4.64 | 1.32 |  |  |  |  |
| 2490 | 33.66 | -4.73 | 1.23 |  |  |  |  |
| 2500 | 32.86 | -4.83 | 0.98 |  |  |  |  |

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## 3.2.12 OTA Passive Efficiency&Gain Test--B20--diversity:

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) |
|---|---|---|---|---|---|---|---|---|
| 790 | 21.97 | -6.58 | -3.47 | 1910 | 23.49 | -6.29 | -1.63 | 2230 |
| 800 | 27.88 | -5.55 | -2.5 | 1920 | 23.17 | -6.35 | -1.68 | 2240 |
| 810 | 29.69 | -5.27 | -2.41 | 1930 | 23 | -6.38 | -1.72 | 2250 |
| 820 | 31.92 | -4.96 | -2 | 1940 | 23.3 | -6.33 | -1.39 | 2260 |
| 830 | 29.8 | -5.26 | -2.18 | 1950 | 22.68 | -6.44 | -1.08 | 2270 |
| 840 | 26.55 | -5.76 | -2.46 | 1960 | 22.27 | -6.52 | -1.13 | 2280 |
| 850 | 28.56 | -5.44 | -2.07 | 1970 | 23.51 | -6.29 | -0.62 | 2290 |
| 860 | 25.51 | -5.93 | -2.5 | 1980 | 24.16 | -6.17 | -0.5 | 2300 |
| 870 | 22.92 | -6.4 | -2.5 | 1990 | 23.15 | -6.35 | -0.43 | 2310 |
| 880 | 20.57 | -6.87 | -3.27 | 2000 | 22.73 | -6.43 | -0.52 | 2320 |
| | | | | 2010 | 23.33 | -6.32 | -0.74 | 2330 |
| 1700 | 28.71 | -5.42 | -1.3 | 2020 | 24.67 | -6.08 | -0.44 | 2340 |
| 1710 | 26.56 | -5.76 | -1.79 | 2030 | 23.94 | -6.21 | -0.39 | 2350 |
| 1720 | 25.05 | -6.01 | -2.15 | 2040 | 22.95 | -6.39 | -0.47 | 2360 |
| 1730 | 24.77 | -6.06 | -2.21 | 2050 | 23.38 | -6.31 | -0.32 | 2370 |
| 1740 | 24.26 | -6.15 | -2.3 | 2060 | 22.97 | -6.39 | -0.37 | 2380 |
| 1750 | 22.77 | -6.43 | -2.47 | 2070 | 22.67 | -6.45 | -0.32 | 2390 |
| 1760 | 22.77 | -6.43 | -2.53 | 2080 | 22.73 | -6.43 | -0.2 | 2400 |
| 1770 | 24.12 | -6.18 | -2.26 | 2090 | 23.27 | -6.33 | -0.06 | 2410 |
| 1780 | 25.33 | -5.96 | -2.12 | 2100 | 24.09 | -6.18 | 0.07 | 2420 |
| 1790 | 24.53 | -6.1 | -2.31 | 2110 | 24.22 | -6.16 | 0.13 | 2430 |
| 1800 | 24.64 | -6.08 | -2.21 | 2120 | 24.95 | -6.03 | 0.25 | 2440 |
| 1810 | 25.77 | -5.89 | -1.64 | 2130 | 26.38 | -5.79 | 0.47 | 2450 |
| 1820 | 25.8 | -5.88 | -1.33 | 2140 | 27.44 | -5.62 | 0.62 | 2460 |
| 1830 | 24.8 | -6.06 | -1.36 | 2150 | 28.77 | -5.41 | 0.83 | 2470 |
| 1840 | 24.44 | -6.12 | -1.29 | 2160 | 30.66 | -5.13 | 1.04 | 2480 |
| 1850 | 24.4 | -6.13 | -1.34 | 2170 | 31.96 | -4.95 | 1.27 | 2490 |
| 1860 | 24.63 | -6.09 | -1.28 | 2180 | 32.8 | -4.84 | 1.42 | 2500 |
| 1870 | 24.03 | -6.19 | -1.48 | 2190 | 32.84 | -4.84 | 1.51 | 2510 |
| 1880 | 23.79 | -6.24 | -1.54 | 2200 | 33.15 | -4.8 | 1.65 | 2520 |
| 1890 | 24.28 | -6.15 | -1.51 | 2210 | 33.64 | -4.73 | 1.82 | 2530 |
| 1900 | 24.05 | -6.19 | -1.51 | 2220 | 33.01 | -4.81 | 1.77 | 2540 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 2230 | 33.78 | -4.71 | 1.81 | 2550 | 30.01 | -5.23 | 1.01 |
| 2240 | 34.15 | -4.67 | 1.88 | 2560 | 29.38 | -5.32 | 1.05 |
| 2250 | 34.79 | -4.59 | 1.94 | 2570 | 29.84 | -5.25 | 1.13 |
| 2260 | 35.18 | -4.54 | 2.03 | 2580 | 30.31 | -5.18 | 1.23 |
| 2270 | 35.5 | -4.5 | 2.17 | 2590 | 31.19 | -5.06 | 1.35 |
| 2280 | 33.3 | -4.78 | 1.79 | 2600 | 32.2 | -4.92 | 1.37 |
| 2290 | 34.03 | -4.68 | 1.97 | 2610 | 32.1 | -4.93 | 1.38 |
| 2300 | 34.08 | -4.67 | 2 | 2620 | 31.57 | -5.01 | 1.23 |
| 2310 | 34.42 | -4.63 | 2.07 | 2630 | 31.13 | -5.07 | 1.12 |
| 2320 | 34.81 | -4.58 | 2.01 | 2640 | 31.3 | -5.05 | 1.08 |
| 2330 | 35.17 | -4.54 | 1.96 | 2650 | 30.56 | -5.15 | 0.95 |
| 2340 | 34.37 | -4.64 | 1.9 | 2660 | 28.4 | -5.47 | 0.54 |
| 2350 | 33.94 | -4.69 | 2.01 | 2670 | 26.31 | -5.8 | -0.12 |
| 2360 | 33.99 | -4.69 | 2 | 2680 | 26.03 | -5.84 | -0.08 |
| 2370 | 33.59 | -4.74 | 1.98 | 2690 | 24.43 | -6.12 | -0.41 |
| 2380 | 33.39 | -4.76 | 1.85 | 2700 | 23.17 | -6.35 | -0.67 |
| 2390 | 31.93 | -4.96 | 1.66 | | | | |
| 2400 | 31.88 | -4.96 | 1.62 | | | | |
| 2410 | 31.61 | -5 | 1.51 | | | | |
| 2420 | 31.19 | -5.06 | 1.43 | | | | |
| 2430 | 31.19 | -5.06 | 1.21 | | | | |
| 2440 | 31.91 | -4.96 | 1.09 | | | | |
| 2450 | 32.87 | -4.83 | 1.08 | | | | |
| 2460 | 33.34 | -4.77 | 1.09 | | | | |
| 2470 | 33.49 | -4.75 | 1.32 | | | | |
| 2480 | 33.66 | -4.73 | 1.23 | | | | |
| 2490 | 32.92 | -4.83 | 1.18 | | | | |
| 2500 | 32.16 | -4.93 | 0.99 | | | | |
| 2510 | 31.52 | -5.01 | 1.13 | | | | |
| 2520 | 31.38 | -5.03 | 1.22 | | | | |
| 2530 | 30.63 | -5.14 | 1.07 | | | | |
| 2540 | 30.44 | -5.17 | 1.15 | | | | |

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## 3.2.13 OTA Passive Efficiency&Gain Test--B71--diversity:

