

1.2.14. HE40 IN THE STRADDLE BAND

UNII-2C

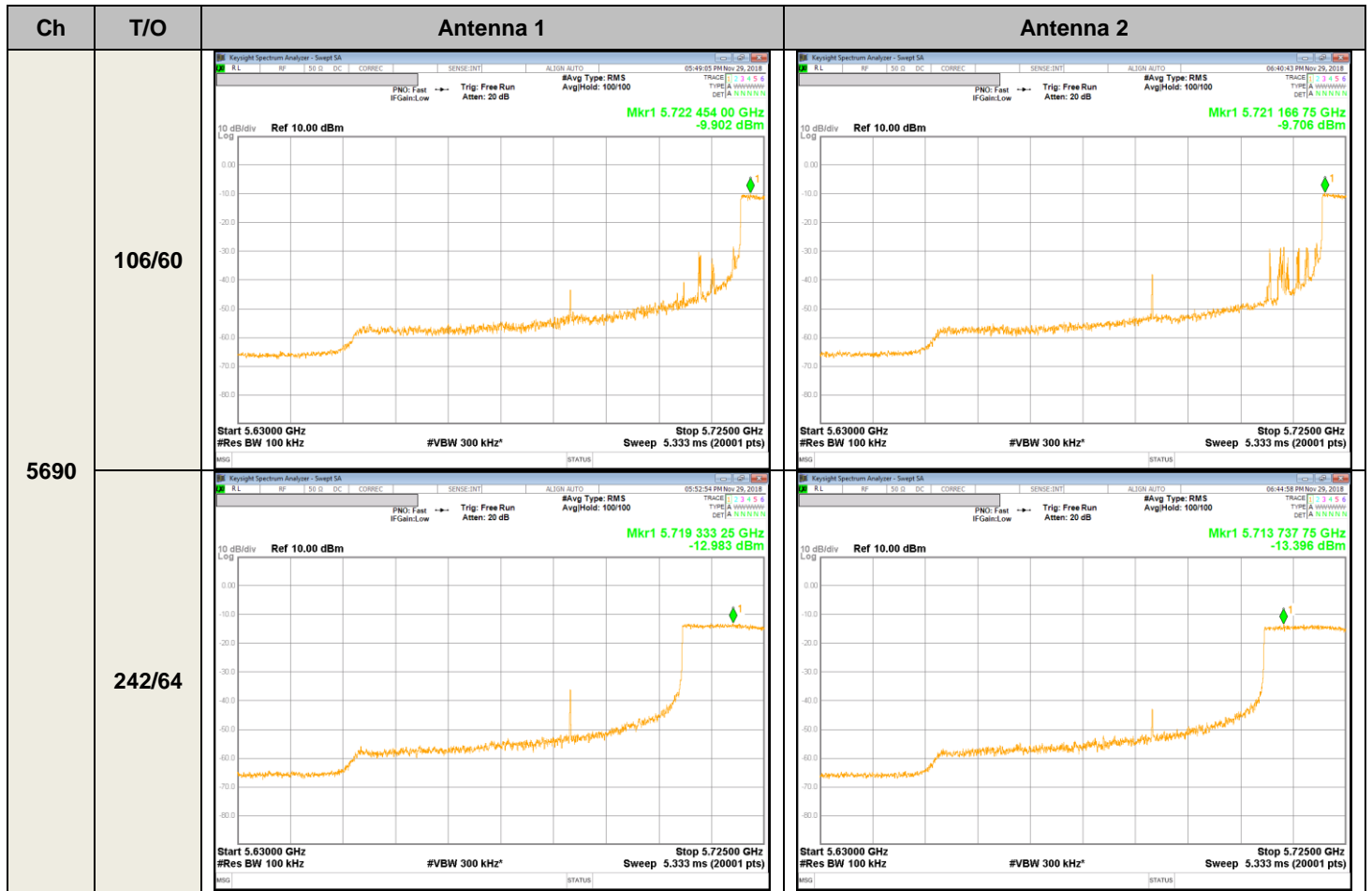
Ch	T/O	Antenna 1	Antenna 2
5710	106/56	<p>Keyight Spectrum Analyzer - Swept SA                      04:14:24 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.723 173 00 GHz                      -9.482 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      03:50:37 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.721 258 25 GHz                      -9.555 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>
	242/62	<p>Keyight Spectrum Analyzer - Swept SA                      04:17:18 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.714 967 25 GHz                      -11.486 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      03:57:12 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.715 973 00 GHz                      -11.487 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>
	SU	<p>Keyight Spectrum Analyzer - Swept SA                      04:19:44 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.704 927 75 GHz                      -11.519 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      04:00:24 PM Nov 29, 2018                      #Avg Type: RMS                      Avg/Hold: 100/100                      Mkr1 5.703 789 25 GHz                      -11.597 dBm                      Start 5.68000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.72500 GHz Sweep 2.667 ms (20001 pts)</p>

