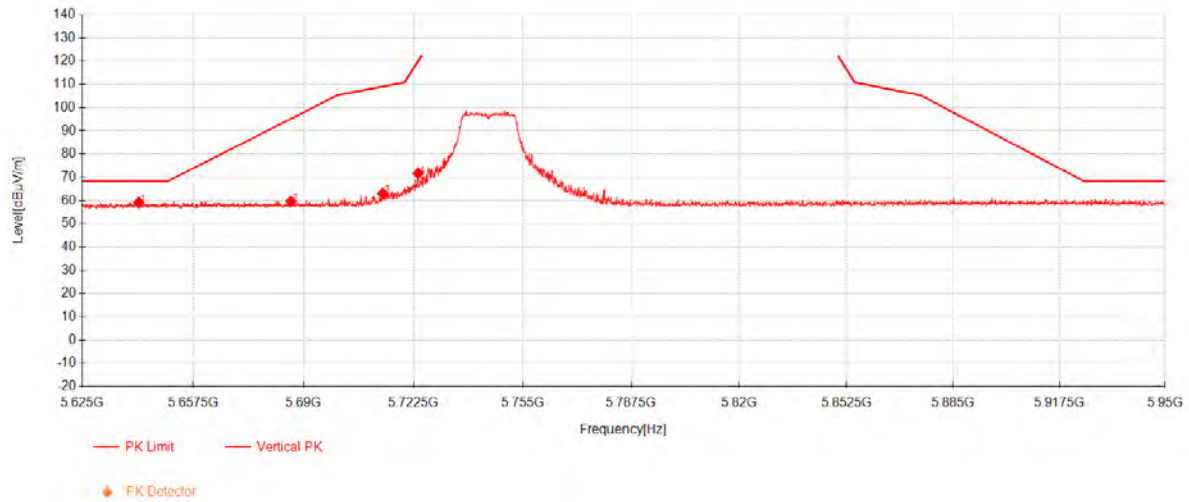


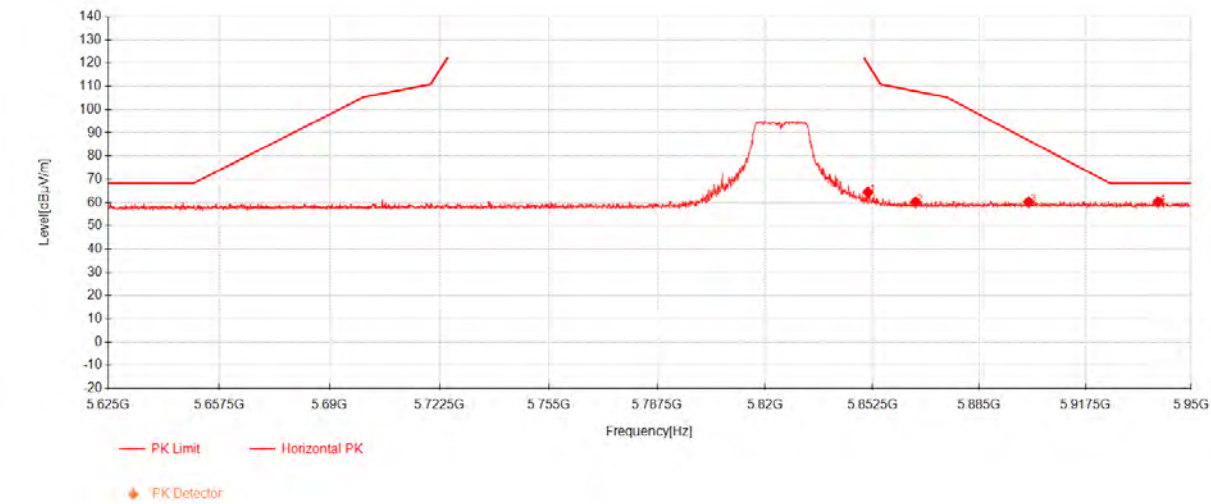
802.11a_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.575	39.19	33.58	-13.68	59.10	68.30	9.20	Vertical
2	5686.2625	39.52	33.73	-13.67	59.58	95.17	35.59	Vertical
3	5713.4	42.88	33.83	-13.64	63.06	109.05	45.99	Vertical
4	5723.8812	51.42	33.86	-13.62	71.66	119.75	48.09	Vertical

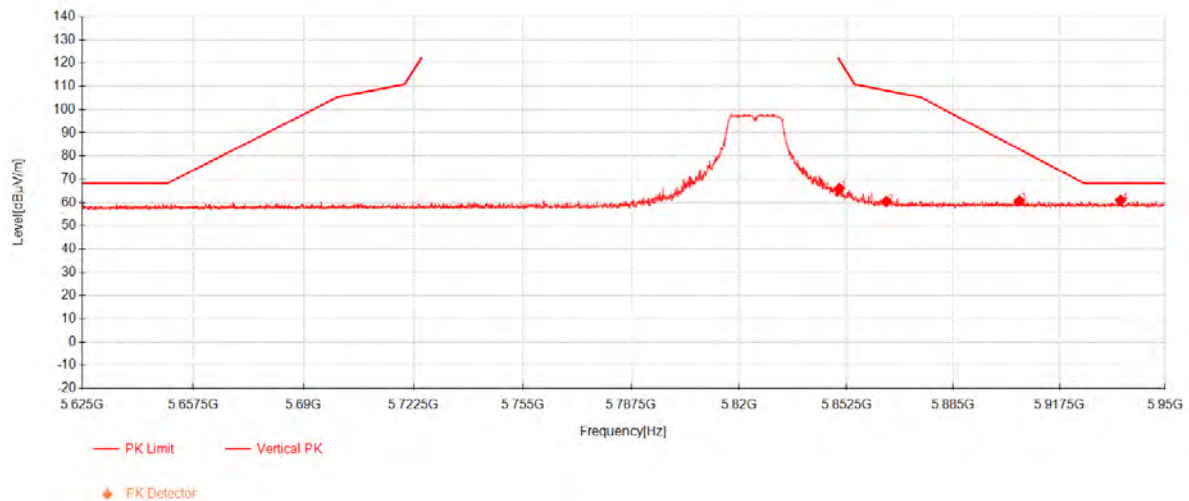
802.11a_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.1188	43.35	34.29	-13.20	64.44	119.75	55.31	Horizontal
2	5865.5812	39.03	34.34	-13.13	60.24	107.93	47.69	Horizontal
3	5900.1125	38.74	34.46	-12.96	60.24	86.68	26.44	Horizontal
4	5939.8438	38.83	34.60	-13.11	60.31	68.30	7.99	Horizontal

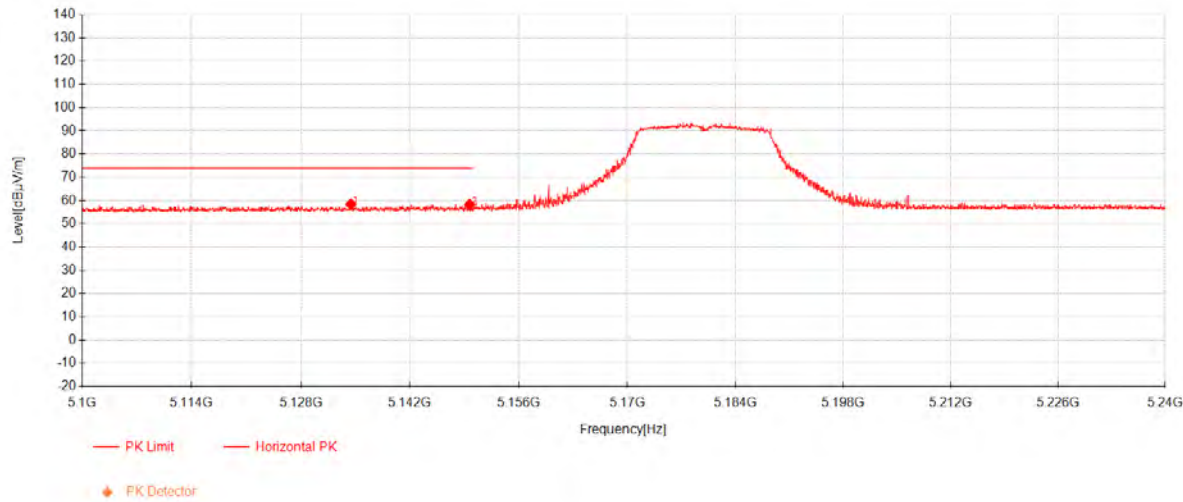
802.11a_Channel 165



Data List

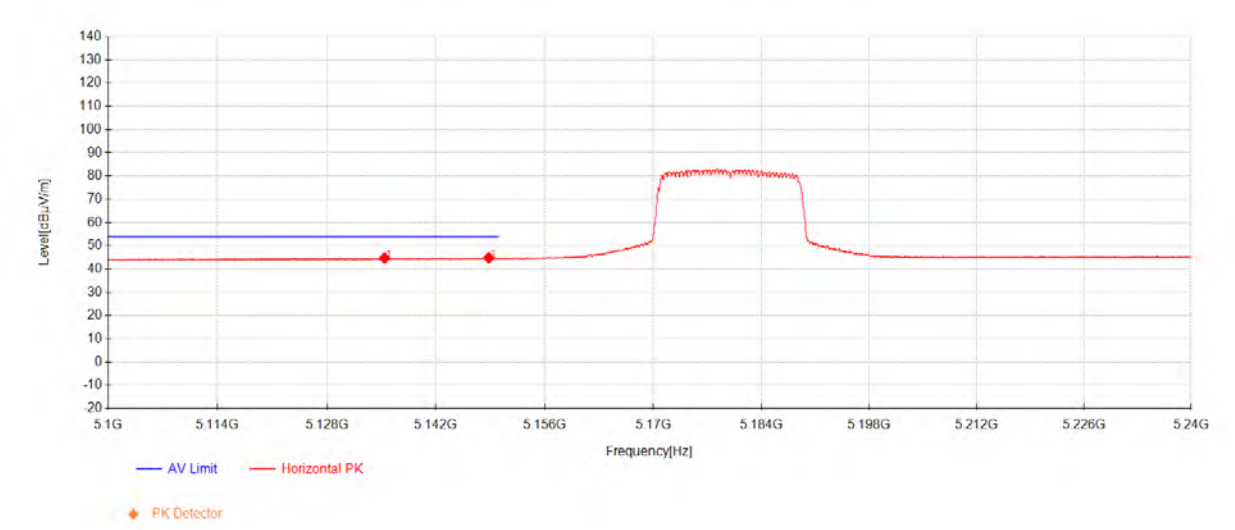
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.3062	44.90	34.29	-13.21	65.98	121.60	55.62	Vertical
2	5864.6062	39.25	34.34	-13.14	60.45	108.21	47.76	Vertical
3	5905.2312	39.19	34.48	-12.98	60.69	82.89	22.20	Vertical
4	5936.2688	39.48	34.58	-13.10	60.97	68.30	7.33	Vertical