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 620 | 13.27 | -8.77 | -5.27 | 1910 | 26.73 | -5.73 | -0.85 |
| 630 | 12.97 | -8.87 | -5.53 | 1920 | 26.44 | -5.78 | -0.7 |
| 640 | 15.22 | -8.18 | -4.59 | 1930 | 26.41 | -5.78 | -0.46 |
| 650 | 14.86 | -8.28 | -4.07 | 1940 | 26.73 | -5.73 | -0.2 |
| 660 | 13.76 | -8.61 | -5.41 | 1950 | 26.15 | -5.83 | -0.1 |
| 670 | 13.8 | -8.6 | -5.15 | 1960 | 25.6 | -5.92 | -0.23 |
| 680 | 13.2 | -8.79 | -5.36 | 1970 | 27.12 | -5.67 | 0.2 |
| | | | | 1980 | 28 | -5.53 | 0.27 |
| 1700 | 28.33 | -5.48 | -2.13 | 1990 | 26.97 | -5.69 | 0.26 |
| 1710 | 26.13 | -5.83 | -2.1 | 2000 | 26.55 | -5.76 | 0.29 |
| 1720 | 24.71 | -6.07 | -2.38 | 2010 | 27.22 | -5.65 | 0.09 |
| 1730 | 24.26 | -6.15 | -2.11 | 2020 | 28.74 | -5.41 | -0.13 |
| 1740 | 23.72 | -6.25 | -2.11 | 2030 | 27.82 | -5.56 | -0.27 |
| 1750 | 22.51 | -6.48 | -2.26 | 2040 | 26.59 | -5.75 | -0.42 |
| 1760 | 22.9 | -6.4 | -2.07 | 2050 | 26.98 | -5.69 | -0.42 |
| 1770 | 24.54 | -6.1 | -1.91 | 2060 | 26.42 | -5.78 | -0.49 |
| 1780 | 25.92 | -5.86 | -1.45 | 2070 | 26.08 | -5.84 | -0.57 |
| 1790 | 25.54 | -5.93 | -1.72 | 2080 | 26.39 | -5.79 | -0.53 |
| 1800 | 26.04 | -5.84 | -1.35 | 2090 | 27.25 | -5.65 | -0.33 |
| 1810 | 27.9 | -5.54 | -1.13 | 2100 | 28.38 | -5.47 | -0.23 |
| 1820 | 28.54 | -5.44 | -0.8 | 2110 | 28.71 | -5.42 | -0.19 |
| 1830 | 28.04 | -5.52 | -0.91 | 2120 | 29.63 | -5.28 | -0.01 |
| 1840 | 28.31 | -5.48 | -0.9 | 2130 | 31.51 | -5.01 | 0.31 |
| 1850 | 28.61 | -5.43 | -0.89 | 2140 | 32.93 | -4.82 | 0.49 |
| 1860 | 28.94 | -5.38 | -0.87 | 2150 | 34.66 | -4.6 | 0.76 |
| 1870 | 28.26 | -5.49 | -1.11 | 2160 | 36.96 | -4.32 | 1.08 |
| 1880 | 27.86 | -5.55 | -1.23 | 2170 | 38.5 | -4.15 | 1.36 |
| 1890 | 28.34 | -5.48 | -1.09 | 2180 | 39.47 | -4.04 | 1.58 |
| 1900 | 27.69 | -5.58 | -0.82 | 2190 | 39.21 | -4.07 | 1.6 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 2200 | 39.78 | -4 | 1.71 | 2490 | 40.85 | -3.89 | 2.43 |
| 2210 | 40.49 | -3.93 | 1.79 | 2500 | 40.38 | -3.94 | 2.28 |
| 2220 | 39.92 | -3.99 | 1.72 | 2510 | 40.12 | -3.97 | 2.33 |
| 2230 | 40.71 | -3.9 | 1.75 | 2520 | 40.6 | -3.91 | 2.3 |
| 2240 | 41.31 | -3.84 | 1.88 | 2530 | 39.9 | -3.99 | 2.39 |
| 2250 | 42.1 | -3.76 | 2.05 | 2540 | 39.87 | -3.99 | 2.29 |
| 2260 | 42.52 | -3.71 | 2.12 | 2550 | 38.95 | -4.09 | 2.35 |
| 2270 | 42.66 | -3.7 | 2.24 | 2560 | 37.85 | -4.22 | 2.04 |
| 2280 | 39.49 | -4.04 | 1.75 | 2570 | 38.03 | -4.2 | 2.02 |
| 2290 | 40.1 | -3.97 | 1.85 | 2580 | 37.84 | -4.22 | 1.66 |
| 2300 | 39.9 | -3.99 | 1.73 | 2590 | 38.32 | -4.17 | 1.49 |
| 2310 | 40.4 | -3.94 | 1.73 | 2600 | 38.57 | -4.14 | 1.42 |
| 2320 | 40.83 | -3.89 | 1.93 | 2610 | 37.69 | -4.24 | 1.35 |
| 2330 | 41.48 | -3.82 | 2.27 | 2620 | 35.99 | -4.44 | 1.21 |
| 2340 | 40.59 | -3.92 | 2.26 | 2630 | 34.93 | -4.57 | 1.05 |
| 2350 | 40.04 | -3.98 | 2.39 | 2640 | 34.73 | -4.59 | 1.16 |
| 2360 | 40.35 | -3.94 | 2.42 | 2650 | 33.47 | -4.75 | 0.99 |
| 2370 | 40.03 | -3.98 | 2.27 | 2660 | 30.88 | -5.1 | 0.75 |
| 2380 | 39.73 | -4.01 | 2.11 | 2670 | 28.64 | -5.43 | 0.34 |
| 2390 | 37.5 | -4.26 | 1.85 | 2680 | 28.43 | -5.46 | 0.56 |
| 2400 | 37.34 | -4.28 | 1.84 | 2690 | 26.82 | -5.72 | 0.41 |
| 2410 | 36.87 | -4.33 | 1.62 | 2700 | 25.82 | -5.88 | 0.39 |
| 2420 | 36.6 | -4.37 | 1.51 | | | | |
| 2430 | 36.57 | -4.37 | 1.29 | | | | |
| 2440 | 37.55 | -4.25 | 1.46 | | | | |
| 2450 | 38.72 | -4.12 | 1.7 | | | | |
| 2460 | 39.57 | -4.03 | 2.09 | | | | |
| 2470 | 40.38 | -3.94 | 2.28 | | | | |
| 2480 | 41.13 | -3.86 | 2.57 | | | | |

## 3.2.14 OTA Passive Efficiency&Gain Test--BT&WIFI&GPS:

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 1540 | 34.41 | -4.63 | -0.49 | 2400 | 45.16 | -3.45 | 0.08 |
| 1550 | 36.62 | -4.36 | -0.24 | 2410 | 44.21 | -3.54 | -0.01 |
| 1560 | 38.43 | -4.15 | 0.3 | 2420 | 44.01 | -3.56 | 0.07 |
| 1570 | 40.53 | -3.92 | 0.68 | 2430 | 44.04 | -3.56 | 0.3 |
| 1580 | 40.88 | -3.88 | 0.72 | 2440 | 43.54 | -3.61 | 0.32 |
| 1590 | 40.59 | -3.92 | 0.83 | 2450 | 42.76 | -3.69 | 0.43 |
| | | | | 2460 | 42.96 | -3.67 | 0.46 |
| | | | | 2470 | 43.85 | -3.58 | 0.71 |
| | | | | 2480 | 42.69 | -3.7 | 0.66 |
| | | | | 2490 | 41.89 | -3.78 | 0.73 |
| | | | | 2500 | 42.51 | -3.71 | 0.86 |

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) | Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|---|---|---|---|
| 5100 | 56.35 | -2.49 | 3.48 | 5390 | 51.37 | -2.89 | 2.92 |
| 5110 | 53.53 | -2.71 | 3.12 | 5400 | 50.45 | -2.97 | 2.85 |
| 5120 | 52.18 | -2.82 | 3.04 | 5410 | 53.17 | -2.74 | 2.96 |
| 5130 | 53.31 | -2.73 | 3.09 | 5420 | 54.71 | -2.62 | 3.25 |
| 5140 | 50.38 | -2.98 | 2.93 | 5430 | 56.51 | -2.48 | 3.18 |
| 5150 | 47.52 | -3.23 | 2.63 | 5440 | 54.77 | -2.61 | 2.96 |
| 5160 | 46.14 | -3.36 | 2.39 | 5450 | 56.25 | -2.5 | 3.06 |
| 5170 | 47.2 | -3.26 | 2.57 | 5460 | 57.98 | -2.37 | 3.28 |
| 5180 | 45.64 | -3.41 | 2.35 | 5470 | 59.7 | -2.24 | 3.35 |
| 5190 | 43.93 | -3.57 | 2.12 | 5480 | 58.12 | -2.36 | 3.19 |
| 5200 | 45.91 | -3.38 | 2.46 | 5490 | 54.79 | -2.61 | 2.46 |
| 5210 | 45.83 | -3.39 | 2.33 | 5500 | 55.7 | -2.54 | 2.78 |
| 5220 | 47.76 | -3.21 | 2.48 | 5510 | 59.23 | -2.27 | 2.66 |
| 5230 | 47.72 | -3.21 | 2.29 | 5520 | 61.6 | -2.1 | 2.93 |
| 5240 | 49.64 | -3.04 | 2.7 | 5530 | 59.43 | -2.26 | 2.69 |
| 5250 | 50.55 | -2.96 | 2.58 | 5540 | 55.61 | -2.55 | 2.05 |
| 5260 | 52.55 | -2.79 | 2.72 | 5550 | 54.75 | -2.62 | 1.8 |
| 5270 | 52.67 | -2.78 | 2.63 | 5560 | 55.75 | -2.54 | 1.8 |
| 5280 | 52.68 | -2.78 | 2.79 | 5570 | 54.23 | -2.66 | 1.8 |
| 5290 | 54.51 | -2.64 | 2.89 | 5580 | 50.73 | -2.95 | 1.32 |
| 5300 | 53.57 | -2.71 | 2.93 | 5590 | 50.21 | -2.99 | 0.89 |
| 5310 | 54.23 | -2.66 | 3.13 | 5600 | 49.71 | -3.04 | 0.98 |
| 5320 | 52.12 | -2.83 | 3 | 5610 | 50.64 | -2.96 | 1.06 |
| 5330 | 52.2 | -2.82 | 3.06 | 5620 | 48.31 | -3.16 | 0.82 |
| 5340 | 52.83 | -2.77 | 3.09 | 5630 | 46.68 | -3.31 | 0.67 |
| 5350 | 53.35 | -2.73 | 3.02 | 5640 | 47.16 | -3.26 | 0.69 |
| 5360 | 50.35 | -2.98 | 2.76 | 5650 | 46.11 | -3.36 | 0.6 |
| 5370 | 50.3 | -2.98 | 2.9 | 5660 | 45.17 | -3.45 | 0.69 |
| 5380 | 52.73 | -2.78 | 3.13 | 5670 | 42.76 | -3.69 | 0.66 |

