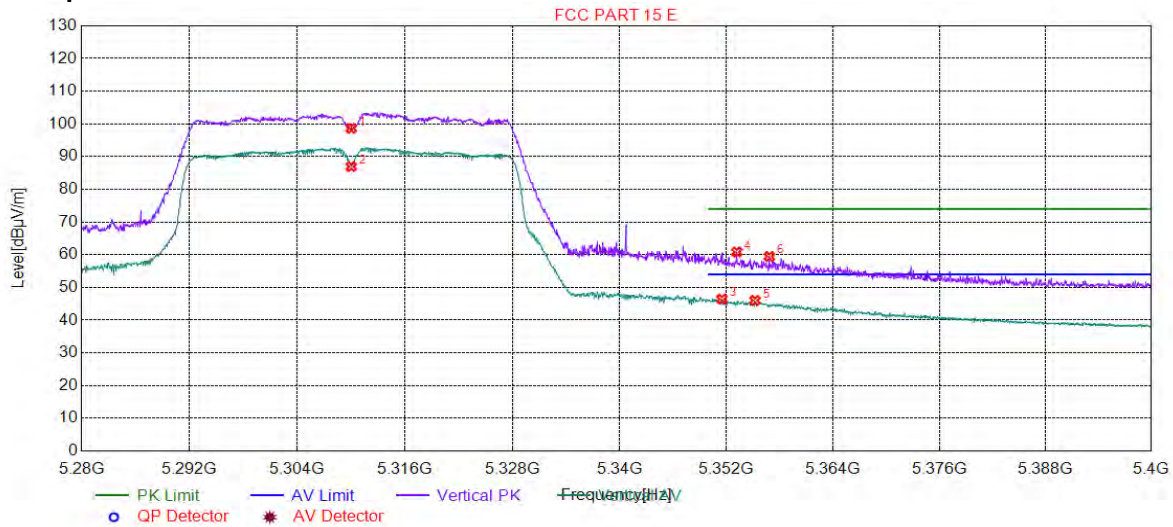


### 4.10.1.39 802.11N40\_Channel 62

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.000	98.66	0.00	-98.66	202	208	Vertical
2	5310.000	86.99	0.00	-86.99	297	204	Vertical
3	5351.495	46.44	54.00	7.56	268	213	Vertical
4	5353.176	60.85	74.00	13.15	257	213	Vertical
5	5355.217	46.02	54.00	7.98	250	204	Vertical
6	5356.838	59.48	74.00	14.52	289	213	Vertical

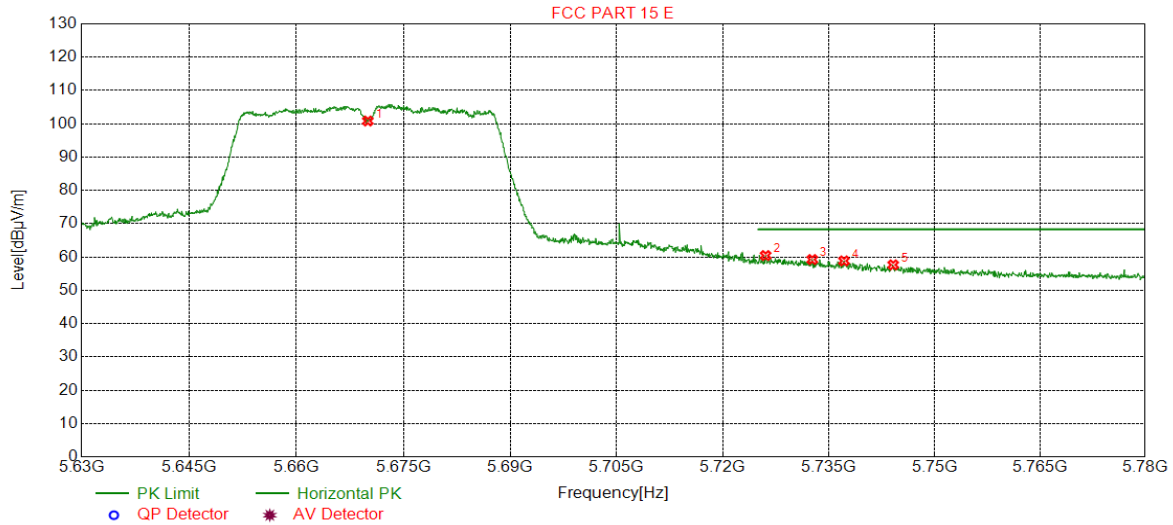
#### Final Data List



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**4.10.1.40 802.11N40\_Channel 134**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.000	100.83	0.00	-100.83	187	352	Horizontal
2	5726.048	60.45	68.30	7.85	137	66	Horizontal
3	5732.651	59.26	68.30	9.04	122	356	Horizontal
4	5737.153	58.84	68.30	9.46	240	40	Horizontal
5	5744.132	57.66	68.30	10.64	230	356	Horizontal

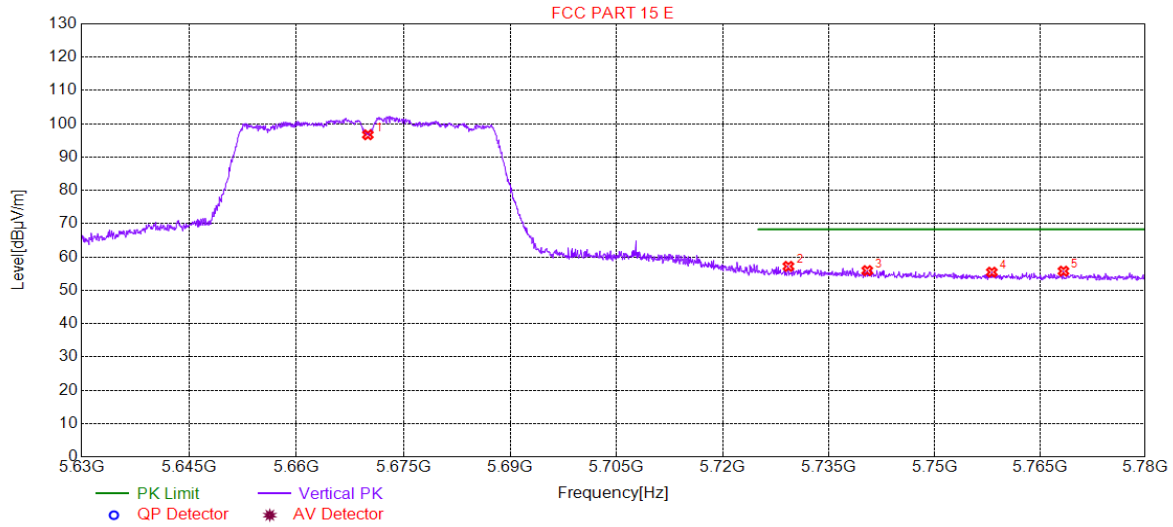
**Final Data List**



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### 4.10.1.41 802.11N40\_Channel 134

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.000	96.69	0.00	-96.69	252	40	Vertical
2	5729.274	57.21	68.30	11.09	297	40	Vertical
3	5740.455	55.93	68.30	12.37	225	40	Vertical
4	5758.164	55.46	68.30	12.84	294	241	Vertical
5	5768.369	55.78	68.30	12.52	190	181	Vertical

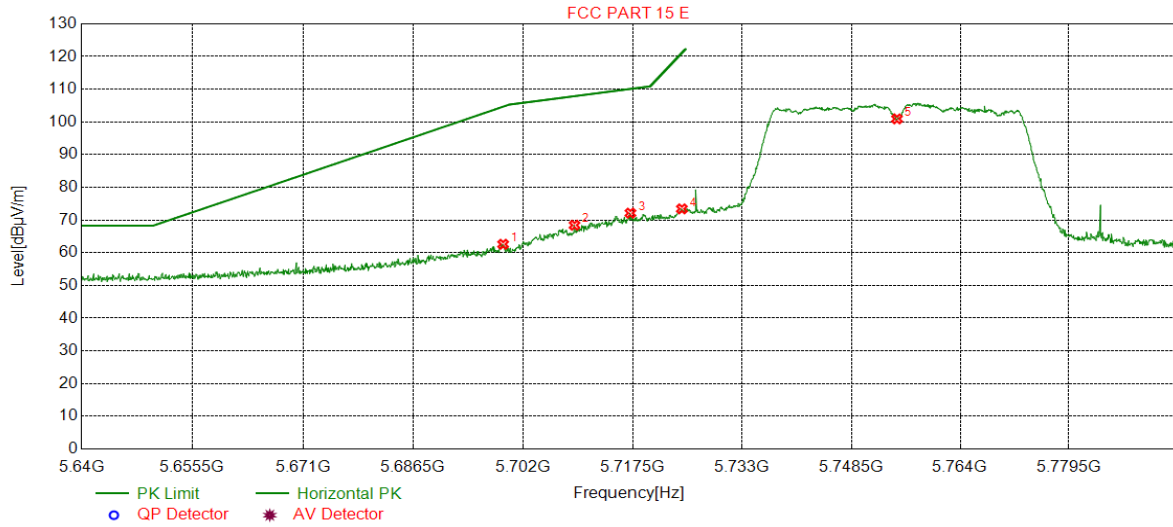
#### Final Data List



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**4.10.1.42 802.11N40\_Channel 151**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5699.162	62.61	104.68	42.07	121	59	Horizontal
2	5709.242	68.44	107.89	39.45	133	16	Horizontal
3	5717.151	72.13	110.10	37.97	121	354	Horizontal
4	5724.439	73.43	121.02	47.59	203	16	Horizontal
5	5755.000	100.94	0.00	-100.94	195	67	Horizontal

**Final Data List**

*(This section is intentionally blank in the provided image)*



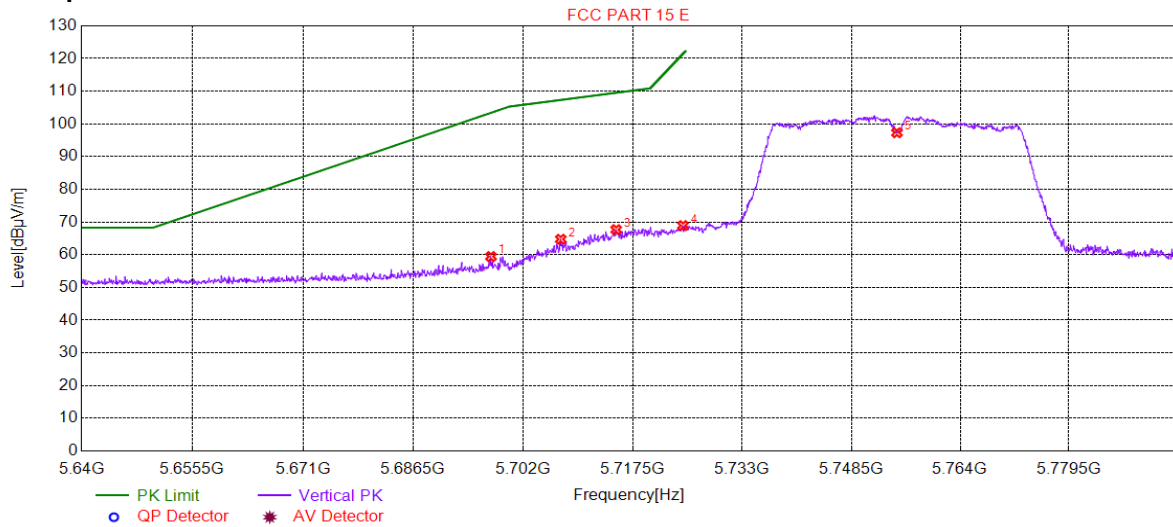
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**4.10.1.43 802.11N40\_Channel 151**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5697.456	59.46	103.42	43.96	294	46	Vertical
2	5707.303	64.76	107.35	42.59	209	39	Vertical
3	5715.135	67.69	109.54	41.85	289	39	Vertical
4	5724.594	68.92	121.38	52.46	184	39	Vertical
5	5755.000	97.32	0.00	-97.32	251	39	Vertical

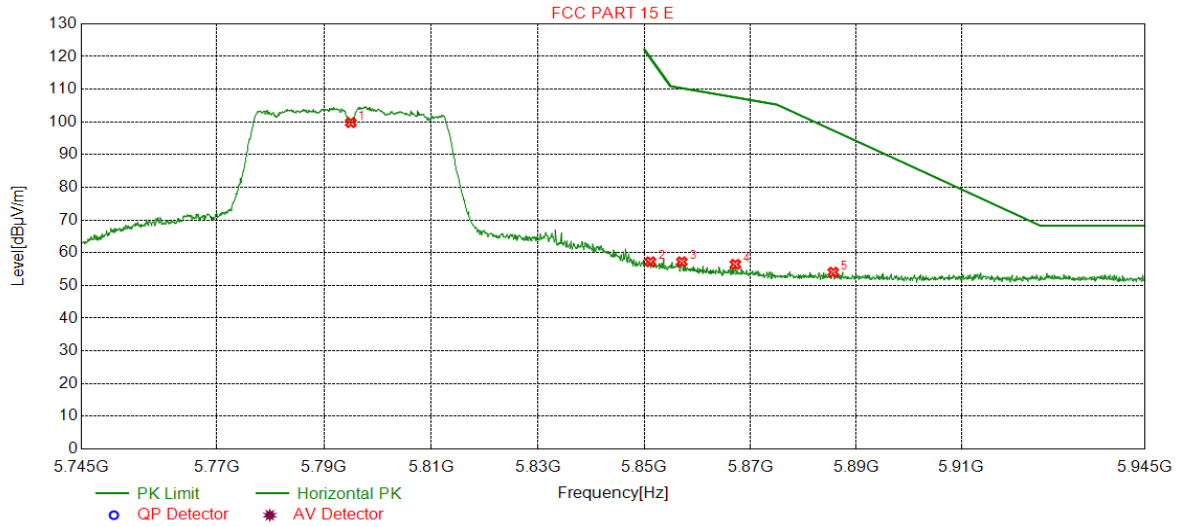
**Final Data List**



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### 4.10.1.44 802.11N40\_Channel 159

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.000	99.81	0.00	-99.81	121	358	Horizontal
2	5851.153	57.25	119.67	62.42	179	243	Horizontal
3	5857.056	57.25	110.32	53.07	219	225	Horizontal
4	5867.161	56.47	107.49	51.02	111	265	Horizontal
5	5885.670	54.08	97.40	43.32	189	225	Horizontal

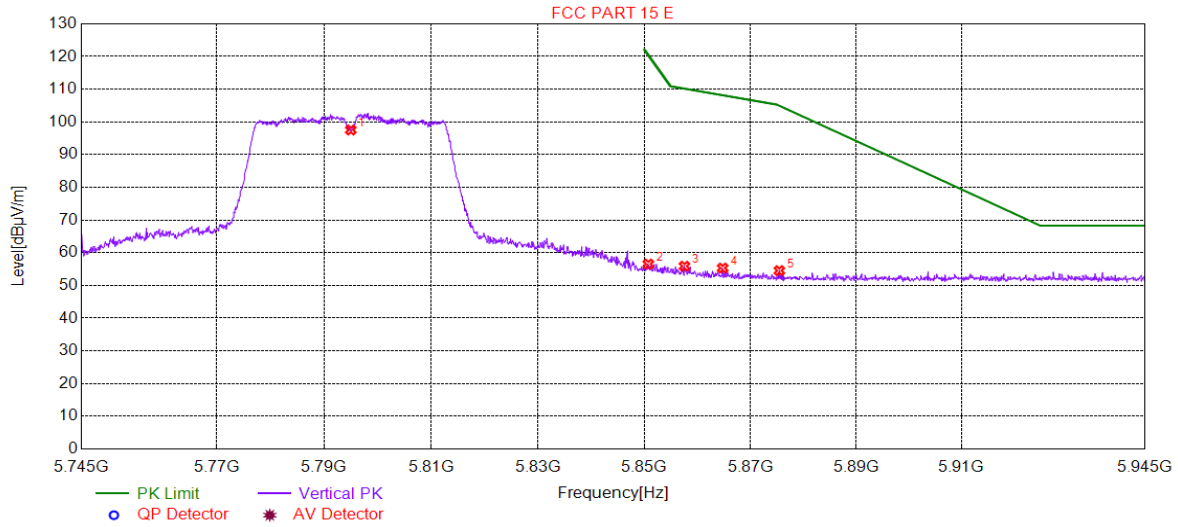
#### Final Data List



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### 4.10.1.45 802.11N40\_Channel 159

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.000	97.54	0.00	-97.54	233	44	Vertical
2	5850.752	56.56	120.58	64.02	162	47	Vertical
3	5857.556	55.90	110.18	54.28	235	44	Vertical
4	5864.759	55.32	108.17	52.85	173	44	Vertical
5	5875.465	54.54	104.96	50.42	282	108	Vertical

#### Final Data List

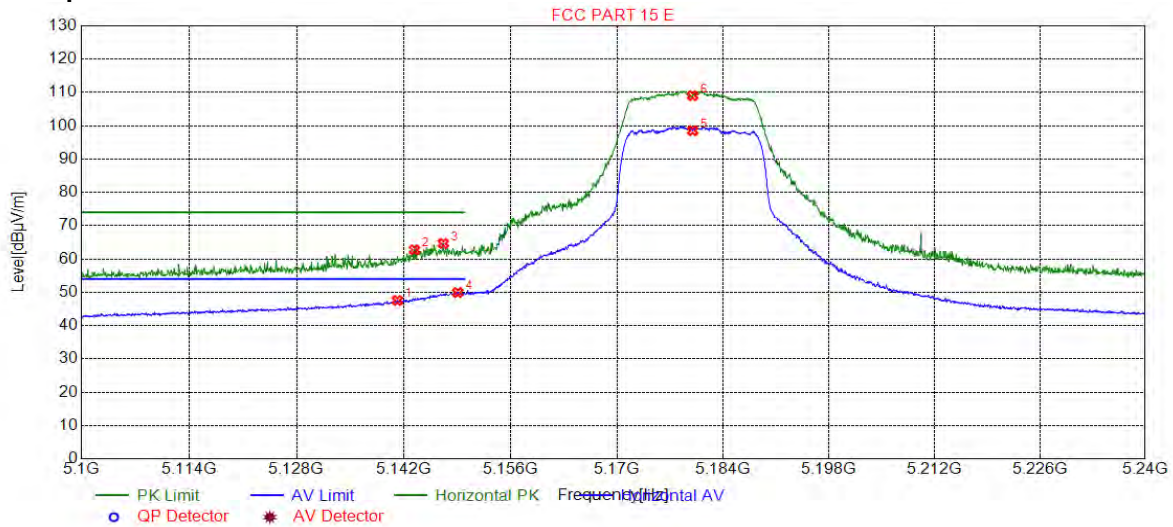


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### 4.10.1.46 802.11AC20\_Channel 36

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.180	47.55	54.00	6.45	172	235	Horizontal
2	5143.421	62.79	74.00	11.21	150	239	Horizontal
3	5147.203	64.71	74.00	9.29	220	239	Horizontal
4	5149.094	49.95	54.00	4.05	143	235	Horizontal
5	5180.000	98.54	0.00	-98.54	176	232	Horizontal
6	5180.000	109.05	0.00	-109.05	121	232	Horizontal

#### Final Data List



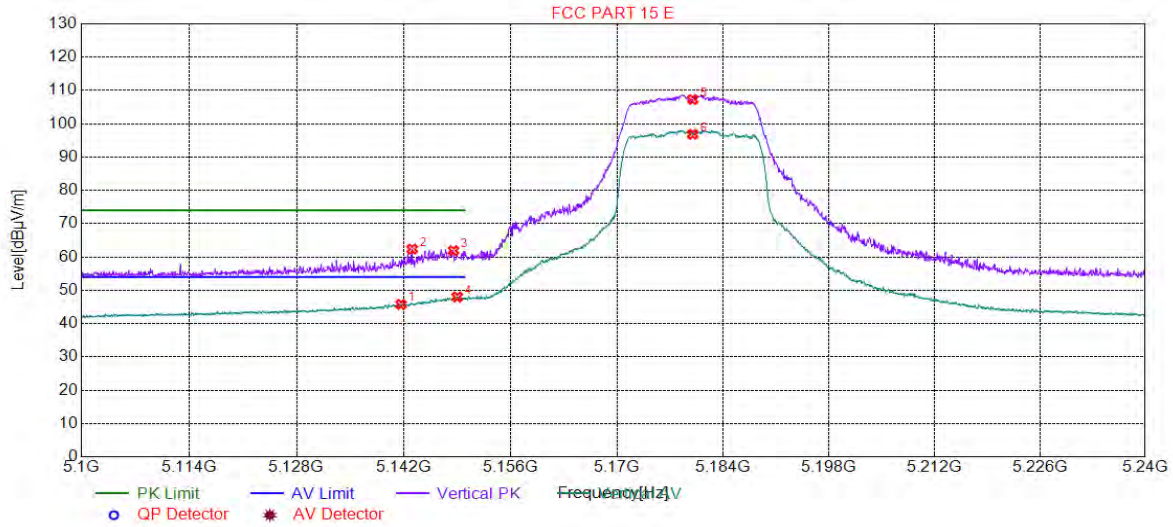
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### 4.10.1.47 802.11AC20\_Channel 36

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5141.670	45.78	54.00	8.22	200	203	Vertical
2	5143.141	62.39	74.00	11.61	257	203	Vertical
3	5148.534	61.90	74.00	12.10	202	215	Vertical
4	5149.024	48.02	54.00	5.98	192	207	Vertical
5	5180.000	107.29	0.00	-107.29	157	211	Vertical
6	5180.000	96.85	0.00	-96.85	202	207	Vertical

#### Final Data List

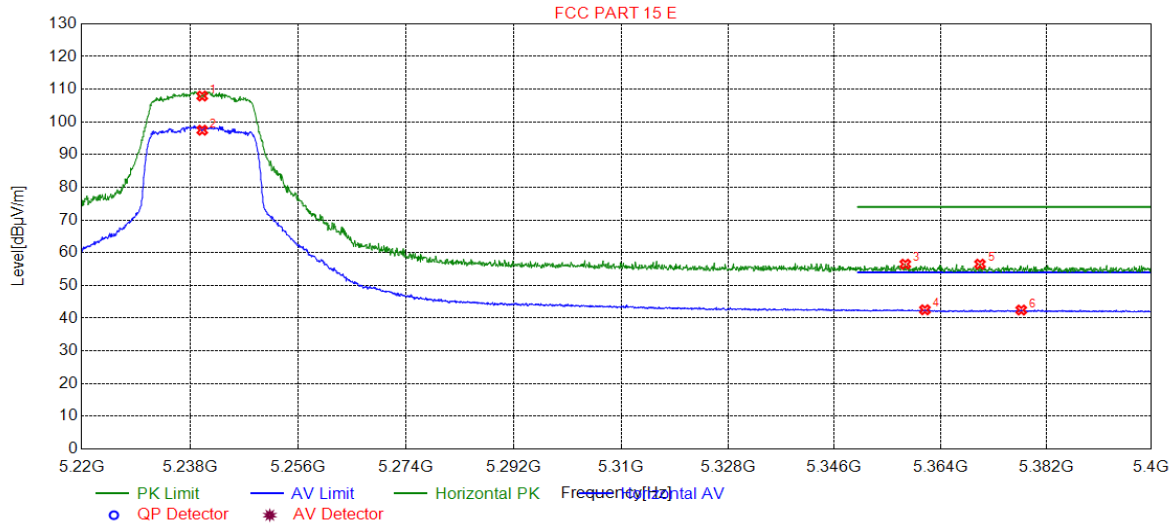


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### 4.10.1.48 802.11AC20\_Channel 48

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.000	107.93	0.00	-107.93	215	226	Horizontal
2	5240.000	97.48	0.00	-97.48	226	230	Horizontal
3	5358.039	56.53	74.00	17.47	146	40	Horizontal
4	5361.370	42.57	54.00	11.43	167	291	Horizontal
5	5370.735	56.53	74.00	17.47	191	352	Horizontal
6	5377.758	42.49	54.00	11.51	185	333	Horizontal

#### Final Data List

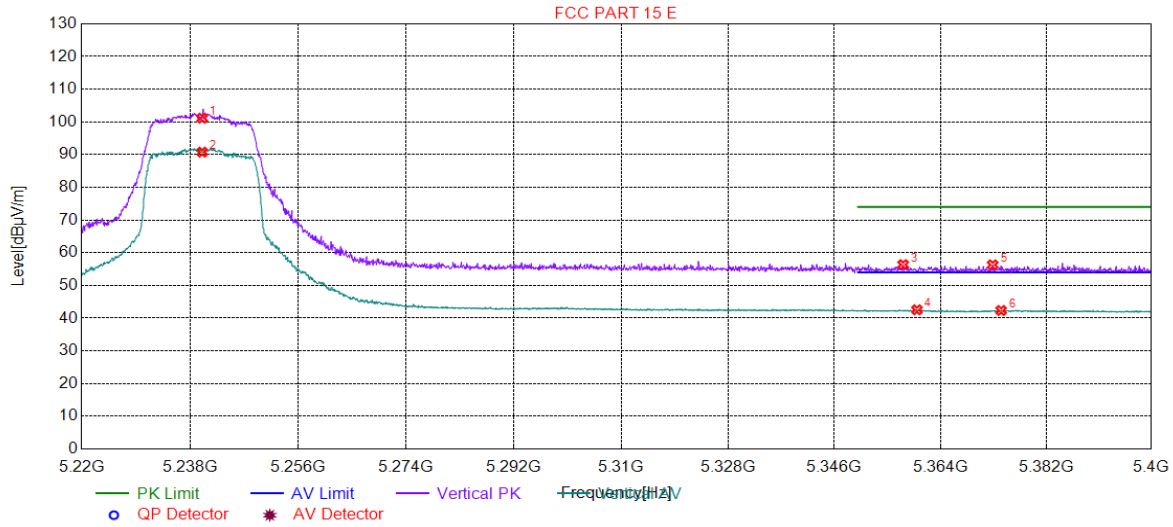


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### 4.10.1.49 802.11AC20\_Channel 48

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.000	101.15	0.00	-101.15	248	92	Vertical
2	5240.000	90.77	0.00	-90.77	259	92	Vertical
3	5357.678	56.37	74.00	17.63	175	281	Vertical
4	5360.020	42.56	54.00	11.44	243	300	Vertical
5	5372.896	56.30	74.00	17.70	221	281	Vertical
6	5374.337	42.35	54.00	11.65	231	173	Vertical

#### Final Data List

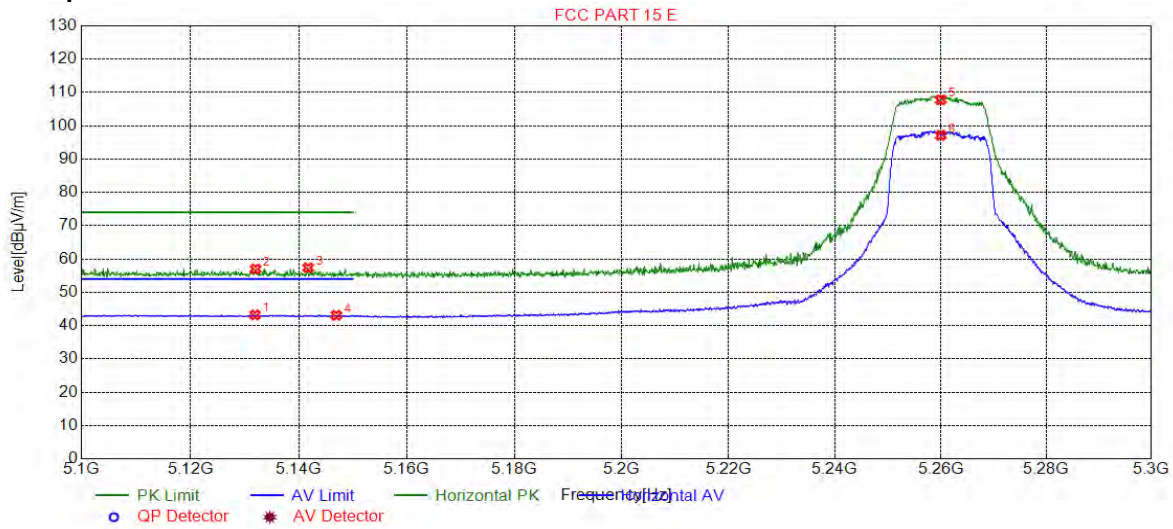
Final Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5240.000	101.15	0.00	-101.15	248	92	Vertical
2	5240.000	90.77	0.00	-90.77	259	92	Vertical
3	5357.678	56.37	74.00	17.63	175	281	Vertical
4	5360.020	42.56	54.00	11.44	243	300	Vertical
5	5372.896	56.30	74.00	17.70	221	281	Vertical
6	5374.337	42.35	54.00	11.65	231	173	Vertical



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**4.10.1.50 802.11AC20\_Channel 52**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.916	43.23	54.00	10.77	121	274	Horizontal
2	5132.016	57.02	74.00	16.98	209	154	Horizontal
3	5141.720	57.38	74.00	16.62	174	283	Horizontal
4	5146.923	43.12	54.00	10.88	167	317	Horizontal
5	5260.000	107.77	0.00	-107.77	161	226	Horizontal
6	5260.000	97.14	0.00	-97.14	110	230	Horizontal

**Final Data List**

Final Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5131.916	43.23	54.00	10.77	121	274	Horizontal
2	5132.016	57.02	74.00	16.98	209	154	Horizontal
3	5141.720	57.38	74.00	16.62	174	283	Horizontal
4	5146.923	43.12	54.00	10.88	167	317	Horizontal
5	5260.000	107.77	0.00	-107.77	161	226	Horizontal
6	5260.000	97.14	0.00	-97.14	110	230	Horizontal

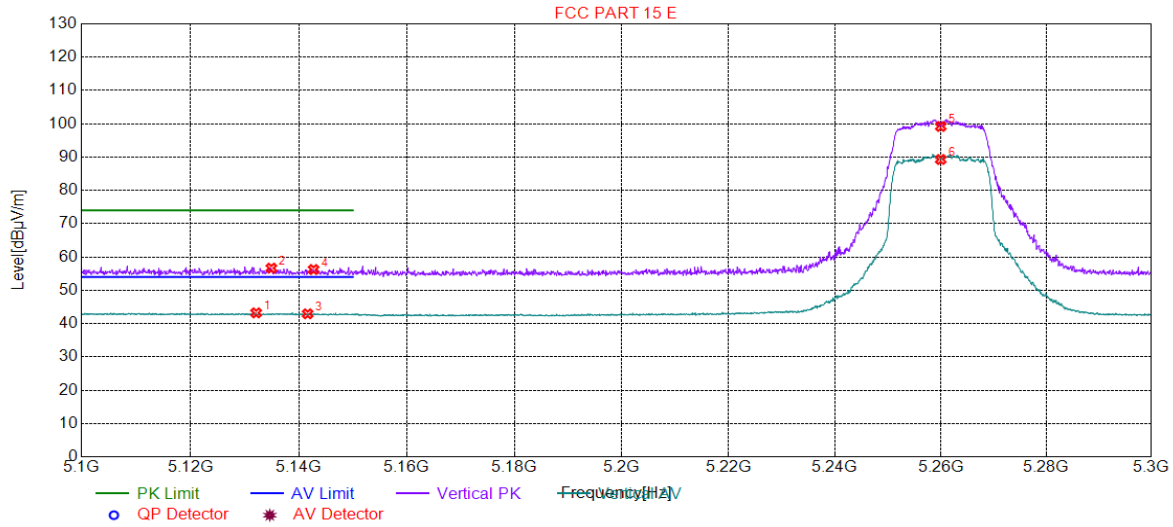


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### 4.10.1.51 802.11AC20\_Channel 52

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5132.116	43.25	54.00	10.75	263	254	Vertical
2	5134.917	56.67	74.00	17.33	173	245	Vertical
3	5141.620	42.97	54.00	11.03	275	273	Vertical
4	5142.721	56.26	74.00	17.74	171	235	Vertical
5	5260.000	99.20	0.00	-99.20	198	2	Vertical
6	5260.000	89.29	0.00	-89.29	290	9	Vertical

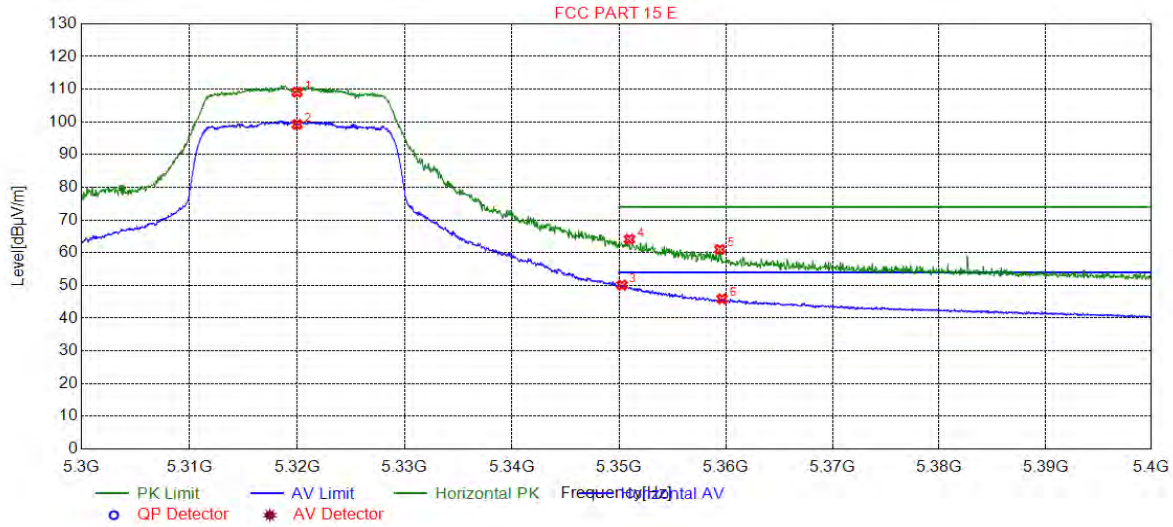
#### Final Data List



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### 4.10.1.52 802.11AC20\_Channel 64

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.000	109.10	0.00	-109.10	100	227	Horizontal
2	5320.000	99.21	0.00	-99.21	106	232	Horizontal
3	5350.275	50.13	54.00	3.87	242	227	Horizontal
4	5350.975	64.15	74.00	9.85	186	232	Horizontal
5	5359.429	61.01	74.00	12.99	135	236	Horizontal
6	5359.629	45.91	54.00	8.09	123	227	Horizontal

#### Final Data List

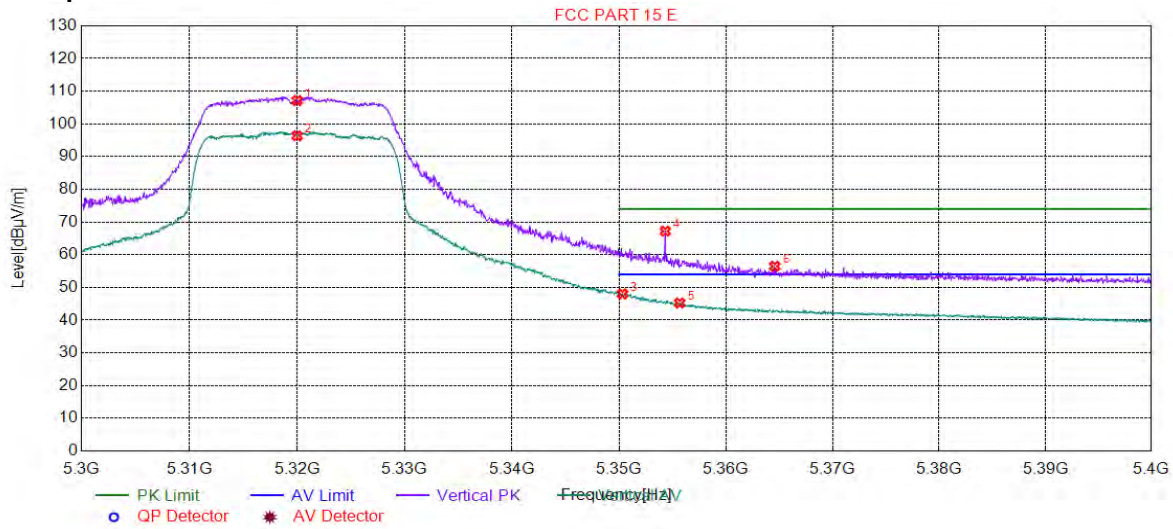
Final Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.000	109.10	0.00	-109.10	100	227	Horizontal
2	5320.000	99.21	0.00	-99.21	106	232	Horizontal
3	5350.275	50.13	54.00	3.87	242	227	Horizontal
4	5350.975	64.15	74.00	9.85	186	232	Horizontal
5	5359.429	61.01	74.00	12.99	135	236	Horizontal
6	5359.629	45.91	54.00	8.09	123	227	Horizontal



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### 4.10.1.53 802.11AC20\_Channel 64

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5320.000	107.15	0.00	-107.15	187	207	Vertical
2	5320.000	96.37	0.00	-96.37	290	212	Vertical
3	5350.325	48.02	54.00	5.98	172	212	Vertical
4	5354.327	67.21	74.00	6.79	230	342	Vertical
5	5355.677	45.27	54.00	8.73	232	207	Vertical
6	5364.582	56.49	74.00	17.51	150	212	Vertical

#### Final Data List

Final Data List							
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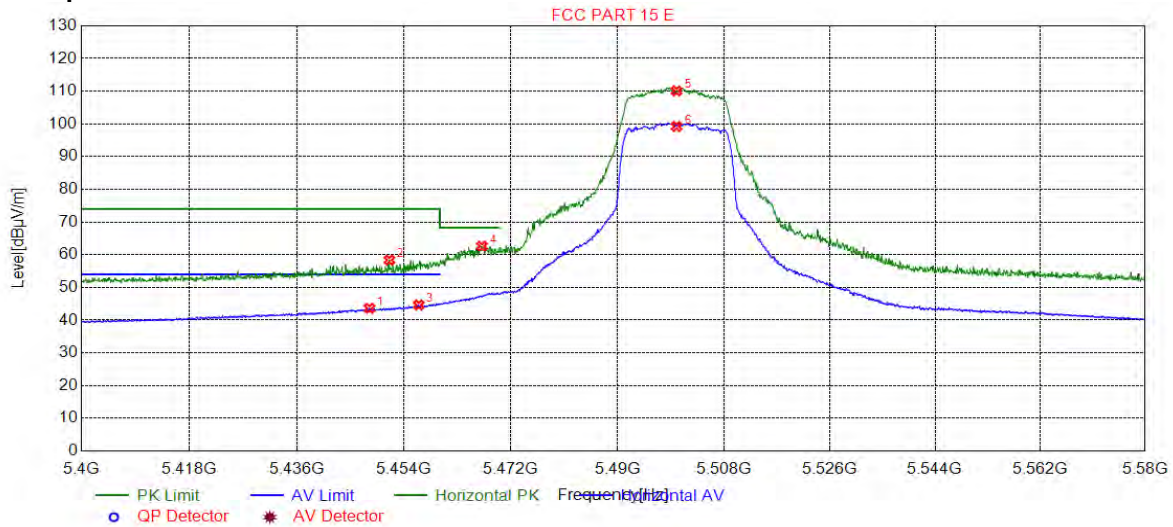


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### 4.10.1.54 802.11AC20\_Channel 100

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.174	43.64	54.00	10.36	215	227	Horizontal
2	5451.505	58.39	74.00	15.61	193	227	Horizontal
3	5456.458	44.66	54.00	9.34	233	231	Horizontal
4	5467.083	62.61	68.30	5.69	225	235	Horizontal
5	5500.000	110.11	0.00	-110.11	212	231	Horizontal
6	5500.000	99.24	0.00	-99.24	143	227	Horizontal

#### Final Data List

(This section is currently blank in the provided image.)