802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5134.405	40.05	33.17	-14.86	58.36	74.00	15.64	Horizontal
2	5149.665	39.84	33.17	-14.79	58.22	74.00	15.78	Horizontal

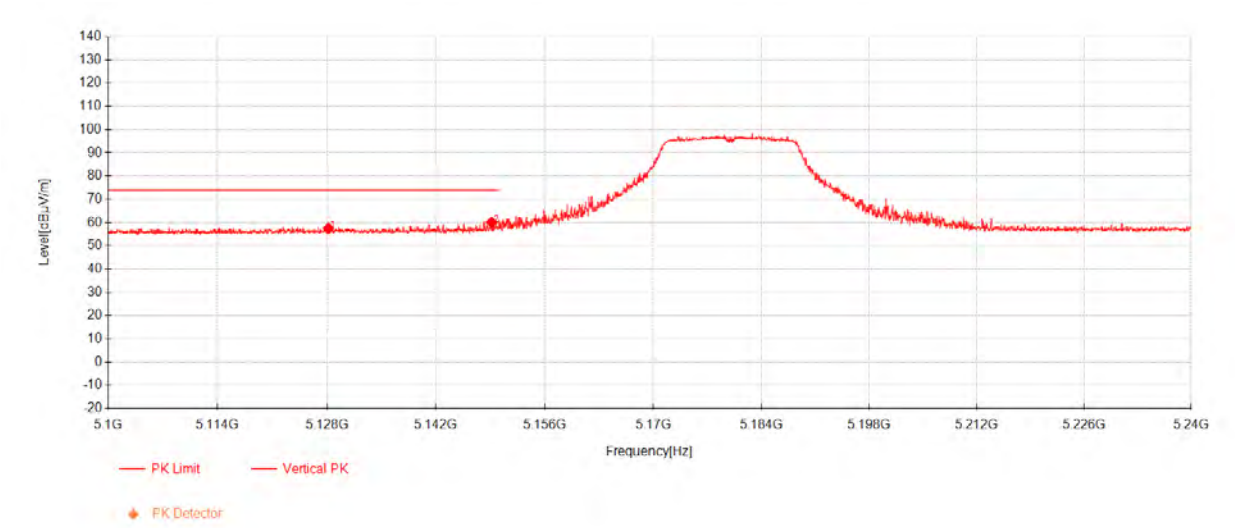
802.11ac20_Channel 36



Data List

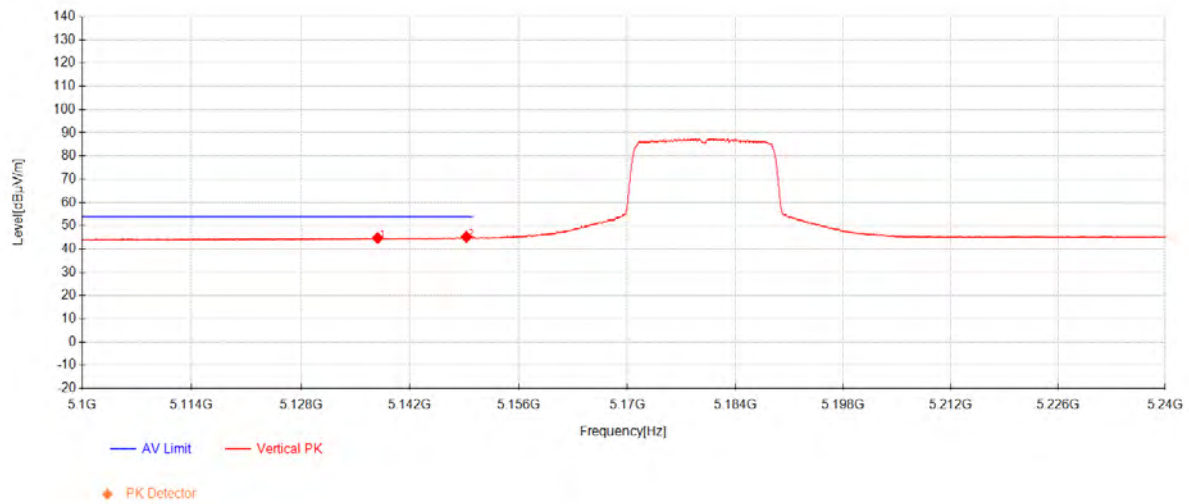
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5135.385	26.42	33.17	-14.85	44.74	54.00	9.26	Horizontal
2	5148.79	26.46	33.17	-14.80	44.83	54.00	9.17	Horizontal

802.11ac20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5128.175	39.18	33.17	-14.89	57.47	74.00	16.53	Vertical
2	5149.14	41.68	33.17	-14.79	60.06	74.00	13.94	Vertical

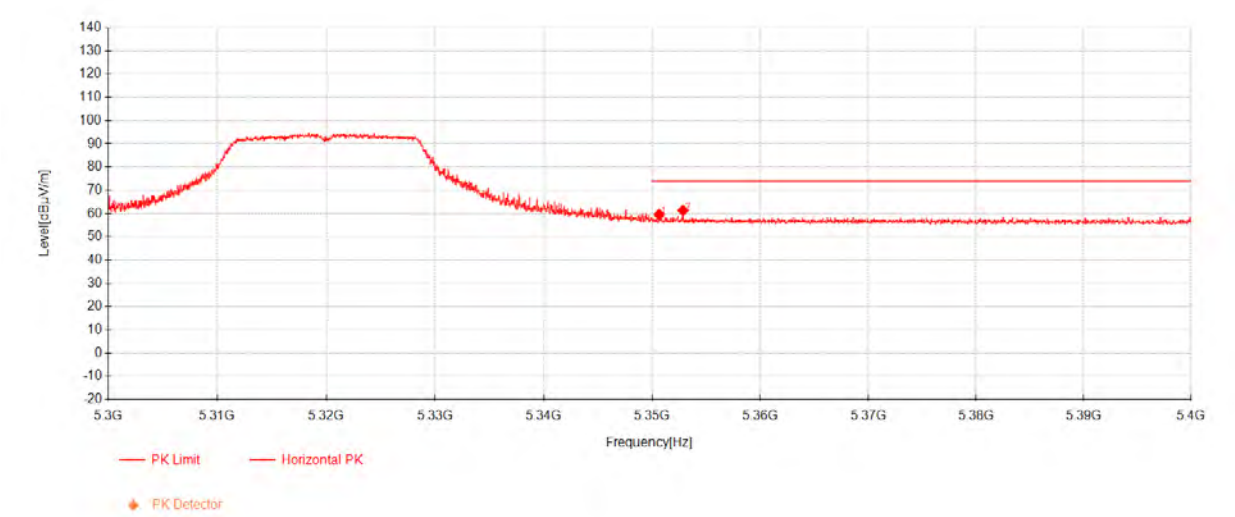
802.11ac20_Channel 36



Data List

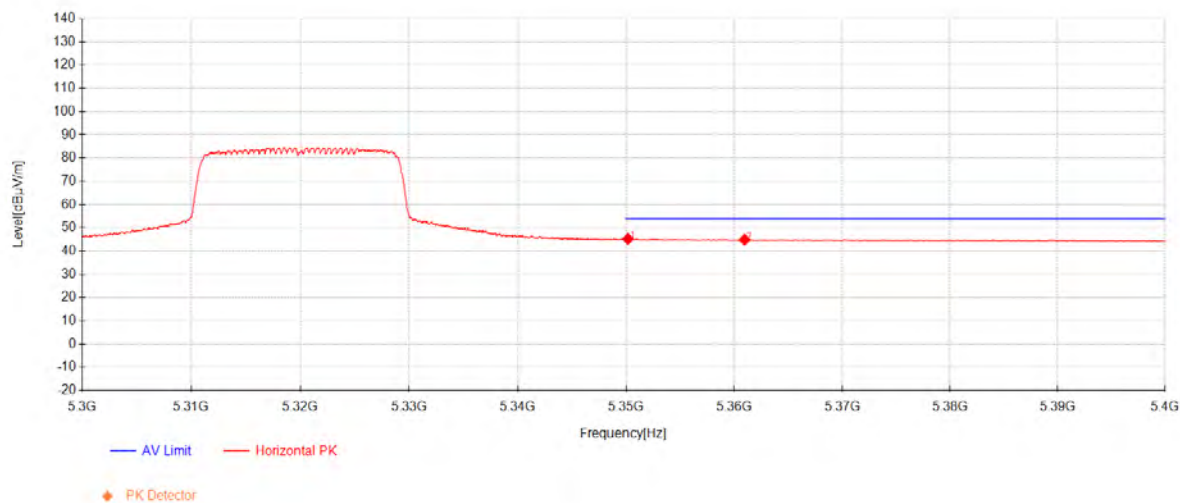
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5137.835	26.43	33.17	-14.84	44.76	54.00	9.24	Vertical
2	5149.245	26.84	33.17	-14.79	45.22	54.00	8.78	Vertical

802.11ac20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.65	40.48	33.13	-14.10	59.51	74.00	14.49	Horizontal
2	5352.85	42.32	33.13	-14.10	61.35	74.00	12.65	Horizontal

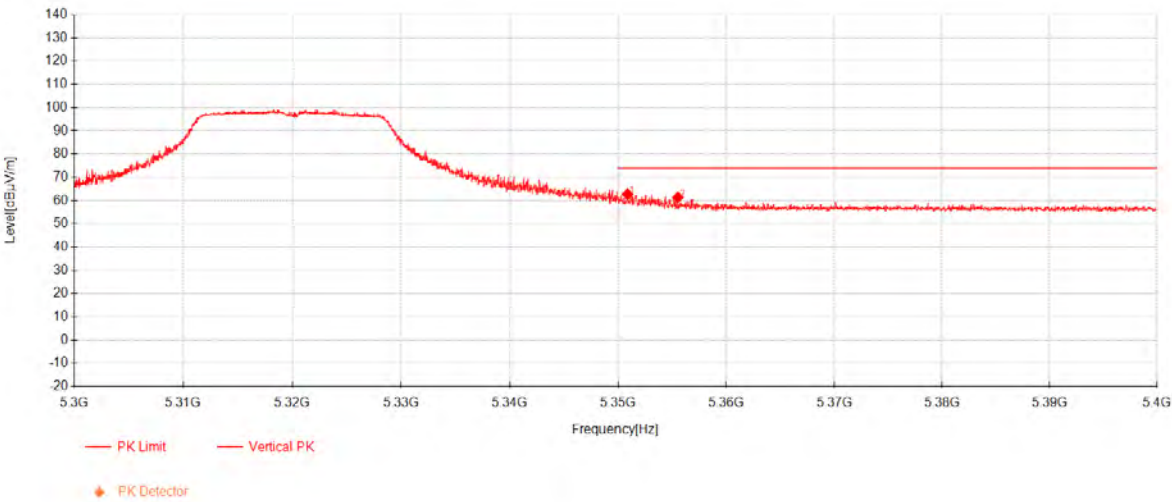
802.11ac20_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.175	26.19	33.13	-14.10	45.22	54.00	8.78	Horizontal
2	5360.95	25.88	33.13	-14.12	44.89	54.00	9.11	Horizontal

