



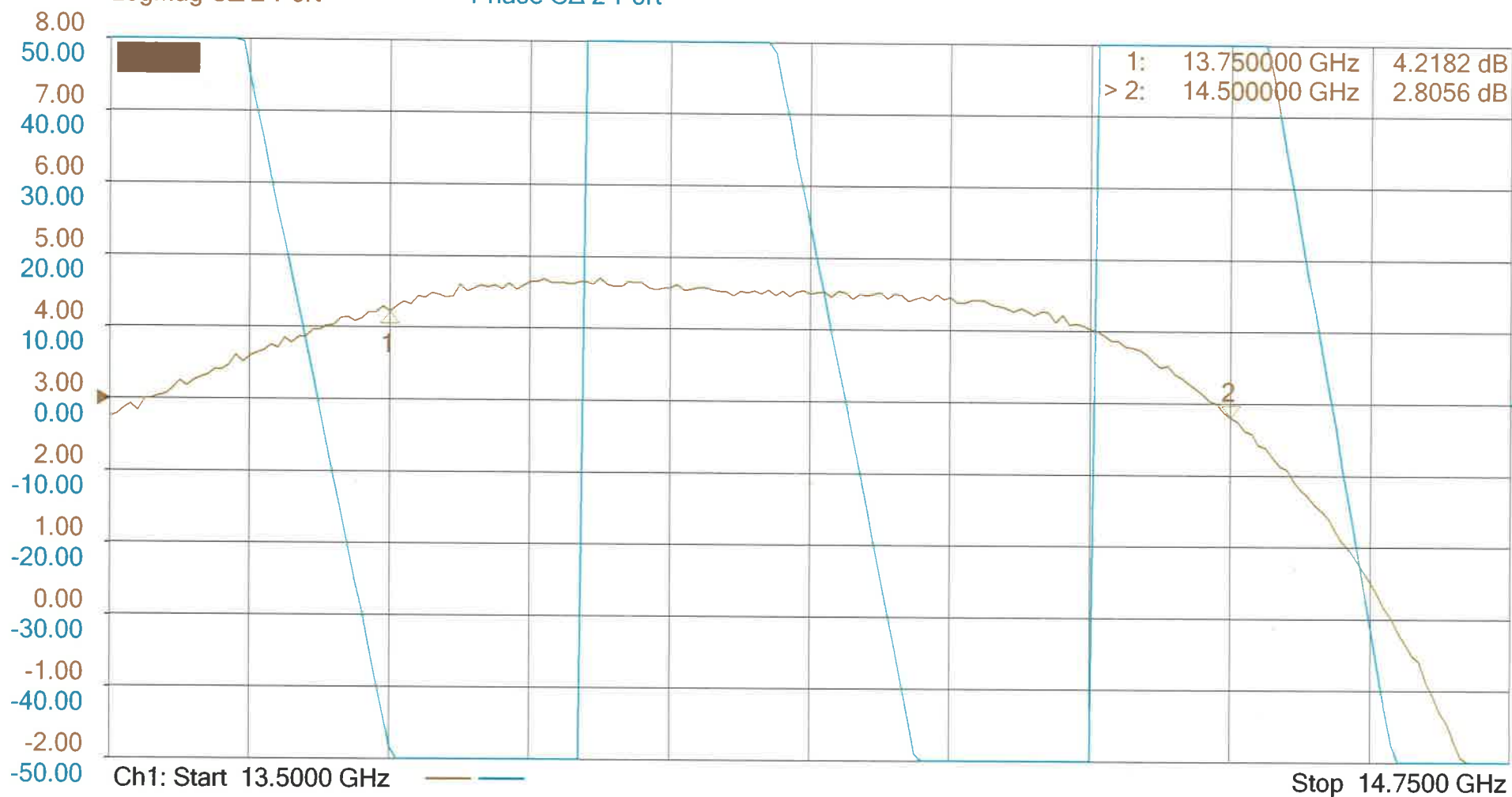
Window 1

(1) S21 / M dB

LogMag CA 2-Port

(2) S21 / M deg

Phase CA 2-Port



Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|-----------|-----------|
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz | 4.2182 dB |
| | | | | | | 2 | 14500 MHz | 2.8056 dB |

$$V_D = 0.43V$$

$$V_{att} = 0V$$

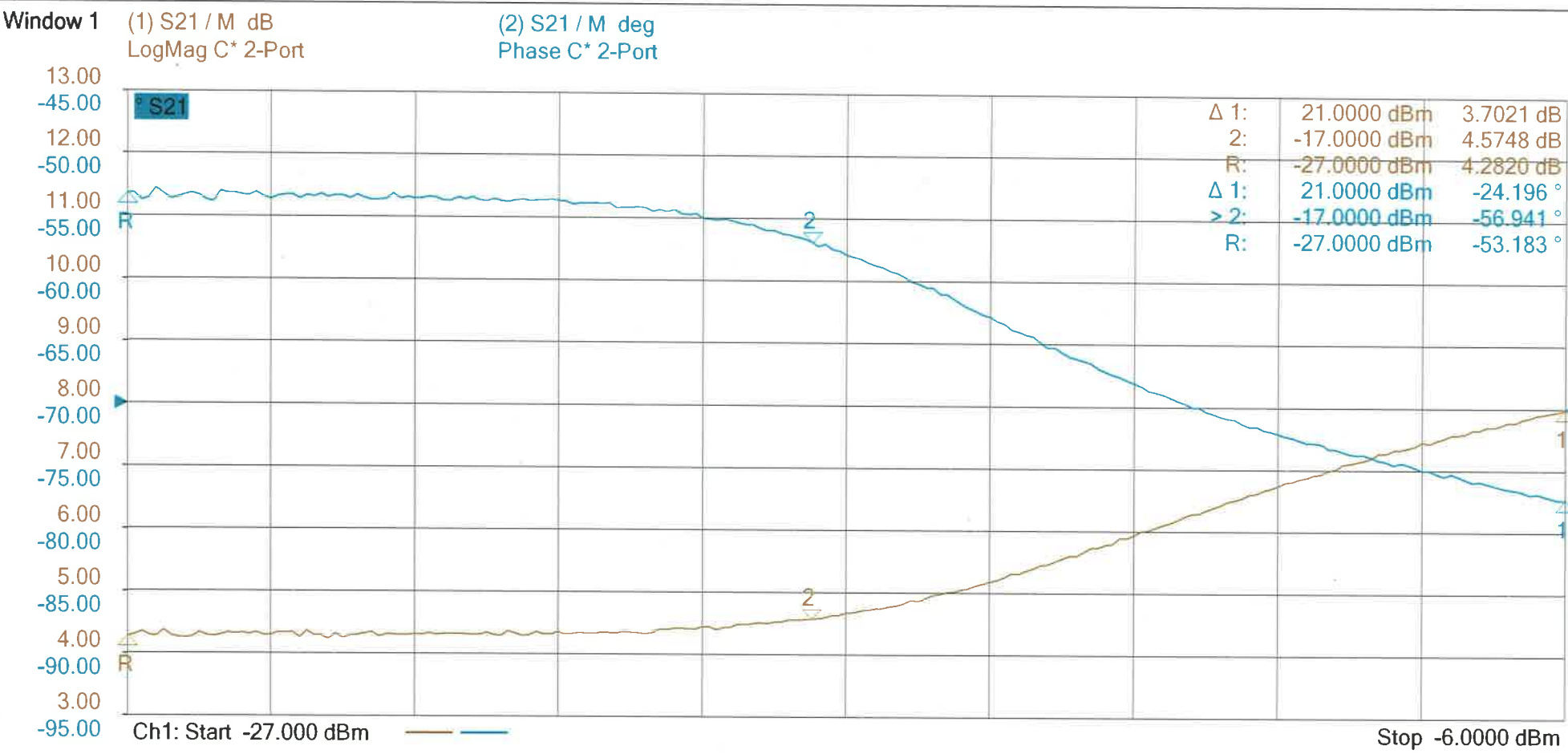
$$V_{PS} = 3.060V$$

$$P_{in} = -7dBm = Set\ pin - 9 + 30 - 1$$

Calibrated to input & output of Linearizer
w/ isolators in & out

w/ a small tab right at
input pin to help gain flatness

Linearizer

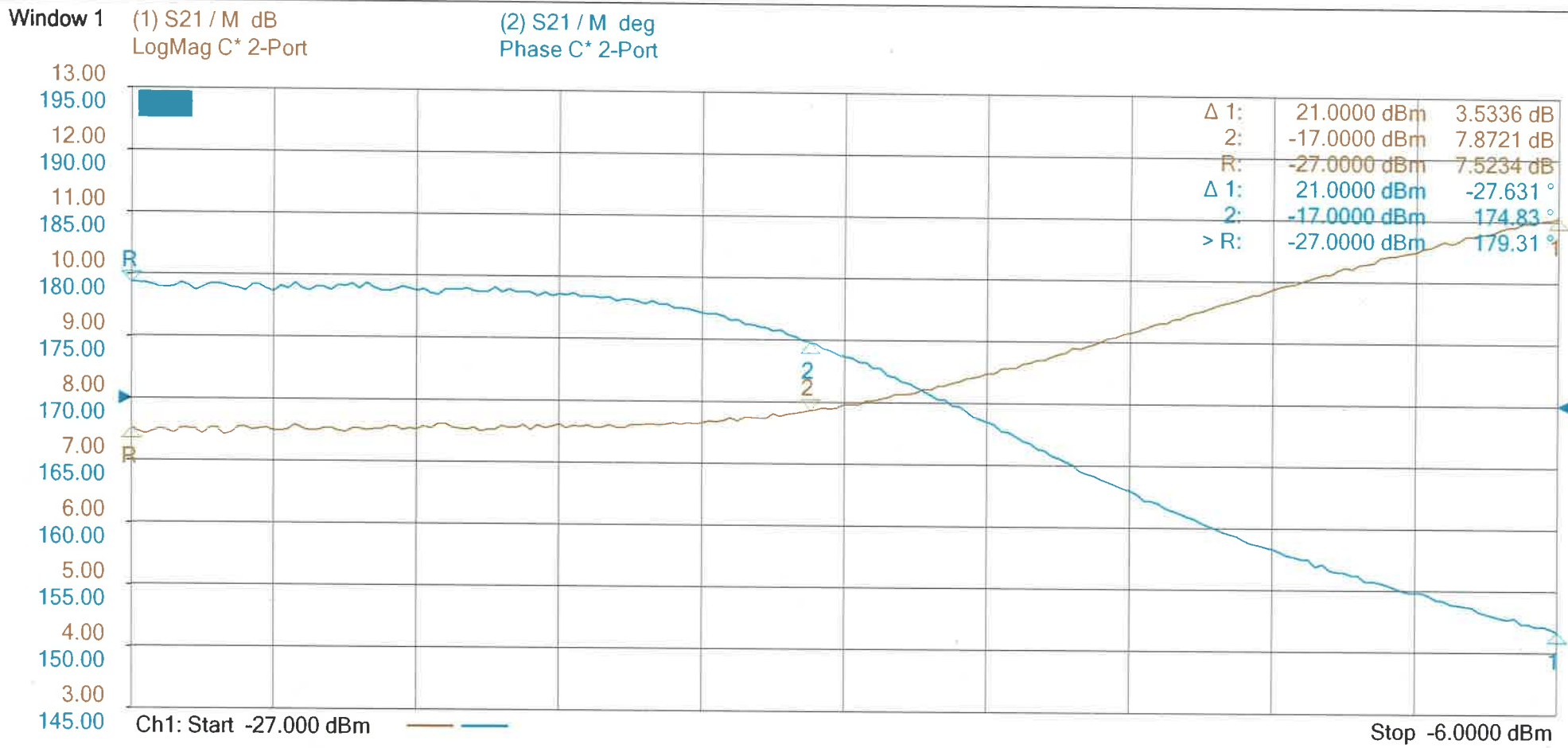


| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 13.750000 | 13.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.7021 dB |
| | | | | | | 2 | -17 dBm | 4.5748 dB |
| | | | | | | R | -27 dBm | 4.2820 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -24.196 ° |
| | | | | | | 2 | -17 dBm | -56.941 ° |
| | | | | | | R | -27 dBm | -53.183 ° |

$V_D = 0.43V$
 $V_{att} = 0V$
 $V_{PS} = 3.060V$
 $P_{in} = -7. \text{ to } 14 \text{ dBm}$
 13.75 GHz