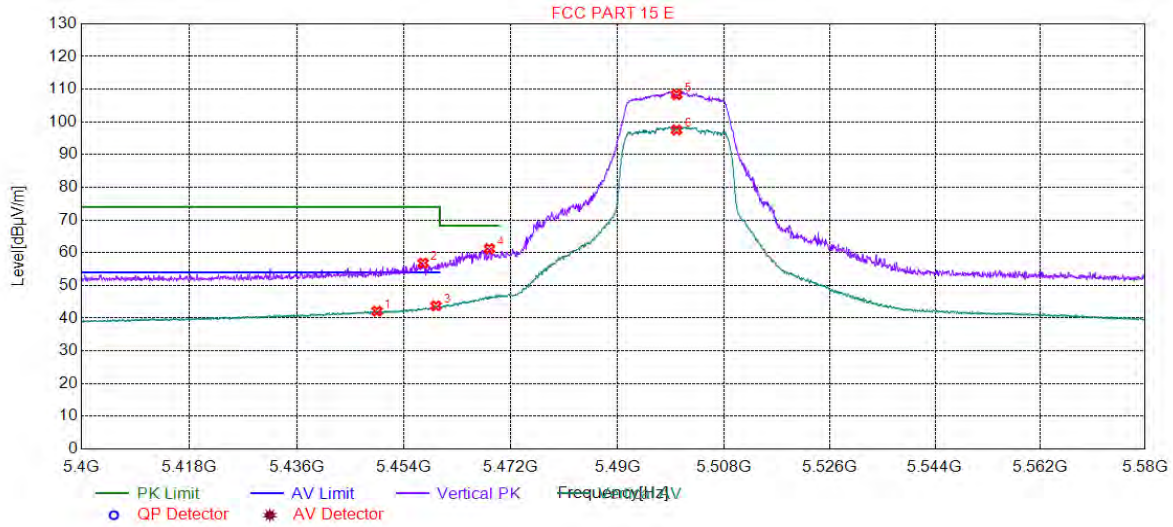


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### 4.10.1.55 802.11AC20\_Channel 100

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.434	42.14	54.00	11.86	190	209	Vertical
2	5457.178	56.86	74.00	17.14	287	213	Vertical
3	5459.339	43.78	54.00	10.22	293	205	Vertical
4	5468.344	61.24	68.30	7.06	163	205	Vertical
5	5500.000	108.37	0.00	-108.37	232	205	Vertical
6	5500.000	97.54	0.00	-97.54	234	209	Vertical

#### Final Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.434	42.14	54.00	11.86	190	209	Vertical
2	5457.178	56.86	74.00	17.14	287	213	Vertical
3	5459.339	43.78	54.00	10.22	293	205	Vertical
4	5468.344	61.24	68.30	7.06	163	205	Vertical
5	5500.000	108.37	0.00	-108.37	232	205	Vertical
6	5500.000	97.54	0.00	-97.54	234	209	Vertical



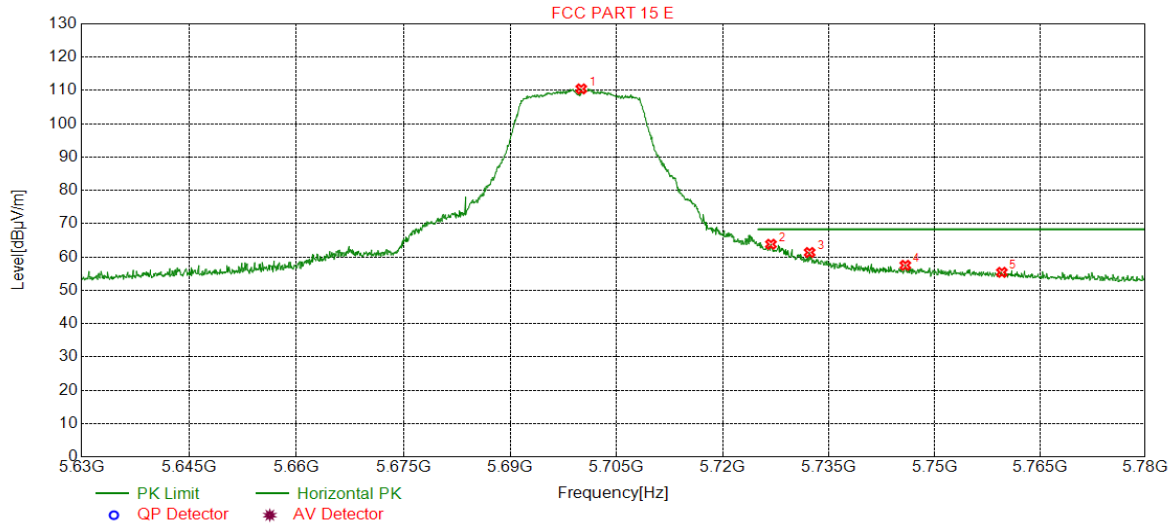
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4.10.1.56 802.11AC20\_Channel 140

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.000	110.47	0.00	-110.47	132	44	Horizontal
2	5726.798	63.85	68.30	4.45	185	346	Horizontal
3	5732.276	61.38	68.30	6.92	160	44	Horizontal
4	5745.857	57.52	68.30	10.78	106	44	Horizontal
5	5759.589	55.41	68.30	12.89	133	67	Horizontal

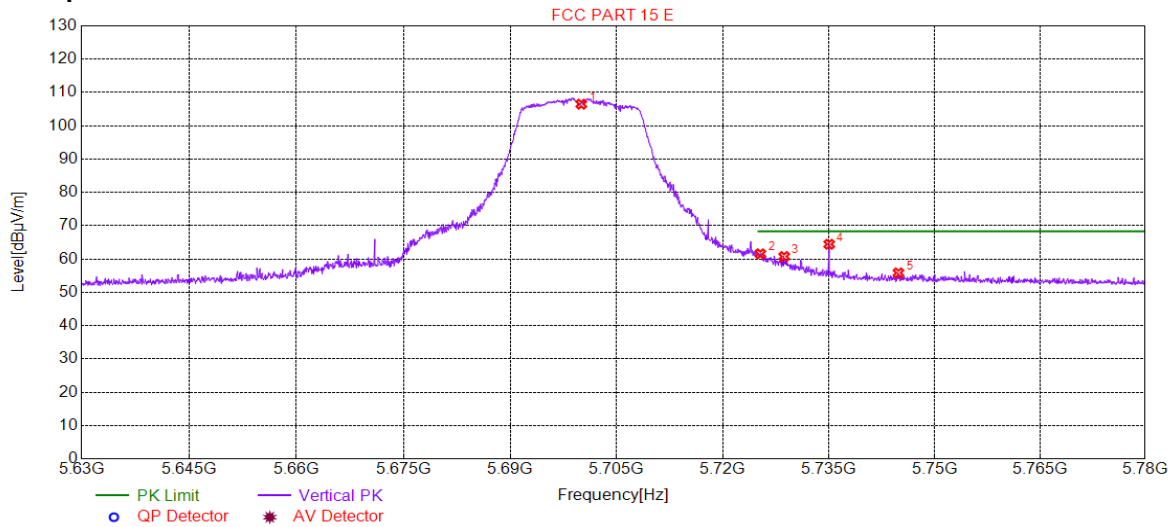
Final Data List



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### 4.10.1.57 802.11AC20\_Channel 140

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5700.000	106.49	0.00	-106.49	181	210	Vertical
2	5725.297	61.58	68.30	6.72	270	210	Vertical
3	5728.674	60.77	68.30	7.53	155	210	Vertical
4	5735.052	64.44	68.30	3.86	249	279	Vertical
5	5744.882	55.85	68.30	12.45	232	203	Vertical

#### Final Data List

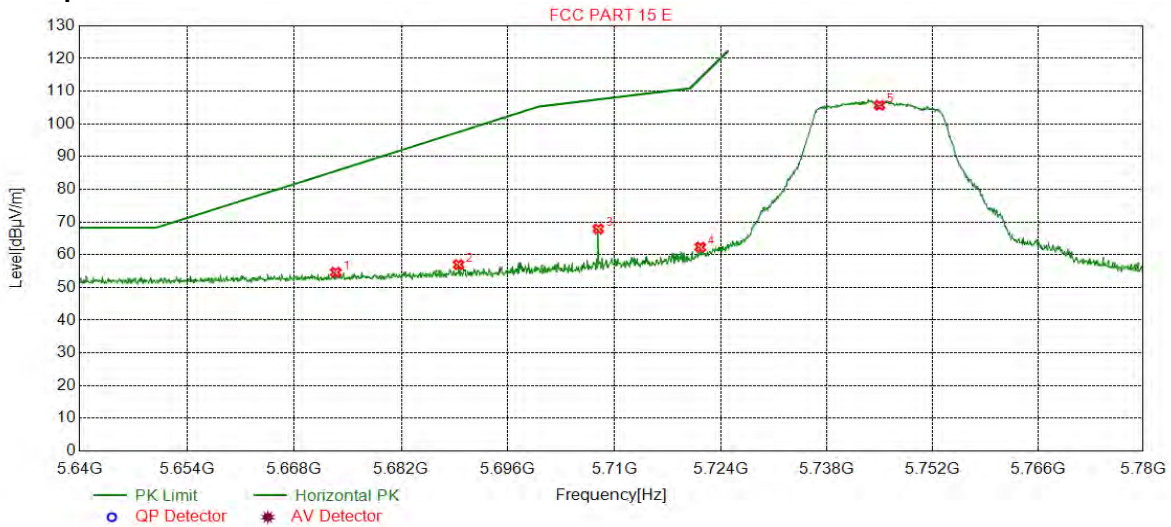


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4.10.1.58

02.11AC20\_Channel 149

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5673.406	54.65	85.62	30.97	242	336	Horizontal
2	5689.514	57.01	97.54	40.53	166	19	Horizontal
3	5707.863	67.92	107.50	39.58	220	218	Horizontal
4	5721.310	62.33	113.89	51.56	185	354	Horizontal
5	5745.000	105.70	0.00	-105.70	241	357	Horizontal

Final Data List

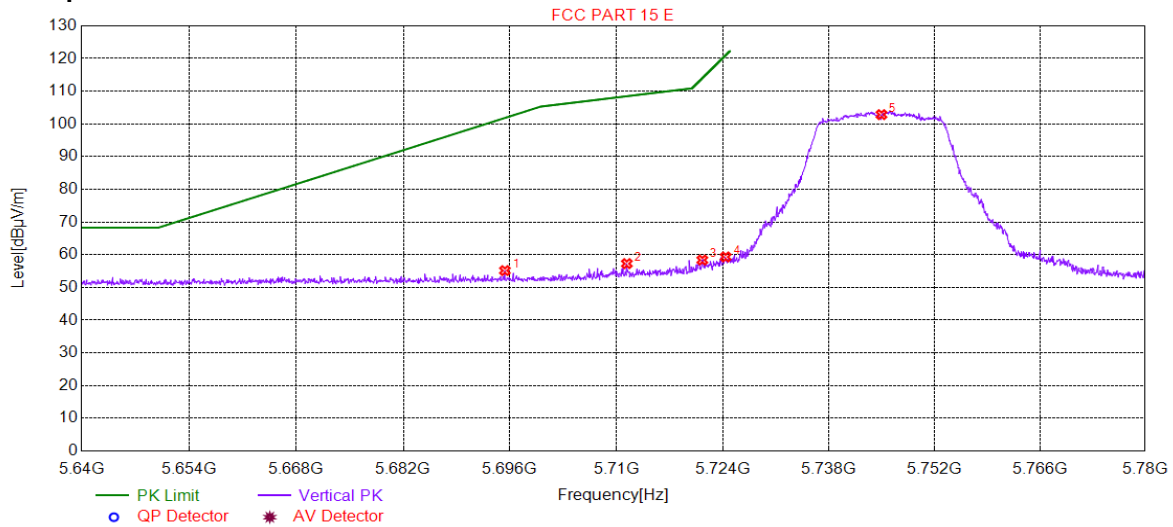


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### 4.10.1.59 802.11AC20\_Channel 149

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5695.327	55.17	101.84	46.67	267	37	Vertical
2	5711.365	57.30	108.48	51.18	212	40	Vertical
3	5721.310	58.39	113.89	55.50	165	37	Vertical
4	5724.392	59.34	120.91	61.57	239	37	Vertical
5	5745.000	102.85	0.00	-102.85	196	33	Vertical

#### Final Data List

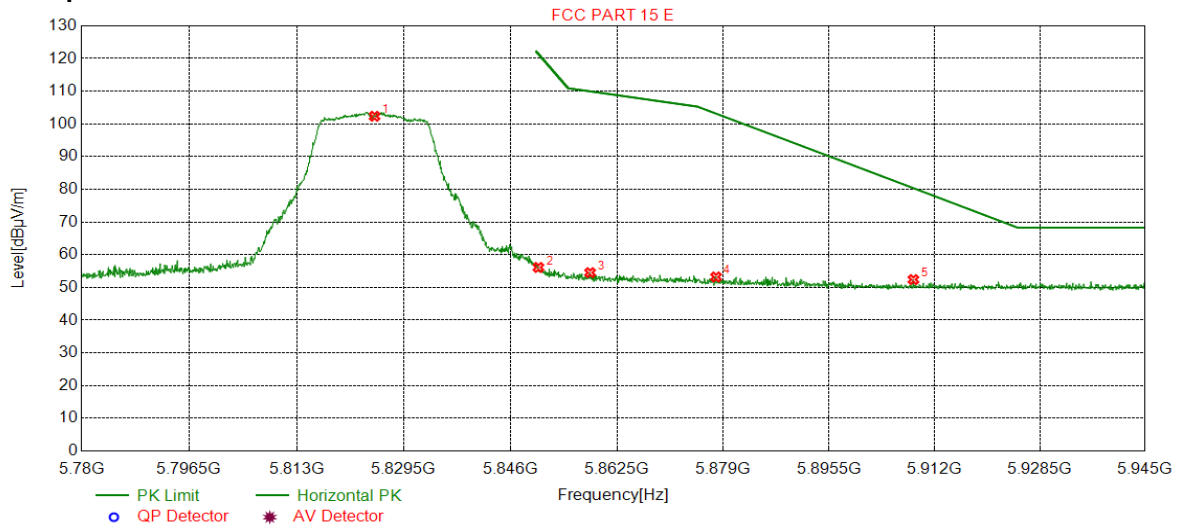


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### 4.10.1.60 802.11AC20\_Channel 165

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.000	102.35	0.00	-102.35	171	202	Horizontal
2	5850.325	56.13	121.56	65.43	134	209	Horizontal
3	5858.331	54.54	109.97	55.43	164	205	Horizontal
4	5877.893	53.22	103.16	49.94	198	213	Horizontal
5	5908.681	52.42	80.38	27.96	112	205	Horizontal

#### Final Data List

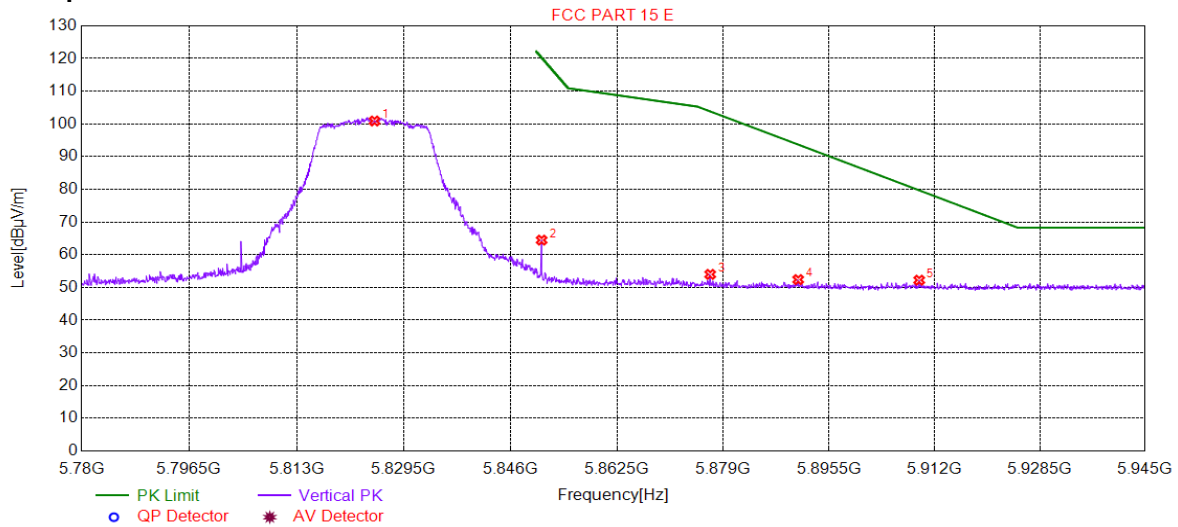


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### 4.10.1.61 802.11AC20\_Channel 165

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5825.000	100.91	0.00	-100.91	188	30	Vertical
2	5850.820	64.49	120.43	55.94	241	176	Vertical
3	5876.986	54.01	103.83	49.82	264	40	Vertical
4	5890.687	52.41	93.69	41.28	179	197	Vertical
5	5909.589	52.24	79.70	27.46	246	23	Vertical

#### Final Data List

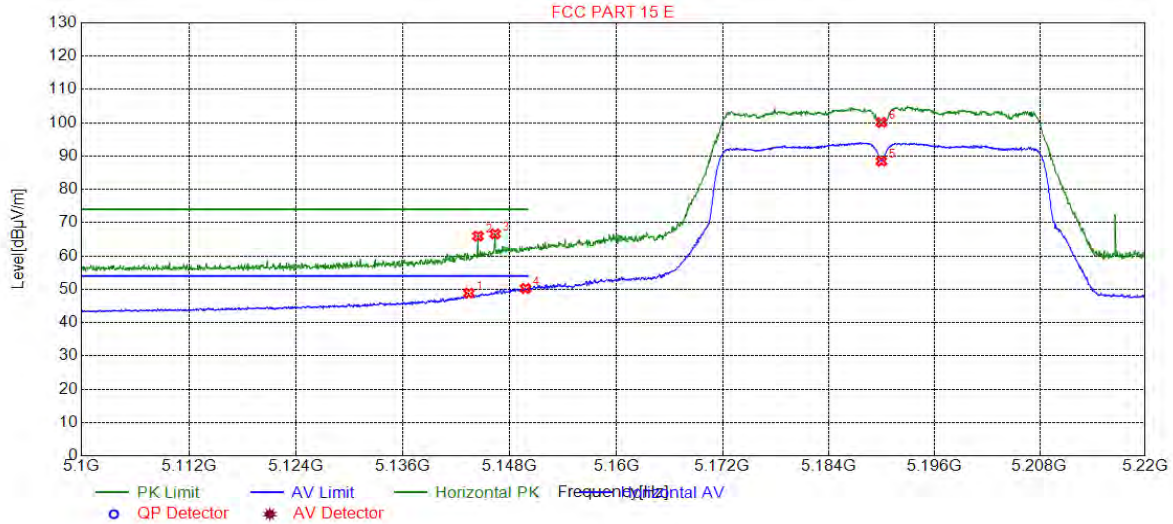


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4.10.1.62 802.11AC40\_Channel 38

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5143.401	48.87	54.00	5.13	100	235	Horizontal
2	5144.422	65.98	74.00	8.02	145	330	Horizontal
3	5146.343	66.66	74.00	7.34	241	341	Horizontal
4	5149.764	50.27	54.00	3.73	231	238	Horizontal
5	5190.000	88.48	0.00	-88.48	186	231	Horizontal
6	5190.000	100.12	0.00	-100.12	187	231	Horizontal

Final Data List

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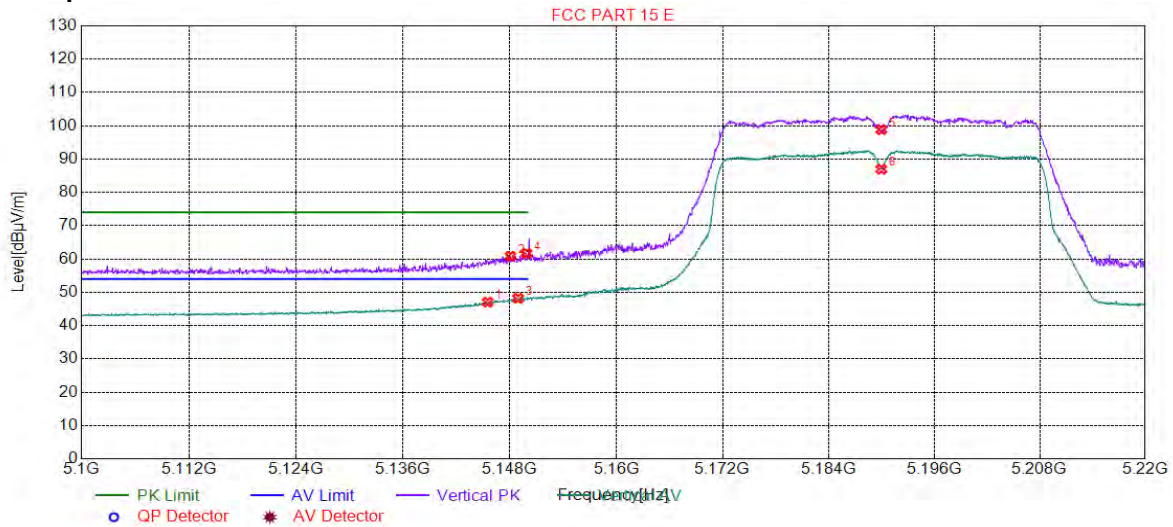
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### 4.10.1.63 802.11AC40\_Channel 38

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.502	47.05	54.00	6.95	213	216	Vertical
2	5148.084	60.87	74.00	13.13	276	208	Vertical
3	5148.924	48.23	54.00	5.77	241	208	Vertical
4	5149.884	61.74	74.00	12.26	185	208	Vertical
5	5190.000	98.85	0.00	-98.85	285	212	Vertical
6	5190.000	86.97	0.00	-86.97	163	208	Vertical

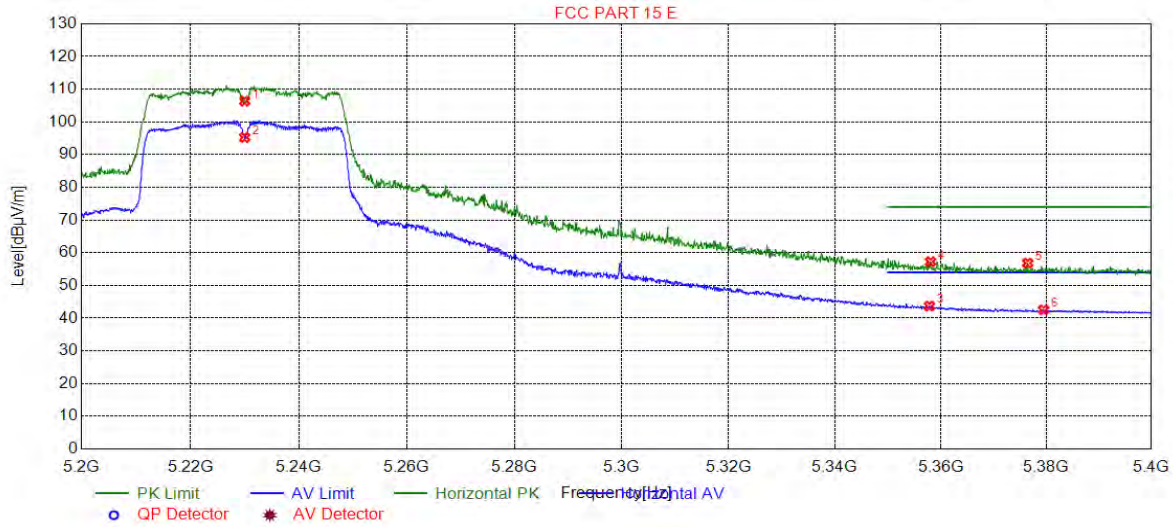
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### 4.10.1.64 802.11AC40\_Channel 46

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.000	106.40	0.00	-106.40	158	218	Horizontal
2	5230.000	95.26	0.00	-95.26	144	218	Horizontal
3	5357.878	43.71	54.00	10.29	152	223	Horizontal
4	5358.079	57.27	74.00	16.73	177	218	Horizontal
5	5376.488	56.86	74.00	17.14	238	336	Horizontal
6	5379.489	42.56	54.00	11.44	194	214	Horizontal

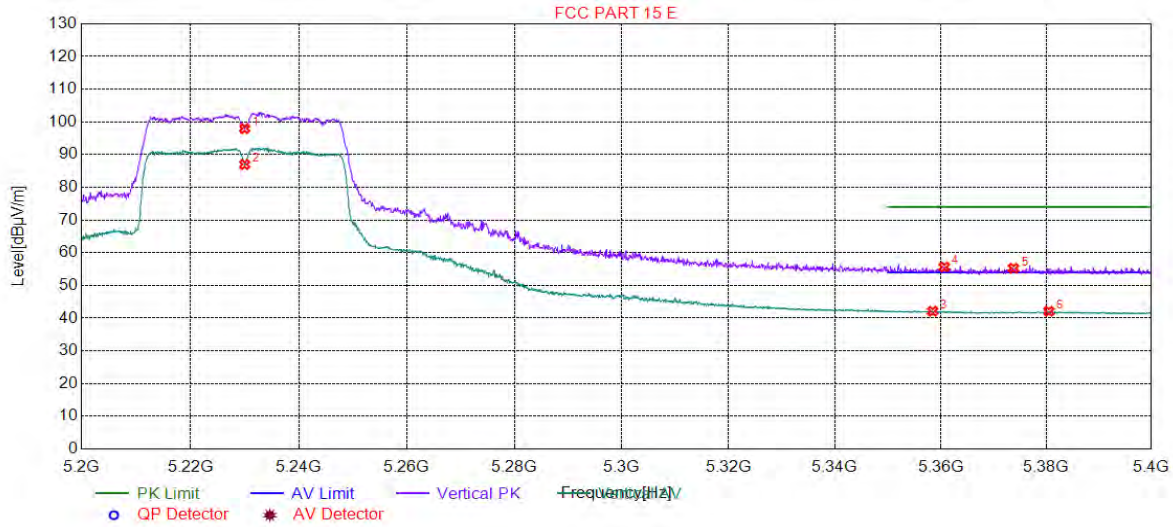
#### Final Data List



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### 4.10.1.65 802.11AC40\_Channel 46

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5230.000	97.97	0.00	-97.97	248	302	Vertical
2	5230.000	86.99	0.00	-86.99	274	302	Vertical
3	5358.479	42.14	54.00	11.86	200	90	Vertical
4	5360.680	55.66	74.00	18.34	283	344	Vertical
5	5373.786	55.26	74.00	18.74	285	326	Vertical
6	5380.490	42.12	54.00	11.88	269	99	Vertical

#### Final Data List

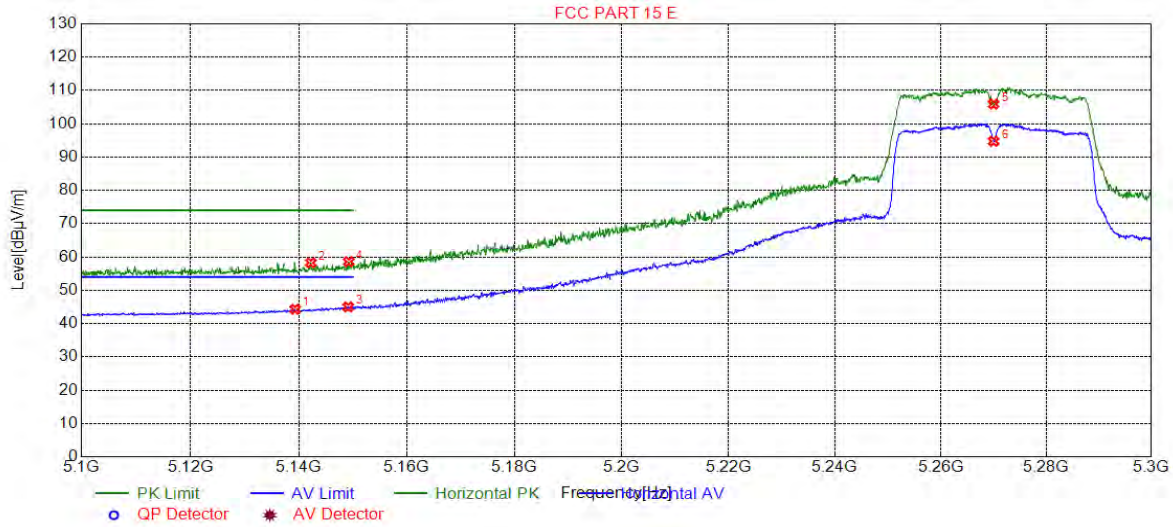


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### 4.10.1.66 802.11AC40\_Channel 54

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5139.319	44.35	54.00	9.65	220	215	Horizontal
2	5142.221	58.28	74.00	15.72	175	220	Horizontal
3	5149.124	45.02	54.00	8.98	173	220	Horizontal
4	5149.224	58.60	74.00	15.40	155	215	Horizontal
5	5270.000	105.89	0.00	-105.89	125	220	Horizontal
6	5270.000	94.75	0.00	-94.75	158	210	Horizontal

#### Final Data List



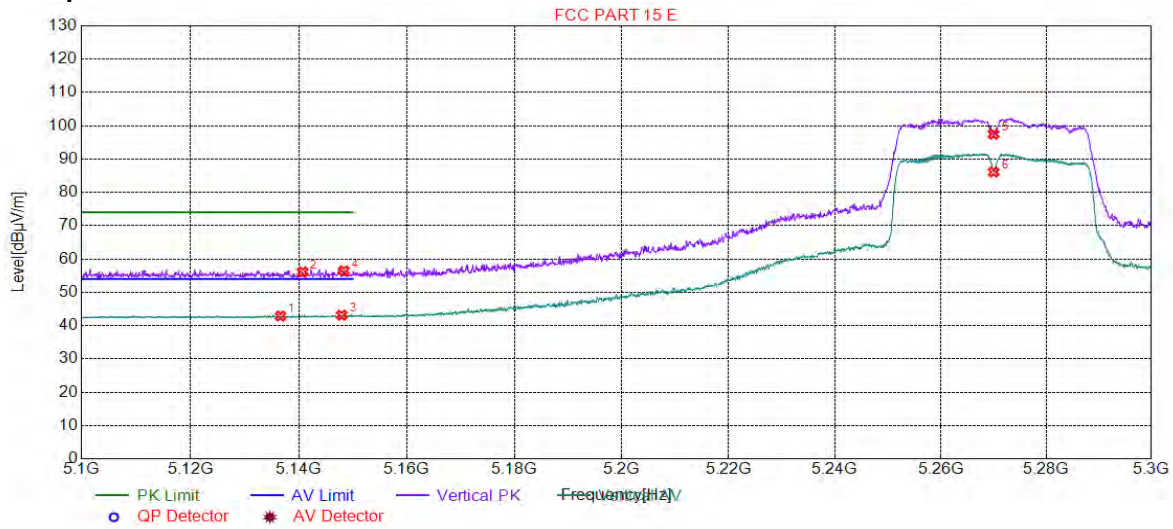
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### 4.10.1.67 802.11AC40\_Channel 54

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5136.618	42.88	54.00	11.12	206	4	Vertical
2	5140.720	56.15	74.00	17.85	152	321	Vertical
3	5147.924	43.15	54.00	10.85	278	74	Vertical
4	5148.324	56.48	74.00	17.52	211	70	Vertical
5	5270.000	97.47	0.00	-97.47	283	312	Vertical
6	5270.000	86.11	0.00	-86.11	227	344	Vertical

#### Final Data List

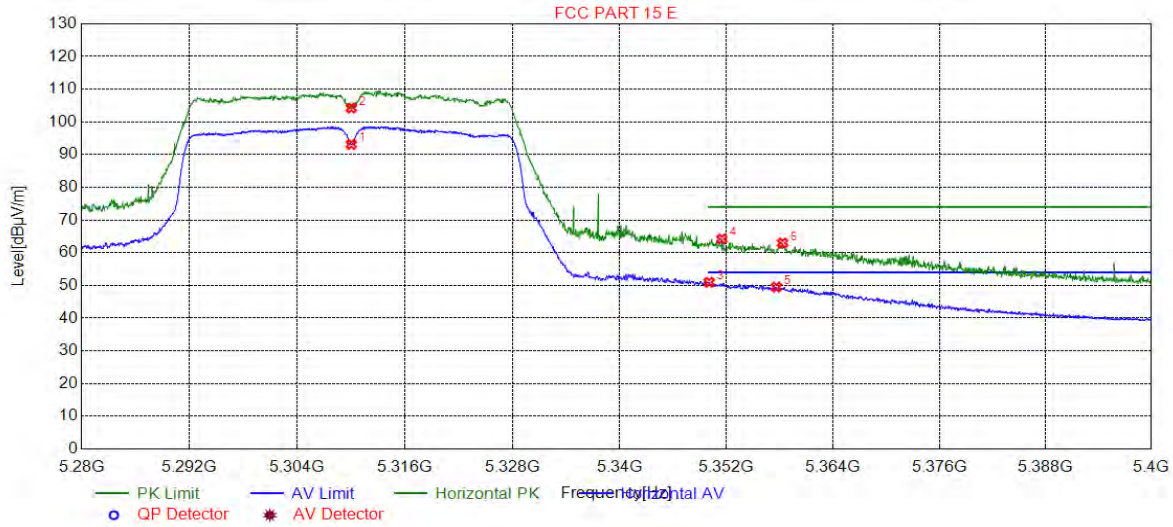


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### 4.10.1.68 802.11AC40\_Channel 62

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.000	93.16	0.00	-93.16	208	213	Horizontal
2	5310.000	104.24	0.00	-104.24	122	213	Horizontal
3	5350.055	50.98	54.00	3.02	246	213	Horizontal
4	5351.495	64.22	74.00	9.78	149	222	Horizontal
5	5357.618	49.51	54.00	4.49	198	208	Horizontal
6	5358.339	62.99	74.00	11.01	147	208	Horizontal

#### Final Data List

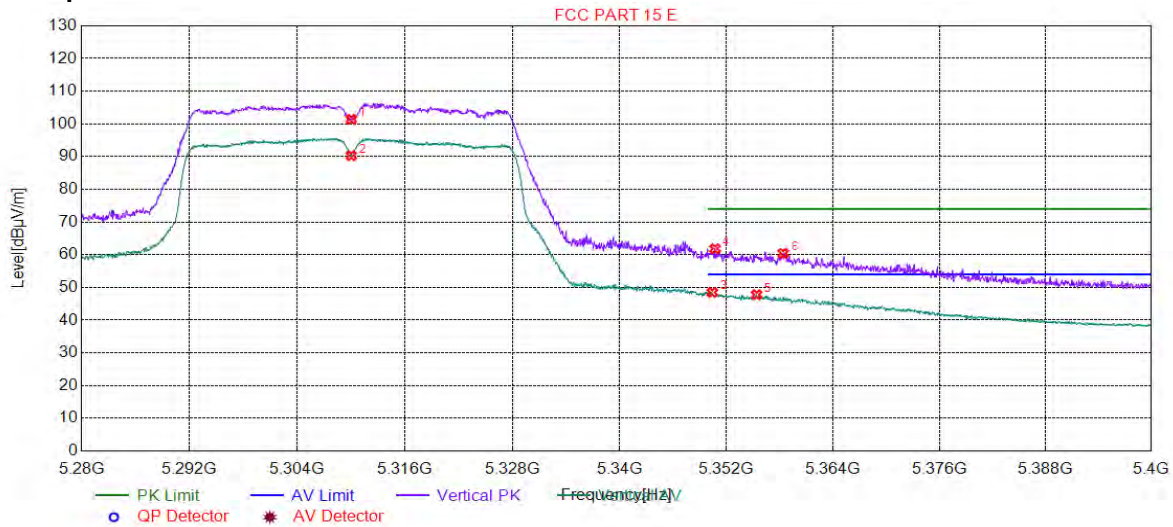
(This section is empty as it contains no data.)



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### 4.10.1.69 802.11AC40\_Channel 62

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5310.000	101.42	0.00	-101.42	285	202	Vertical
2	5310.000	90.31	0.00	-90.31	257	193	Vertical
3	5350.415	48.49	54.00	5.51	271	193	Vertical
4	5350.715	61.87	74.00	12.13	192	193	Vertical
5	5355.397	47.78	54.00	6.22	266	193	Vertical
6	5358.399	60.44	74.00	13.56	263	188	Vertical

#### Final Data List

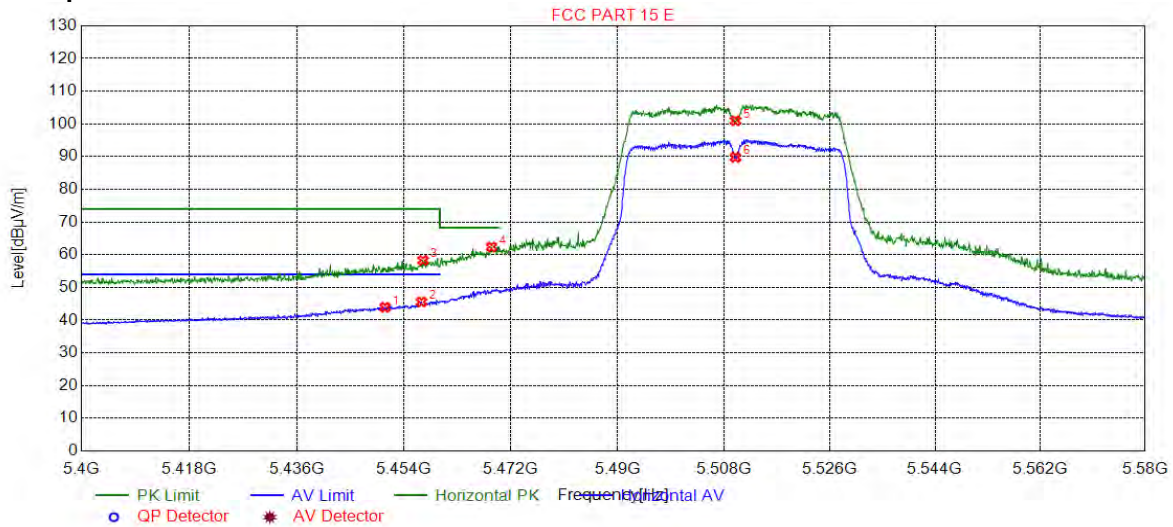


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### 4.10.1.70 802.11AC40\_Channel 102

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5450.785	43.94	54.00	10.06	101	210	Horizontal
2	5456.908	45.59	54.00	8.41	186	215	Horizontal
3	5457.178	58.29	74.00	15.71	137	215	Horizontal
4	5468.704	62.39	68.30	5.91	112	210	Horizontal
5	5510.000	100.98	0.00	-100.98	199	210	Horizontal
6	5510.000	89.83	0.00	-89.83	200	210	Horizontal

#### Final Data List

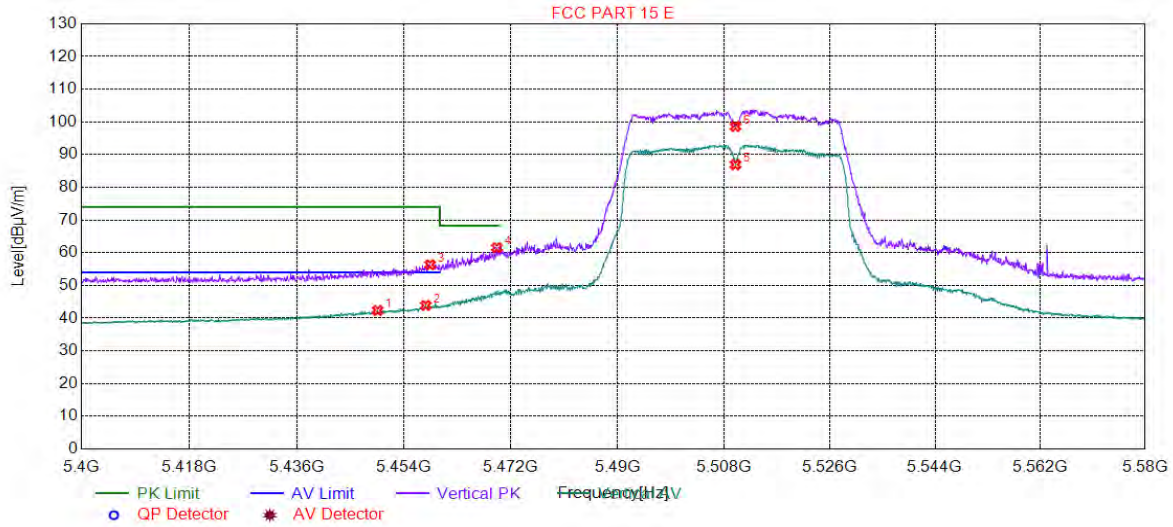


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### 4.10.1.71 802.11AC40\_Channel 102

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.524	42.34	54.00	11.66	204	191	Vertical
2	5457.628	43.90	54.00	10.10	255	191	Vertical
3	5458.349	56.35	74.00	17.65	290	186	Vertical
4	5469.604	61.61	68.30	6.69	221	196	Vertical
5	5510.000	86.93	0.00	-86.93	202	200	Vertical
6	5510.000	98.60	0.00	-98.60	276	196	Vertical

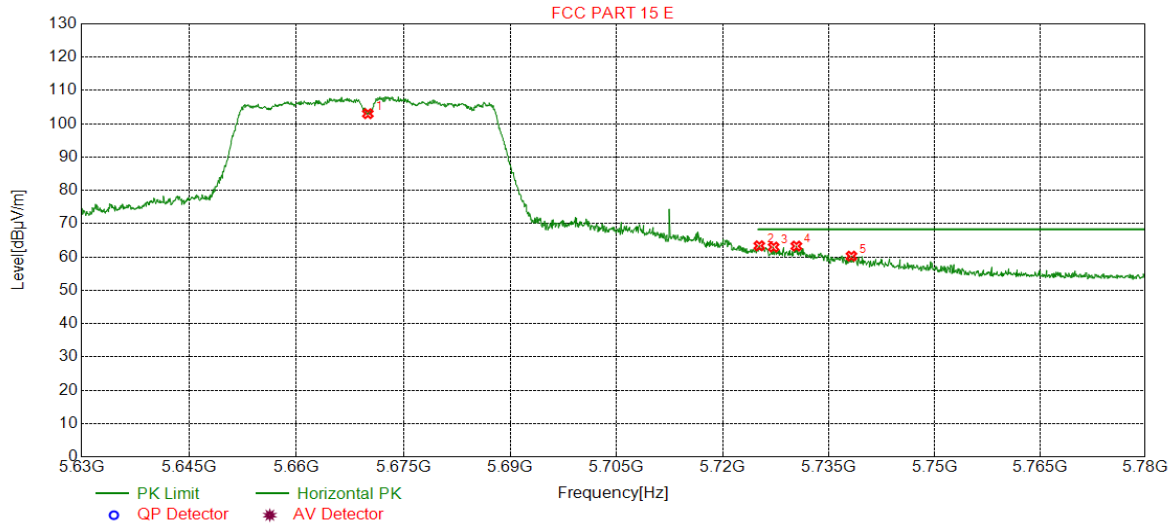
#### Final Data List



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### 4.10.1.72 802.11AC40\_Channel 134

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.000	103.03	0.00	-103.03	119	335	Horizontal
2	5725.147	63.37	68.30	4.93	148	16	Horizontal
3	5727.173	63.00	68.30	5.30	224	23	Horizontal
4	5730.400	63.29	68.30	5.01	182	23	Horizontal
5	5738.204	60.28	68.30	8.02	167	30	Horizontal

#### Final Data List

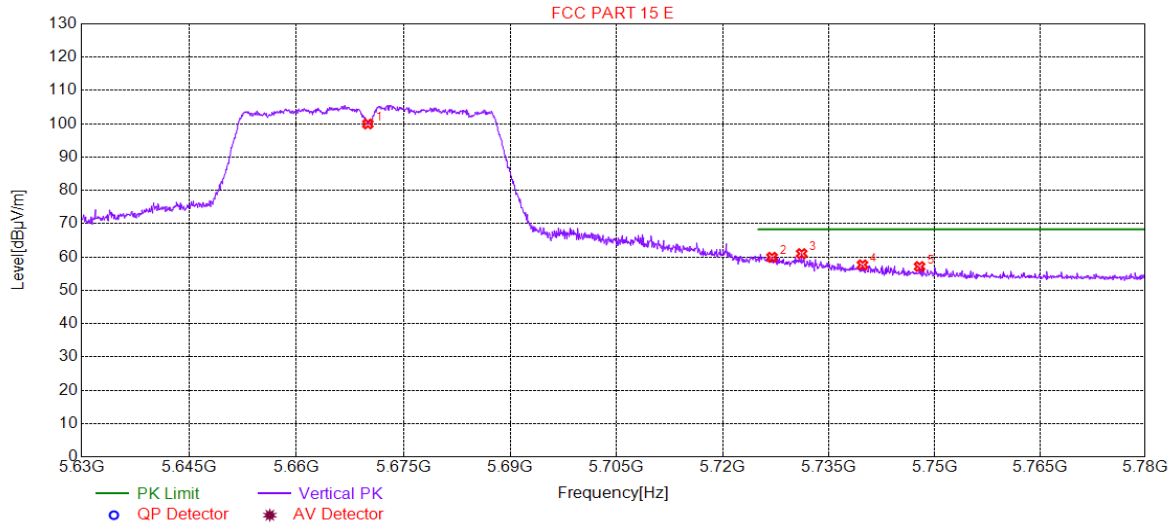


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**4.10.1.73 802.11AC40\_Channel 134**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5670.000	99.94	0.00	-99.94	179	206	Vertical
2	5726.948	59.95	68.30	8.35	245	192	Vertical
3	5731.150	61.02	68.30	7.28	267	203	Vertical
4	5739.779	57.66	68.30	10.64	246	185	Vertical
5	5747.883	57.15	68.30	11.15	183	196	Vertical