802.11ac20_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.875	43.72	33.13	-14.10	62.75	74.00	11.25	Vertical
2	5355.525	42.38	33.13	-14.11	61.40	74.00	12.60	Vertical

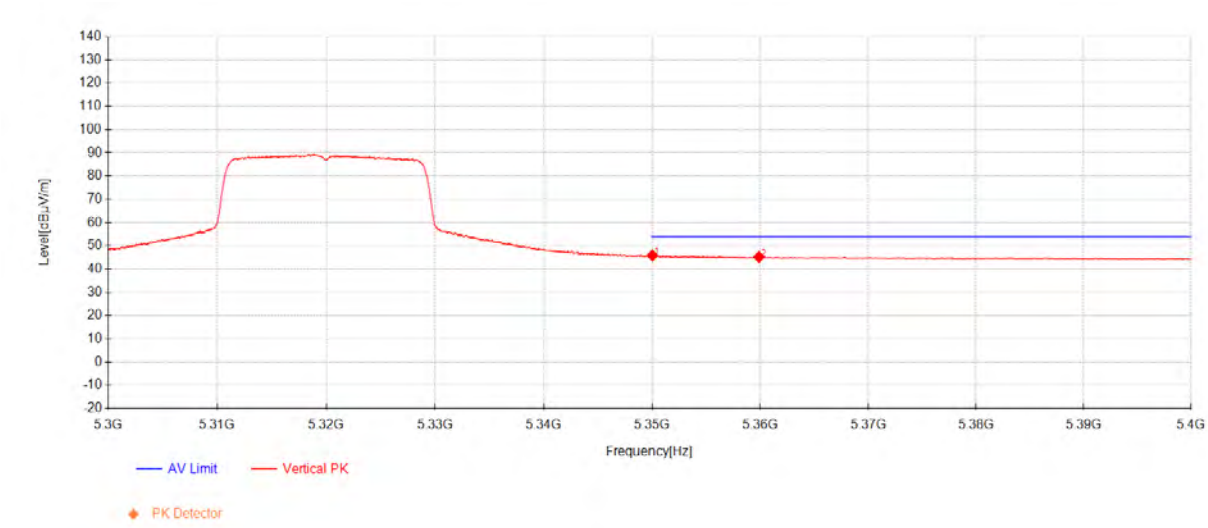
Compliance Certification Services (Kunshan) Inc.

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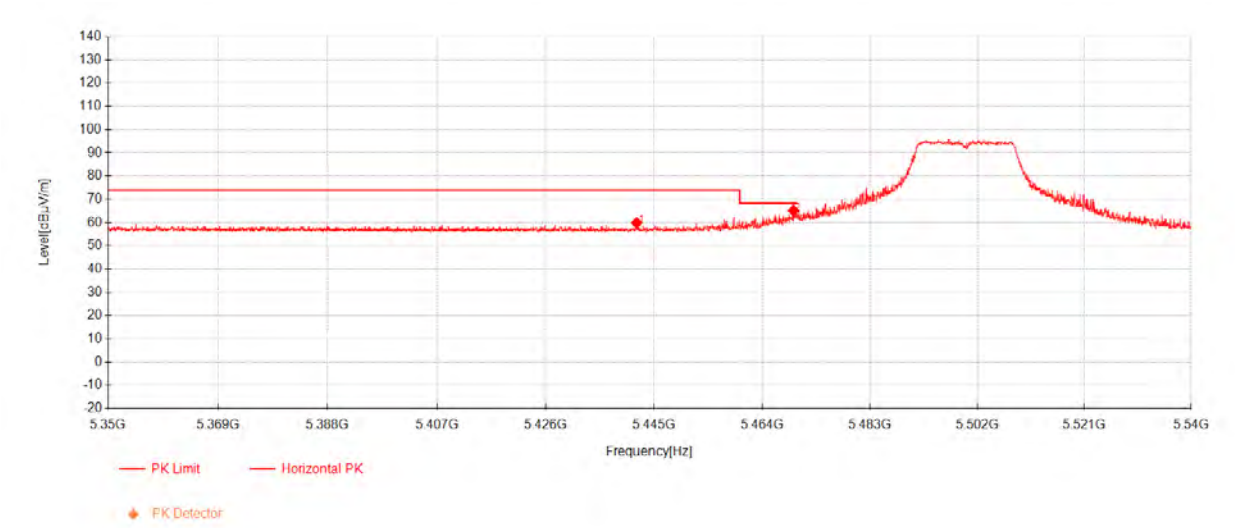
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802.11ac20_Channel 64



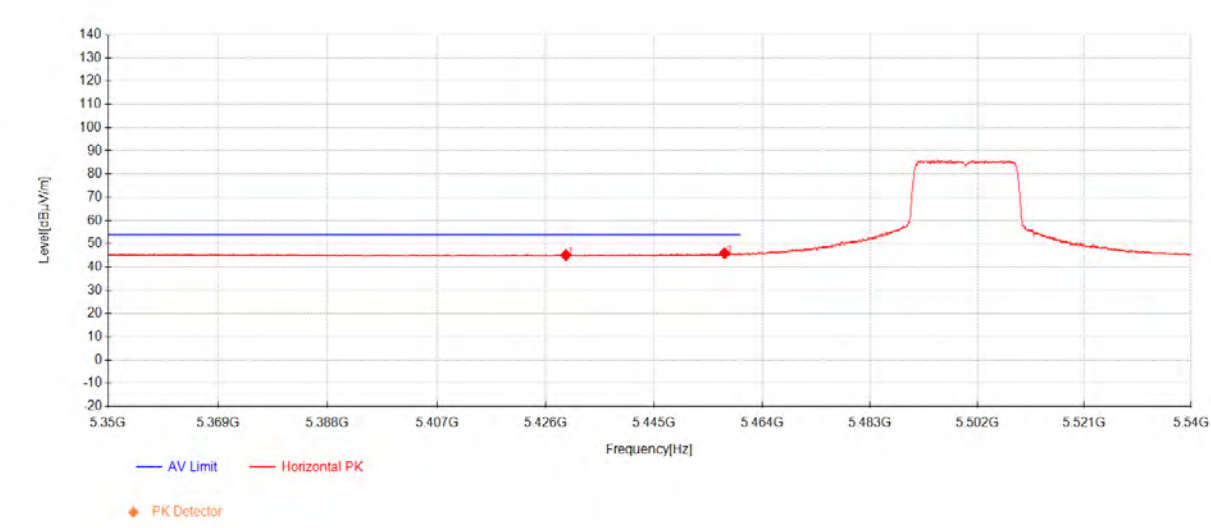
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.025	26.83	33.13	-14.10	45.86	54.00	8.14	Vertical
2	5359.875	26.18	33.13	-14.12	45.19	54.00	8.81	Vertical

802.11ac20_Channel 100



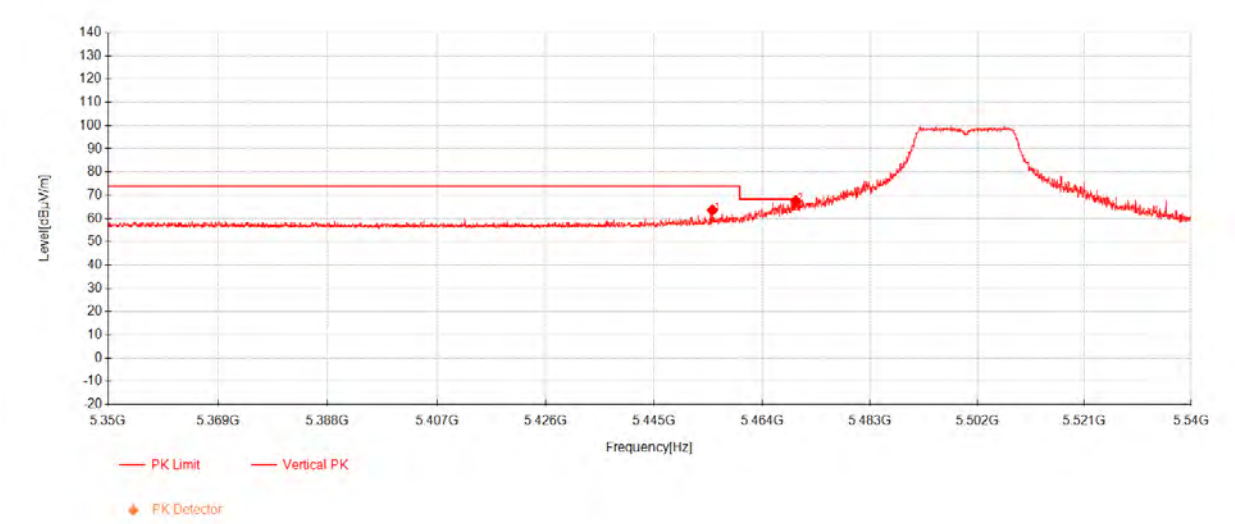
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5441.9125	40.77	33.11	-14.06	59.82	74.00	14.18	Horizontal
2	5469.4625	46.04	33.11	-13.96	65.18	68.30	3.12	Horizontal

802.11ac20_Channel 100



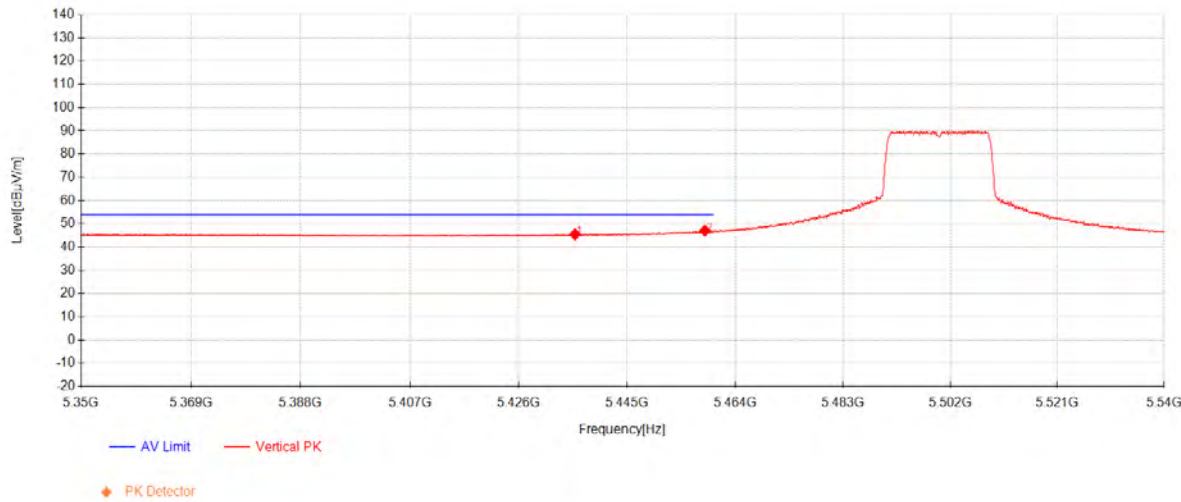
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5429.515	26.13	33.11	-14.10	45.14	54.00	8.86	Horizontal
2	5457.35	26.81	33.11	-14.01	45.91	54.00	8.09	Horizontal