Linearly



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.000000 | 14.000000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.5336 dB |
| | | | | | | 2 | -17 dBm | 7.8721 dB |
| | | | | | | R | -27 dBm | 7.5234 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -27.631 ° |
| | | | | | | 2 | -17 dBm | 174.83 ° |
| | | | | | | R | -27 dBm | 179.31 ° |

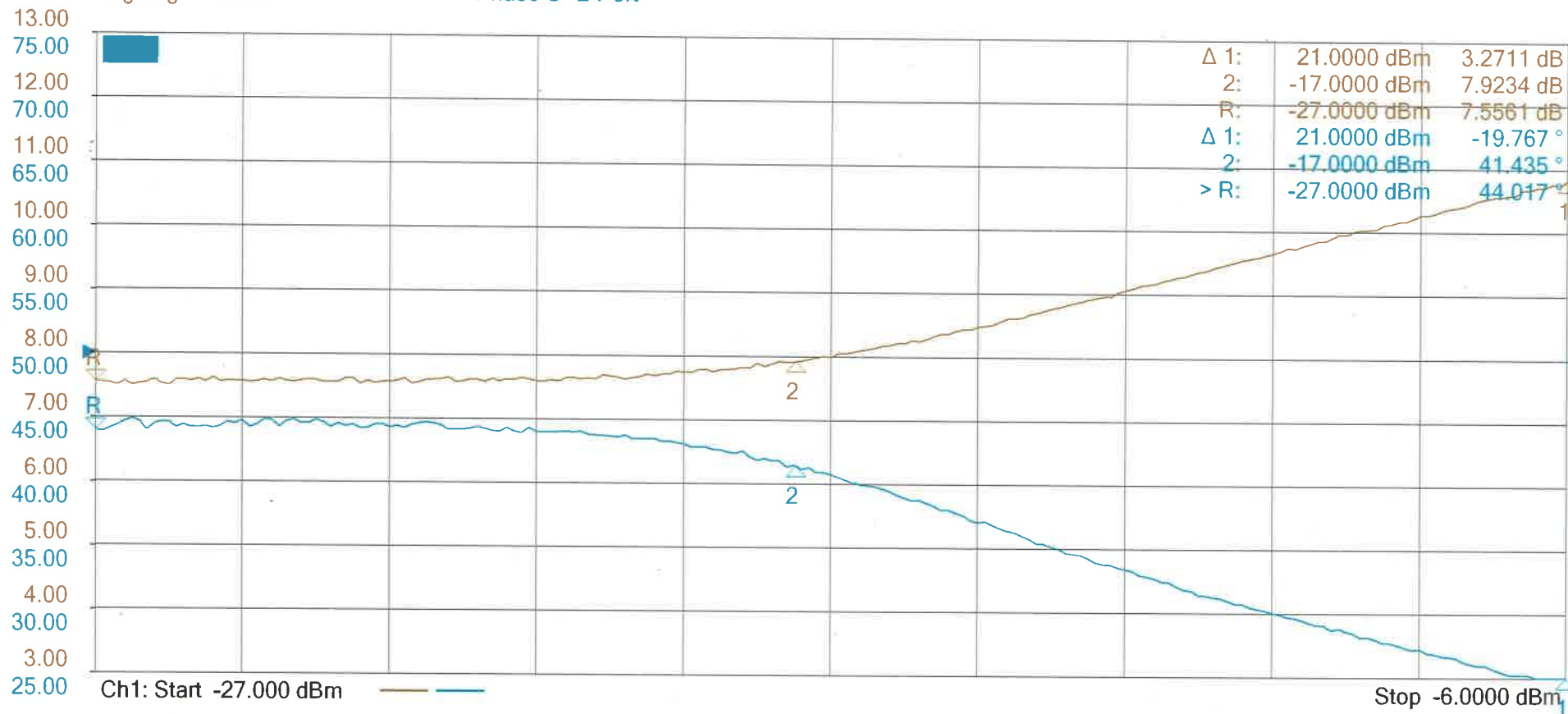
$V_D = 0.43V$
 $V_{att} = 0V$
 $V_{ps} = 3.060V$
 $LinPin = -7 \text{ to } 14 \text{ dBm}$
 14 GHz



Window 1

(1) S21 / M dB
LogMag C* 2-Port

(2) S21 / M deg
Phase C* 2-Port



Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | Power | 201 | 14.250000 | 14.250000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|----------|-----------|
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.2711 dB |
| | | | | | | 2 | -17 dBm | 7.9234 dB |
| | | | | | | R | -27 dBm | 7.5561 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -19.767 ° |
| | | | | | | 2 | -17 dBm | 41.435 ° |
| | | | | | | R | -27 dBm | 44.017 ° |

$$V_D = 0.43V$$

$$V_{att} = 0V$$

$$V_{ps} = 3.060V$$

$$Lin Pin = -7 \text{ to } 14 \text{ dBm}$$

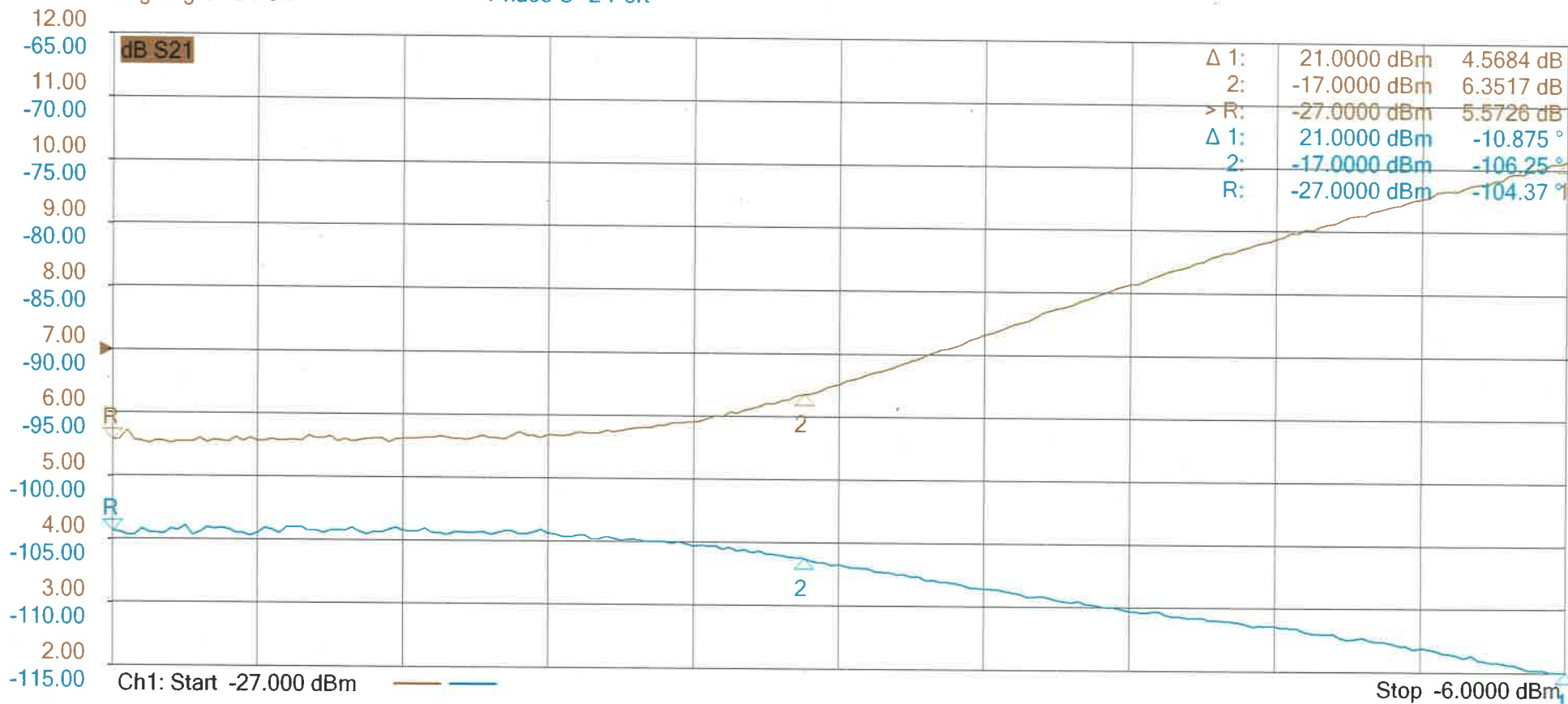
$$14.25 \text{ GHz}$$



Window 1

(1) S21 / M dB
LogMag C* 2-Port

(2) S21 / M deg
Phase C* 2-Port



Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | Power | 201 | 14.500000 | 14.500000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|----------|-----------|
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 4.5684 dB |
| | | | | | | 2 | -17 dBm | 6.3517 dB |
| | | | | | | R | -27 dBm | 5.5726 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -10.875 ° |
| | | | | | | 2 | -17 dBm | -106.25 ° |
| | | | | | | R | -27 dBm | -104.37 ° |

