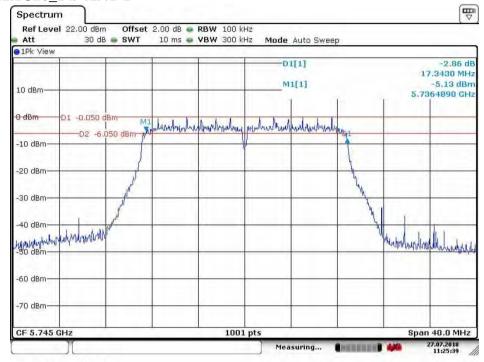


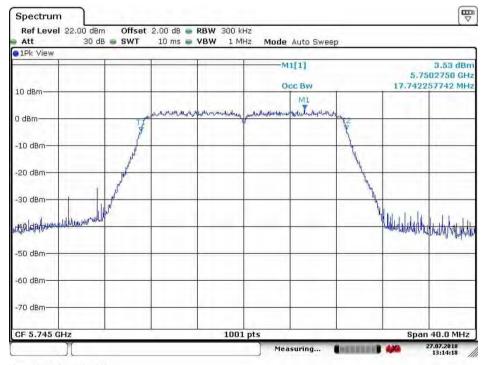
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5.5.1.1.9 11AC20_149 ANT 1



Date: 27.JUL.2018 11:25:39



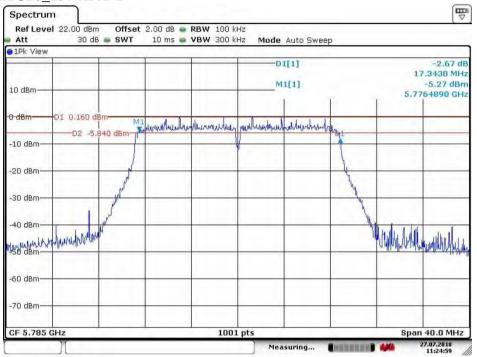
Date: 27.JUL.2018 13:14:19



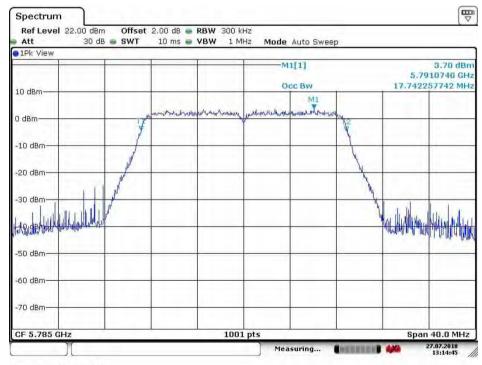
Report No.: SZEM180700654903

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5.5.1.1.10 11AC20_157 ANT 1



Date: 27.JUL.2018 11:24:59



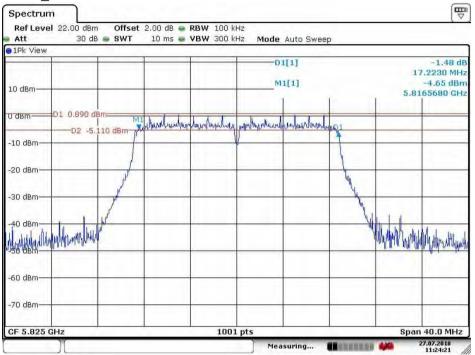
Date: 27 JUL 2018 13:14:46



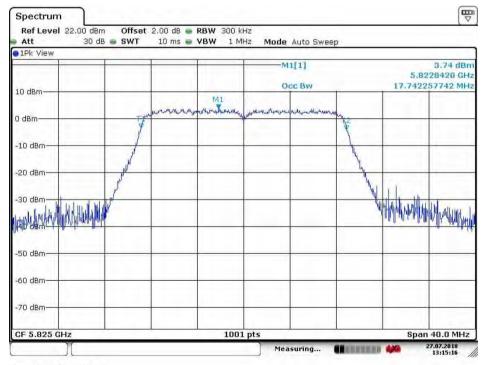
Report No.: SZEM180700654903

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5.5.1.1.11 11AC20_165 ANT 1



Date: 27.JUL,2018 11:24:21



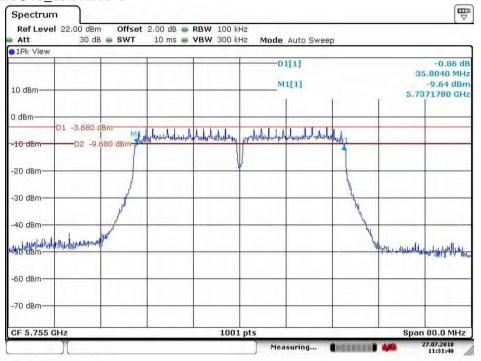
Date: 27.JUL.2018 13:15:17



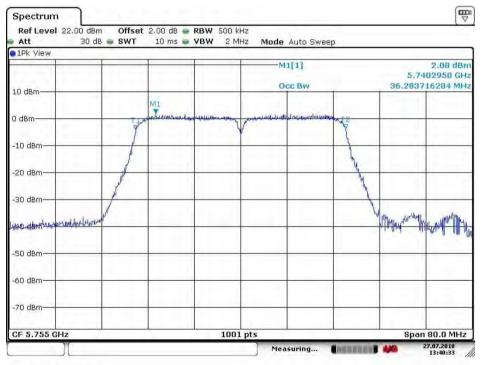
Report No.: SZEM180700654903

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5.5.1.1.12 11AC40_151 ANT 1



Date: 27.JUL.2018 11:31:40



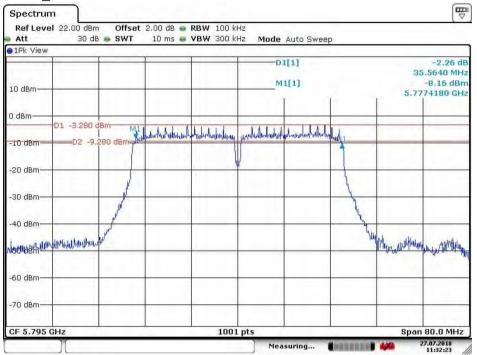
Date: 27.JUL.2018 13:40:33



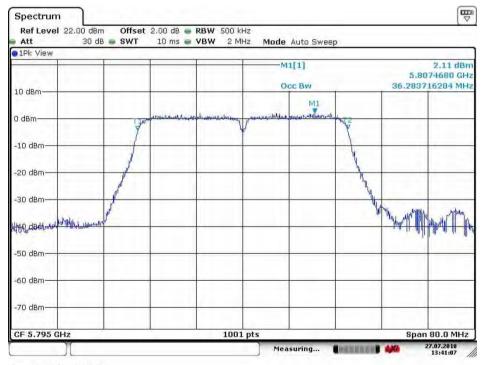
Report No.: SZEM180700654903

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5.5.1.1.13 11AC40_159 ANT 1



Date: 27.JUL.2018 11:32:23



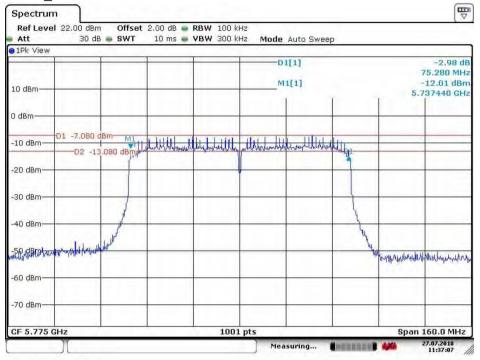
Date: 27.JUL.2018 13:41:07



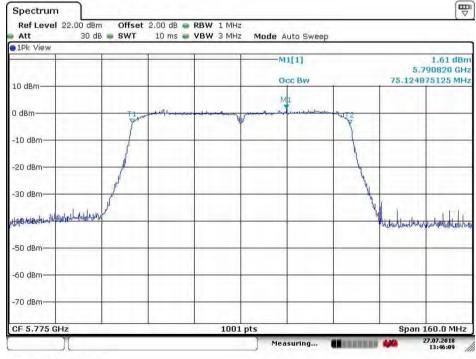
Report No.: SZEM180700654903

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5.5.1.1.14 11AC80_155 ANT 1



Date: 27.JUL.2018 11:37:07



Date: 27.JUL.2018 13:46:08

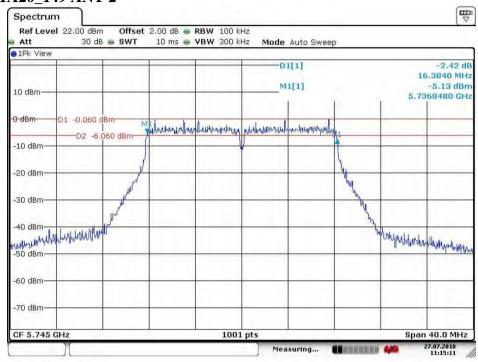


Report No.: SZEM180700654903

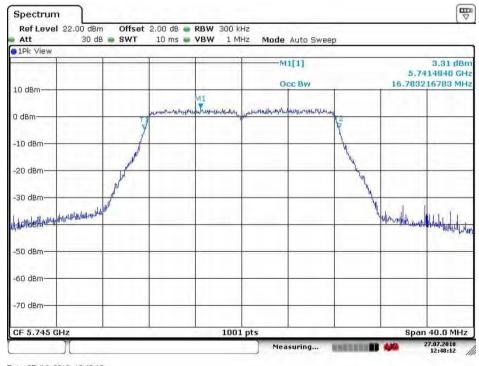
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5.5.1.2 SISO ANT 2

