


**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

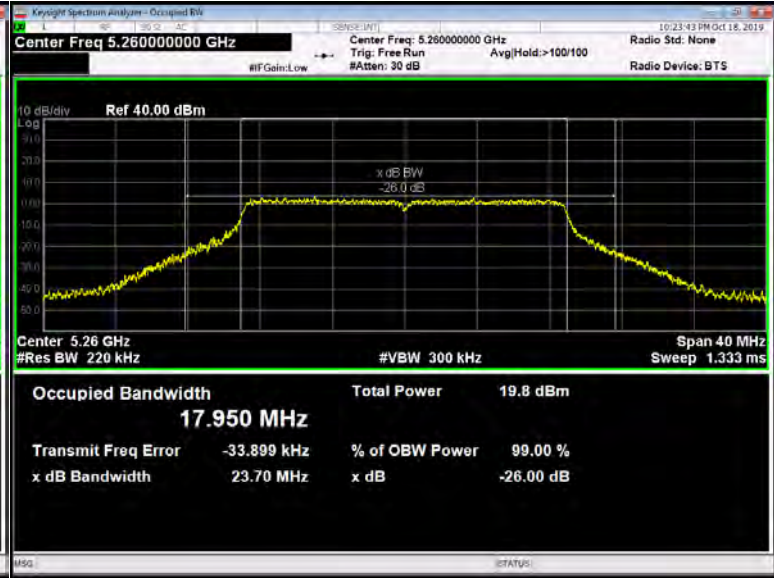
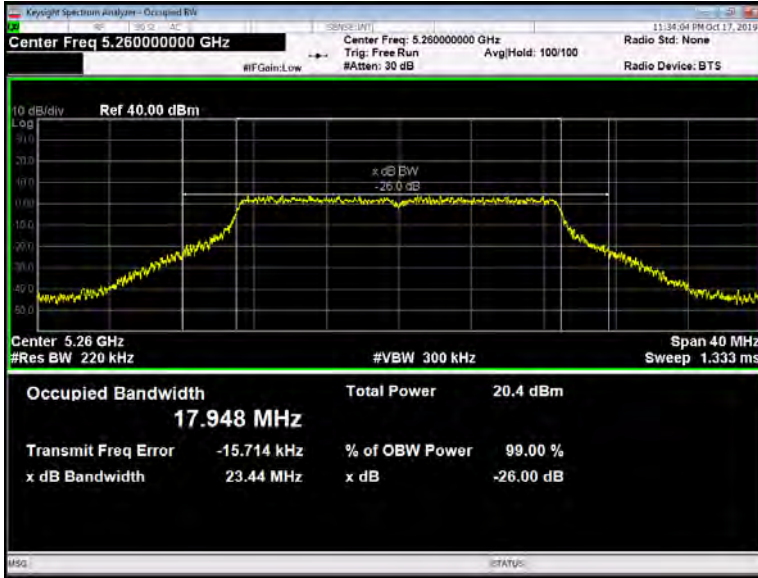
**6/26 dB Bandwidth and Occupied Bandwidth Test**

<b>Company:</b>	Airspan Networks			<b>Test Date:</b>	10/17/2019		
<b>EUT Name:</b>	Access Point			<b>Test Engineer:</b>	Andreas Davidsson		
<b>Model:</b>	A5x			<b>Test Result:</b>	PASS		
<b>Operating Mode:</b>	TX Mode						
<b>Mode</b>	<b>Antenna</b>	<b>Test CH</b>	<b>Frequency (MHz)</b>	<b>6/26 dB Bandwidth (MHz)</b>	<b>99% Occupied Bandwidth (MHz)</b>	<b>6/26 dB Bandwidth Limit (MHz)</b>	<b>Conclusion</b>
<b>U-NII-2A</b>	1	52	5260	23.44	17.948	≥ 0.5	PASS
	2	52	5260	23.70	17.950	≥ 0.5	PASS
	1	60	5300	23.35	17.965	≥ 0.5	PASS
	2	60	5300	23.77	17.961	≥ 0.5	PASS
	1	64	5320	23.90	17.920	≥ 0.5	PASS
	2	64	5320	23.71	17.902	≥ 0.5	PASS
	1	54	5270	42.63	36.471	≥ 0.5	PASS
	2	54	5270	42.34	36.399	≥ 0.5	PASS
	1	62	5310	42.72	36.539	≥ 0.5	PASS
	2	62	5310	42.25	36.376	≥ 0.5	PASS
	1	58	5290	90.11	75.583	≥ 0.5	PASS
	2	58	5290	92.35	75.305	≥ 0.5	PASS
<b>U-NII-2C</b>	1	100	5500	24.01	17.945	≥ 0.5	PASS
	2	100	5500	24.21	17.916	≥ 0.5	PASS
	1	120	5600	23.75	18.022	≥ 0.5	PASS
	2	120	5600	23.88	17.965	≥ 0.5	PASS
	1	140	5700	23.82	17.933	≥ 0.5	PASS
	2	140	5700	23.64	17.928	≥ 0.5	PASS
	1	102	5510	42.55	36.385	≥ 0.5	PASS
	2	102	5510	42.33	36.367	≥ 0.5	PASS
	1	118	5590	42.33	36.343	≥ 0.5	PASS
	2	118	5590	42.00	36.350	≥ 0.5	PASS
	1	134	5670	42.22	36.337	≥ 0.5	PASS
	2	134	5670	41.89	36.300	≥ 0.5	PASS
	1	106	5530	93.08	75.421	≥ 0.5	PASS
	2	106	5530	92.35	75.320	≥ 0.5	PASS
	1	122	5610	90.67	75.224	≥ 0.5	PASS
	2	122	5610	92.63	75.265	≥ 0.5	PASS
Test Equipment: Please refer to section 5.2							

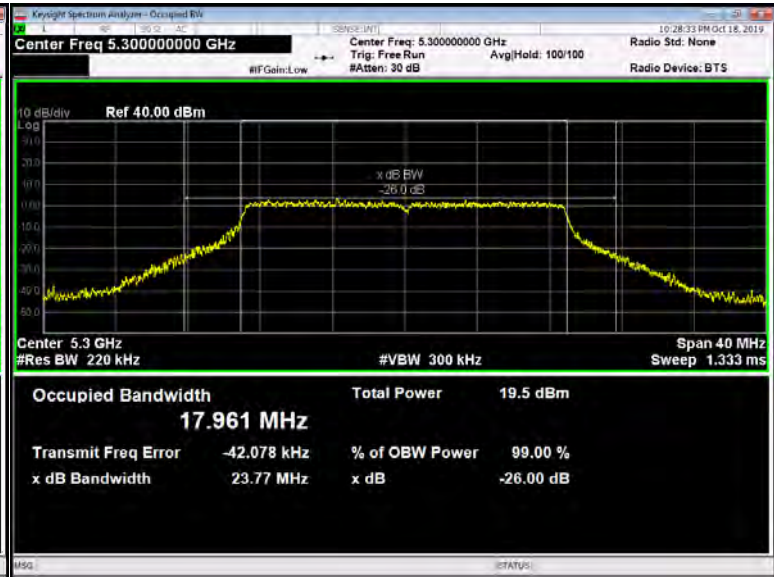
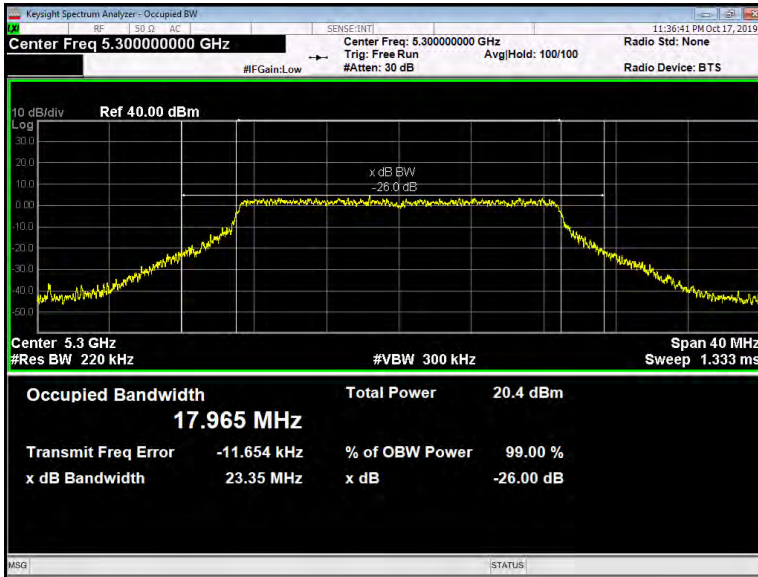


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### Antenna 1 + 2 Channel 52 (5260MHz)



### Antenna 1 + 2 Channel 60 (5300MHz)



Keysight Spectrum Analyzer - Occupied BW

RF 50 Ω AC SENSE:INT

Center Freq 5.30000000 GHz

Center Freq: 5.300000000 GHz  
 Trig: Free Run  
 Avg|Hold: 100/100  
 #IFGain:Low #Atten: 30 dB



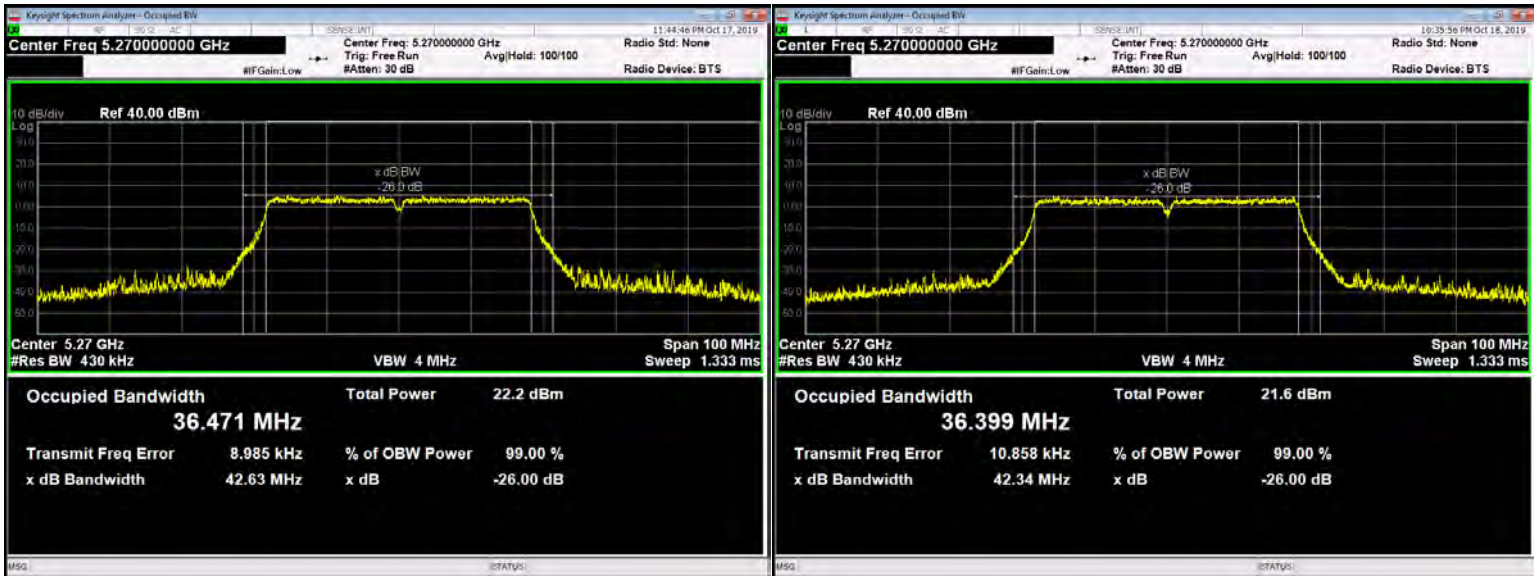
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**Antenna 1 + 2  
Channel 64 (5320MHz)**



**Antenna 1 + 2  
Channel 54 (5270MHz)**



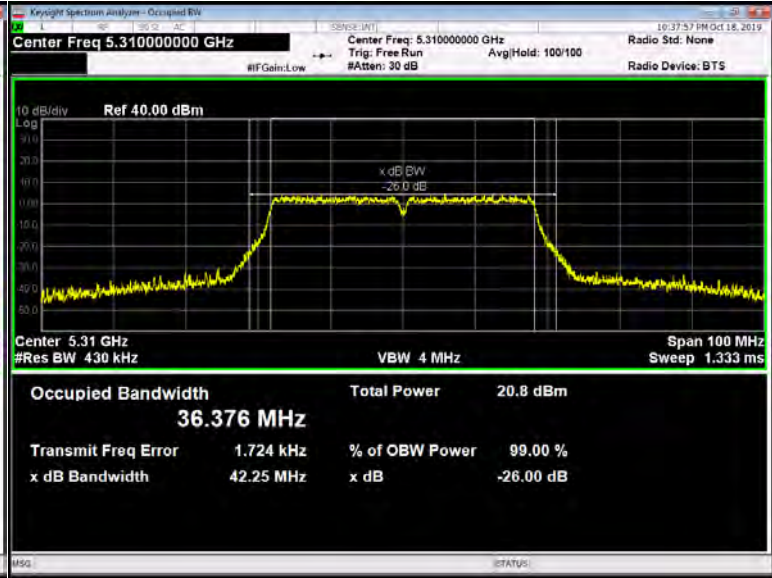
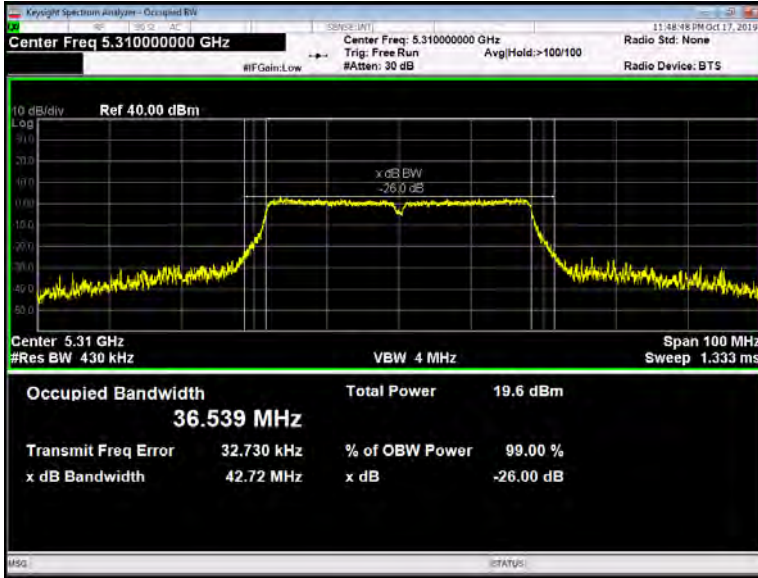




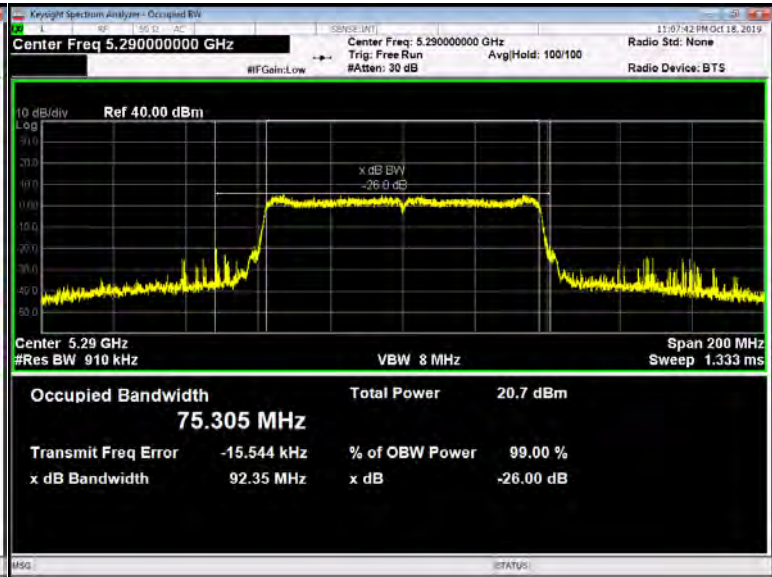
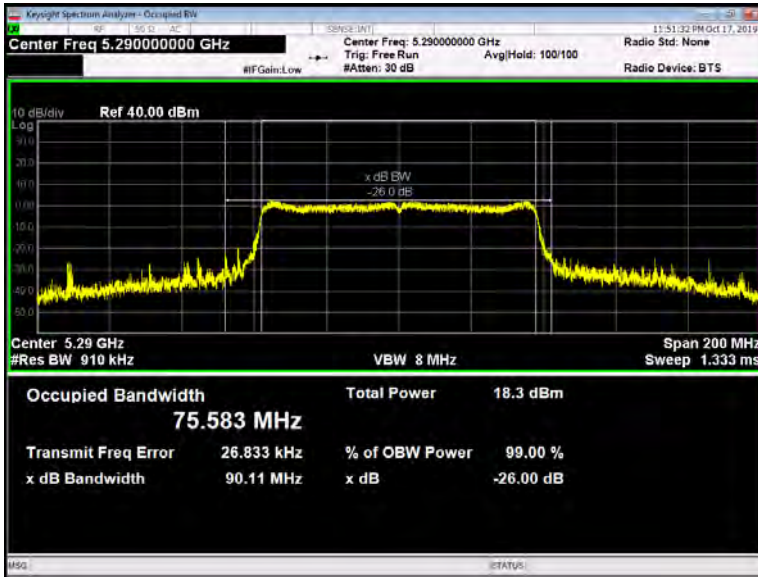
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**Antenna 1 + 2  
Channel 62 (5310MHz)**



**Antenna 1 + 2  
Channel 58 (5290MHz)**

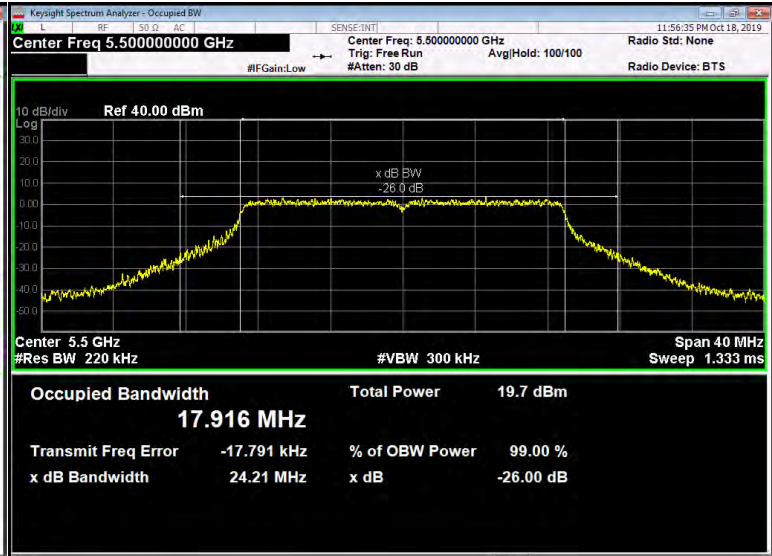




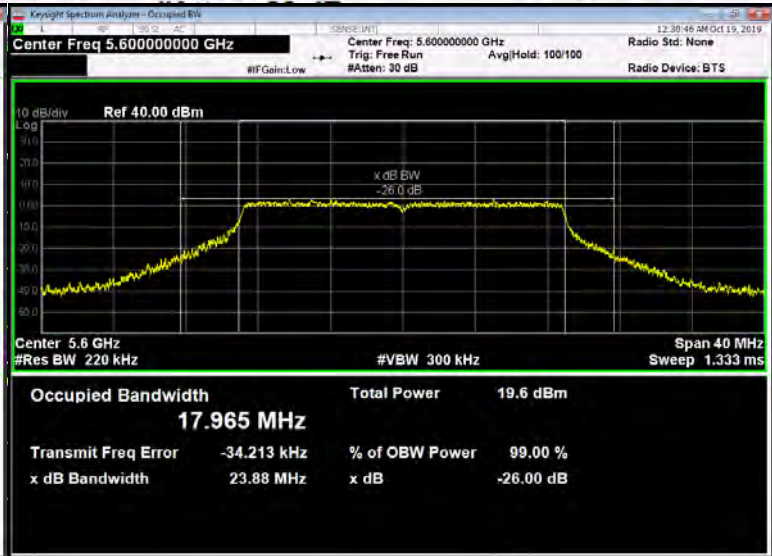
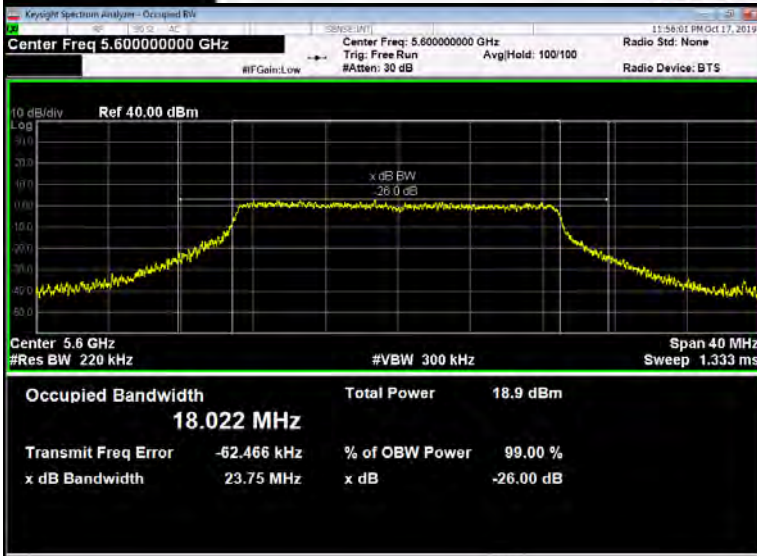
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## Antenna 1 + 2 Channel 100 (5500MHz)