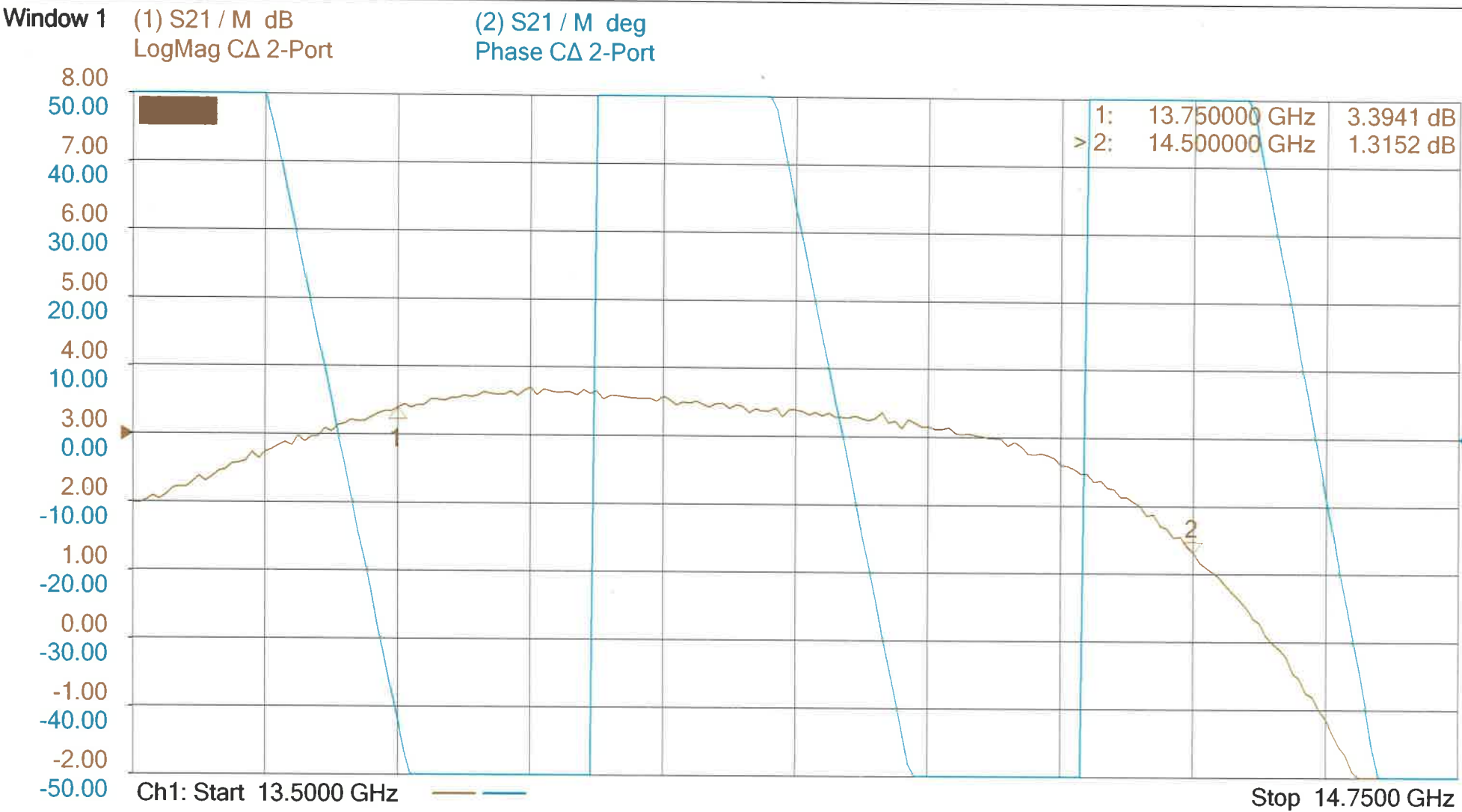
$$V_D = 0.43V$$

$$V_{att} = 0V$$

$$V_{ps} = 3.060V$$

$$L_{in} P_{in} = -7 \text{ to } 14 \text{ dBm}$$

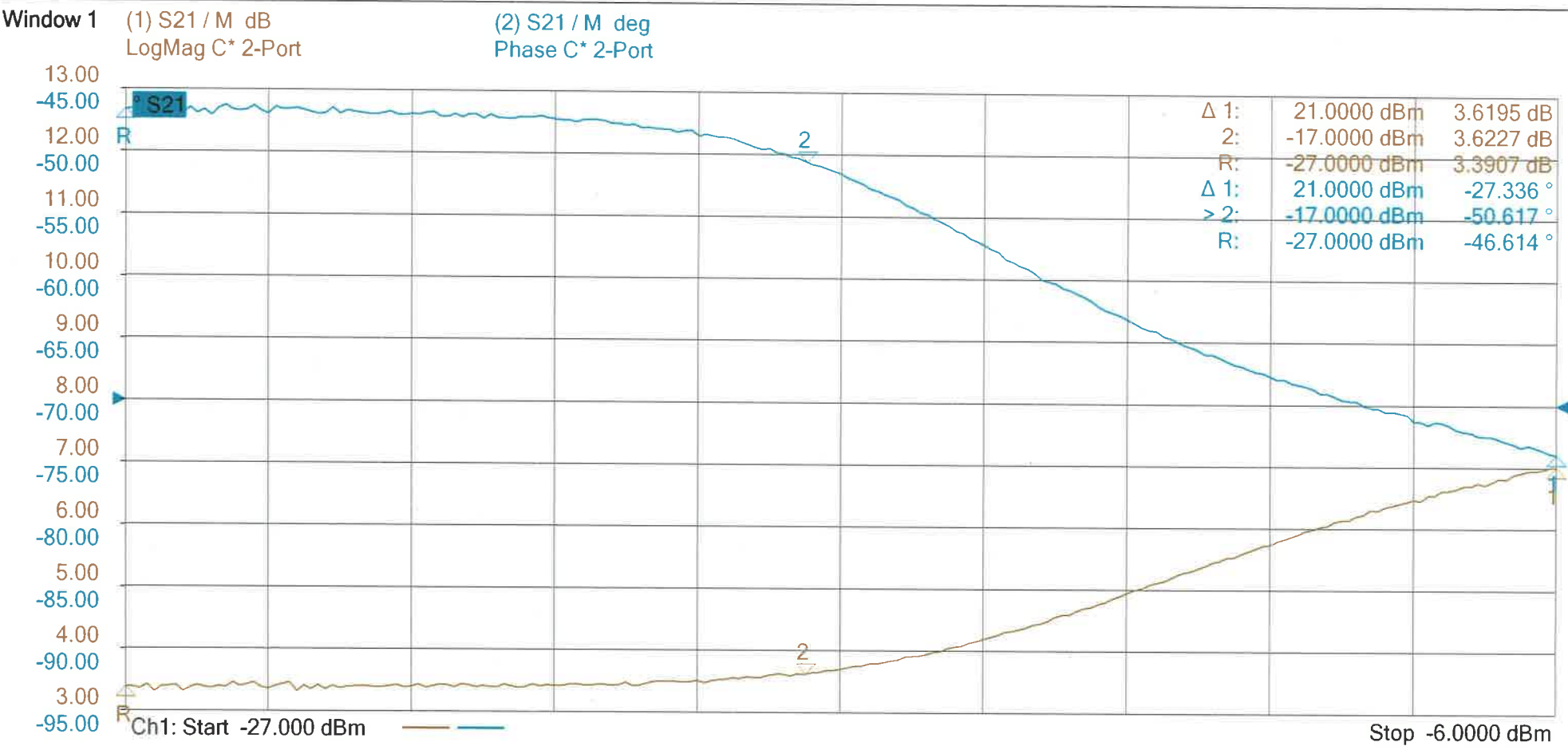
$$14.56 \text{ Hz}$$



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|-----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz | 3.3941 dB |
| | | | | | | 2 | 14500 MHz | 1.3152 dB |

$V_D = 0.43V$
 $V_{atk} = 0.56V$
 $V_{ps} = 3.060V$

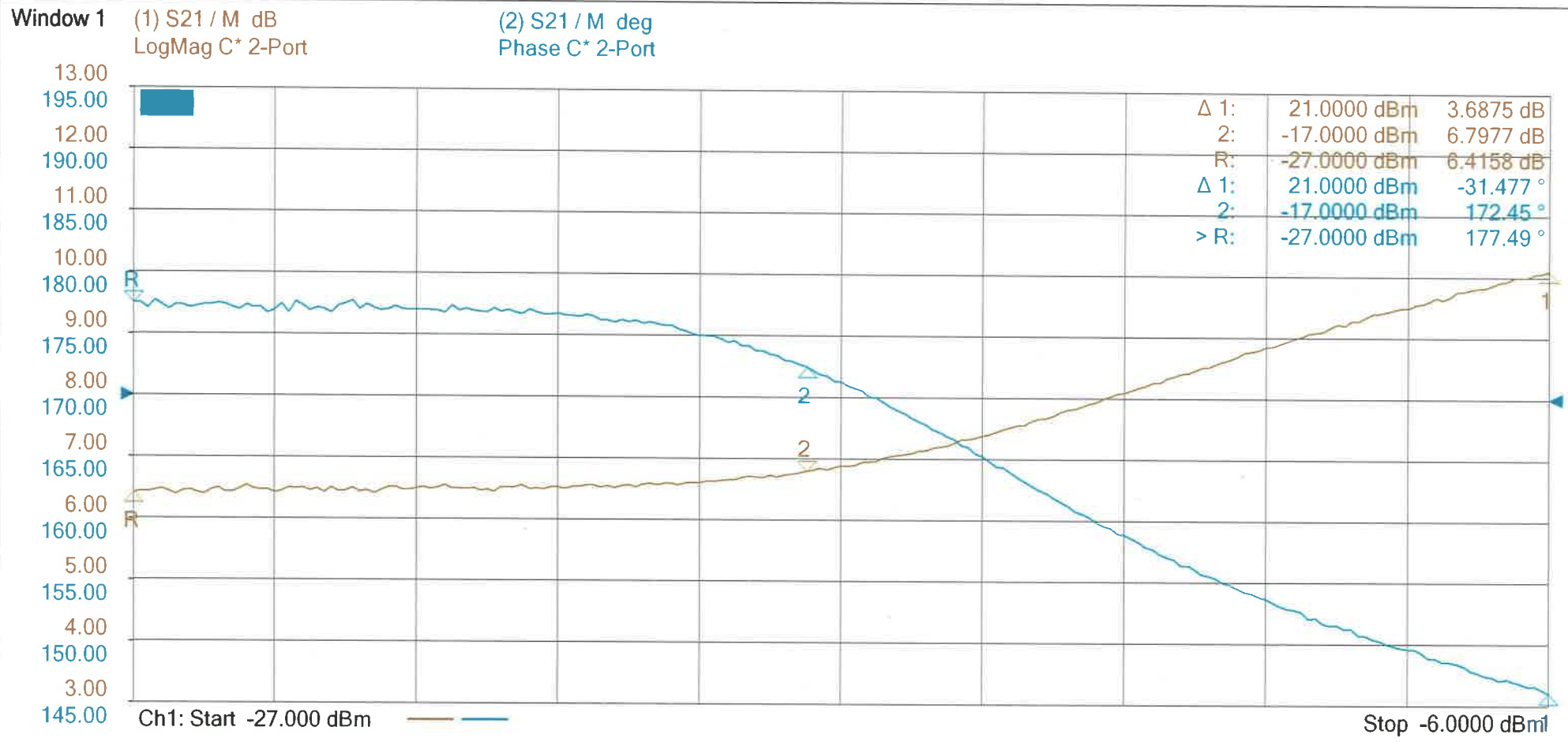


| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 13.750000 | 13.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.6195 dB |
| | | | | | | 2 | -17 dBm | 3.6227 dB |
| | | | | | | R | -27 dBm | 3.3907 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -27.336 ° |
| | | | | | | 2 | -17 dBm | -50.617 ° |
| | | | | | | R | -27 dBm | -46.614 ° |

$V_D = 0.43V$
 $V_{att} = 0.56V$
 $V_{ps} = 3.060V$
 $P_{in} = -7 \text{ to } 14 \text{ dBm}$
 13.75 GHz

Linearizer



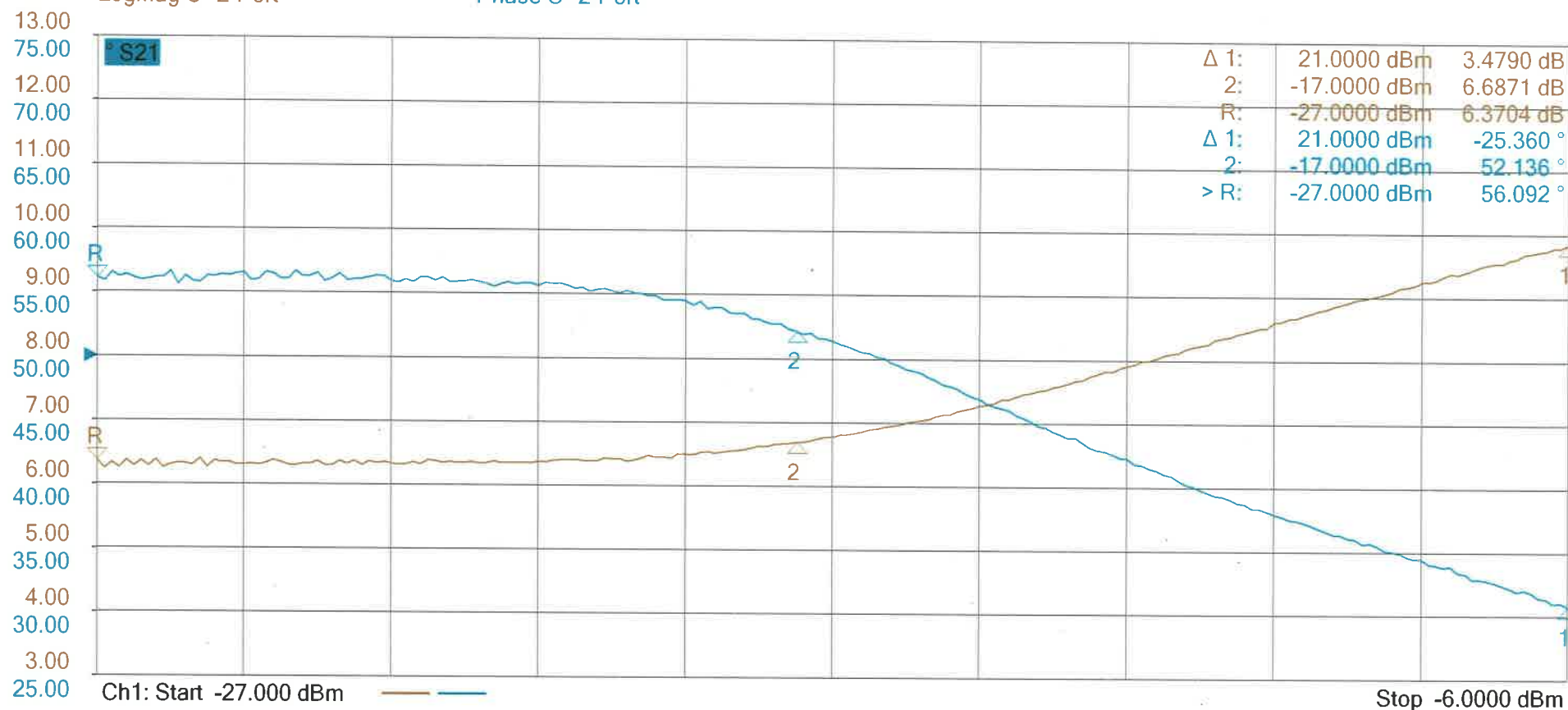
| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.000000 | 14.000000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.6875 dB |
| | | | | | | 2 | -17 dBm | 6.7977 dB |
| | | | | | | R | -27 dBm | 6.4158 dB |
| | 2 | S21 / M | 1 | C* 2-Port | D | 1 | 21 dBm | -31.477 ° |
| | | | | | | 2 | -17 dBm | 172.45 ° |
| | | | | | | R | -27 dBm | 177.49 ° |