5.5.1.2.1 11A20 149 ANT 2



Date: 27.JUL.2018 11:15:12



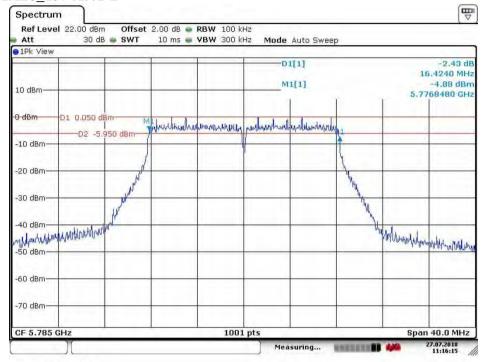
Date: 27 JUL 2018 12:48:13



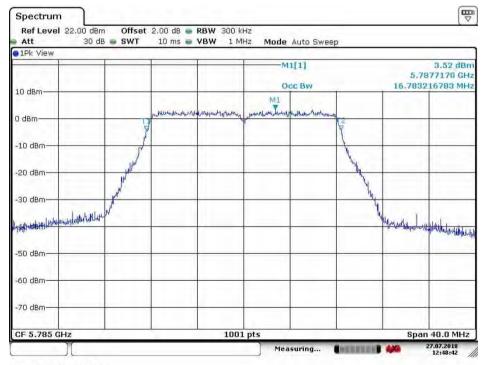
Report No.: SZEM180700654903

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5.5.1.2.2 11A20 157 ANT 2



Date: 27 JUL. 2018 11:16:15



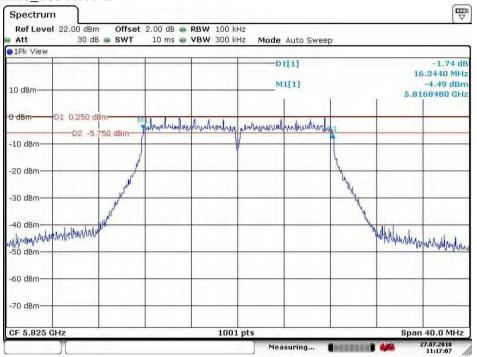
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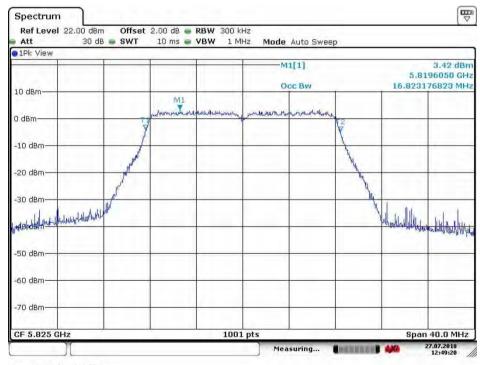
Report No.: SZEM180700654903

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5.5.1.2.3 11A20 165 ANT 2



Date: 27.JUL.2018 11:17:07



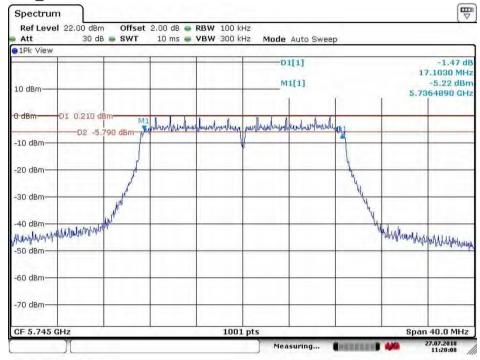
Date: 27.JUL.2018 12:49:21



Report No.: SZEM180700654903

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5.5.1.2.4 11N20 149 ANT 2



Date: 27.JUL.2018 11:20:09



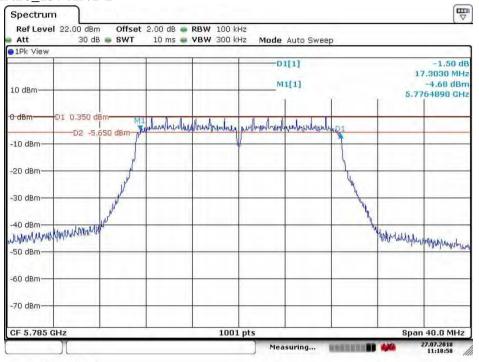
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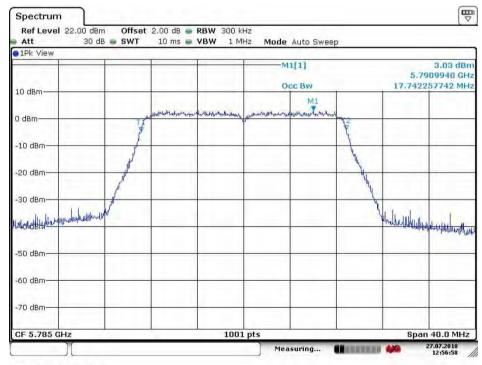
Report No.: SZEM180700654903

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5.5.1.2.5 11N20 157 ANT 2



Date: 27 JUL 2018 11:18:57



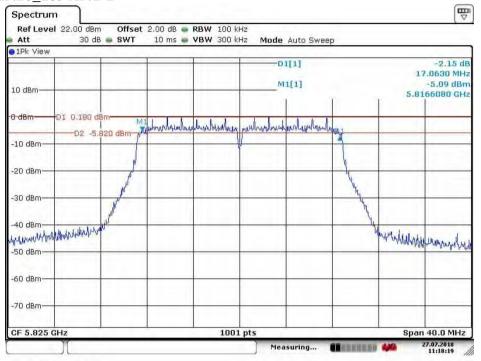
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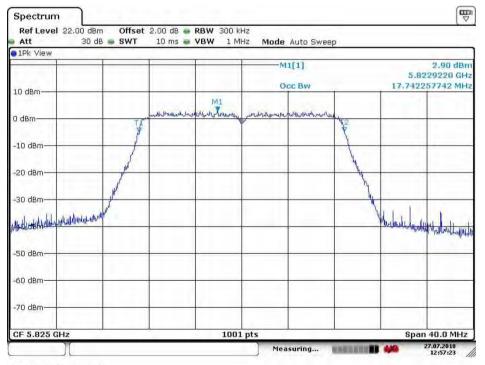
Report No.: SZEM180700654903

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5.5.1.2.6 11N20 165 ANT 2



Date: 27.JUL.2018 11:18:19



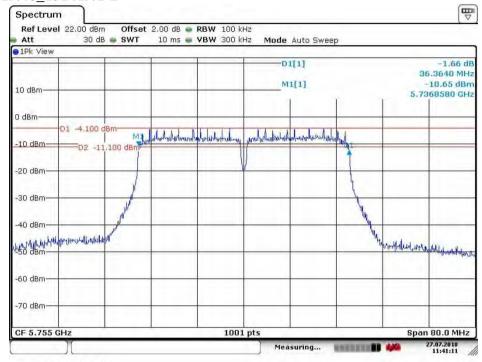
Date: 27.JUL.2018 12:57:23



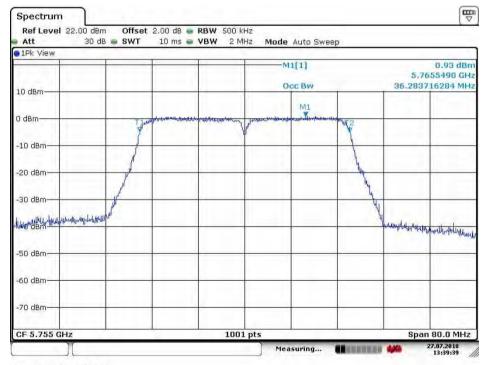
Report No.: SZEM180700654903

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5.5.1.2.7 11N40 151 ANT 2



Date: 27.JUL,2018 11:41:11



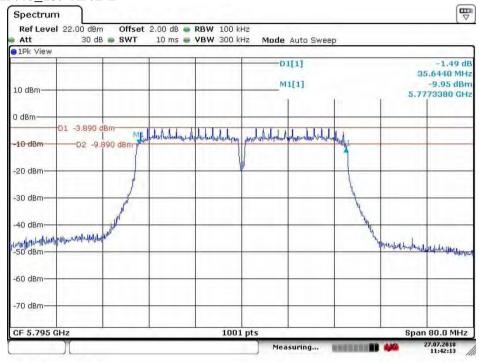
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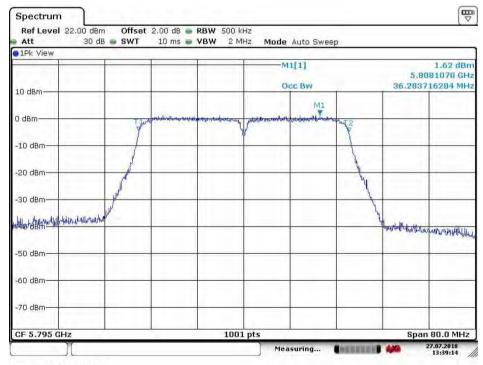
Report No.: SZEM180700654903