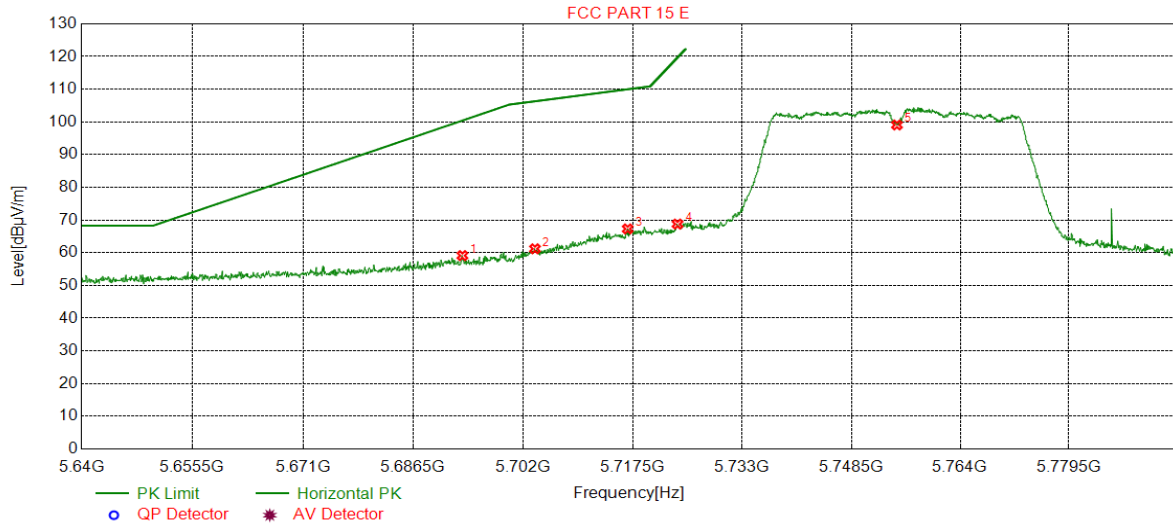
**Final Data List**



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4.10.1.74 802.11AC40\_Channel 151

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5693.424	59.14	100.43	41.29	219	343	Horizontal
2	5703.659	61.22	106.32	45.10	113	23	Horizontal
3	5716.763	67.31	109.99	42.68	148	339	Horizontal
4	5723.819	68.78	119.61	50.83	202	339	Horizontal
5	5755.000	99.08	0.00	-99.08	158	44	Horizontal

Final Data List

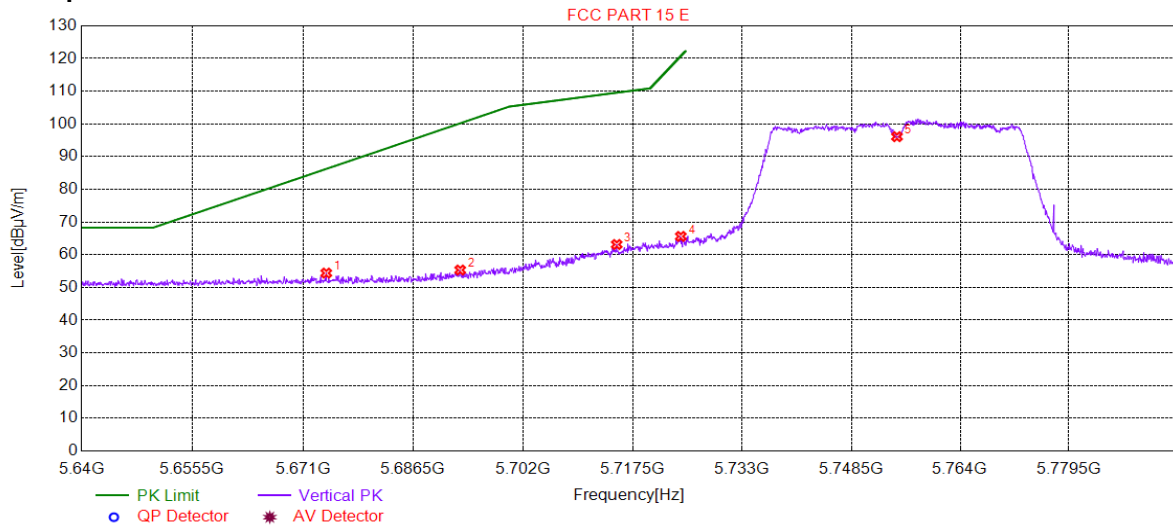


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4.10.1.75 802.11AC40\_Channel 151

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5674.272	54.40	86.26	31.86	156	20	Vertical
2	5693.114	55.34	100.20	44.86	228	27	Vertical
3	5715.212	63.15	109.56	46.41	293	34	Vertical
4	5724.284	65.62	120.67	55.05	175	23	Vertical
5	5755.000	96.11	0.00	-96.11	291	34	Vertical

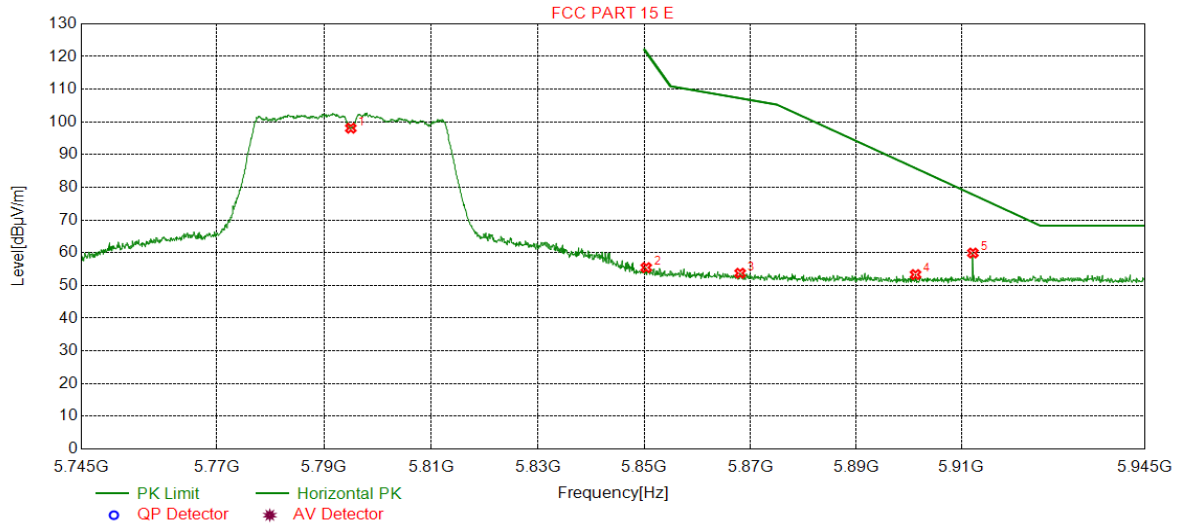
Final Data List



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### 4.10.1.76 802.11AC40\_Channel 159

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.000	98.09	0.00	-98.09	212	44	Horizontal
2	5850.352	55.46	121.50	66.04	159	212	Horizontal
3	5868.061	53.75	107.24	53.49	203	212	Horizontal
4	5901.278	53.34	85.85	32.51	106	212	Horizontal
5	5912.183	59.93	77.78	17.85	147	265	Horizontal

#### Final Data List

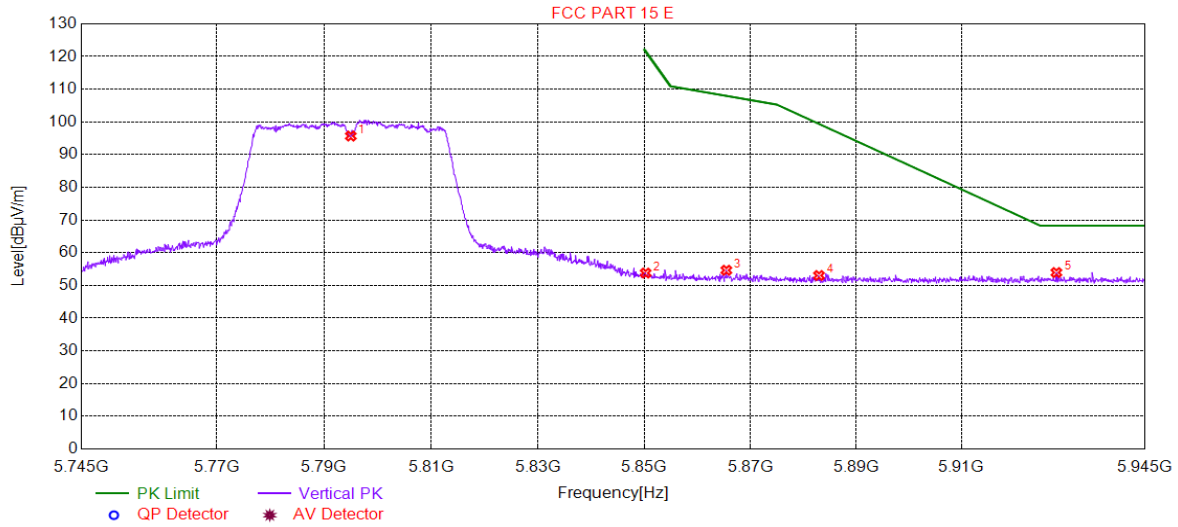


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**4.10.1.77 802.11AC40\_Channel 159**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5795.000	95.69	0.00	-95.69	290	28	Vertical
2	5850.252	53.80	121.72	67.92	281	18	Vertical
3	5865.460	54.66	107.97	53.31	152	35	Vertical
4	5882.969	53.05	99.40	46.35	270	138	Vertical
5	5928.091	53.96	68.30	14.34	292	49	Vertical

**Final Data List**

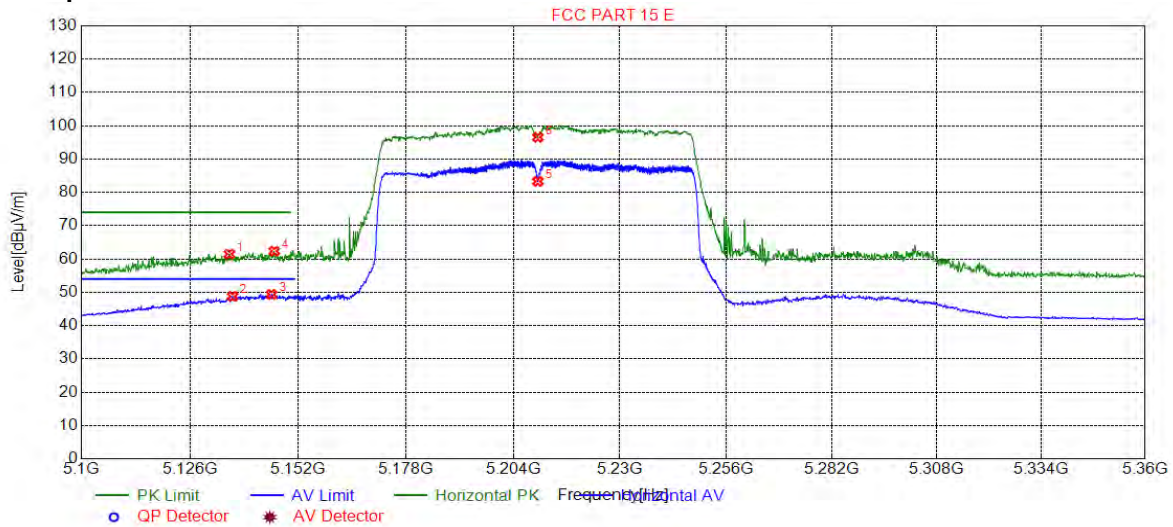
(This section is intentionally left blank in the provided image.)



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### 4.10.1.78 802.11AC80\_Channel 42

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5135.377	61.50	74.00	12.50	211	214	Horizontal
2	5136.158	48.78	54.00	5.22	234	214	Horizontal
3	5145.522	49.36	54.00	4.64	122	214	Horizontal
4	5146.173	62.36	74.00	11.64	237	214	Horizontal
5	5210.000	83.30	0.00	-83.30	227	224	Horizontal
6	5210.000	96.54	0.00	-96.54	213	219	Horizontal

#### Final Data List



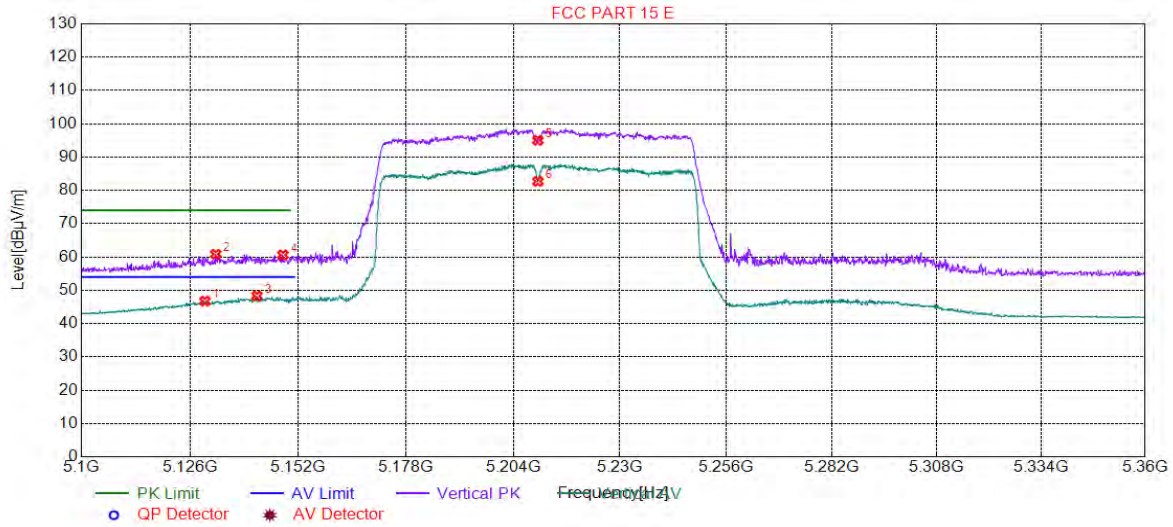
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4.10.1.79 802.11AC80\_Channel 42

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.524	46.78	54.00	7.22	254	193	Vertical
2	5132.126	60.87	74.00	13.13	264	198	Vertical
3	5142.011	48.33	54.00	5.67	218	193	Vertical
4	5148.254	60.64	74.00	13.36	244	198	Vertical
5	5210.000	95.04	0.00	-95.04	248	193	Vertical
6	5210.000	82.68	0.00	-82.68	241	188	Vertical

Final Data List

Final Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5129.524	46.78	54.00	7.22	254	193	Vertical
2	5132.126	60.87	74.00	13.13	264	198	Vertical
3	5142.011	48.33	54.00	5.67	218	193	Vertical
4	5148.254	60.64	74.00	13.36	244	198	Vertical
5	5210.000	95.04	0.00	-95.04	248	193	Vertical
6	5210.000	82.68	0.00	-82.68	241	188	Vertical

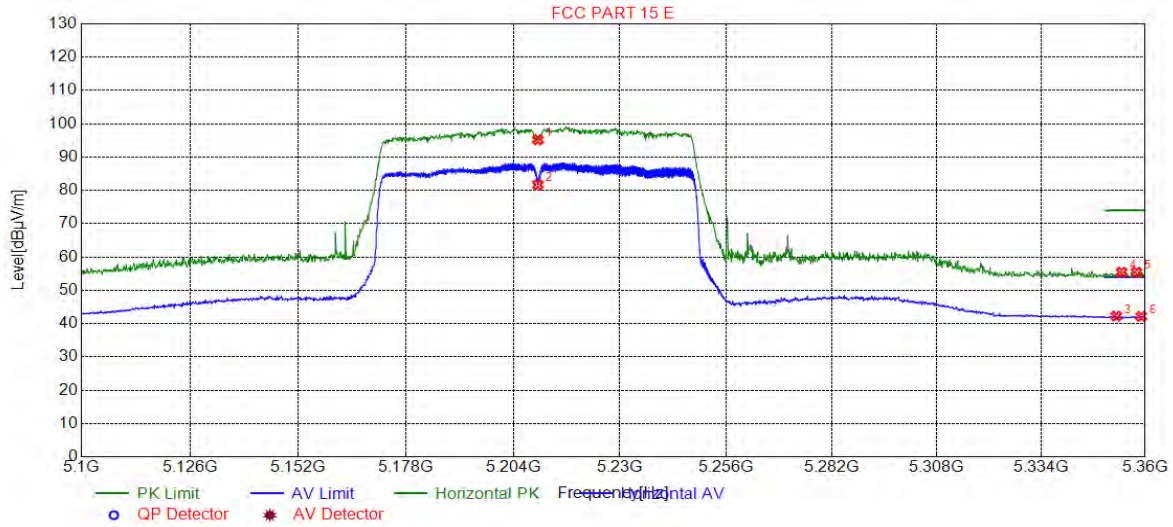


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### 4.10.1.80 802.11AC80\_Channel 42

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.000	95.18	0.00	-95.18	228	217	Horizontal
2	5210.000	81.70	0.00	-81.70	234	226	Horizontal
3	5352.846	42.26	54.00	11.74	106	173	Horizontal
4	5354.147	55.47	74.00	18.53	133	221	Horizontal
5	5357.919	55.45	74.00	18.55	213	307	Horizontal
6	5359.089	42.18	54.00	11.82	124	231	Horizontal

#### Final Data List

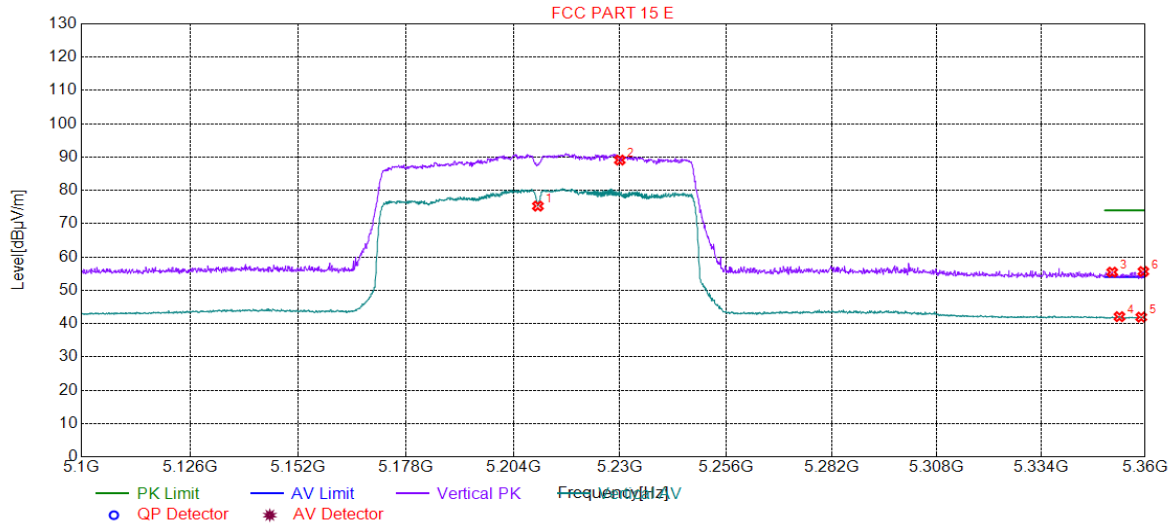
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**4.10.1.81 802.11AC80\_Channel 42**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.000	75.29	0.00	-75.29	209	49	Vertical
2	5230.000	89.11	0.00	-89.11	208	78	Vertical
3	5351.805	55.46	74.00	18.54	226	34	Vertical
4	5353.626	42.11	54.00	11.89	254	278	Vertical
5	5359.089	41.97	54.00	12.03	235	344	Vertical
6	5359.609	55.66	74.00	18.34	191	111	Vertical

**Final Data List**

Final Data List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5210.000	75.29	0.00	-75.29	209	49	Vertical
2	5230.000	89.11	0.00	-89.11	208	78	Vertical
3	5351.805	55.46	74.00	18.54	226	34	Vertical
4	5353.626	42.11	54.00	11.89	254	278	Vertical
5	5359.089	41.97	54.00	12.03	235	344	Vertical
6	5359.609	55.66	74.00	18.34	191	111	Vertical



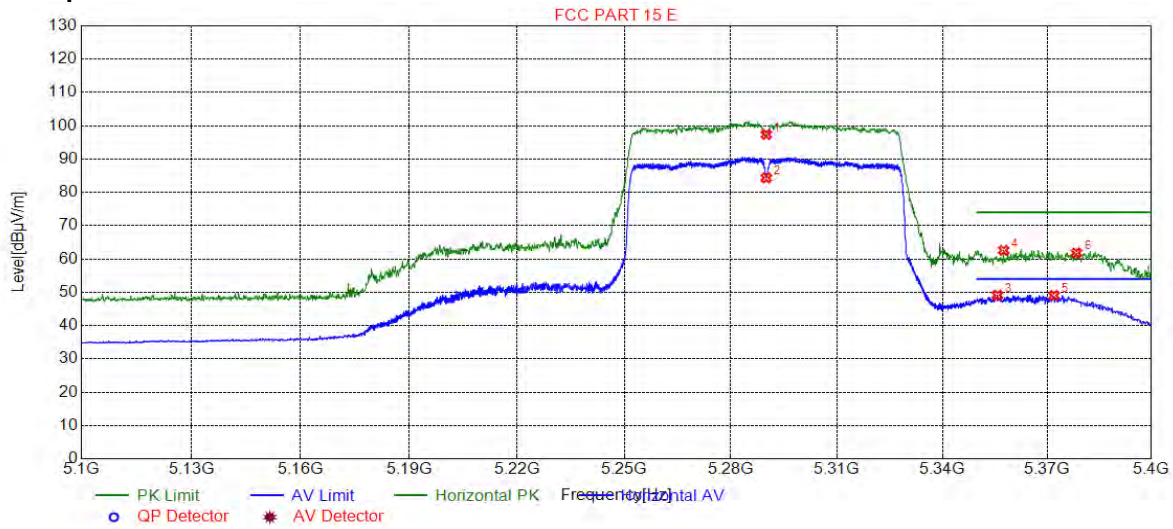
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### 4.10.1.82 802.11AC80\_Channel 58

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5290.000	97.38	0.00	-97.38	130	210	Horizontal
2	5290.000	84.34	0.00	-84.34	238	204	Horizontal
3	5355.727	49.16	54.00	4.84	185	204	Horizontal
4	5357.528	62.60	74.00	11.40	242	190	Horizontal
5	5371.936	49.06	54.00	4.94	244	210	Horizontal
6	5378.389	61.84	74.00	12.16	133	204	Horizontal

#### Final Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5290.000	97.38	0.00	-97.38	130	210	Horizontal
2	5290.000	84.34	0.00	-84.34	238	204	Horizontal
3	5355.727	49.16	54.00	4.84	185	204	Horizontal
4	5357.528	62.60	74.00	11.40	242	190	Horizontal
5	5371.936	49.06	54.00	4.94	244	210	Horizontal
6	5378.389	61.84	74.00	12.16	133	204	Horizontal

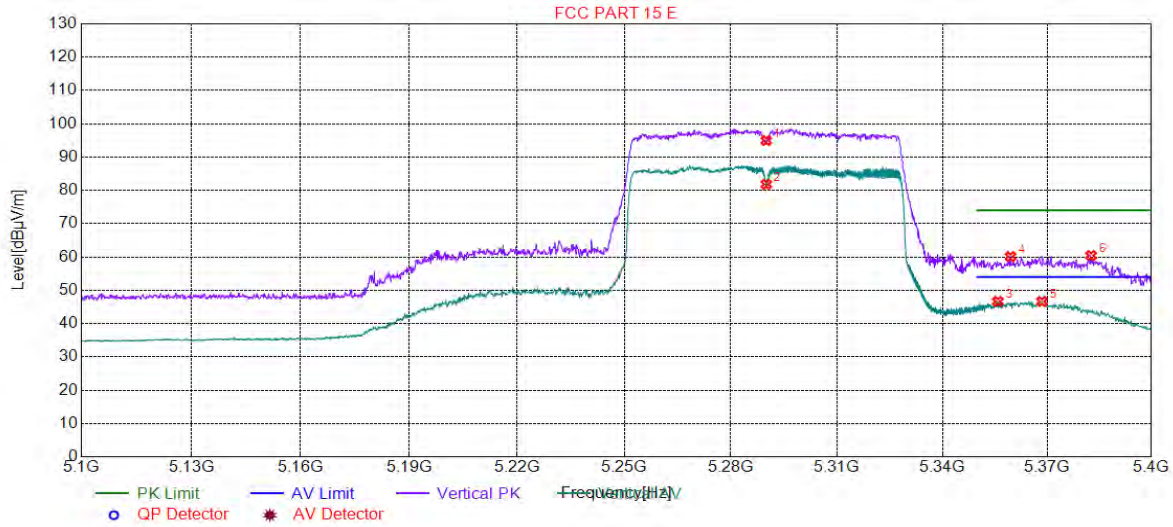


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**4.10.1.83 802.11AC80\_Channel 58**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5290.000	94.97	0.00	-94.97	213	186	Vertical
2	5290.000	81.84	0.00	-81.84	229	186	Vertical
3	5355.877	46.70	54.00	7.30	157	191	Vertical
4	5359.479	60.15	74.00	13.85	157	186	Vertical
5	5368.484	46.68	54.00	7.32	272	191	Vertical
6	5382.591	60.46	74.00	13.54	172	186	Vertical

**Final Data List**

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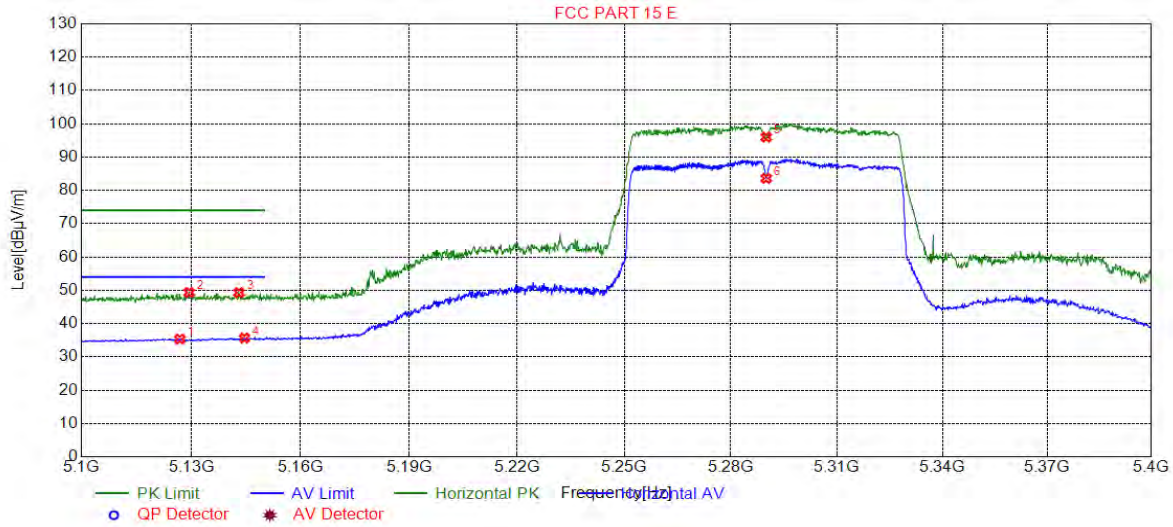


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### 4.10.1.84 802.11AC80\_Channel 58

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5126.863	35.37	54.00	18.63	110	217	Horizontal
2	5129.414	49.36	74.00	24.64	115	202	Horizontal
3	5143.071	49.31	74.00	24.69	165	86	Horizontal
4	5144.572	35.68	54.00	18.32	119	208	Horizontal
5	5290.000	95.99	0.00	-95.99	144	208	Horizontal
6	5290.000	83.62	0.00	-83.62	138	208	Horizontal

#### Final Data List

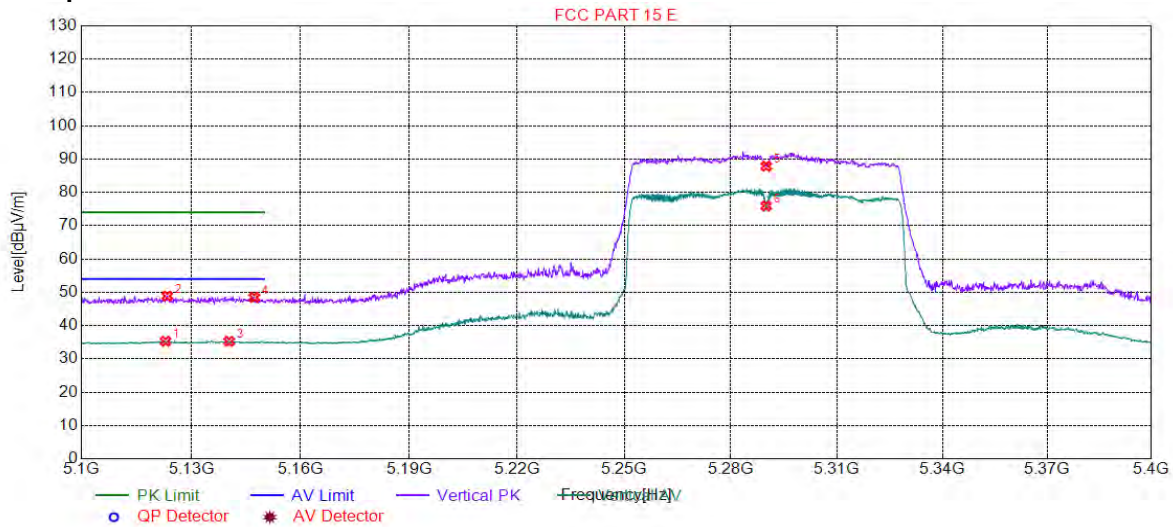


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### 4.10.1.85 802.11AC80\_Channel 58

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5122.961	35.34	54.00	18.66	218	79	Vertical
2	5123.411	48.90	74.00	25.10	197	136	Vertical
3	5140.370	35.29	54.00	18.71	177	266	Vertical
4	5147.273	48.51	74.00	25.49	215	16	Vertical
5	5290.000	87.86	0.00	-87.86	206	84	Vertical
6	5290.000	75.94	0.00	-75.94	206	79	Vertical

#### Final Data List

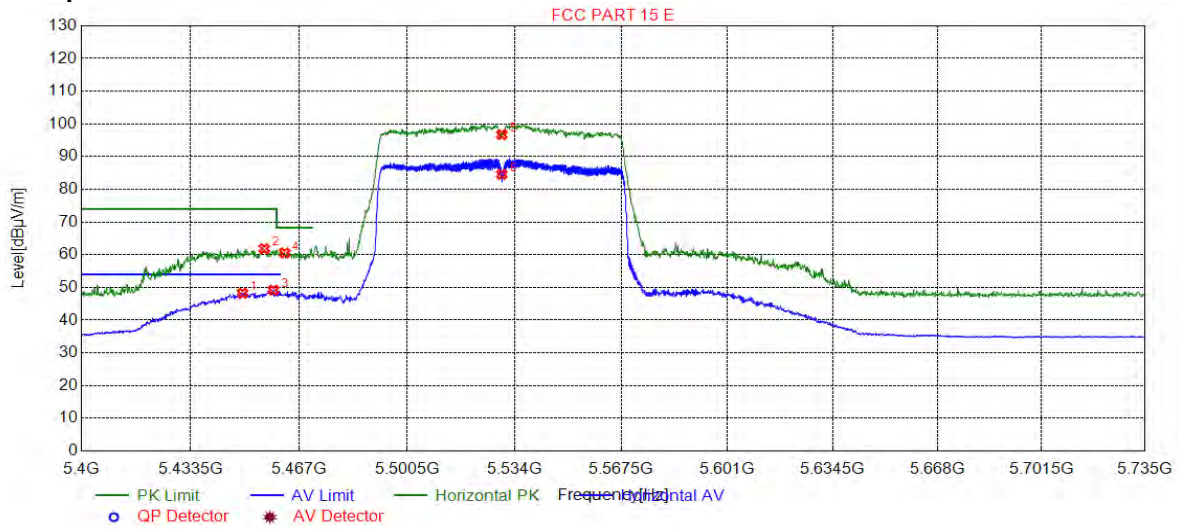


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### 4.10.1.86 802.11AC80\_Channel 106

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.437	48.27	54.00	5.73	163	206	Horizontal
2	5456.140	61.87	74.00	12.13	205	197	Horizontal
3	5458.989	49.20	54.00	4.80	135	206	Horizontal
4	5462.508	60.55	68.30	7.75	117	206	Horizontal
5	5530.000	96.72	0.00	-96.72	206	206	Horizontal
6	5530.000	84.60	0.00	-84.60	226	206	Horizontal

#### Final Data List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5449.437	48.27	54.00	5.73	163	206	Horizontal
2	5456.140	61.87	74.00	12.13	205	197	Horizontal
3	5458.989	49.20	54.00	4.80	135	206	Horizontal
4	5462.508	60.55	68.30	7.75	117	206	Horizontal
5	5530.000	96.72	0.00	-96.72	206	206	Horizontal
6	5530.000	84.60	0.00	-84.60	226	206	Horizontal

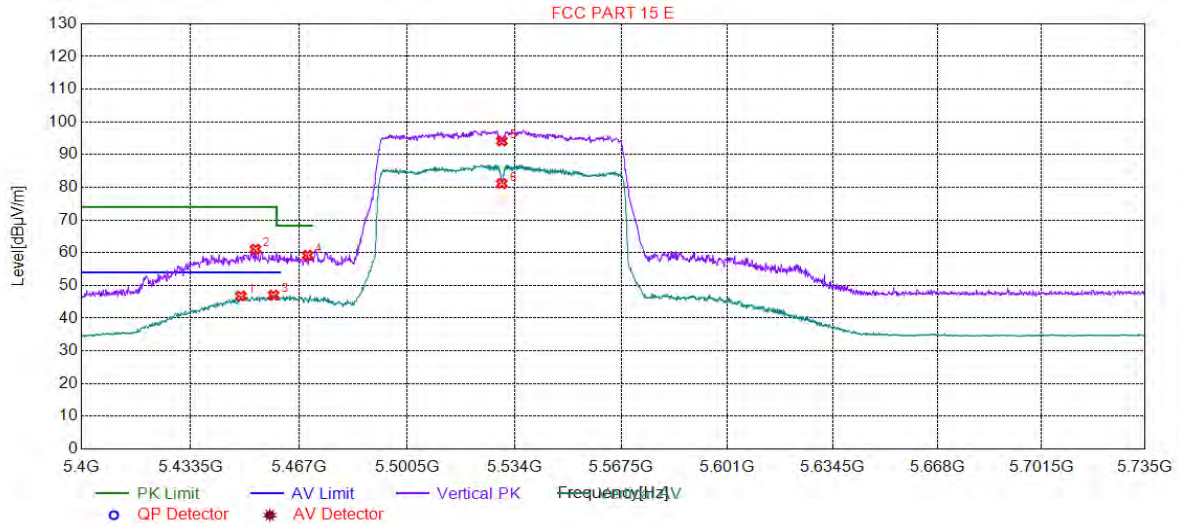


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### 4.10.1.87 802.11AC80\_Channel 106

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5448.934	46.78	54.00	7.22	154	188	Vertical
2	5453.459	61.09	74.00	12.91	270	188	Vertical
3	5458.989	47.05	54.00	6.95	166	188	Vertical
4	5469.547	59.22	68.30	9.08	168	193	Vertical
5	5530.000	94.20	0.00	-94.20	230	188	Vertical
6	5530.000	81.15	0.00	-81.15	223	193	Vertical

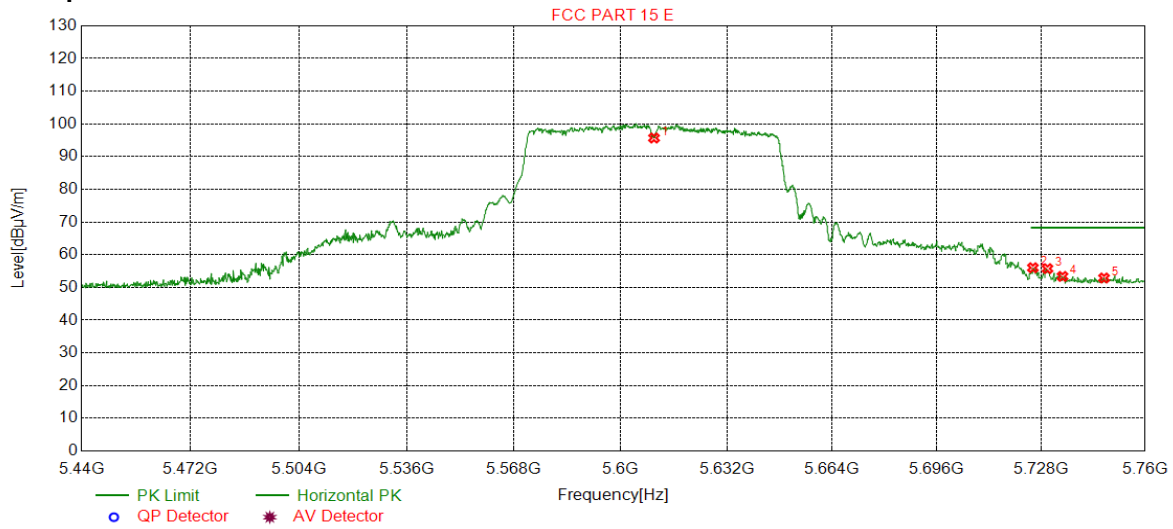
#### Final Data List



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4.10.1.88 802.11AC80\_Channel 122

Test Graph



Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5610.000	95.70	0.00	-95.70	128	202	Horizontal
2	5725.422	56.04	68.30	12.26	191	28	Horizontal
3	5729.905	55.77	68.30	12.53	105	21	Horizontal
4	5734.547	53.39	68.30	14.91	197	46	Horizontal
5	5747.353	52.90	68.30	15.40	140	344	Horizontal

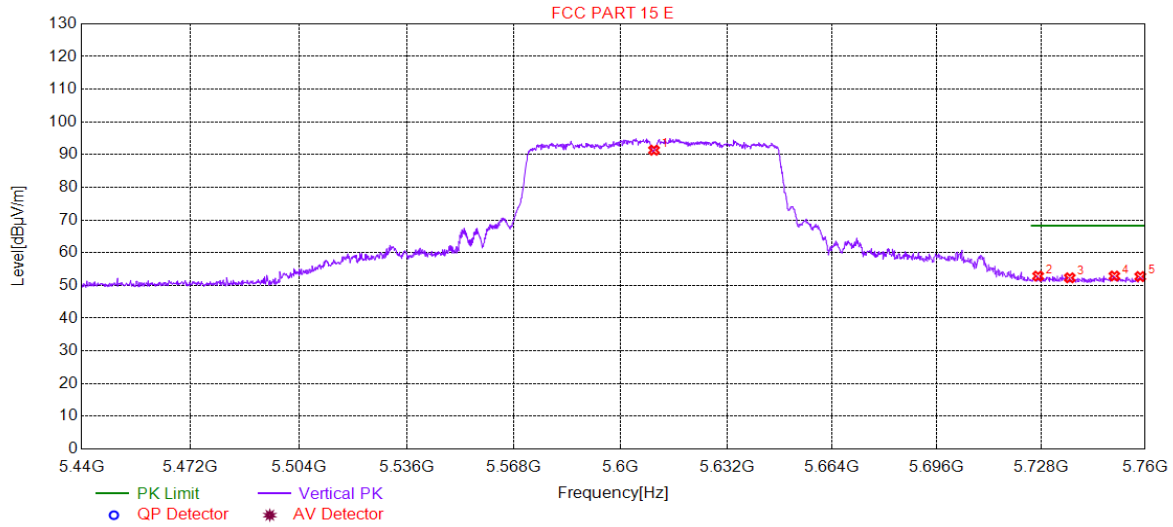
Final Data List



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### 4.10.1.89 802.11AC80\_Channel 122

#### Test Graph



#### Suspected List

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5610.000	91.37	0.00	-91.37	181	19	Vertical
2	5727.023	52.88	68.30	15.42	167	340	Vertical
3	5736.788	52.35	68.30	15.95	261	33	Vertical
4	5750.555	52.90	68.30	15.40	192	97	Vertical
5	5758.559	52.73	68.30	15.57	204	40	Vertical

#### Final Data List

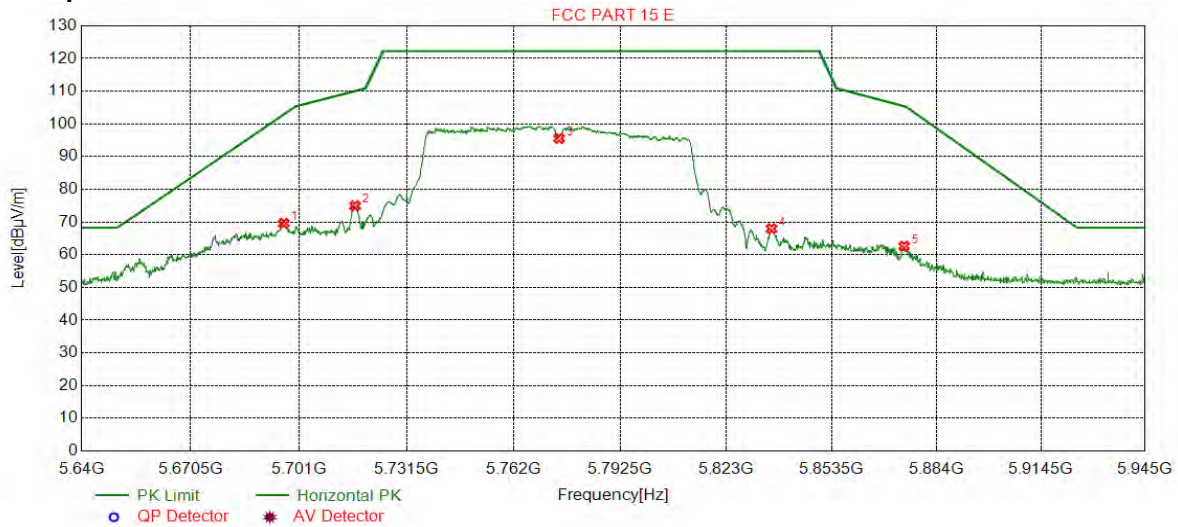


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### 4.10.1.90 802.11AC80\_Channel 155

#### Test Graph



#### Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5696.758	69.60	102.90	33.30	162	20	Horizontal
2	5716.898	74.98	110.03	35.05	224	337	Horizontal
3	5775.000	95.59	122.30	26.71	220	45	Horizontal
4	5836.060	67.97	122.30	54.33	149	211	Horizontal
5	5874.509	62.63	105.44	42.81	130	207	Horizontal

#### Final Data List



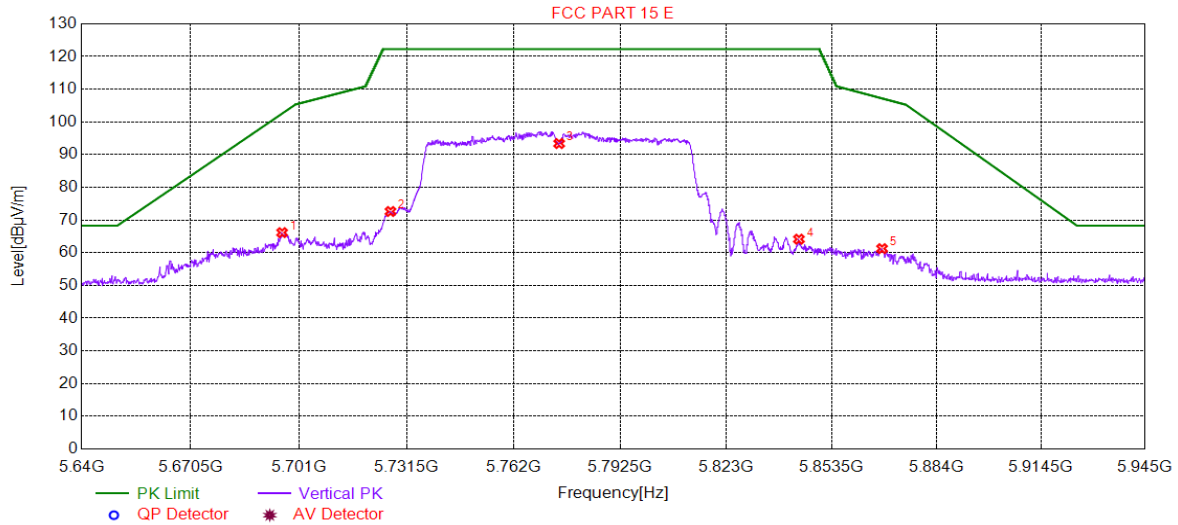
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**4.10.1.91 802.11AC80\_Channel 155**

**Test Graph**



**Suspected List**

Suspected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5696.300	66.17	102.56	36.39	297	34	Vertical
2	5726.968	72.63	122.30	49.67	250	30	Vertical
3	5775.000	93.40	122.30	28.90	272	30	Vertical
4	5843.994	64.16	122.30	58.14	225	95	Vertical
5	5868.101	61.27	107.23	45.96	244	34	Vertical

**Final Data List**

**Remark:**

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

All modes have been tested, but only the worst case data displayed in this report.