$V_b = 0.93 V$
 $V_{att} = 0.56 V$
 $V_{ps} = 3060 V$
 $L_{in Pin} = -7 \text{ to } 14 \text{ dBm}$
 14 GHz



Window 1

(1) S21 / M dB
LogMag C* 2-Port(2) S21 / M deg
Phase C* 2-Port

Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | Power | 201 | 14.250000 | 14.250000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|----------|-----------|
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.4790 dB |
| | | | | | | 2 | -17 dBm | 6.6871 dB |
| | | | | | | R | -27 dBm | 6.3704 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -25.360 ° |
| | | | | | | 2 | -17 dBm | 52.136 ° |
| | | | | | | R | -27 dBm | 56.092 ° |

$$V_p = 0.43$$

$$V_{att} = 0.56V$$

$$V_{ps} = 3.060V$$

$$Lin Pin = -7 \text{ to } 14 \text{ dBm}$$

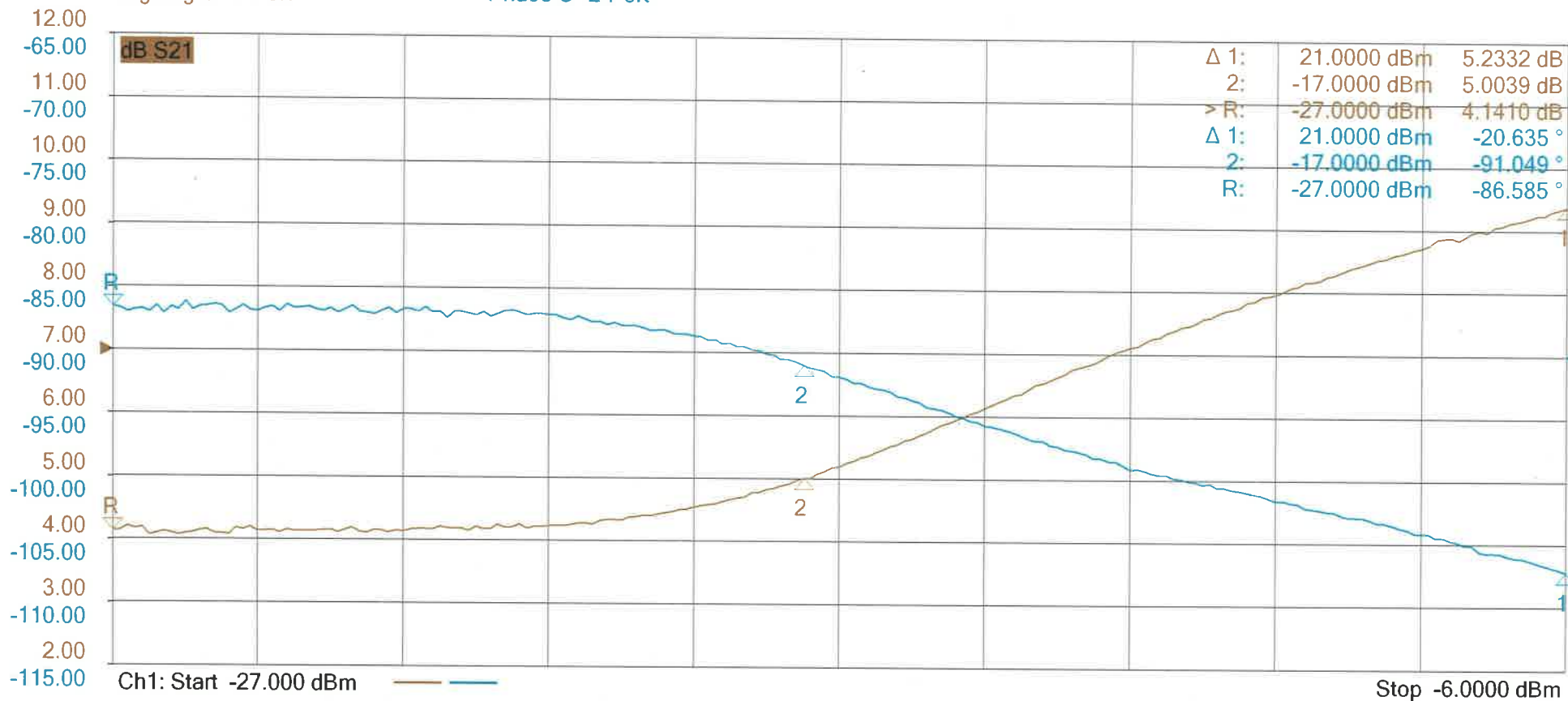
$$14.256 \text{ Hz}$$



Window 1

(1) S21 / M dB
LogMag C* 2-Port

(2) S21 / M deg
Phase C* 2-Port



Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | Power | 201 | 14.500000 | 14.500000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|----------|-----------|
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 5.2332 dB |
| | | | | | | 2 | -17 dBm | 5.0039 dB |
| | | | | | | R | -27 dBm | 4.1410 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -20.635 ° |
| | | | | | | 2 | -17 dBm | -91.049 ° |
| | | | | | | R | -27 dBm | -86.585 ° |

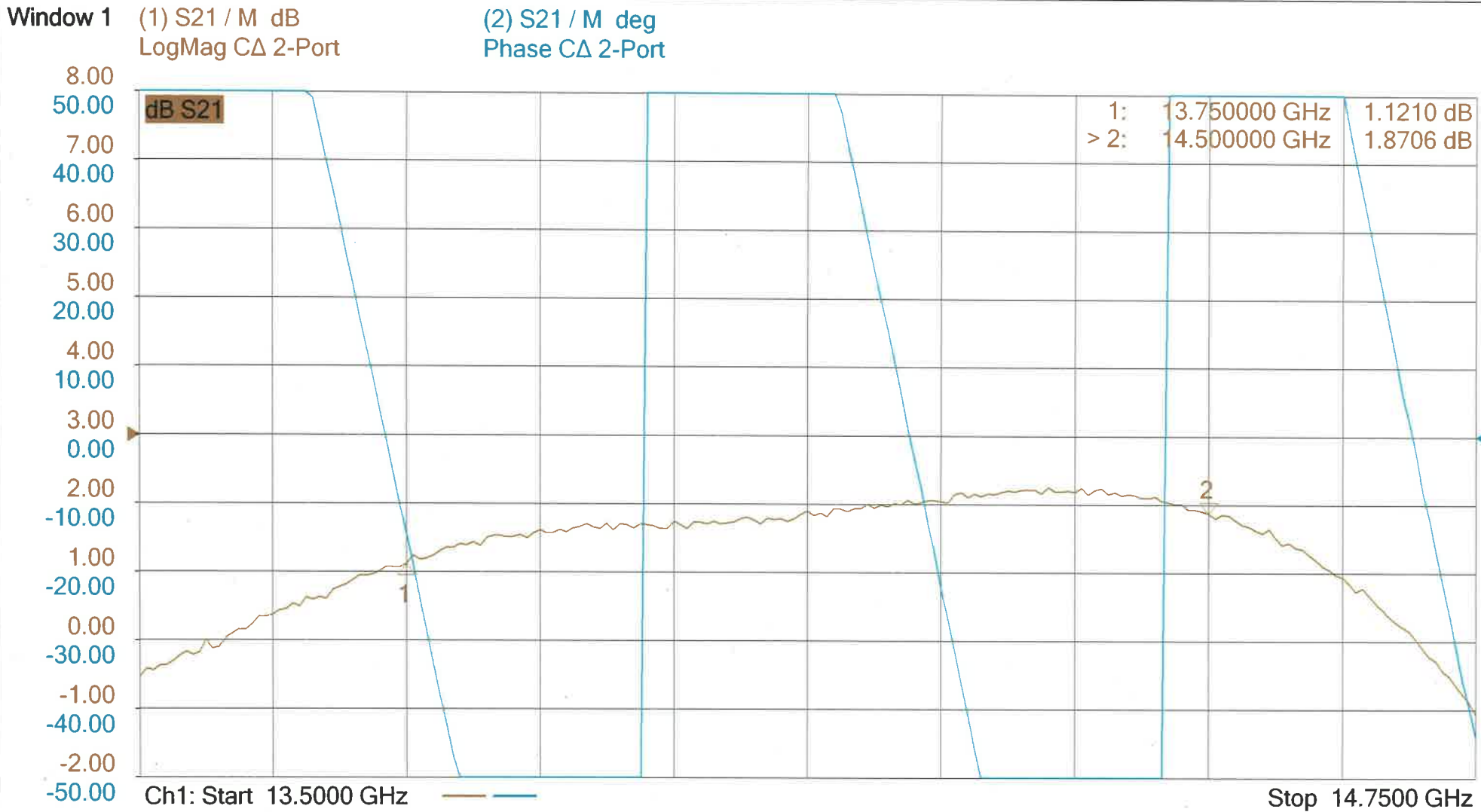
$$V_D = 0.43V$$

$$V_{att} = 0.56V$$

$$V_{ps} = 3.060V$$

$$L_{nPi} = -7 \text{ to } 14 \text{ dBm}$$

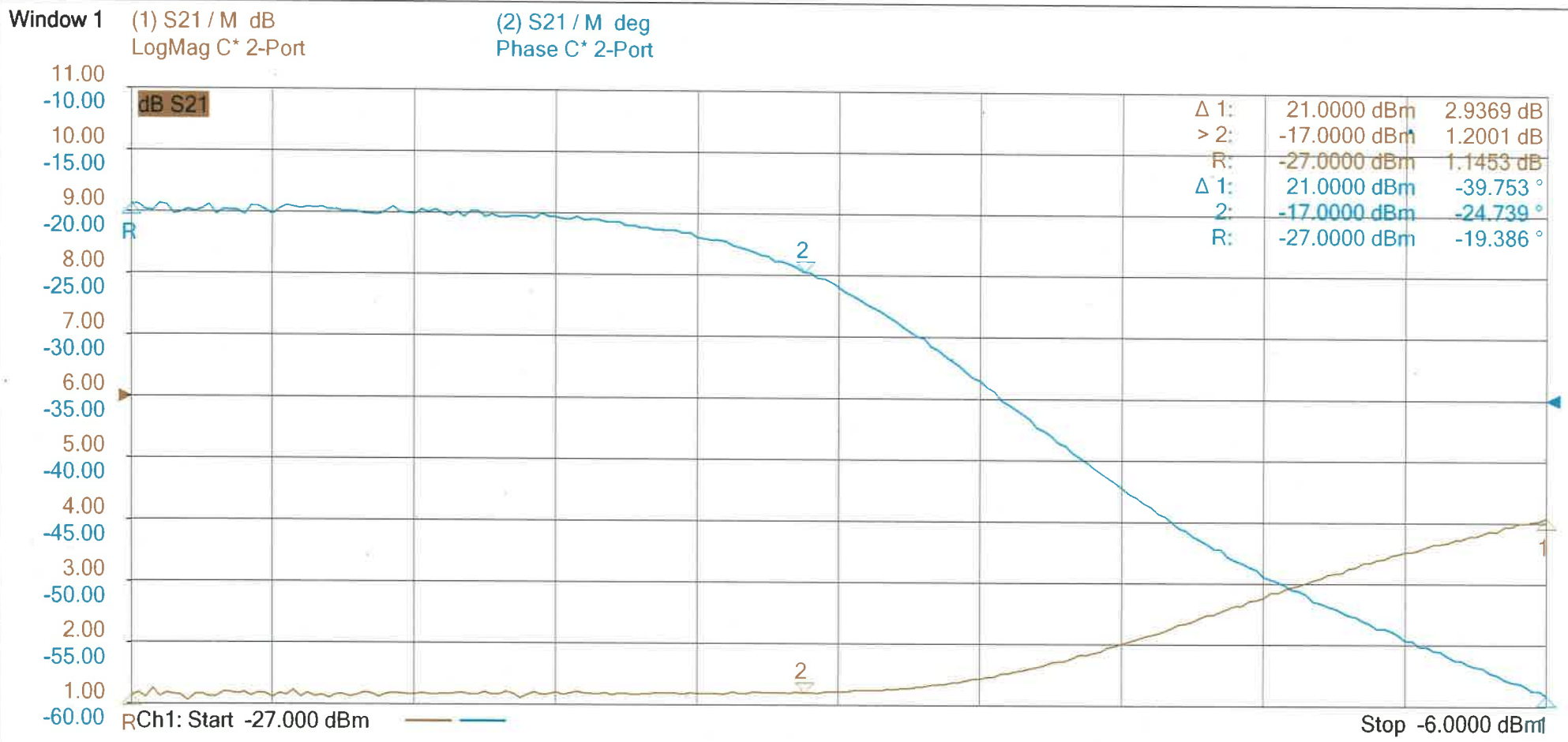
$$14.5 \text{ GHz}$$



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|-----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz | 1.1210 dB |
| | | | | | | 2 | 14500 MHz | 1.8706 dB |