## Antenna 1 + 2 Channel 100 (5600MHz)



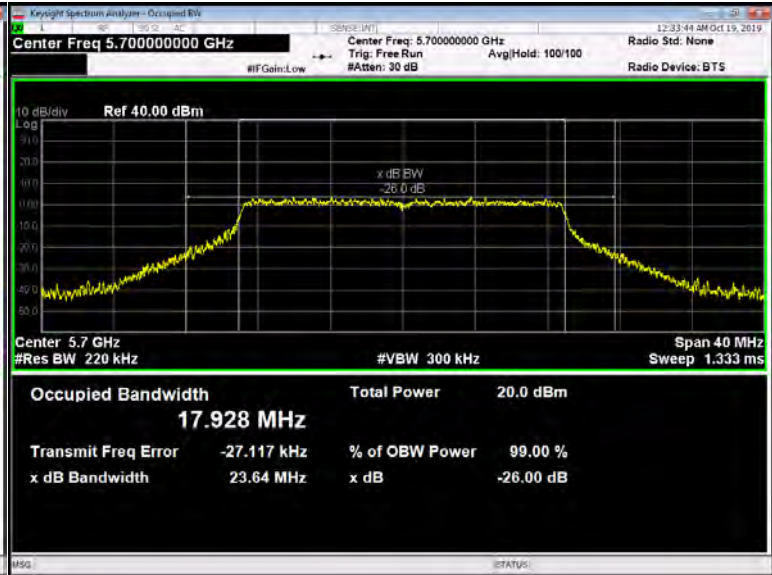
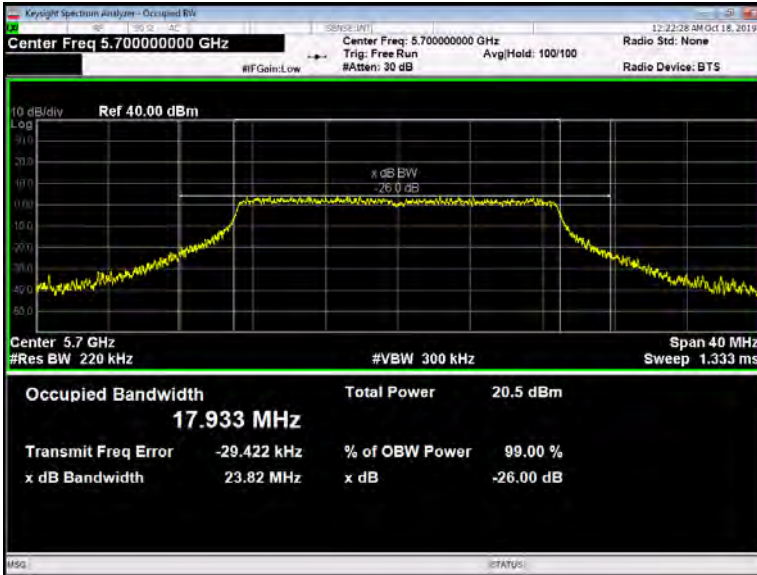




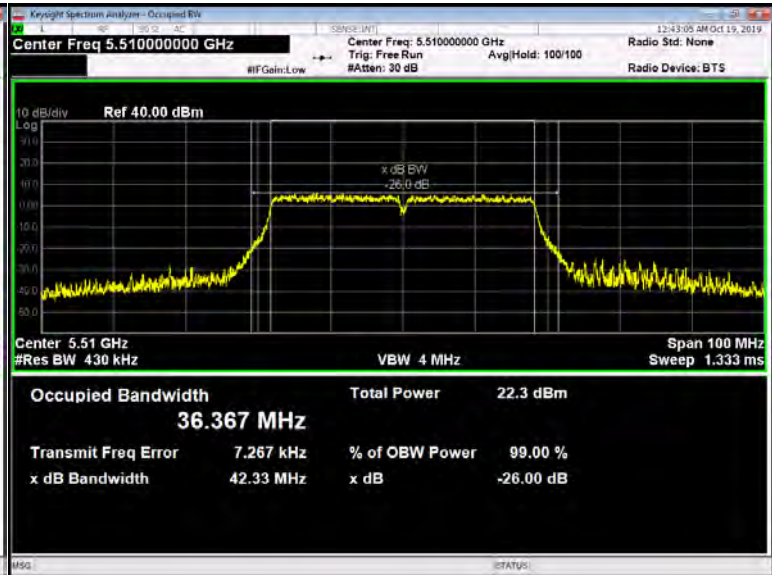
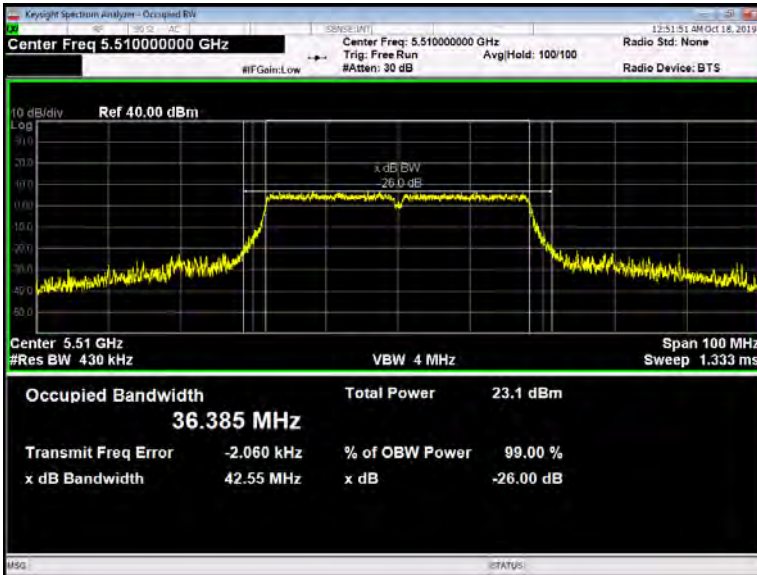
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**Antenna 1 + 2  
Channel 140 (5700MHz)**



**Antenna 1 + 2  
Channel 102 (5510MHz)**

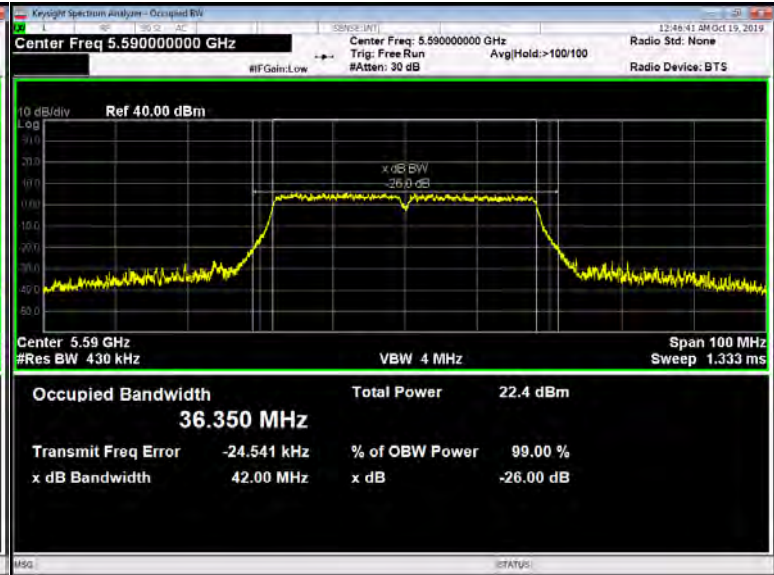
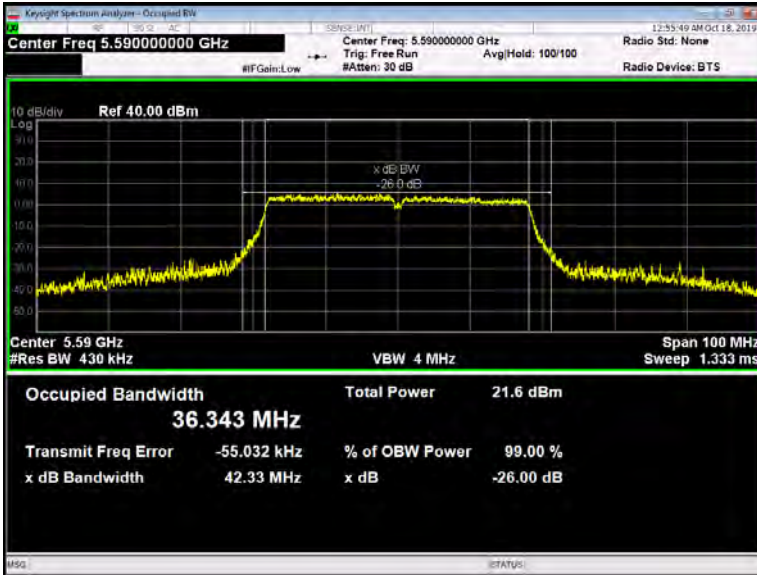




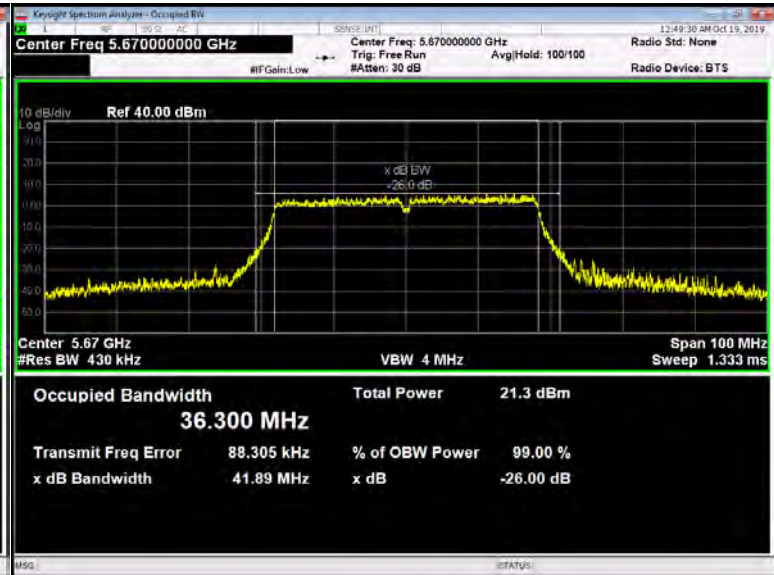
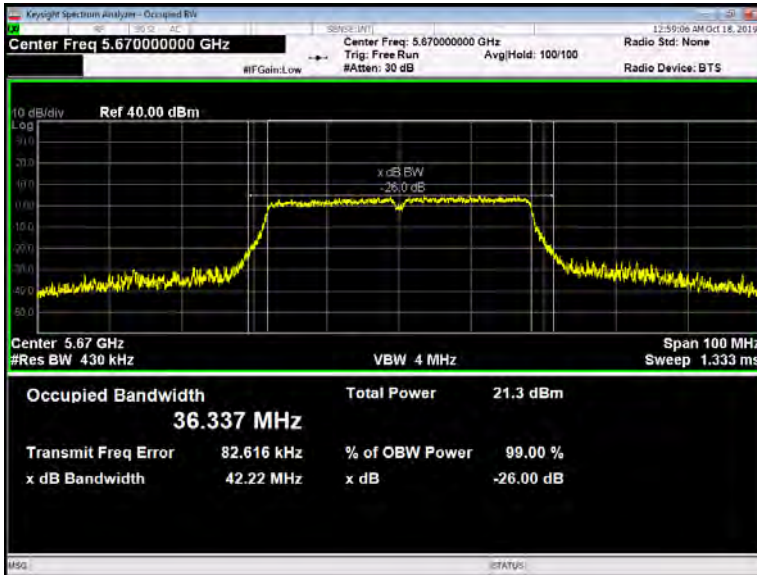
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**Antenna 1 + 2  
Channel 118 (5590MHz)**



**Antenna 1 + 2  
Channel 134 (5670MHz)**



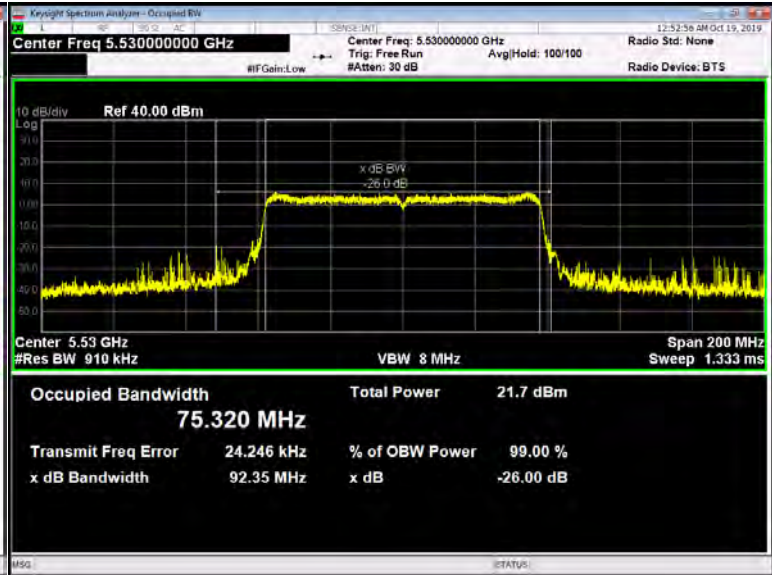
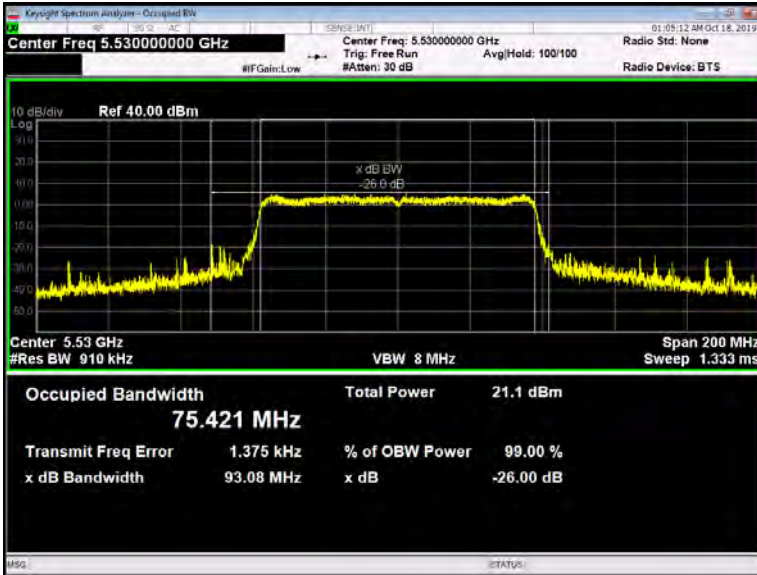




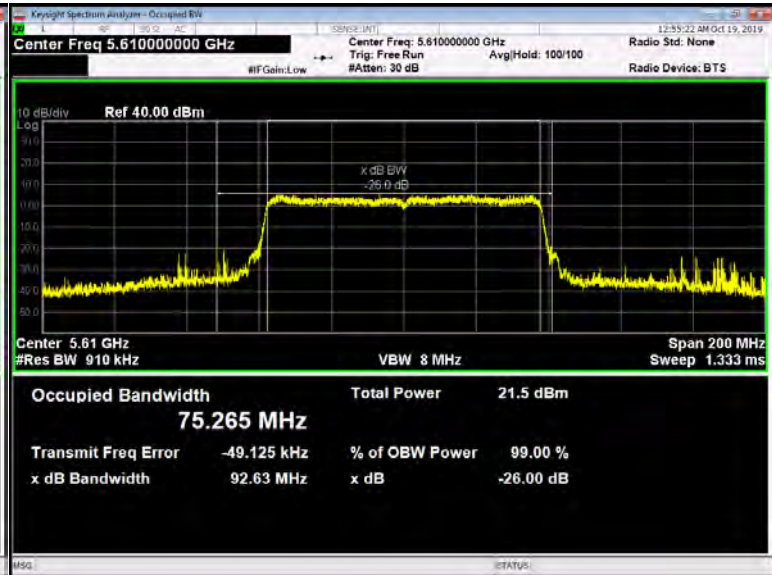
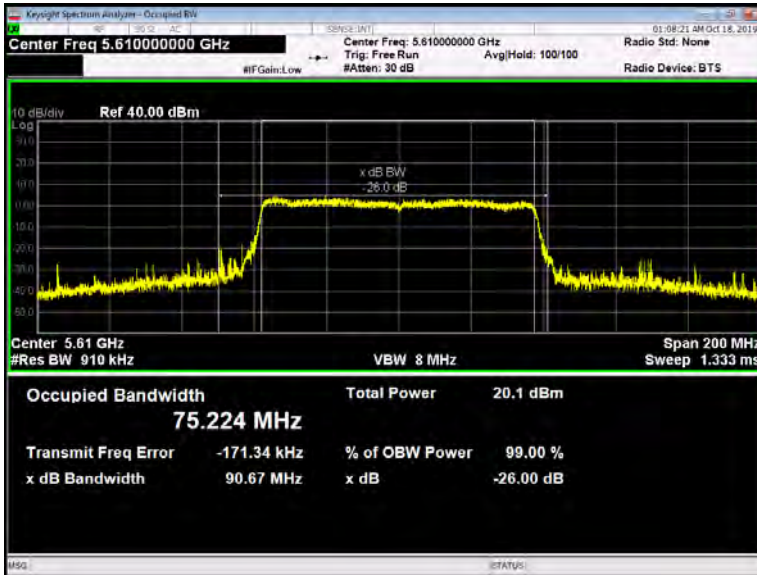
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**Antenna 1 + 2  
Channel 106 (5530MHz)**



**Antenna 1 + 2  
Channel 122 (5610MHz)**






**ELECTRO MAGNETIC TEST, INC.**

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**Maximum Peak Output Power Test Data**

Company:	Airspan Networks		Test Date	10/17/2019			
EUT Name	Access Point		Test Engineer	Andreas Davidsson			
Model:	A5x		Test Result	PASS			
Operating Mode	TX Mode						
Mode	Antenna	Test CH	Frequency (MHz)	Raw Power (dBm)	Peak Output Power (dBm)	Limit (dBm)	Conclusion
<b>U-NII-2A (Dipole Antenna Gain)</b>	1	52	5260	20.46	23.20	≤ 23.98	PASS
	2	52	5260	19.90			
	1	60	5300	20.97	23.63	≤ 23.98	PASS
	2	60	5300	20.24			
	1	64	5320	20.90	23.55	≤ 23.98	PASS
	2	64	5320	20.14			
	1	54	5270	20.59	23.25	≤ 23.98	PASS
	2	54	5270	19.86			
	1	62	5310	20.50	23.24	≤ 23.98	PASS
	2	62	5310	19.95			
	1	58	5290	20.08	22.94	≤ 23.98	PASS
	2	58	5290	19.77			
<b>U-NII-2A (Horn Antenna Gain)</b>	1	52	5260	4.29	7.05	≤ 23.98	PASS
	2	52	5260	3.78			
	1	60	5300	4.02	6.79	≤ 23.98	PASS
	2	60	5300	3.53			
	1	64	5320	3.40	6.15	≤ 23.98	PASS
	2	64	5320	2.87			
	1	54	5270	3.71	6.53	≤ 23.98	PASS
	2	54	5270	3.32			
	1	62	5310	3.33	6.15	≤ 23.98	PASS
	2	62	5310	2.94			
	1	58	5290	3.35	6.12	≤ 23.98	PASS
	2	58	5290	2.86			



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**Maximum Peak Output Power Test Data (Continued)**

<b>U-NII-2C (Dipole Antenna Gain)</b>	1	100	5500	20.13	23.09	≤ 23.98	PASS
	2	100	5500	20.03			
	1	120	5600	20.05	23.89	≤ 23.98	PASS
	2	120	5600	21.57			
	1	140	5700	20.46	23.78	≤ 23.98	PASS
	2	140	5700	21.05			
	1	102	5510	21.46	23.72	≤ 23.98	PASS
	2	102	5510	19.79			
	1	118	5590	20.79	23.79	≤ 23.98	PASS
	2	118	5590	20.76			
	1	134	5670	20.14	23.17	≤ 23.98	PASS
	2	134	5670	20.18			
	1	106	5530	21.55	23.71	≤ 23.98	PASS
	2	106	5530	19.64			
	1	122	5610	20.11	23.28	≤ 23.98	PASS
	2	122	5610	20.42			
<b>U-NII-2C (Horn Antenna Gain)</b>	1	100	5500	4.09	6.68	≤ 23.98	PASS
	2	100	5500	3.21			
	1	120	5600	4.67	7.43	≤ 23.98	PASS
	2	120	5600	4.15			
	1	140	5700	3.60	6.67	≤ 23.98	PASS
	2	140	5700	3.71			
	1	102	5510	3.90	7.23	≤ 23.98	PASS
	2	102	5510	4.51			
	1	118	5590	4.03	6.33	≤ 23.98	PASS
	2	118	5590	2.46			
	1	134	5670	1.96	5.72	≤ 23.98	PASS
	2	134	5670	3.35			
	1	106	5530	3.80	6.42	≤ 23.98	PASS
	2	106	5530	2.97			
	1	122	5610	4.58	7.03	≤ 23.98	PASS
	2	122	5610	3.38			
Test Equipment: Please refer to section 5.2 Peak Output Power Calculation (See Section 7.4.2 for calculation explanation) listed below each screenshot.							