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## 3.2.15 OTA Passive Efficiency&Gain Test--BT&WIFI&GPS:

| Freq (MHz) | Effi (%) | Effi (dB) | Gain (dBi) |
|---|---|---|---|
| 5680 | 41.51 | -3.82 | 0.95 |
| 5690 | 41.53 | -3.82 | 0.85 |
| 5700 | 40.21 | -3.96 | 0.93 |
| 5710 | 38.05 | -4.2 | 0.97 |
| 5720 | 43.57 | -4.37 | 0.81 |
| 5730 | 44.79 | -4.23 | 0.79 |
| 5740 | 43.81 | -4.34 | 0.99 |
| 5750 | 42.54 | -4.49 | 0.73 |
| 5760 | 41.54 | -4.62 | 1.03 |
| 5770 | 40.21 | -4.79 | 0.56 |
| 5780 | 37.82 | -5.11 | 0.45 |
| 5790 | 37.58 | -5.15 | 0.53 |
| 5800 | 37.26 | -5.19 | 0 |
| 5810 | 34.16 | -5.66 | -0.36 |
| 5820 | 34.49 | -5.61 | -0.42 |
| 5830 | 34.13 | -5.67 | -0.5 |
| 5840 | 33.16 | -5.82 | -0.95 |
| 5850 | 31.2 | -6.16 | -1.44 |
| 5860 | 29.34 | -6.51 | -1.7 |
| 5870 | 29.73 | -6.43 | -1.51 |
| 5880 | 28.62 | -6.65 | -1.11 |
| 5890 | 27.21 | -6.94 | -1.42 |
| 5900 | 25.7 | -7.28 | -1.73 |
| 5910 | 24.29 | -7.62 | -2.04 |
| 5920 | 24.67 | -7.53 | -1.65 |
| 5930 | 23.99 | -7.7 | -2 |
| 5940 | 23.02 | -7.95 | -2.54 |
| 5950 | 21.79 | -8.3 | -2.27 |
| 5960 | 22.36 | -8.13 | -2.37 |
| 5970 | 22.55 | -8.08 | -2.12 |
| 5980 | 21.7 | -8.33 | -2.75 |
| 5990 | 21.44 | -8.41 | -3.06 |
| 6000 | 21.76 | -8.31 | -2.95 |

# 4、Attachment chart

## 4.1 VSWR parameter diagram--B850--MAIN
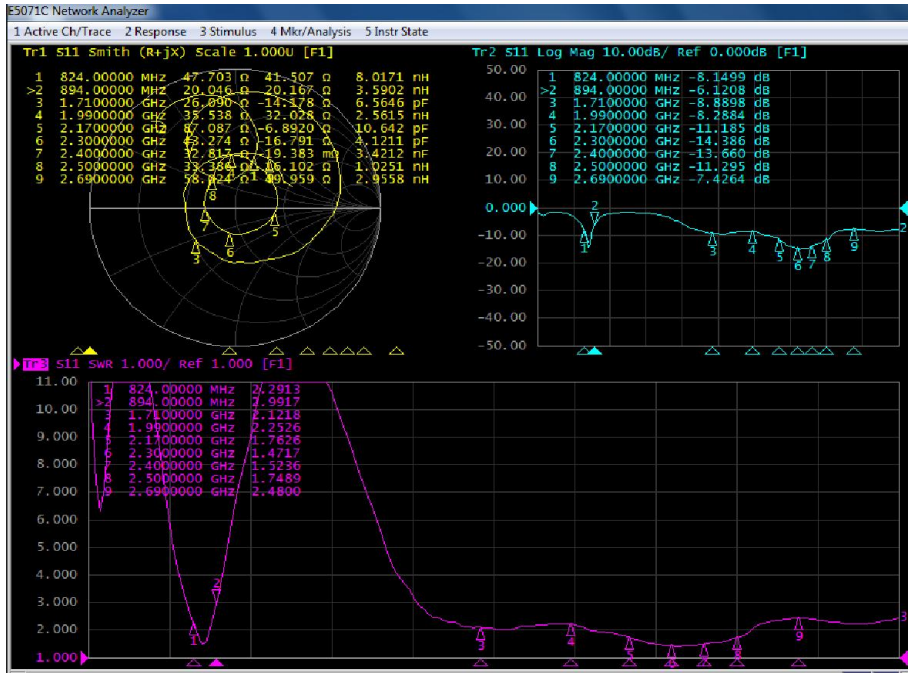


## 4.2 VSWR parameter diagram--B12--MAIN
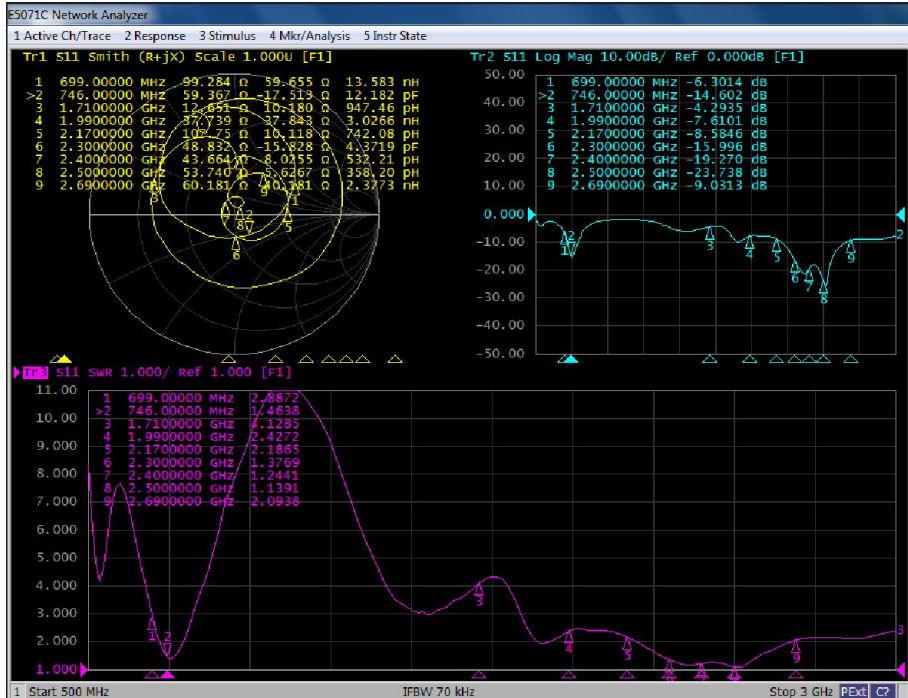
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## 4.3 VSWR parameter diagram--**B13**--MAIN
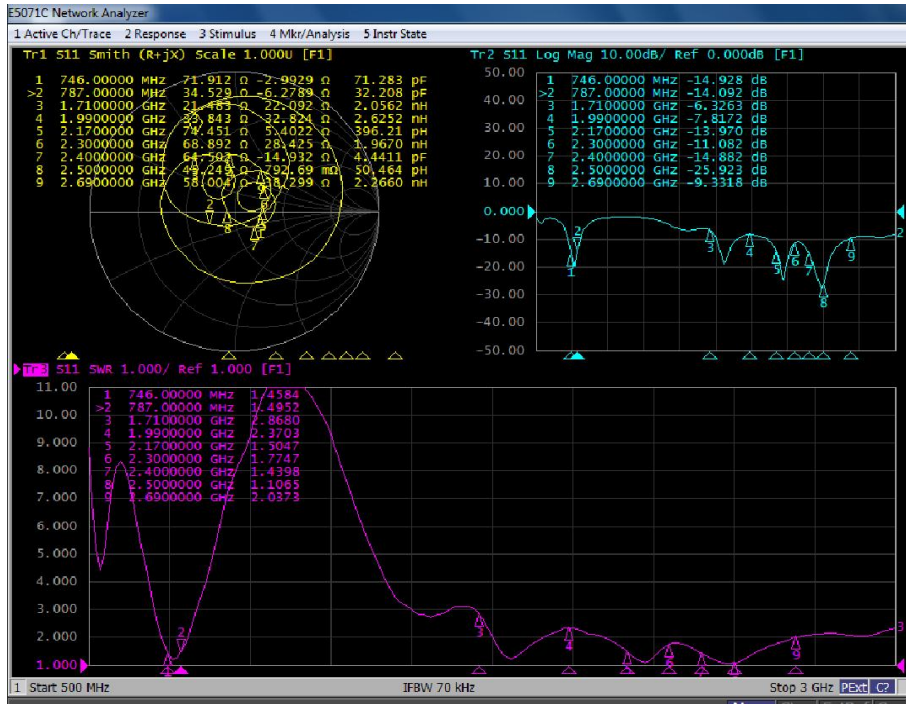


## 4.4 VSWR parameter diagram--**B20**--MAIN
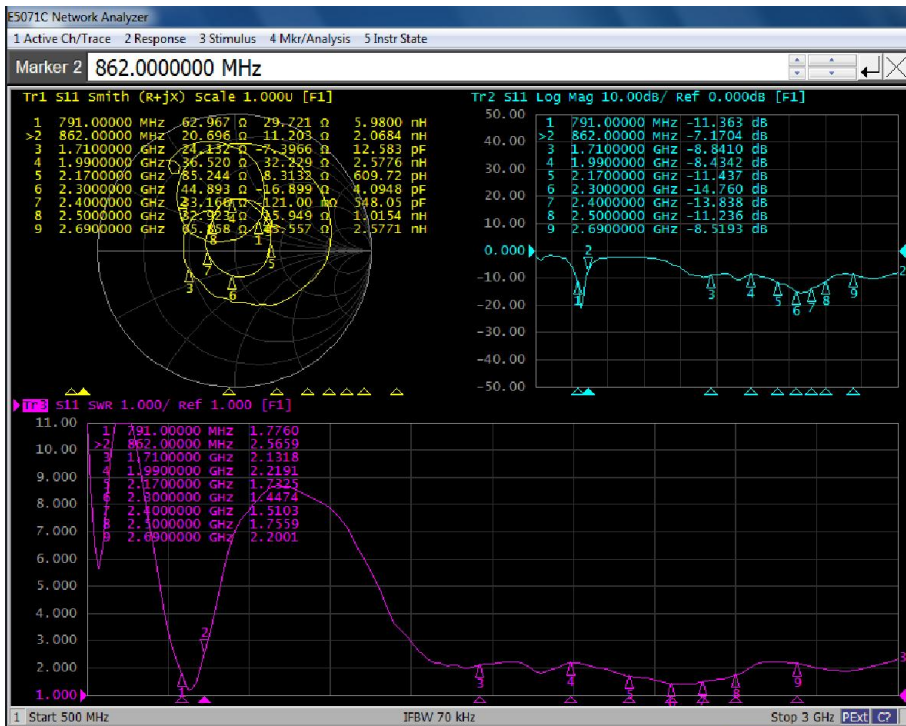
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## 4.5 VSWR parameter diagram--**B71**--**MAIN**
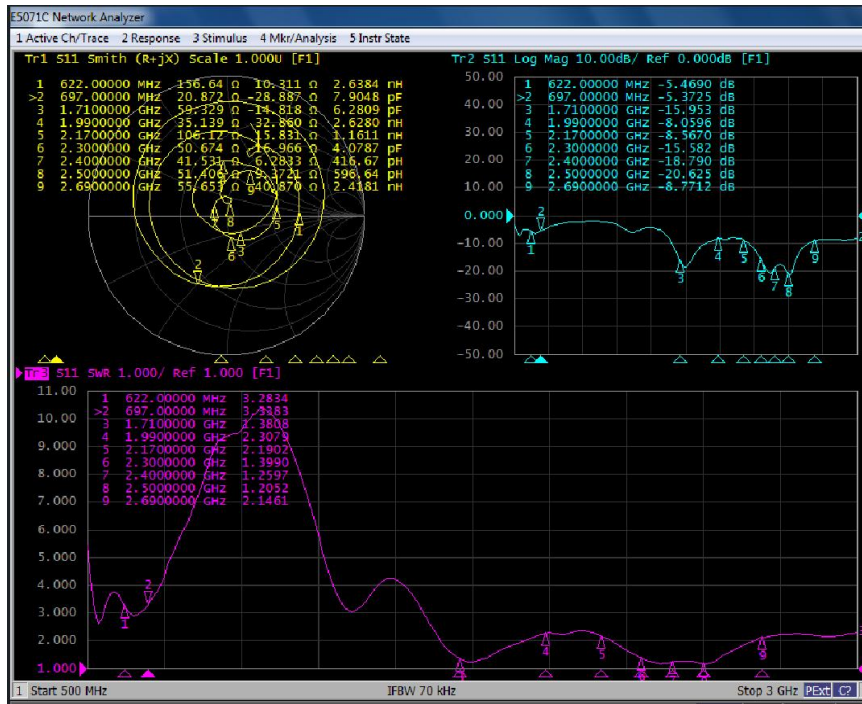