UNII-3

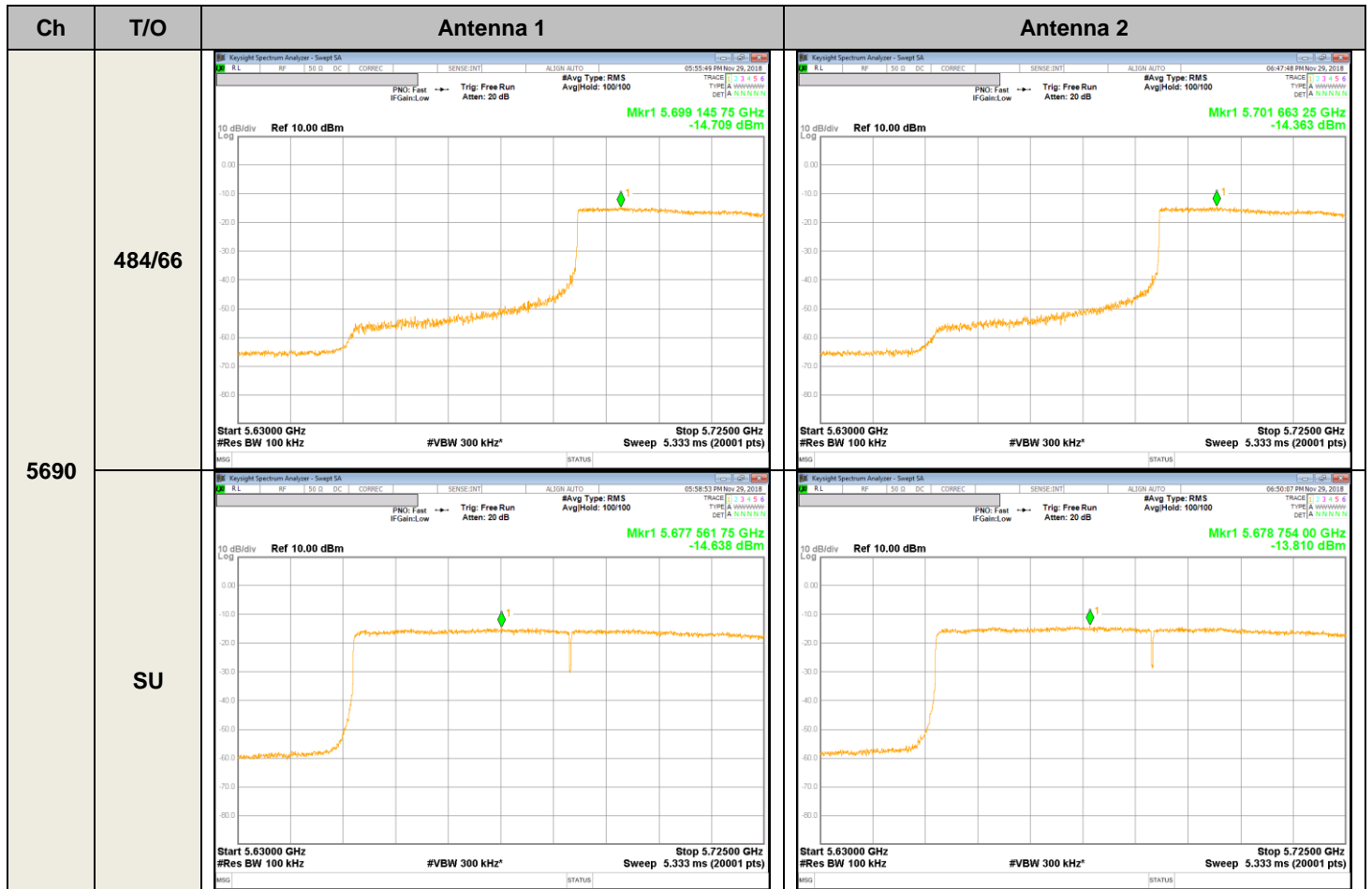
Ch	T/O	Antenna 1	Antenna 2
5710	106/56	<p>Keyight Spectrum Analyzer - Swept SA                      04:15:11 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.725 100 0 GHz -9.663 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      03:54:28 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.727 636 0 GHz -9.842 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>
	242/62	<p>Keyight Spectrum Analyzer - Swept SA                      04:18:04 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.727 370 0 GHz -12.472 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      03:57:53 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.727 470 0 GHz -12.455 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>
	SU	<p>Keyight Spectrum Analyzer - Swept SA                      04:19:09 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.727 518 5 GHz -12.434 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>Keyight Spectrum Analyzer - Swept SA                      03:59:45 PM Nov 29, 2018                      PNO: Wide IF Gain: Low Trig: Free Run Atten: 20 dB Avg Type: RMS Avg Hold: 100/100                      Mkr1 5.725 004 0 GHz -11.940 dBm                      Ref 10.00 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>