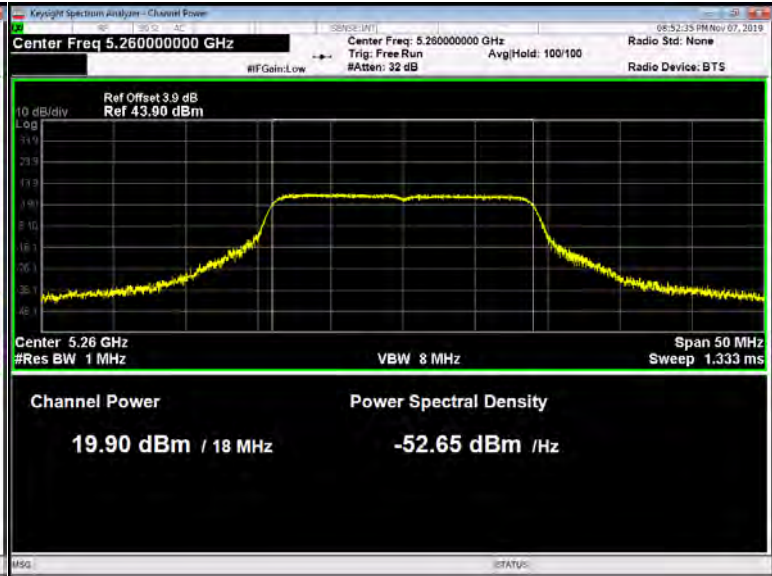
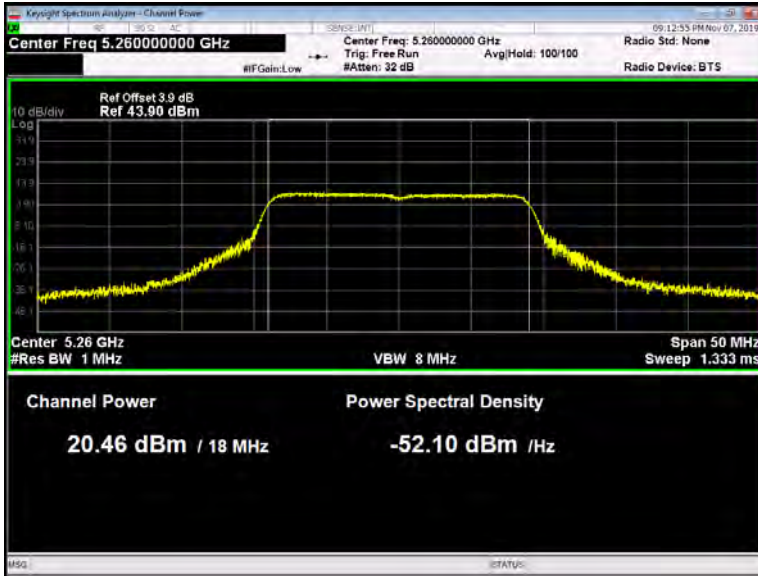
**Antenna 1 + 2  
Channel 52 (5260MHz)**



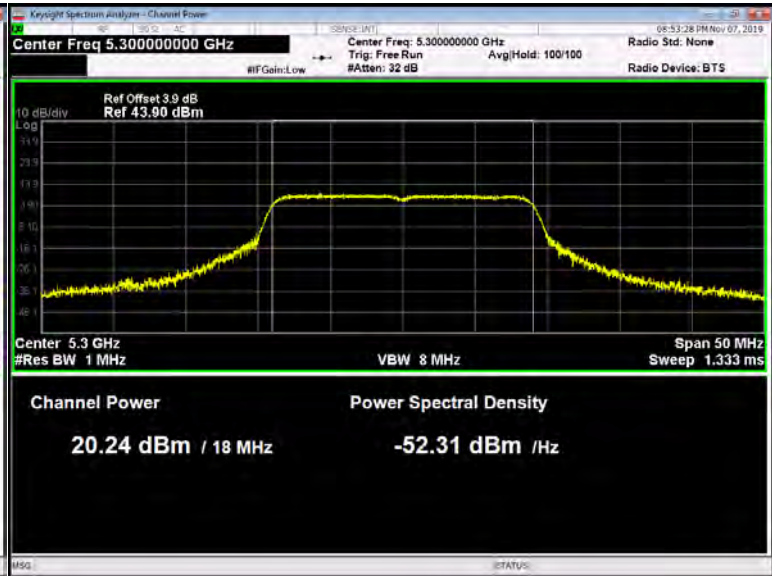
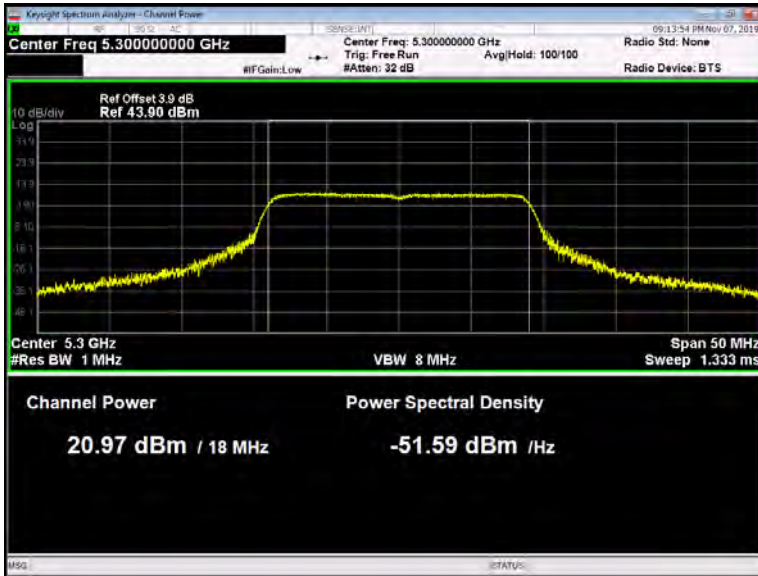


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**Antenna 1 + 2**  
**Channel 60 (5300MHz)**





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**Antenna 1 + 2  
Channel 64 (5320MHz)**



**Antenna 1 + 2  
Channel 54 (5270MHz)**



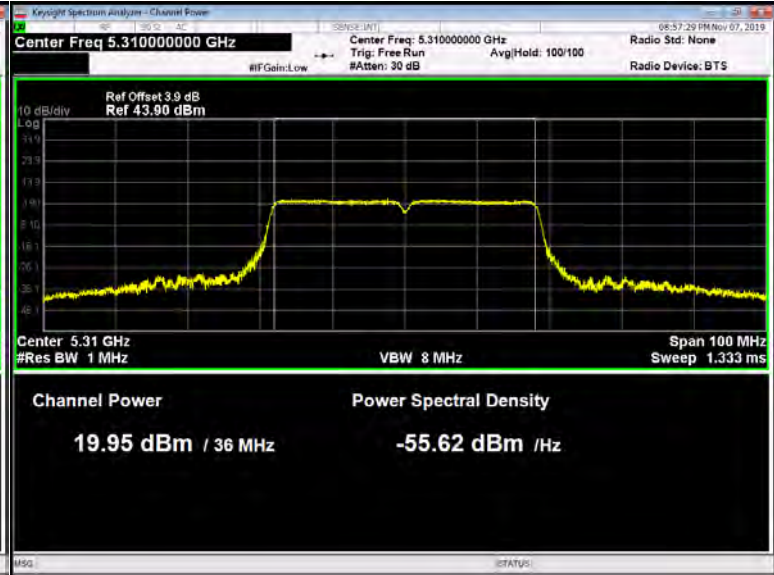
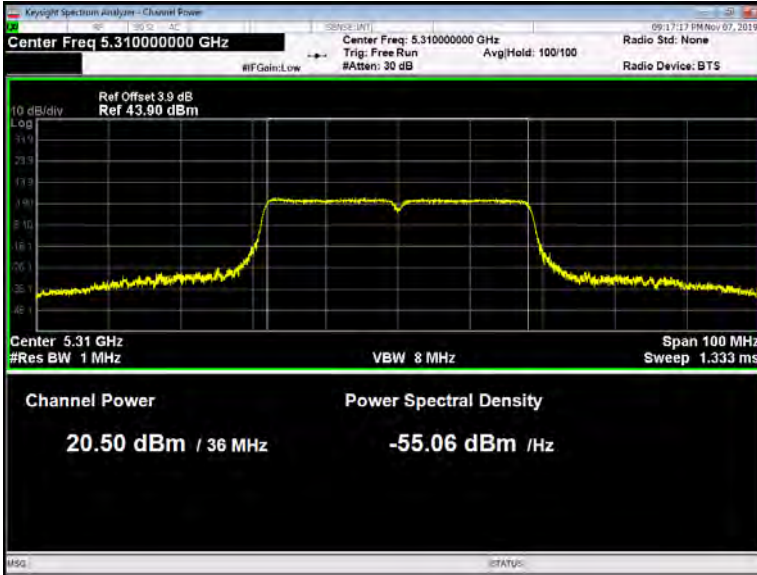




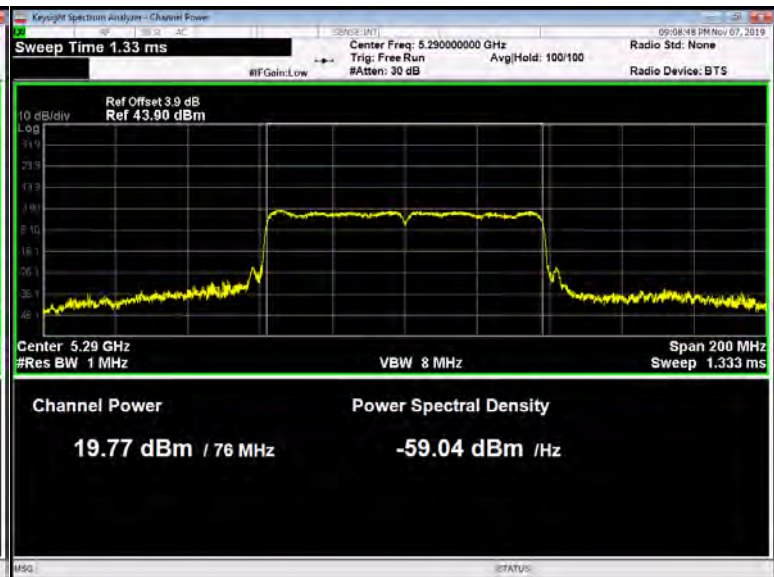
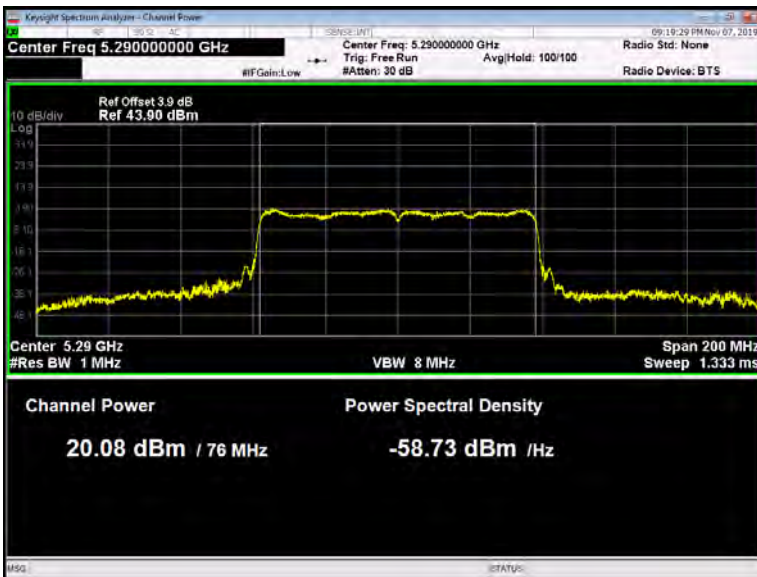
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**Antenna 1 + 2  
Channel 62 (5310MHz)**



**Antenna 1 + 2  
Channel 58 (5290MHz)**

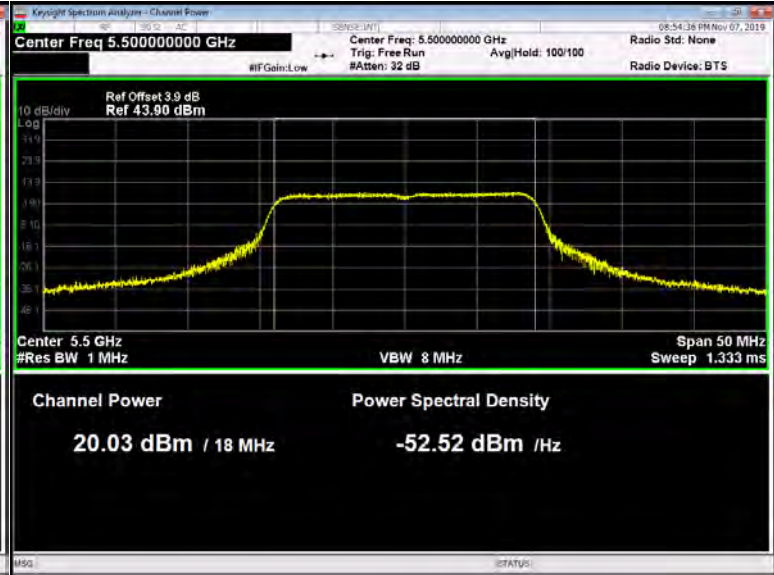
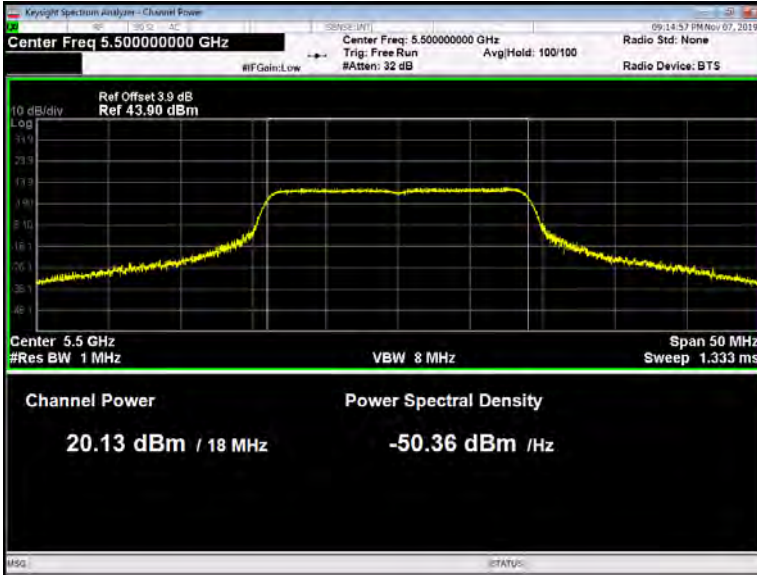




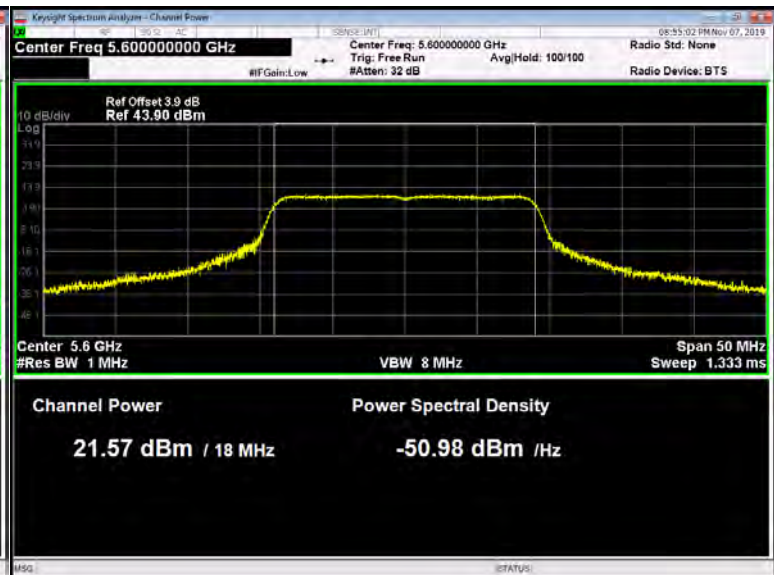
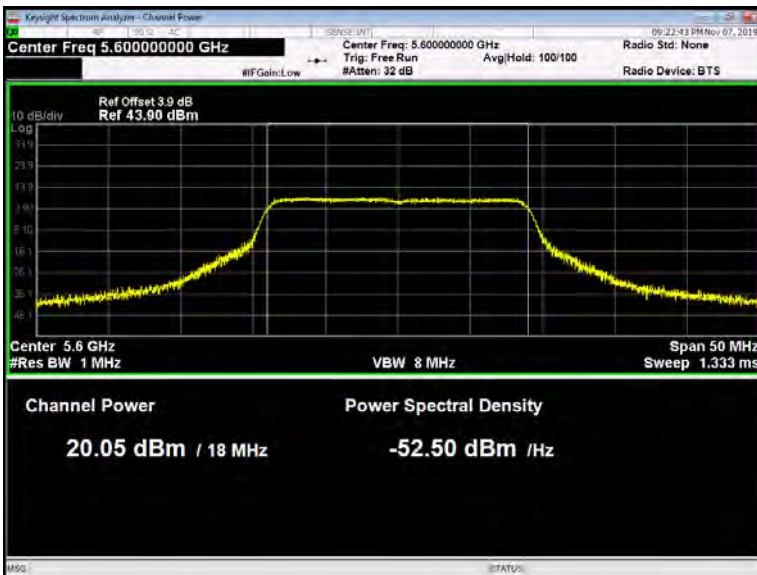
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**Antenna 1 + 2  
Channel 100 (5500MHz)**



**Antenna 1 + 2  
Channel 120 (5600MHz)**



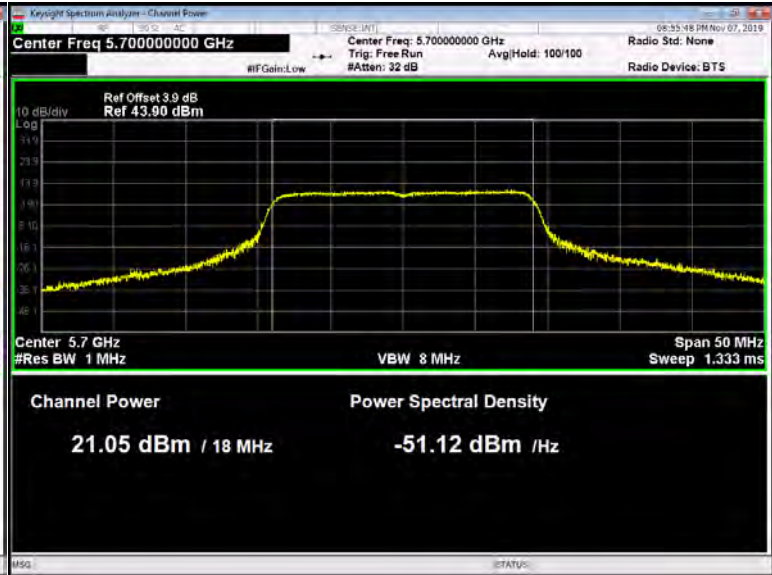
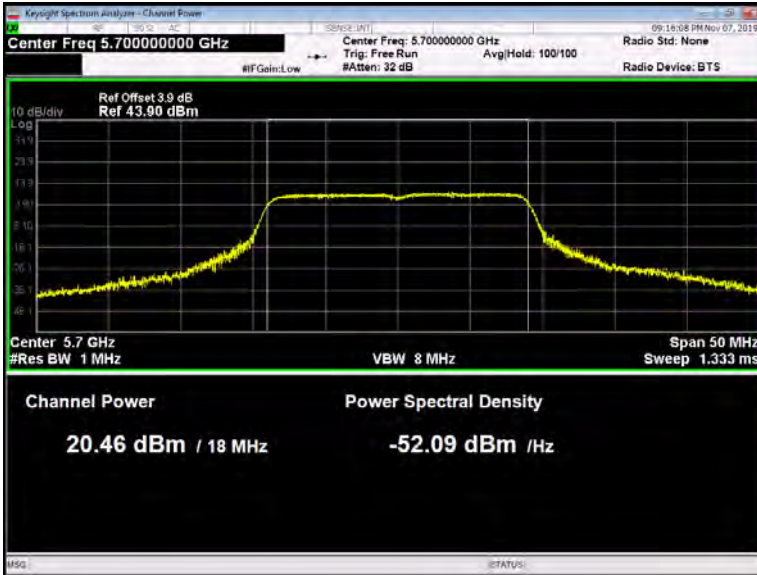




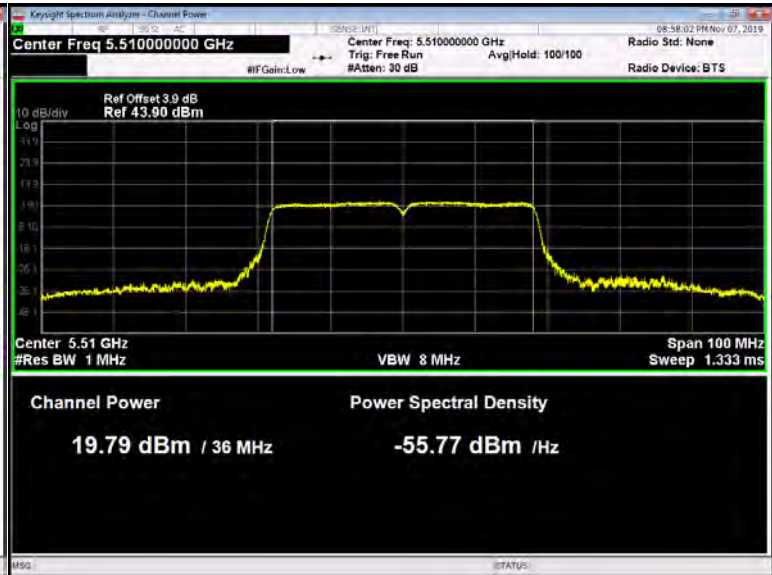
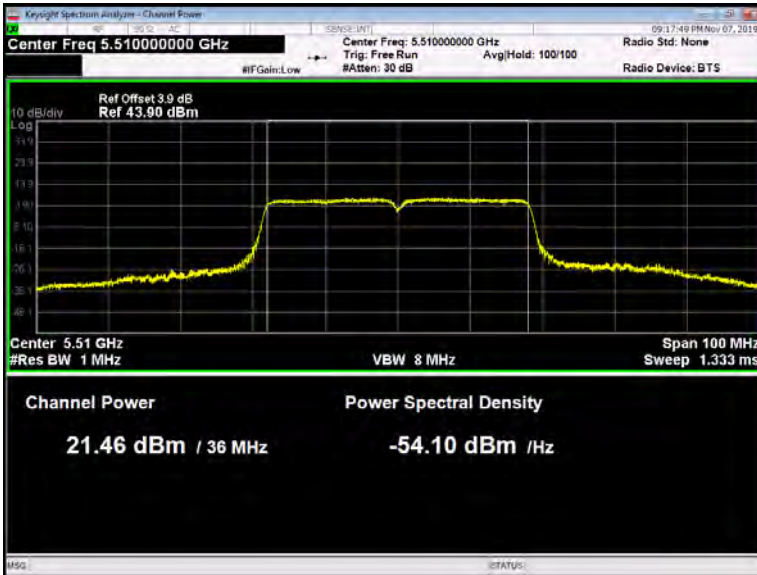
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**Antenna 1 + 2  
Channel 140 (5700MHz)**



**Antenna 1 + 2  
Channel 102 (5510MHz)**

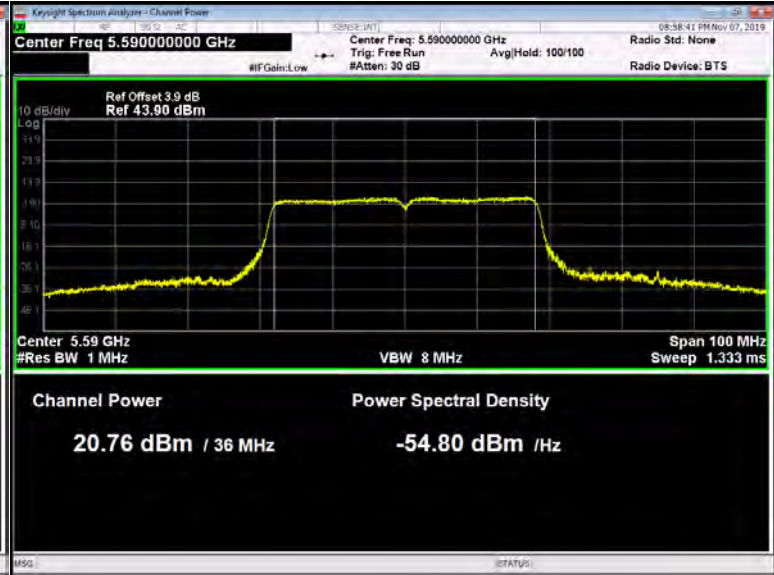
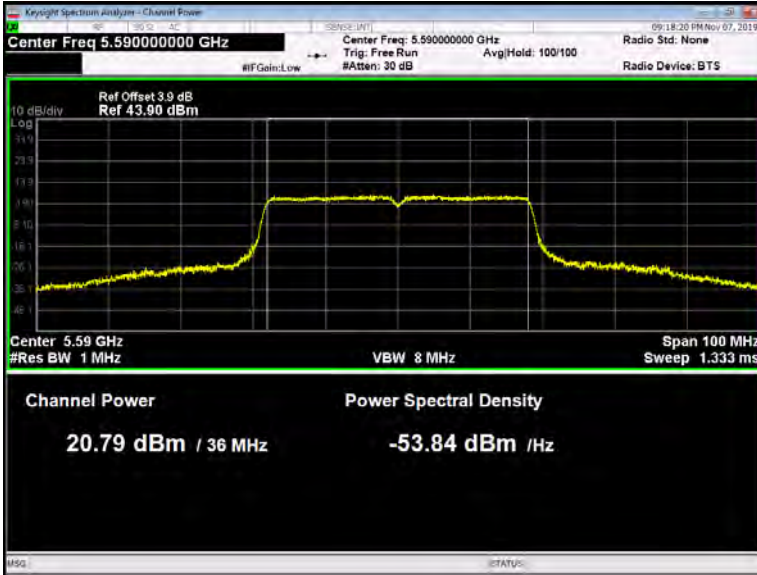