## 4.6  VSWR parameter diagram--**B850**--**diversity**
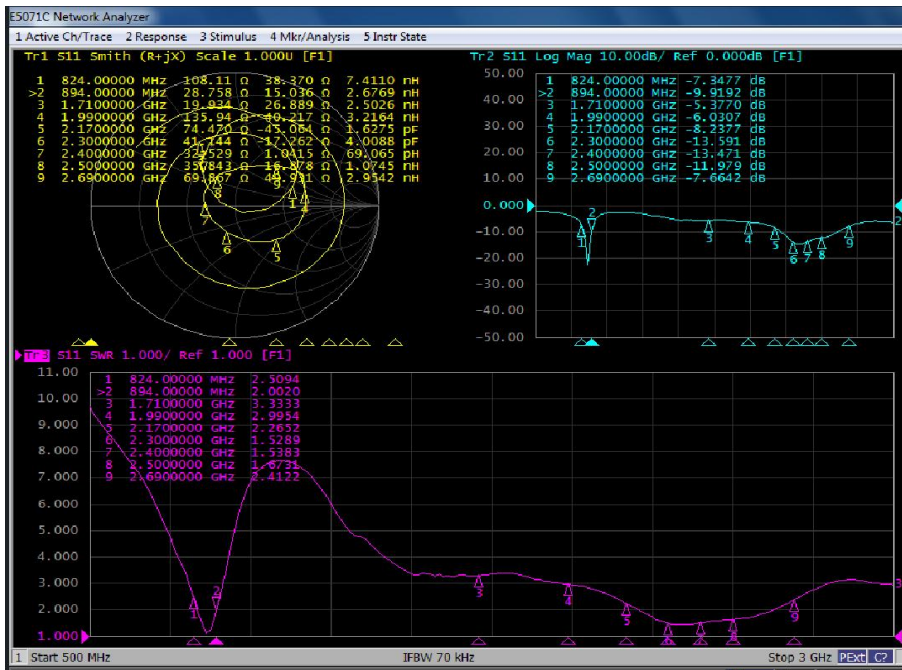
## 4.7    VSWR parameter diagram--B12--diversity
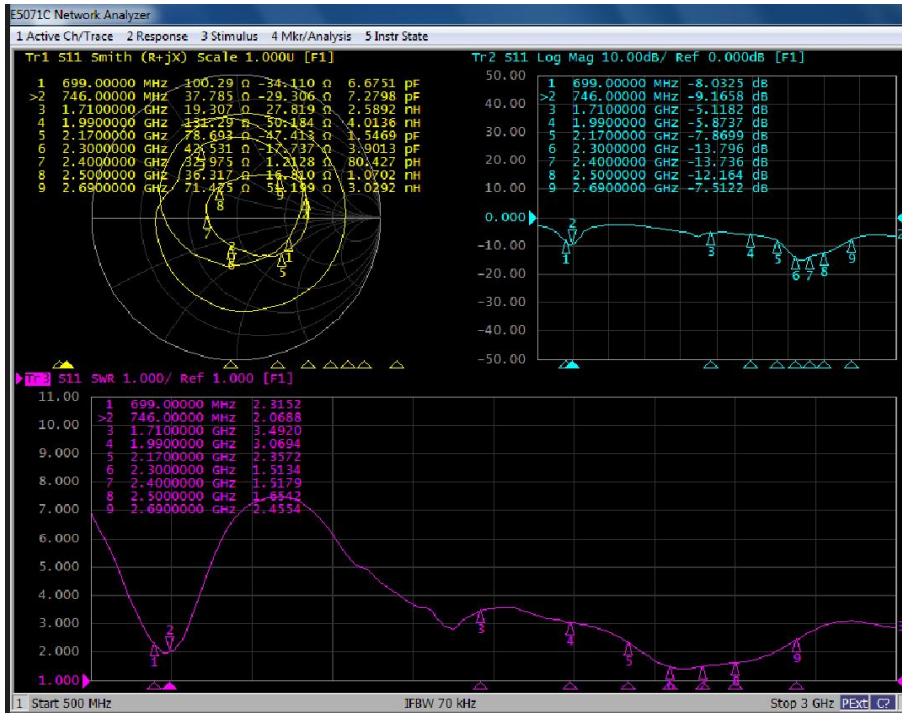