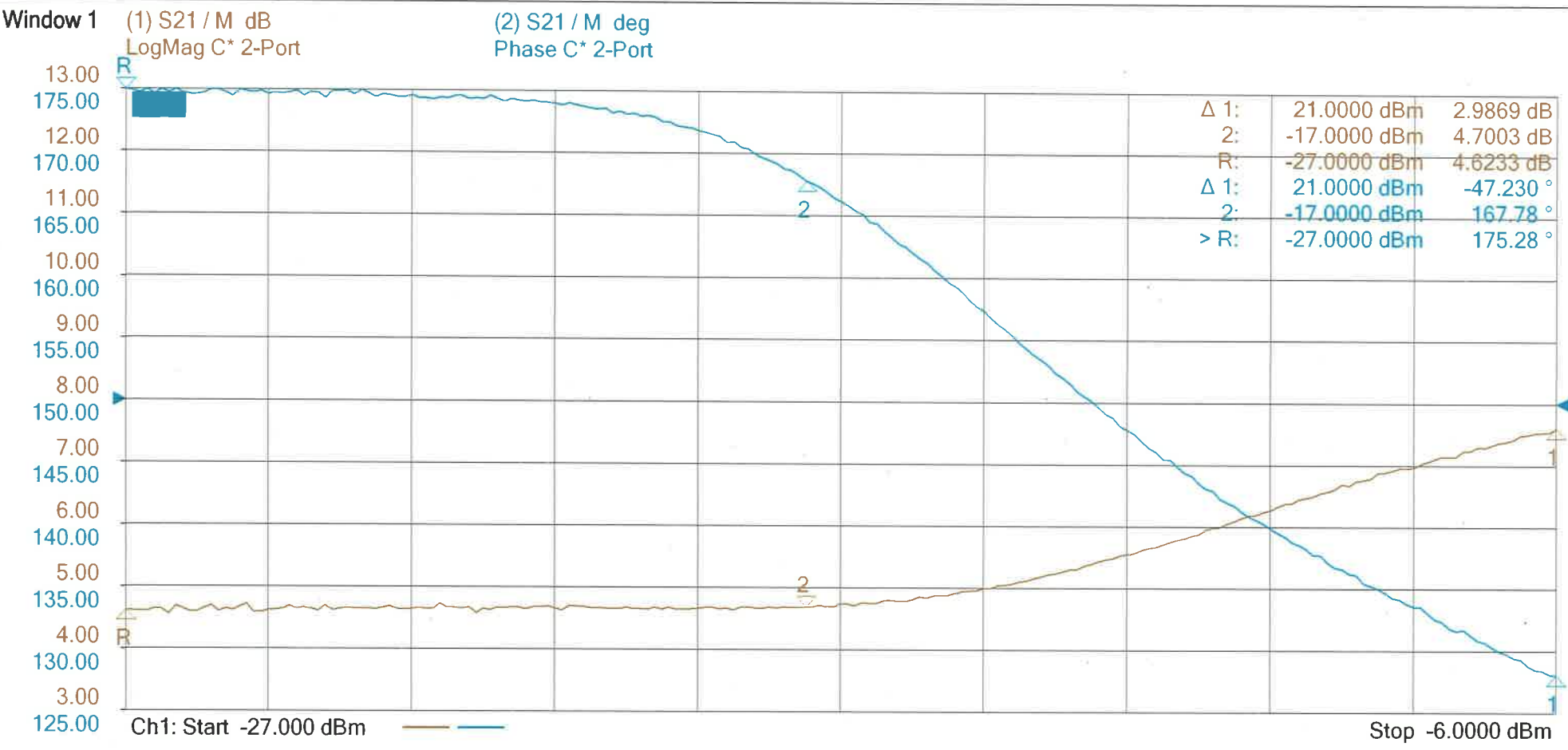
$V_D = 0.43V$
 $V_{att} = 1.0V$
 $V_{ps} = 3.060V$



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 13.750000 | 13.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|-------------------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm 2.9369 dB |
| | | | | | | 2 | -17 dBm 1.2001 dB |
| | | | | | | R | -27 dBm 1.1453 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm -39.753 ° |
| | | | | | | 2 | -17 dBm -24.739 ° |
| | | | | | | R | -27 dBm -19.386 ° |

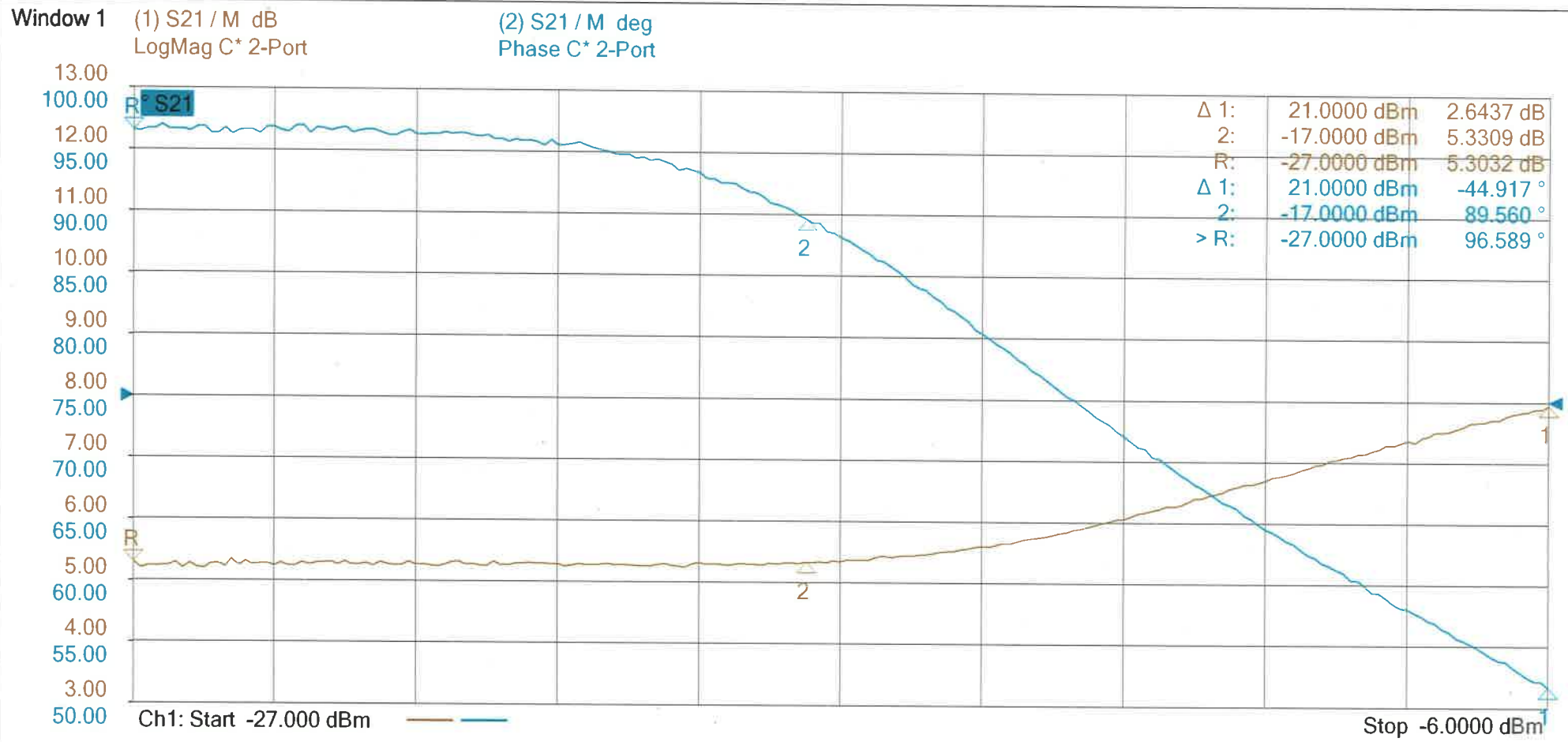
$V_p = 0.43V$
 $V_{att} = 1.0V$
 $V_{ps} = 3.060V$
 $Linearizer Pin = -2 to 14 dBm$
 $13.756 Hz$



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.000000 | 14.000000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 2.9869 dB |
| | | | | | | 2 | -17 dBm | 4.7003 dB |
| | | | | | | R | -27 dBm | 4.6233 dB |
| | 2 | S21 / M | 1 | C* 2-Port | D | 1 | 21 dBm | -47.230 ° |
| | | | | | | 2 | -17 dBm | 167.78 ° |
| | | | | | | R | -27 dBm | 175.28 ° |

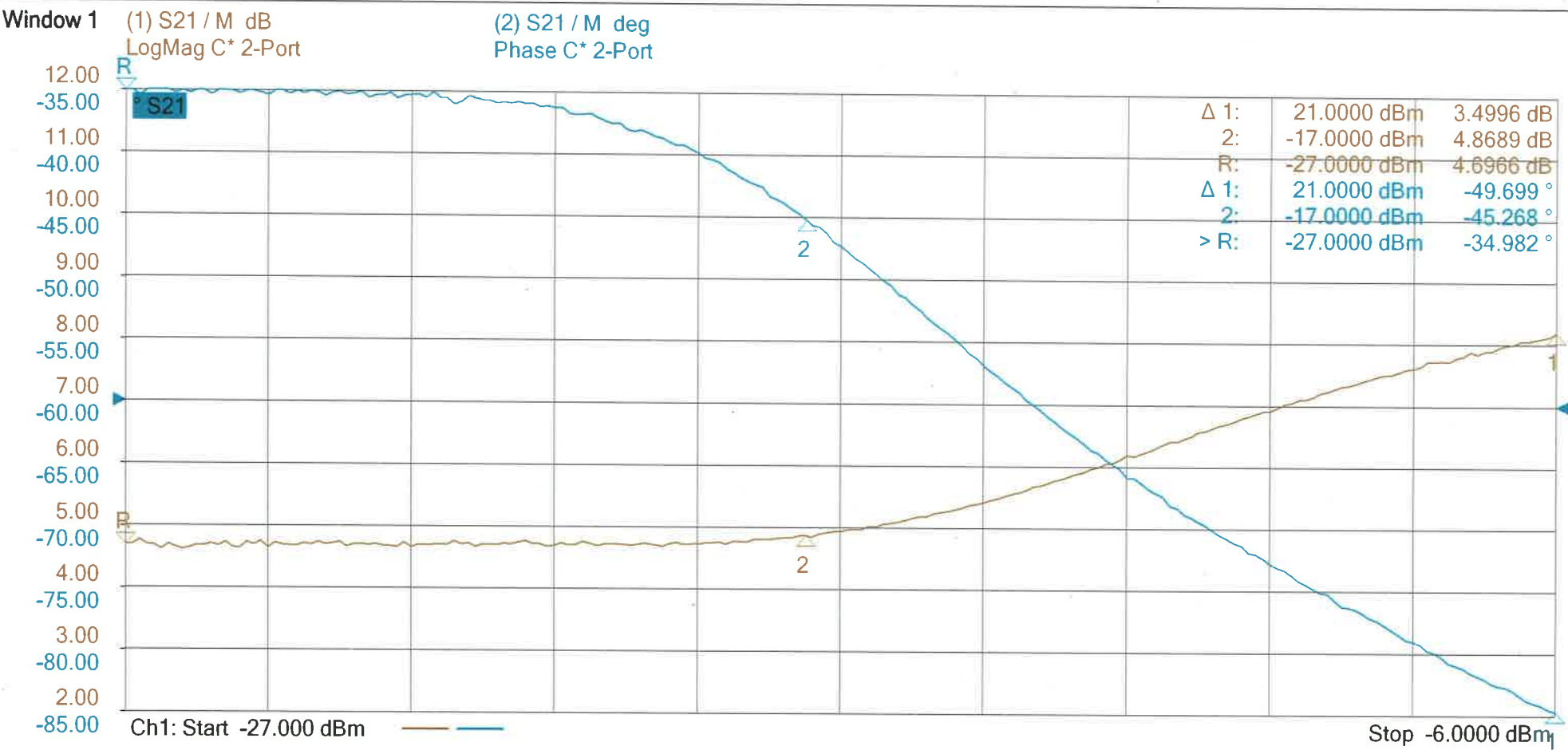
$V_D = 0.43 V$
 $V_{att} = 01.0 V$
 $V_{ps} = 3.060 V$
 $L_{in} P_{in} = -2 \text{ to } 14 \text{ dBm}$
 146 Hz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.250000 | 14.250000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 2.6437 dB |
| | | | | | | 2 | -17 dBm | 5.3309 dB |
| | | | | | | R | -27 dBm | 5.3032 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -44.917 ° |
| | | | | | | 2 | -17 dBm | 89.560 ° |
| | | | | | | R | -27 dBm | 96.589 ° |