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5.5.1.2.8 11N40 159 ANT 2



Date: 27 JUL 2018 11:42:13



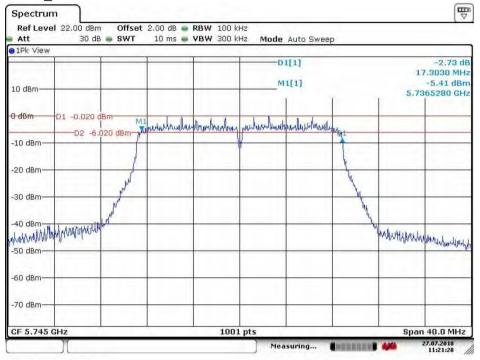
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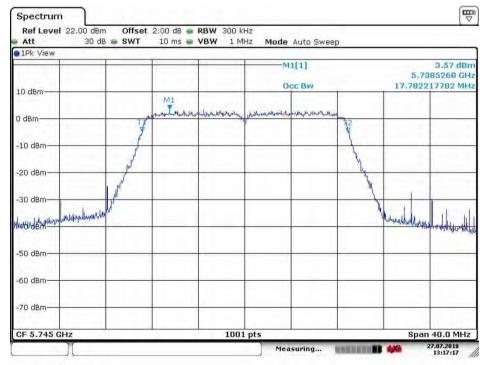
Report No.: SZEM180700654903

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5.5.1.2.9 11AC20_149 ANT 2



Date: 27.JUL.2018 11:21:28



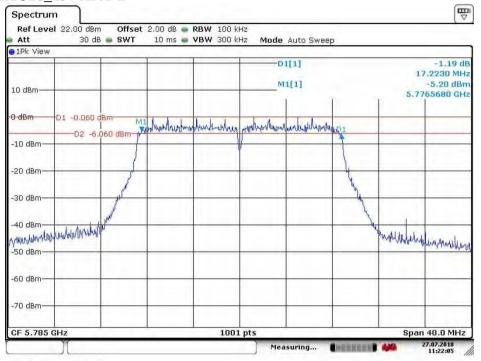
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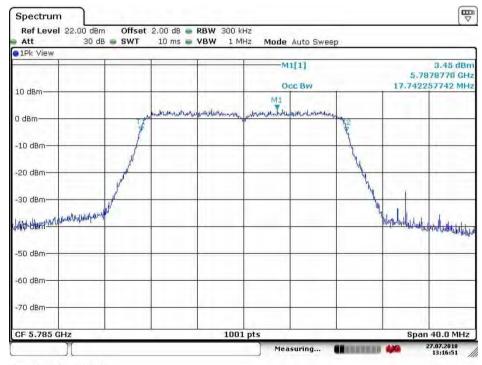
Report No.: SZEM180700654903

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5.5.1.2.10 11AC20_157 ANT 2



Date: 27.JUL.2018 11:22:05



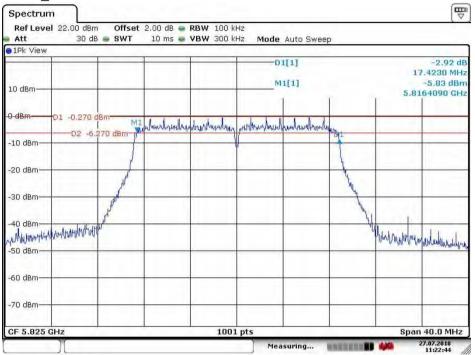
Date: 27.JUL.2018 13:16:52



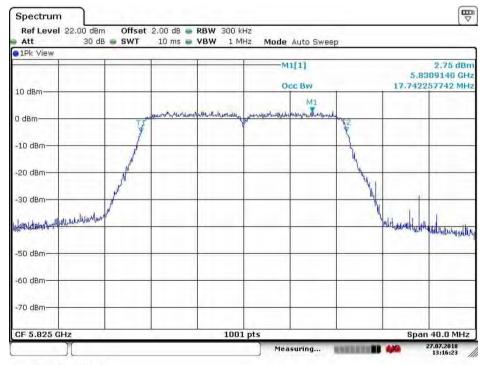
Report No.: SZEM180700654903

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5.5.1.2.11 11AC20_165 ANT 2



Date: 27 JUL 2018 11:22:44



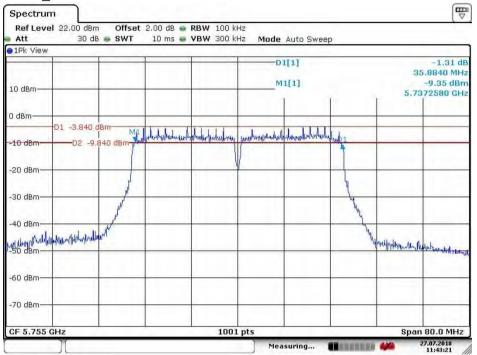
Date: 27.JUL.2018 13:16:24



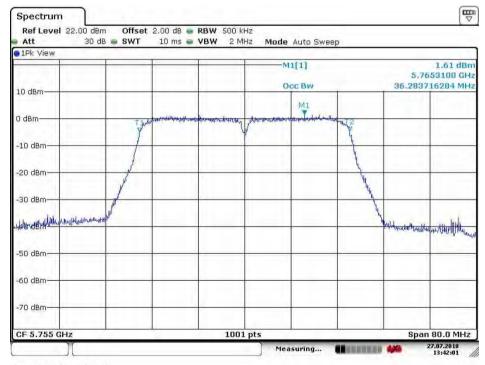
Report No.: SZEM180700654903

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5.5.1.2.12 11AC40_151 ANT 2



Date: 27.JUL.2018 11:43:21



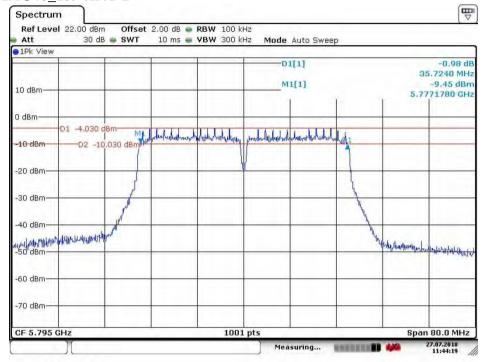
Date: 27.JUL.2018 13:42:02



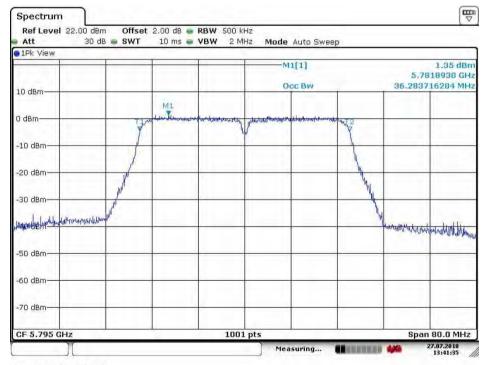
Report No.: SZEM180700654903

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5.5.1.2.13 11AC40_159 ANT 2



Date: 27.JUL,2018 11:44:19



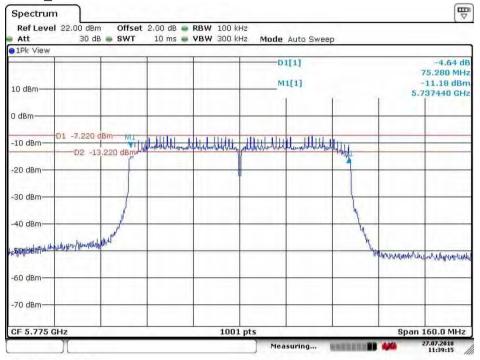
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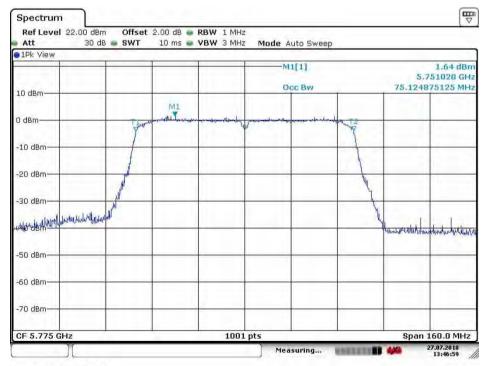
Report No.: SZEM180700654903