1.2.15. HE80 IN THE STRADDLE BAND

UNII-2C



UNII-2C



UNII-3

Ch	T/O	Antenna 1	Antenna 2
5690	106/60	<p>KeySight Spectrum Analyzer - Swept SA                  05:45:56 PM Nov 29, 2018                  Mkr1 5.728 495 0 GHz                  -10.580 dBm                  Ref 10.00 dBm                  Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>KeySight Spectrum Analyzer - Swept SA                  06:41:45 PM Nov 29, 2018                  Mkr1 5.727 548 0 GHz                  -10.336 dBm                  Ref 10.00 dBm                  Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>
	242/64	<p>KeySight Spectrum Analyzer - Swept SA                  05:53:43 PM Nov 29, 2018                  Mkr1 5.727 310 5 GHz                  -13.792 dBm                  Ref 10.00 dBm                  Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>KeySight Spectrum Analyzer - Swept SA                  06:45:44 PM Nov 29, 2018                  Mkr1 5.727 191 0 GHz                  -14.733 dBm                  Ref 10.00 dBm                  Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>

UNII-3

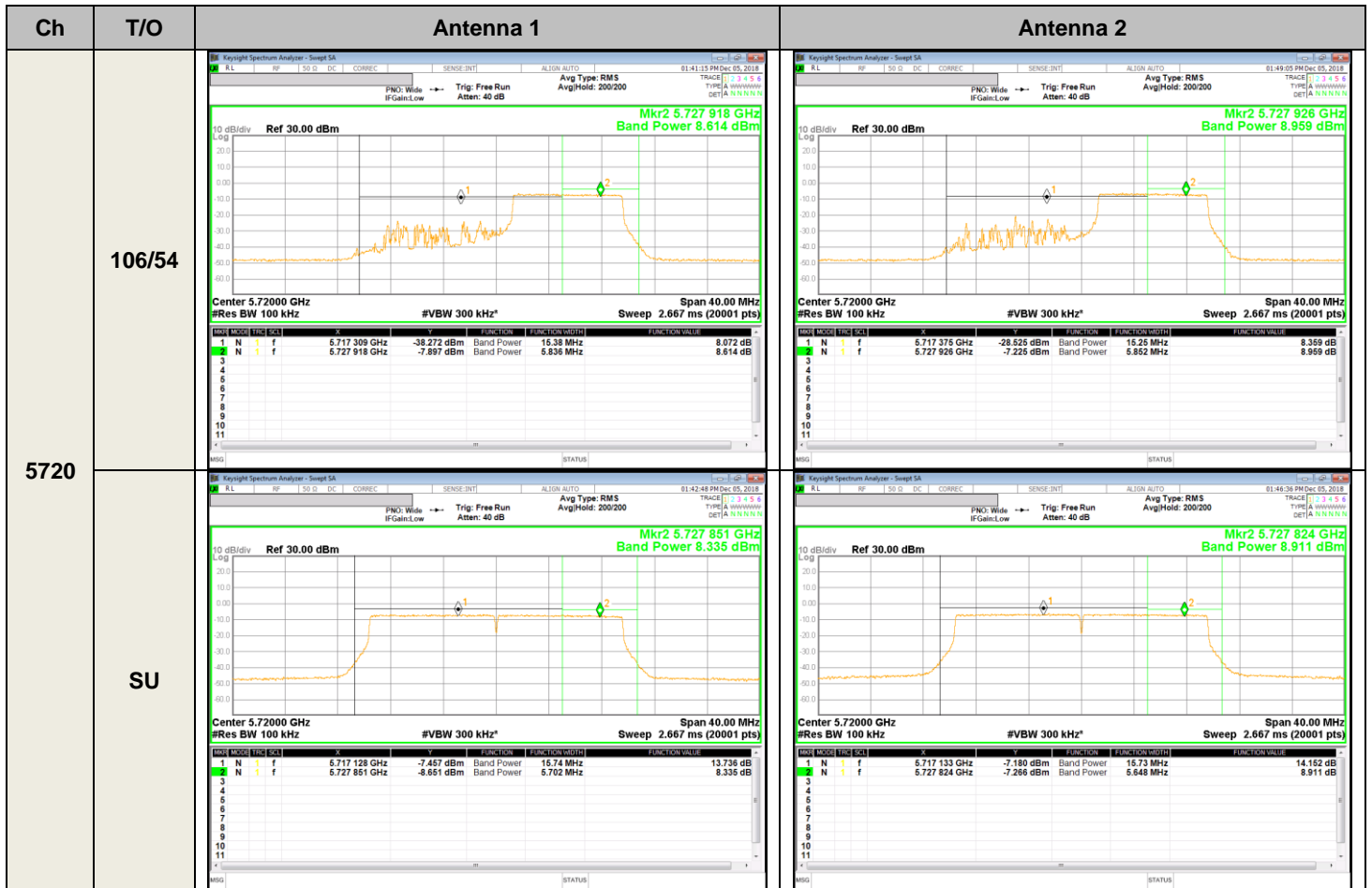
Ch	T/O	Antenna 1	Antenna 2
5690	484/66	<p>KeySight Spectrum Analyzer - Swept SA                      Ref 10.00 dBm                      Mkr1 5.727 415 0 GHz                      -16.517 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>KeySight Spectrum Analyzer - Swept SA                      Ref 10.00 dBm                      Mkr1 5.727 115 5 GHz                      -16.716 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>
	SU	<p>KeySight Spectrum Analyzer - Swept SA                      Ref 10.00 dBm                      Mkr1 5.726 290 0 GHz                      -16.992 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>	<p>KeySight Spectrum Analyzer - Swept SA                      Ref 10.00 dBm                      Mkr1 5.727 410 5 GHz                      -16.340 dBm                      Start 5.725000 GHz #Res BW 100 kHz #VBW 300 kHz* Stop 5.735000 GHz Sweep 5.333 ms (20001 pts)</p>