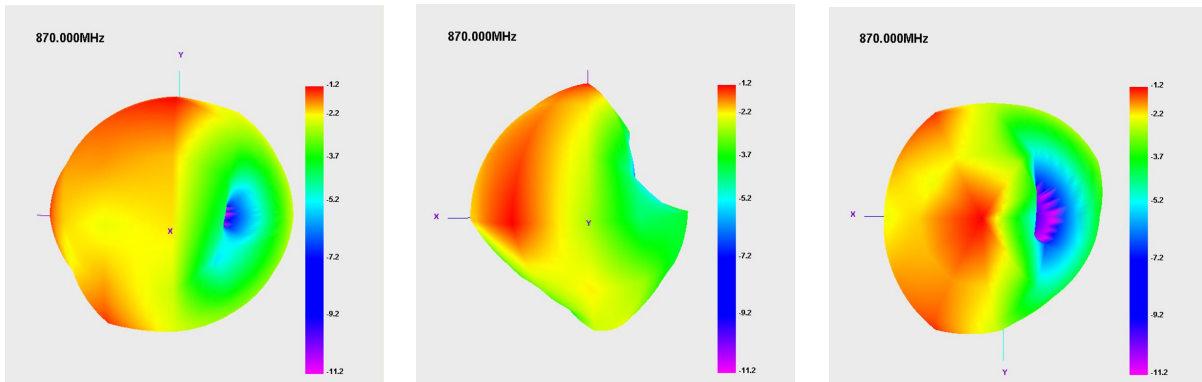
## 4.8    VSWR parameter diagram--B13--diversity
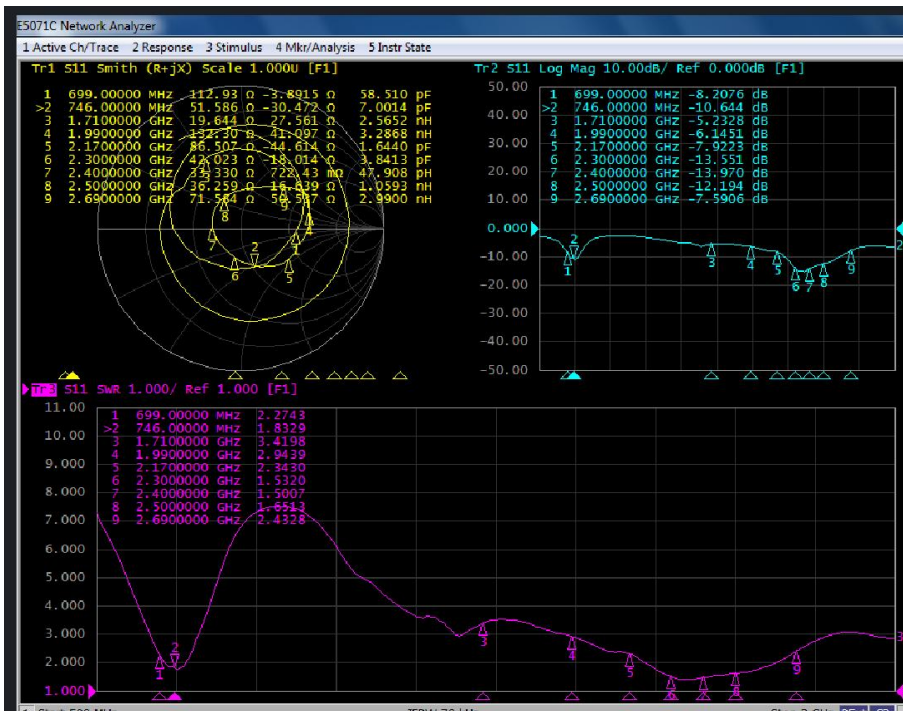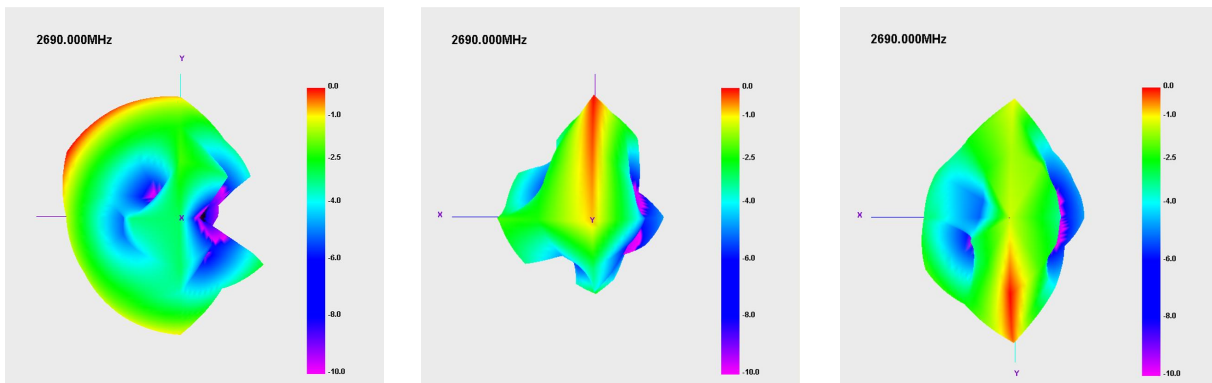
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## 4.9    VSWR parameter diagram--**B20**--diversity
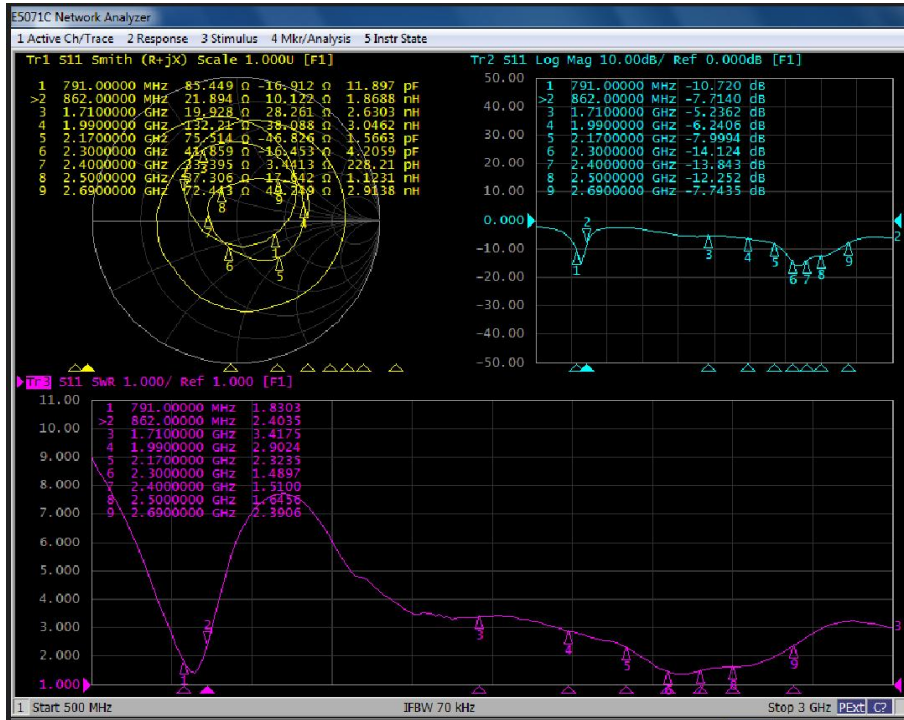


## 4.9.1    VSWR parameter diagram--**B71**--diversity
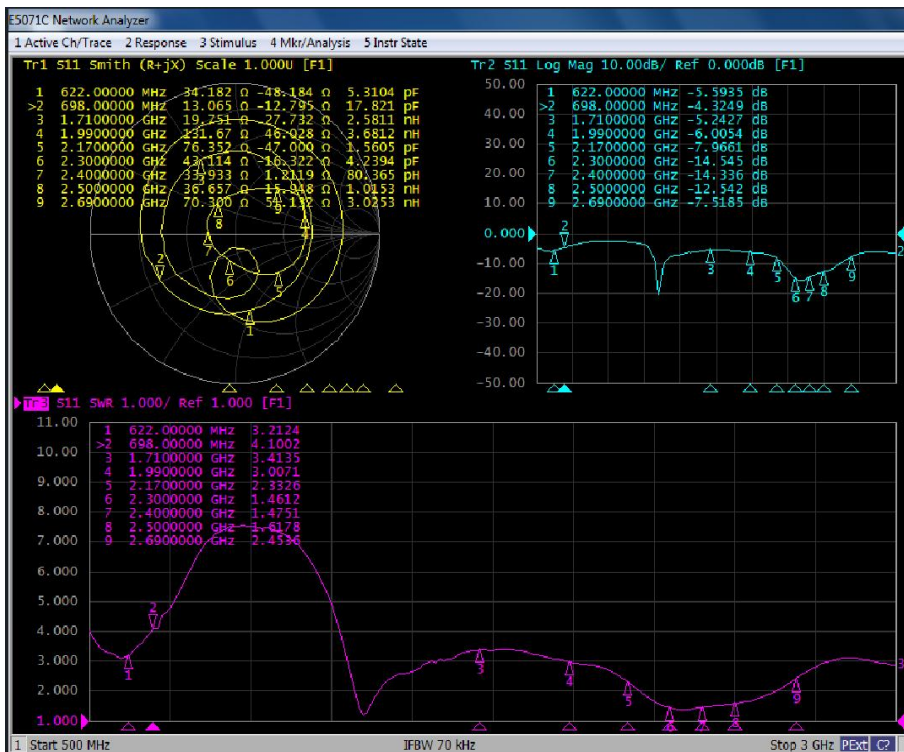
**Confidential requirement**

## 4.9.2 VSWR parameter diagram--BT&WIFI&GPS
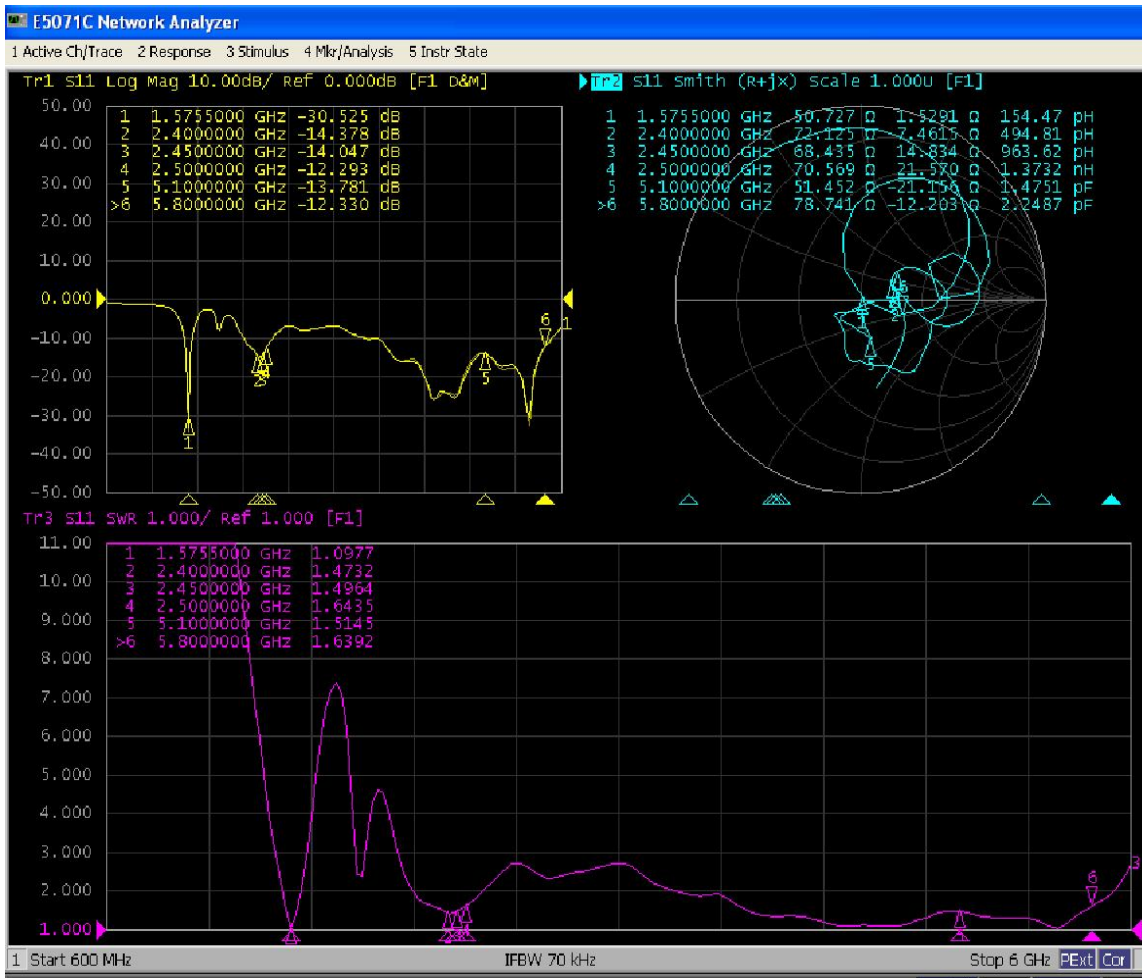
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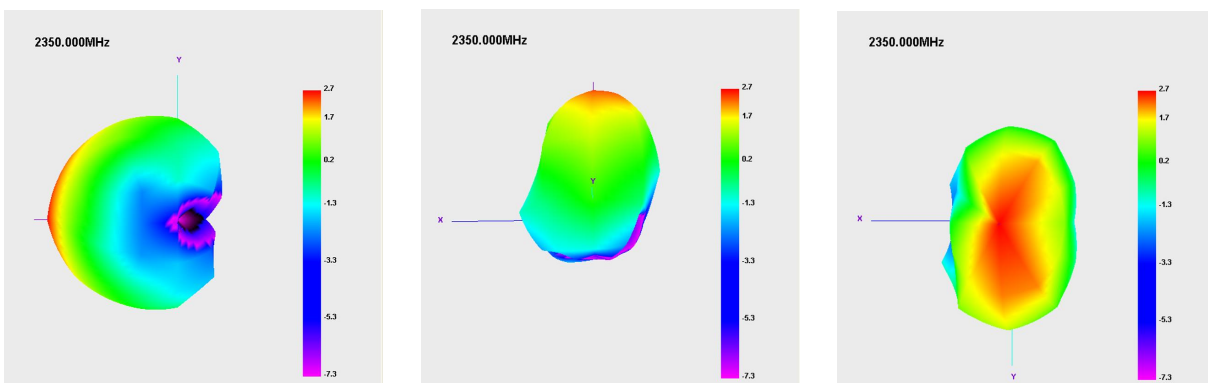
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# 5、Passive field pattern diagram--B5/18/19/26--830MHz--MAIN
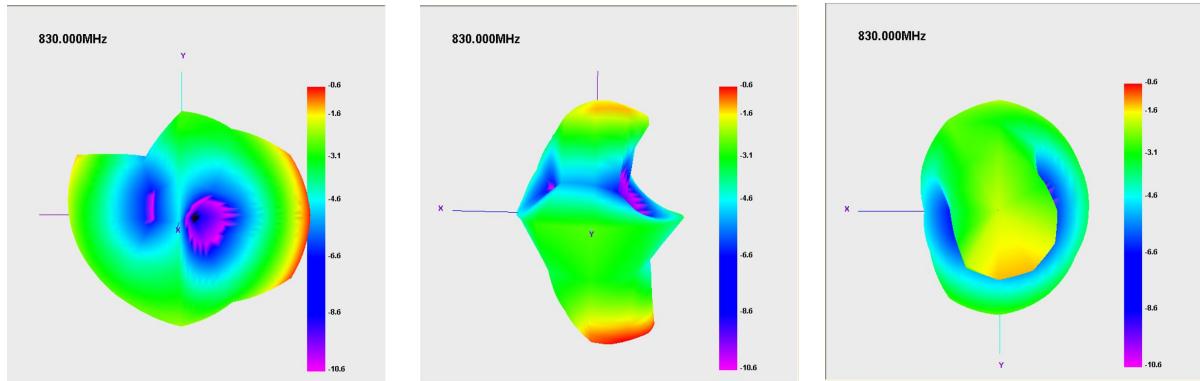