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5.5.1.2.14 11AC80_155 ANT 2



Date: 27.JUL.2018 11:39:15



Date: 27.JUL.2018 13:46:59

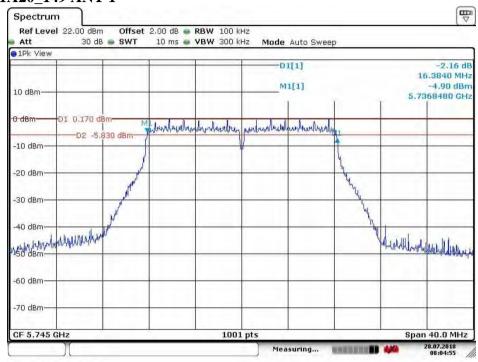


Report No.: SZEM180700654903

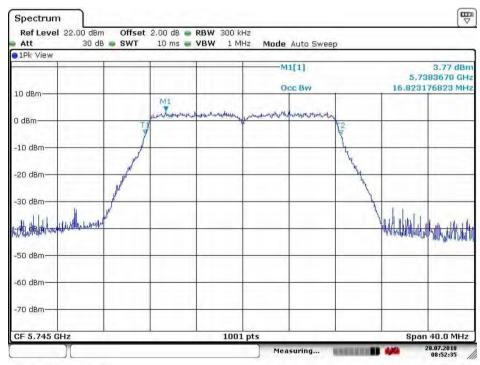
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5.5.1.3 MIMO ANT 1

5.5.1.3.1 11A20 149 ANT 1



Date: 28.JUL.2018 08:04:56



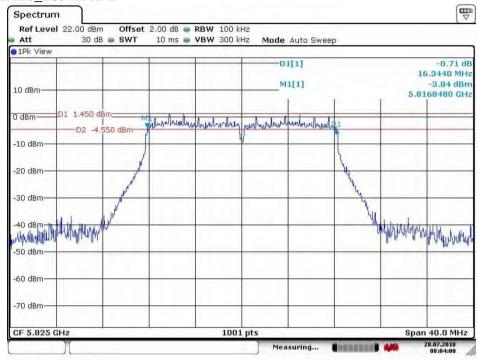
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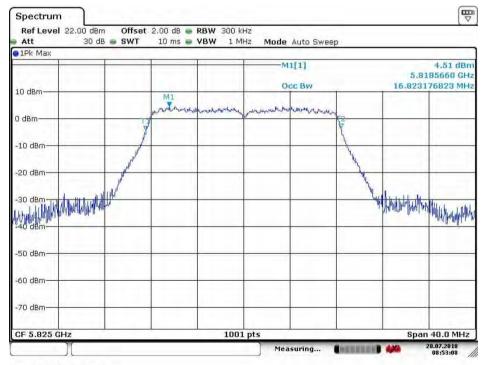
Report No.: SZEM180700654903

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5.5.1.3.2 11A20 165 ANT 1



Date: 28.JUL.2018 08:04:00



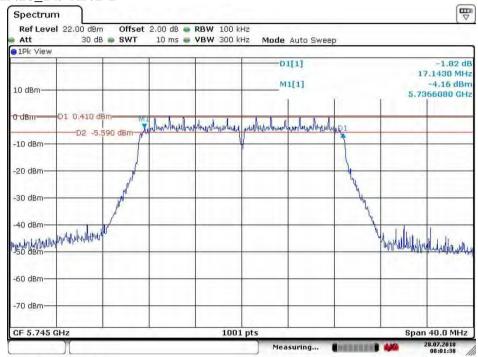
Date: 28.JUL.2018 08:53:09



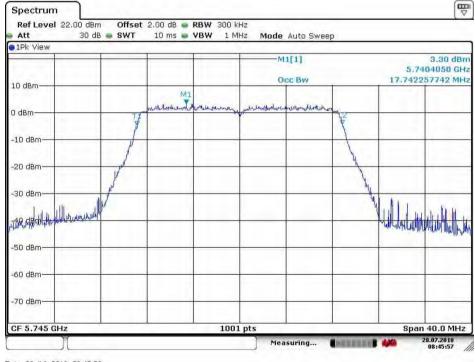
Report No.: SZEM180700654903

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5.5.1.3.3 11N20 149 ANT 1



Date: 28.JUL.2018 08:01:38



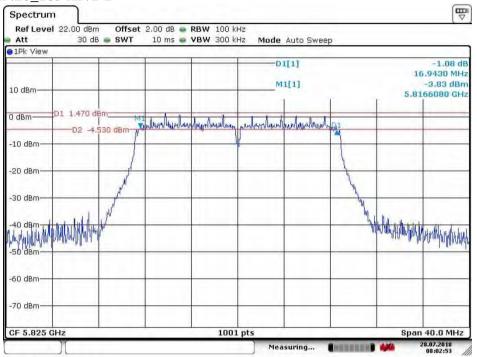
Date: 28.JUL.2018 08:45:58



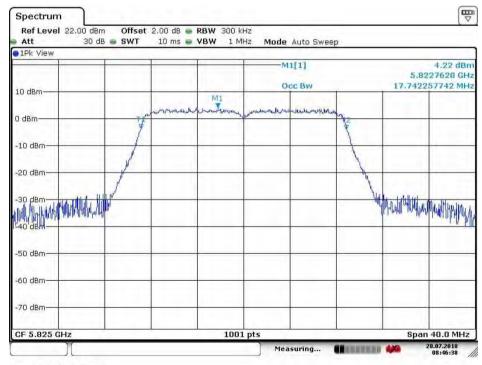
Report No.: SZEM180700654903

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5.5.1.3.4 11N20 165 ANT 1



Date: 28.JUL.2018 08:02:53



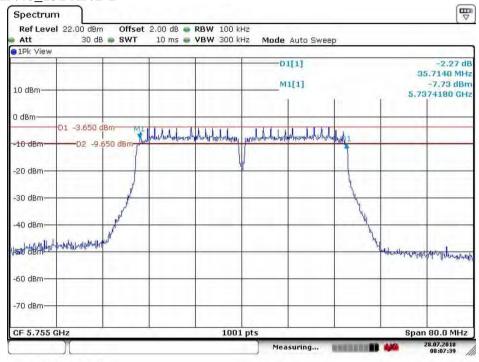
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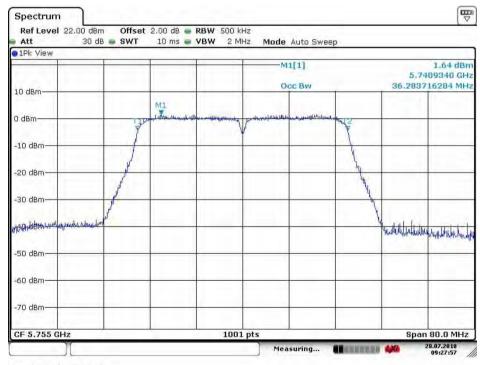
Report No.: SZEM180700654903

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5.5.1.3.5 11N40 151 ANT 1



Date: 28.JUL.2018 08:07:39



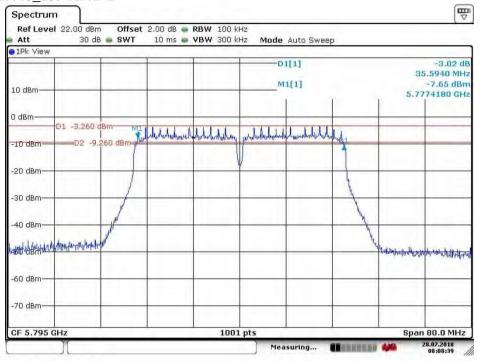
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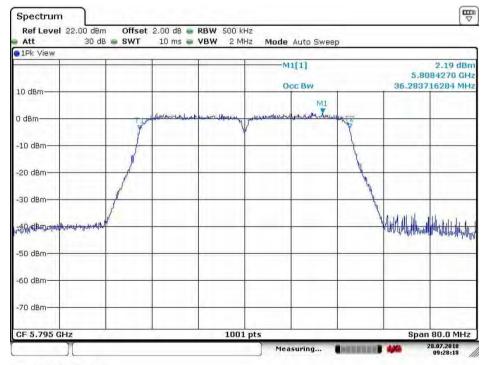
Report No.: SZEM180700654903