## 2. Band Power in the straddle band

T/O: Tones / Offset

### 2.1. 1TX

#### 2.1.1. HE20 IN THE STRADDLE BAND



### 2.1.2. HE40 IN THE STRADDLE BAND

Ch	T/O	Antenna 1	Antenna 2																																										
5710	106/56	<p>Mkr2 5.727 564 GHz Band Power 7.916 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.714 691</td> <td>-30.095</td> <td>Band Power</td> <td>20.62</td> <td>8.685</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 564</td> <td>-7.817</td> <td>Band Power</td> <td>5.128</td> <td>7.916</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.714 691	-30.095	Band Power	20.62	8.685	2	N	5.727 564	-7.817	Band Power	5.128	7.916	<p>Mkr2 5.727 532 GHz Band Power 7.998 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.717 103</td> <td>-36.586</td> <td>Band Power</td> <td>15.79</td> <td>8.780</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 532</td> <td>-8.164</td> <td>Band Power</td> <td>5.064</td> <td>7.998</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.717 103	-36.586	Band Power	15.79	8.780	2	N	5.727 532	-8.164	Band Power	5.064	7.998
	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																						
	1	N	5.714 691	-30.095	Band Power	20.62	8.685																																						
2	N	5.727 564	-7.817	Band Power	5.128	7.916																																							
Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																							
1	N	5.717 103	-36.586	Band Power	15.79	8.780																																							
2	N	5.727 532	-8.164	Band Power	5.064	7.998																																							
242/62	<p>Mkr2 5.727 492 GHz Band Power 4.603 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.710 559</td> <td>-10.245</td> <td>Band Power</td> <td>28.88</td> <td>11.005</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 492</td> <td>-10.829</td> <td>Band Power</td> <td>4.984</td> <td>4.603</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.710 559	-10.245	Band Power	28.88	11.005	2	N	5.727 492	-10.829	Band Power	4.984	4.603	<p>Mkr2 5.727 744 GHz Band Power 5.074 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.711 539</td> <td>-9.898</td> <td>Band Power</td> <td>26.72</td> <td>11.671</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 744</td> <td>-10.817</td> <td>Band Power</td> <td>5.488</td> <td>5.074</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.711 539	-9.898	Band Power	26.72	11.671	2	N	5.727 744	-10.817	Band Power	5.488	5.074	
Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																							
1	N	5.710 559	-10.245	Band Power	28.88	11.005																																							
2	N	5.727 492	-10.829	Band Power	4.984	4.603																																							
Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																							
1	N	5.711 539	-9.898	Band Power	26.72	11.671																																							
2	N	5.727 744	-10.817	Band Power	5.488	5.074																																							
SU	<p>Mkr2 5.727 508 GHz Band Power 2.710 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.707 603</td> <td>-11.863</td> <td>Band Power</td> <td>34.79</td> <td>12.833</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 508</td> <td>-12.683</td> <td>Band Power</td> <td>5.012</td> <td>2.710</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.707 603	-11.863	Band Power	34.79	12.833	2	N	5.727 508	-12.683	Band Power	5.012	2.710	<p>Mkr2 5.727 644 GHz Band Power 3.108 dBm</p> <p>Center 5.71000 GHz #Res BW 100 kHz #VBW 300 kHz* Sweep 4.000 ms (20001 pts)</p> <table border="1"> <thead> <tr> <th>Mk</th> <th>Mode</th> <th>Freq [GHz]</th> <th>Power [dBm]</th> <th>Function</th> <th>Width [MHz]</th> <th>Value [dB]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>5.707 539</td> <td>-11.817</td> <td>Band Power</td> <td>34.92</td> <td>13.141</td> </tr> <tr> <td>2</td> <td>N</td> <td>5.727 644</td> <td>-12.465</td> <td>Band Power</td> <td>5.288</td> <td>3.108</td> </tr> </tbody> </table>	Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]	1	N	5.707 539	-11.817	Band Power	34.92	13.141	2	N	5.727 644	-12.465	Band Power	5.288	3.108	
Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																							
1	N	5.707 603	-11.863	Band Power	34.79	12.833																																							
2	N	5.727 508	-12.683	Band Power	5.012	2.710																																							
Mk	Mode	Freq [GHz]	Power [dBm]	Function	Width [MHz]	Value [dB]																																							
1	N	5.707 539	-11.817	Band Power	34.92	13.141																																							
2	N	5.727 644	-12.465	Band Power	5.288	3.108																																							