# 5.1、Passive field pattern diagram--B1--1920MHz--MAIN
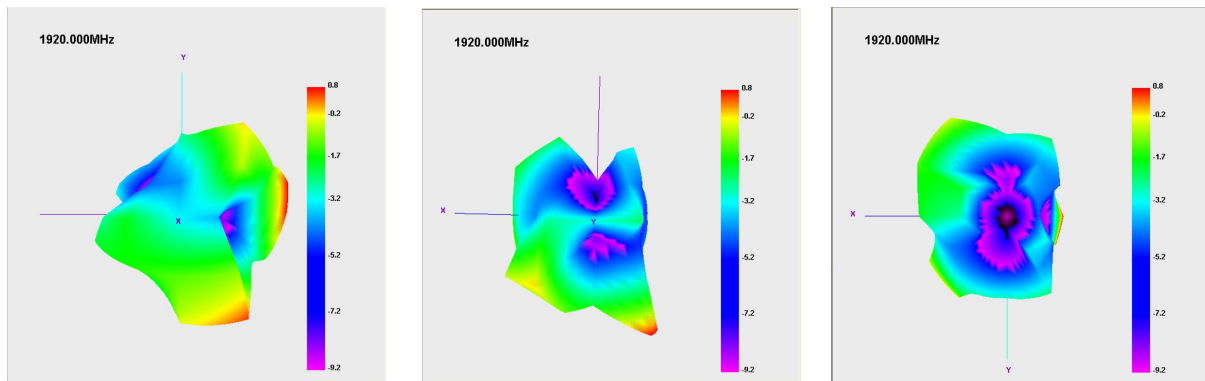


# 5.2、Passive field pattern diagram--B2/B5--1850MHz--MAIN
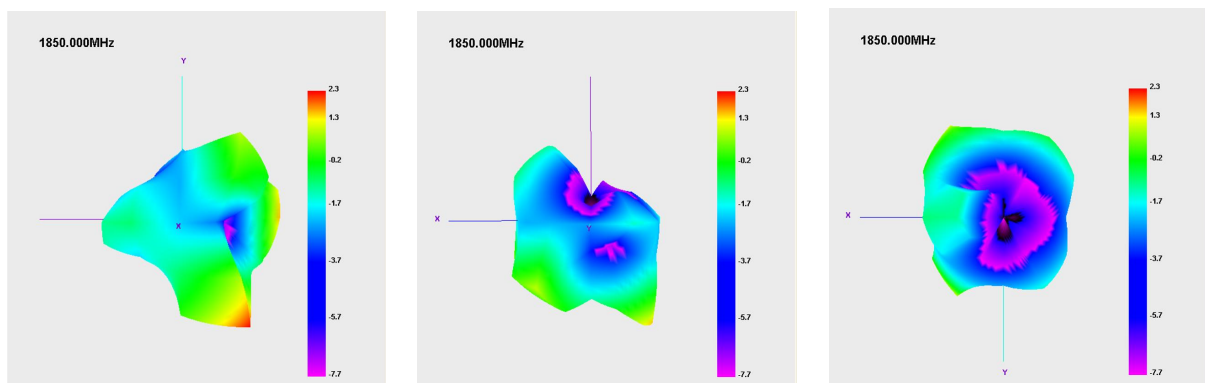
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## 5.3、Passive field pattern diagram--B3/4/66--1710MHz--MAIN
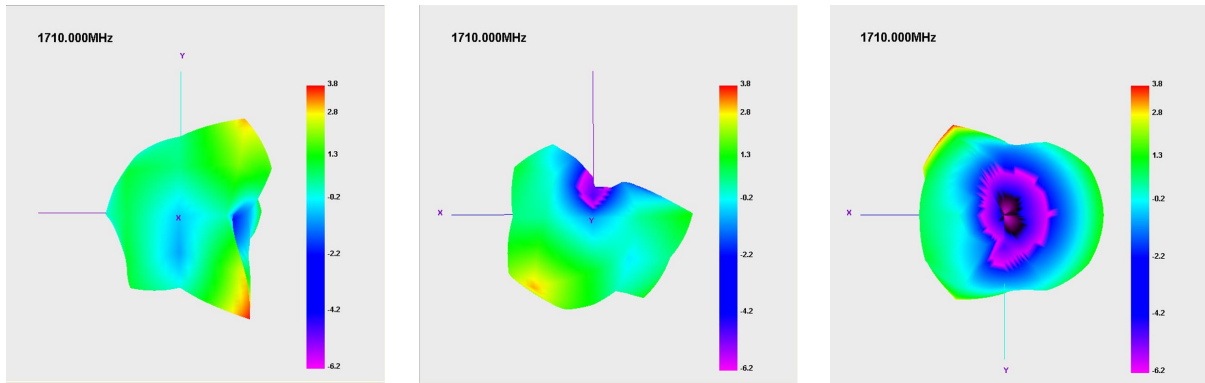