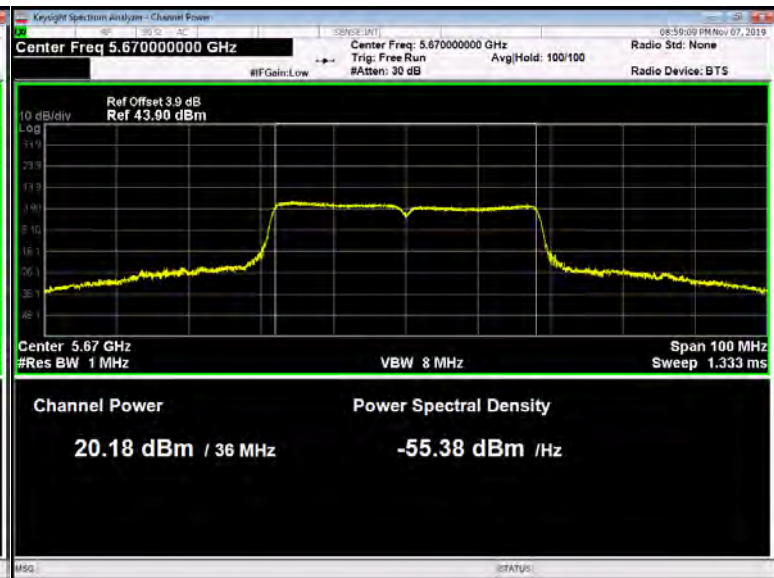
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**Antenna 1 + 2  
Channel 118 (5590MHz)**



**Antenna 1 + 2  
Channel 134 (5670MHz)**

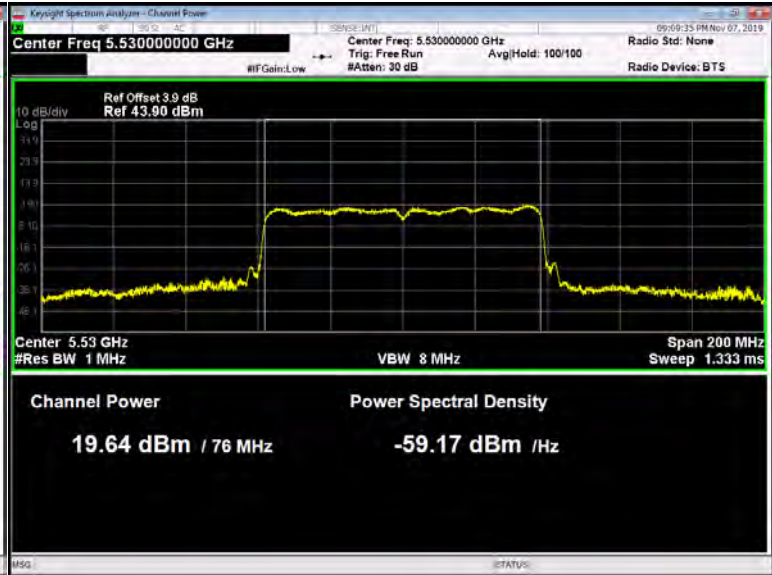
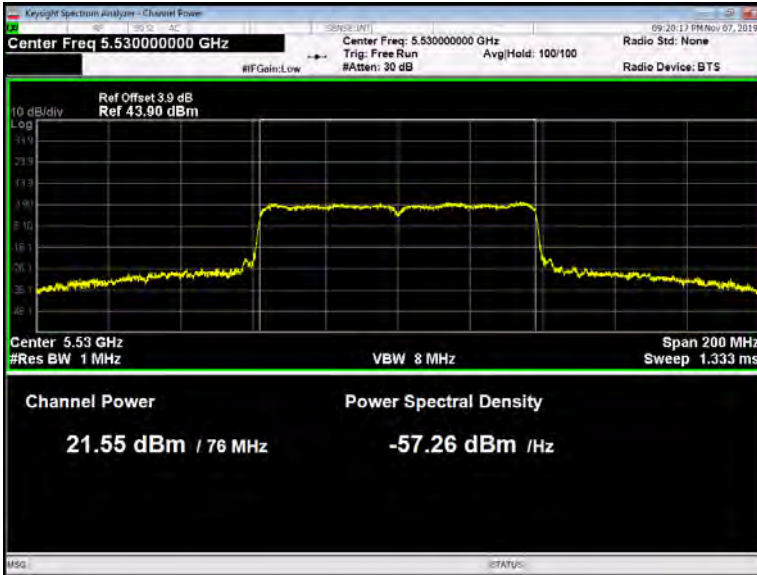




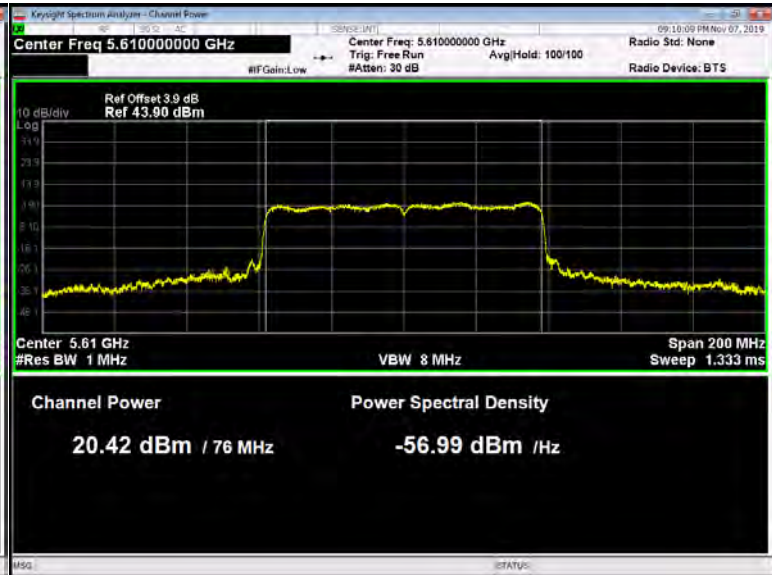
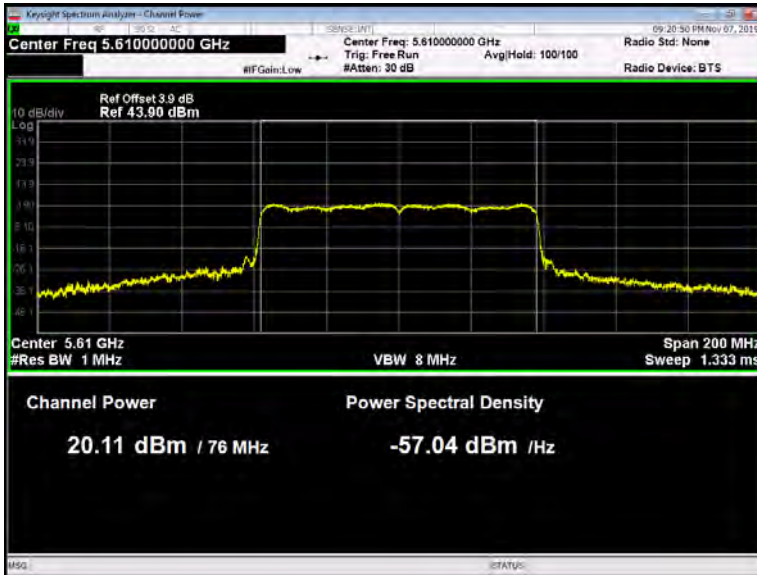
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**Antenna 1 + 2  
Channel 106 (5530MHz)**



**Antenna 1 + 2  
Channel 122 (5610MHz)**







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**Maximum Power Spectral Density Test Data**

Company:	Airspan Networks		Test Date	10/17/2019			
EUT Name	Access Point		Test Engineer	Andreas Davidsson			
Model:	A5x		Test Result	PASS			
Operating Mode	TX Mode						
Mode	Antenna	Test CH	Frequency (MHz)	Raw Peak (dBm)	Maximum PSD (dBm)	Limit (dBm)	Conclusion
<b>U-NII-2A (Dipole Antenna Gain)</b>	1	52	5260	-4.52	-2.18	≤ 17	Pass
	2	52	5260	-5.97			
	1	60	5300	-5.00	-2.59	≤ 17	Pass
	2	60	5300	-6.29			
	1	64	5320	-5.89	-3.28	≤ 17	Pass
	2	64	5320	-6.73			
	1	54	5270	-6.78	-4.24	≤ 17	Pass
	2	54	5270	-7.78			
	1	62	5310	-9.32	-5.72	≤ 17	Pass
	2	62	5310	-8.20			
	1	58	5290	-11.53	-8.33	≤ 17	Pass
	2	58	5290	-11.15			
<b>U-NII-2A (Horn Antenna Gain)</b>	1	52	5260	-6.83	-3.57	≤ 17	Pass
	2	52	5260	-6.33			
	1	60	5300	-7.99	-4.30	≤ 17	Pass
	2	60	5300	-6.72			
	1	64	5320	-5.21	-2.84	≤ 17	Pass
	2	64	5320	-6.61			
	1	54	5270	-8.70	-5.73	≤ 17	Pass
	2	54	5270	-8.78			
	1	62	5310	-7.75	-4.82	≤ 17	Pass
	2	62	5310	-7.92			
	1	58	5290	-8.47	-5.26	≤ 17	Pass
	2	58	5290	-8.07			



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**Maximum Power Spectral Density Test Data (Continued)**

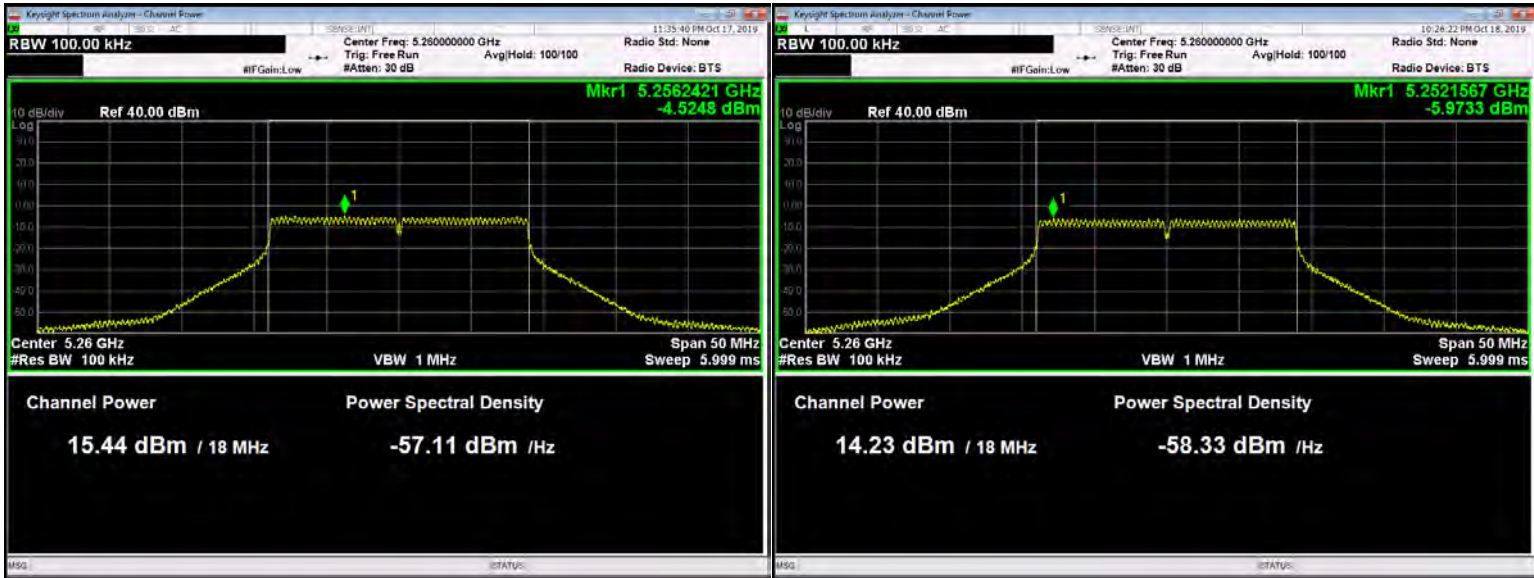
<b>U-NII-2C (Dipole Antenna Gain)</b>	1	100	5500	-6.05	-2.64	≤ 17	Pass
	2	100	5500	-5.28			
	1	120	5600	-6.08	-3.26	≤ 17	Pass
	2	120	5600	-6.47			
	1	140	5700	-4.12	-1.62	≤ 17	Pass
	2	140	5700	-5.21			
	1	102	5510	-6.77	-3.96	≤ 17	Pass
	2	102	5510	-7.17			
	1	118	5590	-6.68	-3.94	≤ 17	Pass
	2	118	5590	-7.24			
	1	134	5670	-6.92	-4.05	≤ 17	Pass
	2	134	5670	-7.20			
	1	106	5530	-7.83	-5.69	≤ 17	Pass
	2	106	5530	-9.78			
	1	122	5610	-9.08	-6.37	≤ 17	Pass
	2	122	5610	-9.72			
<b>U-NII-2C (Dipole Antenna Gain)</b>	1	100	5500	-8.76	-6.71	≤ 17	Pass
	2	100	5500	-10.95			
	1	120	5600	-10.19	-7.35	≤ 17	Pass
	2	120	5600	-10.54			
	1	140	5700	-6.32	-3.08	≤ 17	Pass
	2	140	5700	-5.87			
	1	102	5510	-4.76	-2.81	≤ 17	Pass
	2	102	5510	-7.24			
	1	118	5590	-6.21	-3.26	≤ 17	Pass
	2	118	5590	-6.34			
	1	134	5670	-5.32	-3.04	≤ 17	Pass
	2	134	5670	-6.93			
	1	106	5530	-6.68	-4.22	≤ 17	Pass
	2	106	5530	-7.85			
	1	122	5610	-5.94	-4.81	≤ 17	Pass
	2	122	5610	-11.20			
Test Equipment: Please refer to 5.2							



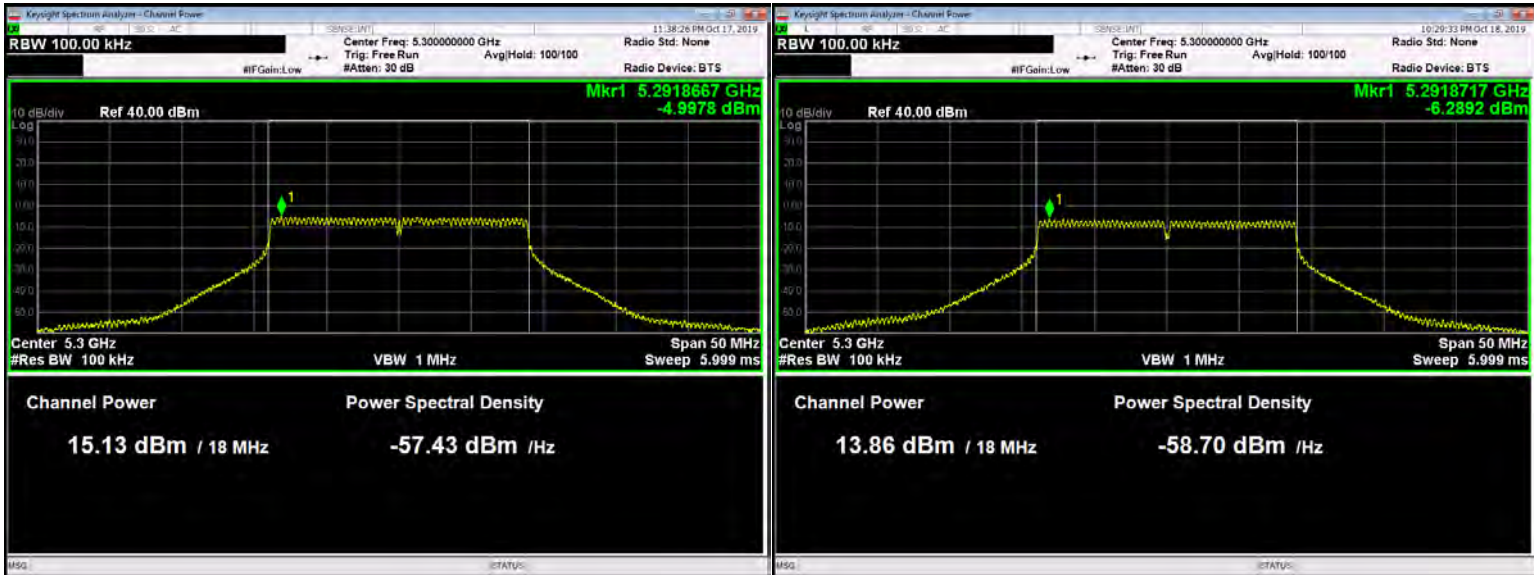
**ELECTRO MAGNETIC TEST, INC.**

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**Antenna 1 + 2  
Channel 52 (5260MHz)**



**Antenna 1 + 2  
Channel 60 (5300MHz)**



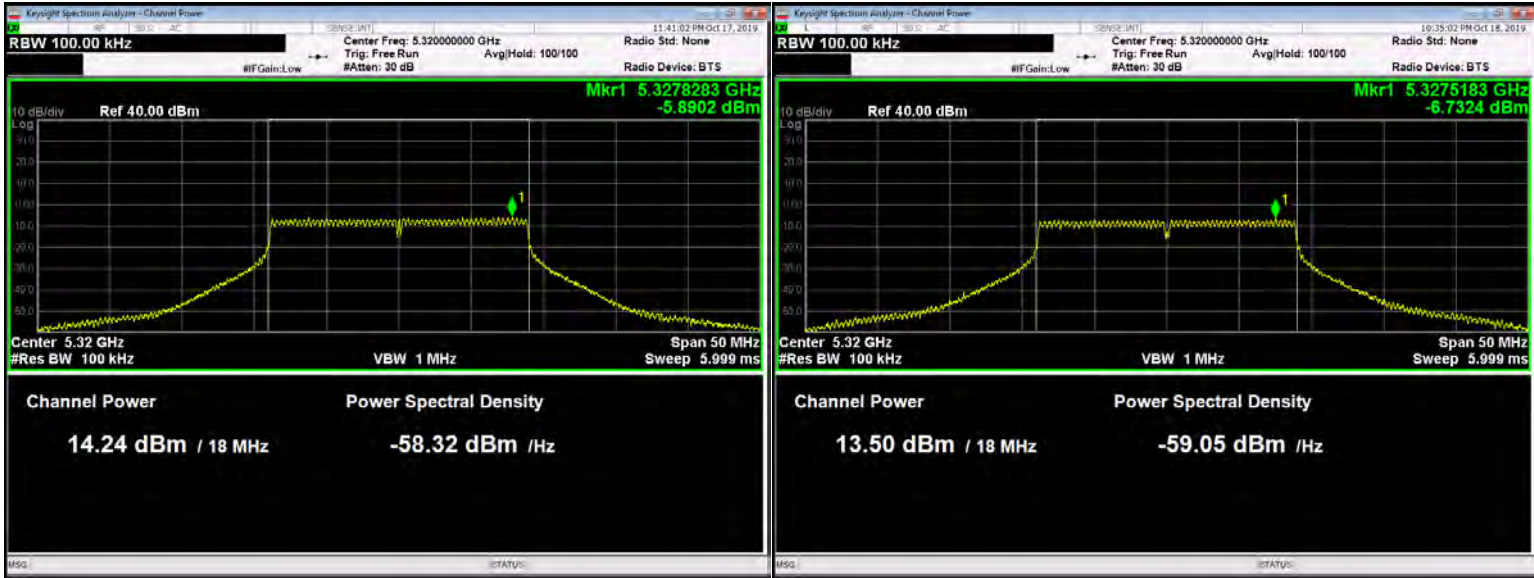




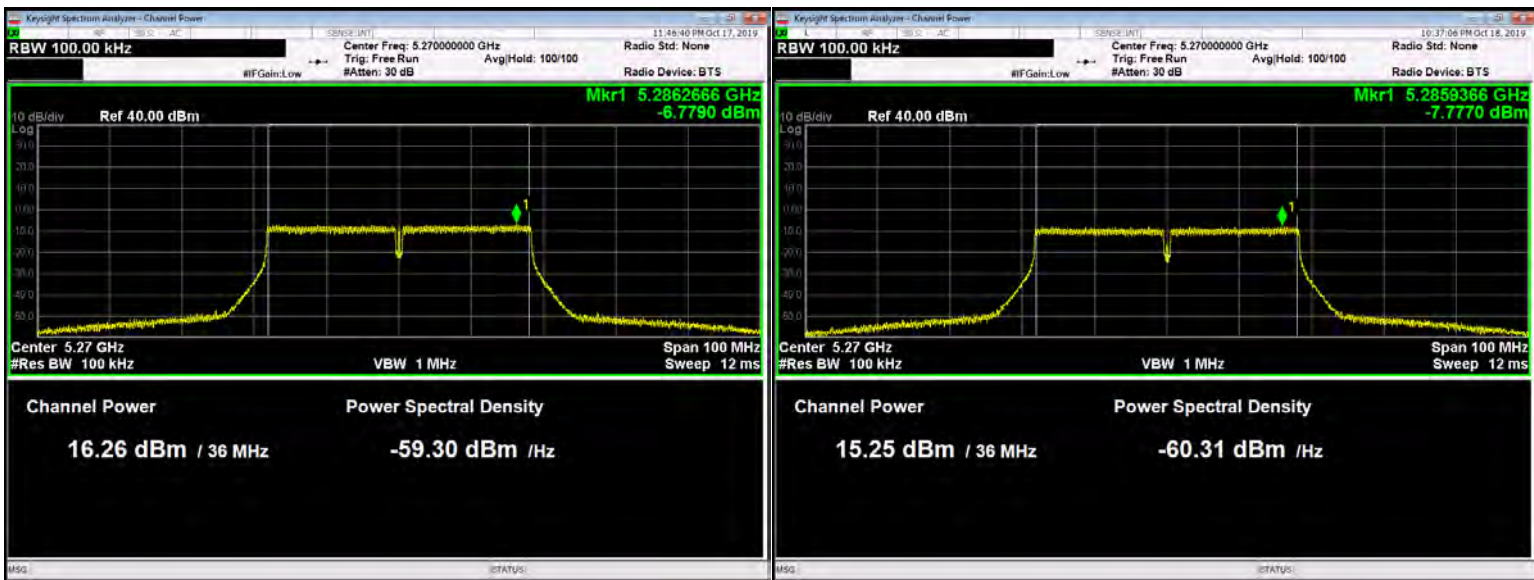
**ELECTRO MAGNETIC TEST, INC.**

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**Antenna 1 + 2  
Channel 64 (5320MHz)**



