

## PNA Frequency Band Crossing

The frequency range of the PNA covers several internal frequency bands. The higher the frequency range of the PNA, the larger the number of bands. The source power to your DUT turns off as the stimulus frequency is swept through these bands crossings. To learn more, see [Power ON and OFF during Sweep and Retrace](#).

Frequency bands crossings are different for the following models:

- [3 GHz, 6 GHz, and 9 GHz Models](#)
- [E8362A/B, E8363A/B, E8364A/B](#)
- [E8361A](#)
- [N5230A \(2-port models\)](#)
- [N5230A \(4-port models\)](#)

**For 3 GHz, 6 GHz, and 9 GHz (discontinued) PNA models:**

Band	Frequency
1	10 MHz
2	748 MHz
3	1500 MHz
4	3000 MHz
5	4500 MHz
6	6500 MHz

**For PNA models E8362 / 63 / 64 A/B**

(A models do not have band 0)

Band	Freq (GHz)	Band	Freq (GHz)	Band	Freq (GHz)
0	.045				
1	0.748	9	7.60	17	25.60
2	1.500	10	10.00	18	30.00
3	3.00	11	12.00	19	32.00
4	3.80	12	12.8	20	36.00
5	4.50	13	15.20	21	38.40
6	4.80	14	16.00	22	40.00
7	6.00	15	20.00	23	45.60
8	6.40	16	22.80	24	48.00

**For PNA model E8361A**

Band	Freq	Band	Freq	Band	Freq
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	(GHz)		(GHz)		(GHz)
<b>0</b>	.045	<b>9</b>	10.00	<b>18</b>	32.00
<b>1</b>	0.748	<b>10</b>	12.00	<b>19</b>	36.00
<b>2</b>	1.500	<b>11</b>	12.80	<b>20</b>	40.00
<b>3</b>	3.00	<b>12</b>	15.40	<b>21</b>	44.70
<b>4</b>	3.80	<b>13</b>	16.00	<b>22</b>	46.20
<b>5</b>	4.00	<b>14</b>	20.00	<b>23</b>	51.20
<b>6</b>	4.50	<b>15</b>	24.00	<b>24</b>	60.00
<b>7</b>	6.00	<b>16</b>	25.60	<b>25</b>	64.00
<b>8</b>	7.70	<b>17</b>	30.00		

**For PNA model N5230A (2-port models)**

Band	Freq (GHz)	Band	Freq (GHz)	Band	Freq (GHz)
<b>1</b>	.045	<b>11</b>	10.500	<b>21</b>	28.600
<b>2</b>	.748	<b>12</b>	12.500	<b>22</b>	31.250
<b>3</b>	1.5	<b>13</b>	15.750	<b>23</b>	31.500
<b>4</b>	3.125	<b>14</b>	16.667	<b>24</b>	33.333
<b>5</b>	4.167	<b>15</b>	18.750	<b>25</b>	37.000
<b>6</b>	5.250	<b>16</b>	21.000	<b>26</b>	40.500
<b>7</b>	6.250	<b>17</b>	22.500	<b>27</b>	41.667
<b>8</b>	7.875	<b>18</b>	25.000	<b>28</b>	42.000
<b>9</b>	8.333	<b>19</b>	26.250	<b>29</b>	46.800
<b>10</b>	9.375	<b>20</b>	26.500	<b>30</b>	

**For PNA model N5230A Opt 240, 245 (4-port models)**

Band	Freq (GHz)	Band	Freq (GHz)
<b>0</b>	.00112	<b>9</b>	8.333
<b>1</b>	0.010	<b>10</b>	9.800
<b>2</b>	0.040	<b>11</b>	10.500
<b>3</b>	0.748	<b>12</b>	12.500
<b>4</b>	1.500	<b>13</b>	15.000
<b>5</b>	3.125	<b>14</b>	15.750
<b>6</b>	4.166	<b>15</b>	16.666
<b>7</b>	5.250	<b>16</b>	18.750
<b>8</b>	6.250	<b>17</b>	20.100