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## 4.11 Frequencies Stability

### 4.11.1 Frequency Error vs. Voltage

Test Conditions	Measured Frequency ( MHz )	
	5180	5825
V nom(V)	5180.009345	5825.001199
V max(V)	5180.012295	5825.009792
V min(V)	5180.018533	5825.011026
Max. Deviation Frequency	0.018533	0.011026
Max. Frequency Error (ppm)	3.577893	1.892941

### 4.11.2 Frequency Error vs. Temperature

Test Conditions	Measured Frequency ( MHz )	
	5180	5825
-5	5180.000734	5825.004603
5	5180.010448	5825.014376
15	5180.018875	5825.019858
25	5180.025197	5825.026784
35	5180.027947	5825.028960
45	5180.031161	5825.032557
50	5180.036126	5825.038227
Max. Deviation Frequency	0.036126	0.038227
Max. Frequency Error (ppm)	6.974128	6.562510



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**4.12 Dynamic Frequency Selection**  
**4.12.1 DFS Overview**

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

**Table 2: Applicability of DFS requirements during normal operation**

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required
<b>Additional requirements for devices with multiple bandwidth modes</b>	<b>Master Device or Client with Radar Detection</b>	<b>Client Without Radar Detection</b>
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
<b>Note:</b> Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		



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**4.12.2 DFS Detection Thresholds**  
**Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection**

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
<p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.  <b>Note 2:</b> Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.  <b>Note 3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p>	

**4.12.3 Response Requirements**

**Table 4: DFS Response Requirement Values**

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
<p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.  <b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.  <b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	



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**4.12.4 Test plots**

**4.12.4.1 DFS Detection Thresholds**

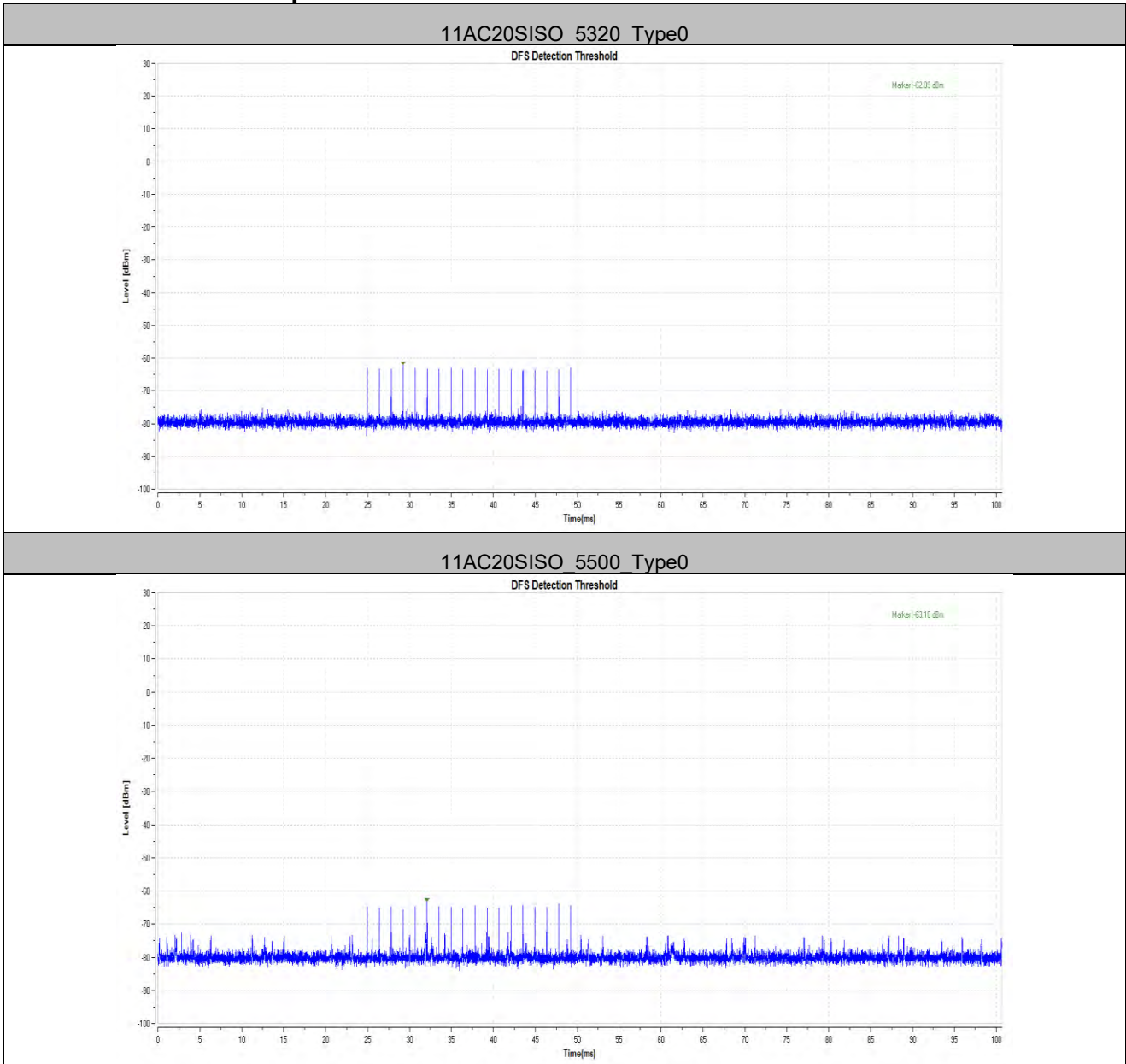
**4.12.4.1.1 Test Result**

TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC20SISO	5320	Type0	-62.09	-62.00	PASS
	5500	Type0	-63.10	-62.00	PASS
11AC80SISO	5290	Type0	-64.07	-62.00	PASS
	5530	Type0	-63.32	-62.00	PASS



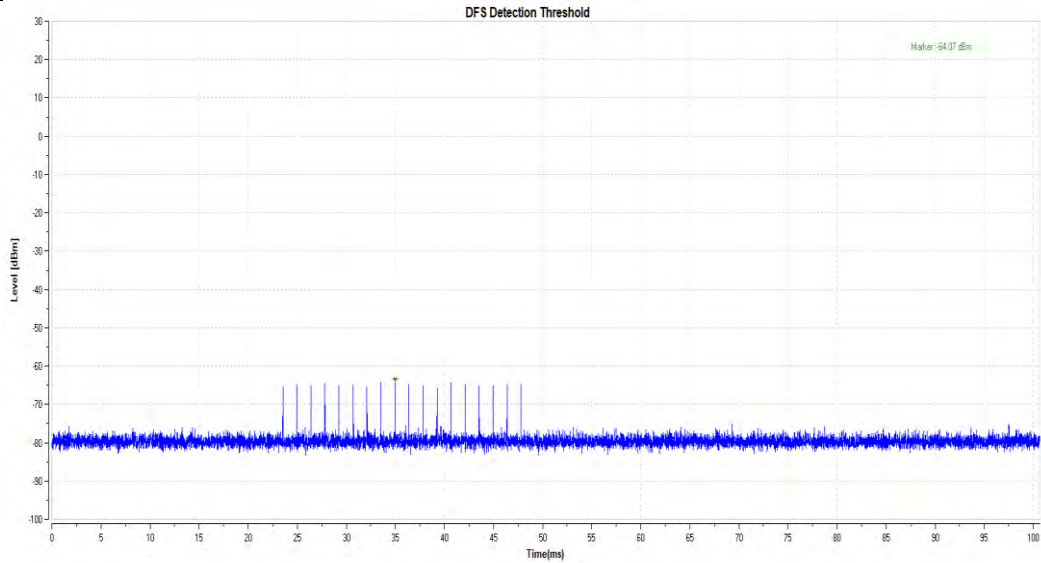
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### 4.12.4.1.2 Test Graphs

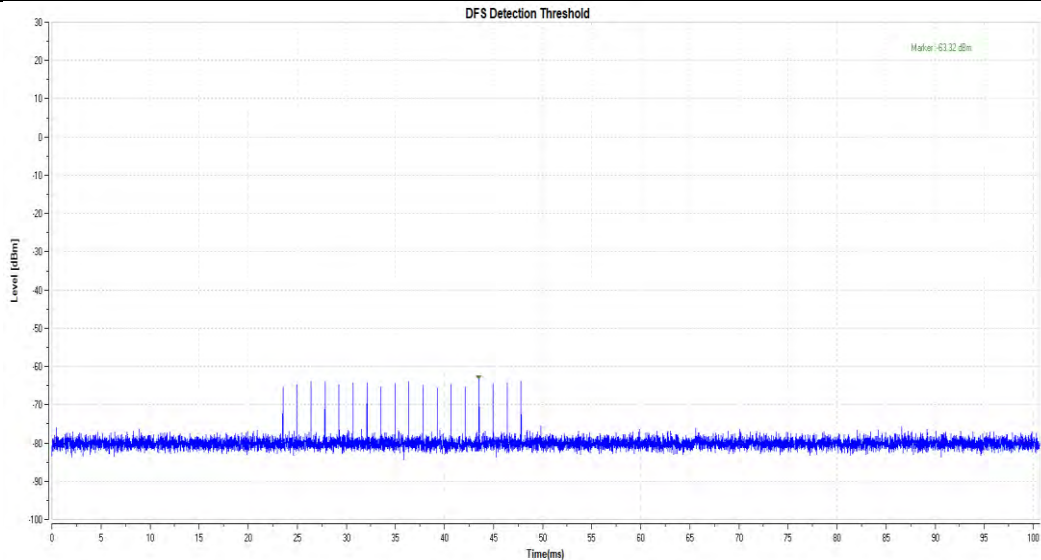


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### 11AC80SISO\_5290\_Type0



### 11AC80SISO\_5530\_Type0



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**4.12.4.2 Channel Move Time and Channel Closing Transmission Time**

**4.12.4.2.1 Test Result**

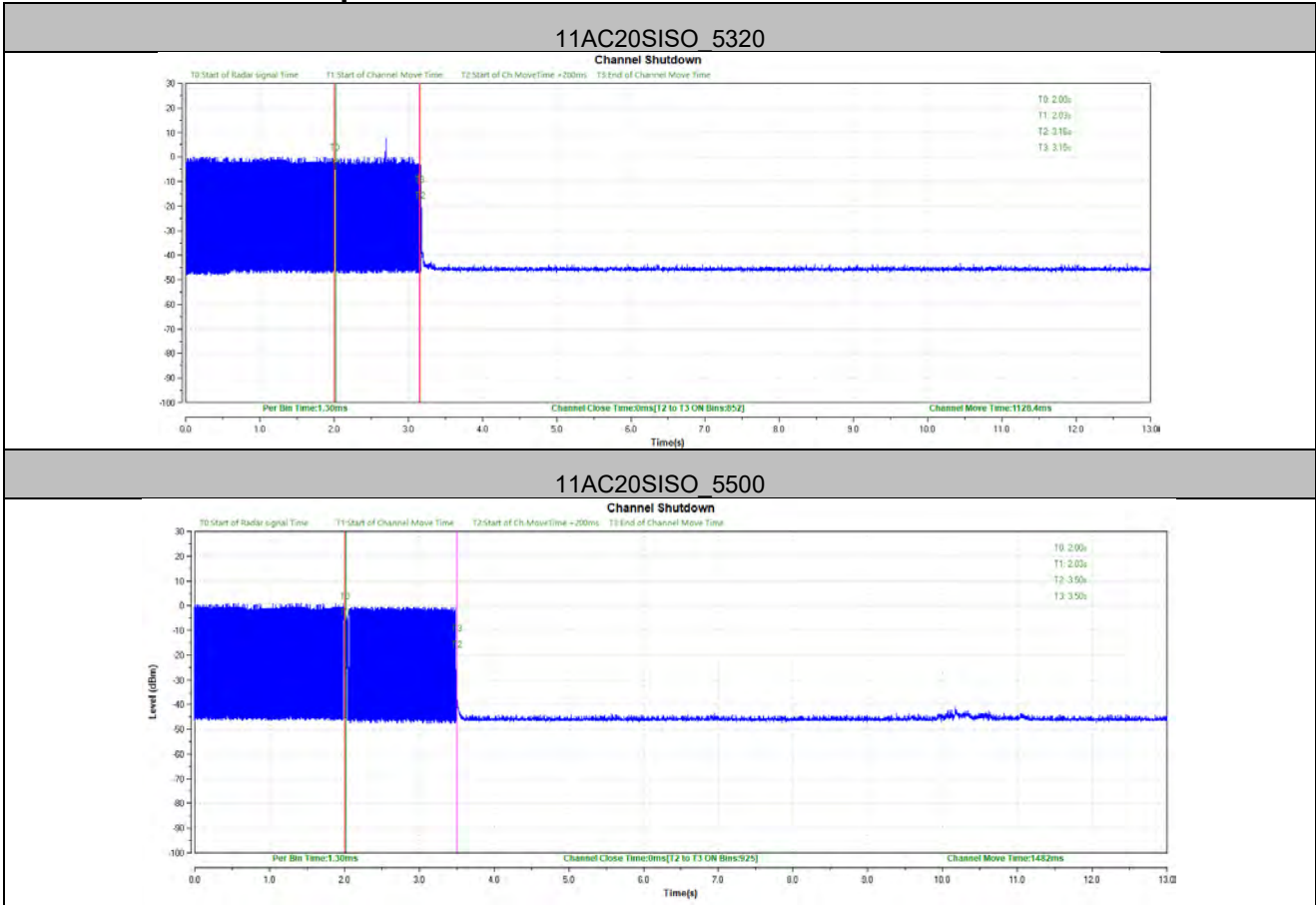
TestMode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5320	0	60	1128.4	10000	PASS
	5500	0	60	1402	10000	PASS
11AC80SISO	5290	0	60	203.8	10000	PASS
	5530	0	60	206.7	10000	PASS



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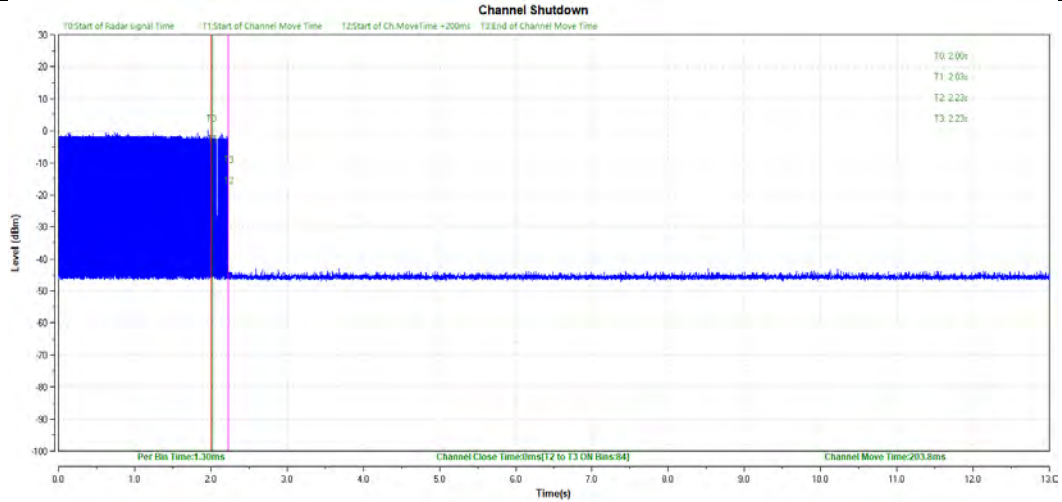
### 4.12.4.2.2 Test Graphs



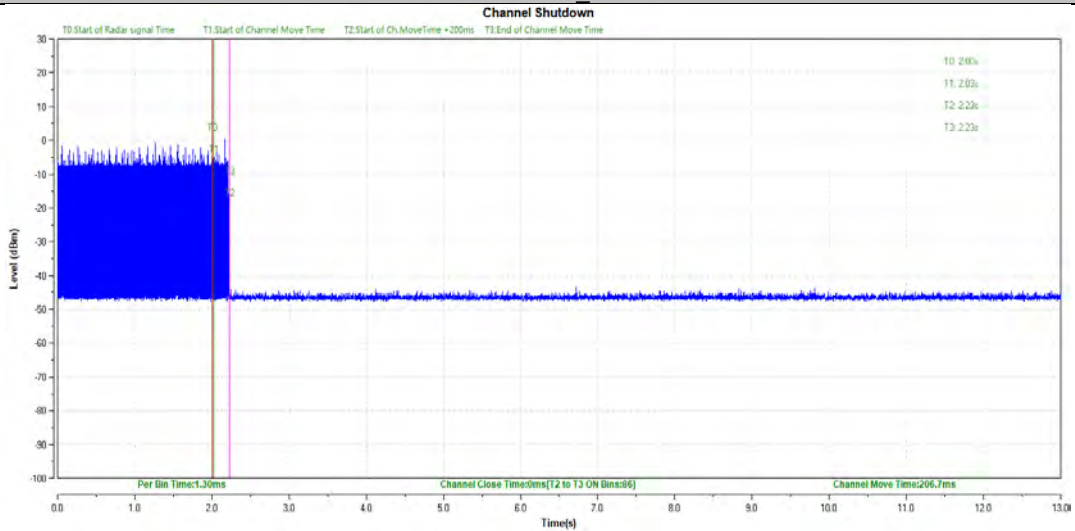
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### 11AC80SISO 5290



### 11AC80SISO 5530



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**4.12.4.3 Non-Occupancy Period**

**4.12.4.3.1 Test Result**

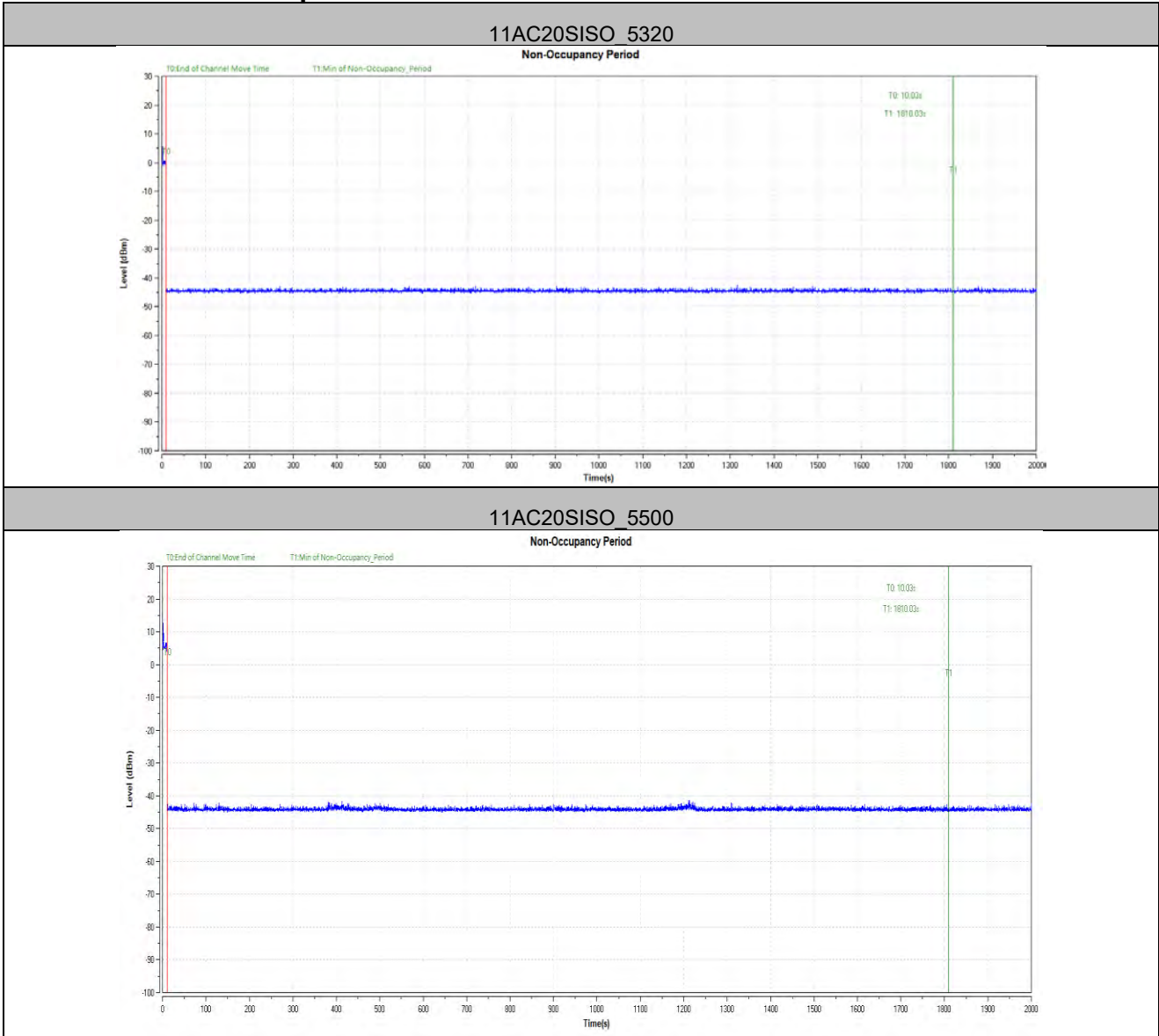
TestMode	Channel	Result	Limit[s]	Verdict
11AC20SISO	5320	see test graph	>=1800	PASS
	5500	see test graph	>=1800	PASS
11AC80SISO	5290	see test graph	>=1800	PASS
	5530	see test graph	>=1800	PASS



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### 4.12.4.3.2 Test Graphs

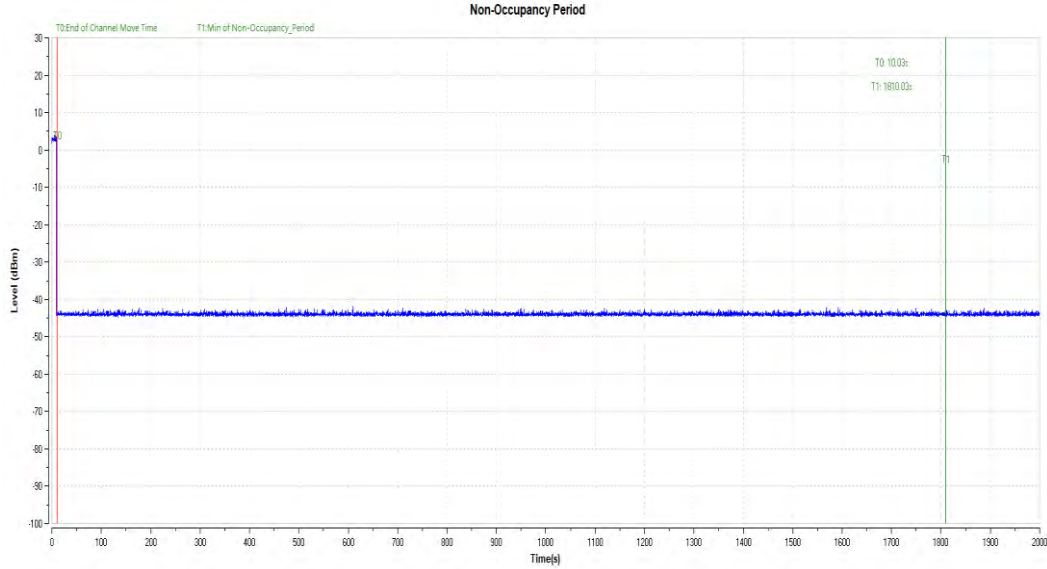


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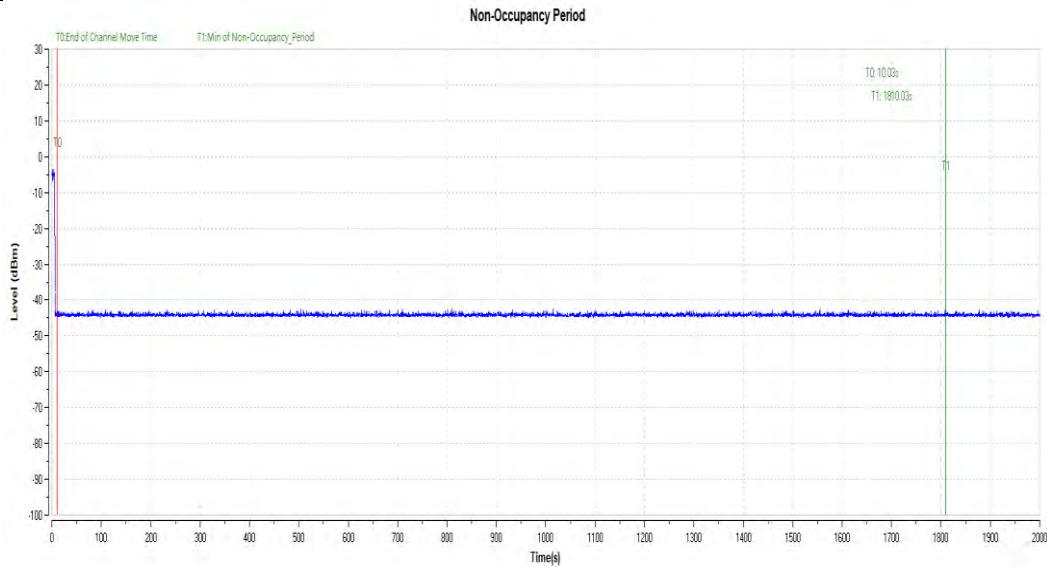
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### 11AC80SISO\_5290



### 11AC80SISO\_5530



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## 5 Measurement Uncertainty (95% confidence levels, k=2)

Lab A:

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Temperature test	±1°C
5	Humidity test	±3%
6	DC and low frequency voltages	±0.5%

Lab B:

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 6GHz)
		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)



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## 6 Equipment List

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2020/7/14	2021/7/14
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2020/3/2	2021/3/1
Coaxial Cable	SGS	N/A	SEM031-01	2020/6/12	2021/6/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2020/7/14	2021/7/14
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2020/10/27	2021/10/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2020/7/14	2021/7/14
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-05	2020-04-12	2021-04-11
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR



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RSE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2020-04-02	2021-04-01
Spectrum Analyzer	Keysight	N9020B	XAW01-11-03	2020-04-15	2021-04-14
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-05	2020-04-12	2021-04-11
Receiving antenna (30MHz-3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Filter bank	Tonscend	JS0806-F	XAW03-05-01	NCR	NCR
Filter bank	Tonscend	JS0806s	XAW03-05-02	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2020-10-27	2021-10-26
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2020-10-26	2021-10-25
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR

## 7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of Set-Up for AR/2020/C0004.



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# Appendix



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**26db Emission Bandwidth**  
**Test Result**

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.830	5168.630	5191.460	---	PASS
		5200	22.860	5188.690	5211.550	---	PASS
		5240	22.920	5228.630	5251.550	---	PASS
		5260	23.250	5248.630	5271.880	---	PASS
		5300	24.180	5288.240	5312.420	---	PASS
		5320	23.970	5308.540	5332.510	---	PASS
		5500	23.820	5488.570	5512.390	---	PASS
		5580	22.680	5568.960	5591.640	---	PASS
		5700	23.490	5688.840	5712.330	---	PASS
		5745	21.720	5734.200	5755.920	---	PASS
		5785	21.870	5774.110	5795.980	---	PASS
		5825	21.660	5814.230	5835.890	---	PASS
11N20SISO	Ant1	5180	23.460	5168.480	5191.940	---	PASS
		5200	23.640	5188.450	5212.090	---	PASS
		5240	23.460	5228.360	5251.820	---	PASS
		5260	23.340	5248.480	5271.820	---	PASS
		5300	24.450	5288.570	5313.020	---	PASS
		5320	24.570	5308.360	5332.930	---	PASS
		5500	28.650	5486.320	5514.970	---	PASS
		5580	23.460	5568.540	5592.000	---	PASS
		5700	24.450	5688.480	5712.930	---	PASS
		5745	22.890	5733.690	5756.580	---	PASS
		5785	22.980	5773.660	5796.640	---	PASS
		5825	23.100	5813.720	5836.820	---	PASS
11N40SISO	Ant1	5190	41.700	5169.360	5211.060	---	PASS
		5230	41.460	5209.300	5250.760	---	PASS
		5270	41.760	5249.300	5291.060	---	PASS
		5310	41.880	5289.240	5331.120	---	PASS
		5510	42.000	5489.060	5531.060	---	PASS
		5550	42.240	5528.880	5571.120	---	PASS



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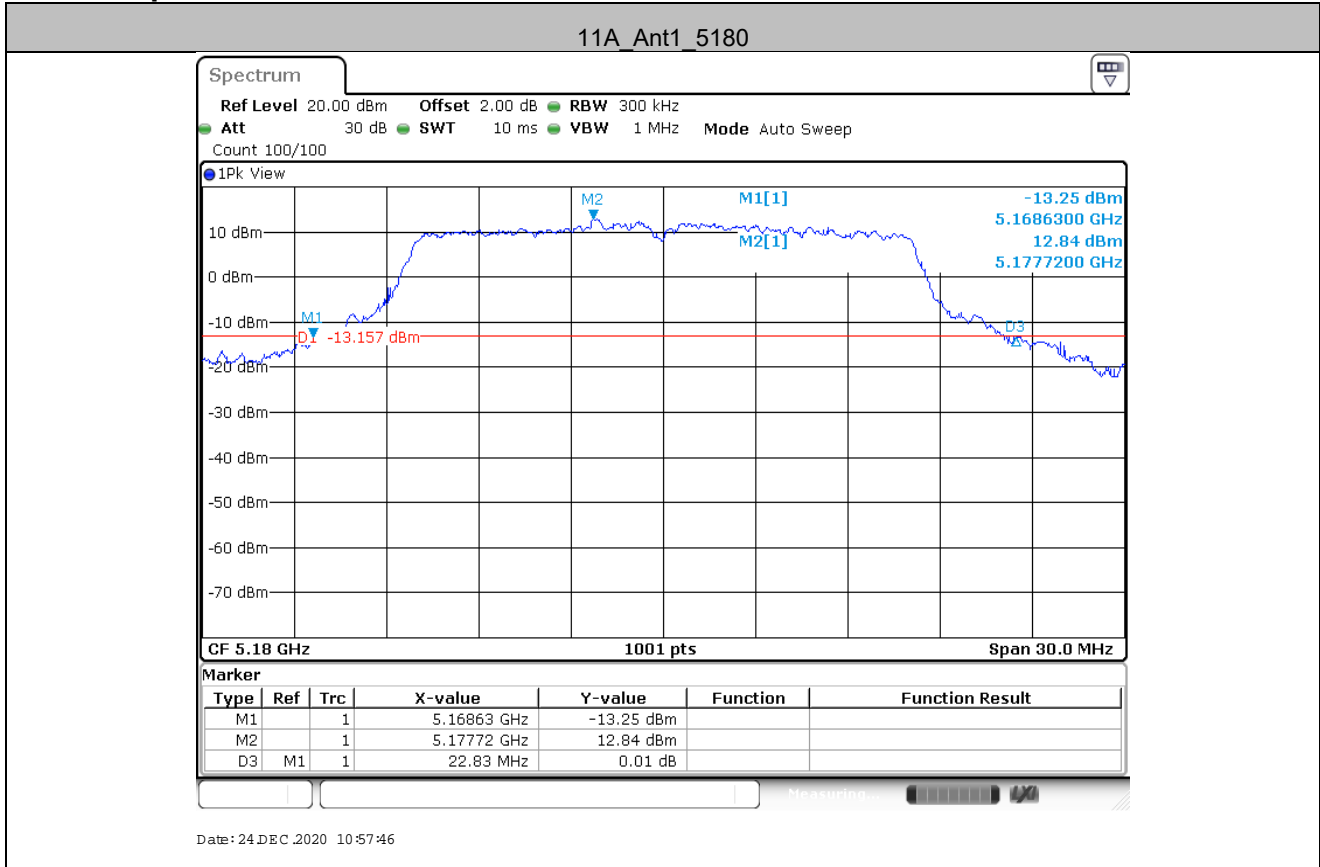


		5670	43.500	5647.560	5691.060	---	PASS
		5755	42.180	5733.580	5775.760	---	PASS
		5795	41.820	5773.880	5815.700	---	PASS
11AC20SISO	Ant1	5180	23.760	5168.060	5191.820	---	PASS
		5200	23.340	5188.450	5211.790	---	PASS
		5240	22.650	5228.720	5251.370	---	PASS
		5260	24.780	5248.390	5273.170	---	PASS
		5300	23.430	5288.540	5311.970	---	PASS
		5320	24.510	5308.390	5332.900	---	PASS
		5500	22.860	5488.600	5511.460	---	PASS
		5580	23.280	5568.510	5591.790	---	PASS
		5700	24.390	5688.510	5712.900	---	PASS
		5745	23.640	5733.060	5756.700	---	PASS
		5745	23.670	5733.270	5756.940	---	PASS
		5785	22.710	5773.660	5796.370	---	PASS
		5825	23.400	5813.510	5836.910	---	PASS
		11AC40SISO	Ant1	5190	41.940	5169.180	5211.120
5230	41.880			5209.240	5251.120	---	PASS
5270	48.240			5243.060	5291.300	---	PASS
5310	51.240			5280.180	5331.420	---	PASS
5510	50.820			5480.420	5531.240	---	PASS
5550	50.700			5520.480	5571.180	---	PASS
5670	45.060			5646.120	5691.180	---	PASS
5755	41.880			5733.820	5775.700	---	PASS
5795	41.820			5773.880	5815.700	---	PASS
11AC80SISO	Ant1	5210	83.400	5168.240	5251.640	---	PASS
		5290	83.040	5248.720	5331.760	---	PASS
		5530	110.520	5471.320	5581.840	---	PASS
		5610	94.440	5562.480	5656.920	---	PASS
		5775	84.240	5732.520	5816.760	---	PASS



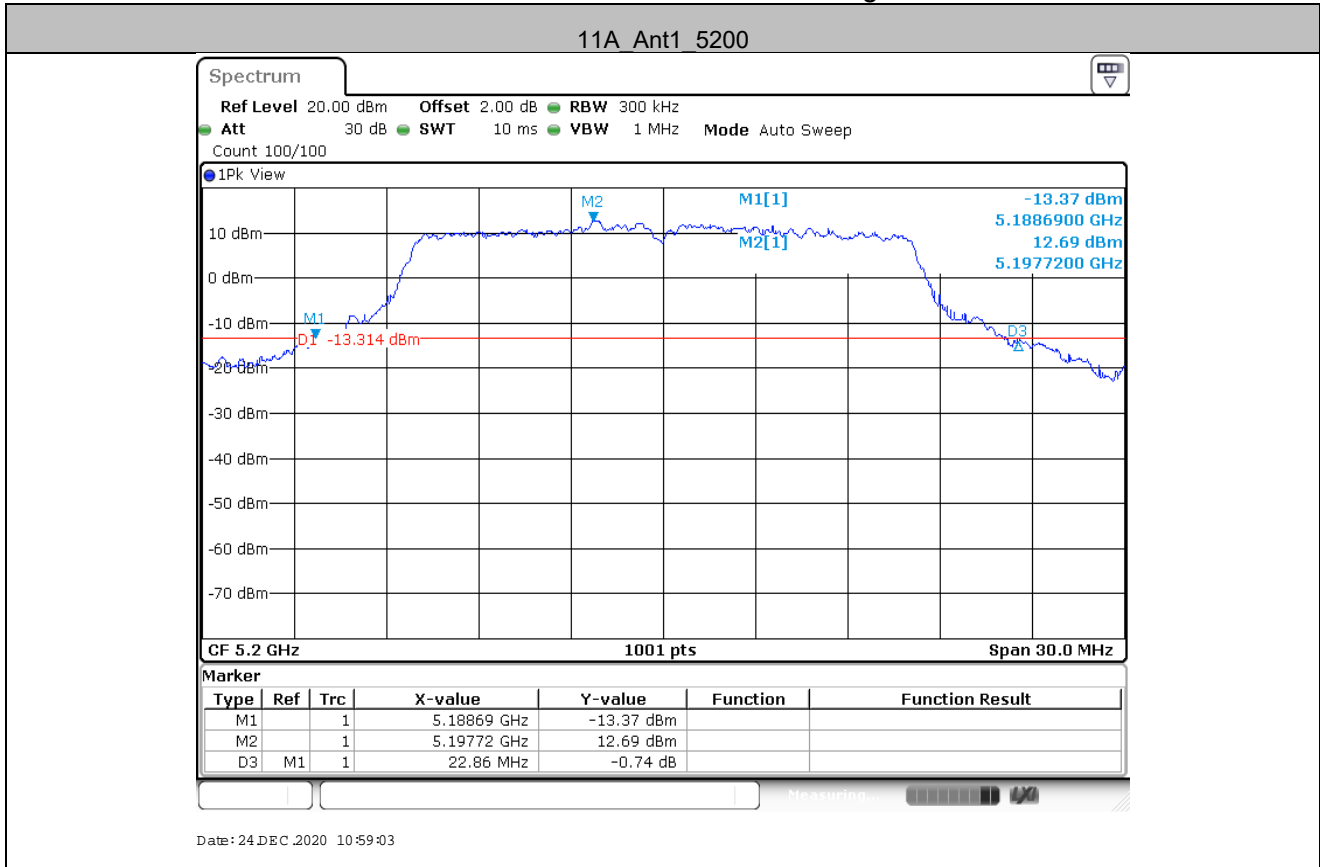
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### Test Graphs