802.11ac20_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5455.2125	44.56	33.11	-14.01	63.66	74.00	10.34	Vertical
2	5469.89	48.42	33.11	-13.96	67.56	68.30	0.74	Vertical

802.11ac20_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5435.8325	26.44	33.11	-14.08	45.47	54.00	8.53	Vertical
2	5458.6325	27.90	33.11	-14.00	47.01	54.00	6.99	Vertical

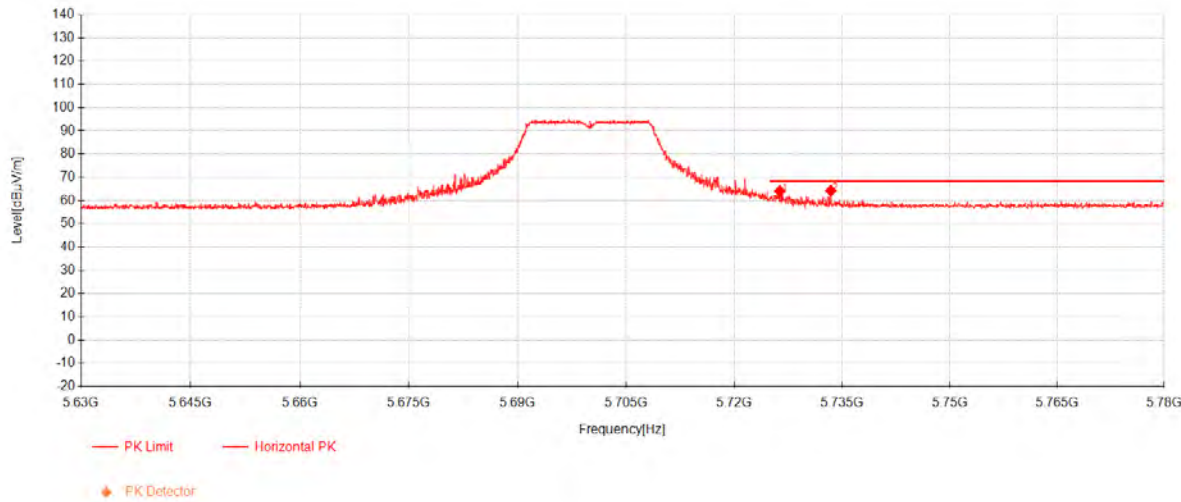
Compliance Certification Services (Kunshan) Inc.

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802.11ac20_Channel 140



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.3375	43.84	33.87	-13.61	64.09	68.30	4.21	Horizontal
2	5733.425	43.99	33.89	-13.60	64.28	68.30	4.02	Horizontal

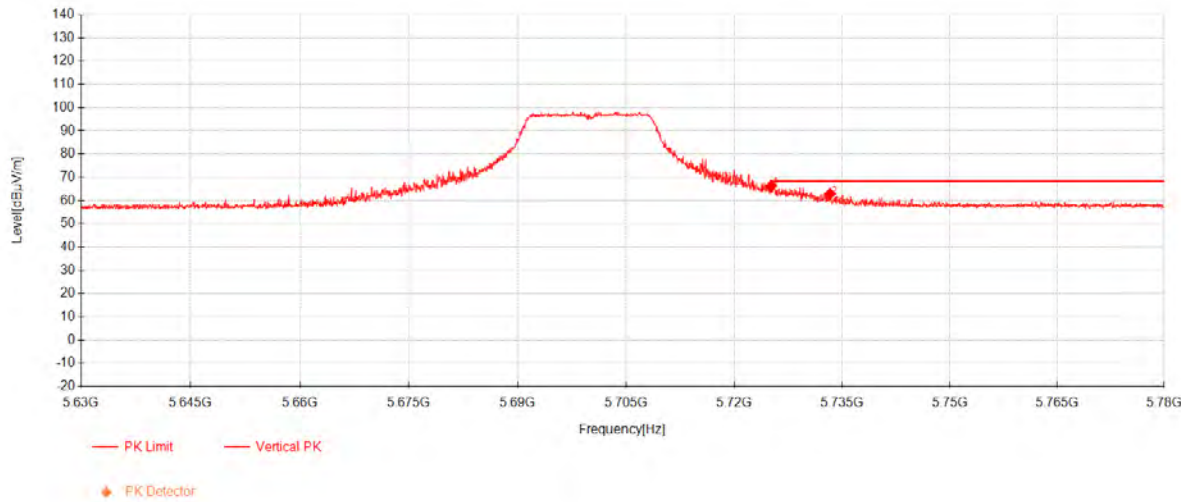
Compliance Certification Services (Kunshan) Inc.

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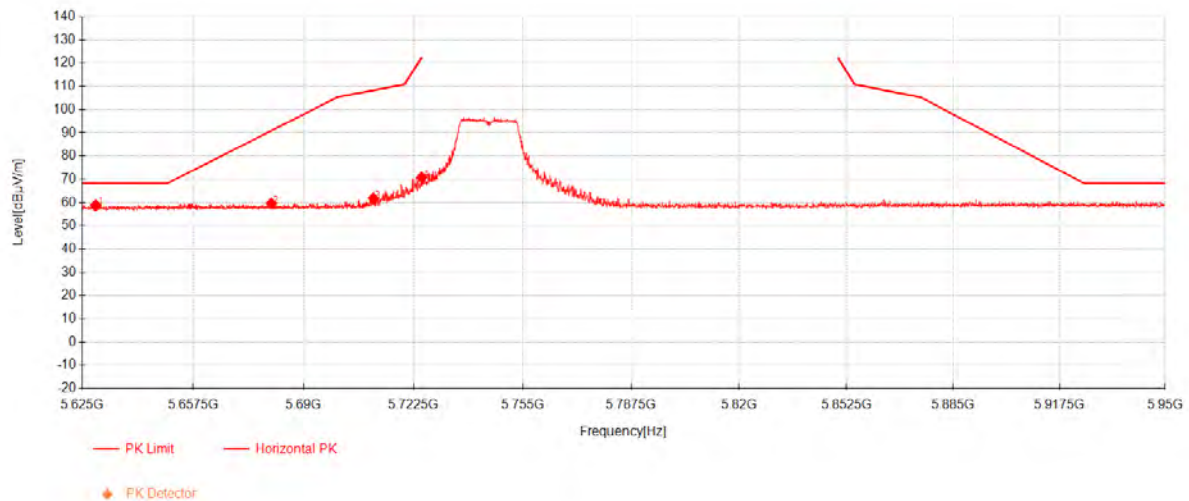
802.11ac20_Channel 140



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.1375	46.12	33.87	-13.62	66.37	68.30	1.93	Vertical
2	5733.3125	42.56	33.89	-13.60	62.85	68.30	5.45	Vertical

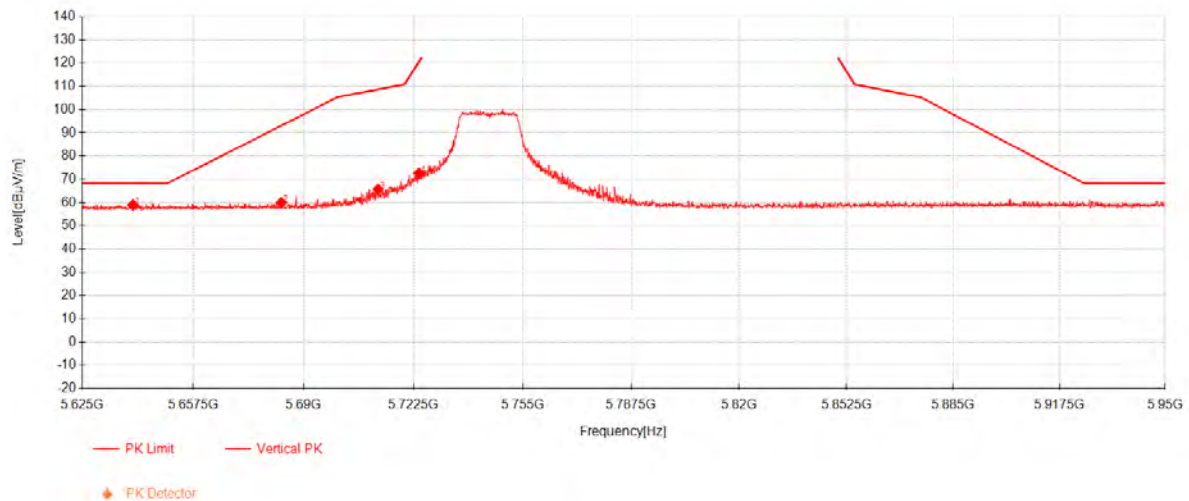
802.11ac20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5628.9812	38.95	33.54	-13.68	58.81	68.30	9.49	Horizontal
2	5680.4938	39.52	33.71	-13.67	59.56	90.90	31.34	Horizontal
3	5710.6375	41.72	33.82	-13.65	61.89	108.28	46.39	Horizontal
4	5724.9375	50.50	33.86	-13.62	70.75	122.16	51.41	Horizontal

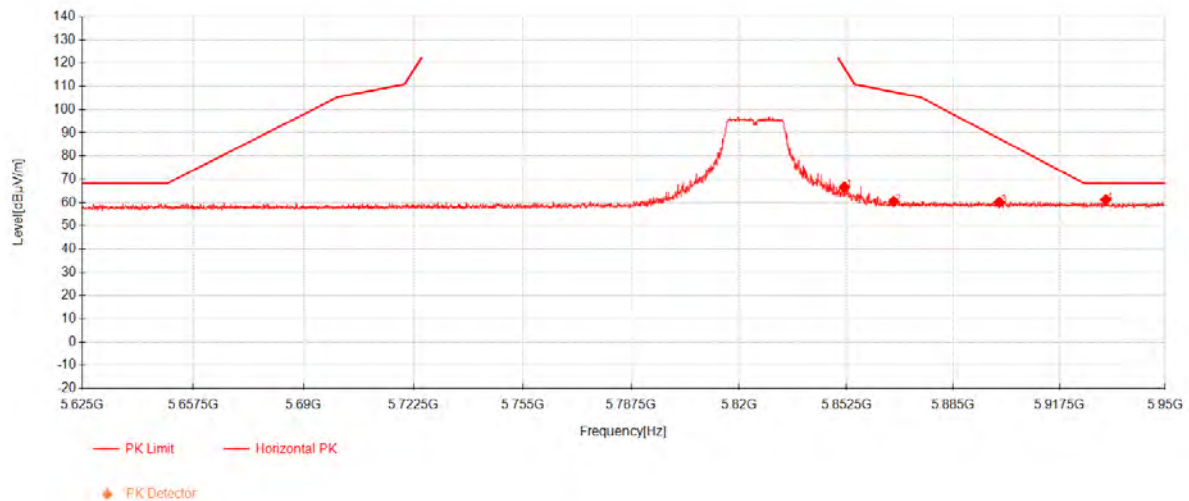
802.11ac20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5639.8688	39.04	33.58	-13.68	58.94	68.30	9.36	Vertical
2	5683.4188	39.81	33.72	-13.67	59.86	93.07	33.21	Vertical
3	5712.0188	45.50	33.82	-13.64	65.68	108.67	42.99	Vertical
4	5724.125	52.31	33.86	-13.62	72.55	120.31	47.76	Vertical