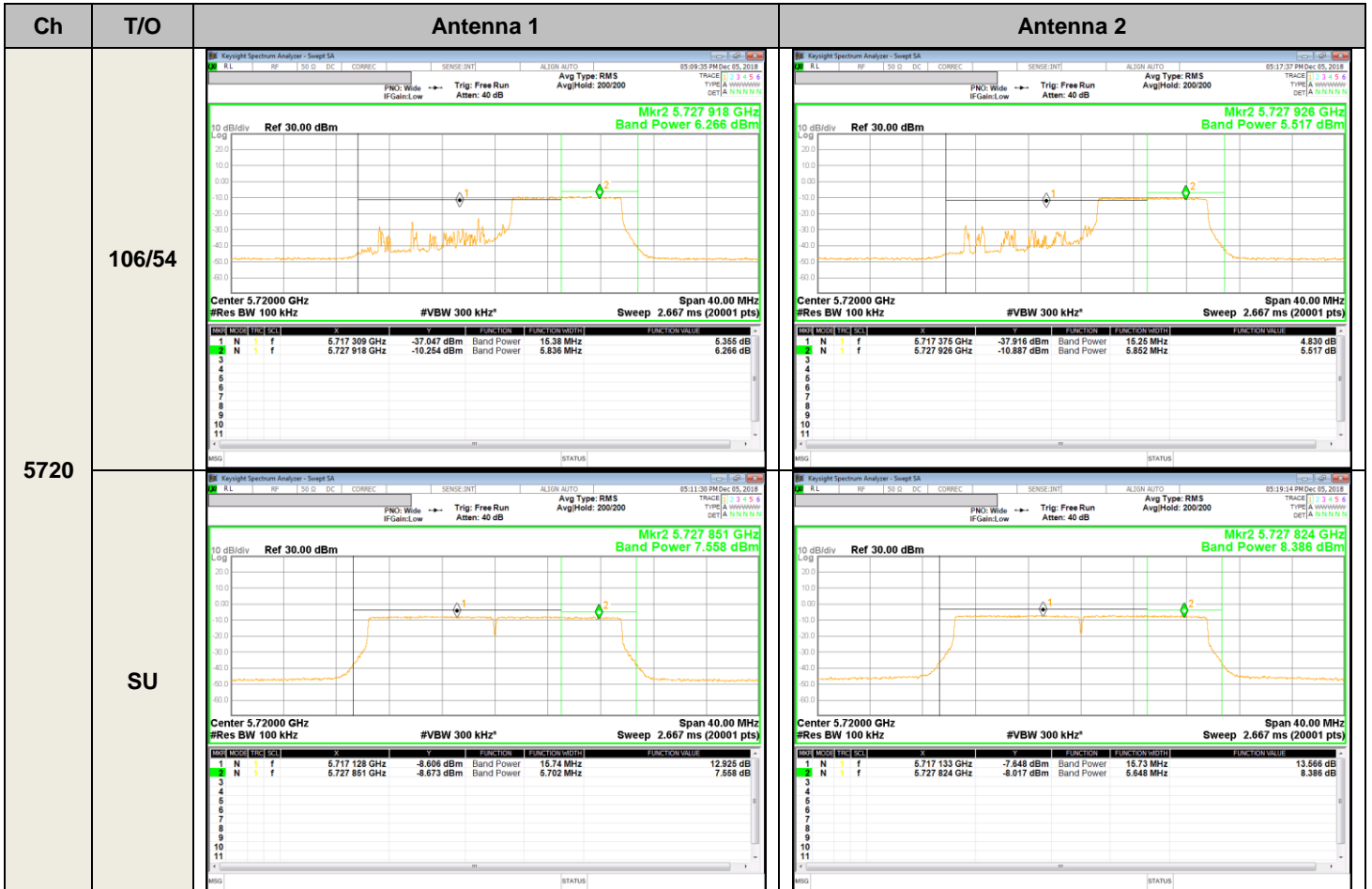
### 2.1.3. HE80 IN THE STRADDLE BAND





## 2.2. 2TX

### 2.2.1. HE20 IN THE STRADDLE BAND



### 2.2.2. HE40 IN THE STRADDLE BAND

Ch	T/O	Antenna 1	Antenna 2																								
5710	106/56	<p>Mkr2 5.727 564 GHz Band Power 5.241 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.714 691</td> <td>-31.120</td> <td>20.62</td> </tr> <tr> <td>2</td> <td>5.727 564</td> <td>-10.362</td> <td>5.128</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.714 691	-31.120	20.62	2	5.727 564	-10.362	5.128	<p>Mkr2 5.727 532 GHz Band Power 4.949 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.717 103</td> <td>-34.946</td> <td>16.79</td> </tr> <tr> <td>2</td> <td>5.727 532</td> <td>-10.707</td> <td>5.064</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.717 103	-34.946	16.79	2	5.727 532	-10.707	5.064
	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																							
	1	5.714 691	-31.120	20.62																							
2	5.727 564	-10.362	5.128																								
Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																								
1	5.717 103	-34.946	16.79																								
2	5.727 532	-10.707	5.064																								
242/62	<p>Mkr2 5.727 492 GHz Band Power 1.897 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.710 559</td> <td>-12.908</td> <td>28.88</td> </tr> <tr> <td>2</td> <td>5.727 492</td> <td>-13.376</td> <td>4.984</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.710 559	-12.908	28.88	2	5.727 492	-13.376	4.984	<p>Mkr2 5.727 744 GHz Band Power 2.015 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.711 639</td> <td>-12.708</td> <td>26.72</td> </tr> <tr> <td>2</td> <td>5.727 744</td> <td>-13.767</td> <td>5.488</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.711 639	-12.708	26.72	2	5.727 744	-13.767	5.488	
Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																								
1	5.710 559	-12.908	28.88																								
2	5.727 492	-13.376	4.984																								
Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																								
1	5.711 639	-12.708	26.72																								
2	5.727 744	-13.767	5.488																								
SU	<p>Mkr2 5.727 506 GHz Band Power 2.280 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.707 603</td> <td>-12.326</td> <td>34.79</td> </tr> <tr> <td>2</td> <td>5.727 506</td> <td>-13.201</td> <td>5.012</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.707 603	-12.326	34.79	2	5.727 506	-13.201	5.012	<p>Mkr2 5.727 644 GHz Band Power 2.678 dBm</p> <table border="1"> <thead> <tr> <th>Marker</th> <th>Freq (GHz)</th> <th>Power (dBm)</th> <th>Bandwidth (MHz)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.707 539</td> <td>-12.082</td> <td>34.92</td> </tr> <tr> <td>2</td> <td>5.727 644</td> <td>-12.873</td> <td>5.288</td> </tr> </tbody> </table>	Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)	1	5.707 539	-12.082	34.92	2	5.727 644	-12.873	5.288	
Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																								
1	5.707 603	-12.326	34.79																								
2	5.727 506	-13.201	5.012																								
Marker	Freq (GHz)	Power (dBm)	Bandwidth (MHz)																								
1	5.707 539	-12.082	34.92																								
2	5.727 644	-12.873	5.288																								

### 2.2.3. HE80 IN THE STRADDLE BAND