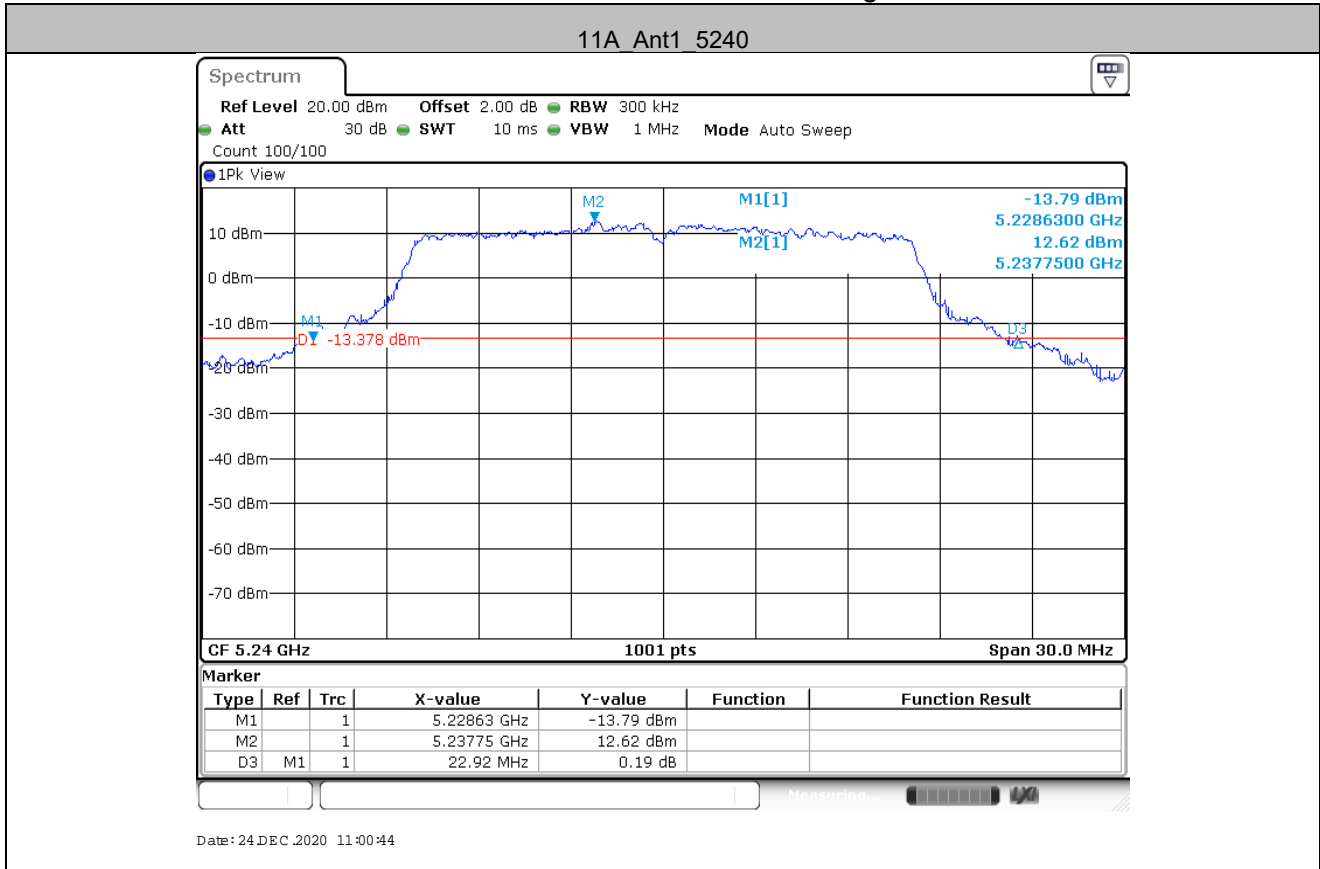
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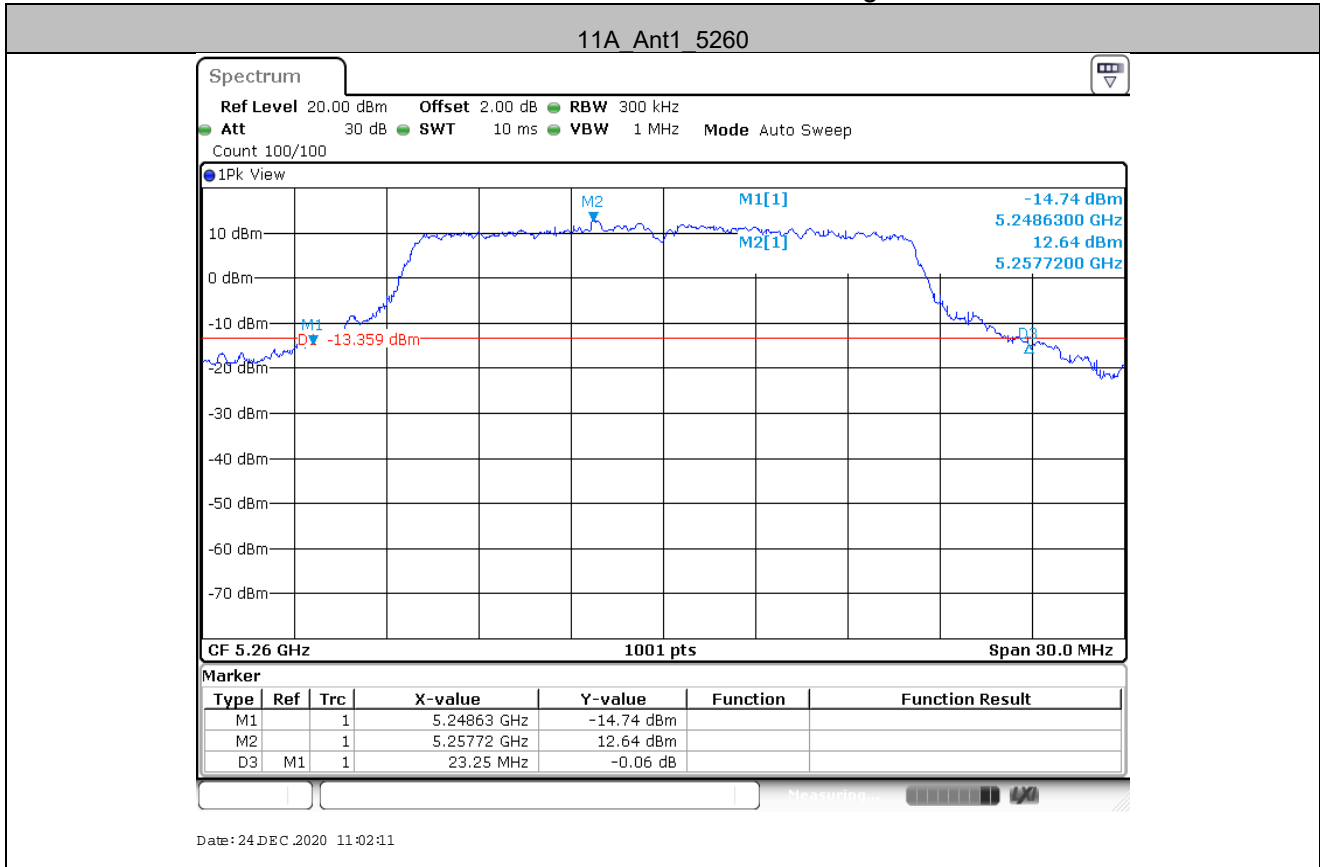
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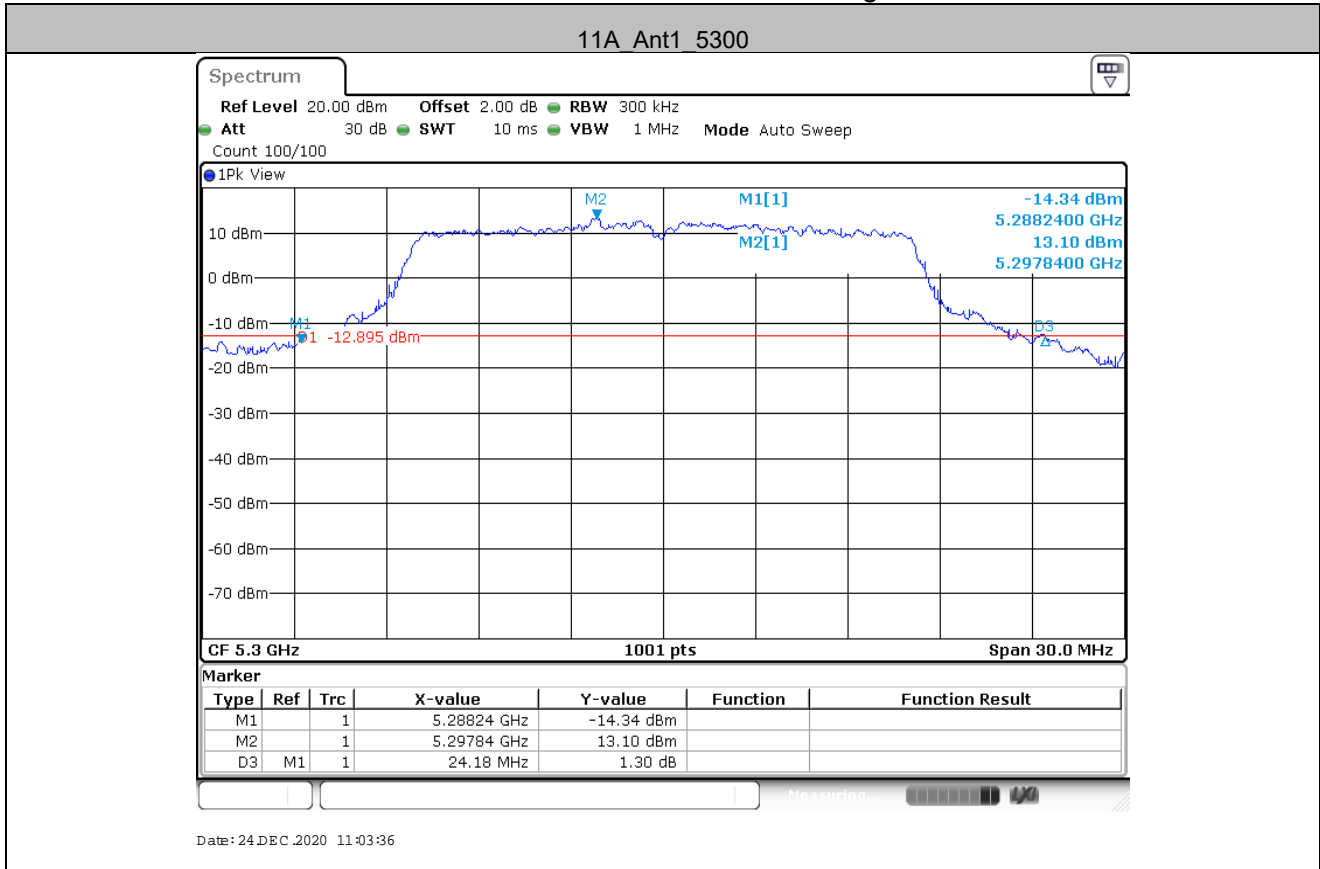
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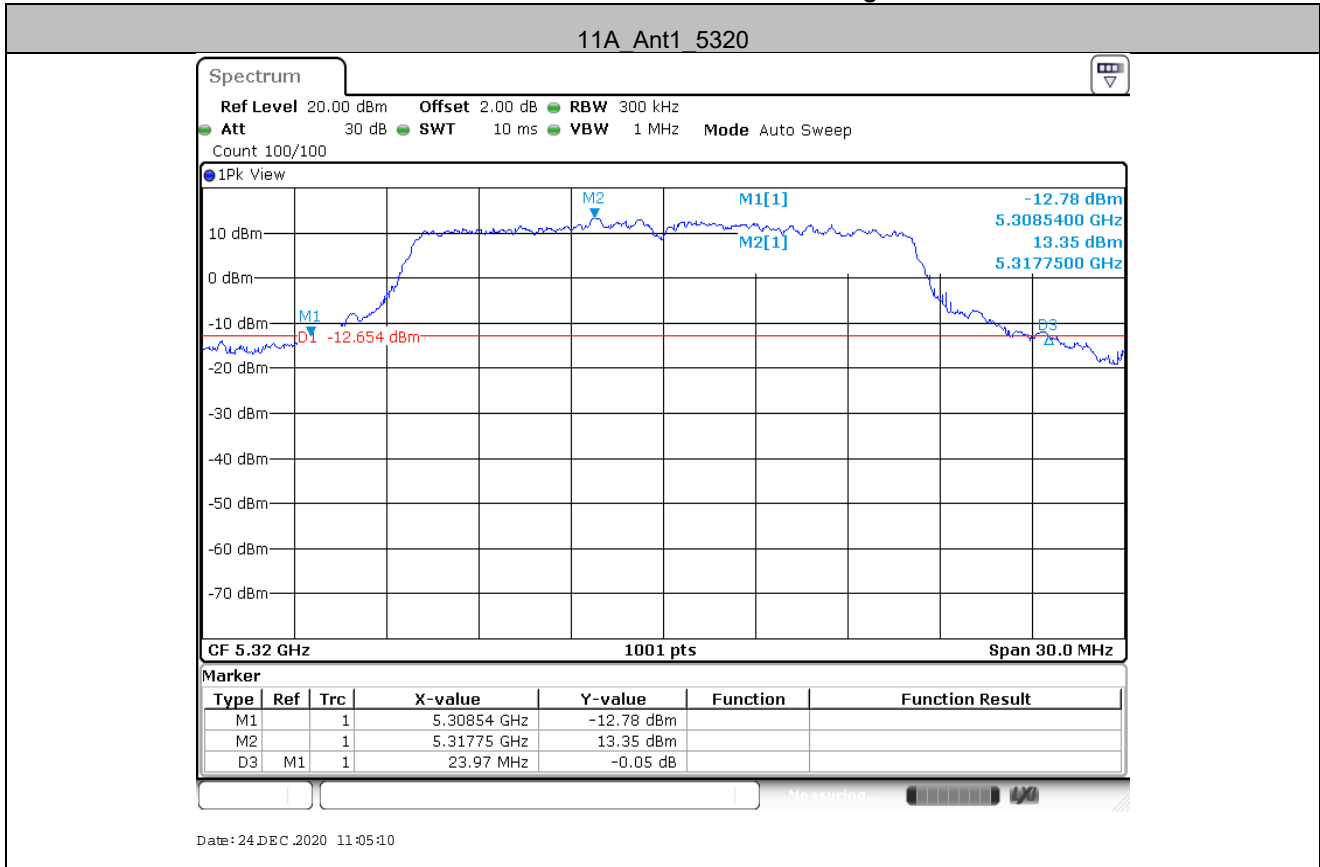
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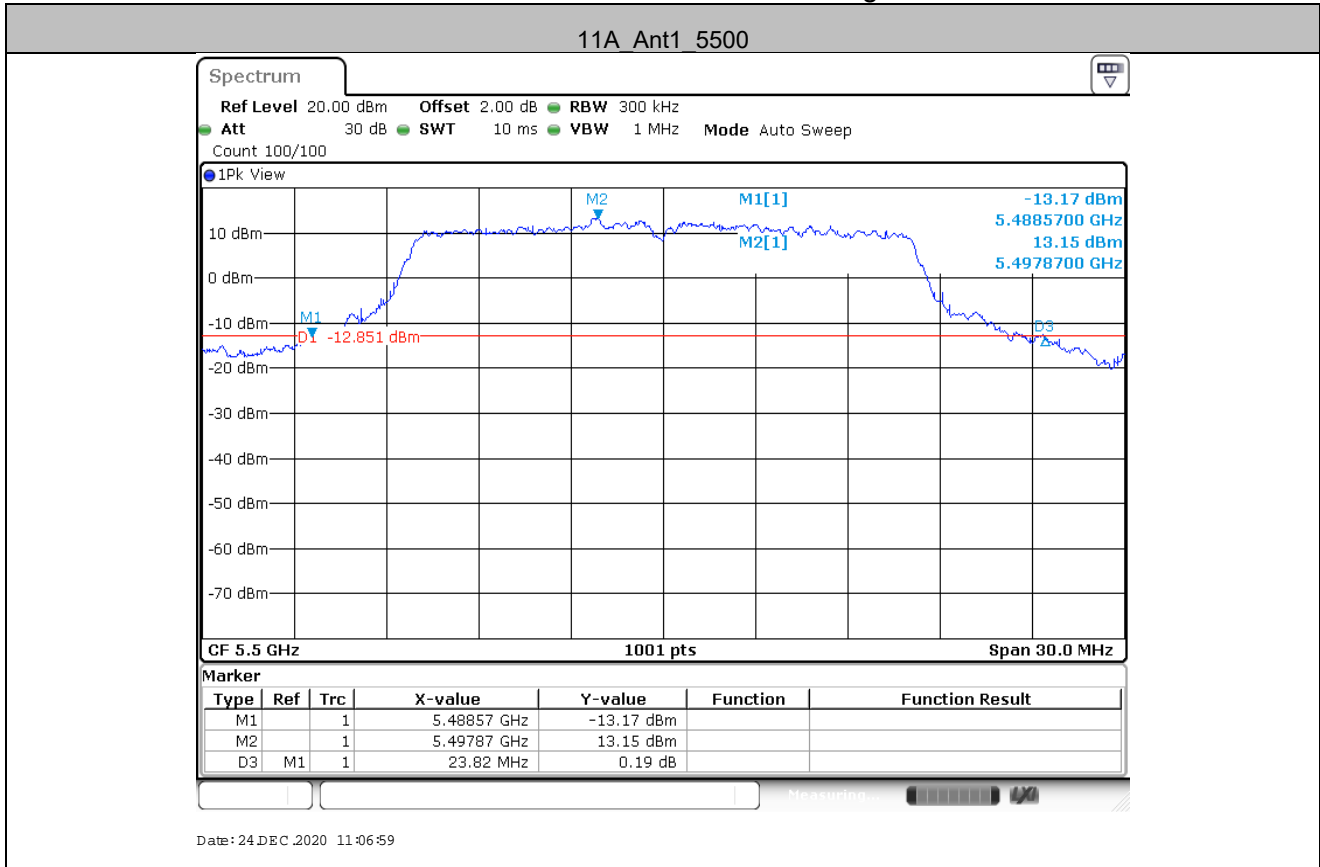
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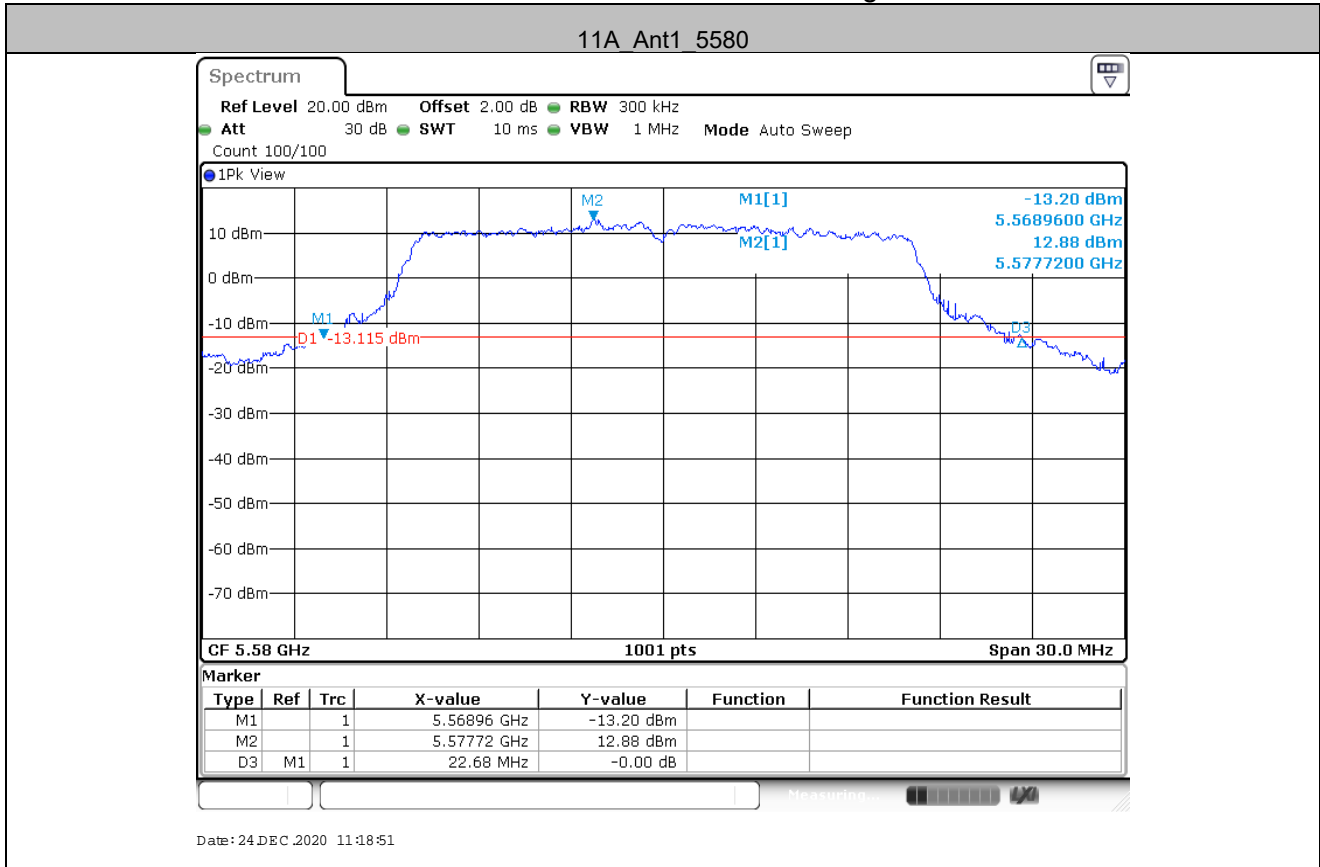
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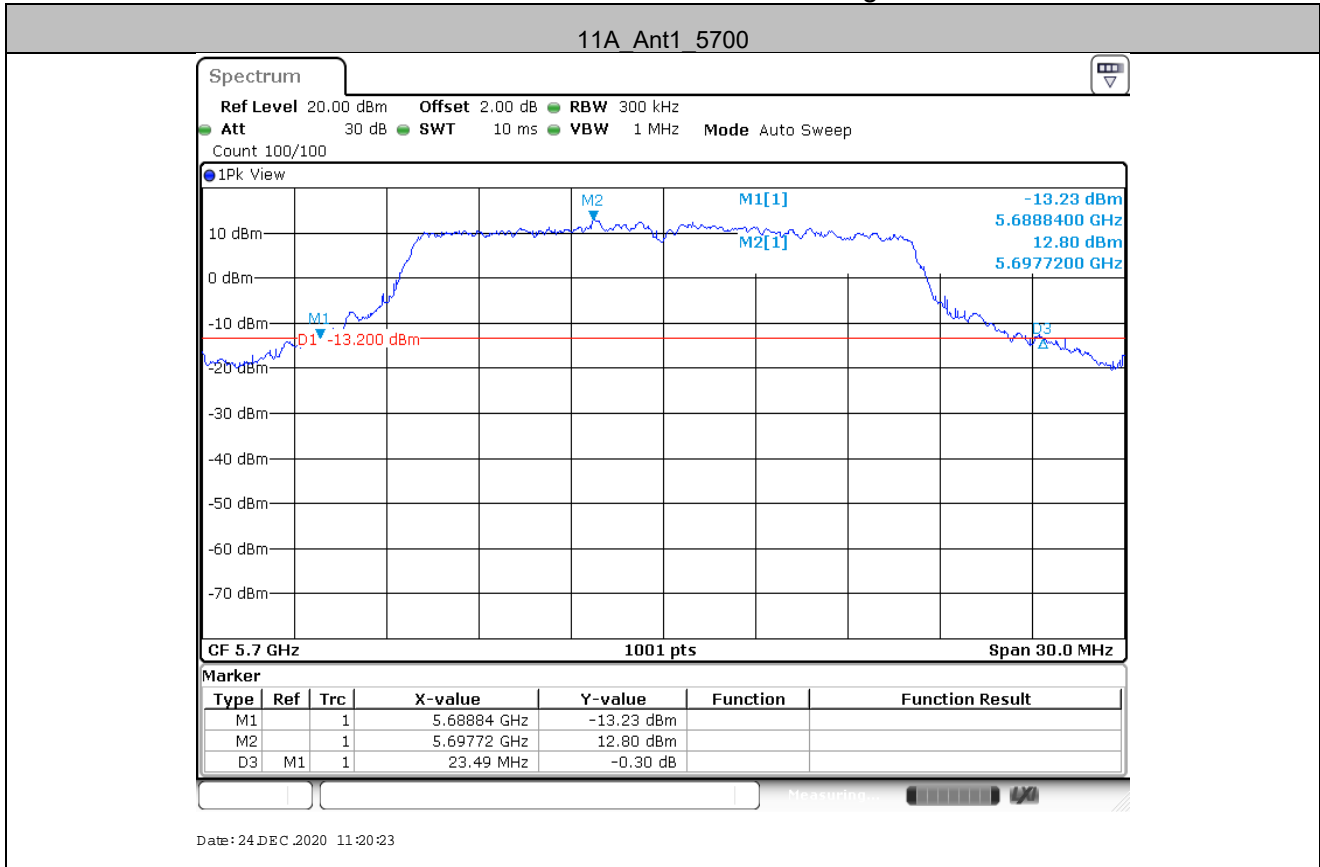
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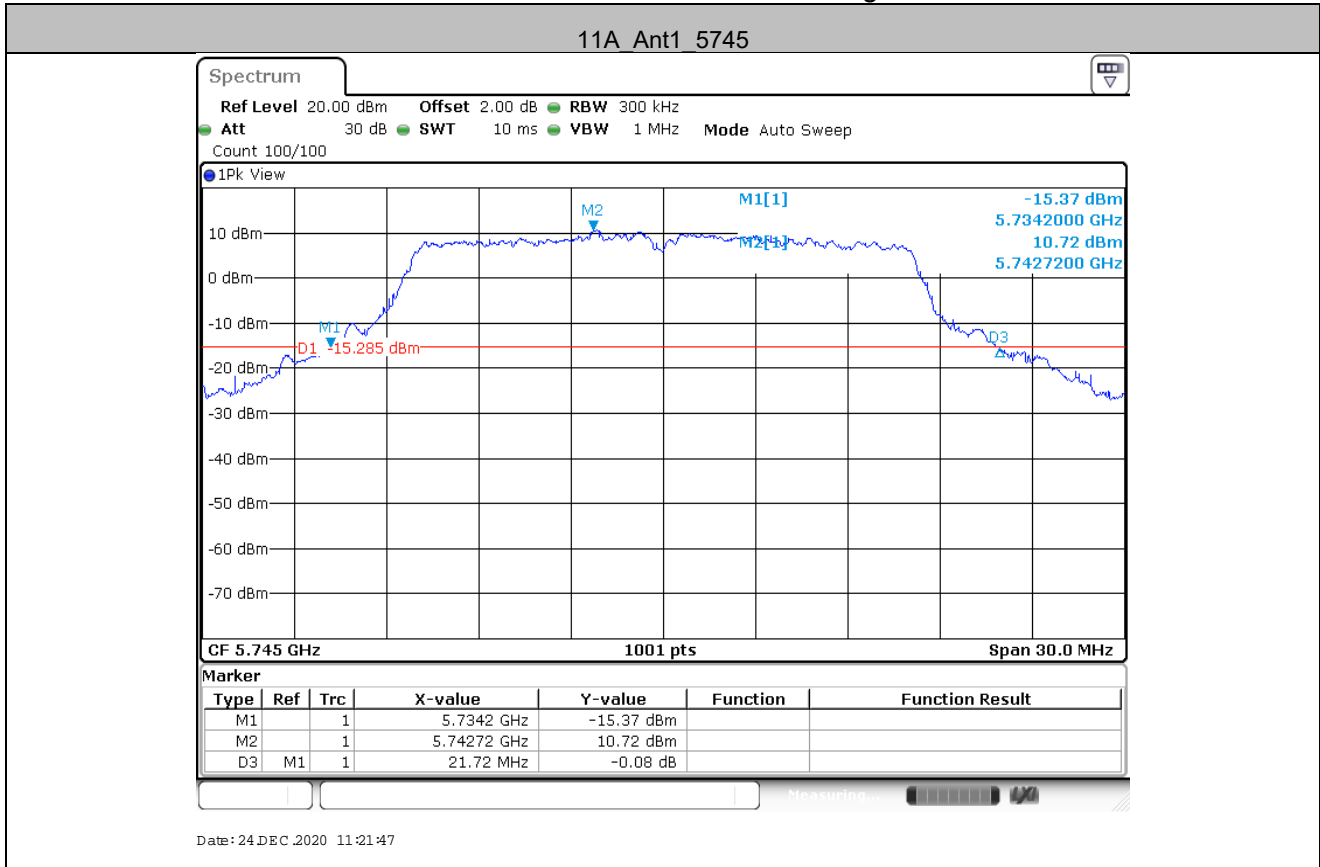


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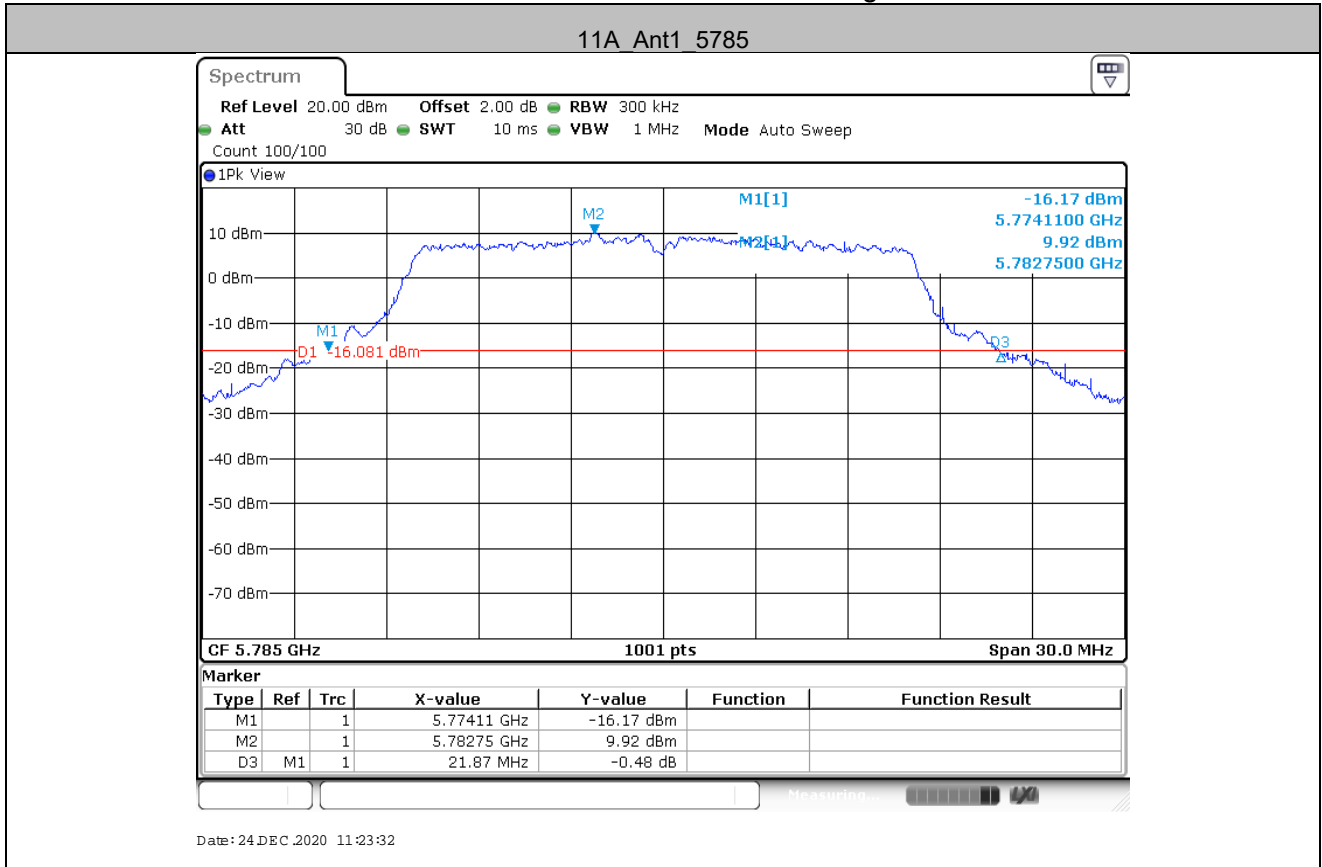
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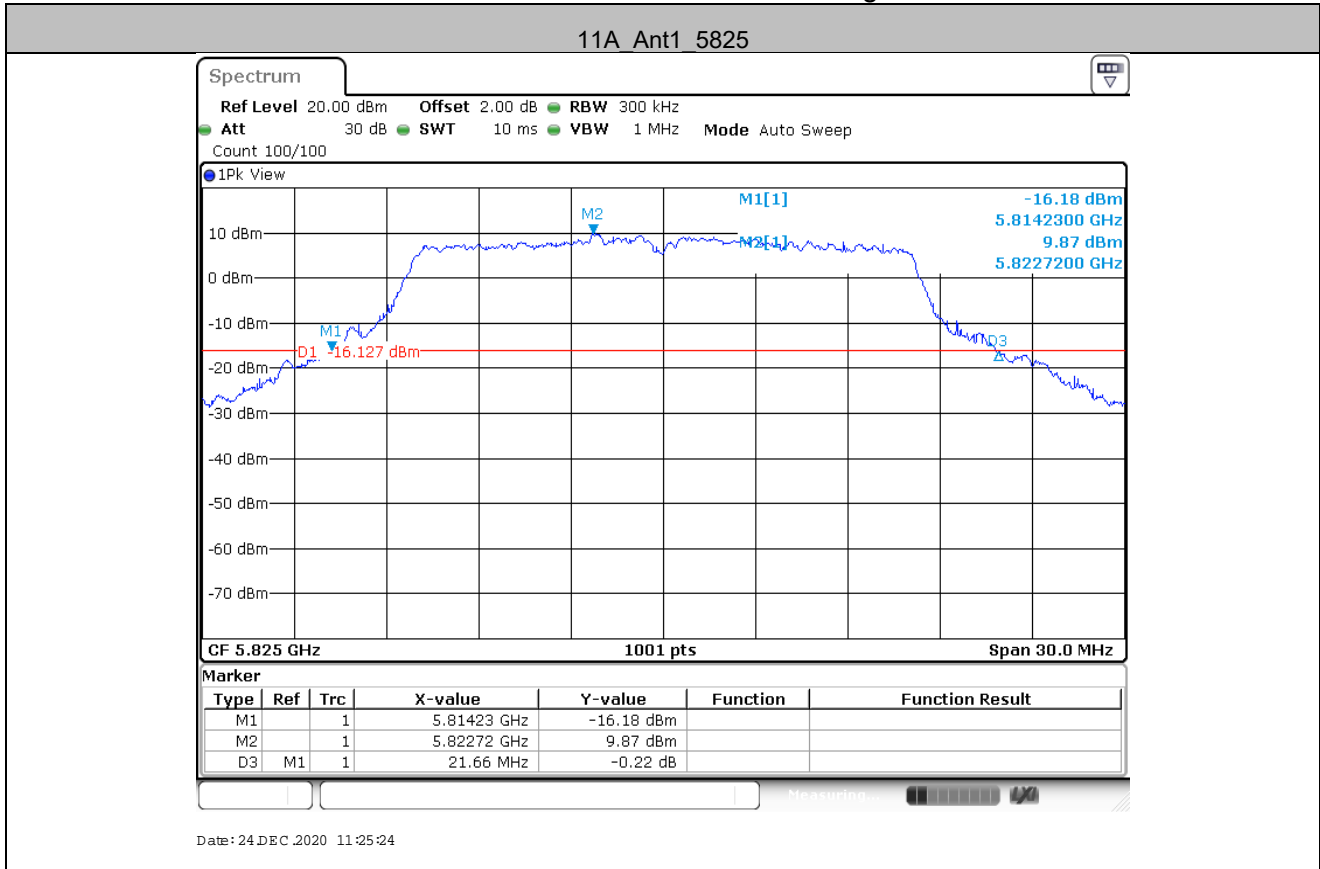


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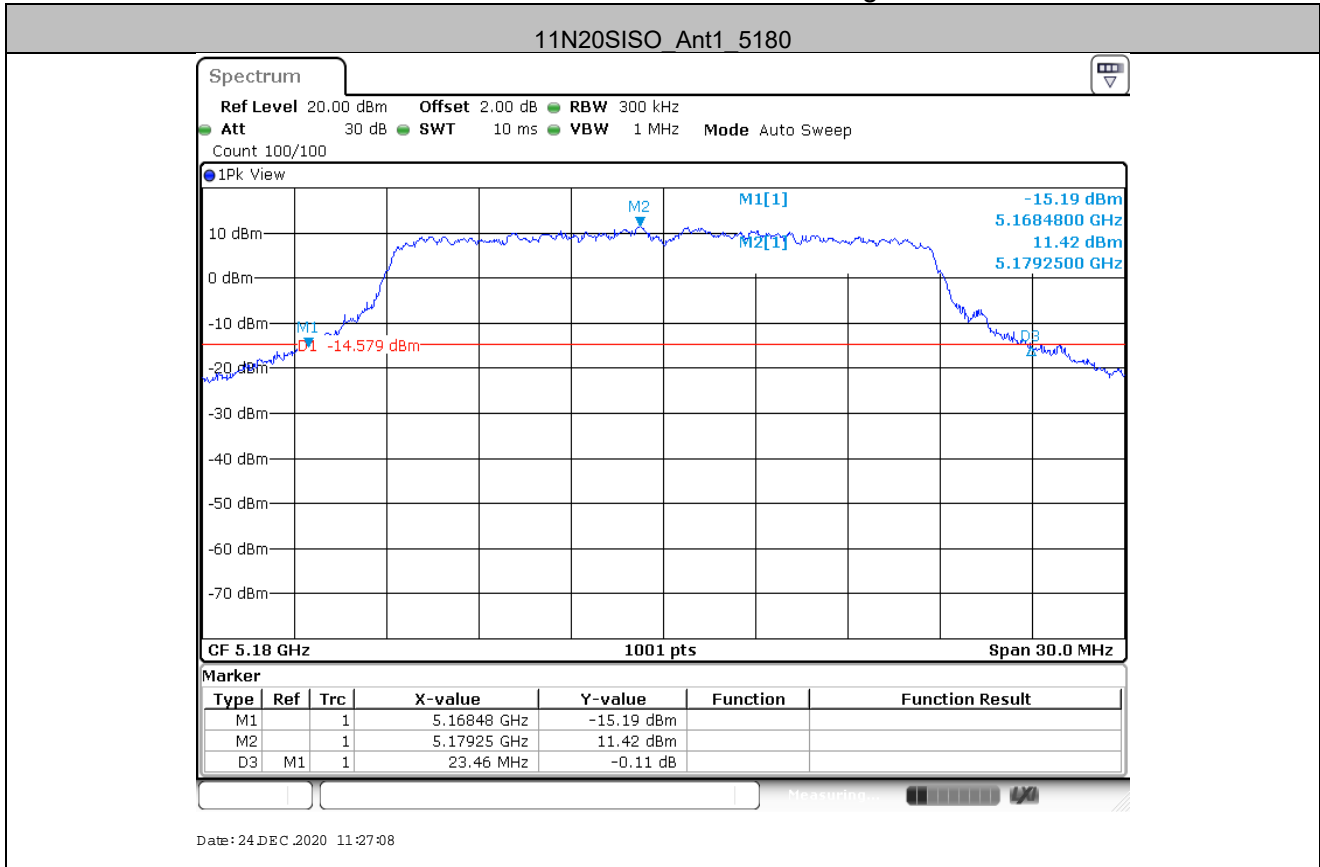
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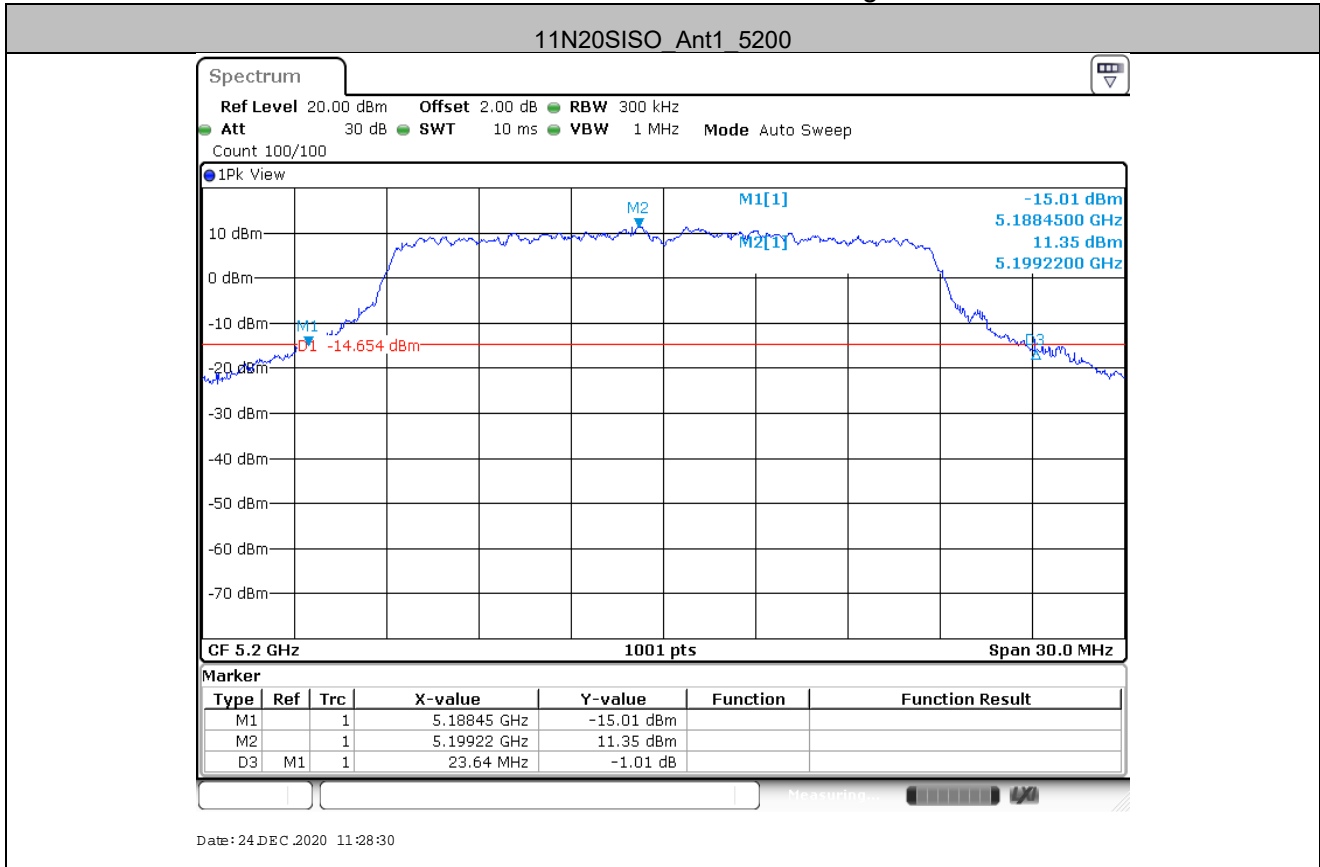