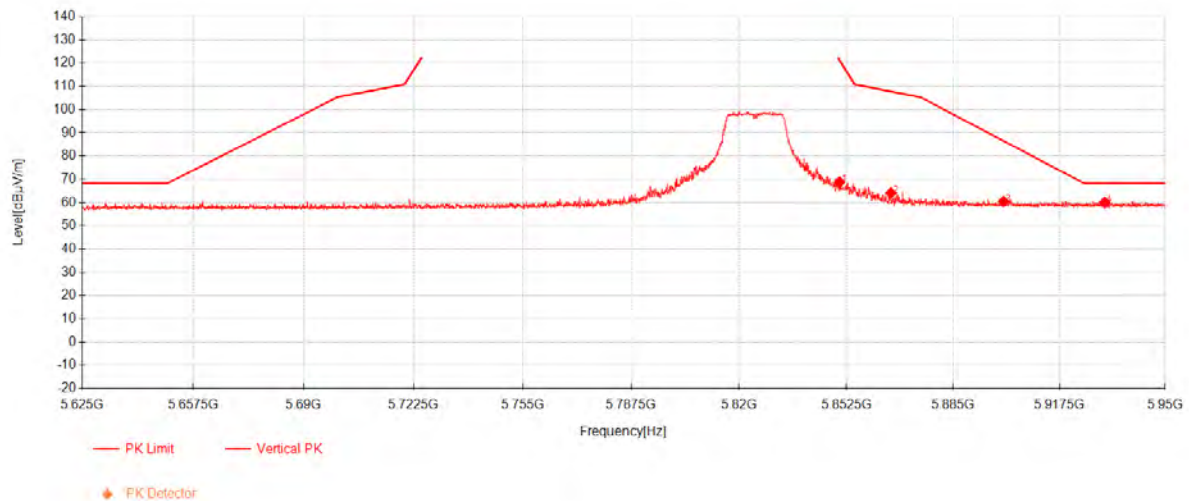
802.11ac20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.85	45.55	34.30	-13.20	66.65	118.08	51.43	Horizontal
2	5866.8	39.23	34.35	-13.13	60.45	107.59	47.14	Horizontal
3	5899.0562	38.64	34.46	-12.96	60.13	87.46	27.33	Horizontal
4	5931.7188	39.73	34.57	-13.08	61.22	68.30	7.08	Horizontal

802.11ac20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.3875	47.66	34.29	-13.21	68.74	121.42	52.68	Vertical
2	5865.9875	42.87	34.34	-13.13	64.08	107.82	43.74	Vertical
3	5900.3562	38.98	34.46	-12.96	60.48	86.50	26.02	Vertical
4	5931.3938	38.57	34.57	-13.08	60.06	68.30	8.24	Vertical

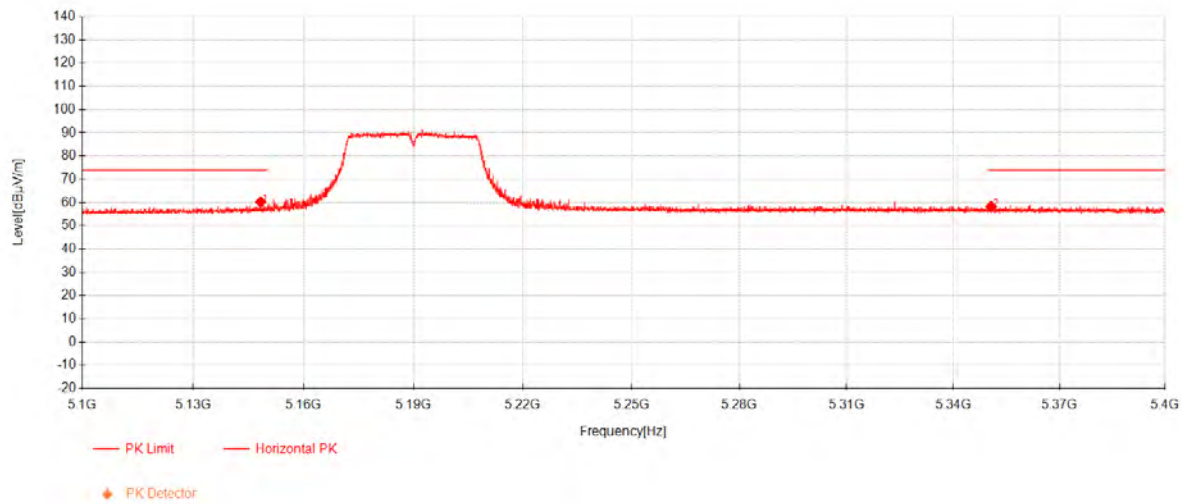
Compliance Certification Services (Kunshan) Inc.

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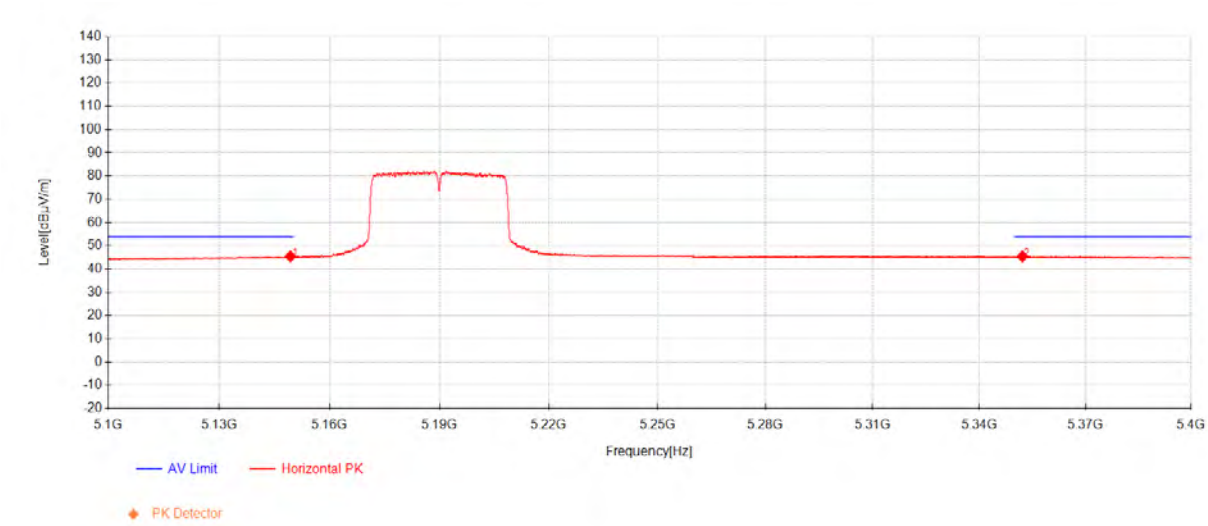
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802.11ac40_Channel 38



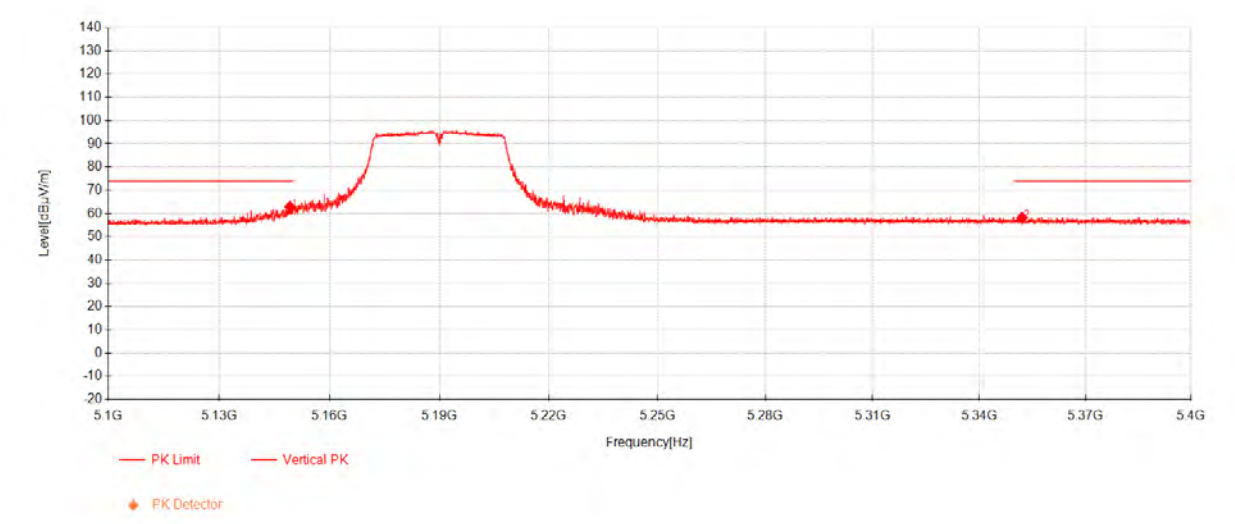
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.32	41.83	33.17	-14.80	60.20	74.00	13.80	Horizontal
2	5350.65	39.19	33.13	-14.10	58.22	74.00	15.78	Horizontal