**Antenna 1 + 2  
Channel 54 (5270MHz)**

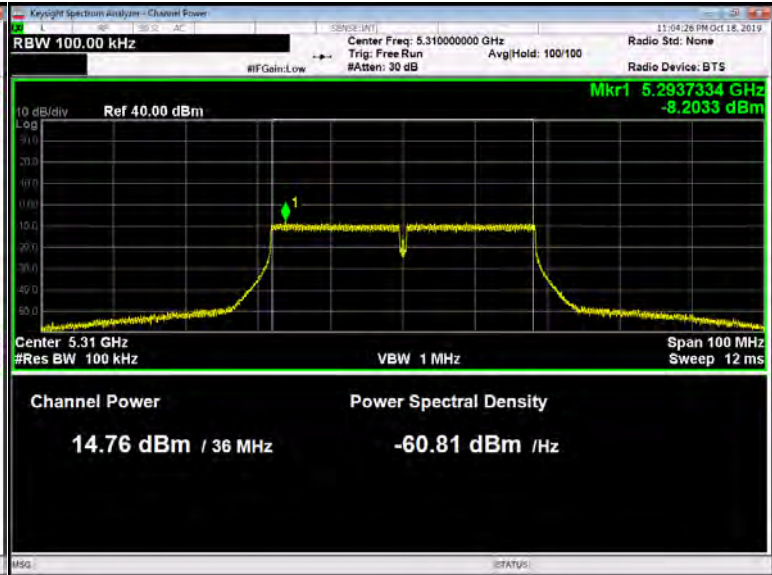
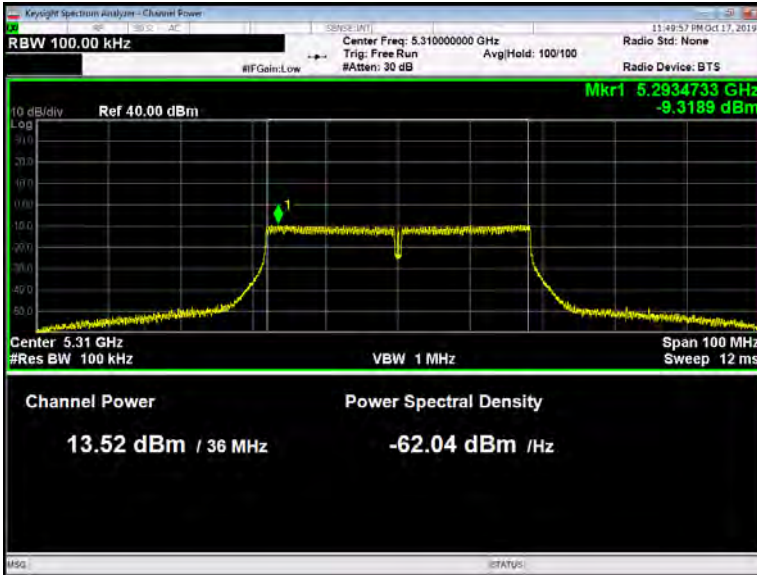




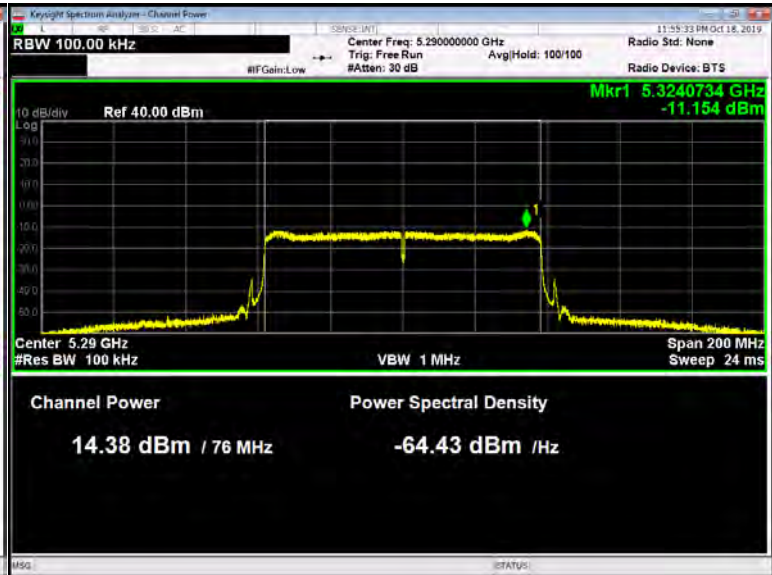
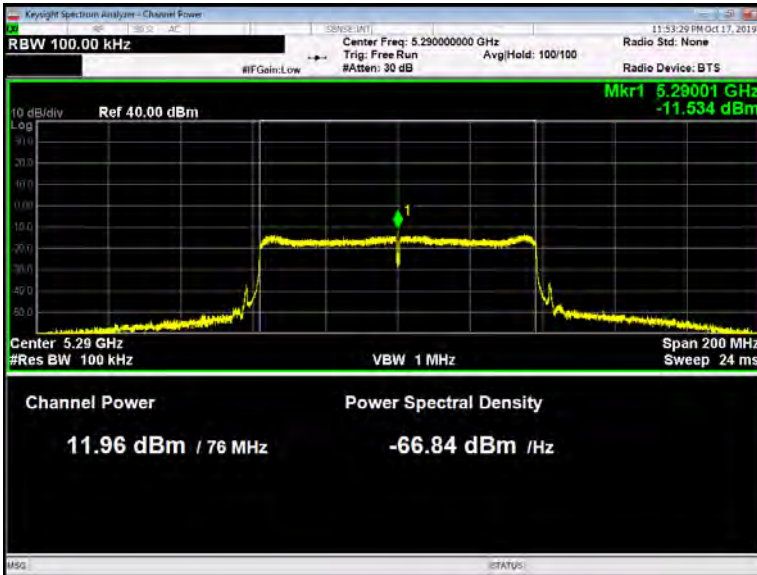
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**Antenna 1 + 2  
Channel 62 (5310MHz)**



**Antenna 1 + 2  
Channel 58 (5290MHz)**

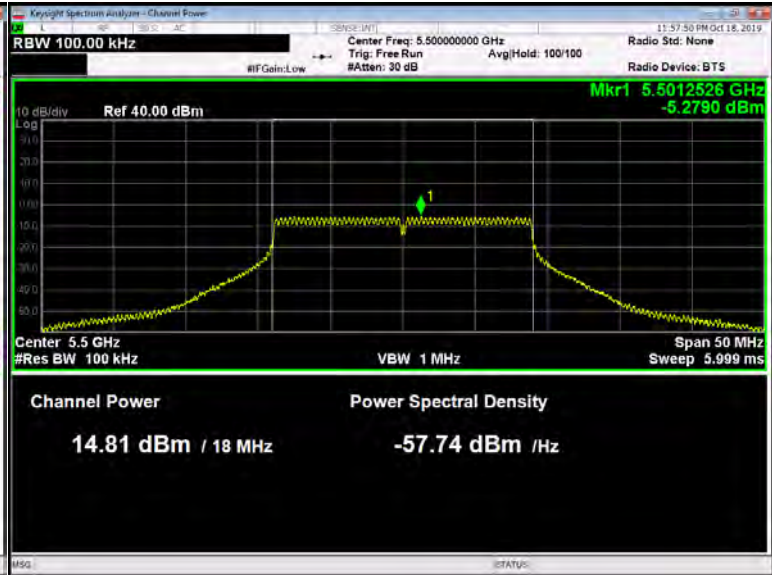




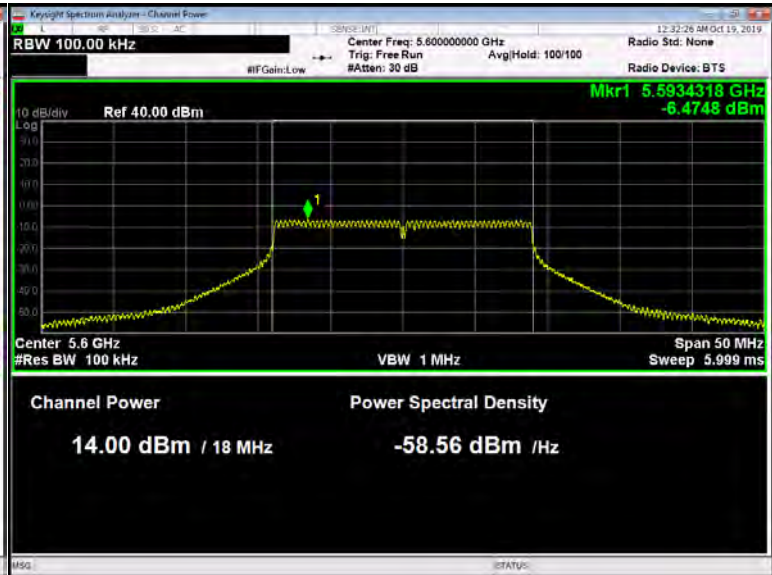
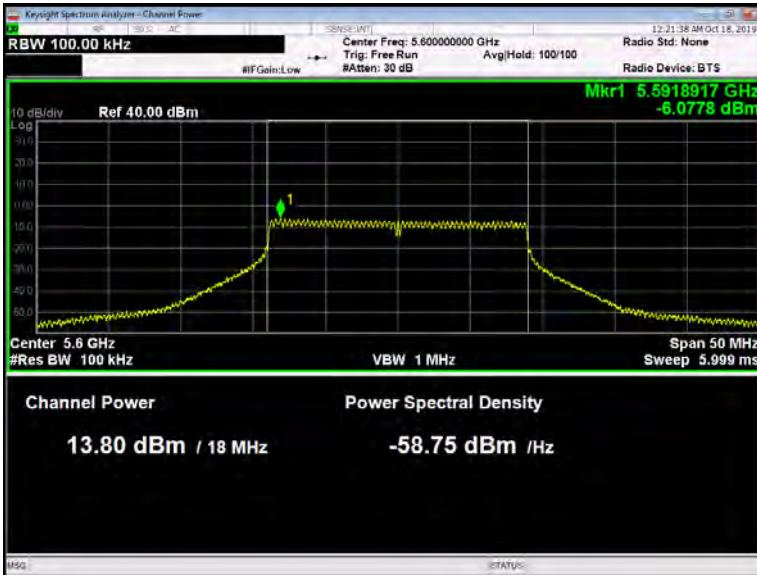
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**Antenna 1 + 2  
Channel 100 (5500MHz)**



**Antenna 1 + 2  
Channel 120 (5600MHz)**



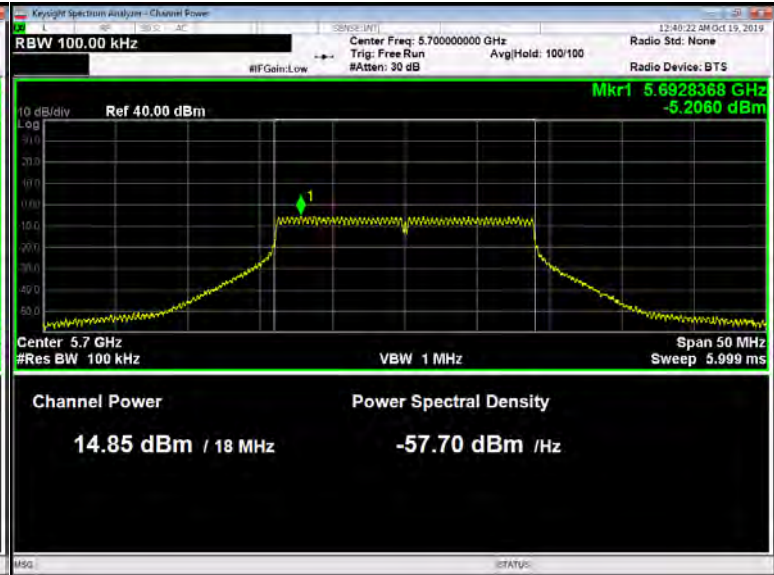
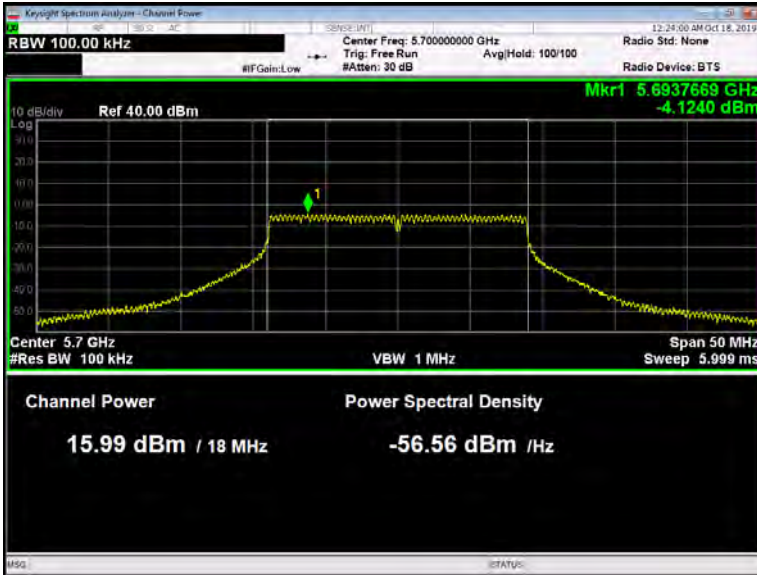




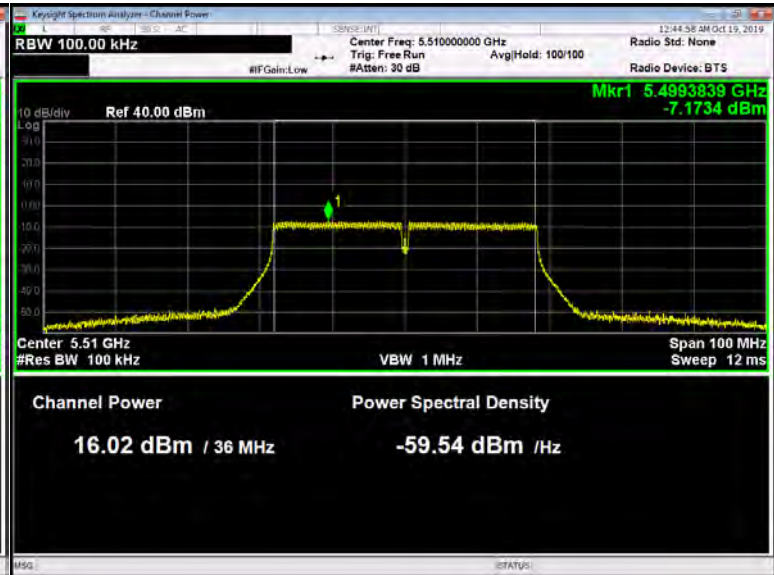
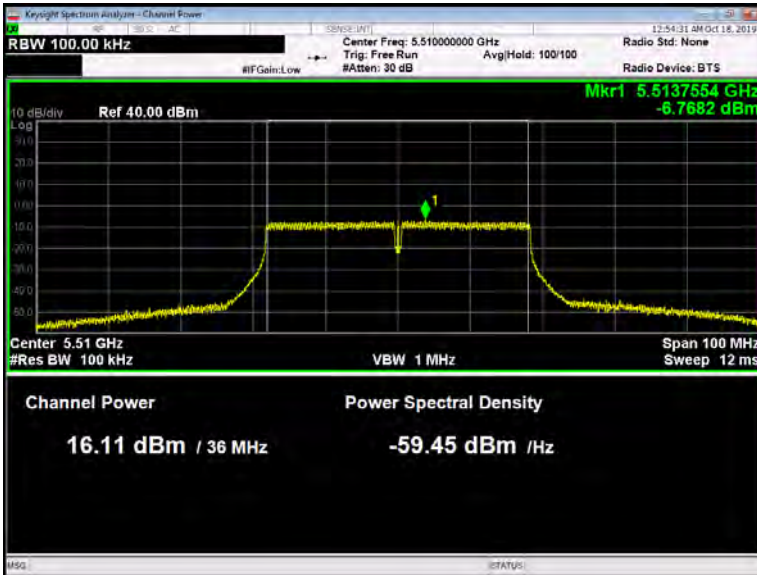
**ELECTRO MAGNETIC TEST, INC.**

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**Antenna 1 + 2  
Channel 140 (5700MHz)**



**Antenna 1 + 2  
Channel 102 (5510MHz)**

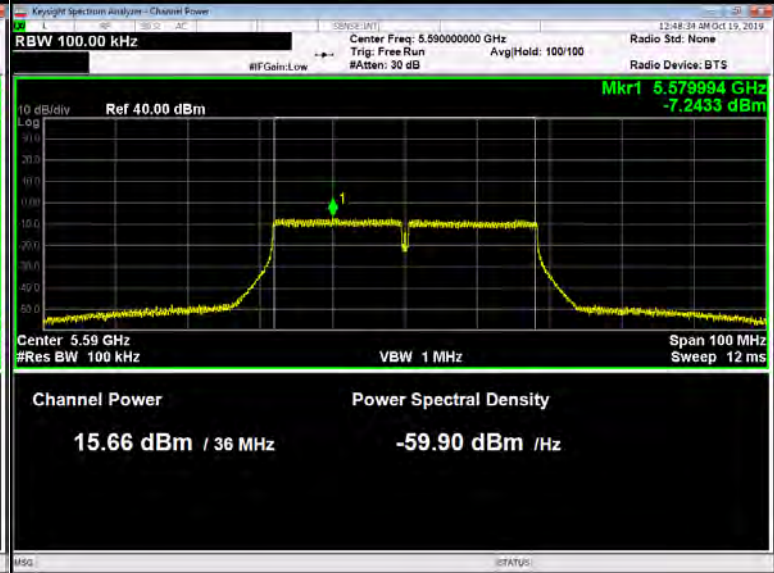




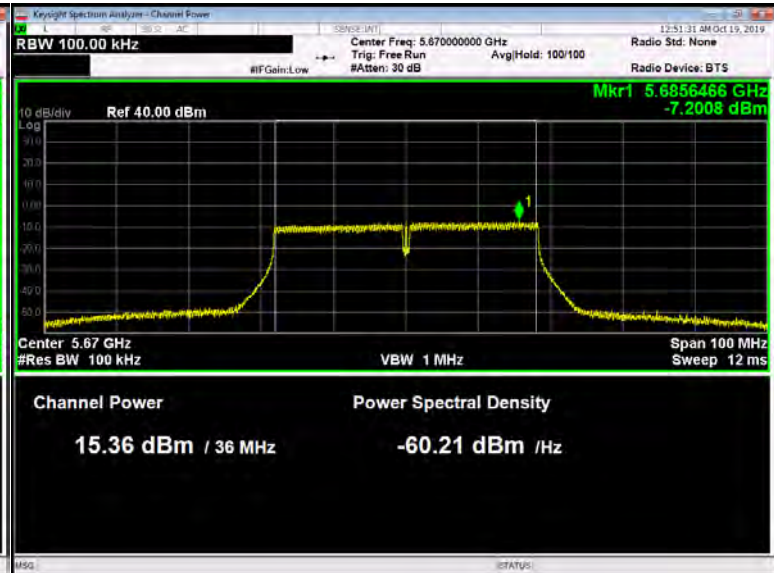
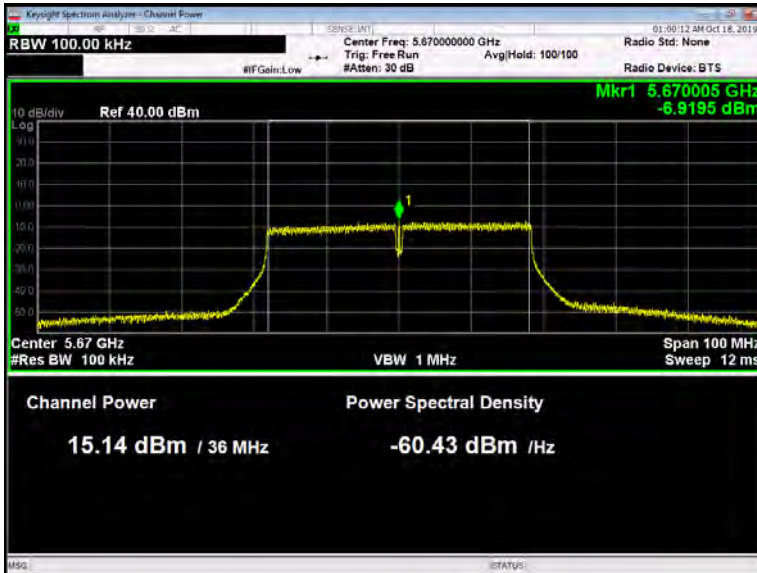
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**Antenna 1 + 2  
Channel 118 (5590MHz)**



**Antenna 1 + 2  
Channel 134 (5670MHz)**





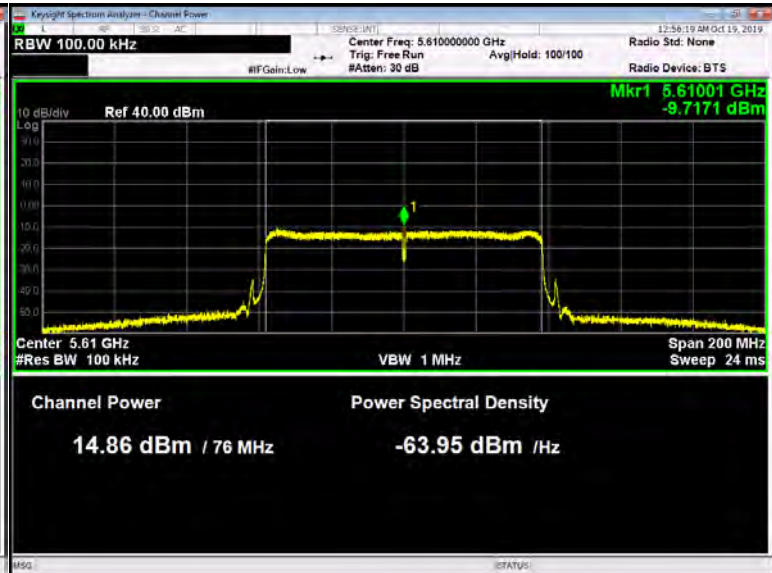
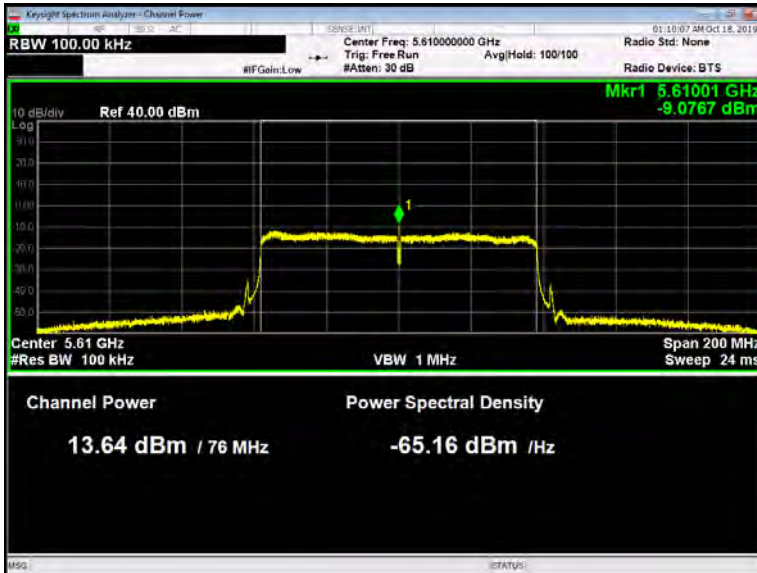
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**Antenna 1 + 2  
Channel 106 (5530MHz)**



**Antenna 1 + 2  
Channel 122 (5610MHz)**






**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Dynamics Frequency Selection Test Data**
**DFS Detection Threshold**

Company:	Airspan Networks	Test Date	12/9/2019
EUT Name	Access Point	Test Engineer	Andreas Davidsson
Model:	A5x	Test Result	PASS
Operating Mode	TX Mode		