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5.5.1.3.6 11N40 159 ANT 1



Date: 28.JUL.2018 08:08:39



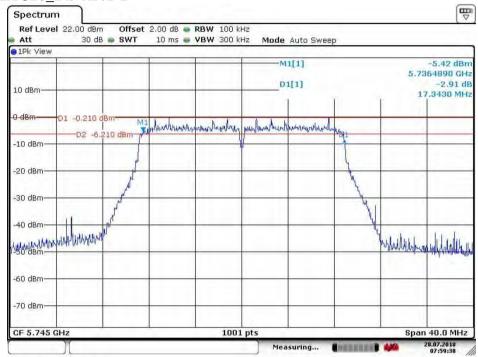
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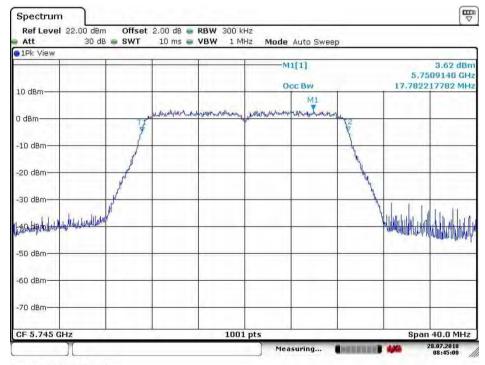
Report No.: SZEM180700654903

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5.5.1.3.7 11AC20_149 ANT 1



Date: 28.JUL.2018 07:59:38



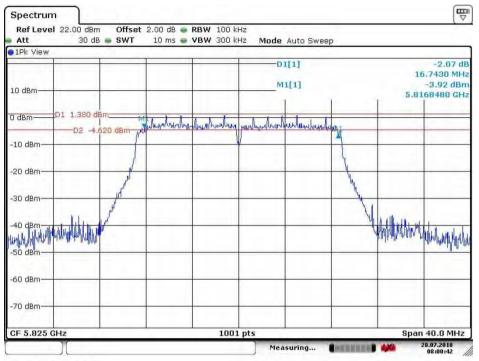
Date: 28.JUL.2018 08:45:00



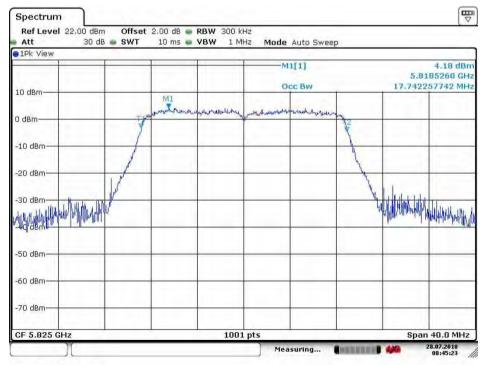
Report No.: SZEM180700654903

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5.5.1.3.8 11AC20 165 ANT 1



Date: 28.JUL.2018 08:00:42



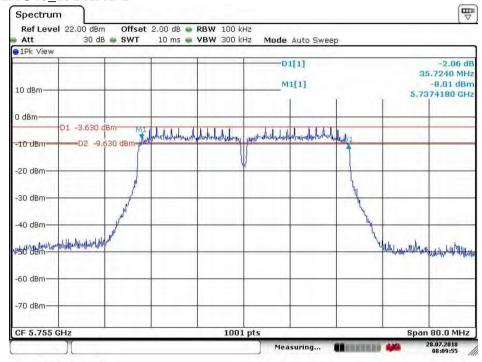
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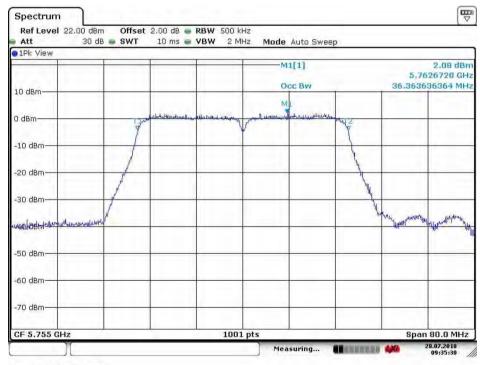
Report No.: SZEM180700654903

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5.5.1.3.9 11AC40_151 ANT 1



Date: 28.JUL.2018 08:09:55



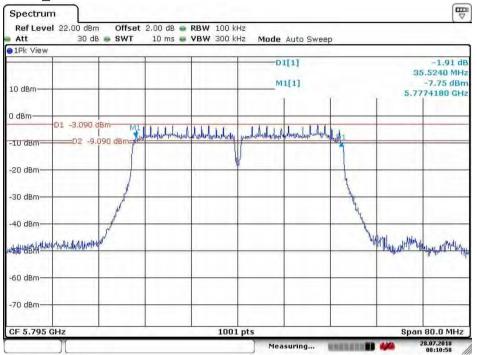
Date: 28.JUL.2018 09:35:31



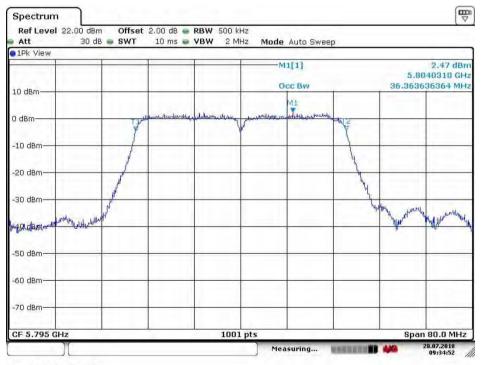
Report No.: SZEM180700654903

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5.5.1.3.10 11AC40_159 ANT 1



Date: 28.JUL,2018 08:10:59



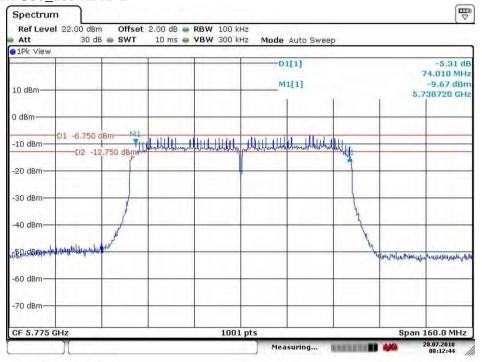
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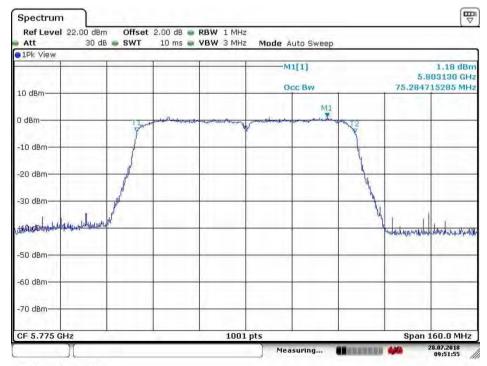
Report No.: SZEM180700654903

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5.5.1.3.11 11AC80_155 ANT 1



Date: 28.JUL.2018 08:12:44



Date: 28.JUL.2018 09:51:56

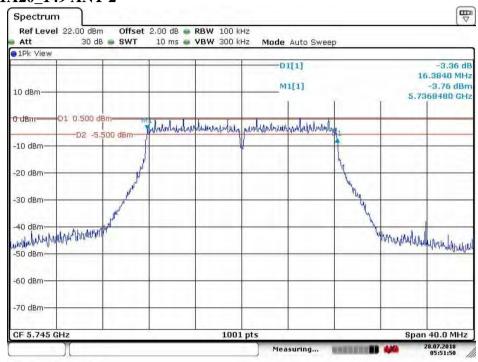


Report No.: SZEM180700654903

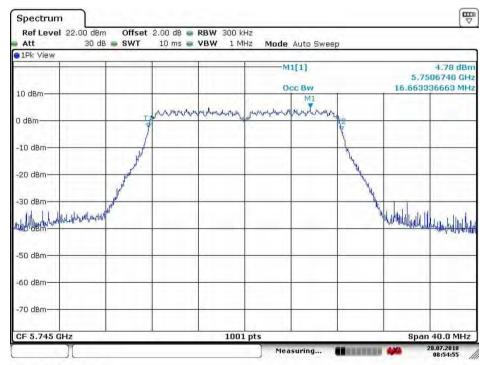
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5.5.1.4 MIMO ANT 2