802.11ac40_Channel 38



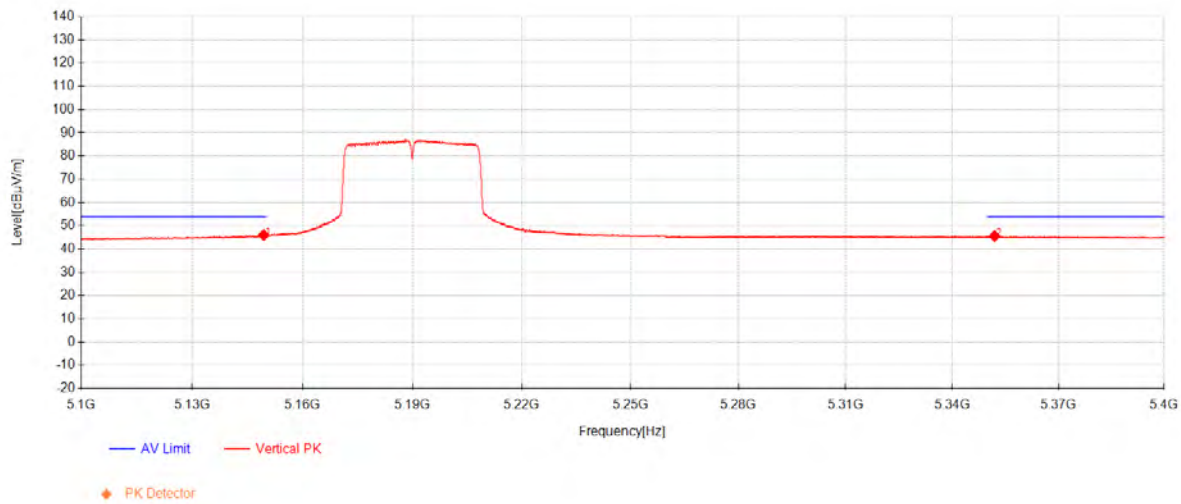
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.32	27.08	33.17	-14.79	45.46	54.00	8.54	Horizontal
2	5352.155	26.41	33.13	-14.10	45.44	54.00	8.56	Horizontal

802.11ac40_Channel 38



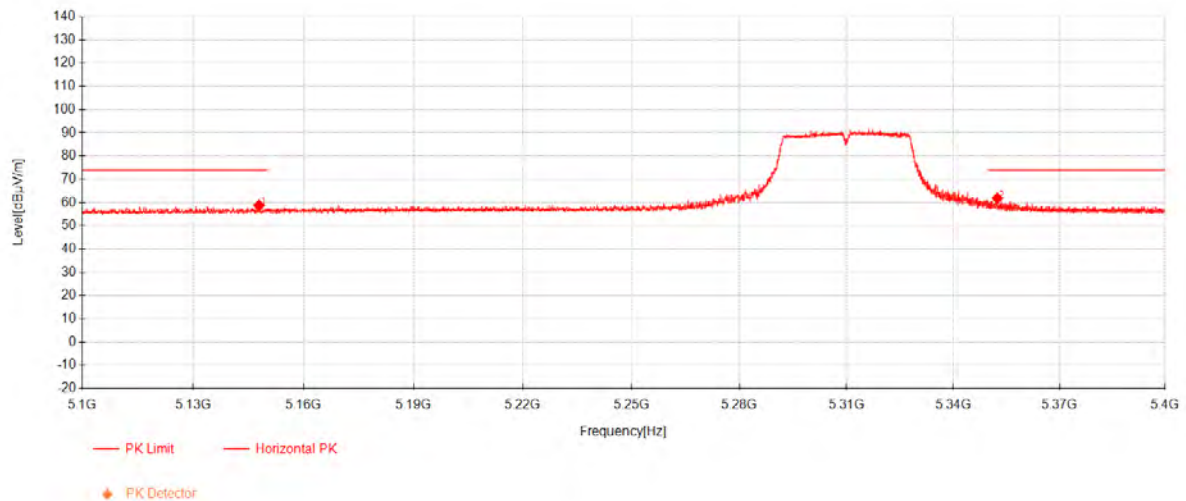
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.2	44.55	33.17	-14.79	62.93	74.00	11.07	Vertical
2	5352.015	39.11	33.13	-14.10	58.14	74.00	15.86	Vertical

802.11ac40_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.4	27.64	33.17	-14.79	46.02	54.00	7.98	Vertical
2	5351.91	26.57	33.13	-14.10	45.60	54.00	8.40	Vertical

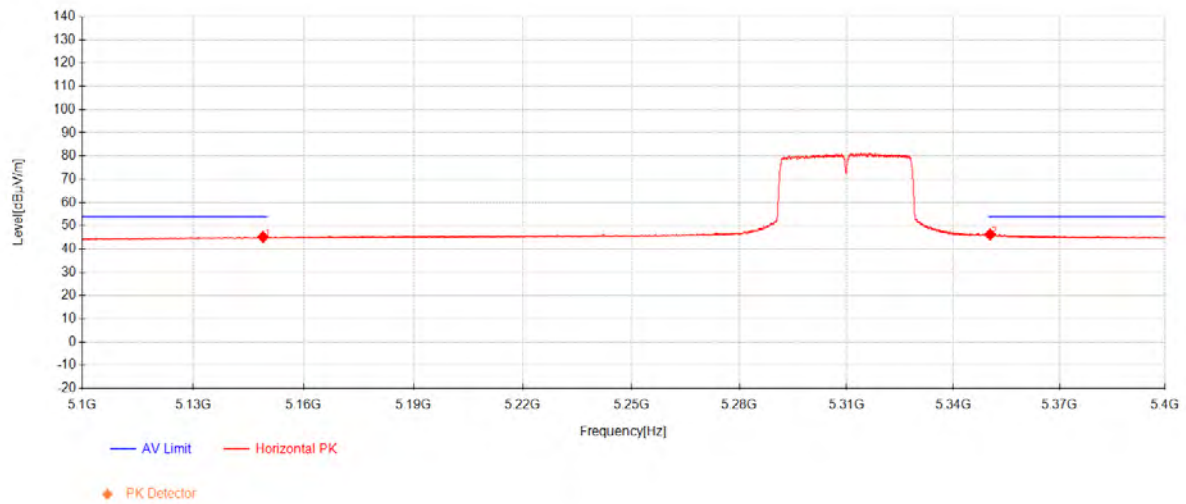
802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.85	40.36	33.17	-14.80	58.73	74.00	15.27	Horizontal
2	5352.4	42.77	33.13	-14.10	61.80	74.00	12.20	Horizontal

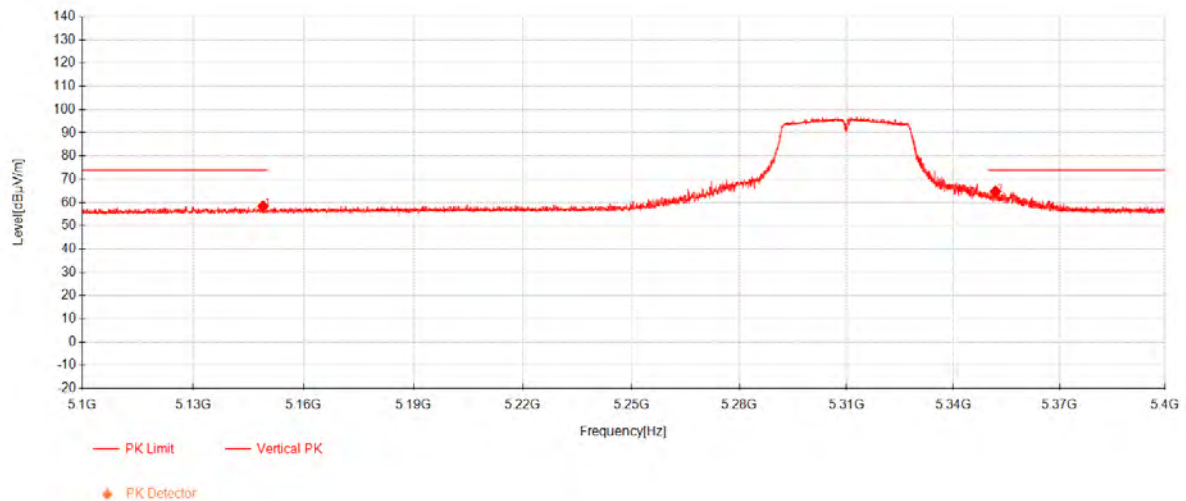
802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.95	26.81	33.17	-14.79	45.19	54.00	8.81	Horizontal
2	5350.35	27.23	33.13	-14.10	46.26	54.00	7.74	Horizontal

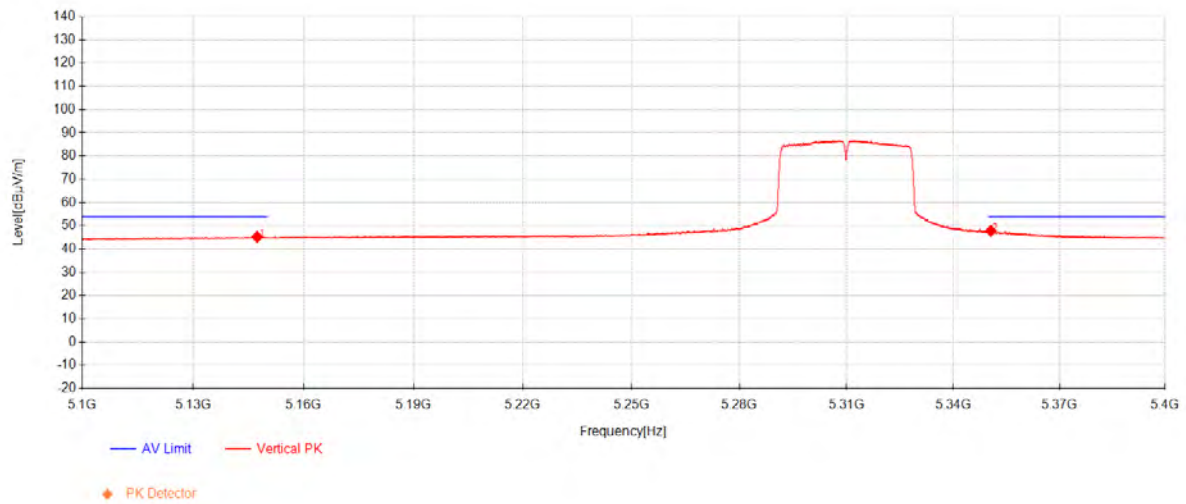
802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.95	40.02	33.17	-14.79	58.40	74.00	15.60	Vertical
2	5351.9	45.73	33.13	-14.10	64.76	74.00	9.24	Vertical