## 5.4、Passive field pattern diagram--B7/41--2500MHz--MAIN
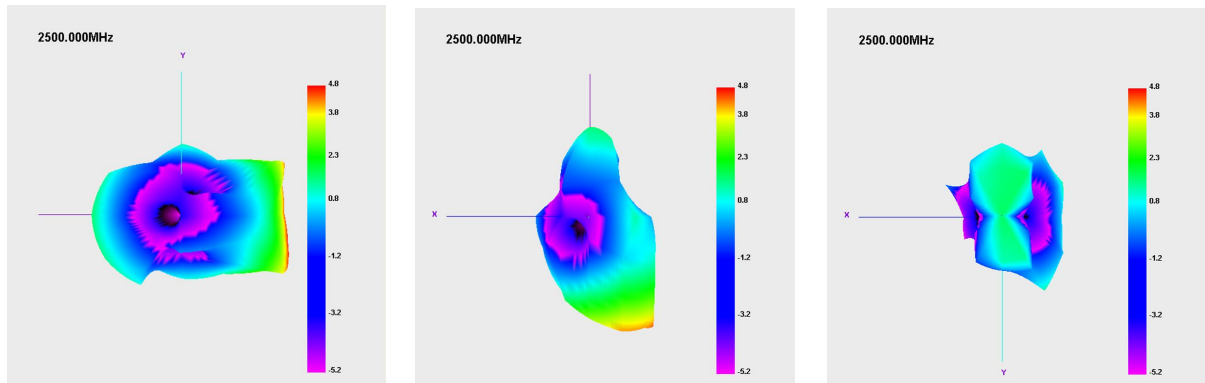


## 5.5、Passive field pattern diagram--B12/17--710MHz----MAIN
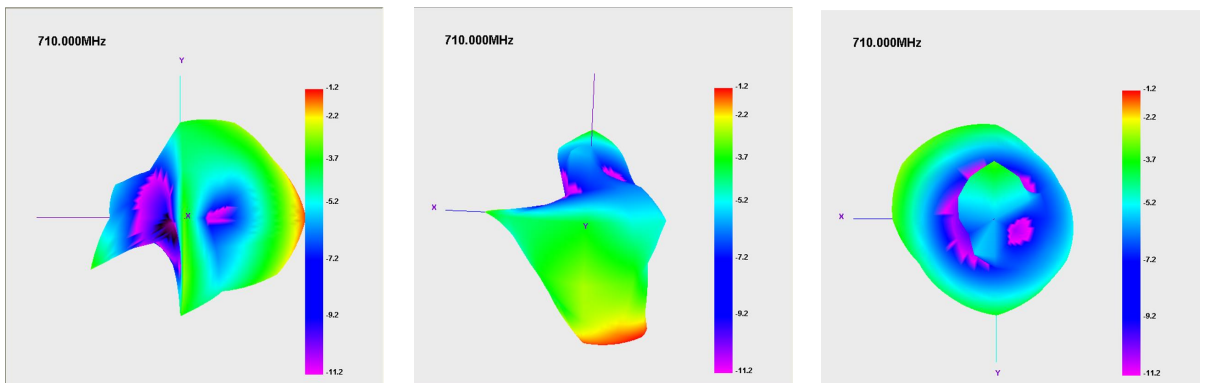
## 5.6、Passive field pattern diagram--B13/14--780MHz----**MAIN**
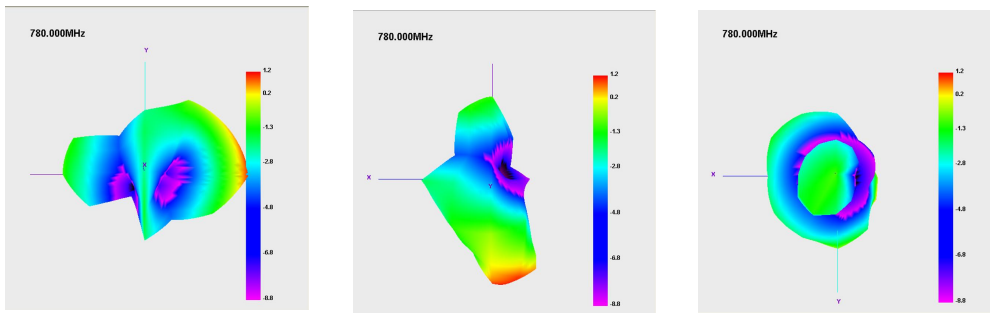


## 5.7、Passive field pattern diagram--B20--840MHz----**MAIN**
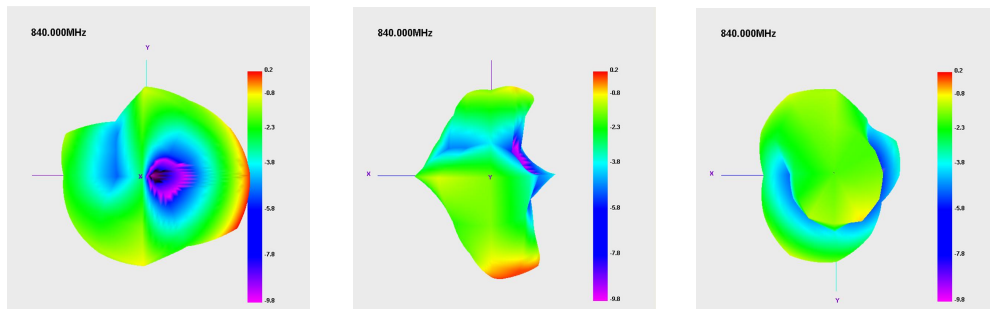


## 5.8、Passive field pattern diagram--B30--2310MHz----**MAIN**
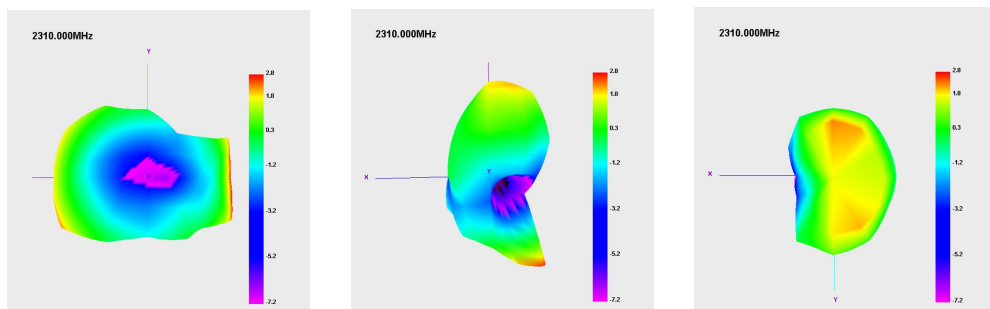


## 5.9、Passive field pattern diagram--B71--620MHz----**MAIN**
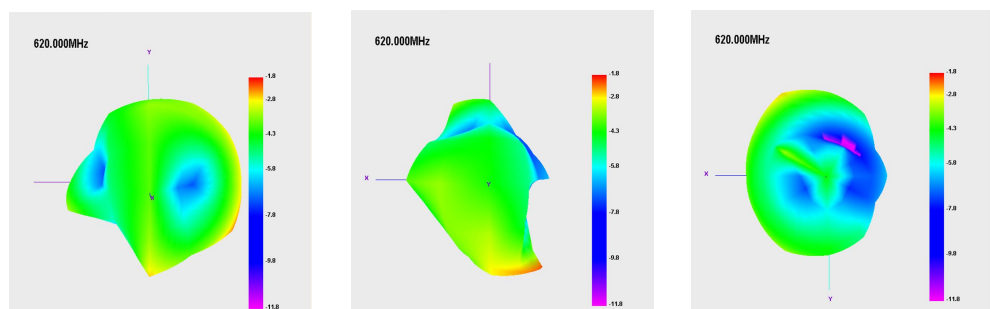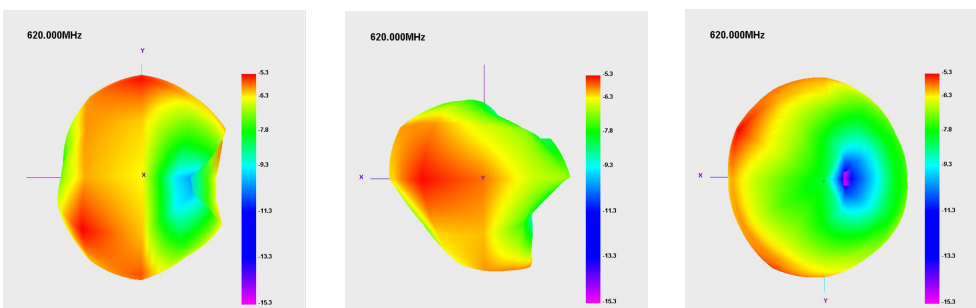
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## 6.0 Passive field pattern diagram--B1/4/66--2110MHz--diversity
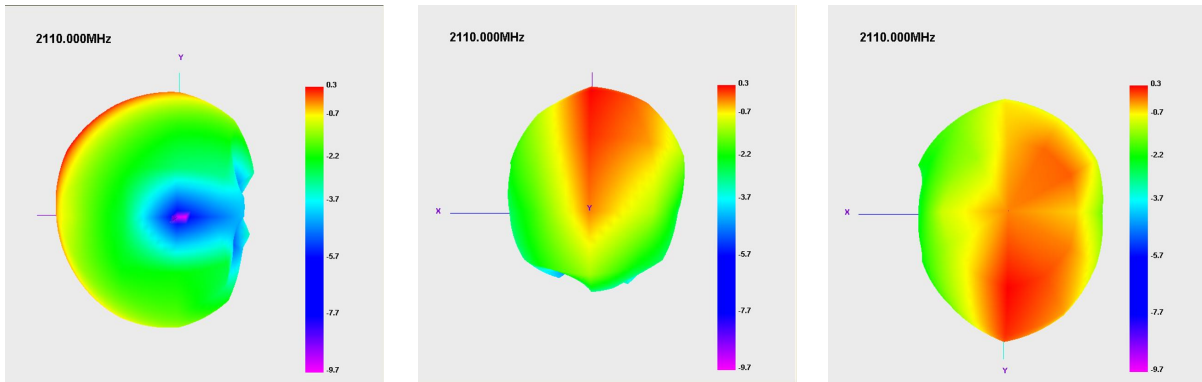