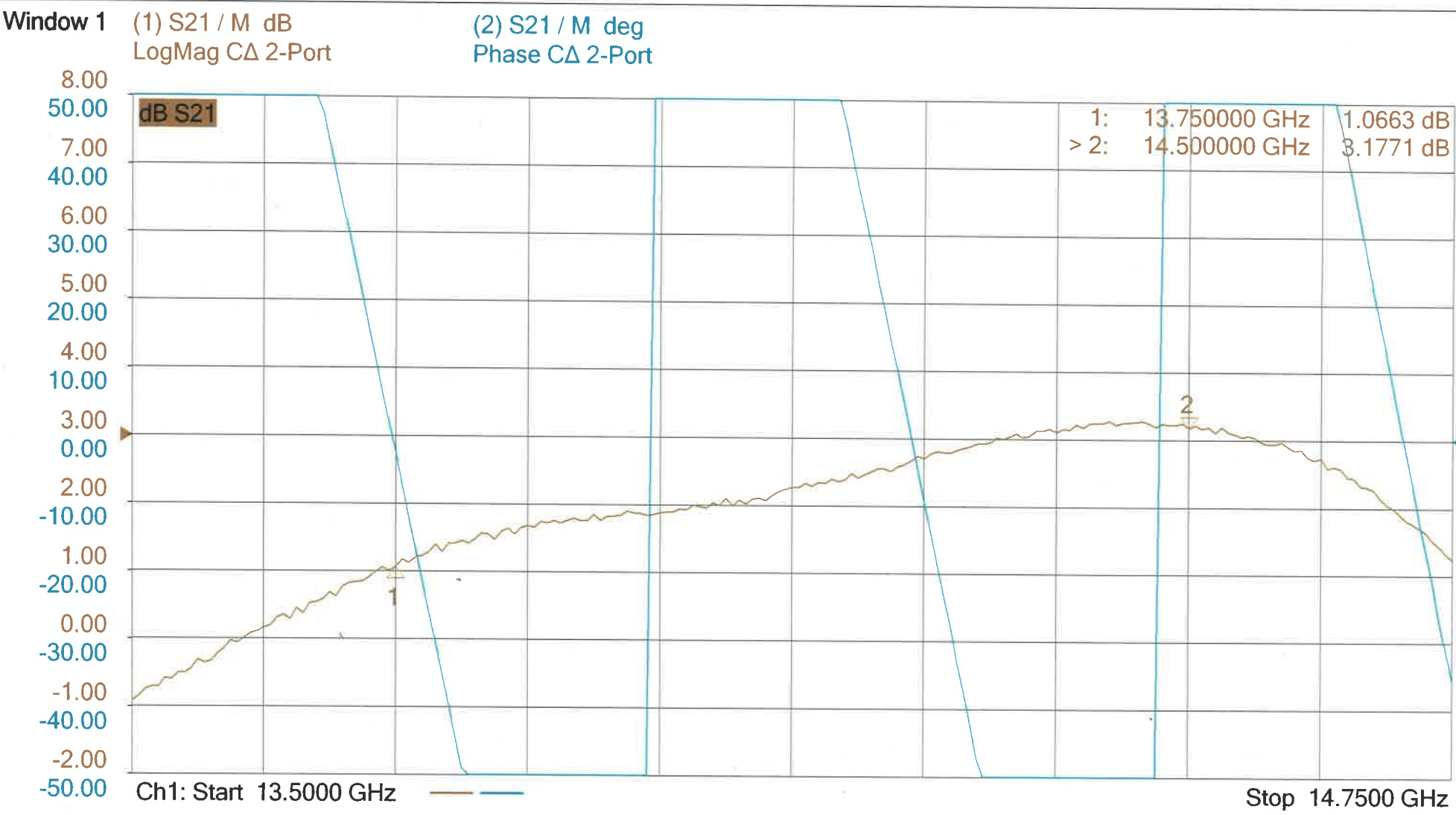
$V_D = 0.43V$
 $V_{att} = 1.0V$
 $V_{ps} = 3.060V$
 $Lin Pin = -7 \text{ to } 14 \text{ dBm}$
 14.25 GHz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.500000 | 14.500000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 3.4996 dB |
| | | | | | | 2 | -17 dBm | 4.8689 dB |
| | | | | | | R | -27 dBm | 4.6966 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -49.699 ° |
| | | | | | | 2 | -17 dBm | -45.268 ° |
| | | | | | | R | -27 dBm | -34.982 ° |

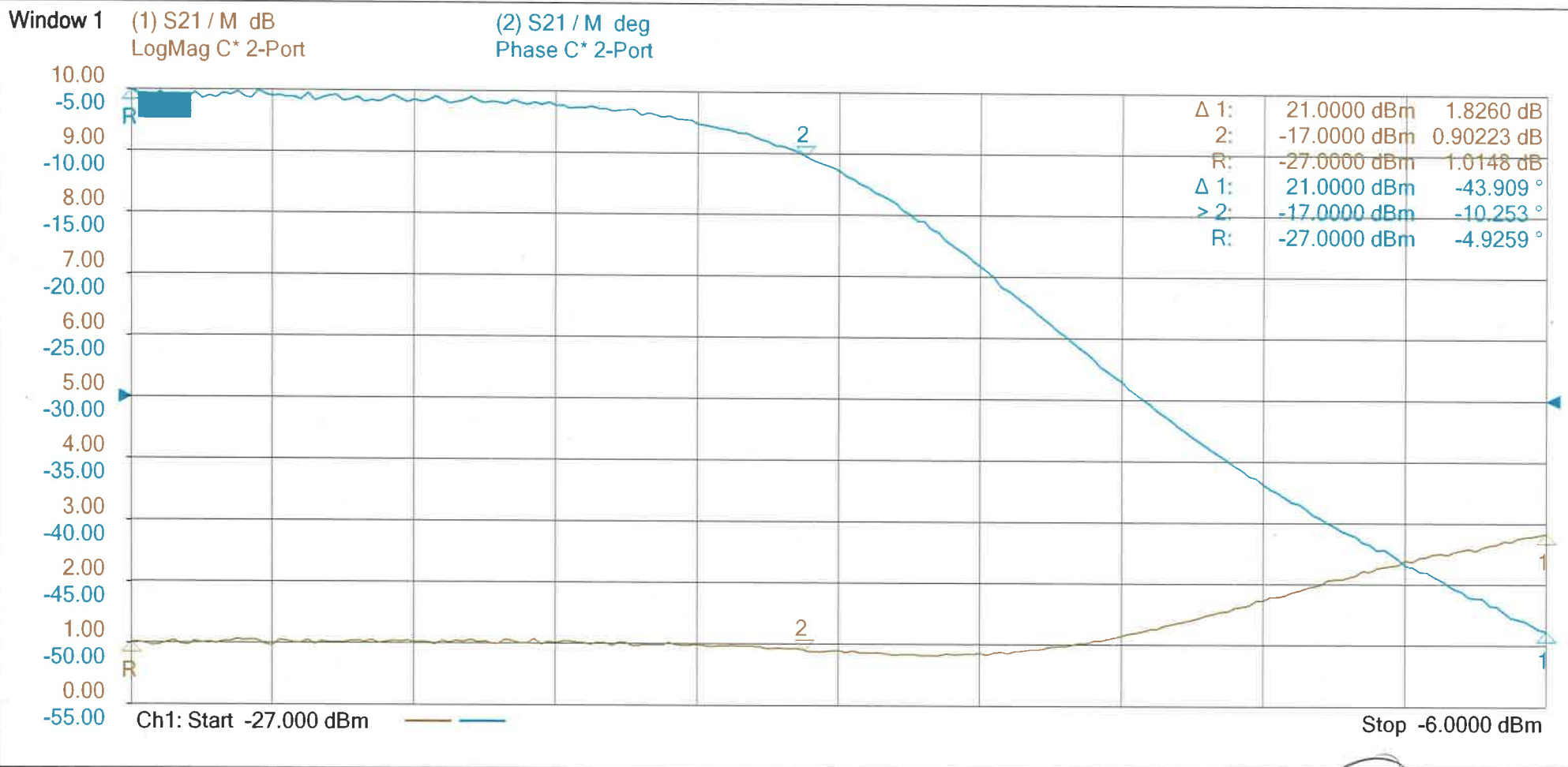
$V_D = 0.43$
 $V_{att} = 1.0V$
 $V_{PS} = 3.060V$
 $P_{in} = -7 \text{ to } 1 \text{ dBm}$
 14.56 Hz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|-----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz | 1.0663 dB |
| | | | | | | 2 | 14500 MHz | 3.1771 dB |

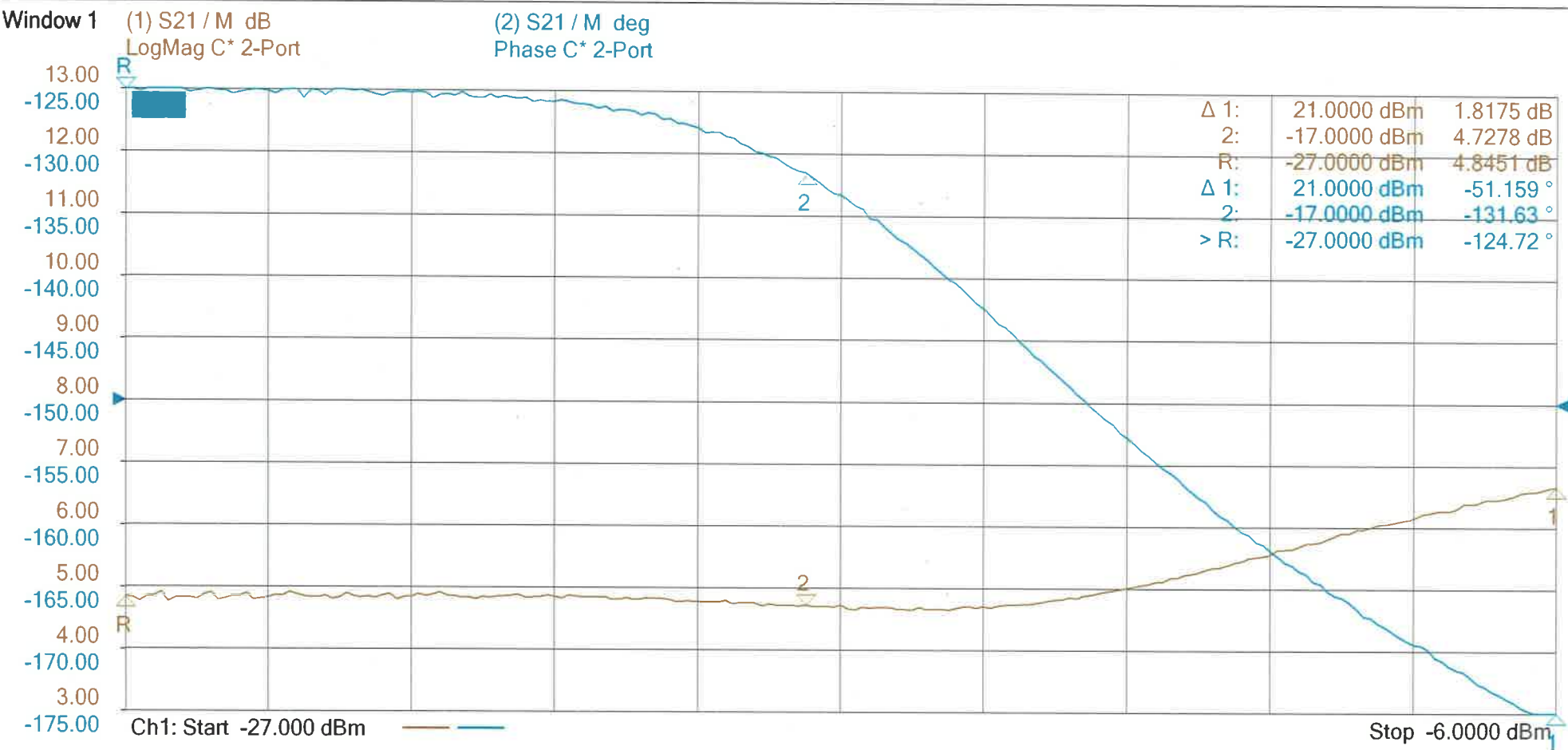
$V_D = 0.43\text{ V}$
 $V_{att} = 1.4\text{ V}$
 $V_{ps} = 3.060\text{ V}$
 $P_{in} = -2\text{ dBm}$