**Radar Type 0**

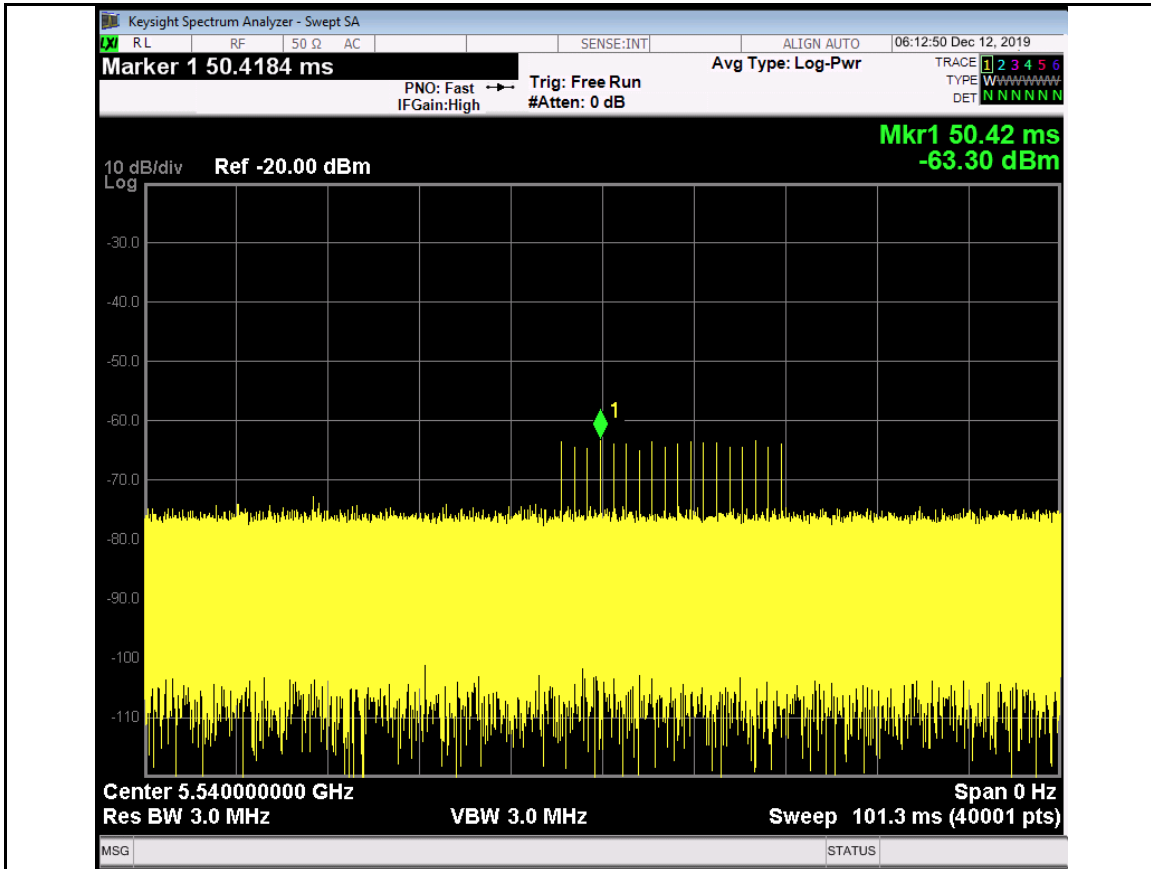
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 0	1.0	1428.0	18	25704.0
1	Type 0	1.0	1428.0	18	25704.0
2	Type 0	1.0	1428.0	18	25704.0
3	Type 0	1.0	1428.0	18	25704.0
4	Type 0	1.0	1428.0	18	25704.0
5	Type 0	1.0	1428.0	18	25704.0
6	Type 0	1.0	1428.0	18	25704.0
7	Type 0	1.0	1428.0	18	25704.0
8	Type 0	1.0	1428.0	18	25704.0
9	Type 0	1.0	1428.0	18	25704.0
10	Type 0	1.0	1428.0	18	25704.0
11	Type 0	1.0	1428.0	18	25704.0
12	Type 0	1.0	1428.0	18	25704.0
13	Type 0	1.0	1428.0	18	25704.0
14	Type 0	1.0	1428.0	18	25704.0
15	Type 0	1.0	1428.0	18	25704.0
16	Type 0	1.0	1428.0	18	25704.0
17	Type 0	1.0	1428.0	18	25704.0
18	Type 0	1.0	1428.0	18	25704.0
19	Type 0	1.0	1428.0	18	25704.0
20	Type 0	1.0	1428.0	18	25704.0
21	Type 0	1.0	1428.0	18	25704.0
22	Type 0	1.0	1428.0	18	25704.0
23	Type 0	1.0	1428.0	18	25704.0
24	Type 0	1.0	1428.0	18	25704.0
25	Type 0	1.0	1428.0	18	25704.0
26	Type 0	1.0	1428.0	18	25704.0
27	Type 0	1.0	1428.0	18	25704.0
28	Type 0	1.0	1428.0	18	25704.0
29	Type 0	1.0	1428.0	18	25704.0



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## Radar Type 0




**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Radar Type 1**

<b>Trial ID</b>	<b>Radar Type</b>	<b>Pulse Width (us)</b>	<b>PRI (us)</b>	<b>Number of Pulses</b>	<b>Waveform Length (us)</b>
0	Type 1	1.0	938.0	57	53466.0
1	Type 1	1.0	698.0	76	53048.0
2	Type 1	1.0	618.0	86	53148.0
3	Type 1	1.0	538.0	99	53262.0
4	Type 1	1.0	878.0	61	53558.0
5	Type 1	1.0	3066.0	18	55188.0
6	Type 1	1.0	638.0	83	52954.0
7	Type 1	1.0	918.0	58	53244.0
8	Type 1	1.0	838.0	63	52794.0
9	Type 1	1.0	858.0	62	53196.0
10	Type 1	1.0	798.0	67	53466.0
11	Type 1	1.0	718.0	74	53132.0
12	Type 1	1.0	578.0	92	53176.0
13	Type 1	1.0	598.0	89	53222.0
14	Type 1	1.0	558.0	95	53010.0
15	Type 1	1.0	2536.0	21	53256.0
16	Type 1	1.0	966.0	55	53130.0
17	Type 1	1.0	827.0	64	52928.0
18	Type 1	1.0	2501.0	22	55022.0
19	Type 1	1.0	2595.0	21	54495.0
20	Type 1	1.0	1114.0	48	53472.0
21	Type 1	1.0	1302.0	41	53382.0
22	Type 1	1.0	3045.0	18	54810.0
23	Type 1	1.0	1624.0	33	53592.0
24	Type 1	1.0	2878.0	19	54682.0
25	Type 1	1.0	1027.0	52	53404.0
26	Type 1	1.0	2485.0	22	54670.0
27	Type 1	1.0	1600.0	33	52800.0
28	Type 1	1.0	1172.0	46	53912.0
29	Type 1	1.0	1177.0	45	52965.0

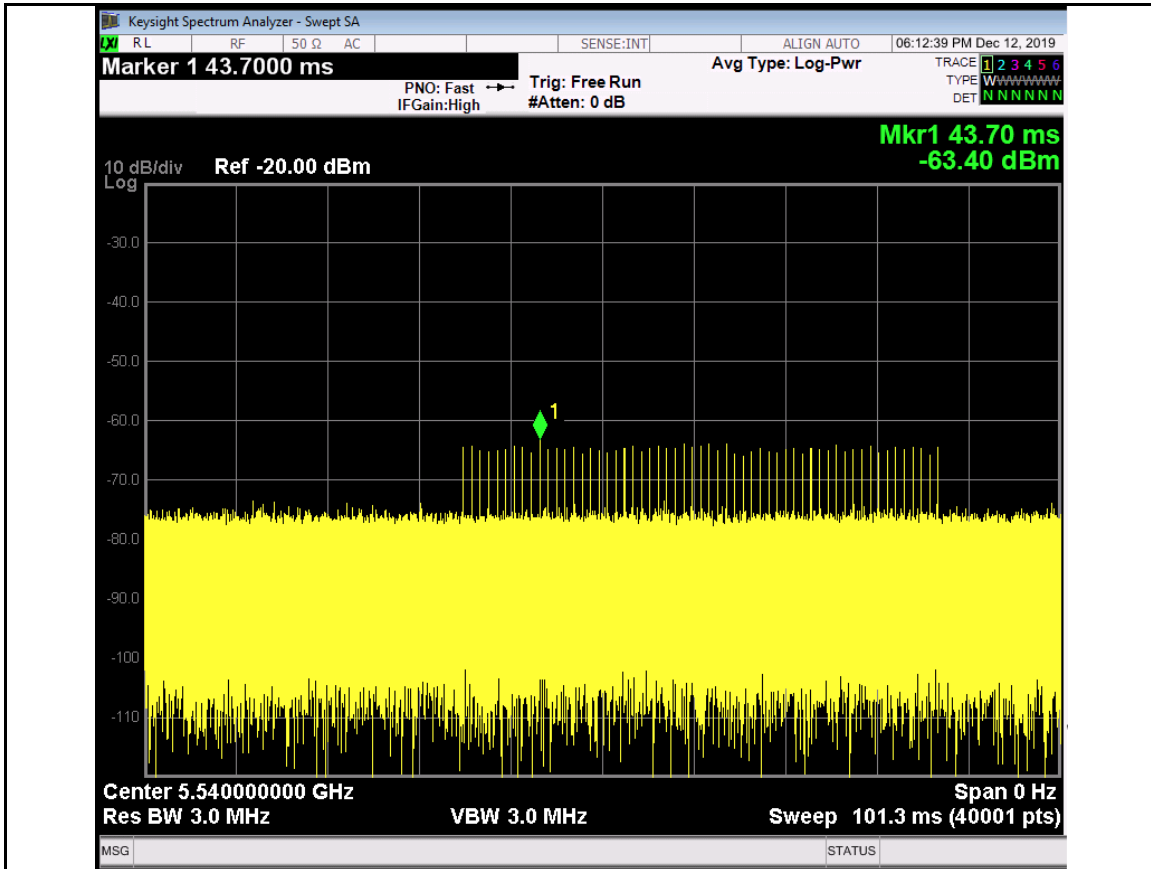




# ELECTRO MAGNETIC TEST, INC.

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## Radar Type 1




**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Radar Type 2**

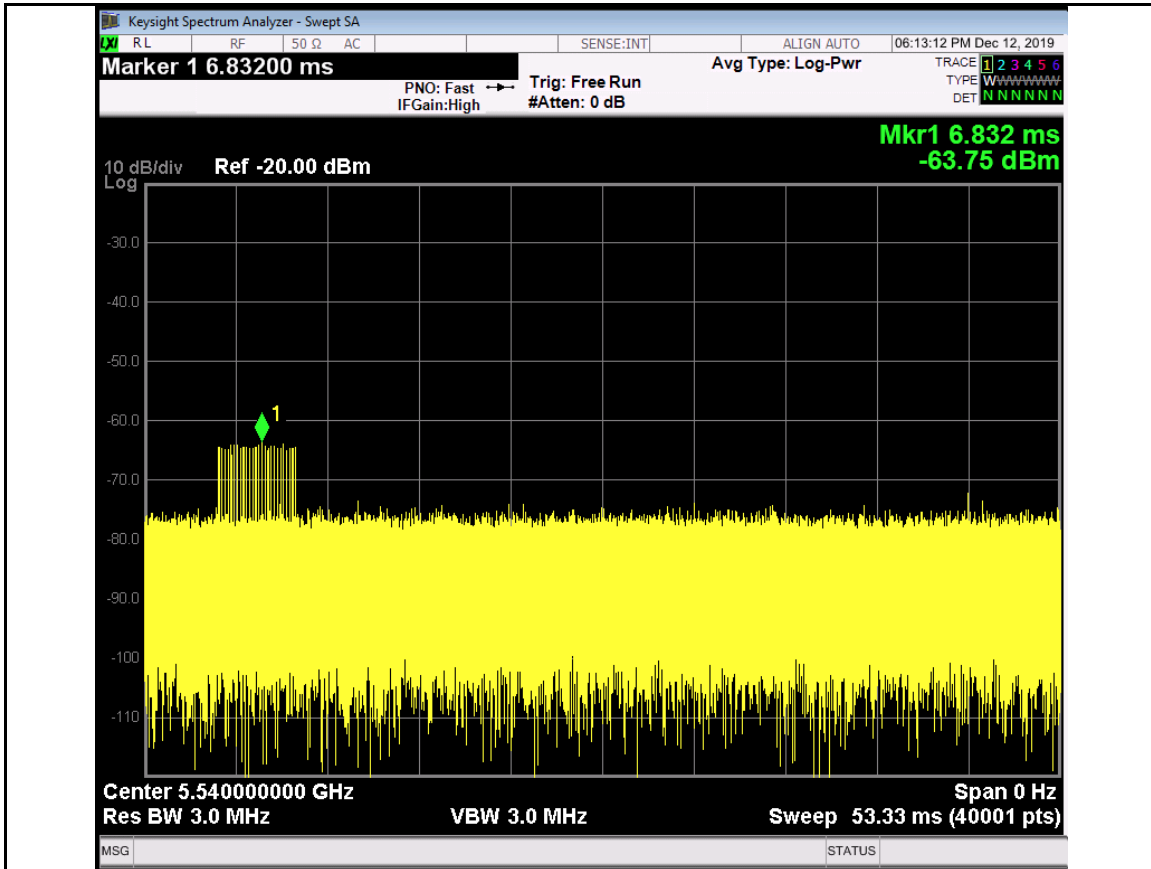
<b>Trial ID</b>	<b>Radar Type</b>	<b>Pulse Width (us)</b>	<b>PRI (us)</b>	<b>Number of Pulses</b>	<b>Waveform Length (us)</b>
0	Type 2	3.2	179.0	26	4654.0
1	Type 2	1.1	207.0	23	4761.0
2	Type 2	2.1	230.0	24	5520.0
3	Type 2	4.8	200.0	29	5800.0
4	Type 2	3.9	214.0	28	5992.0
5	Type 2	2.9	222.0	26	5772.0
6	Type 2	3.2	204.0	26	5304.0
7	Type 2	2.5	192.0	25	4800.0
8	Type 2	3.1	164.0	26	4264.0
9	Type 2	1.2	156.0	23	3588.0
10	Type 2	3.9	210.0	27	5670.0
11	Type 2	4.6	201.0	29	5829.0
12	Type 2	3.2	162.0	26	4212.0
13	Type 2	2.2	197.0	25	4925.0
14	Type 2	4.5	163.0	29	4727.0
15	Type 2	3.0	203.0	26	5278.0
16	Type 2	5.0	168.0	29	4872.0
17	Type 2	2.4	217.0	25	5425.0
18	Type 2	2.9	191.0	26	4966.0
19	Type 2	2.3	166.0	25	4150.0
20	Type 2	3.7	150.0	27	4050.0
21	Type 2	2.2	176.0	25	4400.0
22	Type 2	4.9	195.0	29	5655.0
23	Type 2	2.9	202.0	26	5252.0
24	Type 2	2.5	178.0	25	4450.0
25	Type 2	1.1	206.0	23	4738.0
26	Type 2	3.8	155.0	27	4185.0
27	Type 2	4.7	157.0	29	4553.0
28	Type 2	2.4	224.0	25	5600.0
29	Type 2	4.2	159.0	28	4452.0



# ELECTRO MAGNETIC TEST, INC.

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## Radar Type 2






**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Radar Type 3**

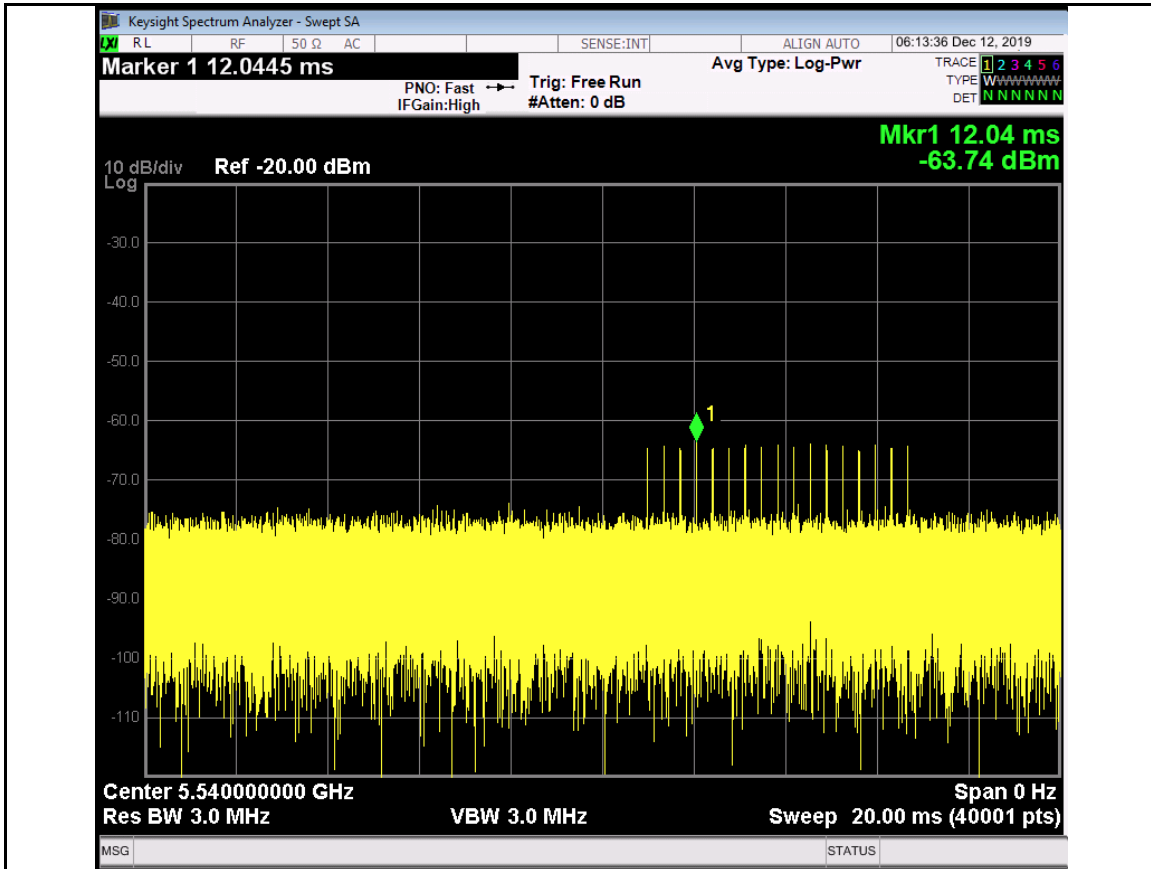
<b>Trial ID</b>	<b>Radar Type</b>	<b>Pulse Width (us)</b>	<b>PRI (us)</b>	<b>Number of Pulses</b>	<b>Waveform Length (us)</b>
0	Type 3	8.2	355.0	17	6035.0
1	Type 3	6.1	487.0	16	7792.0
2	Type 3	7.1	344.0	16	5504.0
3	Type 3	9.8	288.0	18	5184.0
4	Type 3	8.9	230.0	18	4140.0
5	Type 3	7.9	432.0	17	7344.0
6	Type 3	8.2	207.0	17	3519.0
7	Type 3	7.5	443.0	17	7531.0
8	Type 3	8.1	439.0	17	7463.0
9	Type 3	6.2	223.0	16	3568.0
10	Type 3	8.9	208.0	18	3744.0
11	Type 3	9.6	463.0	18	8334.0
12	Type 3	8.2	441.0	17	7497.0
13	Type 3	7.2	323.0	16	5168.0
14	Type 3	9.5	297.0	18	5346.0
15	Type 3	8.0	412.0	17	7004.0
16	Type 3	10.0	324.0	18	5832.0
17	Type 3	7.4	271.0	17	4607.0
18	Type 3	7.9	349.0	17	5933.0
19	Type 3	7.3	409.0	16	6544.0
20	Type 3	8.7	373.0	18	6714.0
21	Type 3	7.2	254.0	16	4064.0
22	Type 3	9.9	274.0	18	4932.0
23	Type 3	7.9	278.0	17	4726.0
24	Type 3	7.5	317.0	17	5389.0
25	Type 3	6.1	260.0	16	4160.0
26	Type 3	8.8	211.0	18	3798.0
27	Type 3	9.7	272.0	18	4896.0
28	Type 3	7.4	264.0	17	4488.0
29	Type 3	9.2	284.0	18	5112.0



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## Radar Type 3




**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Radar Type 4**

<b>Trial ID</b>	<b>Radar Type</b>	<b>Pulse Width (us)</b>	<b>PRI (us)</b>	<b>Number of Pulses</b>	<b>Waveform Length (us)</b>
0	Type 4	16.0	355.0	14	4970.0
1	Type 4	11.3	487.0	12	5844.0
2	Type 4	13.5	344.0	13	4472.0
3	Type 4	19.4	288.0	16	4608.0
4	Type 4	17.5	230.0	15	3450.0
5	Type 4	15.3	432.0	14	6048.0
6	Type 4	15.9	207.0	14	2898.0
7	Type 4	14.3	443.0	13	5759.0
8	Type 4	15.8	439.0	14	6146.0
9	Type 4	11.5	223.0	12	2676.0
10	Type 4	17.4	208.0	15	3120.0
11	Type 4	19.0	463.0	16	7408.0
12	Type 4	16.0	441.0	14	6174.0
13	Type 4	13.8	323.0	13	4199.0
14	Type 4	18.9	297.0	16	4752.0
15	Type 4	15.5	412.0	14	5768.0
16	Type 4	19.9	324.0	16	5184.0
17	Type 4	14.1	271.0	13	3523.0
18	Type 4	15.2	349.0	14	4886.0
19	Type 4	13.8	409.0	13	5317.0
20	Type 4	17.1	373.0	15	5595.0
21	Type 4	13.8	254.0	13	3302.0
22	Type 4	19.8	274.0	16	4384.0
23	Type 4	15.3	278.0	14	3892.0
24	Type 4	14.5	317.0	13	4121.0
25	Type 4	11.3	260.0	12	3120.0
26	Type 4	17.3	211.0	15	3165.0
27	Type 4	19.2	272.0	16	4352.0
28	Type 4	14.2	264.0	13	3432.0
29	Type 4	18.2	284.0	15	4260.0