5.5.1.4.1 11A20 149 ANT 2



Date: 28.JUL.2018 05:51:51



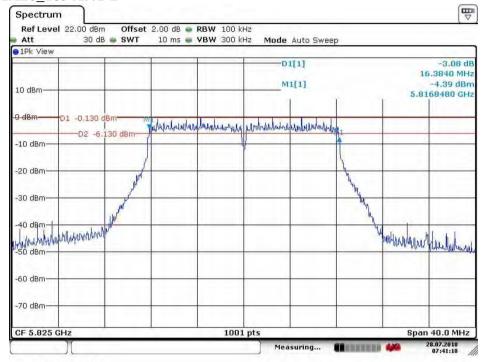
Date: 28.JUL.2018 08:54:55



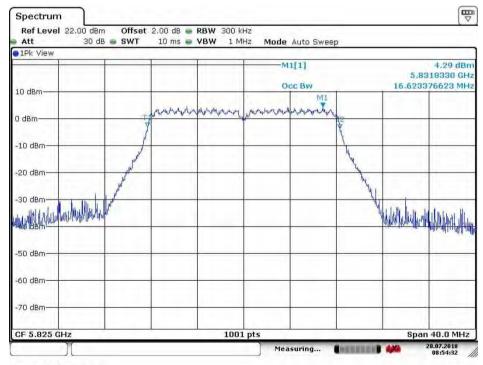
Report No.: SZEM180700654903

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5.5.1.4.2 11A20 165 ANT 2



Date: 28.JUL.2018 07:41:18



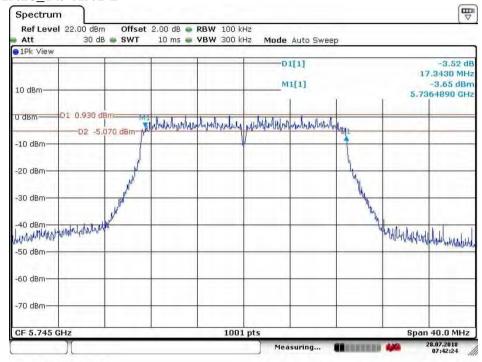
Date: 28.JUL.2018 08:54:32



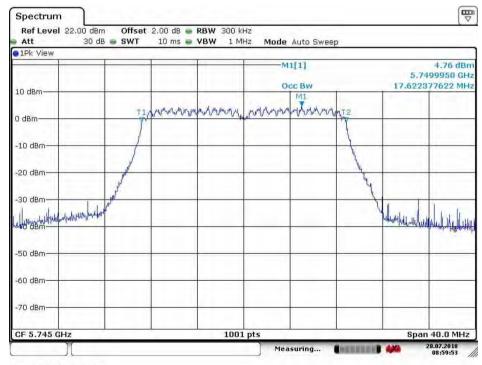
Report No.: SZEM180700654903

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5.5.1.4.3 11N20 149 ANT 2



Date: 28.JUL 2018 07:42:24



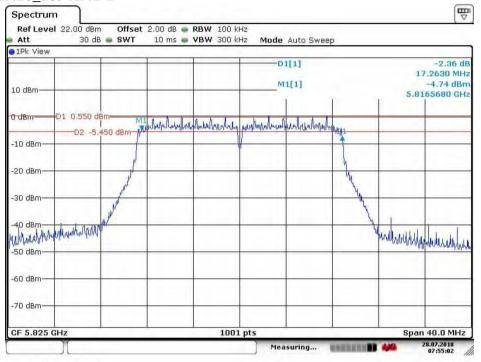
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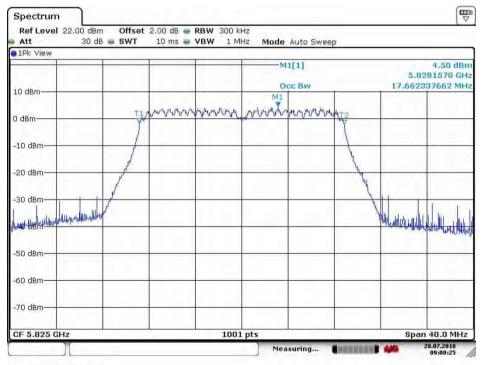
Report No.: SZEM180700654903

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5.5.1.4.4 11N20 165 ANT 2



Date: 28.JUL.2018 07:55:02



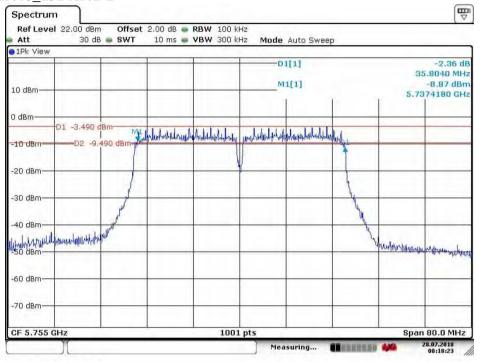
Date: 28.JUL.2018 09:00:26



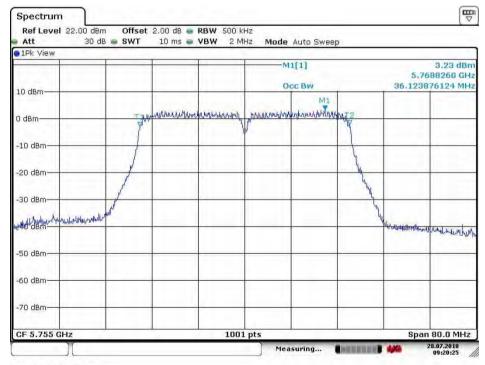
Report No.: SZEM180700654903

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5.5.1.4.5 11N40 151 ANT 2



Date: 28.JUL.2018 08:18:23



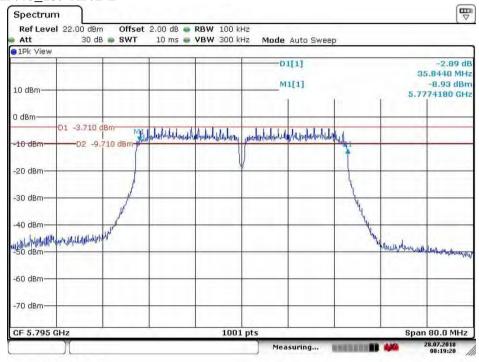
Date: 28.JUL.2018 09:20:25



Report No.: SZEM180700654903

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5.5.1.4.6 11N40 159 ANT 2



Date: 28.JUL.2018 08:19:21



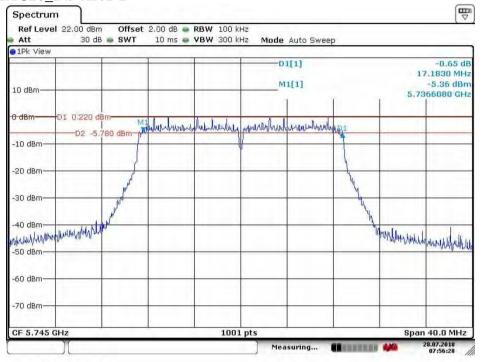
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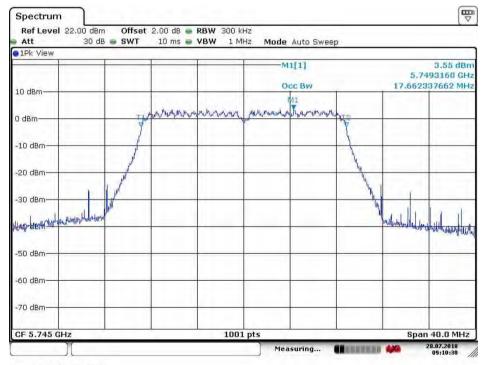
Report No.: SZEM180700654903

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5.5.1.4.7 11AC20_149 ANT 2



Date: 28.JUL.2018 07:56:29



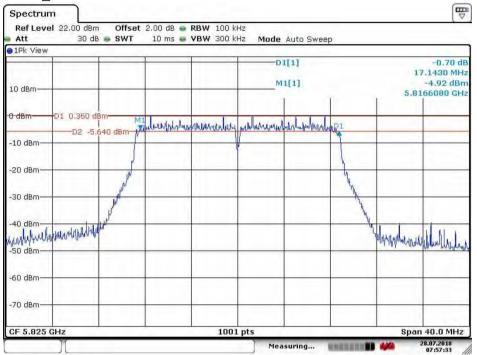
Date: 28.JUL.2018 09:10:30



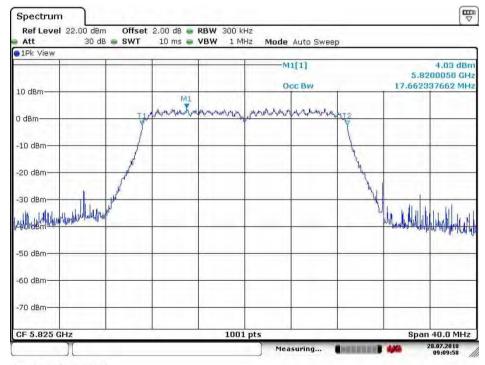
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5.5.1.4.8 11AC20_165 ANT 2