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 13.750000 | 13.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|--------------------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm 1.8260 dB |
| | | | | | | 2 | -17 dBm 0.90223 dB |
| | | | | | | R | -27 dBm 1.0148 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm -43.909 ° |
| | | | | | | 2 | -17 dBm -10.253 ° |
| | | | | | | R | -27 dBm -4.9259 ° |

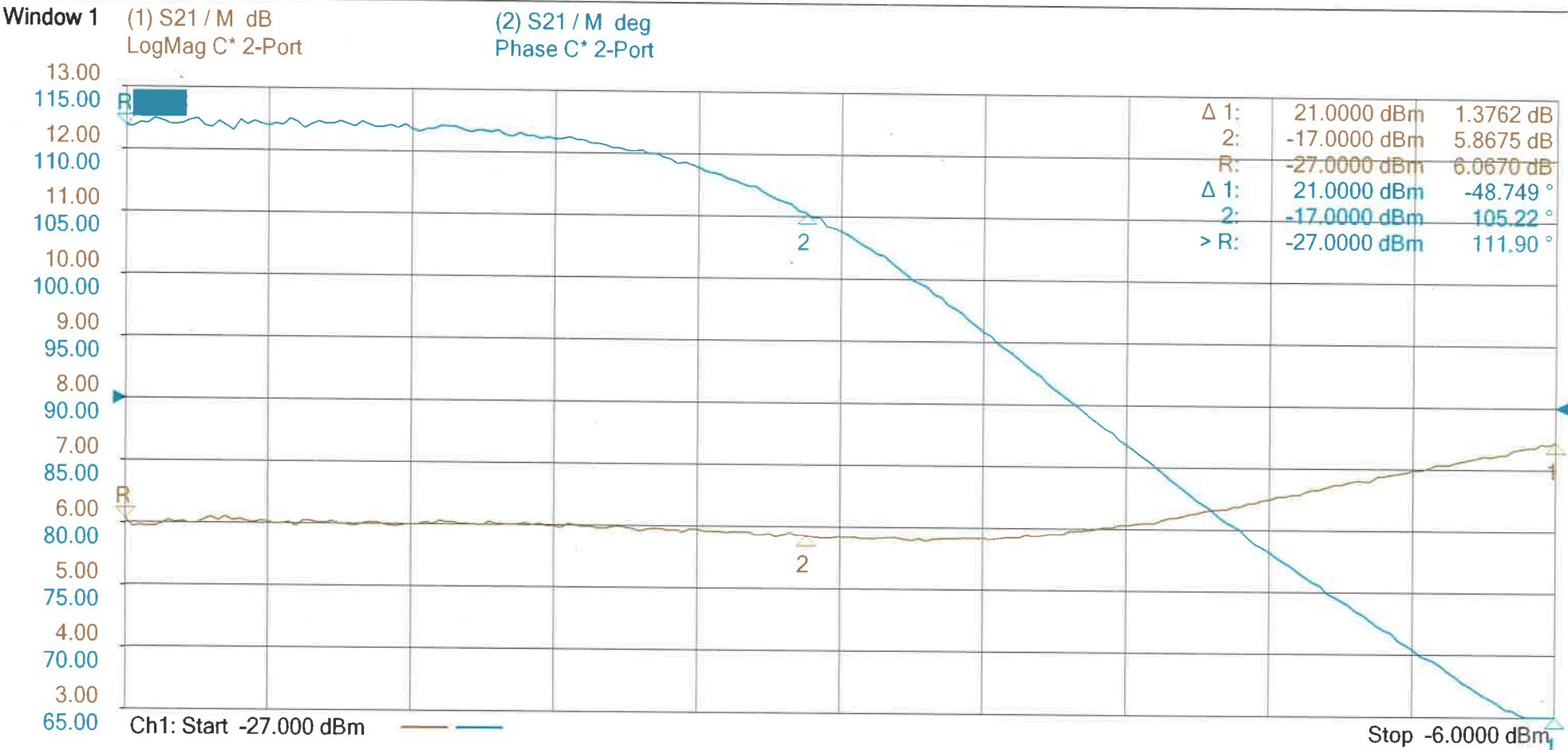
$V_D = 0.43V$
 $V_{att} = 1.4V$
 $V_{ps} = 3.060V$
 $Lin Pin = -7 \text{ to } 14 \text{ dBm}$
 13.75 GHz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.000000 | 14.000000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 1.8175 dB |
| | | | | | | 2 | -17 dBm | 4.7278 dB |
| | | | | | | R | -27 dBm | 4.8451 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -51.159 ° |
| | | | | | | 2 | -17 dBm | -131.63 ° |
| | | | | | | R | -27 dBm | -124.72 ° |

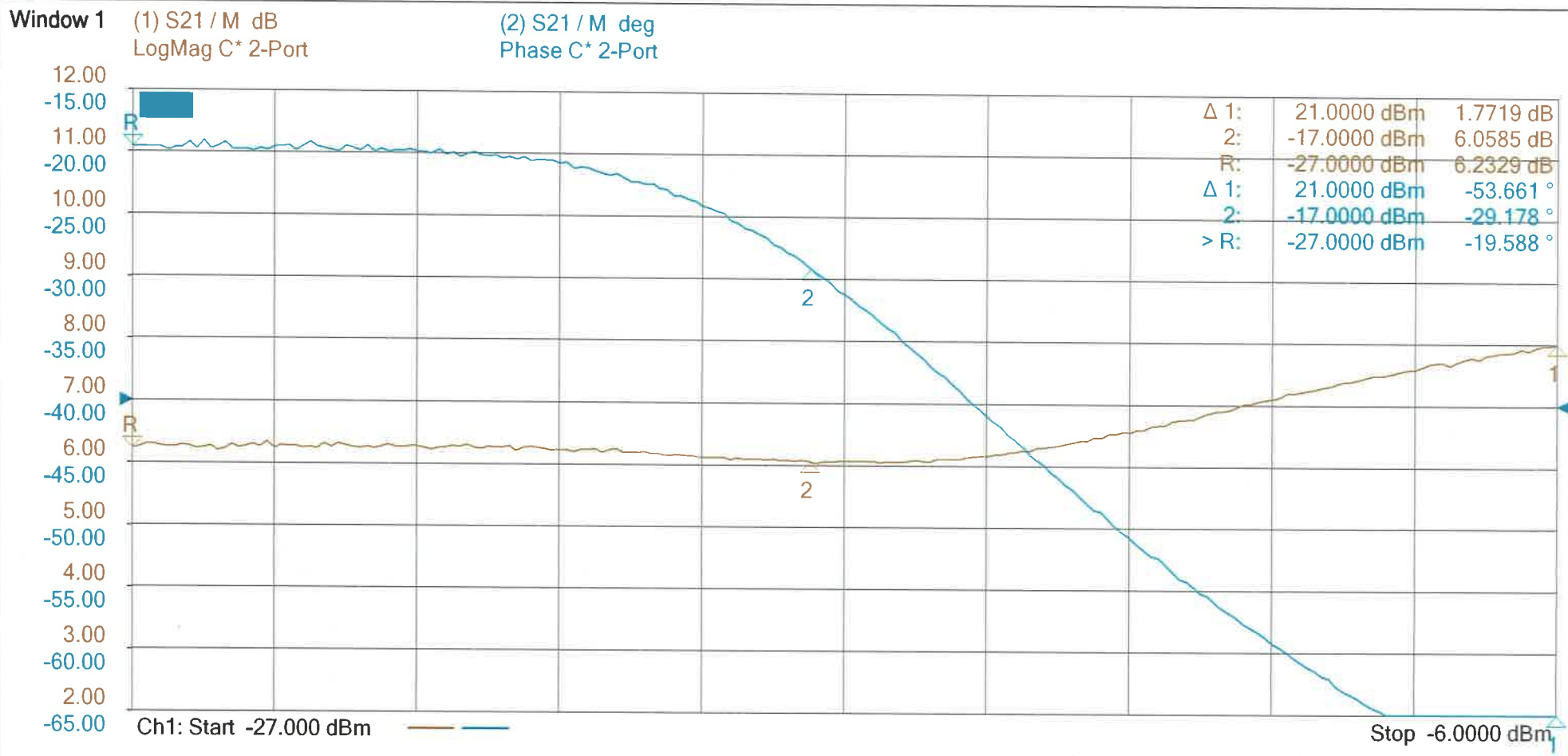
$V_0 = 0.93 V$
 $V_{att} = 1.4 V$
 $V_{ps} = 3.060 V$
 $LinPin = -7 \text{ to } 14 \text{ dBm}$
 14 GHz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.250000 | 14.250000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 1.3762 dB |
| | | | | | | 2 | -17 dBm | 5.8675 dB |
| | | | | | | R | -27 dBm | 6.0670 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -48.749 ° |
| | | | | | | 2 | -17 dBm | 105.22 ° |
| | | | | | | R | -27 dBm | 111.90 ° |

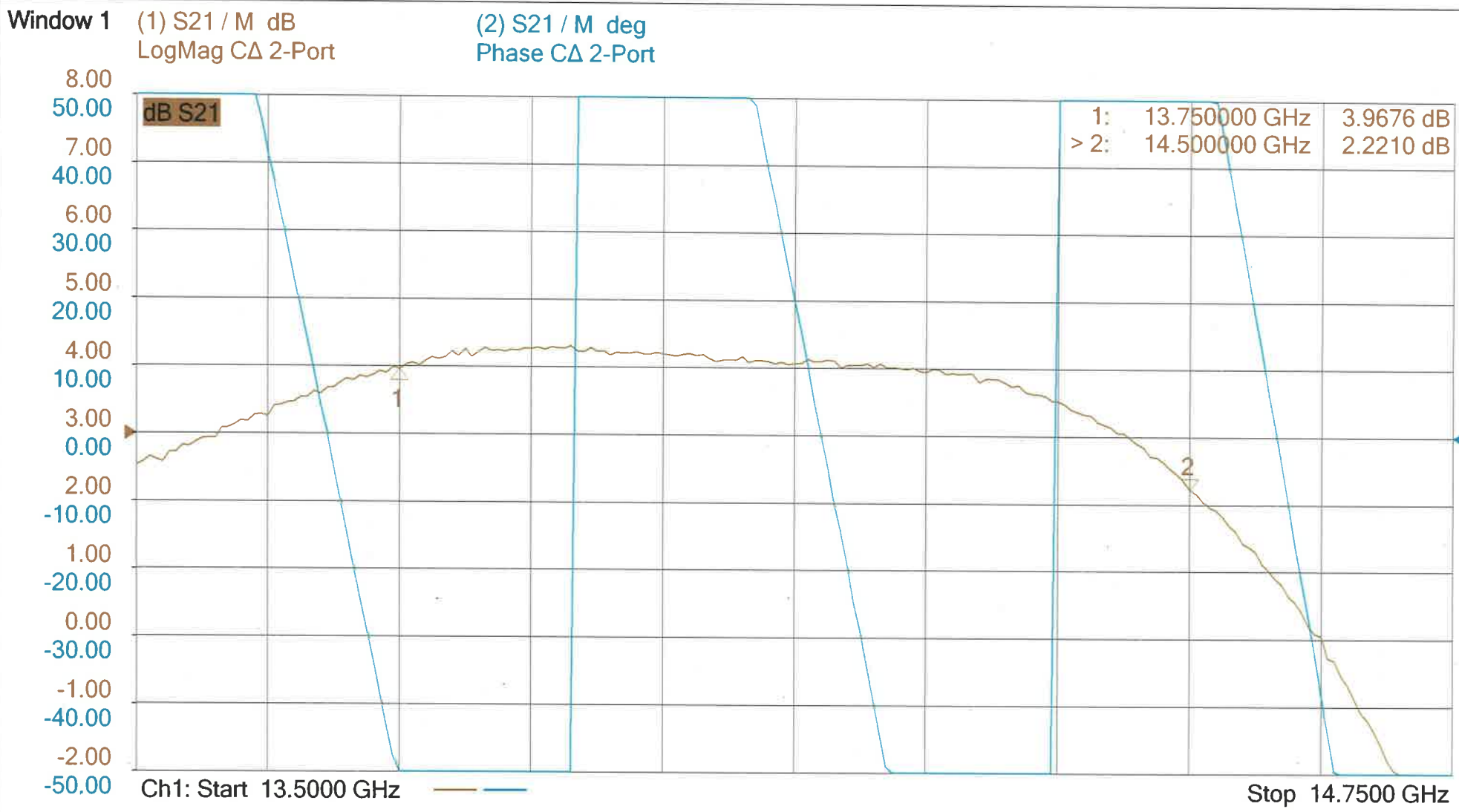
$V_0 = 0.93V$
 $V_{att} = 1.4V$
 $V_{ps} = 3.060V$
 $Lin Pin = -7 \text{ to } 14 \text{ dBm}$
 14.25 GHz