## 6.1、Passive field pattern diagram--B2/25--1930MHz--diversity
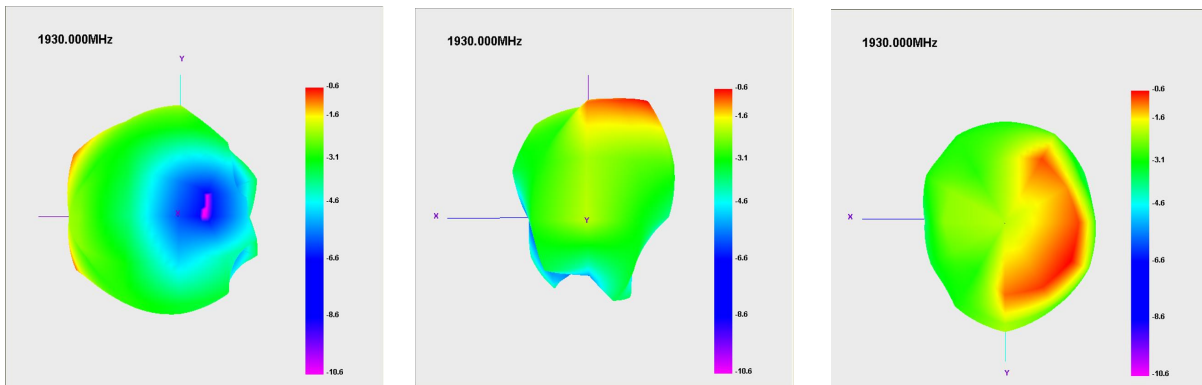


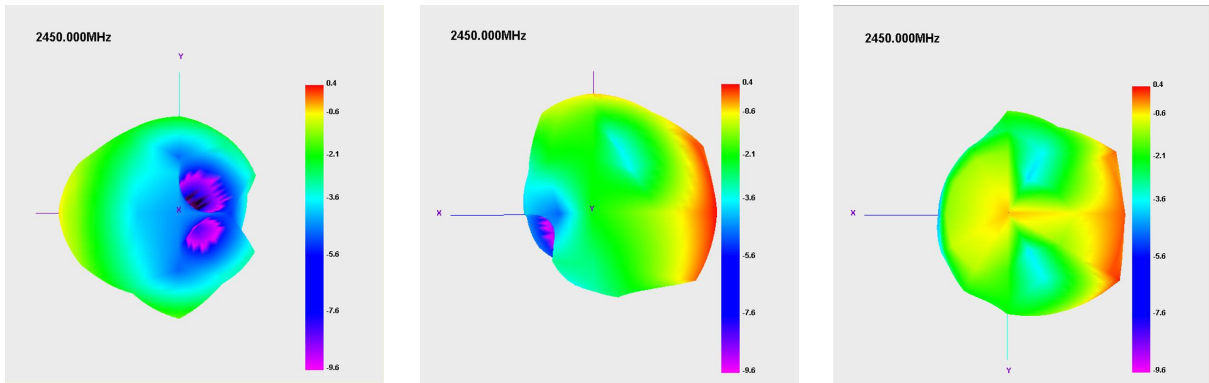## 6.2、Passive field pattern diagram--B3--1880MHz--diversity
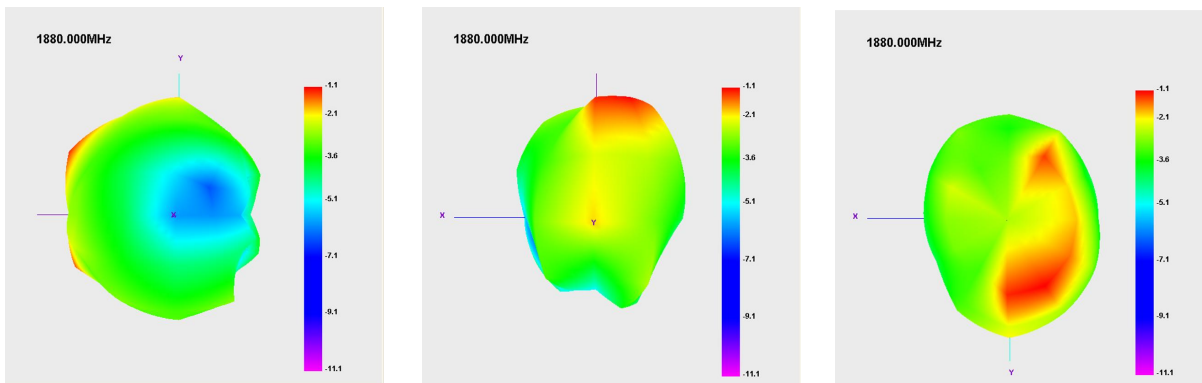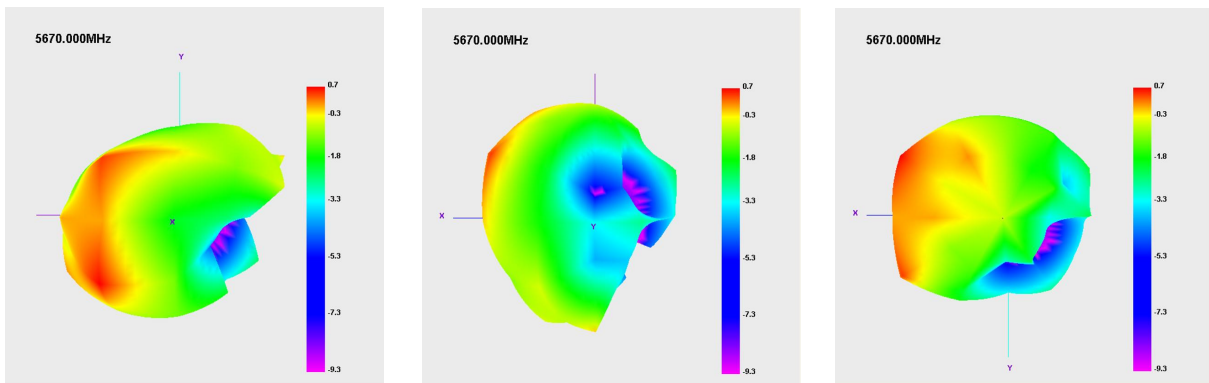


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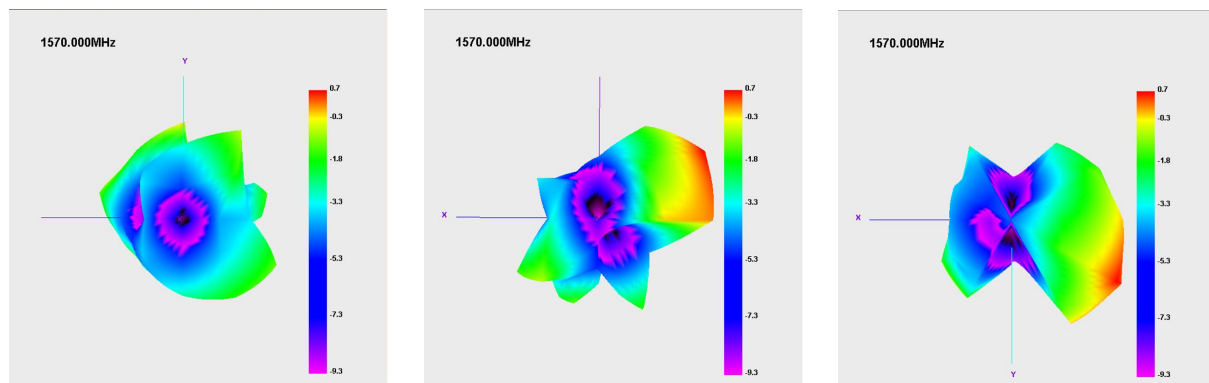Page 33

## 6.3、Passive field pattern diagram--B5/18/19/26--870MHz--diversity



## 6.4、Passive field pattern diagram--B7/41--2690MHz--diversity



## 6.5、Passive field pattern diagram--B30--2350MHz--diversity

## 6.6、Passive field pattern diagram--B12/17--740MHz--diversity
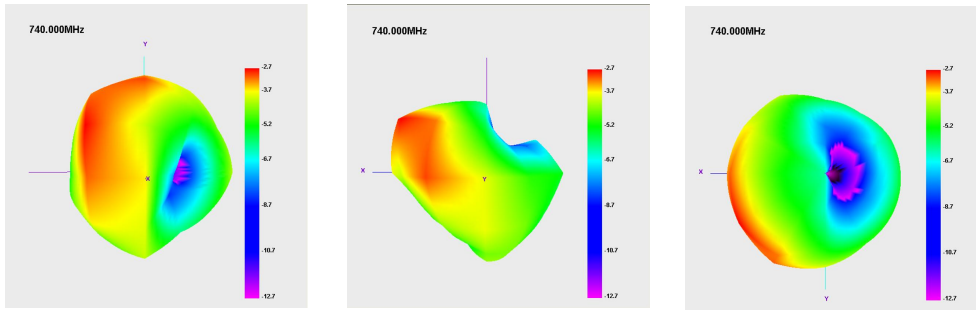


## 6.7、Passive field pattern diagram--B13/14--750MHz--diversity
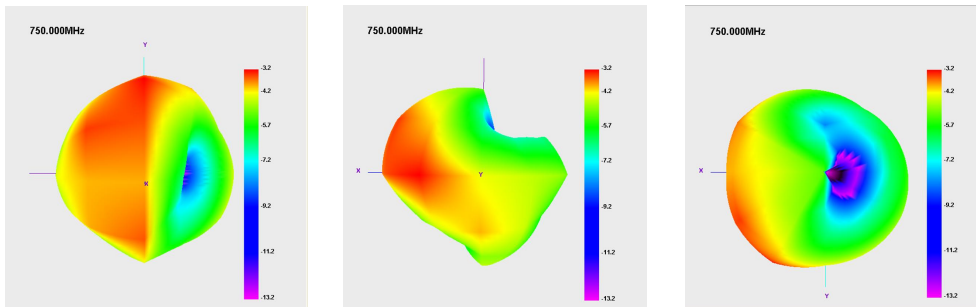


## 6.8、Passive field pattern diagram--B20--820MHz--diversity
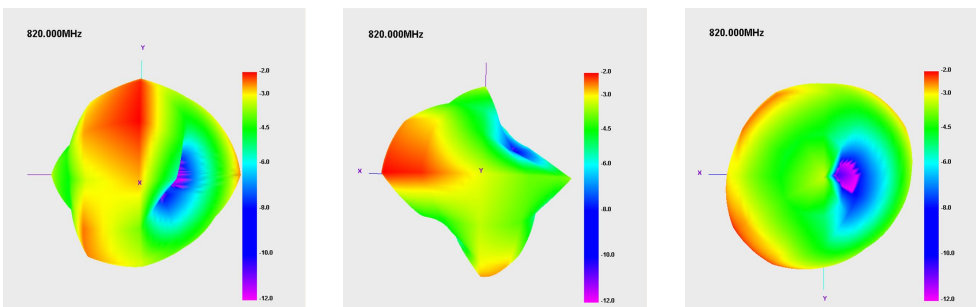


## 6.9、Passive field pattern diagram--B71--620MHz--diversity

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# 7.0、Passive field pattern diagram--WIFI--2450MHz



# 7.1、Passive field pattern diagram--WIFI--5670MHz



# 7.2、Passive field pattern diagram--GPS--1570MHz

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