Date: 28.JUL.2018 07:57:33



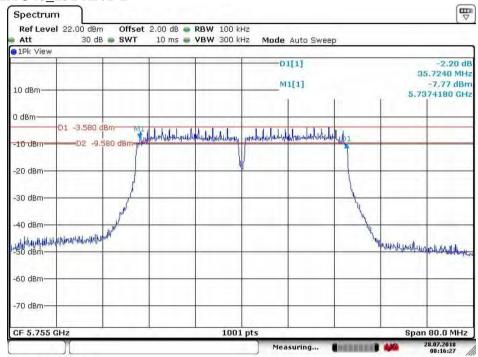
Date: 28.JUL.2018 09:09:59



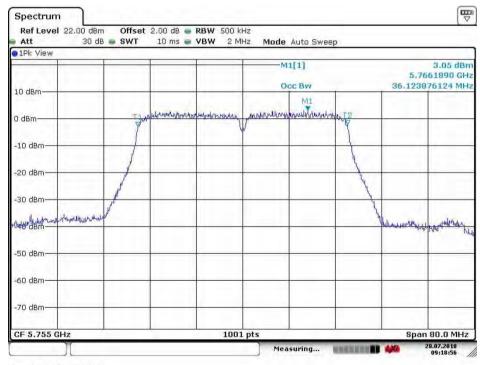
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5.5.1.4.9 11AC40_151 ANT 2



Date: 28.JUL,2018 08:16:27



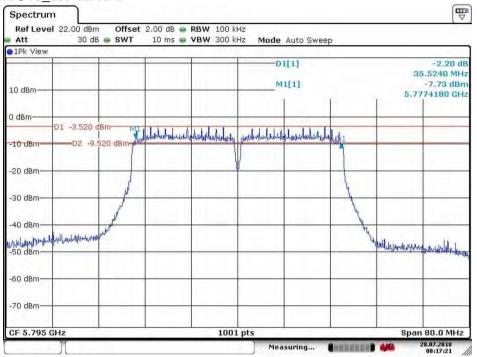
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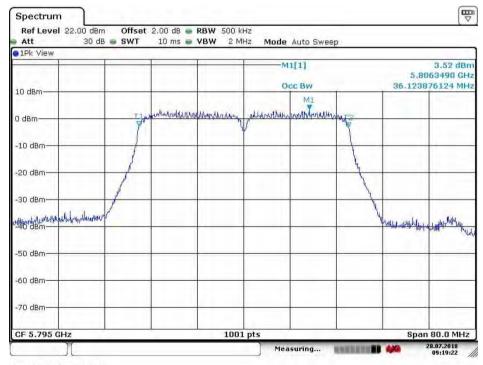
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5.5.1.4.10 11AC40 159 ANT 2



Date: 28.JUL.2018 08:17:22



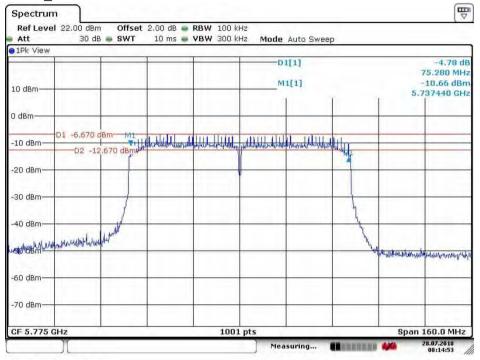
Date: 28.JUL.2018 09:19:22



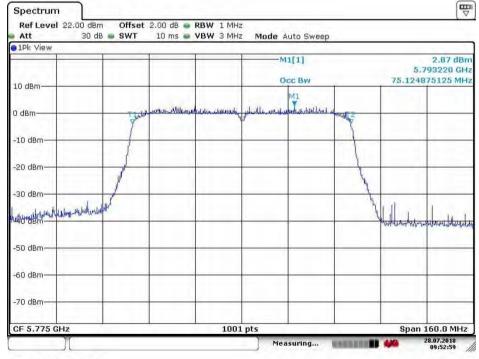
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5.5.1.4.11 11AC80_155 ANT 2



Date: 28.JUL.2018 08:14:53



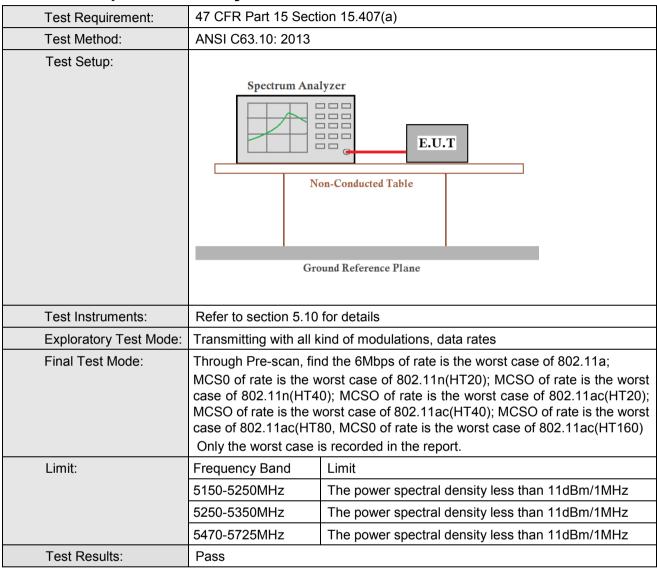
Date: 28.JUL.2018 09:53:00



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5.6 Power Spectral Density



Measurement Data:



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SISO_ANT1					
Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.) [dBm/MHz]	Verdict	
	36	5180	7.81	PASS	
	40	5200	7.43	PASS	
	48	5240	7.05	PASS	
	52	5260	6.77	PASS	
	56	5280	6.85	PASS	
11A20_SISO	64	5320	7.42	PASS	
11A20_3I30	100	5500	1.46	PASS	
	120	5600	7.85	PASS	
	140	5700	1.57	PASS	
	149	5745	0.51	PASS	
	157	5785	0.44	PASS	
	165	5825	1.13	PASS	
	36	5180	7.33	PASS	
	40	5200	7.16	PASS	
	48	5240	6.73	PASS	
	52	5260	6.58	PASS	
	56	5280	6.77	PASS	
11N20_SISO	64	5320	6.87	PASS	
111120_5150	100	5500	0.80	PASS	
	120	5600	7.77	PASS	
	140	5700	1.42	PASS	
	149	5745	0.10	PASS	
	157	5785	0.53	PASS	
	165	5825	0.89	PASS	
	38	5190	3.42	PASS	
11N40_SISO	46	5230	2.86	PASS	
	54	5270	2.56	PASS	
	62	5310	2.75	PASS	
	102	5510	-3.94	PASS	
	142	5710	2.52	PASS	
	134	5670	2.45	PASS	



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[151	5755	-3.44	PASS
	159	5795	-3.24	PASS
	36	5180	7.28	PASS
	40	5200	7.34	PASS
	48	5240	6.88	PASS
	52	5260	6.74	PASS
	56	5280	6.60	PASS
111000 0100	64	5320	7.10	PASS
11AC20_SISO	100	5500	0.93	PASS
	120	5600	7.69	PASS
	140	5700	1.43	PASS
	149	5745	0.56	PASS
	157	5785	0.49	PASS
	165	5825	0.91	PASS
	38	5190	3.19	PASS
	46	5230	2.69	PASS
	54	5270	2.41	PASS
	62	5310	2.99	PASS
11AC40_SISO	102	5510	-3.79	PASS
	142	5710	3.92	PASS
	134	5670	2.70	PASS
	151	5755	-3.39	PASS
	159	5795	-2.87	PASS
11AC80_SISO	42	5210	0.01	PASS
	58	5290	-7.18	PASS
	106	5530	-6.95	PASS
	138	5690	-1.38	PASS
	155	5775	-13.22	PASS



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SISO_ANT2				
Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.) [dBm/MHz]	Verdict
	36	5180	6.10	PASS
	40	5200	5.92	PASS
	48	5240	5.97	PASS
	52	5260	6.15	PASS
	56	5280	6.70	PASS
11A20_SISO	64	5320	6.24	PASS
11A20_5150	100	5500	1.65	PASS
	120	5600	6.87	PASS
	140	5700	1.28	PASS
	149	5745	0.41	PASS
	157	5785	0.48	PASS
	165	5825	0.52	PASS
	36	5180	5.87	PASS
	40	5200	5.95	PASS
	48	5240	5.76	PASS
	52	5260	6.49	PASS
	56	5280	6.18	PASS
11N20_SISO	64	5320	5.74	PASS
111120_3130	100	5500	1.06	PASS
	120	5600	6.27	PASS
	140	5700	1.20	PASS
	149	5745	0.26	PASS
	157	5785	0.44	PASS
	165	5825	0.17	PASS
	38	5190	1.04	PASS
	46	5230	1.24	PASS
110/40 8/80	54	5270	1.74	PASS
11N40_SISO	62	5310	1.57	PASS
	102	5510	-3.86	PASS
	142	5710	2.09	PASS