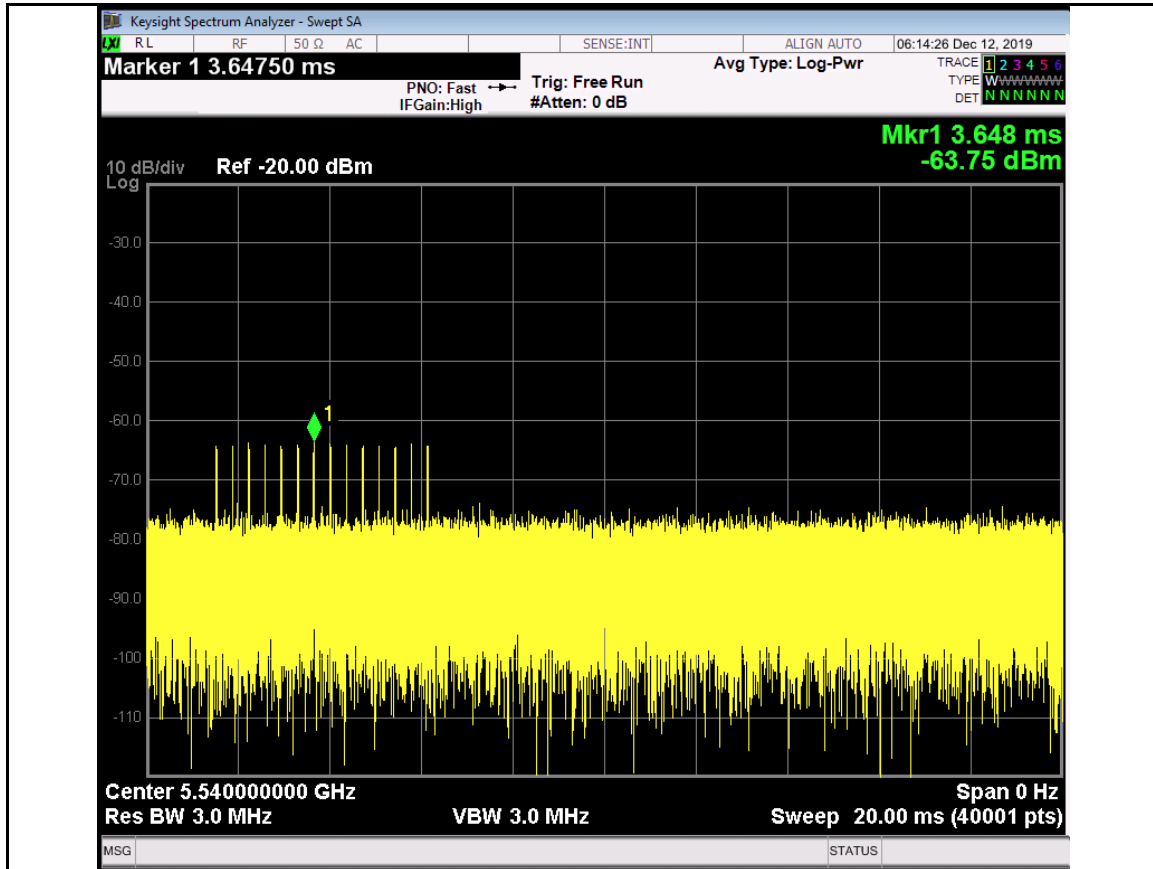




# ELECTRO MAGNETIC TEST, INC.

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## Radar Type 4




**ELECTRO MAGNETIC TEST, INC.**

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650)965-4000 Fax: (650)965-3000

**Radar Type 5**

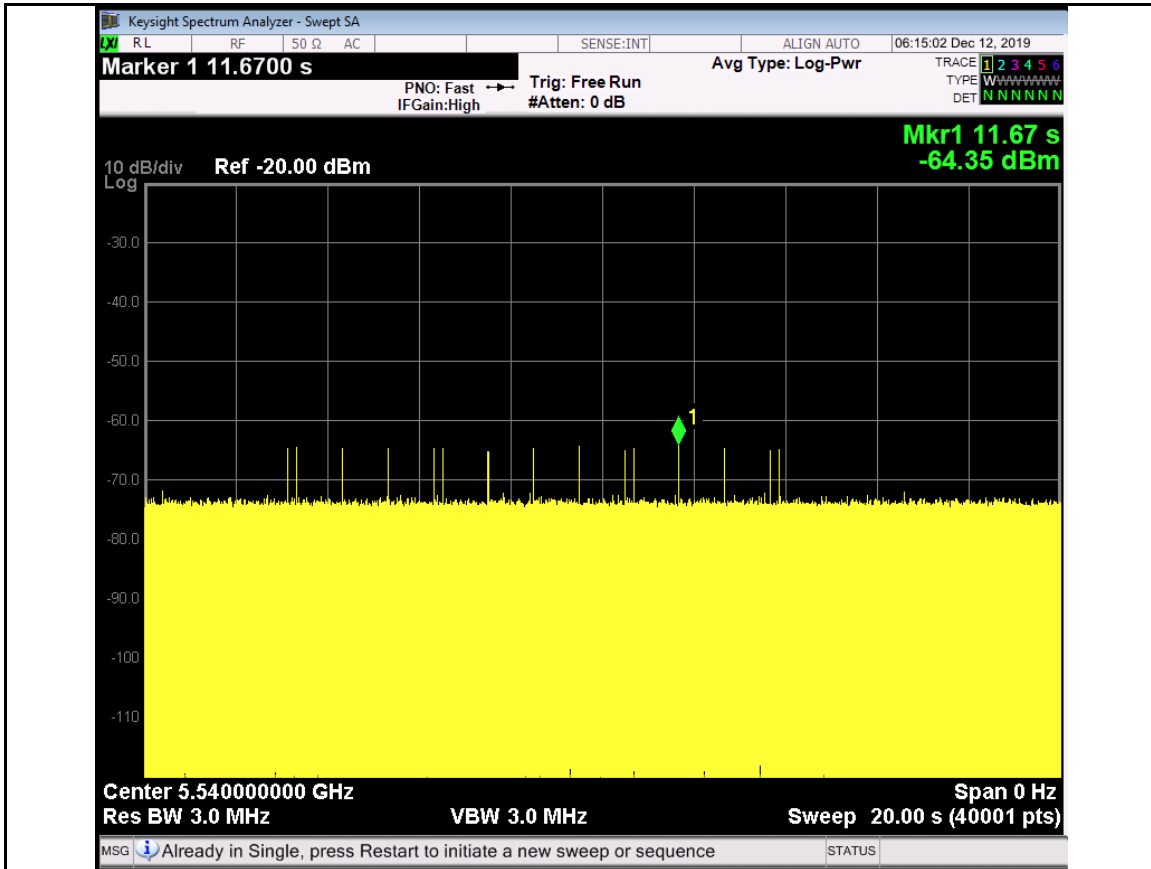
<b>Trial ID</b>	<b>Radar Type</b>	<b>Number of Bursts</b>	<b>Burst Period (s)</b>	<b>Waveform Length (us)</b>	<b>Chirp Bandwidth</b>
0	Type 5	15	0.8000000	12.0000000	Center
1	Type 5	8	1.5000000	12.0000000	Center
2	Type 5	11	1.0909091	12.0000000	Center
3	Type 5	20	0.6000000	12.0000000	Center
4	Type 5	17	0.7058824	12.0000000	Center
5	Type 5	14	0.8571429	12.0000000	Center
6	Type 5	15	0.8000000	12.0000000	Center
7	Type 5	12	1.0000000	12.0000000	Center
8	Type 5	14	0.8571429	12.0000000	Center
9	Type 5	8	1.5000000	12.0000000	Center
10	Type 5	17	0.7058824	12.0000000	Upper Edge
11	Type 5	19	0.6315789	12.0000000	Upper Edge
12	Type 5	15	0.8000000	12.0000000	Upper Edge
13	Type 5	12	1.0000000	12.0000000	Upper Edge
14	Type 5	19	0.6315789	12.0000000	Upper Edge
15	Type 5	14	0.8571429	12.0000000	Upper Edge
16	Type 5	20	0.6000000	12.0000000	Upper Edge
17	Type 5	12	1.0000000	12.0000000	Upper Edge
18	Type 5	14	0.8571429	12.0000000	Upper Edge
19	Type 5	12	1.0000000	12.0000000	Lower Edge
20	Type 5	16	0.7500000	12.0000000	Lower Edge
21	Type 5	12	1.0000000	12.0000000	Lower Edge
22	Type 5	20	0.6000000	12.0000000	Lower Edge
23	Type 5	14	0.8571429	12.0000000	Lower Edge
24	Type 5	13	0.9230769	12.0000000	Lower Edge
25	Type 5	8	1.5000000	12.0000000	Lower Edge
26	Type 5	17	0.7058824	12.0000000	Lower Edge
27	Type 5	19	0.6315789	12.0000000	Lower Edge
28	Type 5	12	1.0000000	12.0000000	Lower Edge
29	Type 5	18	0.6666667	12.0000000	Lower Edge



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## Radar Type 5




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**Radar Type 6**

<b>Trial ID</b>	<b>Radar Type</b>	<b>Pulse Width (us)</b>	<b>PRI (us)</b>	<b>Pulses per Hop</b>	<b>Hopping Rate (kHz)</b>	<b>Hopping Sequence Length (ms)</b>	<b>Visible Frequency Number</b>
0	Type 6	1.0	333.3	9	0.3333	300.00000	32
1	Type 6	1.0	333.3	9	0.3333	300.00000	27
2	Type 6	1.0	333.3	9	0.3333	300.00000	25
3	Type 6	1.0	333.3	9	0.3333	300.00000	33
4	Type 6	1.0	333.3	9	0.3333	300.00000	37
5	Type 6	1.0	333.3	9	0.3333	300.00000	30
6	Type 6	1.0	333.3	9	0.3333	300.00000	33
7	Type 6	1.0	333.3	9	0.3333	300.00000	27
8	Type 6	1.0	333.3	9	0.3333	300.00000	33
9	Type 6	1.0	333.3	9	0.3333	300.00000	30
10	Type 6	1.0	333.3	9	0.3333	300.00000	37
11	Type 6	1.0	333.3	9	0.3333	300.00000	36
12	Type 6	1.0	333.3	9	0.3333	300.00000	38
13	Type 6	1.0	333.3	9	0.3333	300.00000	35
14	Type 6	1.0	333.3	9	0.3333	300.00000	28
15	Type 6	1.0	333.3	9	0.3333	300.00000	37
16	Type 6	1.0	333.3	9	0.3333	300.00000	35
17	Type 6	1.0	333.3	9	0.3333	300.00000	37
18	Type 6	1.0	333.3	9	0.3333	300.00000	27
19	Type 6	1.0	333.3	9	0.3333	300.00000	34
20	Type 6	1.0	333.3	9	0.3333	300.00000	35
21	Type 6	1.0	333.3	9	0.3333	300.00000	37
22	Type 6	1.0	333.3	9	0.3333	300.00000	41
23	Type 6	1.0	333.3	9	0.3333	300.00000	36
24	Type 6	1.0	333.3	9	0.3333	300.00000	29
25	Type 6	1.0	333.3	9	0.3333	300.00000	32
26	Type 6	1.0	333.3	9	0.3333	300.00000	30
27	Type 6	1.0	333.3	9	0.3333	300.00000	31
28	Type 6	1.0	333.3	9	0.3333	300.00000	31
29	Type 6	1.0	333.3	9	0.3333	300.00000	40

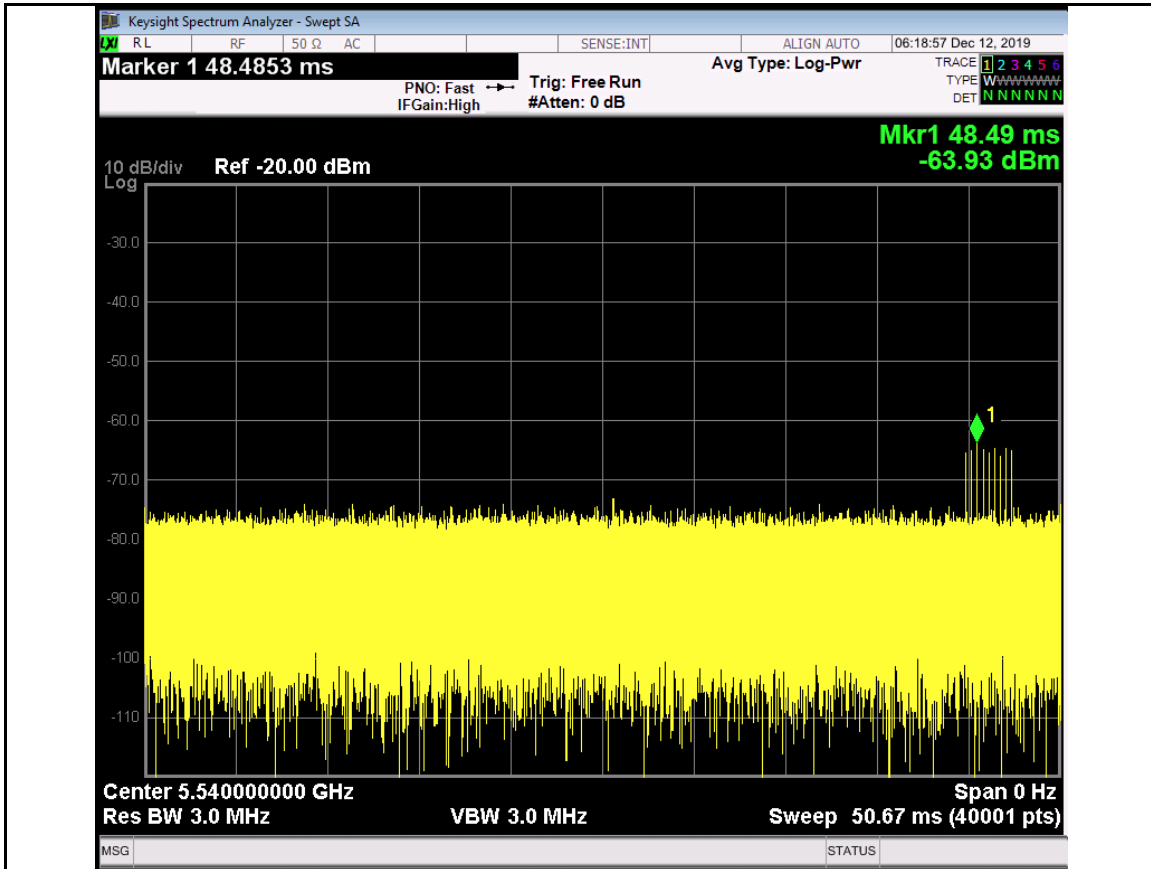




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## Radar Type 6





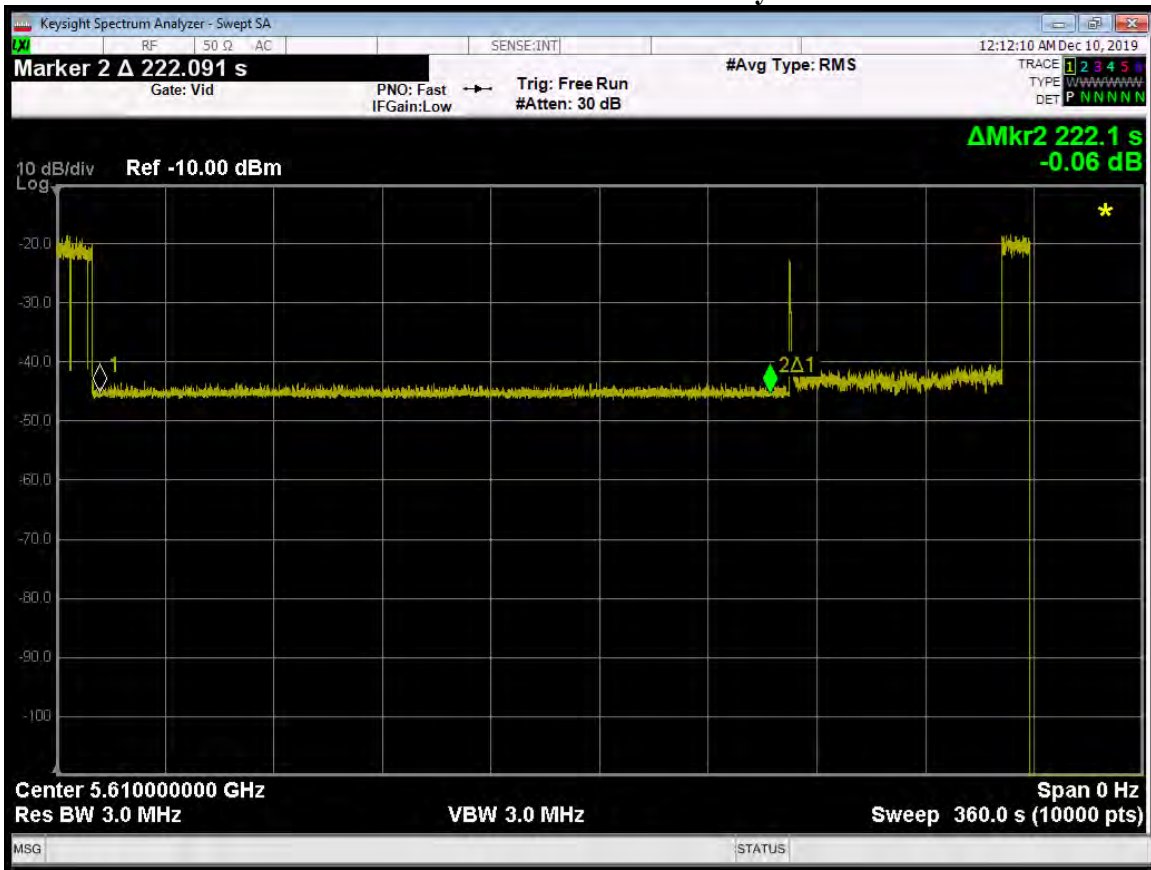
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**Channel Availability Check Time**

Company:	Airspan Networks	Test Date	12/9/2019, 12/10/2019			
EUT Name	Access Point	Test Engineer	Andreas Davidsson			
Model:	A5x	Test Result	PASS			
Operating Mode	TX Mode					
Radars Mode	Antenna	Test CH	Frequency (MHz)	Result (Seconds)	Limit (Seconds)	Conclusion
None	1+2	122	5610	222	≥ 60	PASS
Type 0 Sent at beginning	1+2	122	5610	N/A	N/A	PASS
Type 0 Sent at end	1+2	122	5610	N/A	N/A	PASS

**Antenna 1 + 2  
Channel 122 (5610MHz)  
Initial Channel Availability**











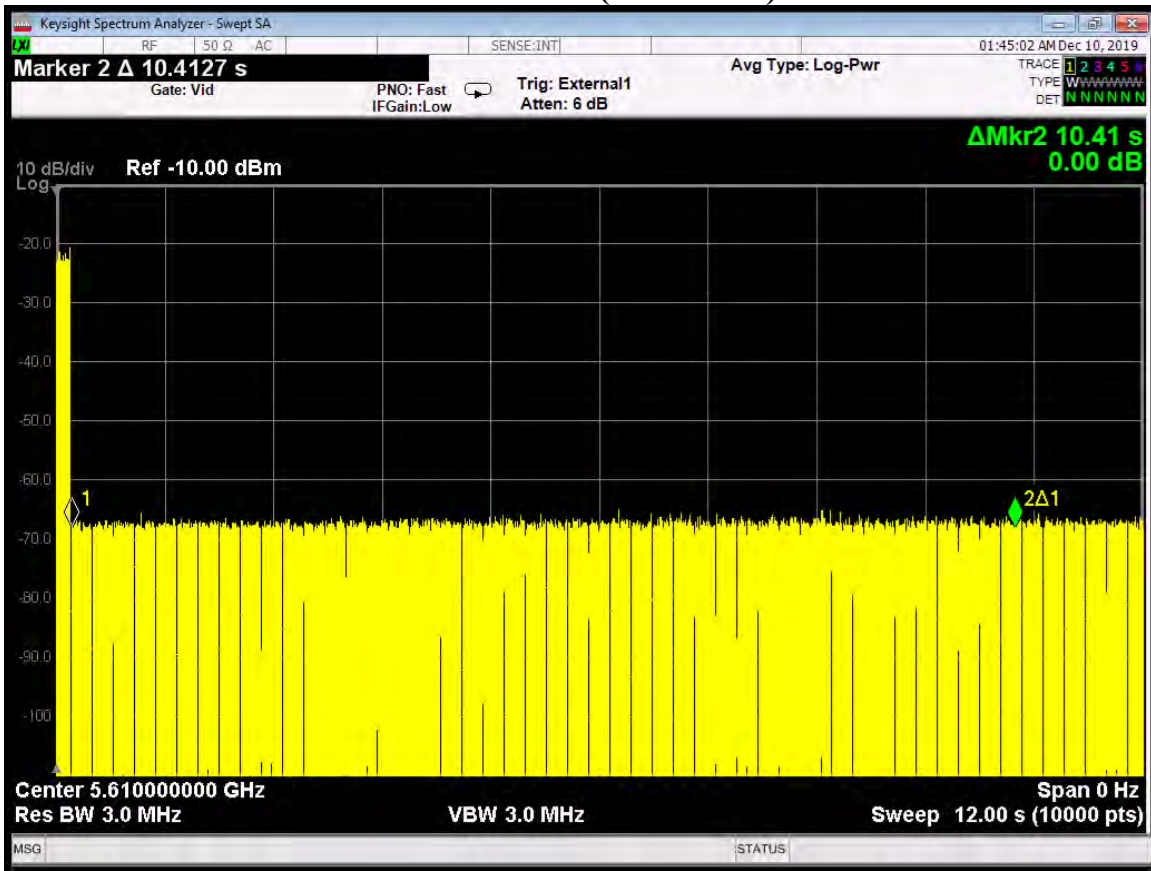
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**Channel Move Time**

Company:	Airspan Networks	Test Date	12/9/2019, 12/10/2019		
EUT Name	Access Point	Test Engineer	Andreas Davidsson		
Model:	A5x	Test Result	PASS		
Operating Mode	TX Mode				
<b>Radar Mode</b>	<b>Antenna</b>	<b>Test CH</b>	<b>Frequency (MHz)</b>	<b>Limit (Seconds)</b>	<b>Conclusion</b>
<b>Type 0</b>	1+2	122	5610	≥10	<b>PASS</b>

**Antenna 1 + 2  
Channel 122 (5610MHz)**





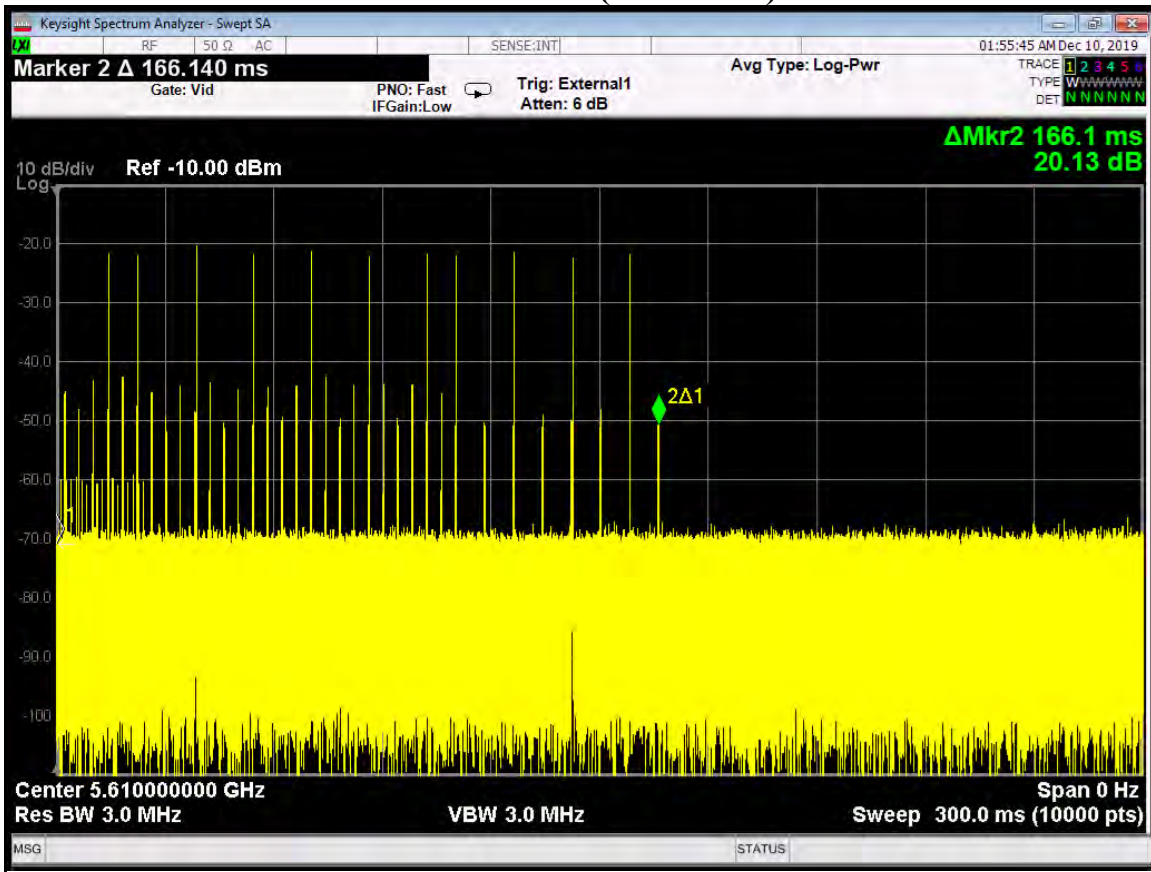
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**Channel Closing Transmission Time**