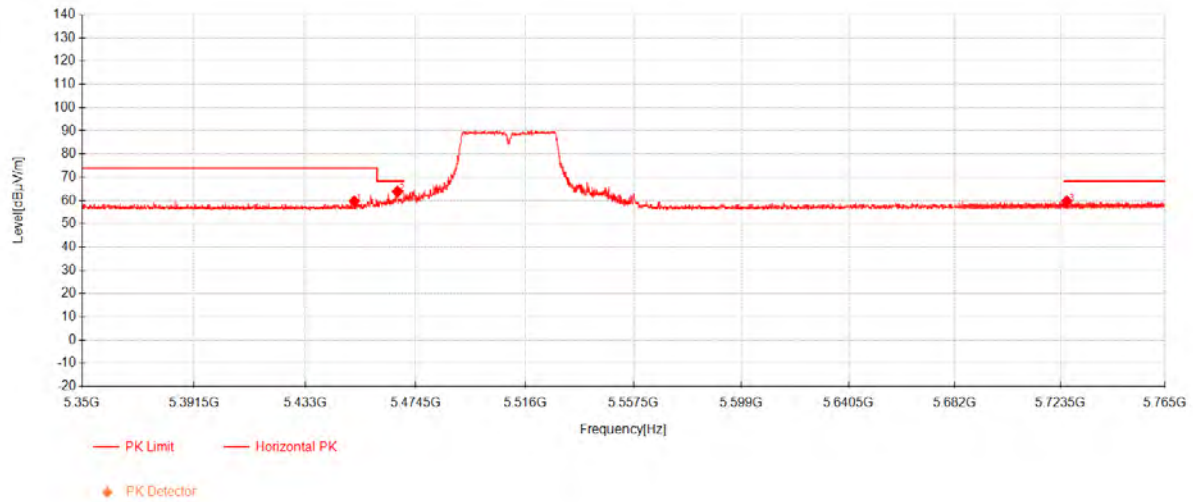
802.11ac40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.35	26.86	33.17	-14.80	45.23	54.00	8.77	Vertical
2	5350.575	28.77	33.13	-14.10	47.80	54.00	6.20	Vertical

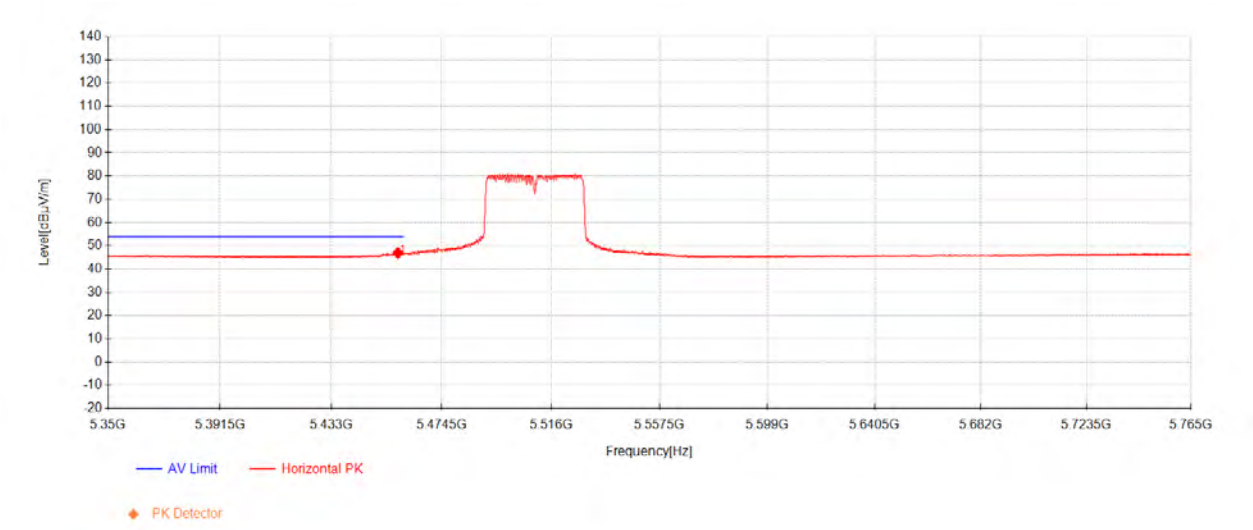
802.11ac40_Channel 102



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5451.4212	40.56	33.11	-14.03	59.64	74.00	14.36	Horizontal
2	5467.6688	44.78	33.11	-13.97	63.92	68.30	4.38	Horizontal
3	5726.06	39.43	33.87	-13.62	59.68	68.30	8.62	Horizontal

802.11ac40_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.0375	27.80	33.11	-14.00	46.91	54.00	7.09	Horizontal

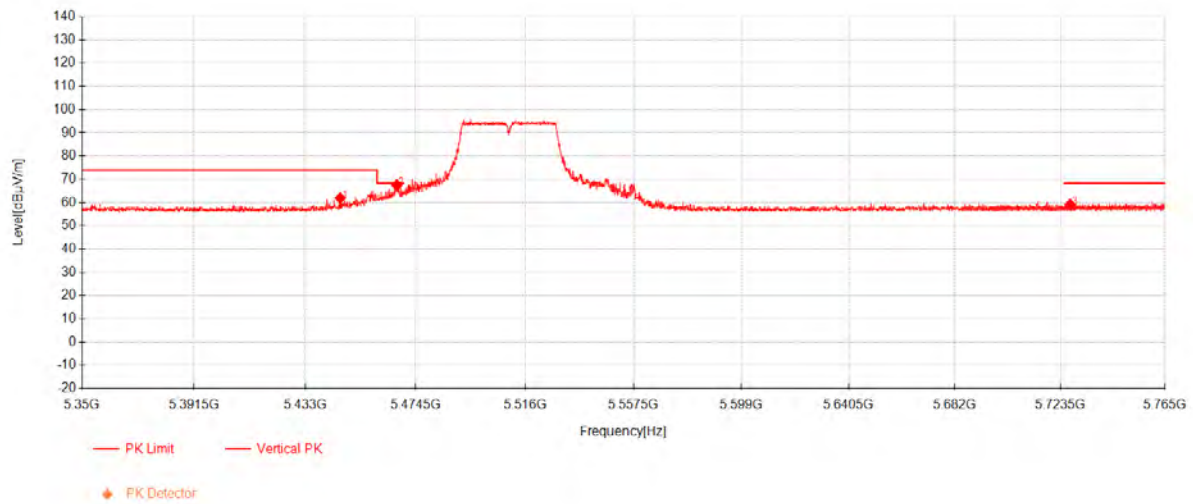
Compliance Certification Services (Kunshan) Inc.

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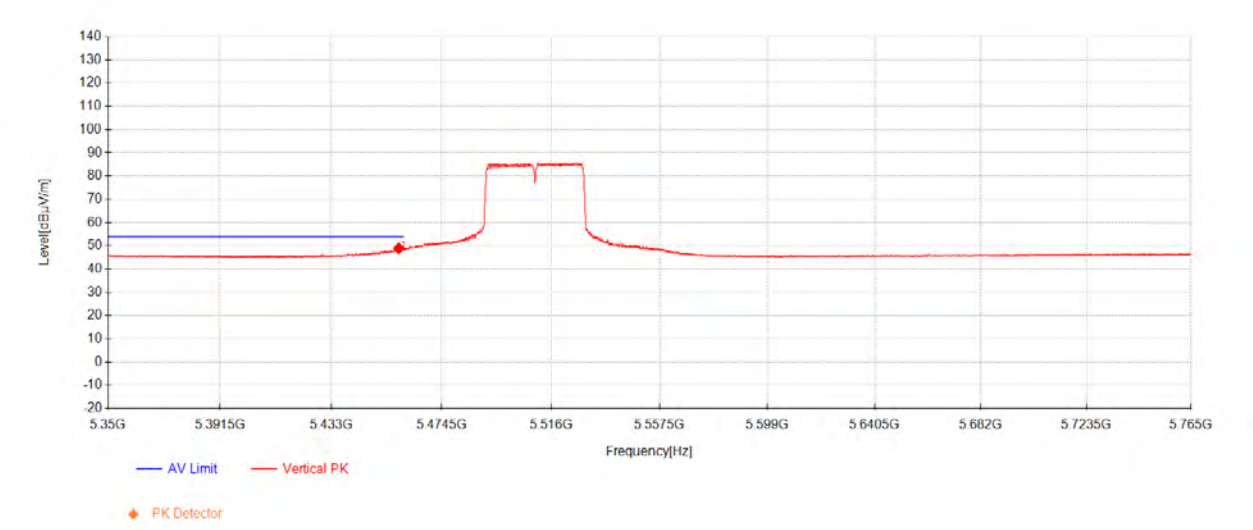
802.11ac40_Channel 102



Data List

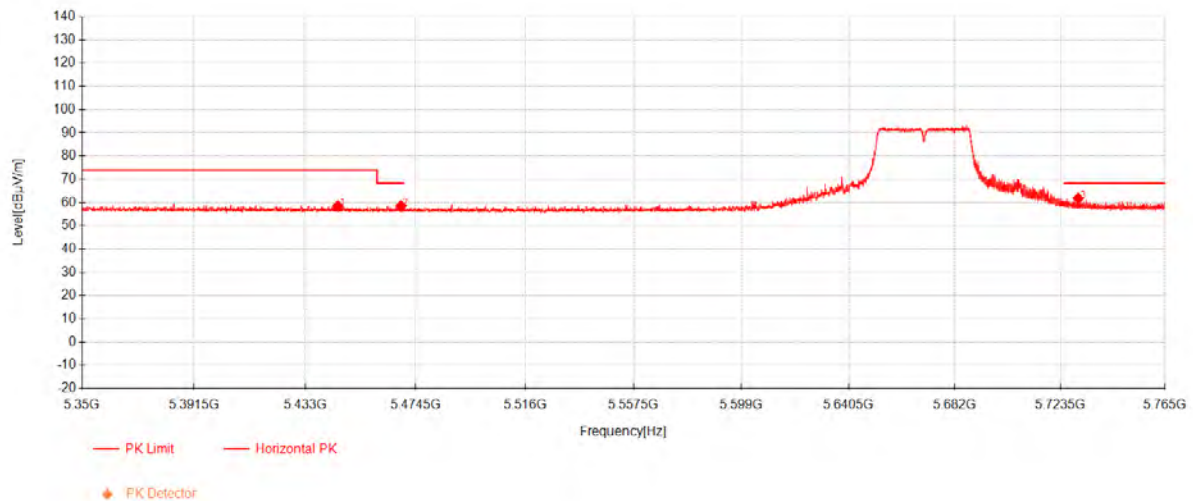
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.145	42.83	33.11	-14.04	61.90	74.00	12.10	Vertical
2	5467.4175	48.36	33.11	-13.97	67.50	68.30	0.80	Vertical
3	5727.42	38.84	33.87	-13.61	59.10	68.30	9.20	Vertical

802.11ac40_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.3725	29.77	33.11	-14.00	48.88	54.00	5.12	Vertical