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ı				
	134	5670	2.15	PASS
	151	5755	-3.56	PASS
	159	5795	-3.64	PASS
	36	5180	5.77	PASS
	40	5200	5.68	PASS
	48	5240	5.81	PASS
	52	5260	6.10	PASS
	56	5280	6.96	PASS
11AC20_SISO	64	5320	6.01	PASS
11A020_3130	100	5500	1.25	PASS
	120	5600	6.78	PASS
	140	5700	1.43	PASS
	149	5745	0.59	PASS
	157	5785	0.56	PASS
	165	5825	0.24	PASS
	38	5190	0.85	PASS
	46	5230	0.74	PASS
	54	5270	1.19	PASS
	62	5310	1.08	PASS
11AC40_SISO	102	5510	-3.79	PASS
	142	5710	2.31	PASS
	134	5670	1.92	PASS
	151	5755	-3.27	PASS
	159	5795	-3.98	PASS
	42	5210	-7.82	PASS
	58	5290	-7.21	PASS
11AC80_SISO	106	5530	-6.45	PASS
	138	5690	-1.12	PASS
	155	5775	-7.14	PASS



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MIMO_ANT1	MIMO_ANT1					
Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.) [dBm/MHz]	Verdict		
	36	5180	1.72	PASS		
	48	5240	7.13	PASS		
	52	5260	6.97	PASS		
11A20_CDD	64	5320	1.37	PASS		
11A20_CDD	100	5500	1.59	PASS		
	140	5700	1.81	PASS		
	149	5745	1.01	PASS		
	165	5825	1.68	PASS		
	36	5180	1.02	PASS		
	48	5240	6.56	PASS		
	52	5260	6.41	PASS		
11N20_MIMO	64	5320	0.29	PASS		
TTNZO_IVIIIVIO	100	5500	0.49	PASS		
	140	5700	1.51	PASS		
	149	5745	0.44	PASS		
	165	5825	1.65	PASS		
	38	5190	-3.54	PASS		
	46	5230	3.02	PASS		
	54	5270	2.13	PASS		
111140 MIMO	62	5310	-3.93	PASS		
11N40_MIMO	102	5510	-3.71	PASS		
	134	5670	2.84	PASS		
	151	5755	-3.26	PASS		
	159	5795	-2.67	PASS		
	36	5180	1.04	PASS		
11AC20_MIMO	48	5240	6.97	PASS		
	52	5260	6.68	PASS		
	64	5320	0.55	PASS		
	100	5500	1.08	PASS		
	140	5700	1.31	PASS		
	149	5745	0.55	PASS		

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	157	5795	-2.70	PASS
	165	5825	1.68	PASS
	38	5190	-3.52	PASS
	46	5230	2.55	PASS
	54	5270	2.94	PASS
11AC40_MIMO	62	5310	-3.70	PASS
	102	5510	-3.68	PASS
	134	5670	2.79	PASS
	151	5755	-3.74	PASS
	159	5795	-3.35	PASS
	42	5210	-6.59	PASS
11AC80_MIMO	58	5290	-6.79	PASS
	106	5530	-6.62	PASS
	138	5690	-1.42	PASS
	155	5775	-6.89	PASS



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MIMO_ANT2				
Test Mode	Test Channel	Frequency [MHz]	Meas. Level (Cond.) [dBm/MHz]	Verdict
	36	5180	1.17	PASS
	48	5240	6.66	PASS
	52	5260	7.48	PASS
11A20 CDD	64	5320	1.11	PASS
TTAZU_CDD	100	5500	1.48	PASS
	140	5700	1.26	PASS
	149	5745	0.90	PASS
	165	5825	1.09	PASS
	36	5180	1.08	PASS
	48	5240	7.03	PASS
	52	5260	7.42	PASS
111120 111110	64	5320	1.53	PASS
11N20_MIMO	100	5500	2.03	PASS
	140	5700	2.12	PASS
	149	5745	1.26	PASS
	165	5825	1.28	PASS
	38	5190	-3.39	PASS
	46	5230	3.44	PASS
	54	5270	2.37	PASS
111140 141140	62	5310	-4.09	PASS
11N40_MIMO	102	5510	-2.97	PASS
	134	5670	3.40	PASS
	151	5755	-2.96	PASS
	159	5795	-2.49	PASS
11AC20_MIMO	36	5180	0.45	PASS
	48	5240	6.72	PASS
	52	5260	6.89	PASS
	64	5320	0.84	PASS
	100	5500	1.39	PASS
	140	5700	0.97	PASS
	149	5745	0.71	PASS

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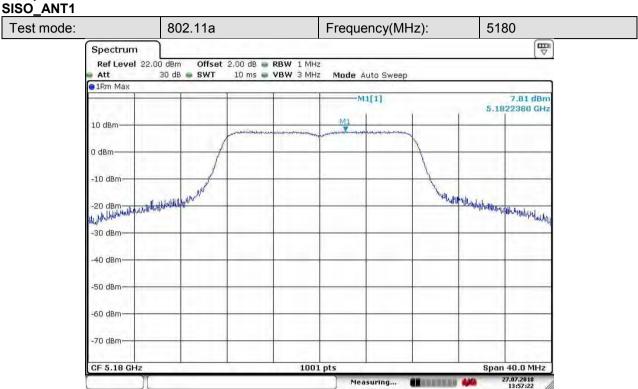
	165	5825	1.18	PASS
	38	5190	-4.01	PASS
	46	5230	2.71	PASS
	54	5270	1.76	PASS
11AC40 MIMO	62	5310	-5.10	PASS
	102	5510	-4.55	PASS
	134	5670	3.17	PASS
	151	5755	-2.93	PASS
	159	5795	-2.68	PASS
11AC80_MIMO	42	5210	-8.16	PASS
	58	5290	-7.62	PASS
	106	5530	-7.45	PASS
	138	5690	-0.60	PASS
	155	5775	-6.39	PASS



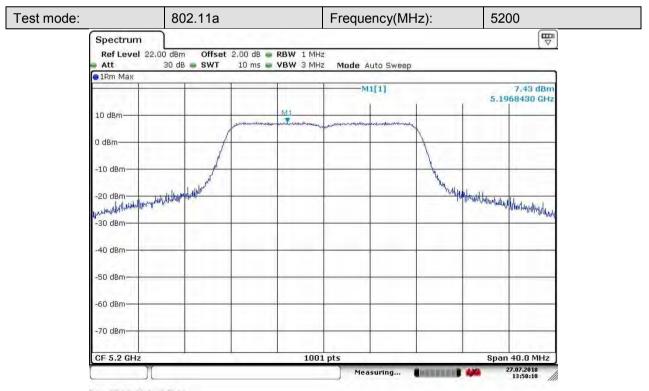
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Test plot as follows:



Date: 27.JUL.2018 13:57:22

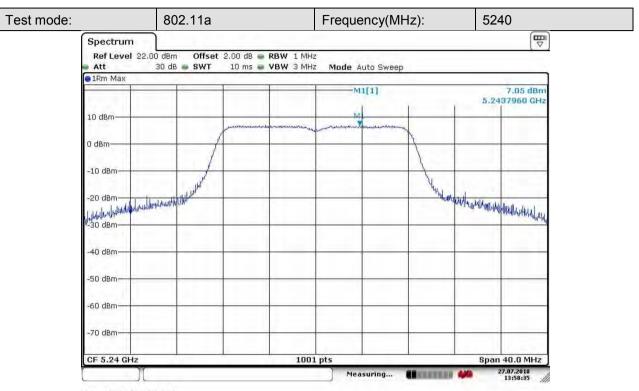


Date: 27.JUL.2018 13:58:11

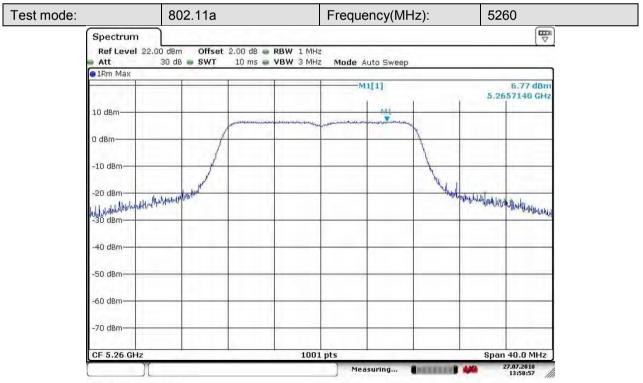


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Date: 27.JUL.2018 13:58:35



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