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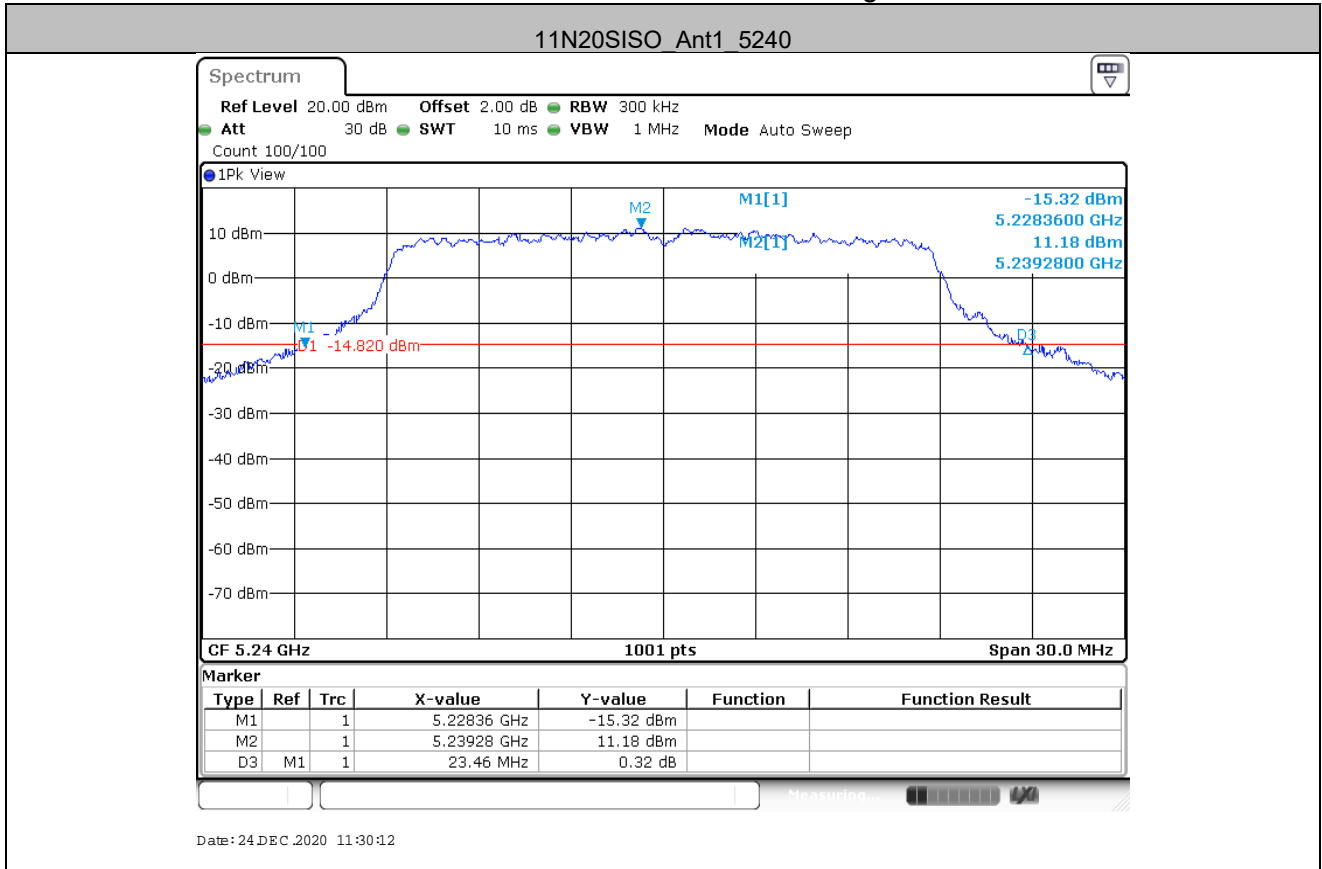


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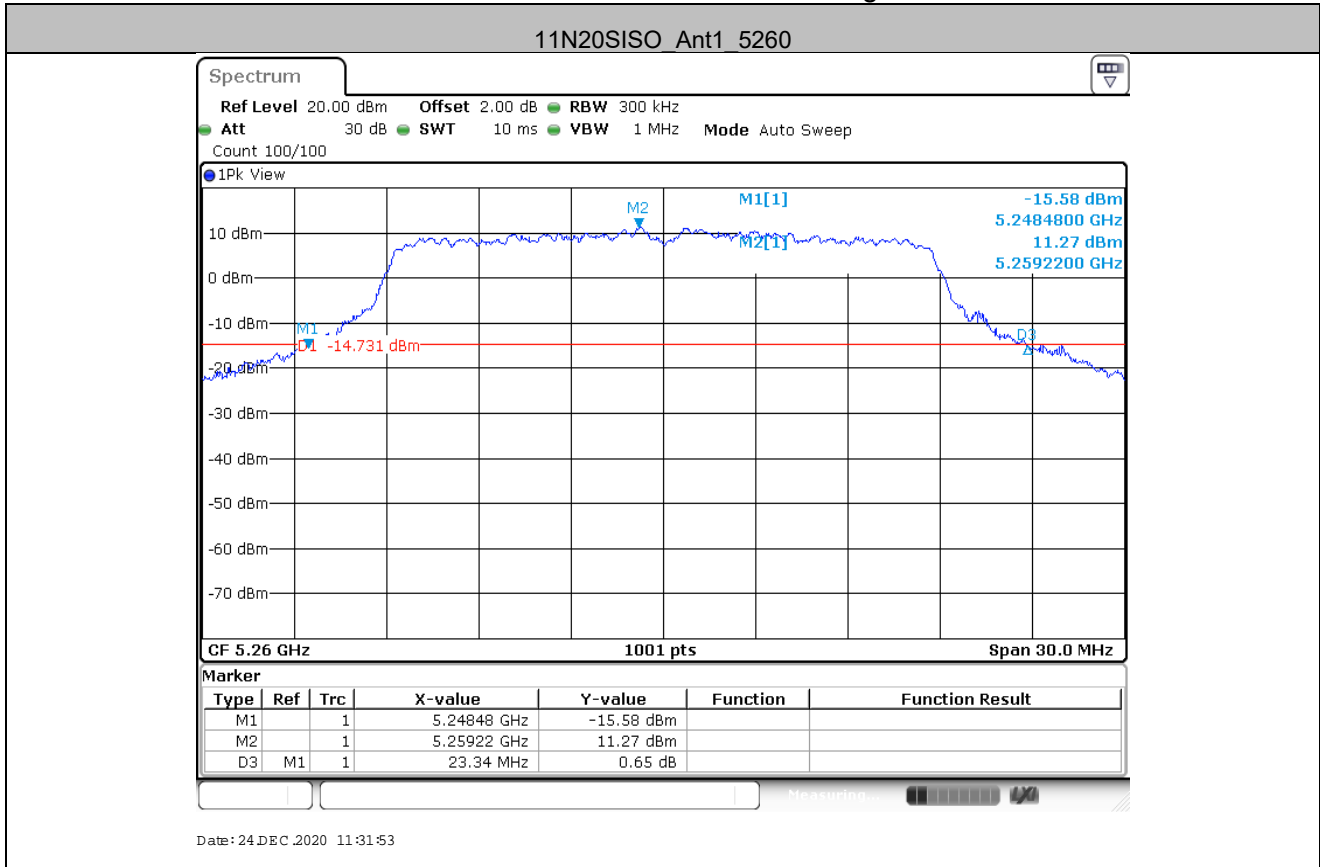


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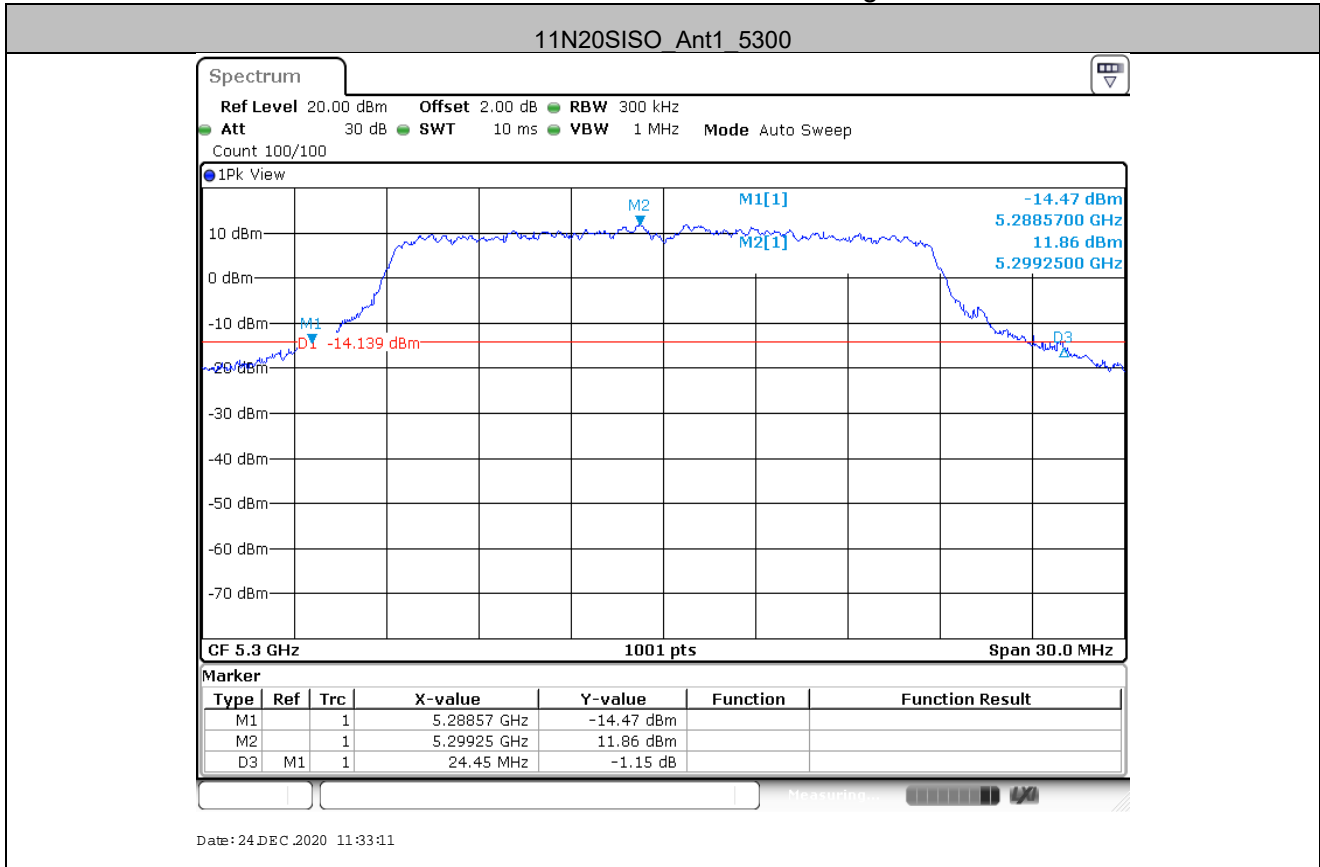


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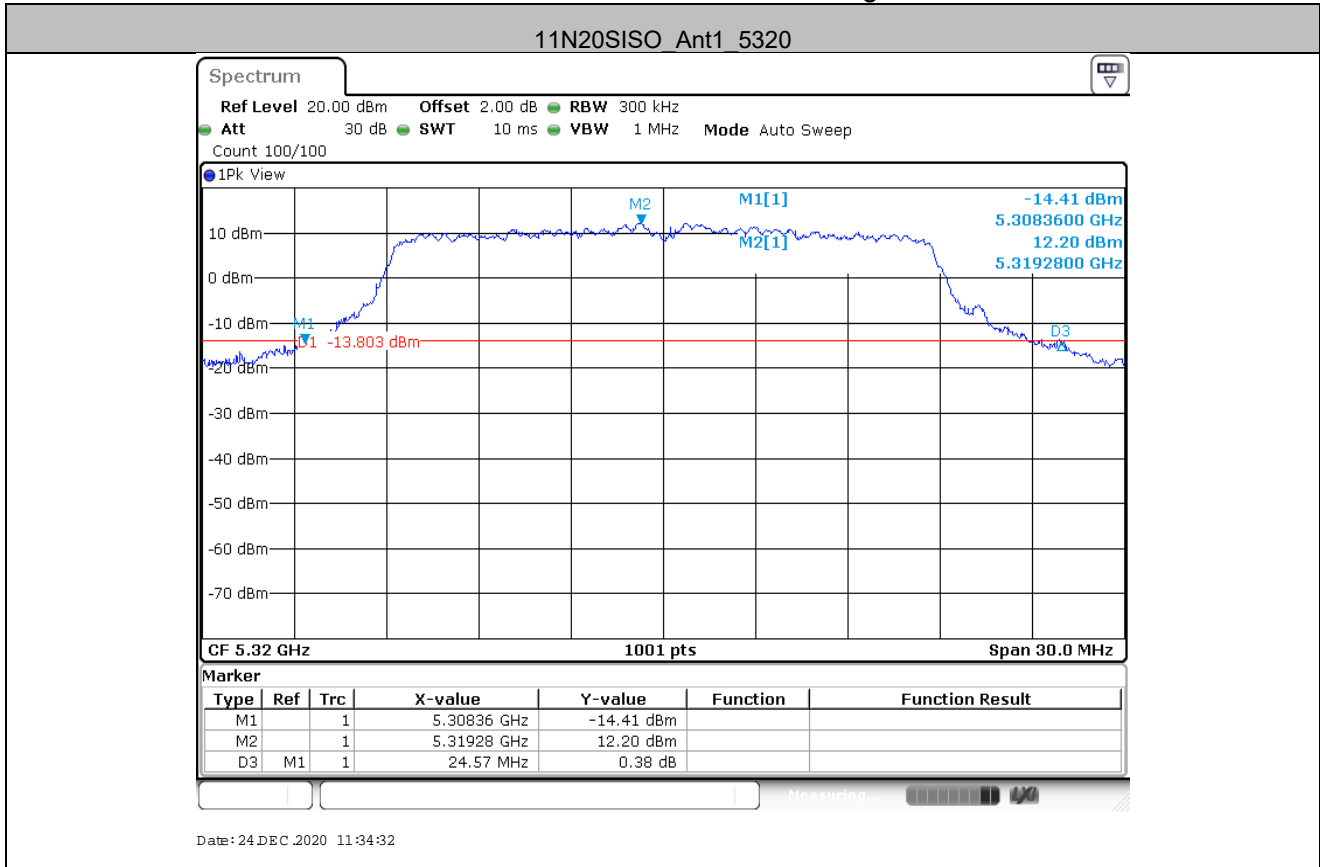


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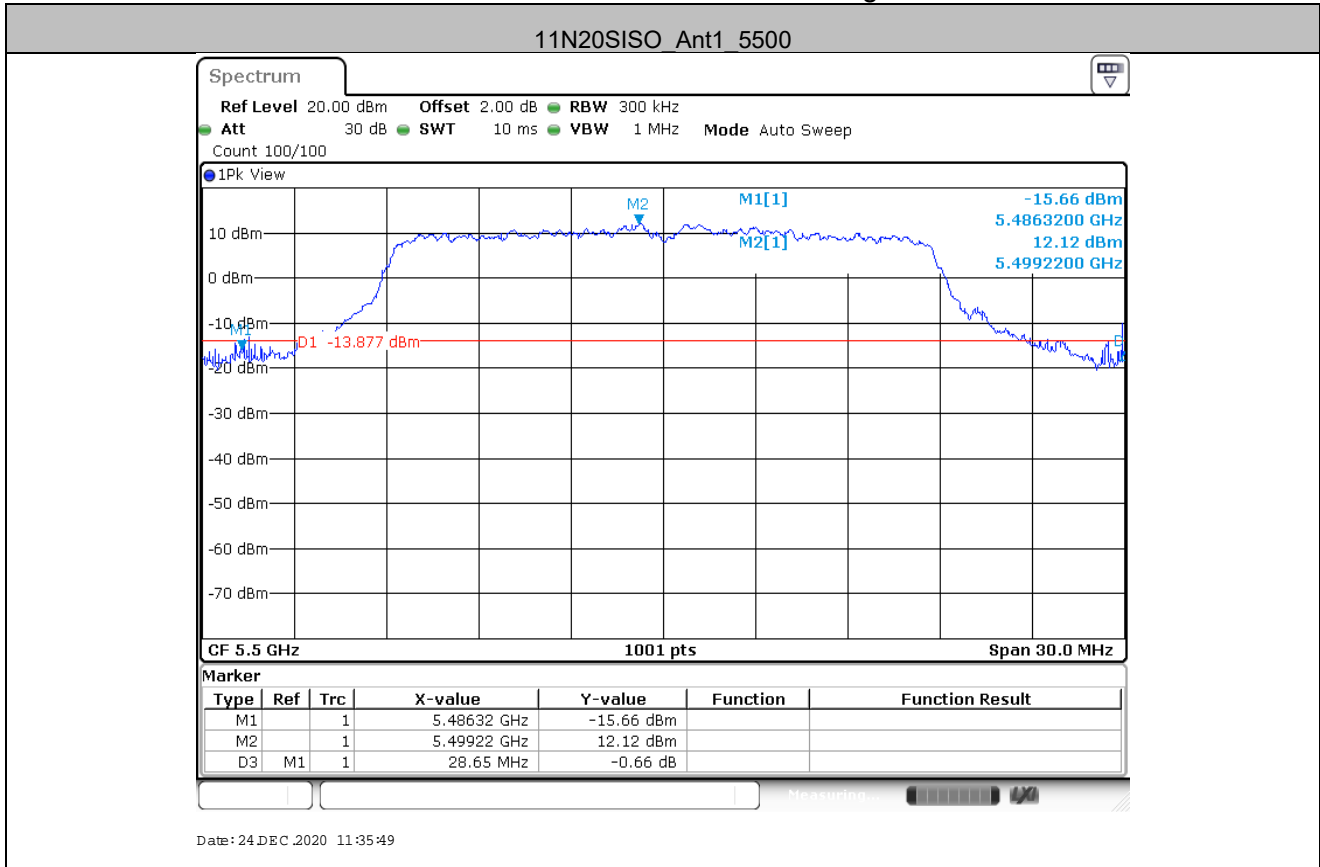


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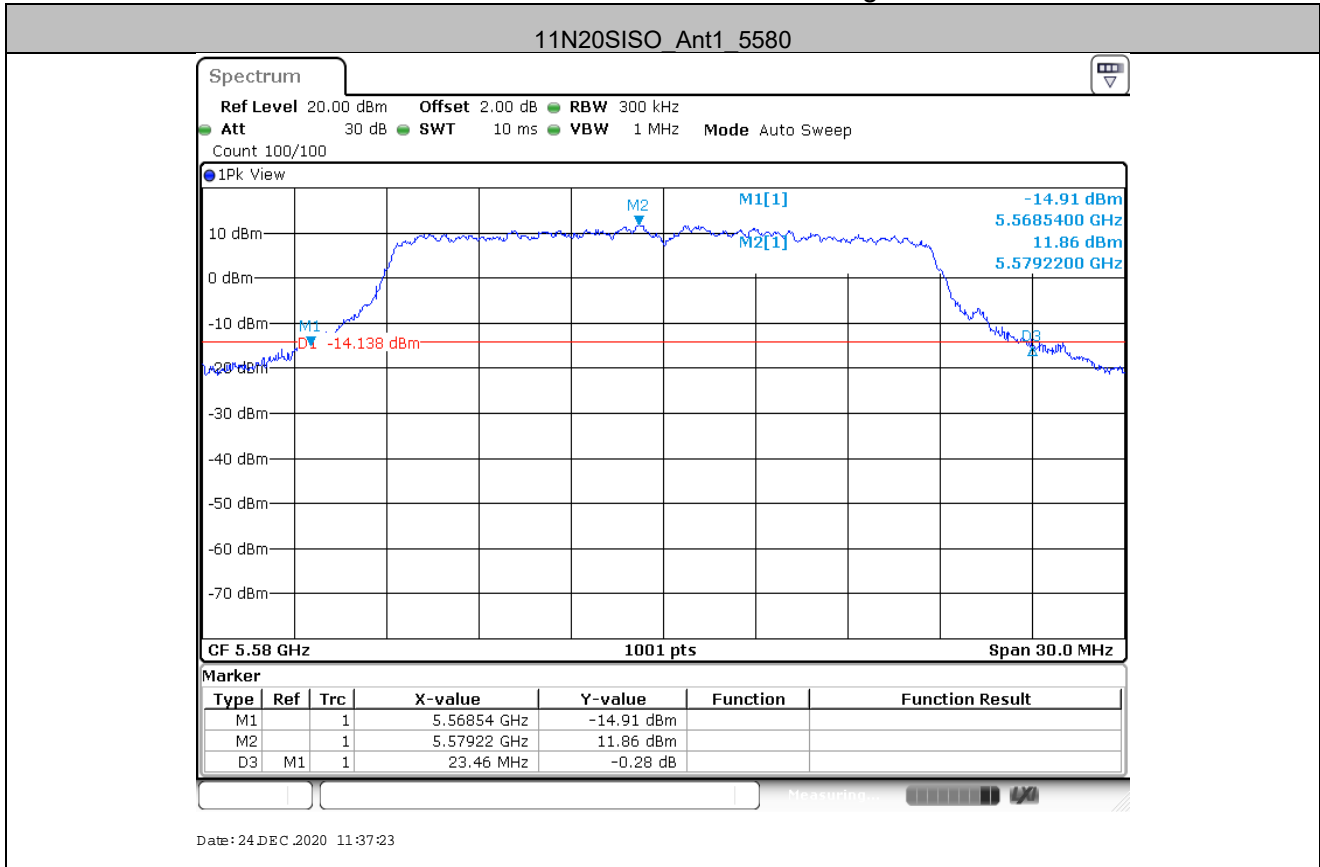
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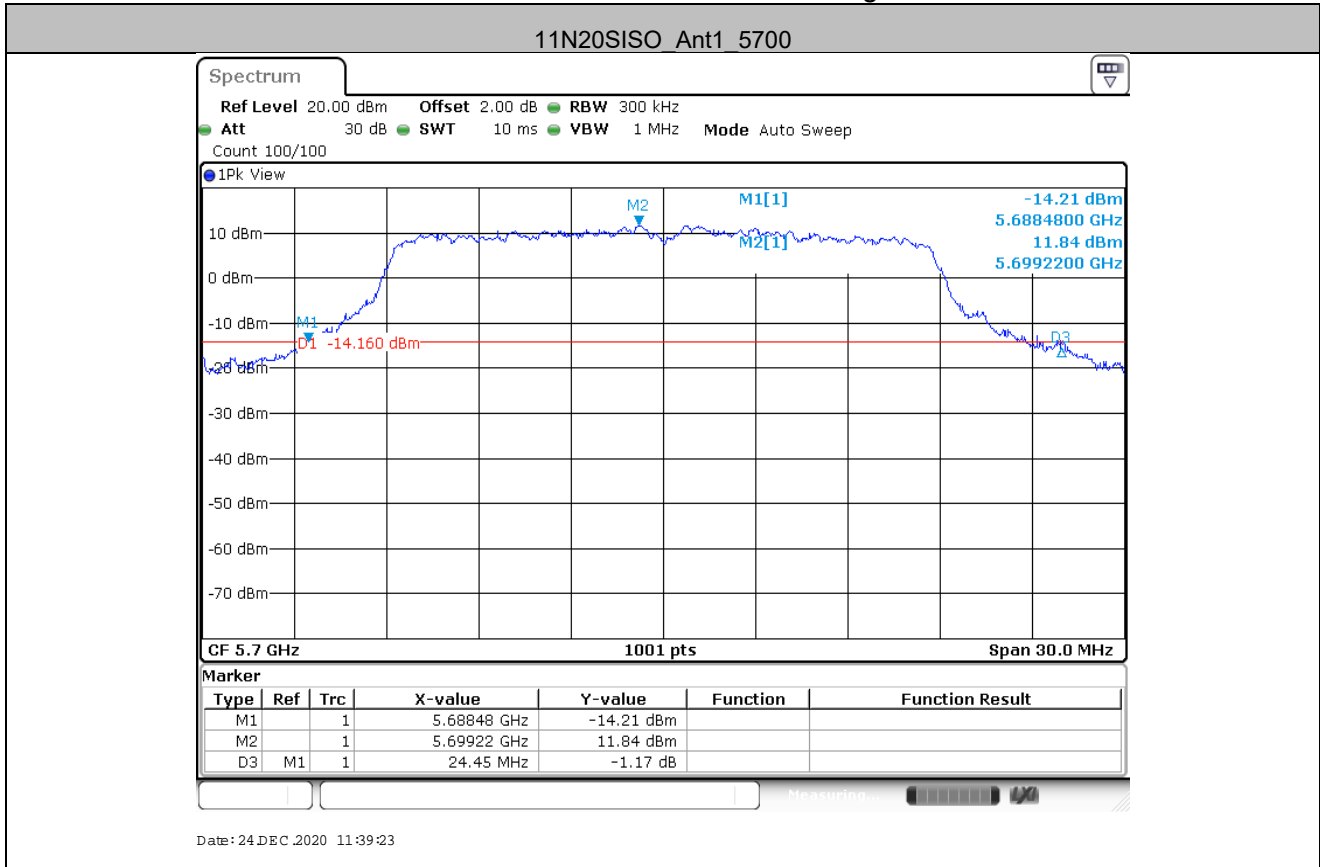
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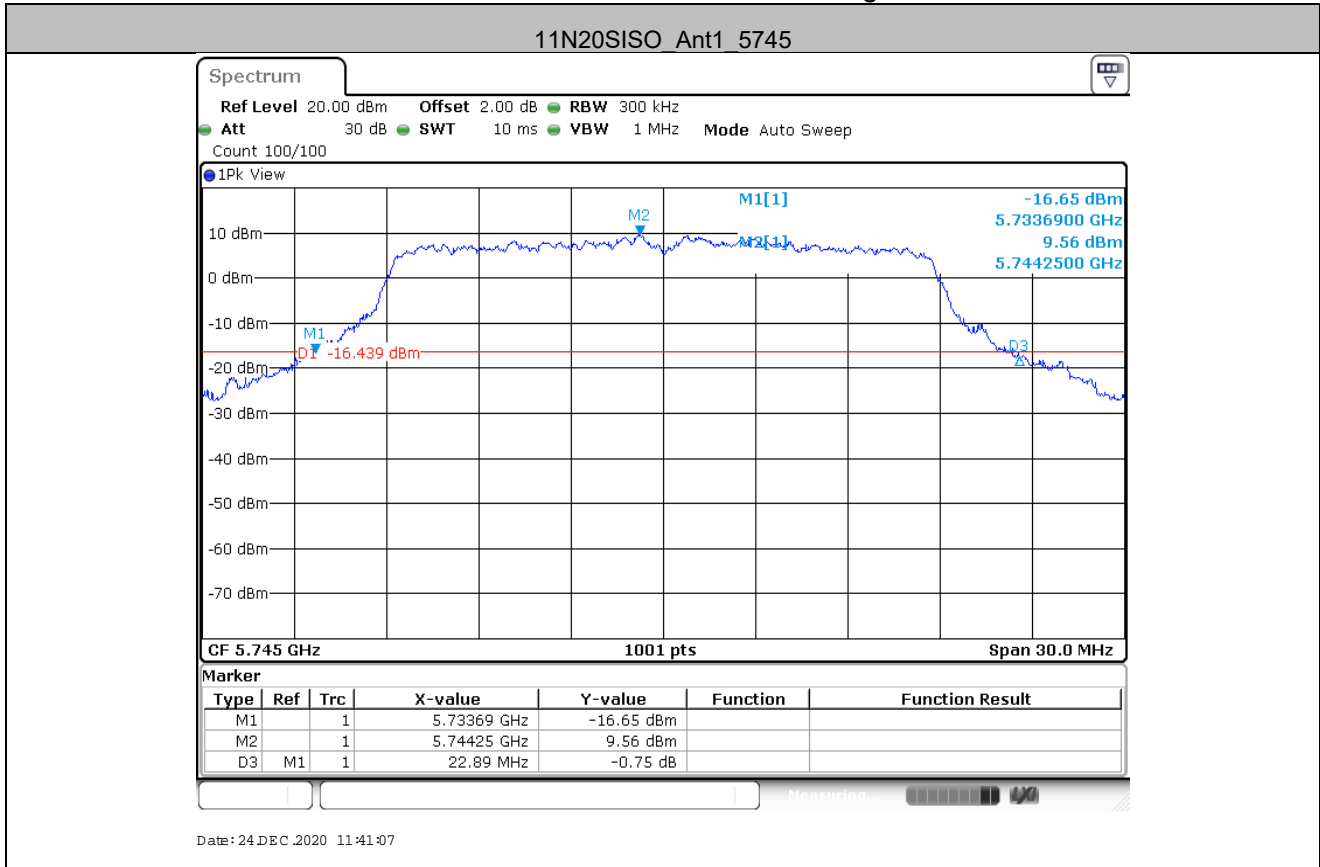


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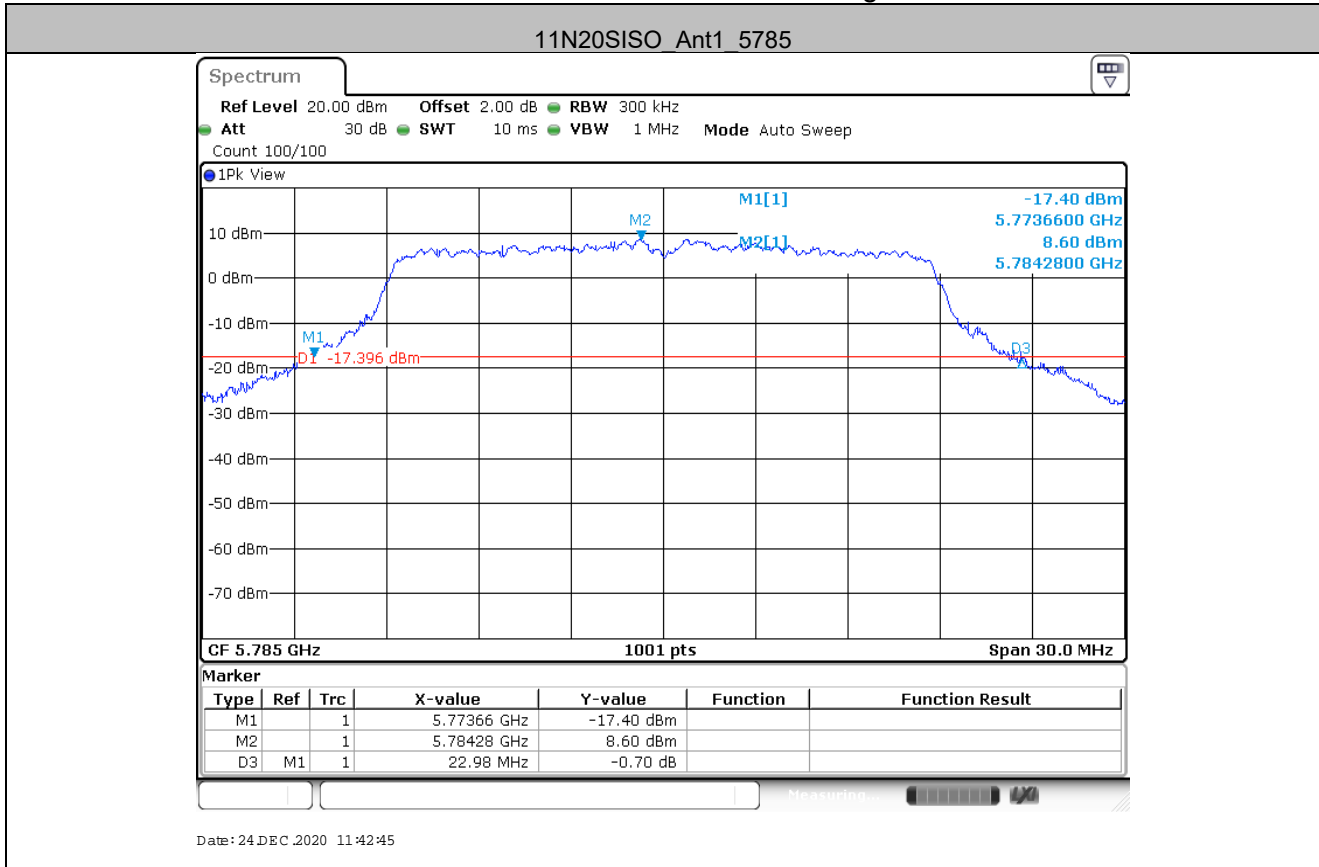


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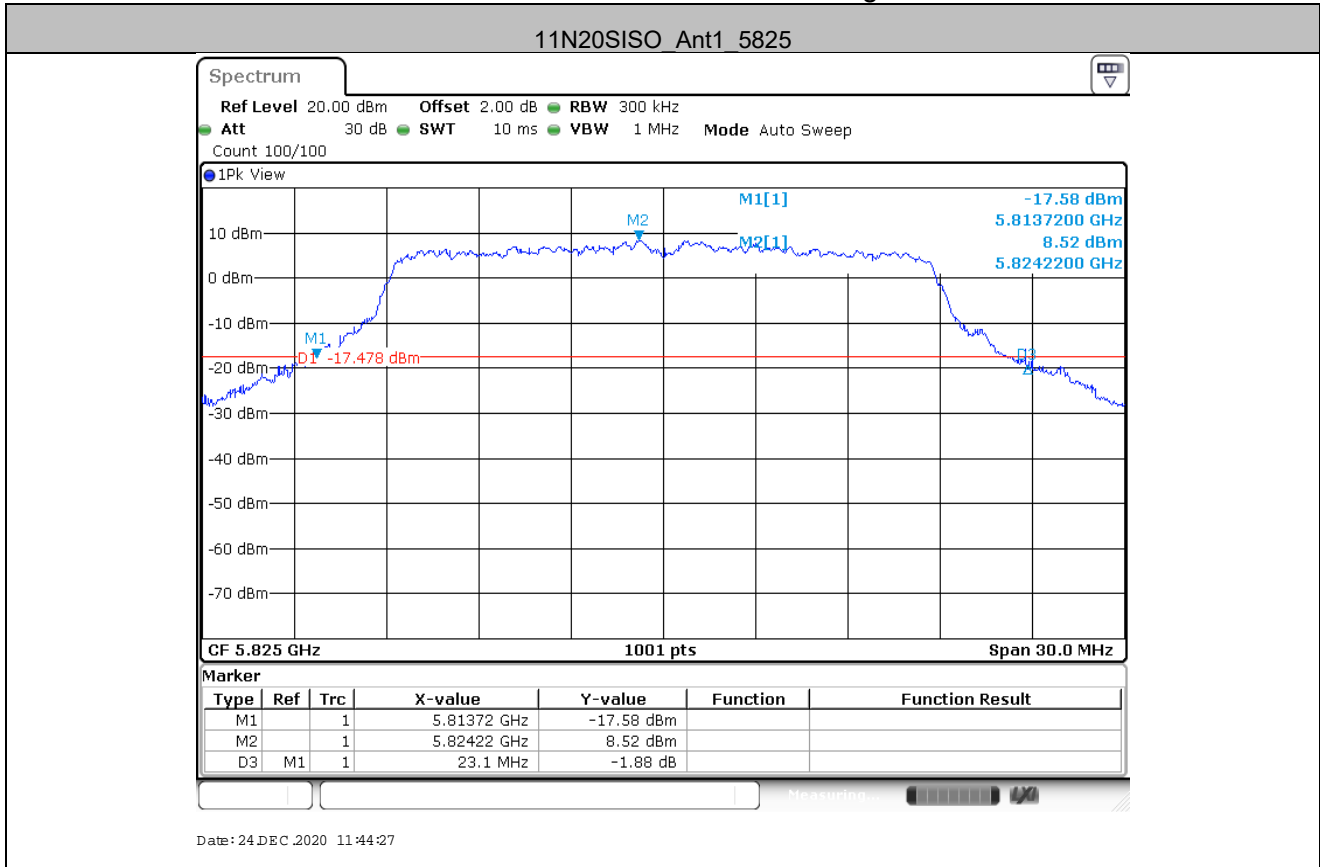
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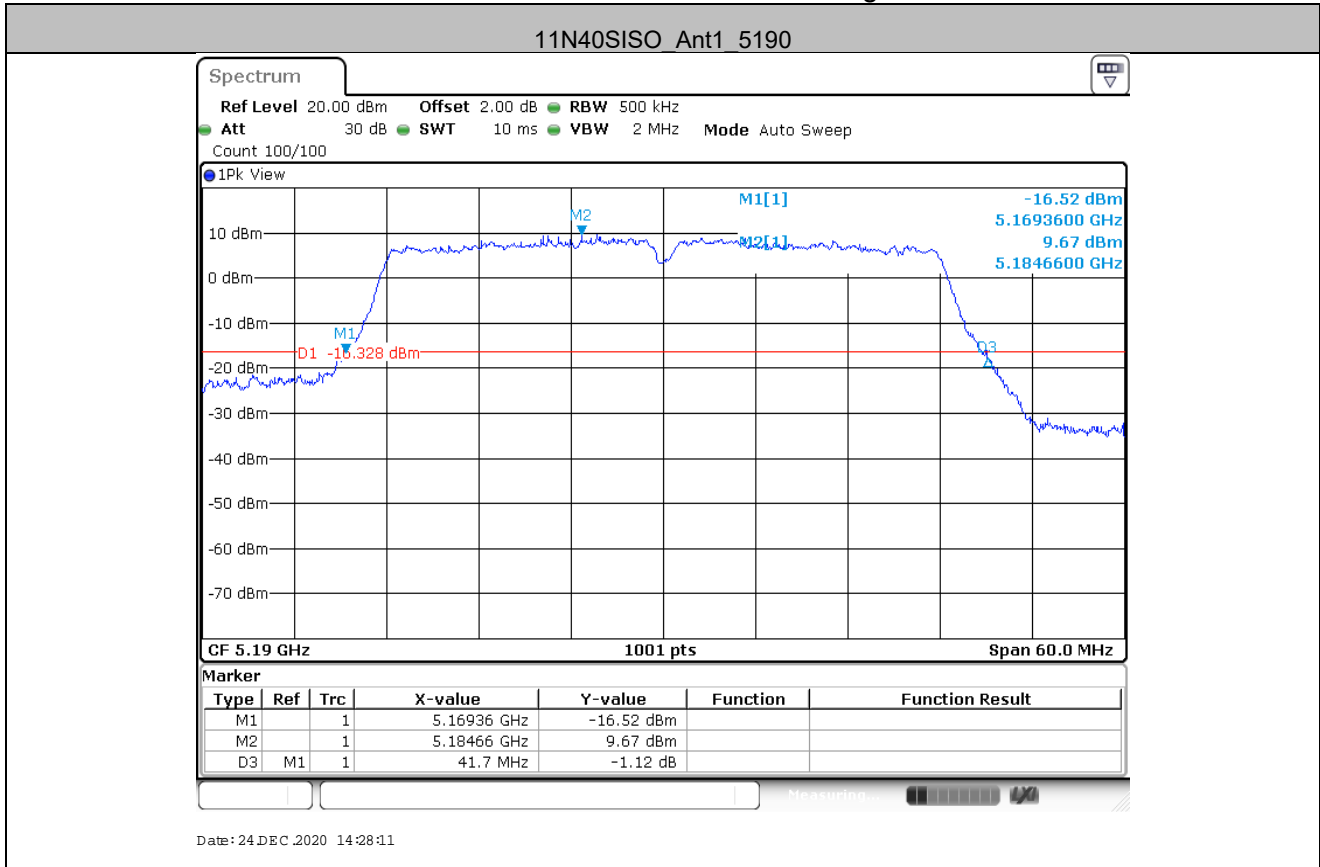


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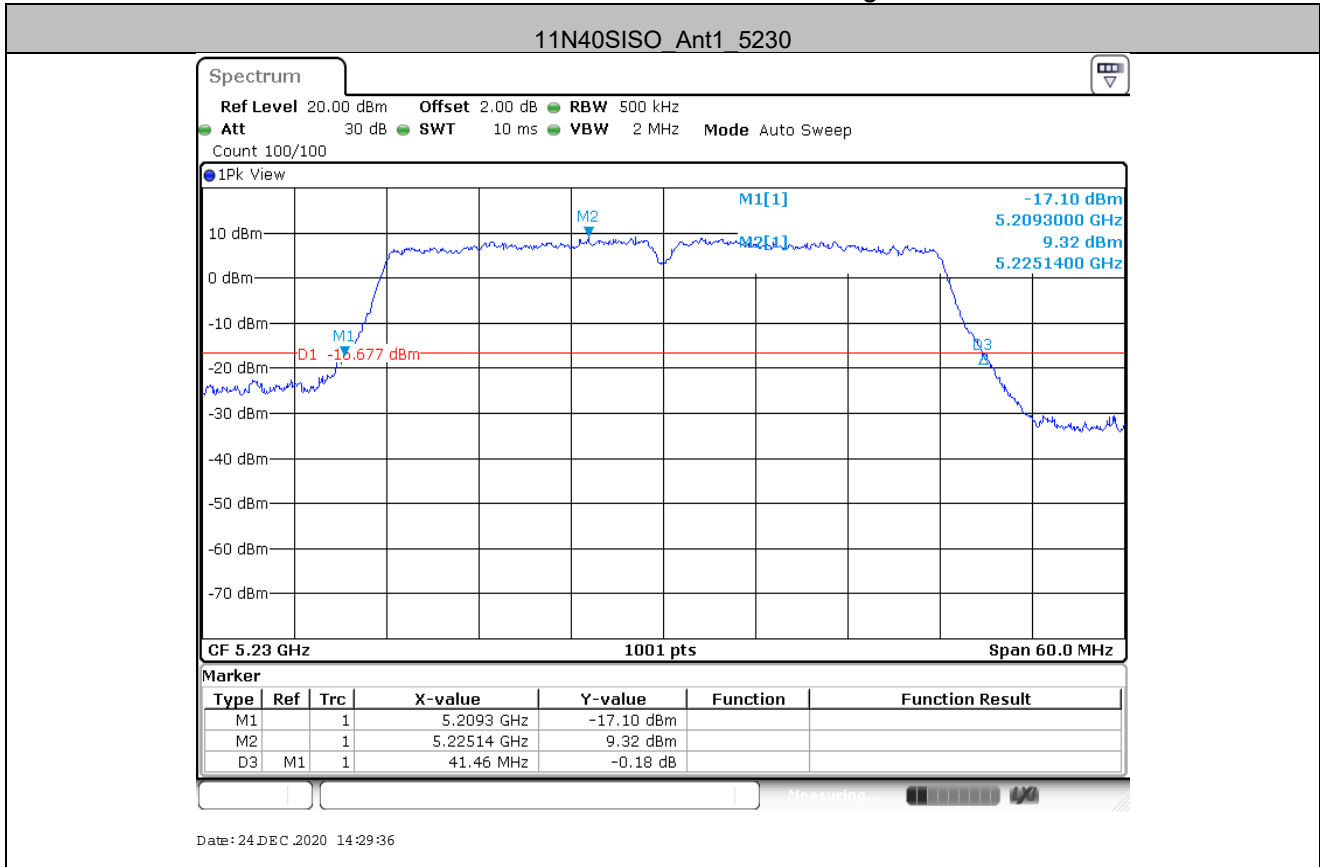