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | Power | 201 | 14.500000 | 14.500000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | 1.7719 dB |
| | | | | | | 2 | -17 dBm | 6.0585 dB |
| | | | | | | R | -27 dBm | 6.2329 dB |
| | 2 | S21 / M | 1 | C* 2-Port | | 1 | 21 dBm | -53.661 ° |
| | | | | | | 2 | -17 dBm | -29.178 ° |
| | | | | | | R | -27 dBm | -19.588 ° |

$V_D = 0.43V$
 $V_{att} = 1.4V$
 $V_{ps} = 3.060V$
 $L_{inPin} = -2 \text{ to } 14 \text{ dBm}$
 14.56 GHz



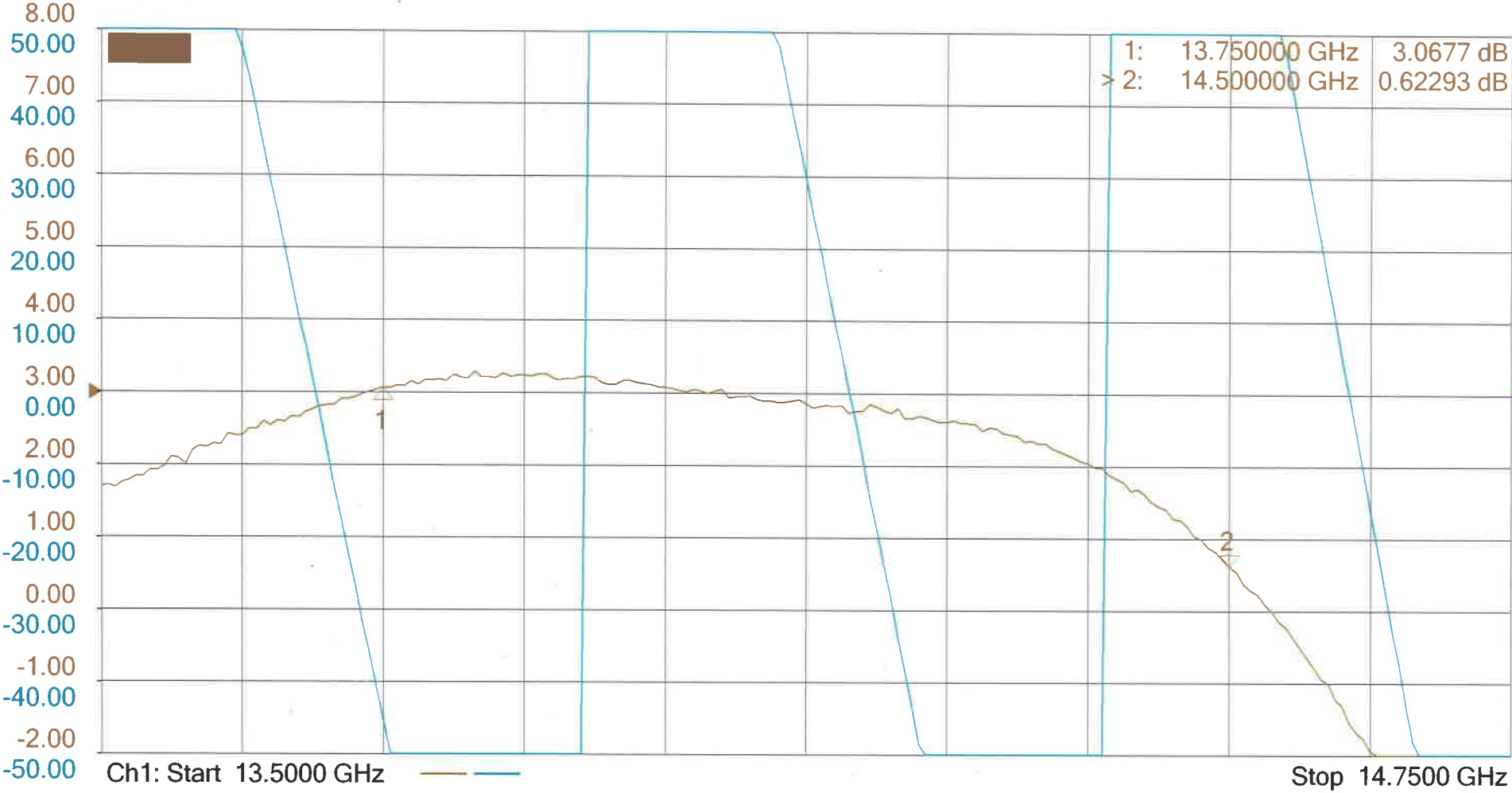
| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|-----------|-----------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz | 3.9676 dB |
| | | | | | | 2 | 14500 MHz | 2.2210 dB |

$V_D = 0.2V$
 $V_{att} = 0V$
 $V_{ps} = 3.060V$
 $P_{in} = -7dBm$

linearizer

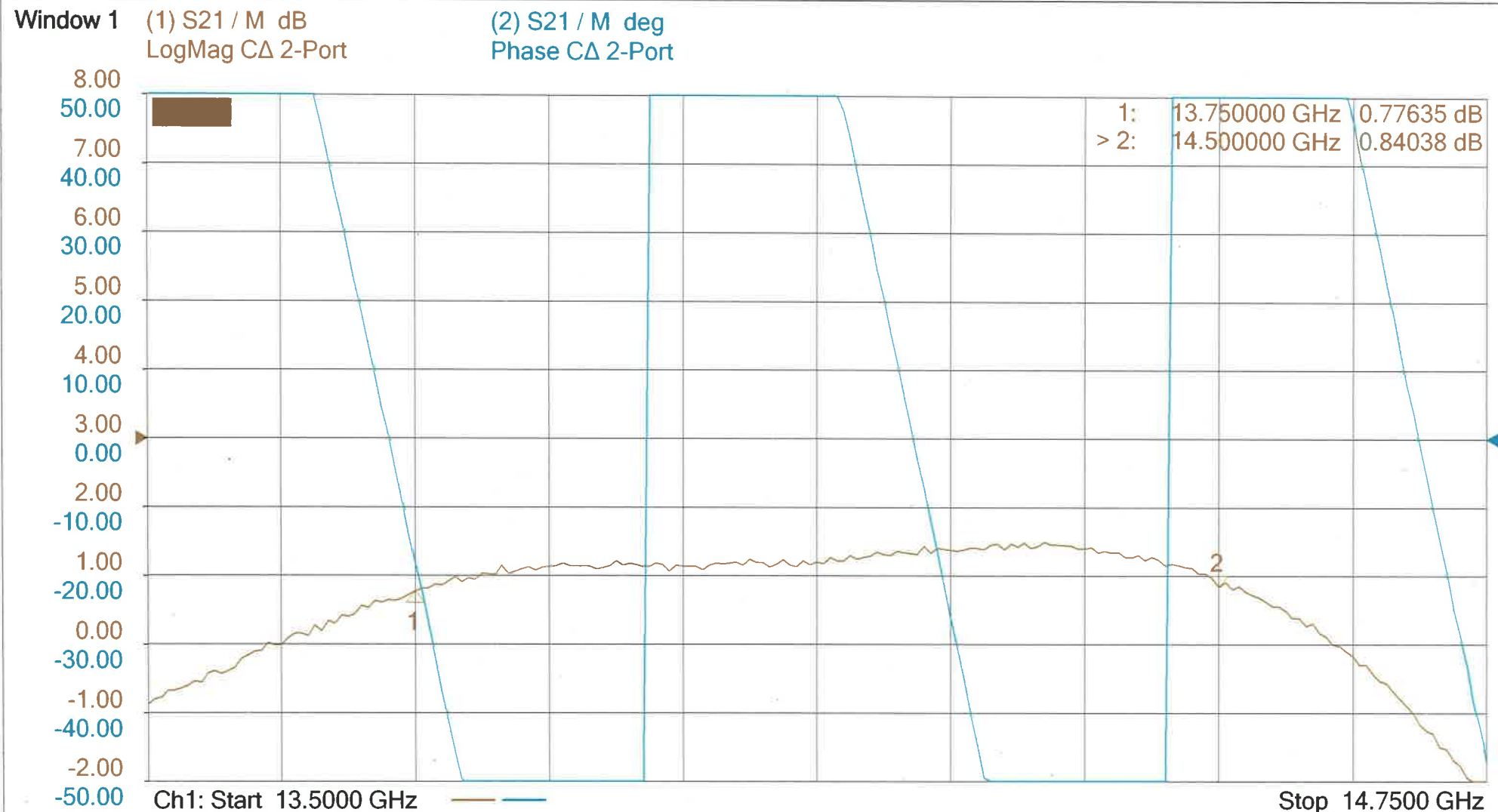
Window 1 (1) S21 / M dB (2) S21 / M deg
LogMag CA 2-Port Phase CA 2-Port



| Channel Settings | | | | | | | | |
|------------------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

| Trace Attributes | | | | | | | |
|------------------|----|---------|---------|------------|---------|--------|----------------------|
| Window | ID | Trace | Channel | Correction | Options | Marker | Response |
| 1 | 1 | S21 / M | 1 | CA 2-Port | | 1 | 13750 MHz 3.0677 dB |
| | | | | | | 2 | 14500 MHz 0.62293 dB |

$V_D = 0.2 V$
 $V_{dth} = 0.56 V$
 $V_{ps} = 3.060 V$
 $P_{in} = -7 dBm$



Channel Settings

| Channel | Sweep Type | Points | Start (GHz) | Stop (GHz) | IF BW (kHz) | Sweep Time (ms) | Pow 1 (dBm) | Pow 2 (dBm) |
|---------|------------|--------|-------------|------------|-------------|-----------------|-------------|-------------|
| 1 | LinFreq | 201 | 13.500000 | 14.750000 | 35.000000 | 6.030000 | -27.000000 | -27.000000 |

Trace Attributes

| Window | ID | Trace | Channel | Correction | Options | Marker | Position | Response |
|--------|----|---------|---------|------------|---------|--------|-----------|------------|
| 1 | 1 | S21 / M | 1 | CΔ 2-Port | | 1 | 13750 MHz | 0.77635 dB |
| | | | | | | 2 | 14500 MHz | 0.84038 dB |

$$V_D = 0.2 \text{ V}$$

$$V_{att} = 4.0 \text{ V}$$

$$V_{ps} = 3.060 \text{ V}$$

$$P_{in} = -7 \text{ dBm}$$