Company:	Airspan Networks	Test Date	12/9/2019, 12/10/2019			
EUT Name	Access Point	Test Engineer	Andreas Davidsson			
Model:	A5x	Test Result	PASS			
Operating Mode	TX Mode					
Radars Mode	Antenna	Test CH	Frequency (MHz)	Results (milliseconds)	Limit (milliseconds)	Conclusion
Type 0	1+2	122	5610	166.1	≤ 200+60 over 10 seconds	PASS

**Antenna 1 + 2  
Channel 122 (5610MHz)**





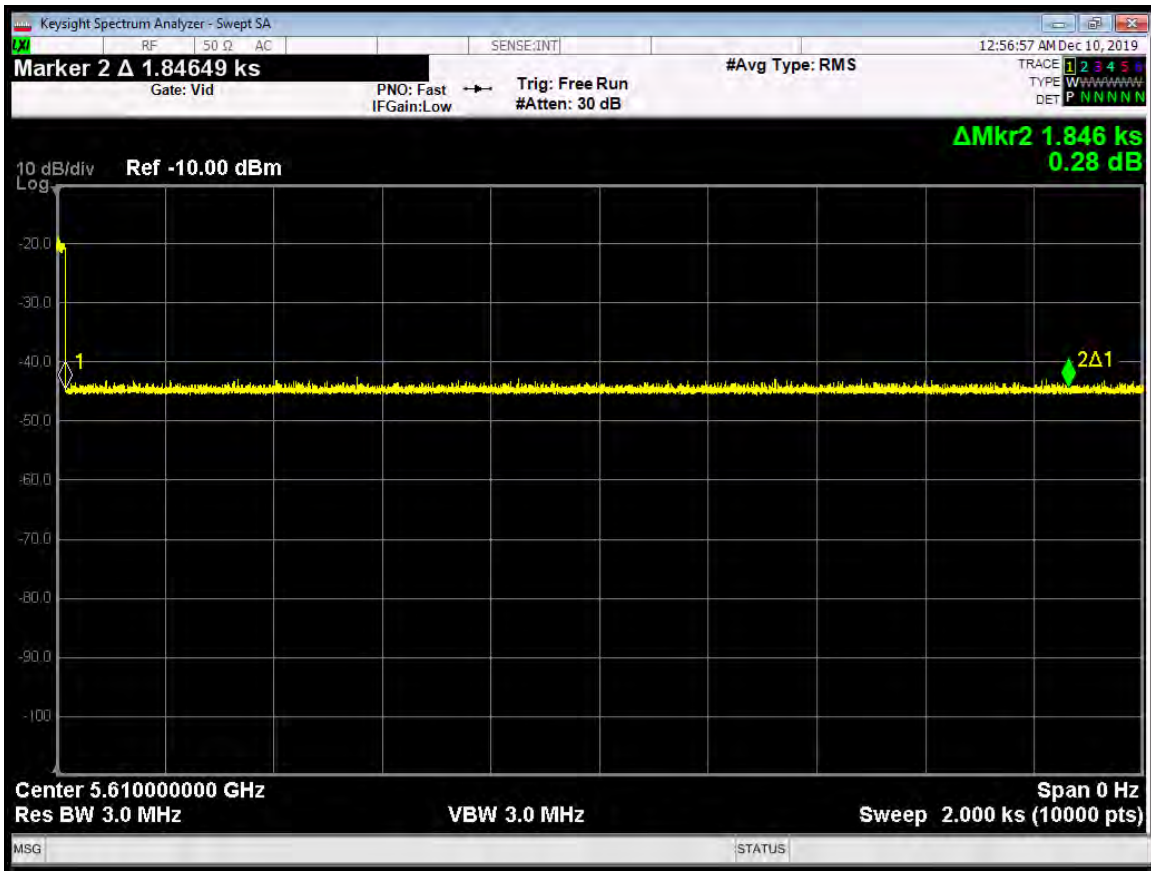
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**Non-Occupancy Period**

Company:	Airspan Networks	Test Date	12/9/2019, 12/10/2019			
EUT Name	Access Point	Test Engineer	Andreas Davidsson			
Model:	A5x	Test Result	PASS			
Operating Mode	TX Mode					
Radars Mode	Antenna	Test CH	Frequency (MHz)	Results (Seconds)	Limit (seconds)	Conclusion
Type 0	1+2	58	5290	> 1846	≥ 1800	PASS

**Antenna 1 + 2  
Channel 58 (5290MHz)**




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**U-NII Detection Bandwidth**

Company:	Airspan Networks		Test Date	12/9/2019, 12/10/2019				
EUT Name	Access Point		Test Engineer	Andreas Davidsson				
Model:	A5x		Test Result	PASS				
Operating Mode	TX Mode							
Radar Mode	Antenna	Test CH	Frequency (MHz)	Lowest Result (MHz)	Highest Result (MHz)	Results	Limit	Conclusion
Type 0	1+2	60	5300	5290	5310	100%	100%	PASS
Type 0	1+2	54	5270	5250	5290	100%	100%	PASS
Type 0	1+2	58	5290	5250	5330	100%	100%	PASS
Type 0	1+2	120	5600	5590	5610	100%	100%	PASS
Type 0	1+2	118	5590	5570	5610	100%	100%	PASS
Type 0	1+2	122	5610	5570	5650	100%	100%	PASS





## ELECTRO MAGNETIC TEST, INC.

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### Statistical Performance Check

Company:	Airspan Networks				Test Date	12/9/2019, 12/10/2019		
EUT Name	Access Point				Test Engineer	Andreas Davidsson		
Model:	A5x				Test Result	PASS		
Operating Mode	TX Mode							
Radar Mode	Antenna	Test CH	Frequency (MHz)	BW (MHz)	Responses	Result	Limit	Conclusion
Type 0	1+2	60	5300	20	30/30	100%	N/A	PASS
Type 1	1+2	60	5300	20	30/30	100%	60%	PASS
Type 2	1+2	60	5300	20	30/30	100%	60%	PASS
Type 3	1+2	60	5300	20	30/30	100%	60%	PASS
Type 4	1+2	60	5300	20	30/30	100%	60%	PASS
Type 5	1+2	60	5300	20	30/30	100%	80%	PASS
Type 6	1+2	60	5300	20	30/30	100%	70%	PASS
Type 0	1+2	54	5270	40	30/30	100%	N/A	PASS
Type 1	1+2	54	5270	40	30/30	100%	60%	PASS
Type 2	1+2	54	5270	40	30/30	100%	60%	PASS
Type 3	1+2	54	5270	40	30/30	100%	60%	PASS
Type 4	1+2	54	5270	40	30/30	100%	60%	PASS
Type 5	1+2	54	5270	40	30/30	100%	80%	PASS
Type 6	1+2	54	5270	40	30/30	100%	70%	PASS
Type 0	1+2	58	5290	80	30/30	100%	N/A	PASS
Type 1	1+2	58	5290	80	30/30	100%	60%	PASS
Type 2	1+2	58	5290	80	30/30	100%	60%	PASS
Type 3	1+2	58	5290	80	30/30	100%	60%	PASS
Type 4	1+2	58	5290	80	30/30	100%	60%	PASS
Type 5	1+2	58	5290	80	30/30	100%	80%	PASS
Type 6	1+2	58	5290	80	30/30	100%	70%	PASS
Type 0	1+2	100	5500	20	30/30	100%	N/A	PASS
Type 1	1+2	100	5500	20	30/30	100%	60%	PASS
Type 2	1+2	100	5500	20	30/30	100%	60%	PASS
Type 3	1+2	100	5500	20	30/30	100%	60%	PASS
Type 4	1+2	100	5500	20	30/30	100%	60%	PASS
Type 5	1+2	100	5500	20	30/30	100%	80%	PASS
Type 6	1+2	100	5500	20	30/30	100%	70%	PASS
Type 0	1+2	110	5550	40	30/30	100%	N/A	PASS
Type 1	1+2	110	5550	40	30/30	100%	60%	PASS
Type 2	1+2	110	5550	40	30/30	100%	60%	PASS
Type 3	1+2	110	5550	40	30/30	100%	60%	PASS

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Type 4	1+2	110	5550	40	30/30	100%	60%	PASS
Type 5	1+2	110	5550	40	30/30	100%	80%	PASS
Type 6	1+2	110	5550	40	30/30	100%	70%	PASS
Type 0	1+2	106	5530	80	30/30	100%	N/A	PASS
Type 1	1+2	106	5530	80	30/30	100%	60%	PASS
Type 2	1+2	106	5530	80	30/30	100%	60%	PASS
Type 3	1+2	106	5530	80	30/30	100%	60%	PASS
Type 4	1+2	106	5530	80	30/30	100%	60%	PASS
Type 5	1+2	106	5530	80	30/30	100%	80%	PASS
Type 6	1+2	106	5530	80	30/30	100%	70%	PASS



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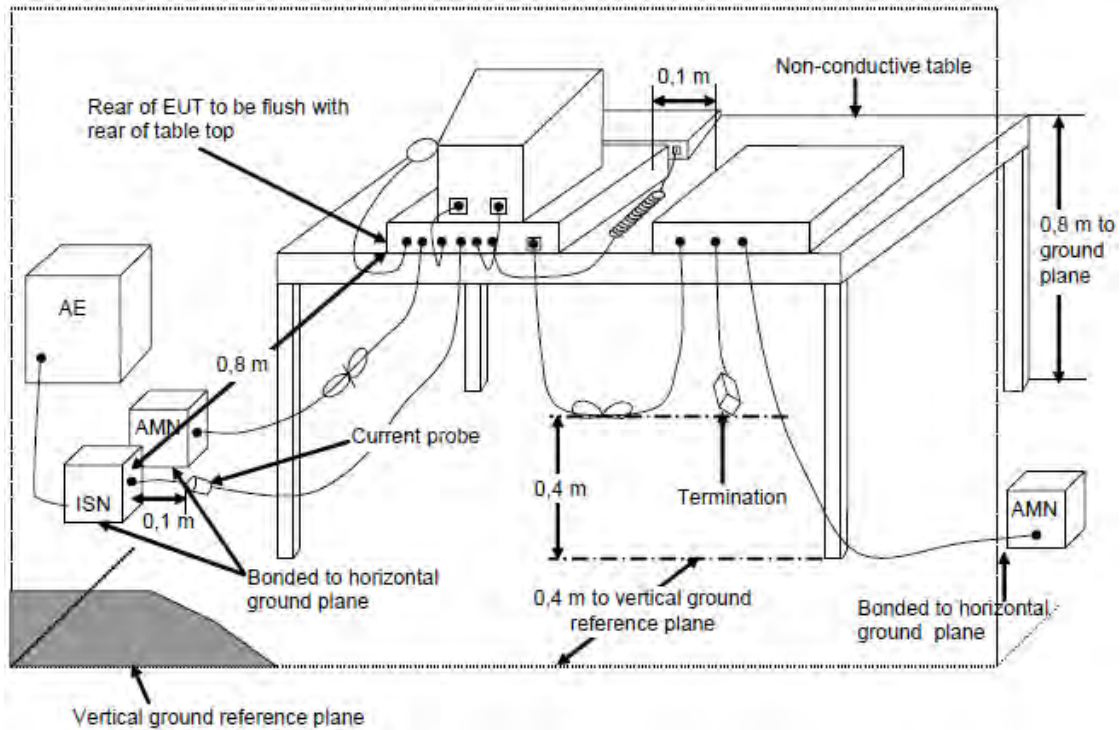
## **APPENDIX B**

### ***TEST SETUP DIAGRAMS***

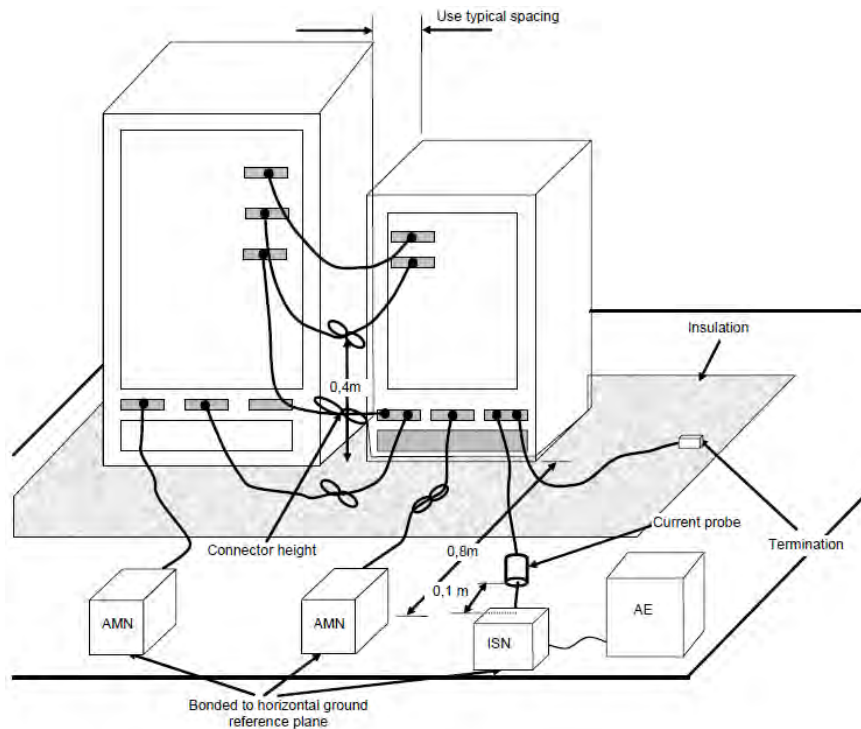


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**FIGURE 1 – TABLETOP CONDUCTED EMISSIONS TEST SETUP – SITE “D”**



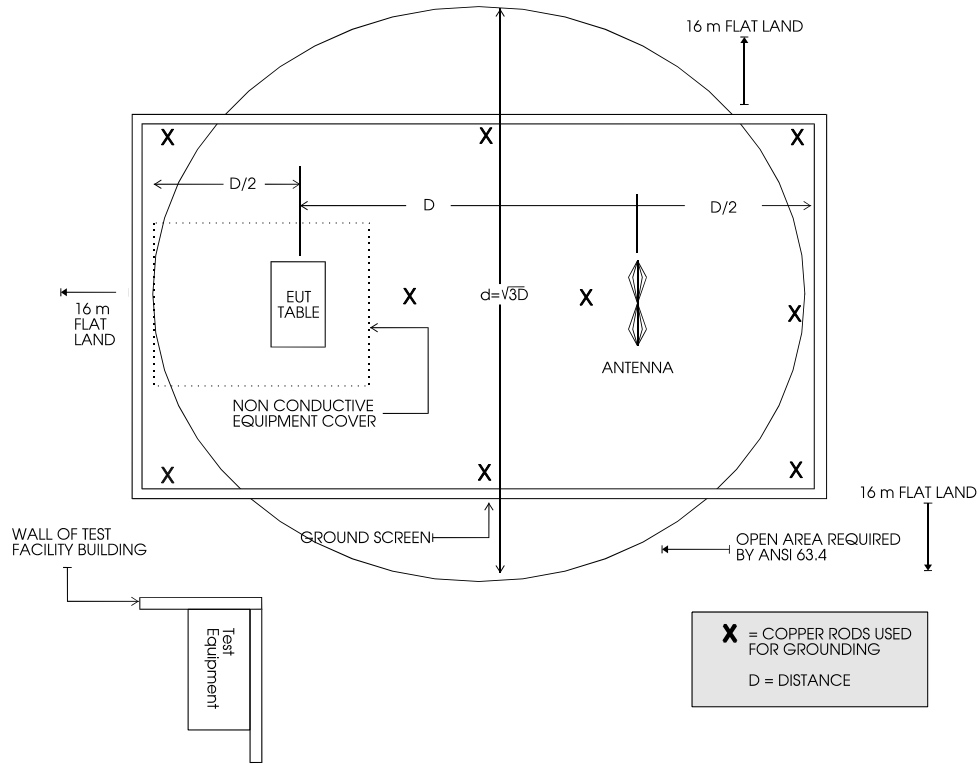
**FIGURE 1a – FLOORSTANDING CONDUCTED EMISSIONS TEST SETUP – SITE “D”**



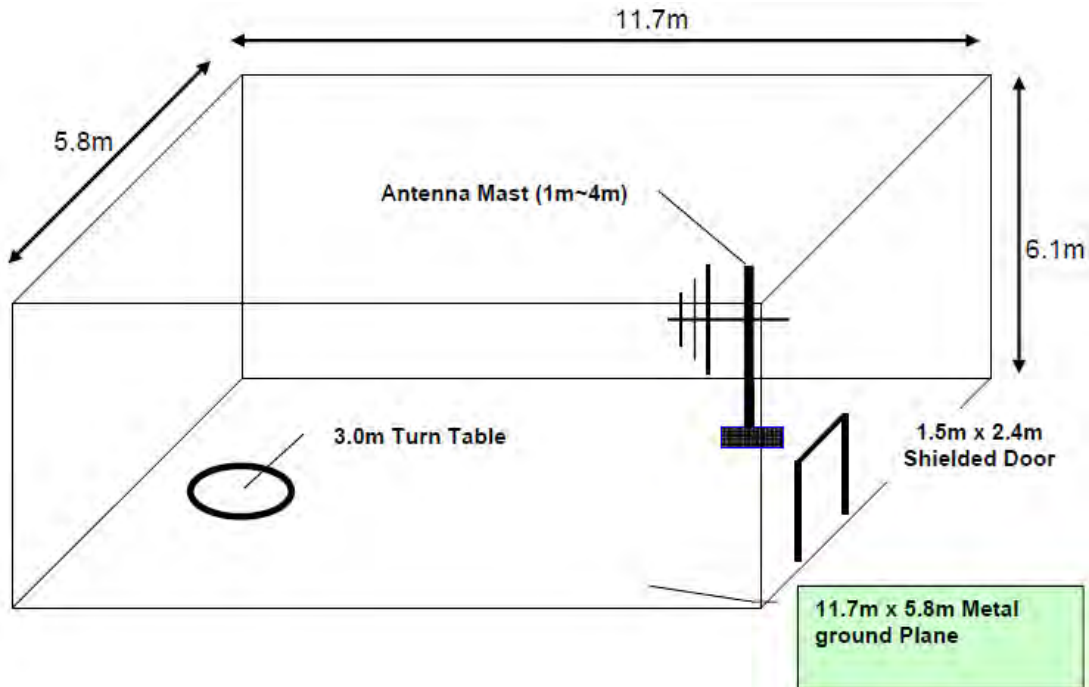


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**FIGURE 2 - PLOT MAP AND LAYOUT OF TEST SITE "A"**

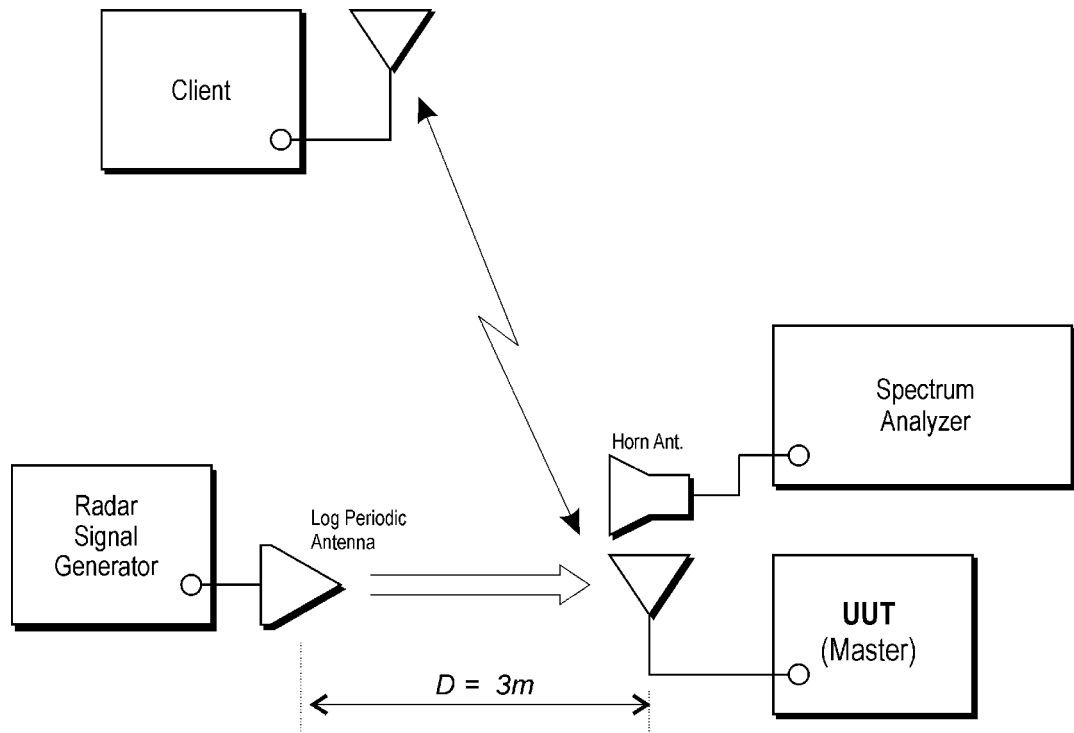


**FIGURE 3 - LAYOUT OF 5 METER SEMI-ANECHOIC CHAMBER**



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**FIGURE 4 - RADIATED SETUP WHERE UUT IS A MASTER AND RADAR TEST WAVEFORMS ARE INJECTED INTO THE MASTER**



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## **APPENDIX C**

### ***MODIFICATIONS TO THE EUT***



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## **MODIFICATIONS TO THE EUT**

No modifications were made to the EUT by Electro Magnetic Test, Inc. personnel during the testing.





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**APPENDIX D**

***ADDITIONAL MODELS COVERED  
UNDER THIS REPORT***



***ELECTRO MAGNETIC TEST, INC.***

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## **ADDITIONAL MODELS COVERED UNDER THIS REPORT**

There are no additional models to be covered under this report.



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## **End of Report**

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