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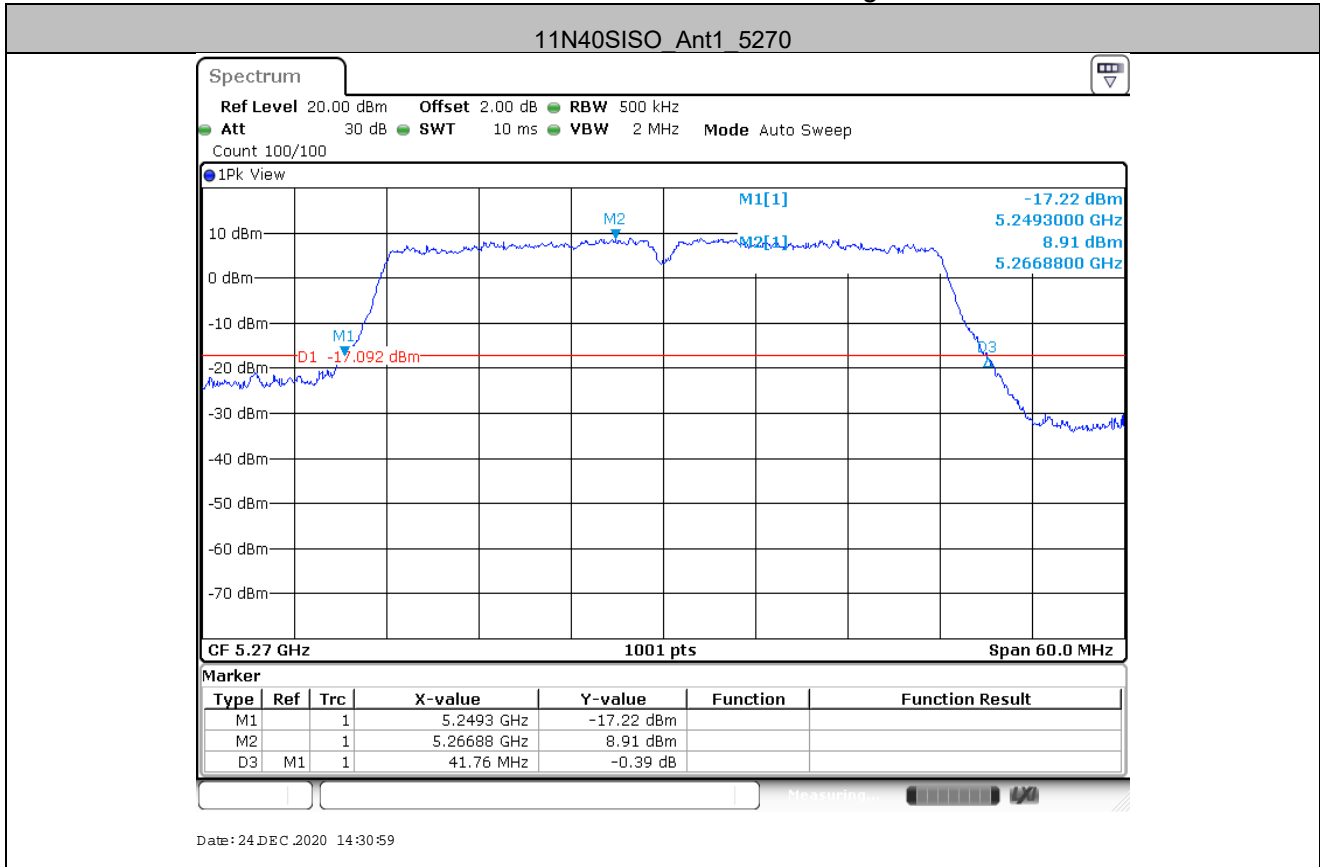
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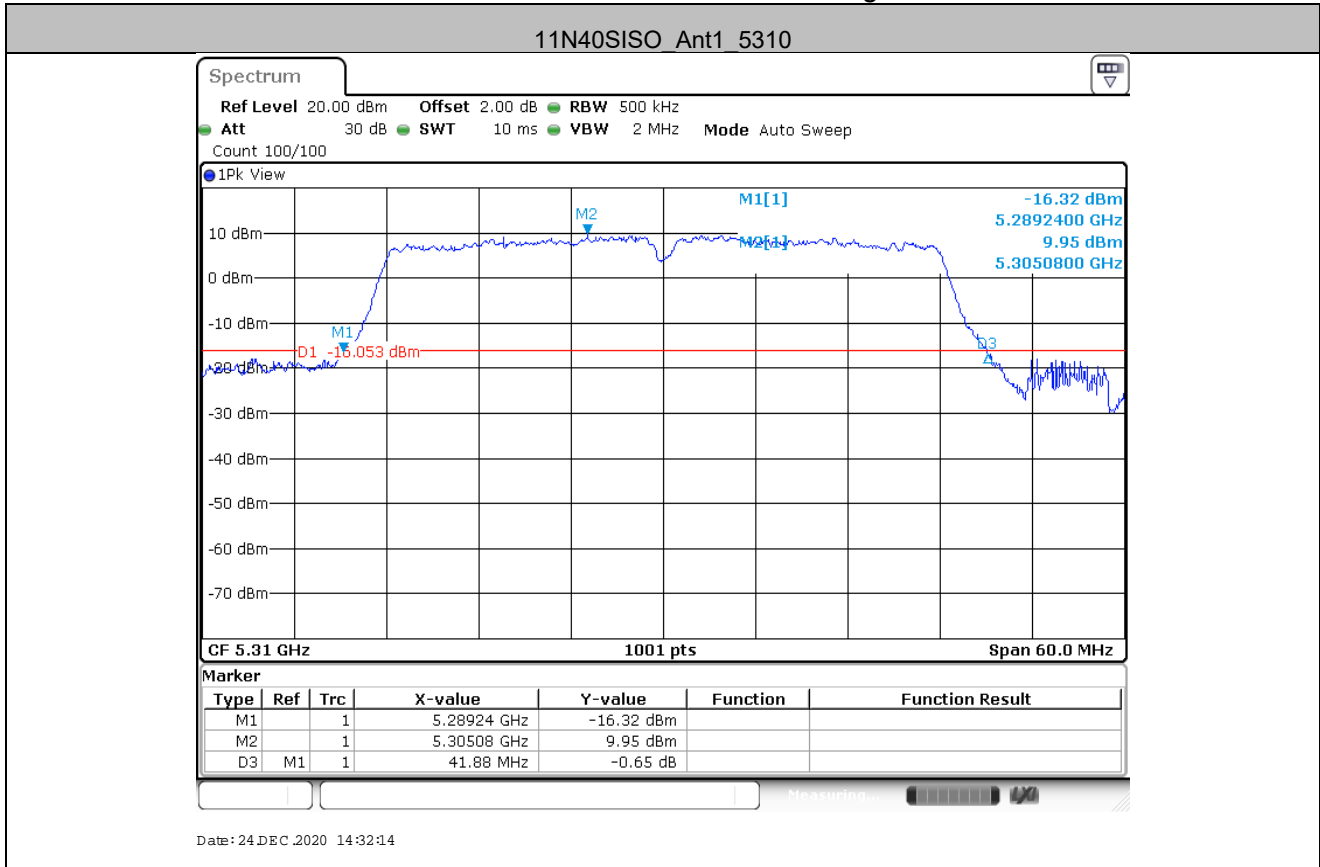
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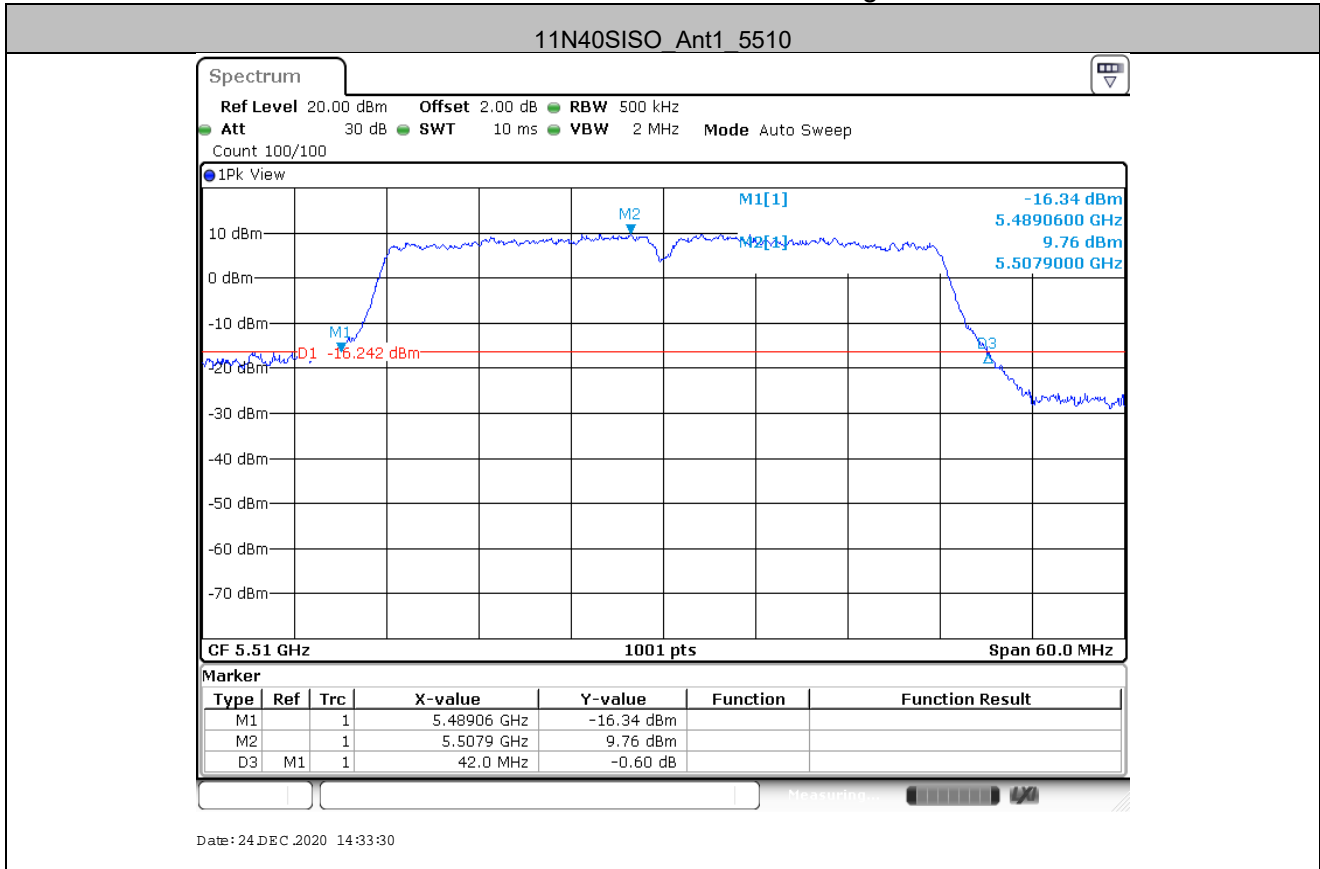
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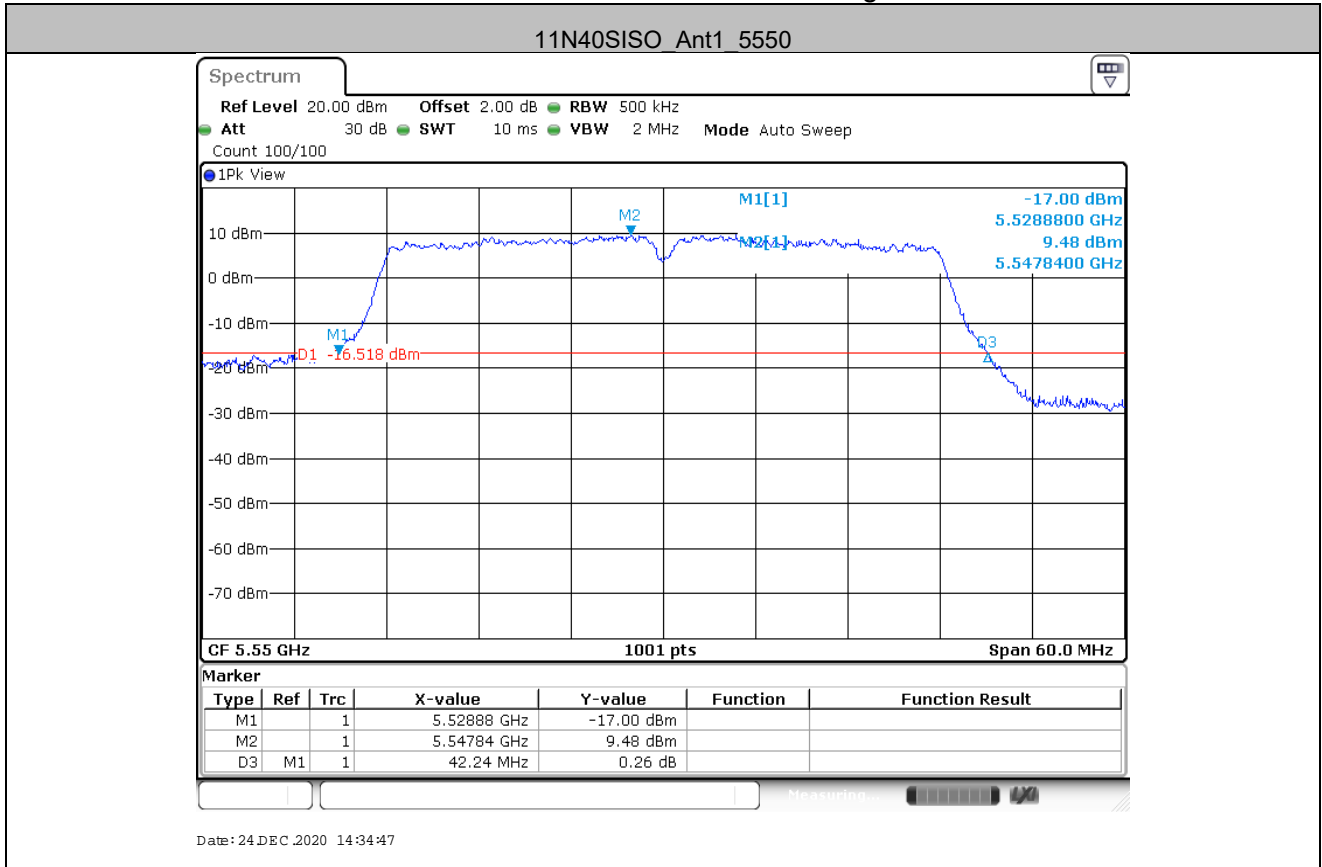


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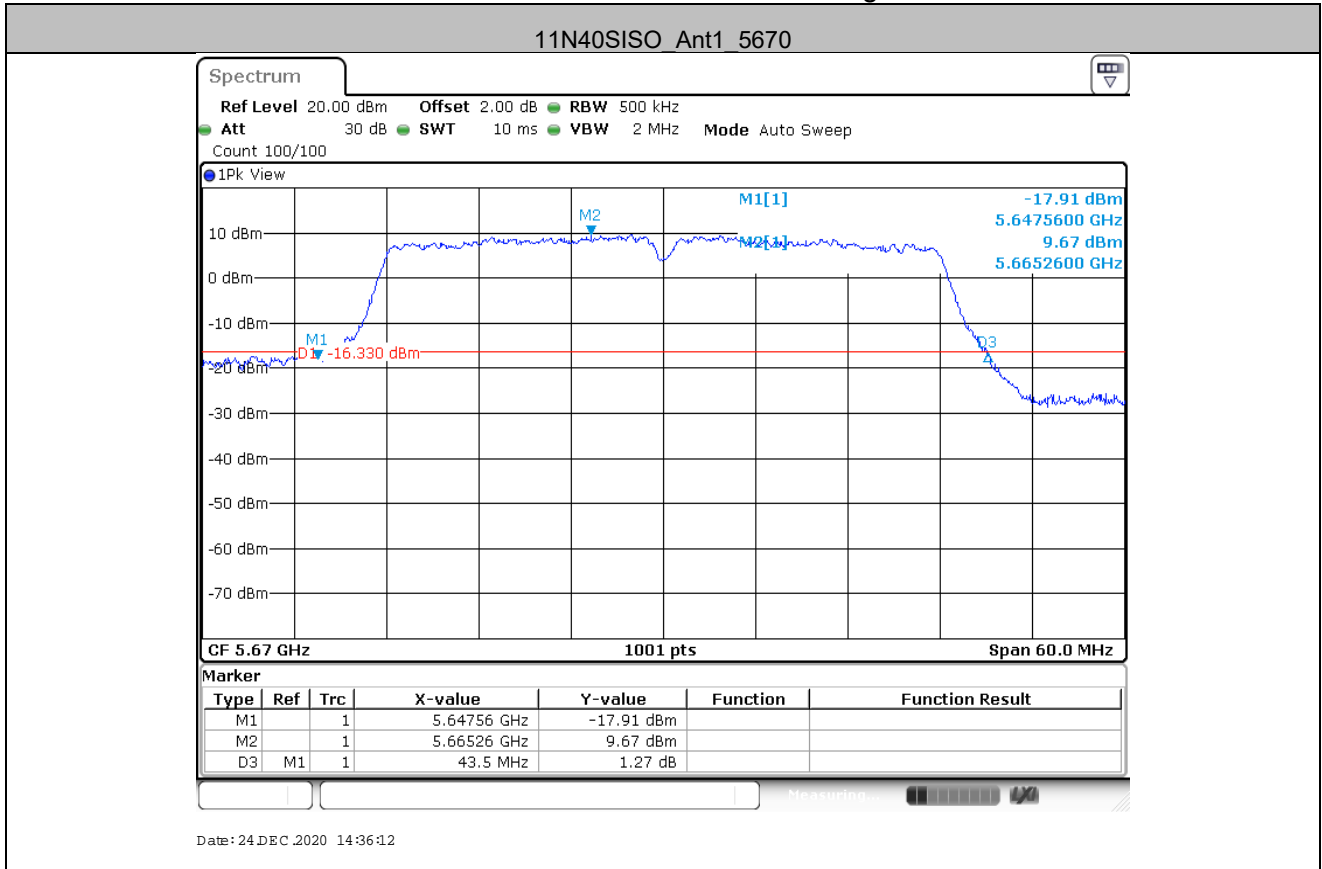
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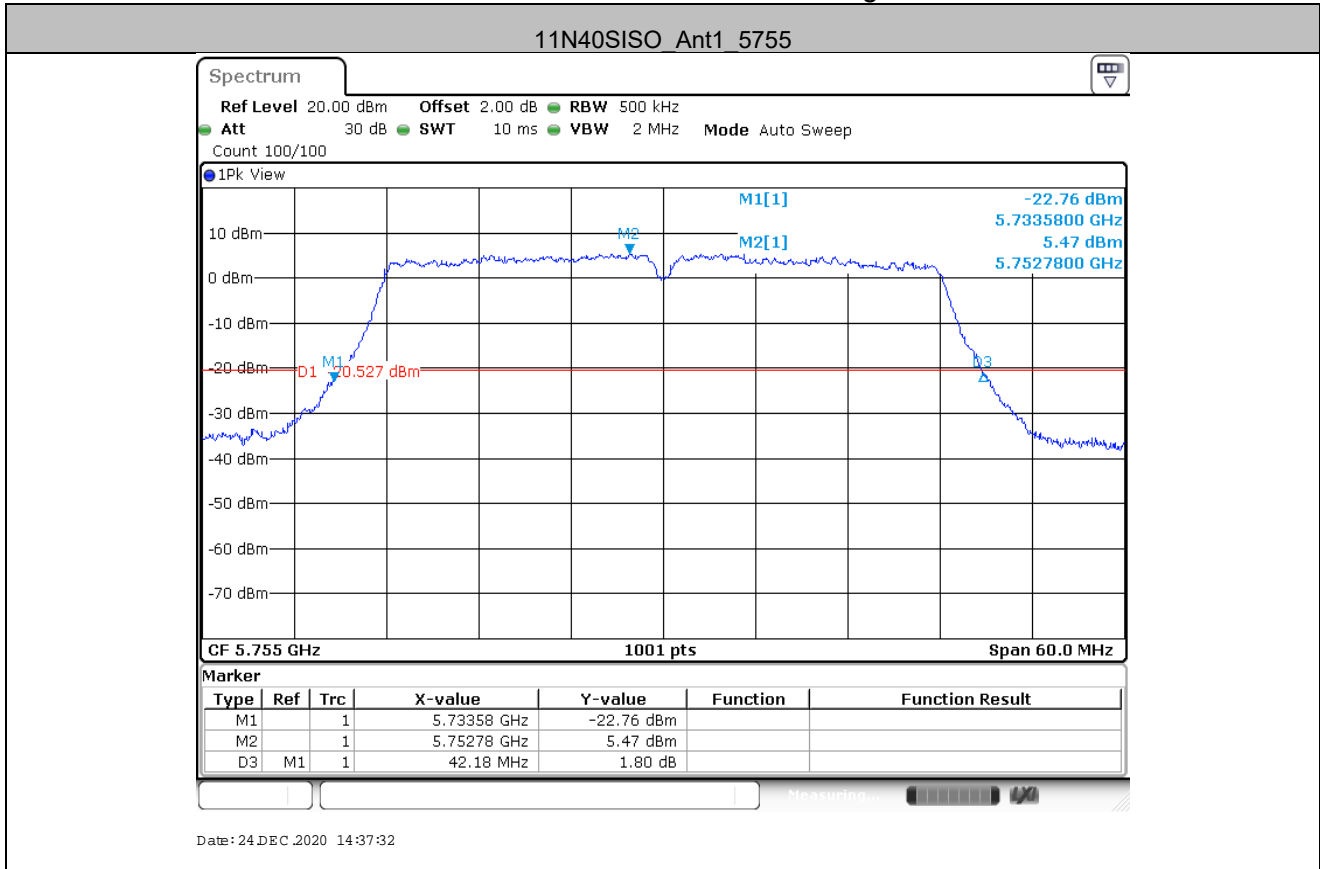
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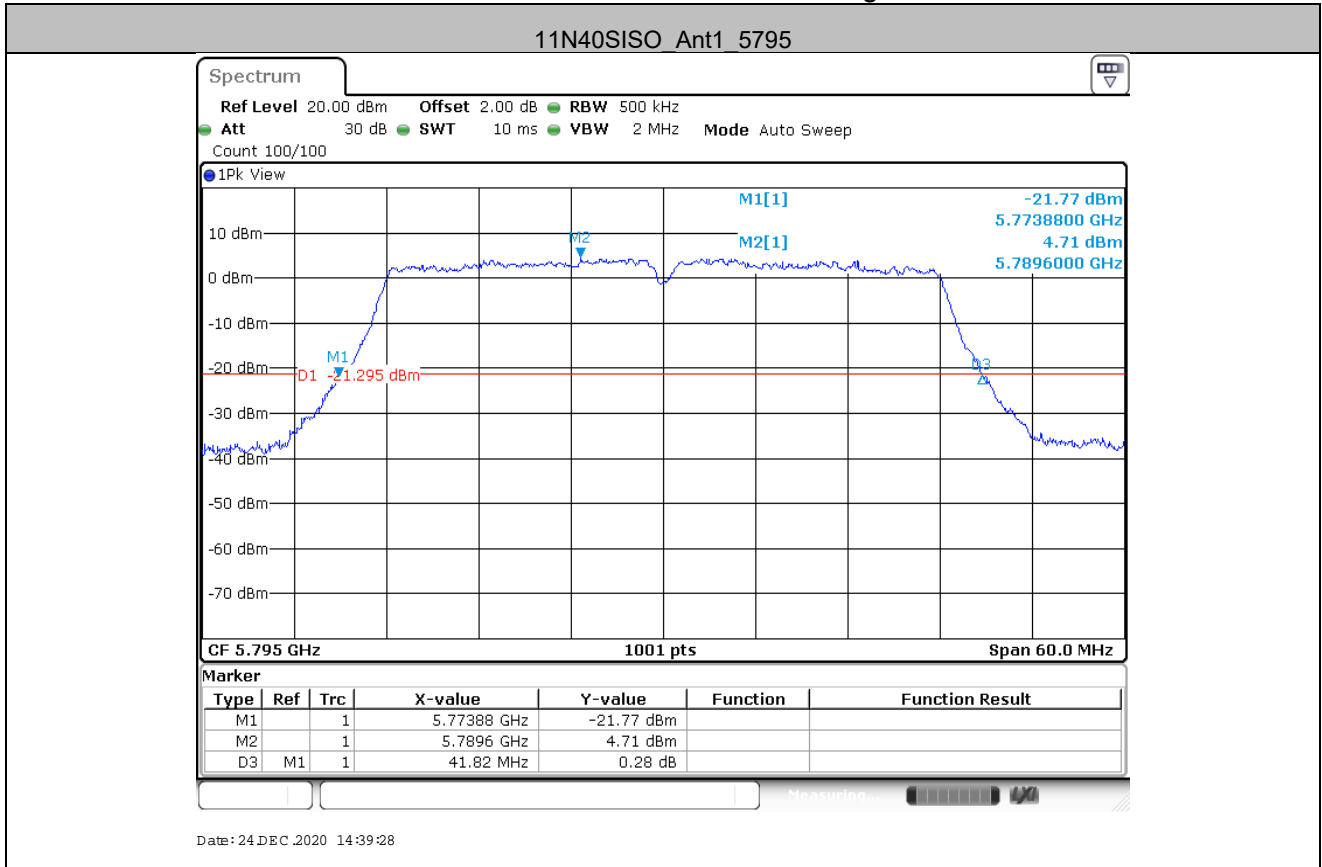
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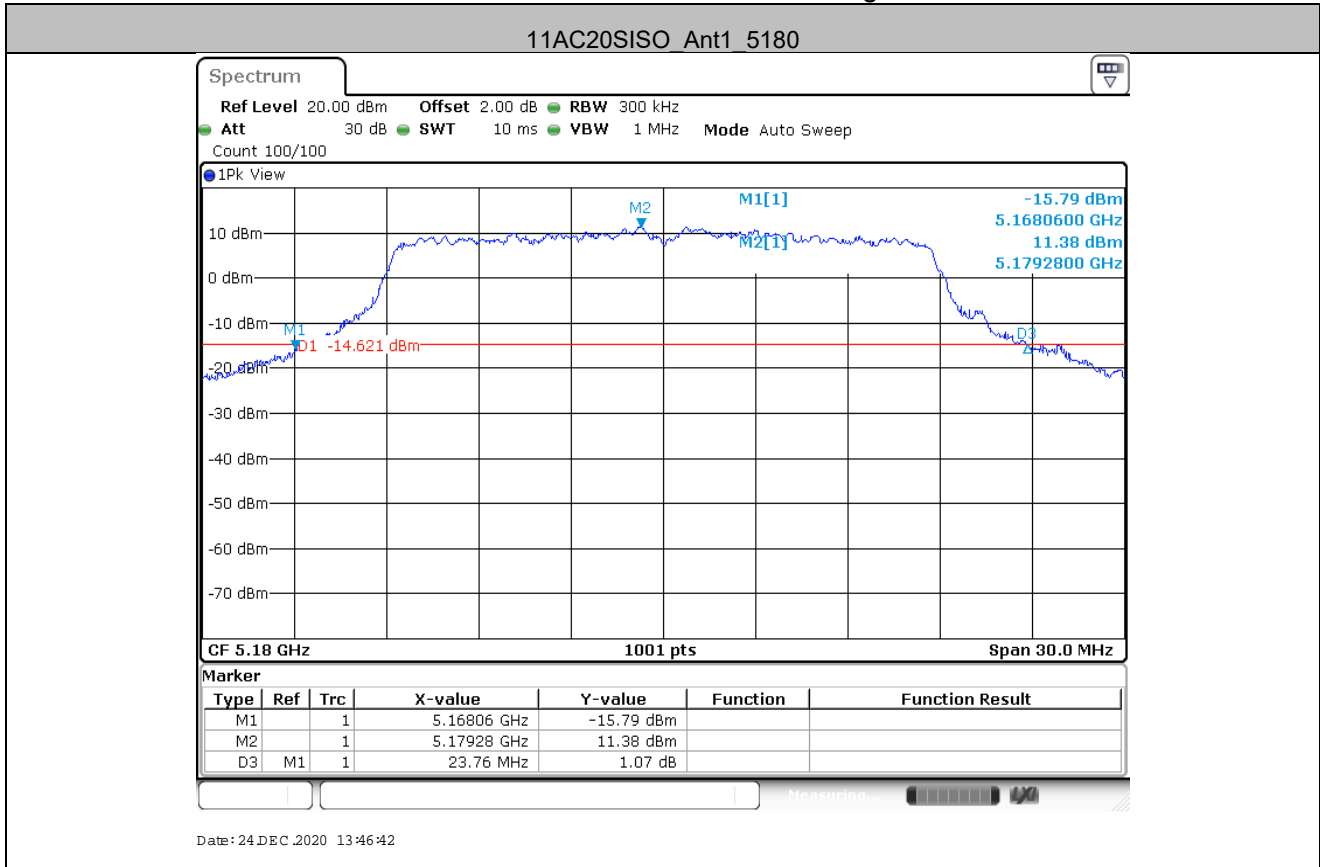


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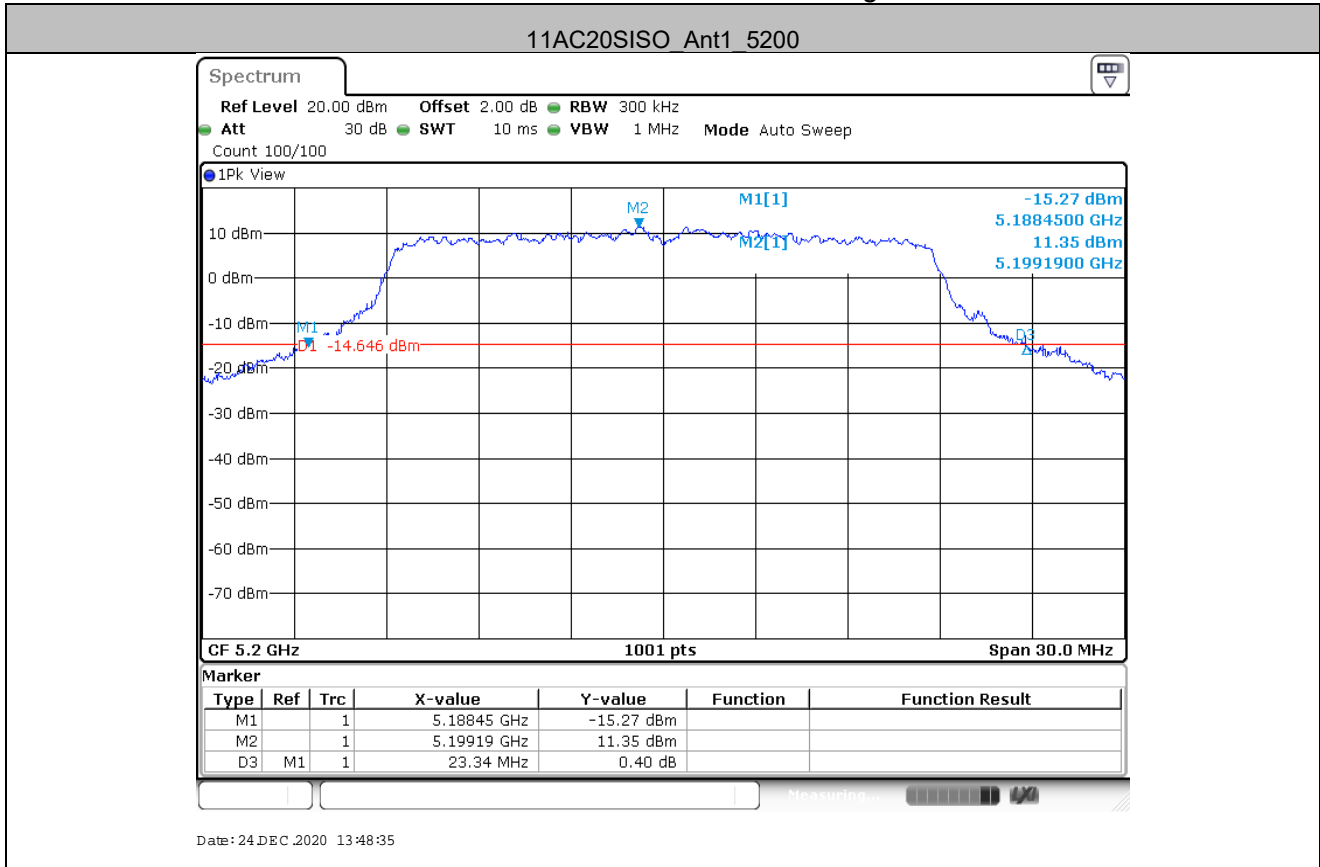


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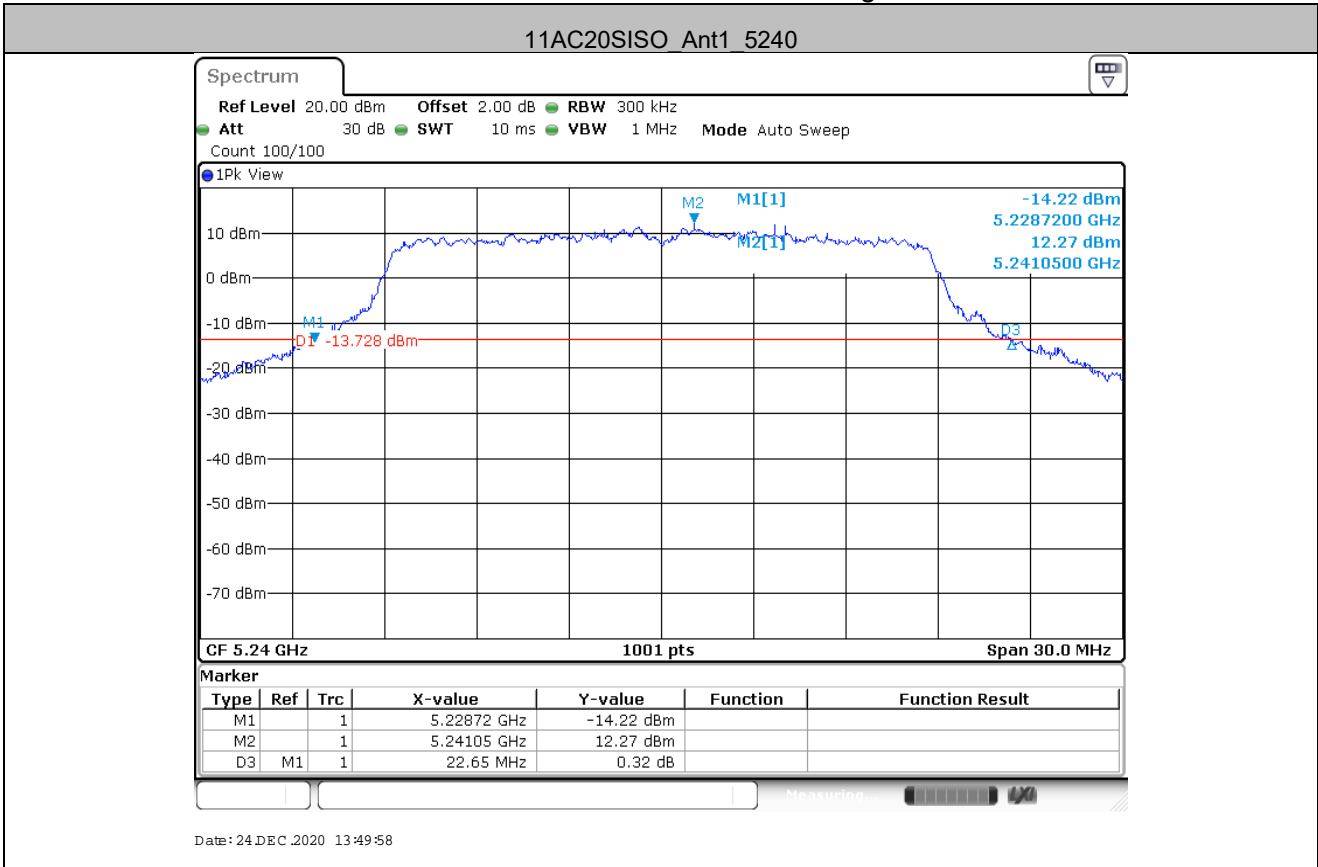
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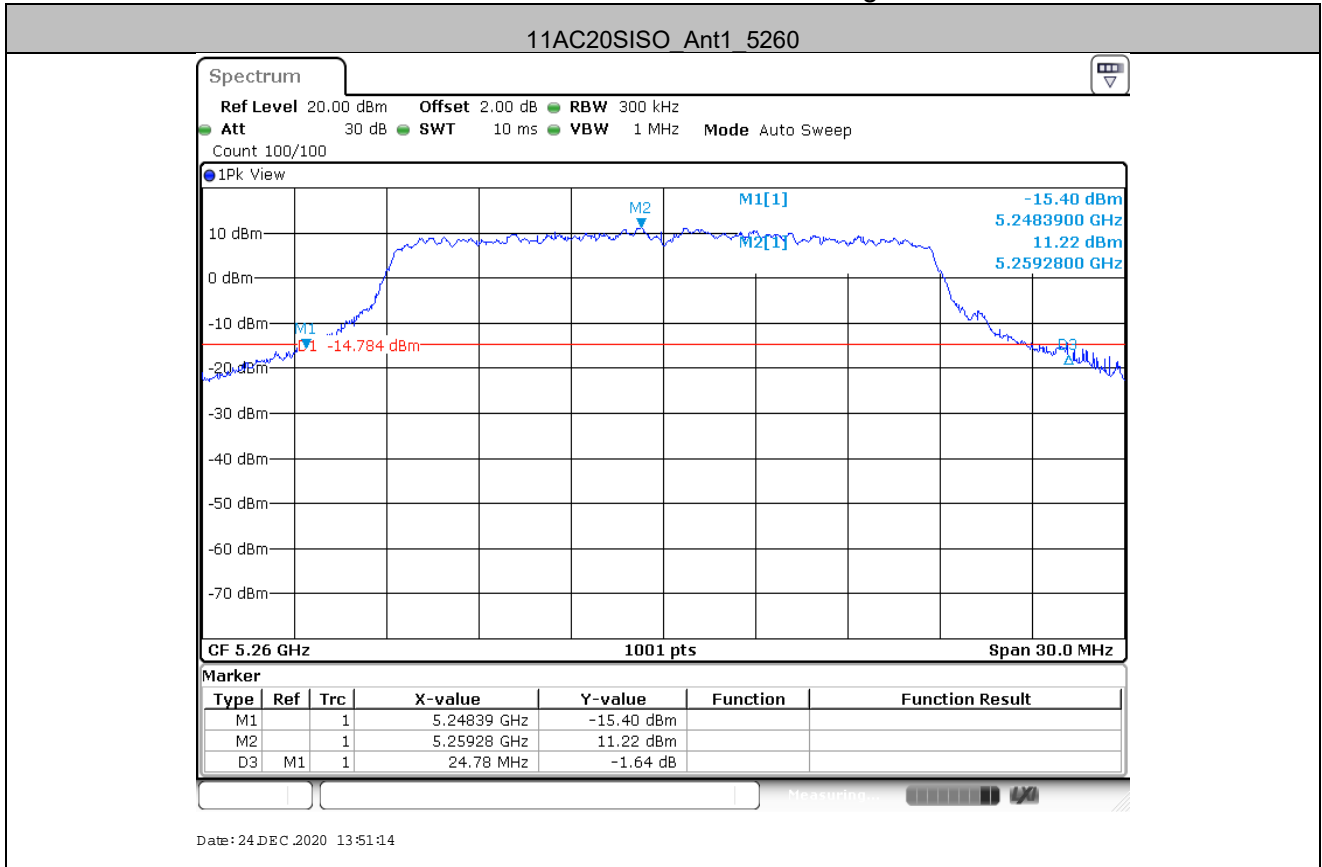
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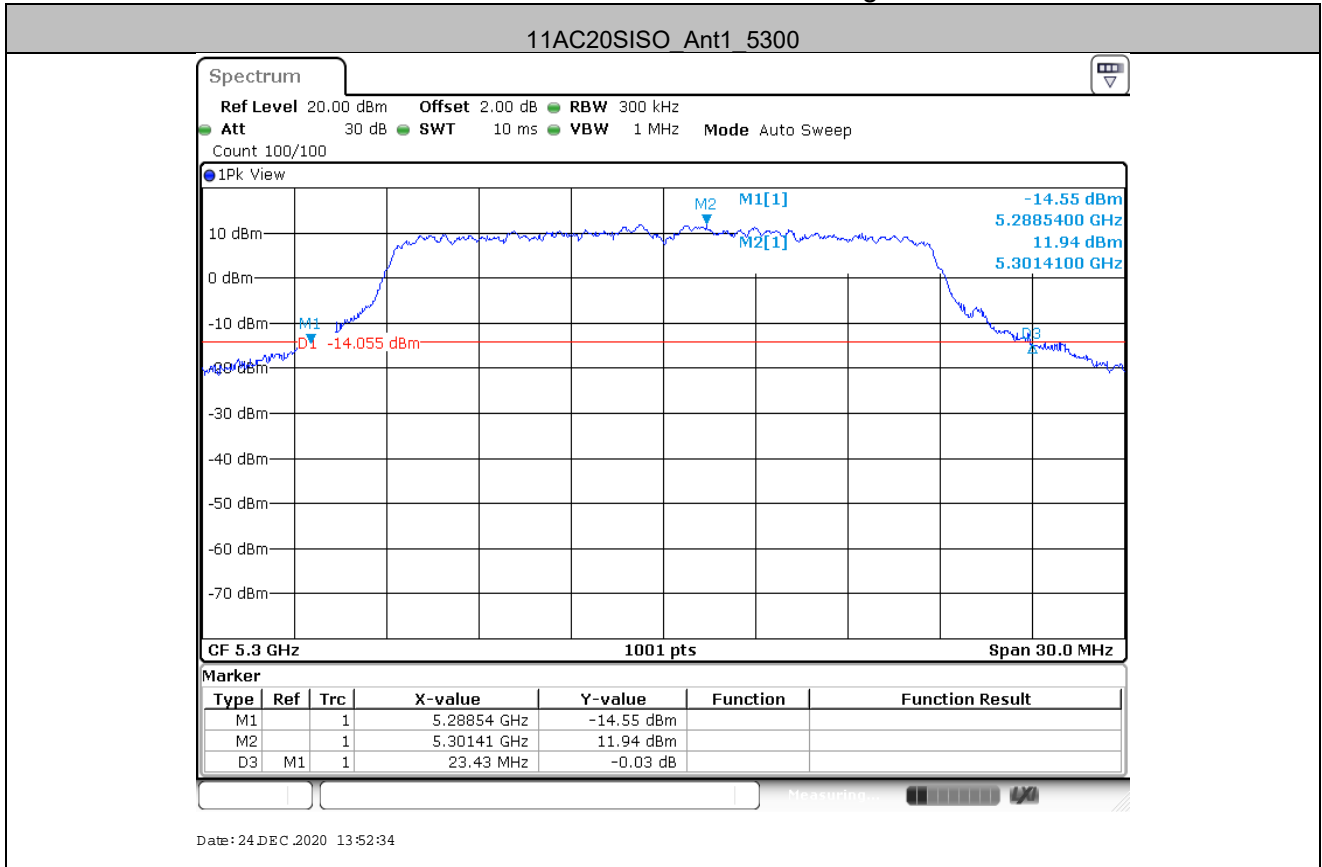
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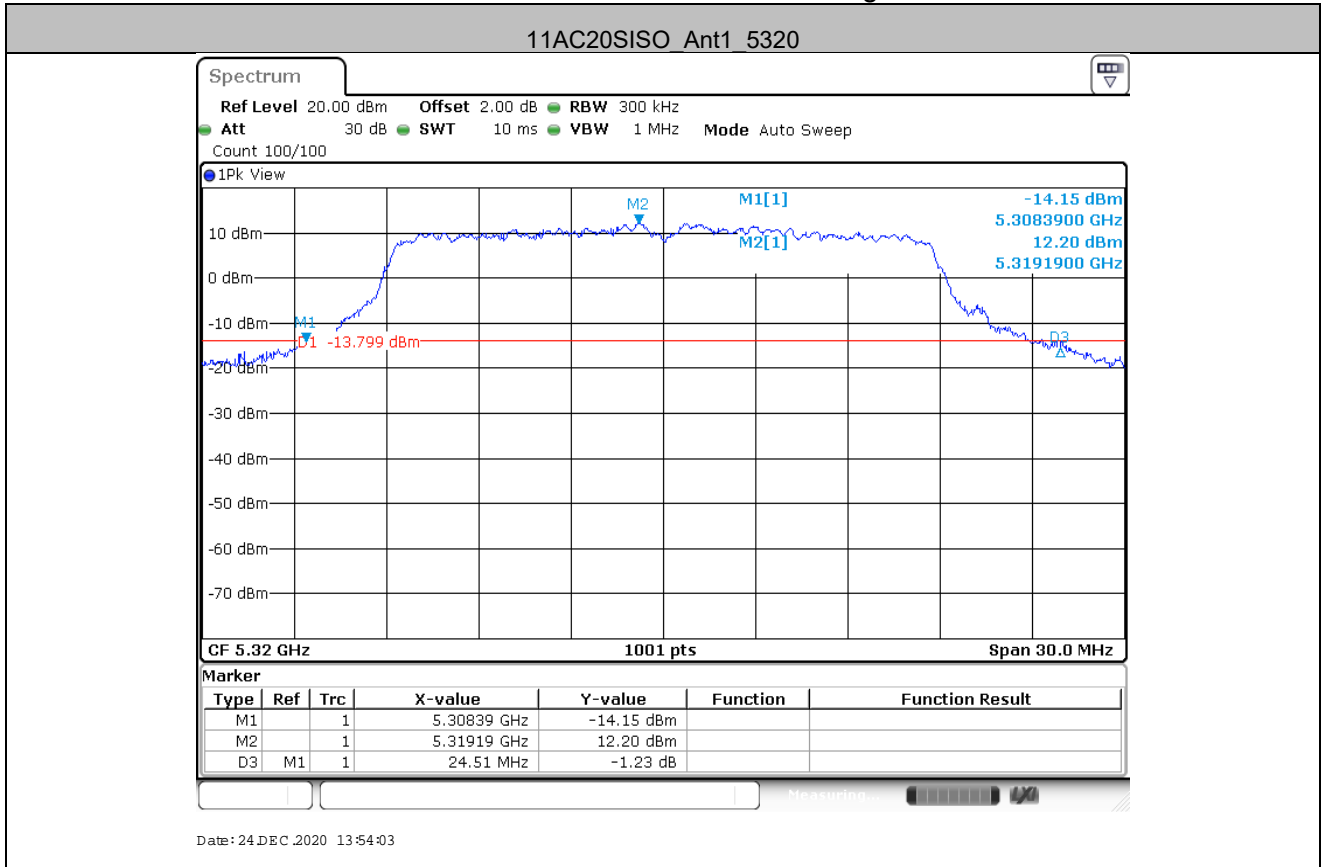
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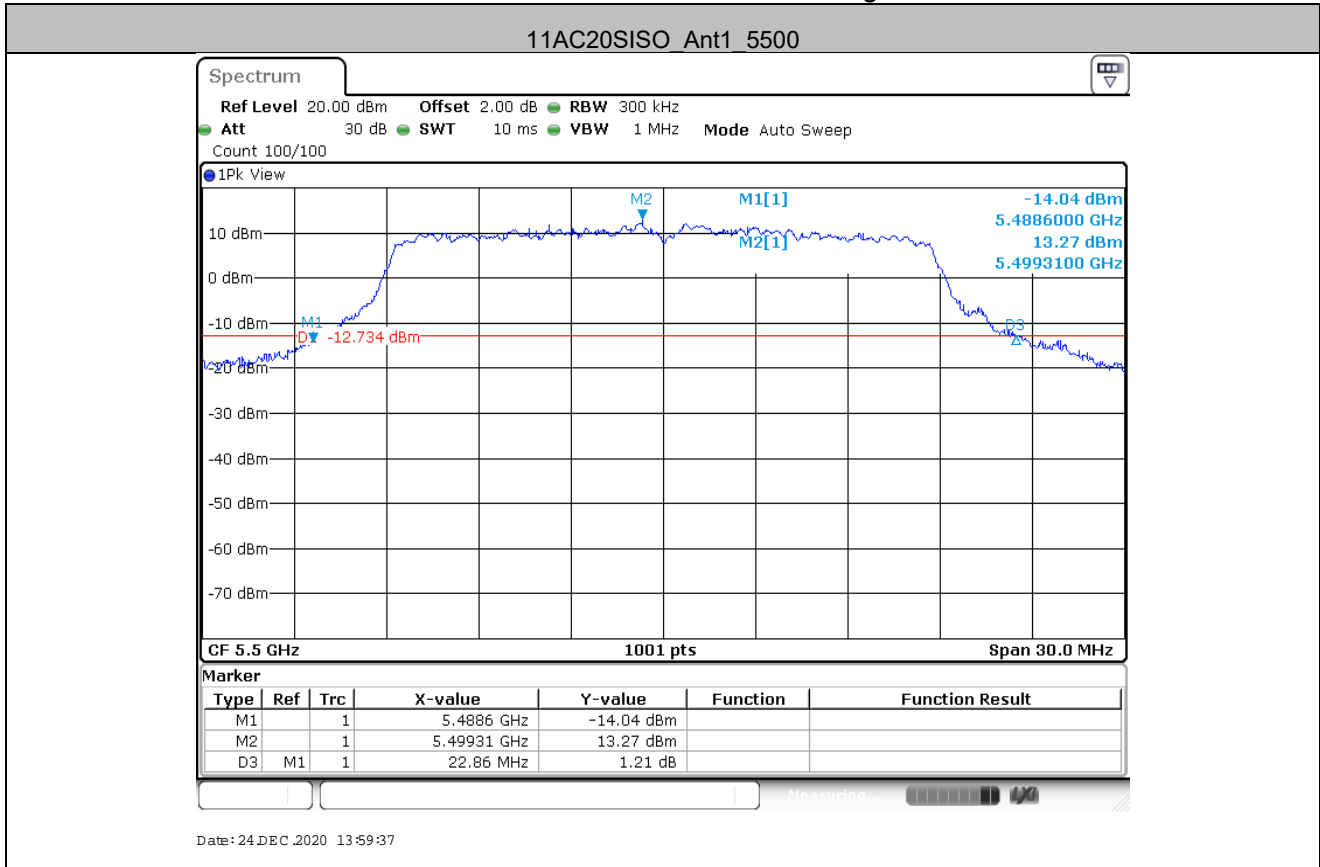
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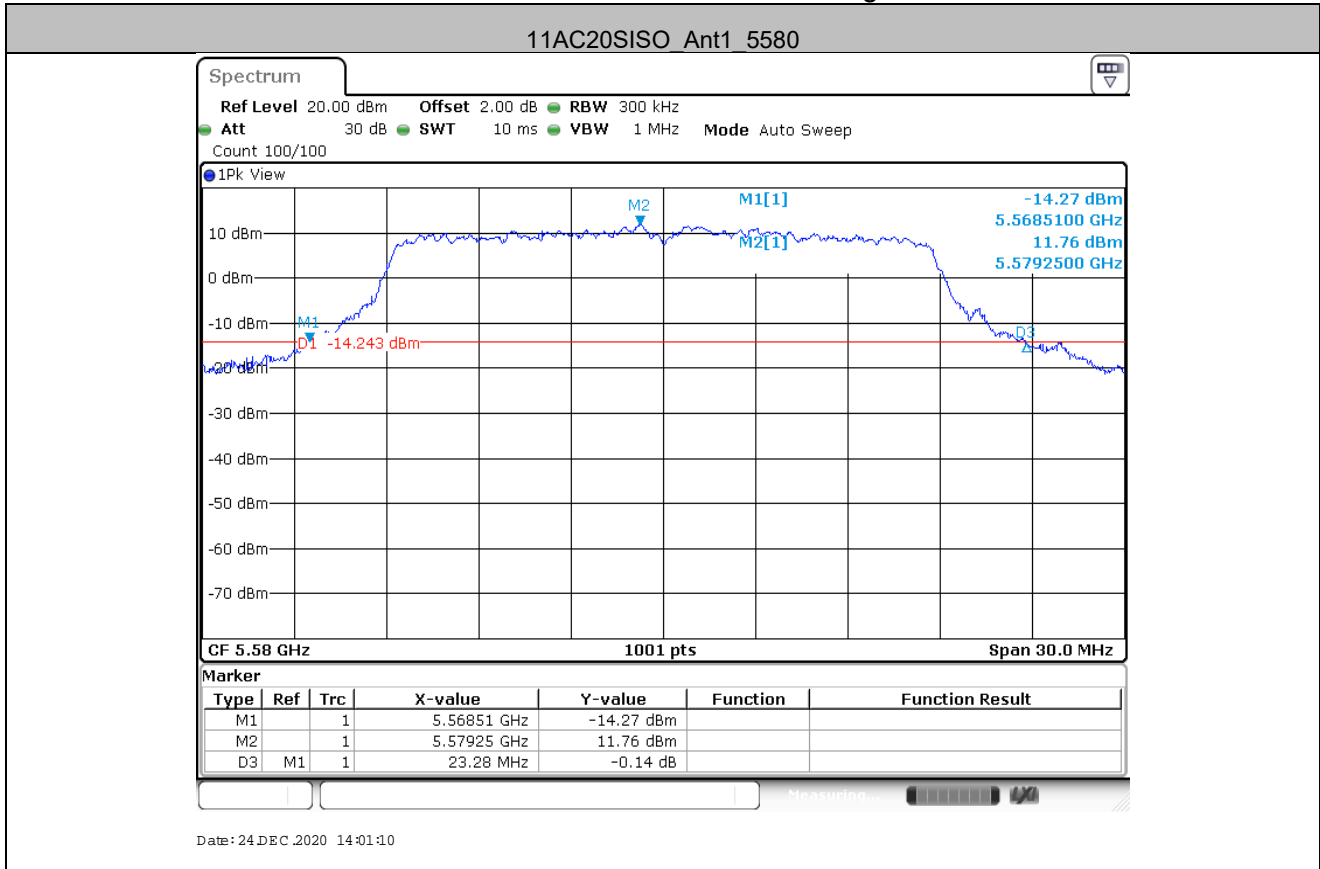
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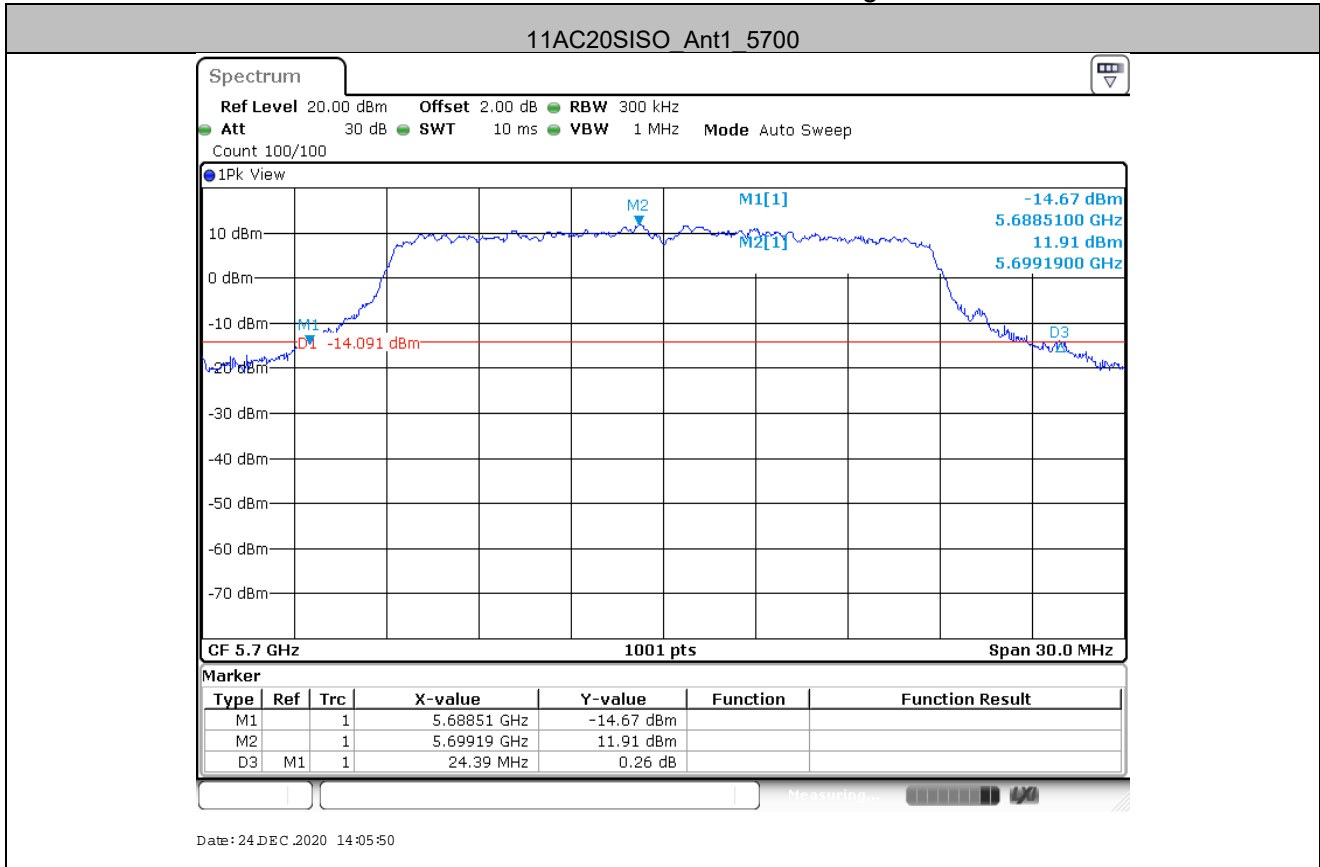
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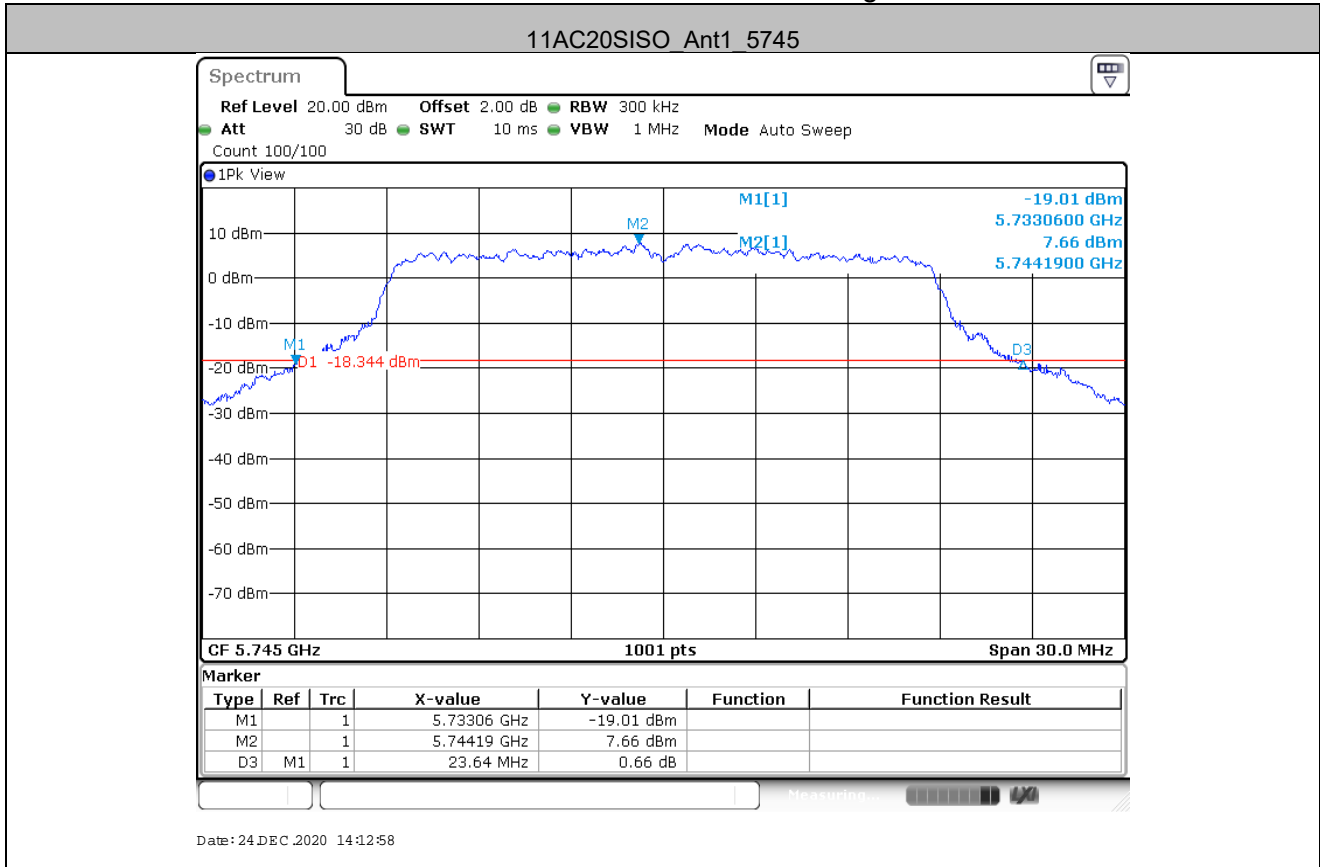
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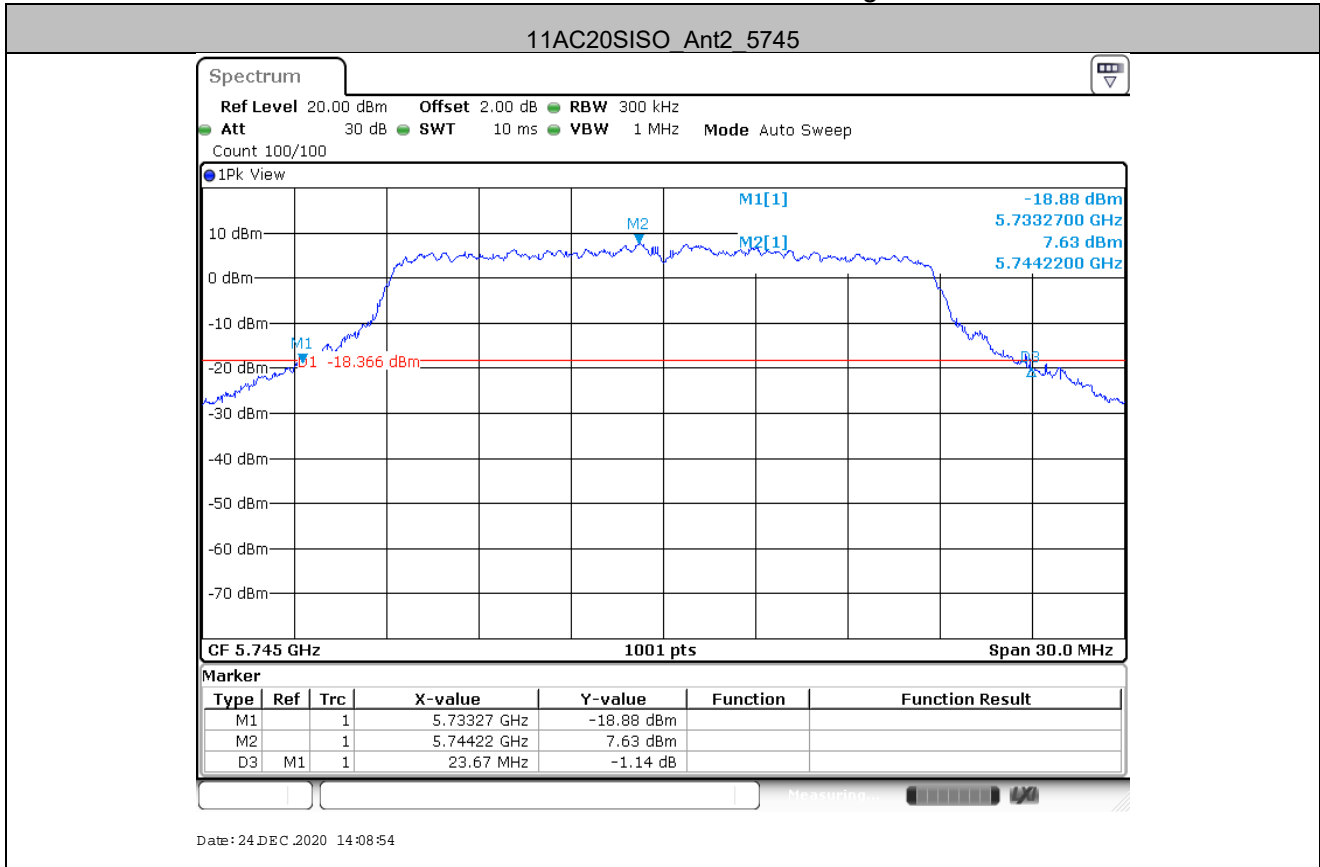
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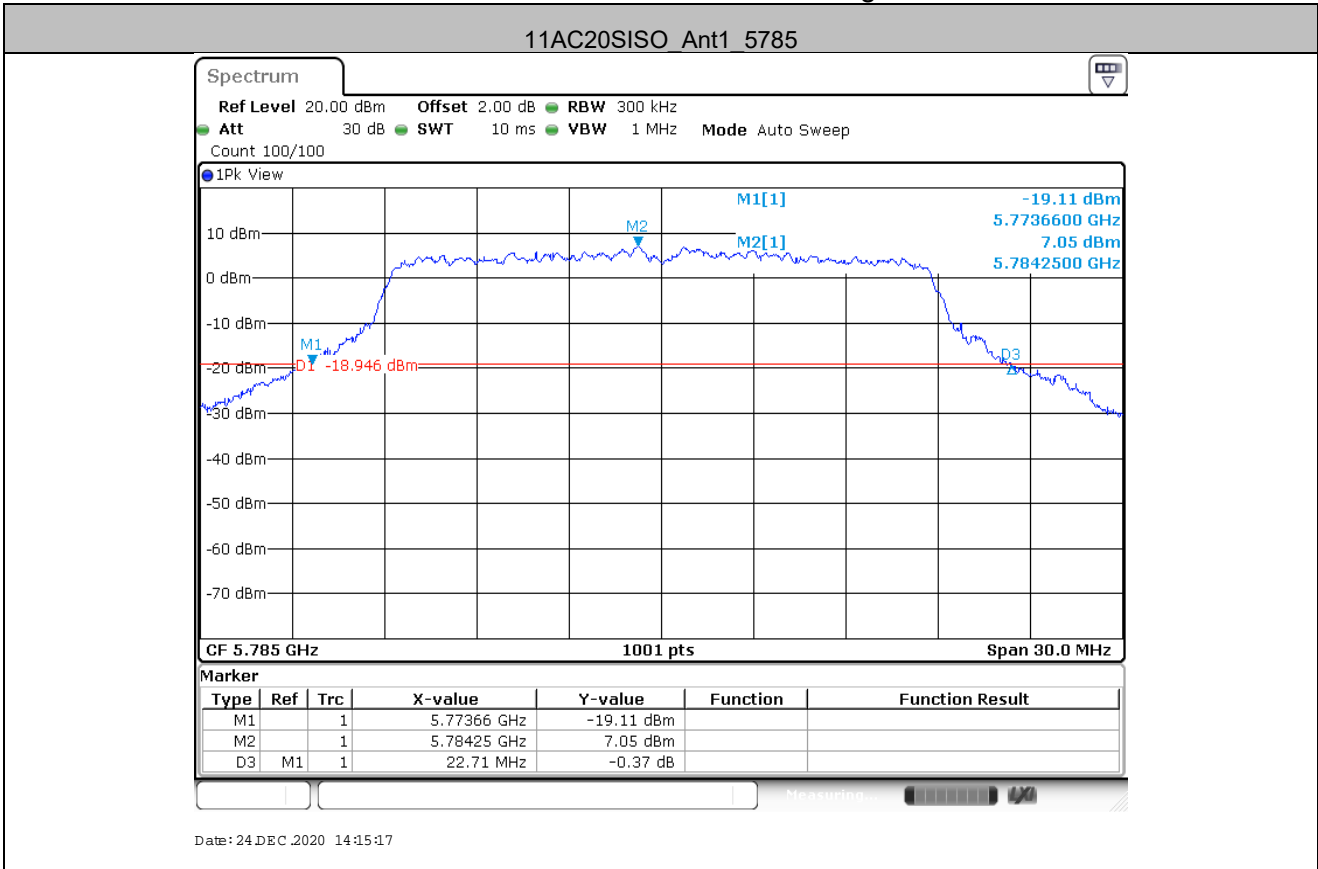


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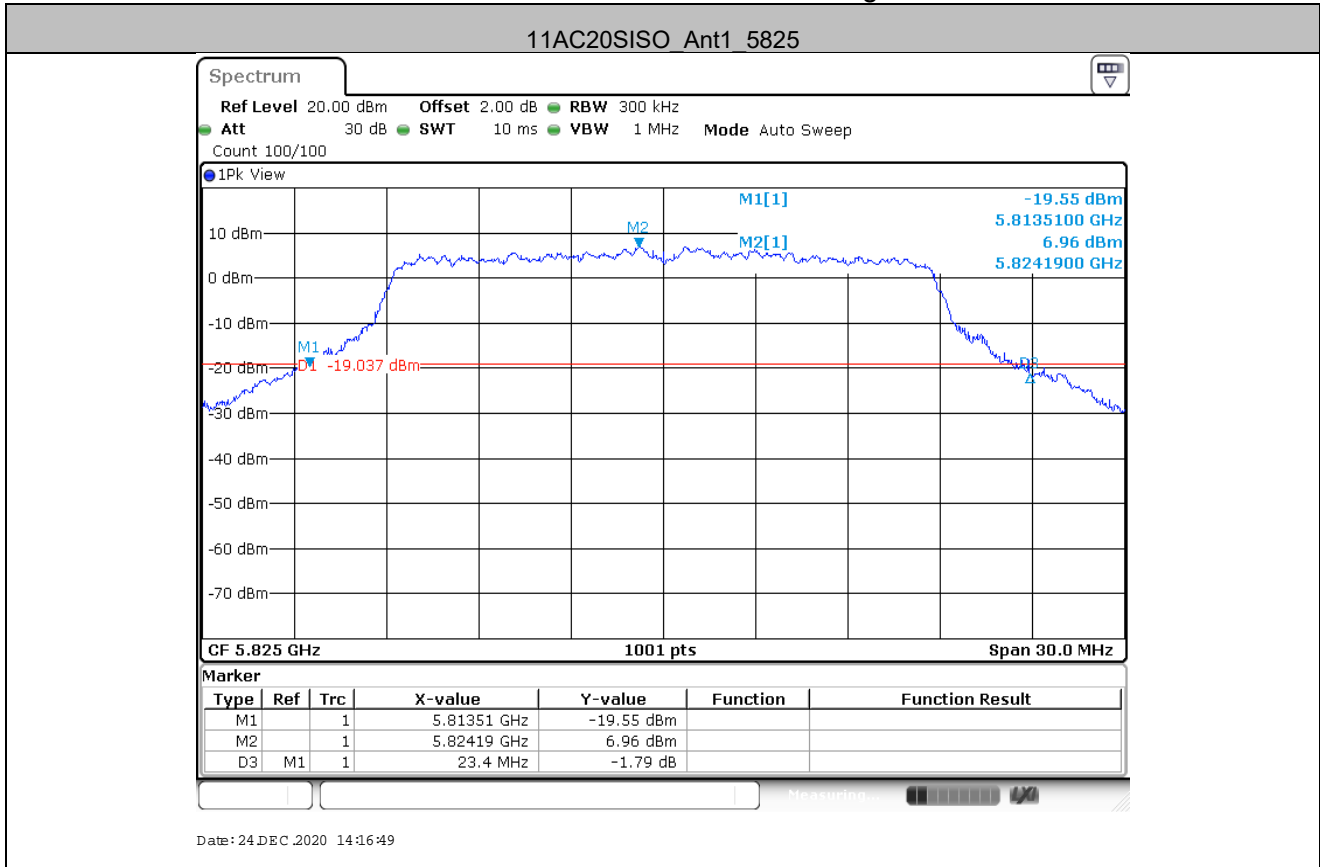




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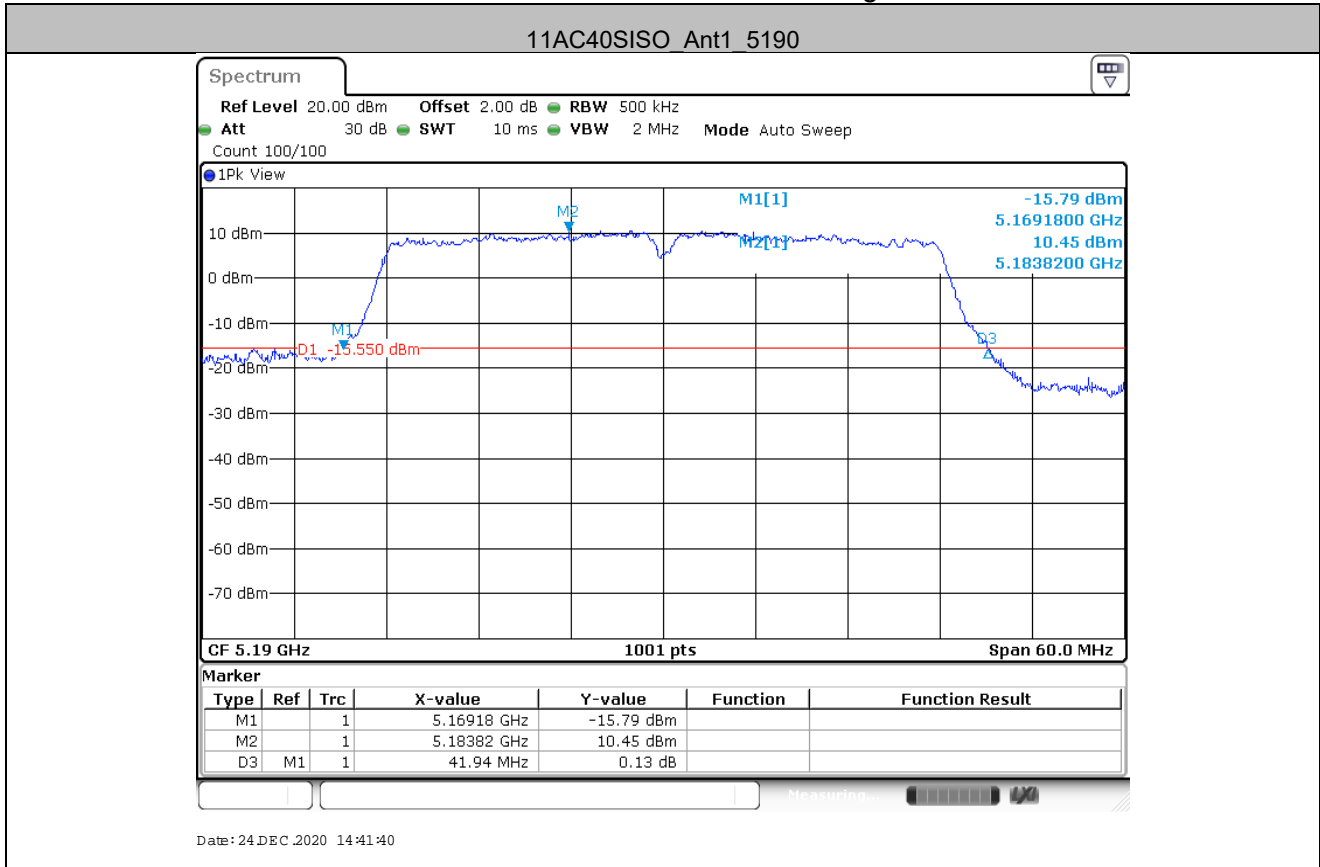


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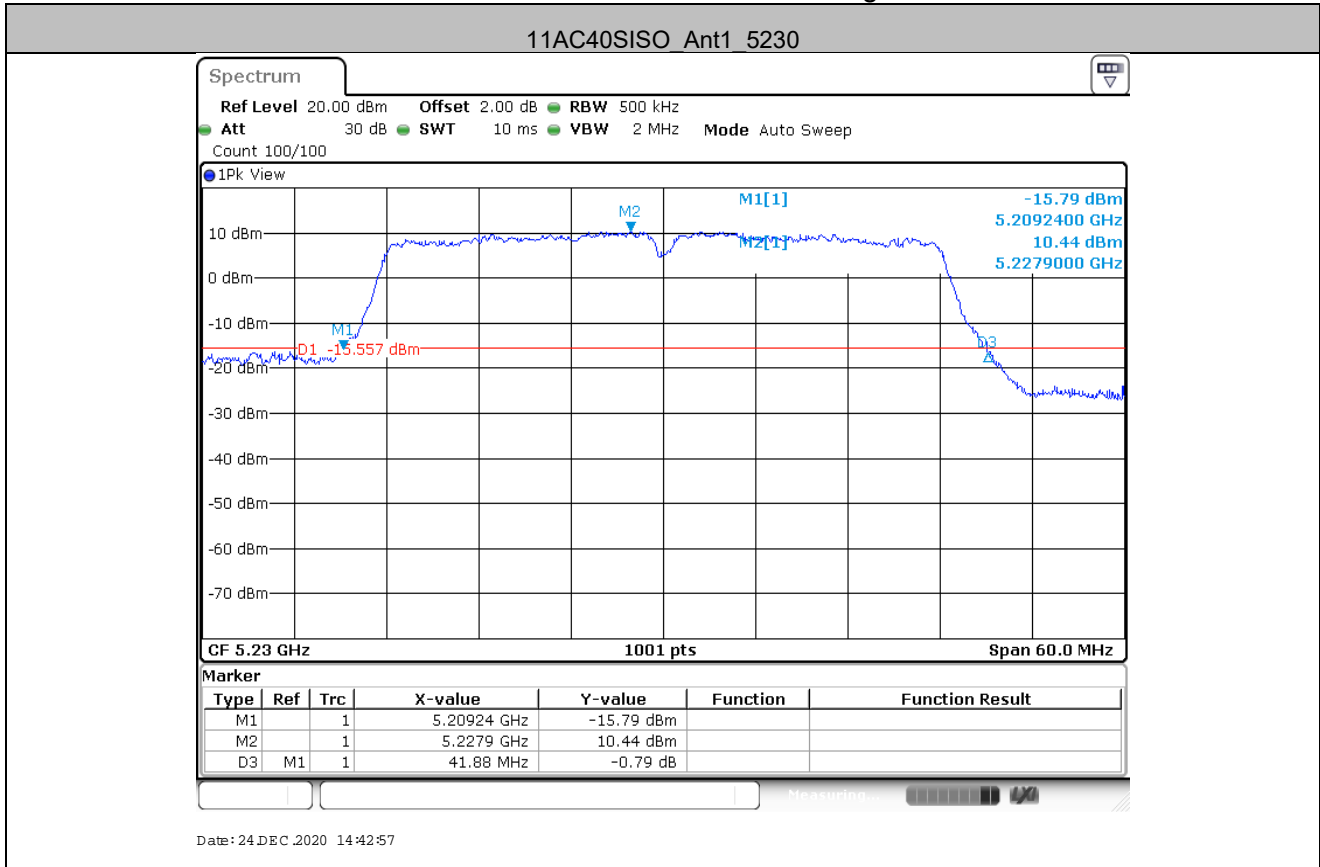
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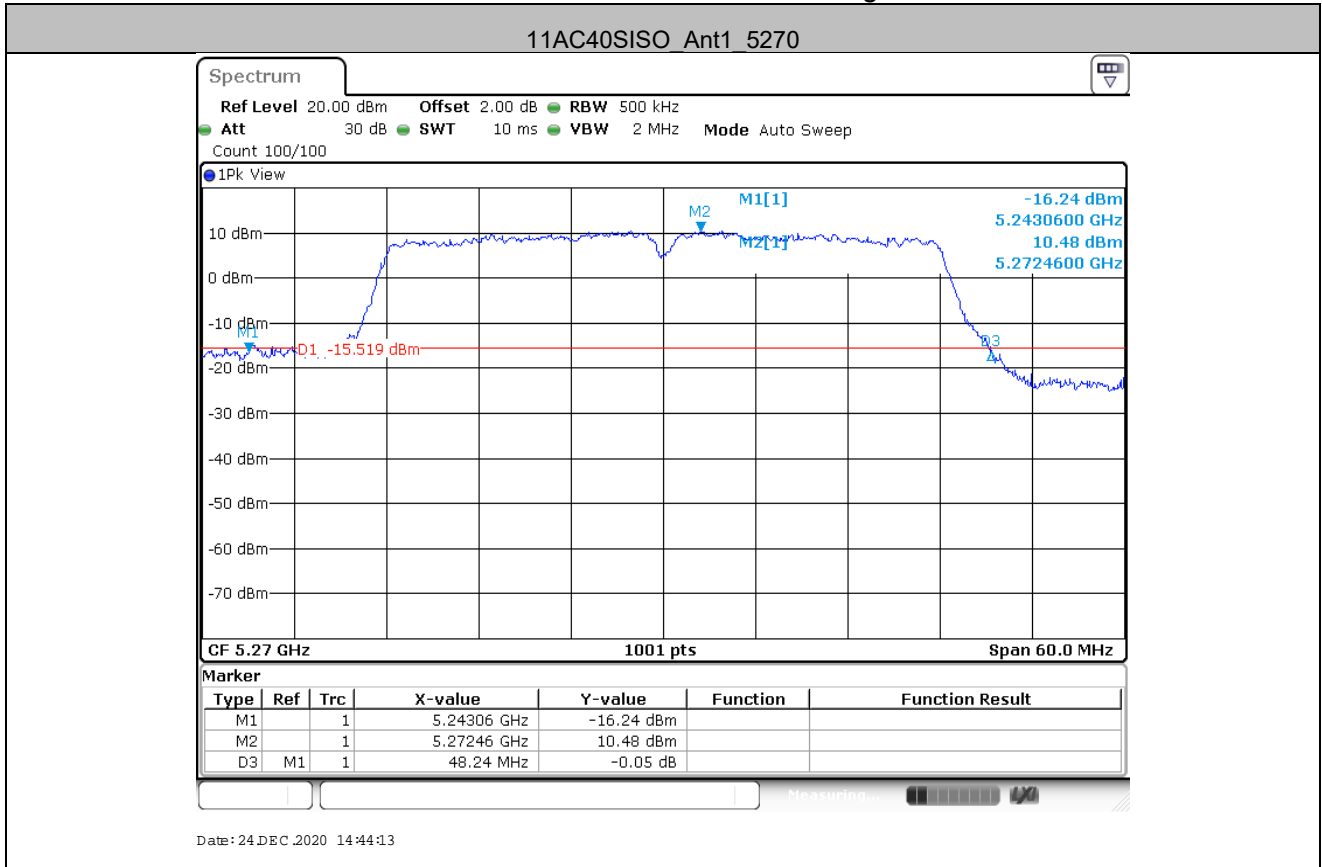
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