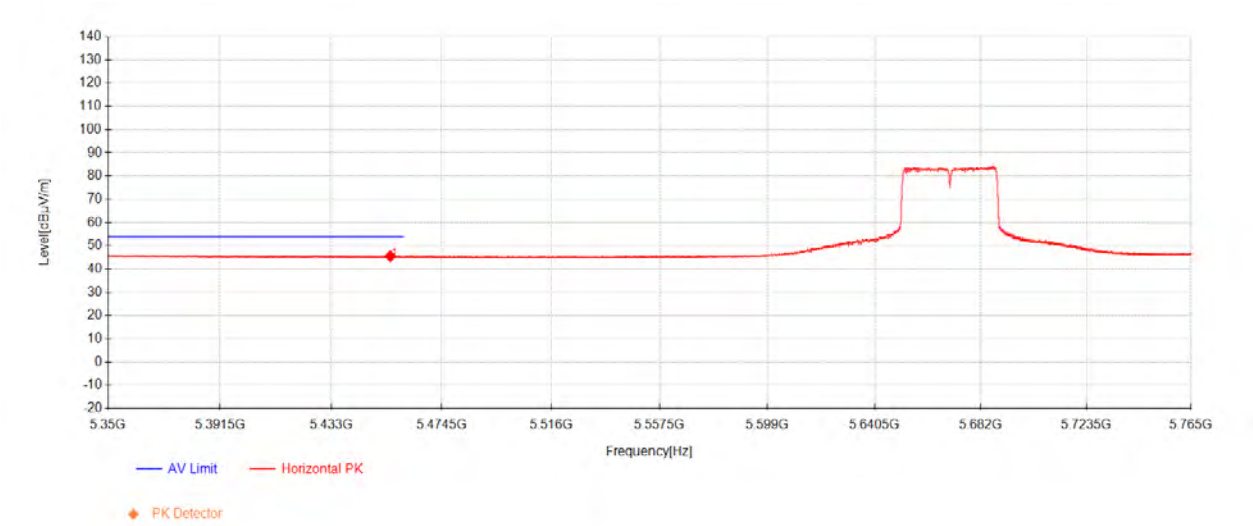
802.11ac40_Channel 134



Data List

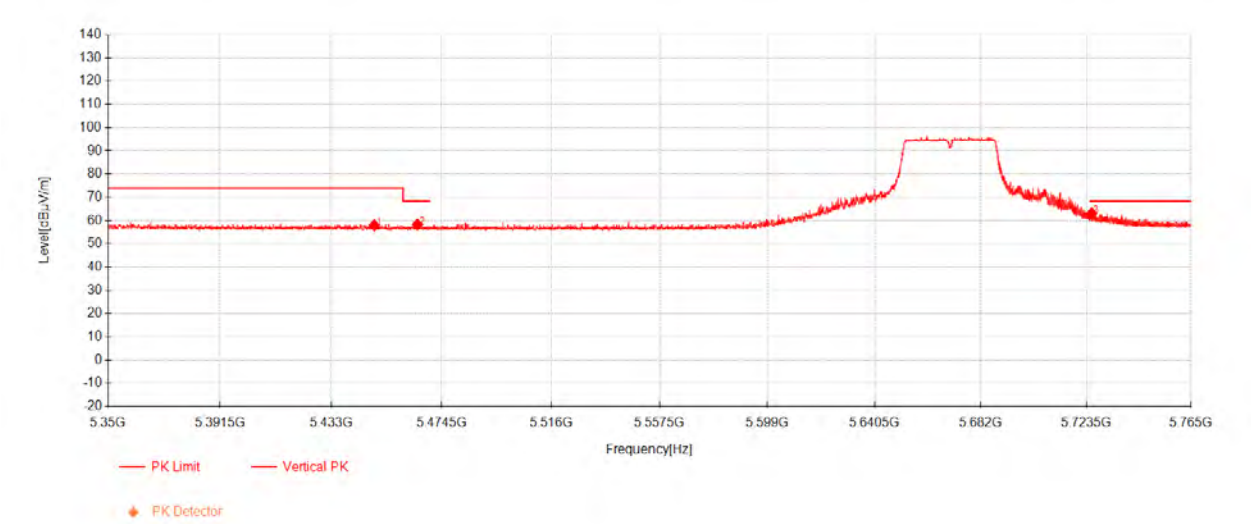
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.2238	39.33	33.11	-14.05	58.39	74.00	15.61	Horizontal
2	5469.0088	39.33	33.11	-13.97	58.47	68.30	9.83	Horizontal
3	5730.56	41.49	33.88	-13.61	61.77	68.30	6.53	Horizontal

802.11ac40_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5455.19	26.45	33.11	-14.01	45.55	54.00	8.45	Horizontal

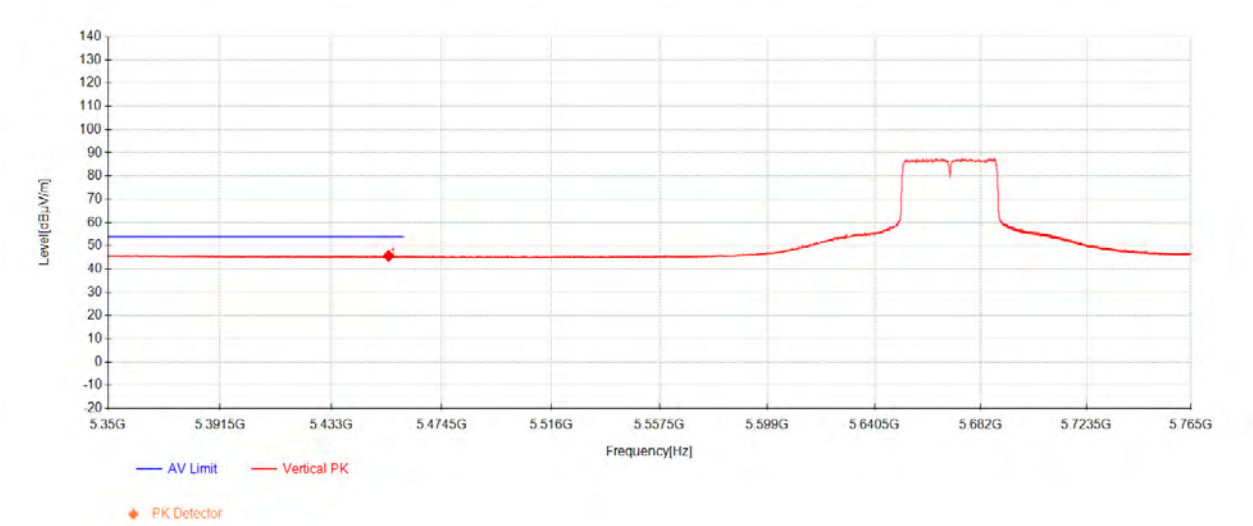
802.11ac40_Channel 134



Data List

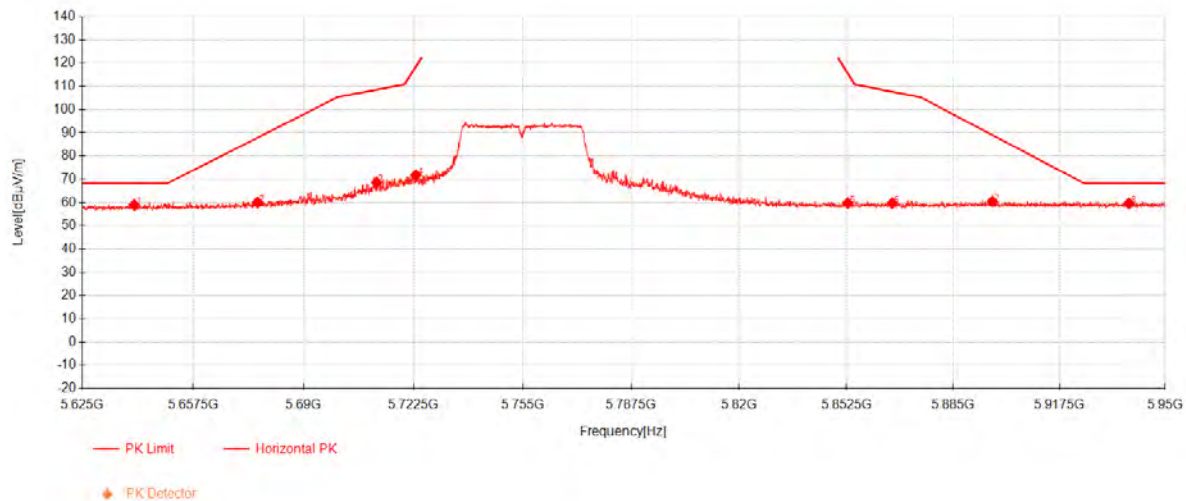
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.16	38.89	33.11	-14.03	57.97	74.00	16.03	Vertical
2	5465.4075	39.13	33.11	-13.98	58.26	68.30	10.04	Vertical
3	5725.64	42.96	33.87	-13.62	63.21	68.30	5.09	Vertical

802.11ac40_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5454.52	26.55	33.11	-14.01	45.64	54.00	8.36	Vertical

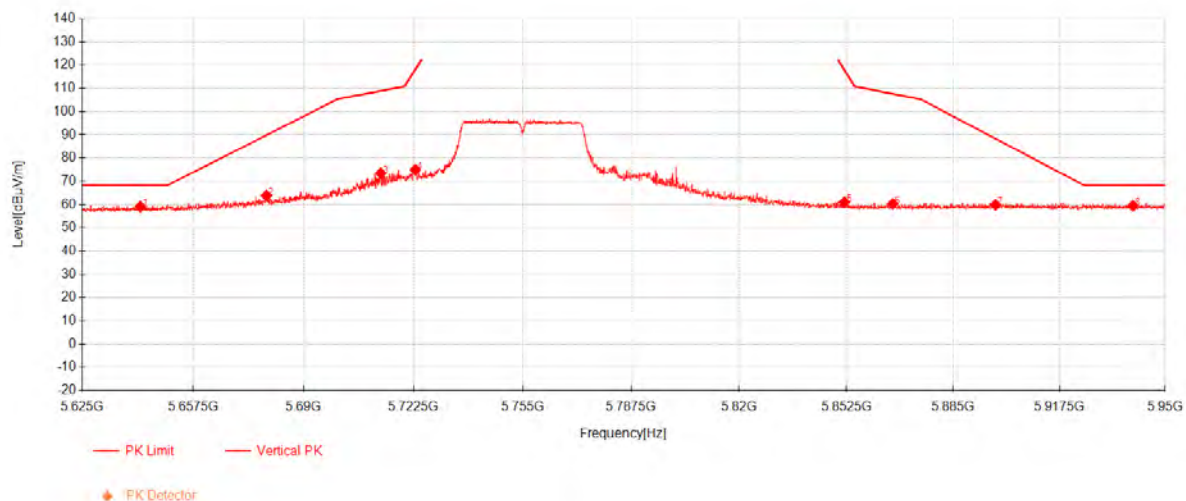
802.11ac40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5640.1938	39.06	33.58	-13.68	58.96	68.30	9.34	Horizontal
2	5676.4312	40.03	33.70	-13.67	60.06	87.90	27.84	Horizontal
3	5711.6125	48.45	33.82	-13.65	68.62	108.55	39.93	Horizontal
4	5723.2312	51.53	33.86	-13.62	71.77	118.27	46.50	Horizontal
5	5852.9062	38.64	34.30	-13.20	59.74	115.67	55.93	Horizontal
6	5866.3938	38.45	34.35	-13.13	59.67	107.71	48.04	Horizontal
7	5896.9438	39.01	34.45	-12.98	60.48	89.02	28.54	Horizontal
8	5938.8688	38.12	34.59	-13.11	59.60	68.30	8.70	Horizontal

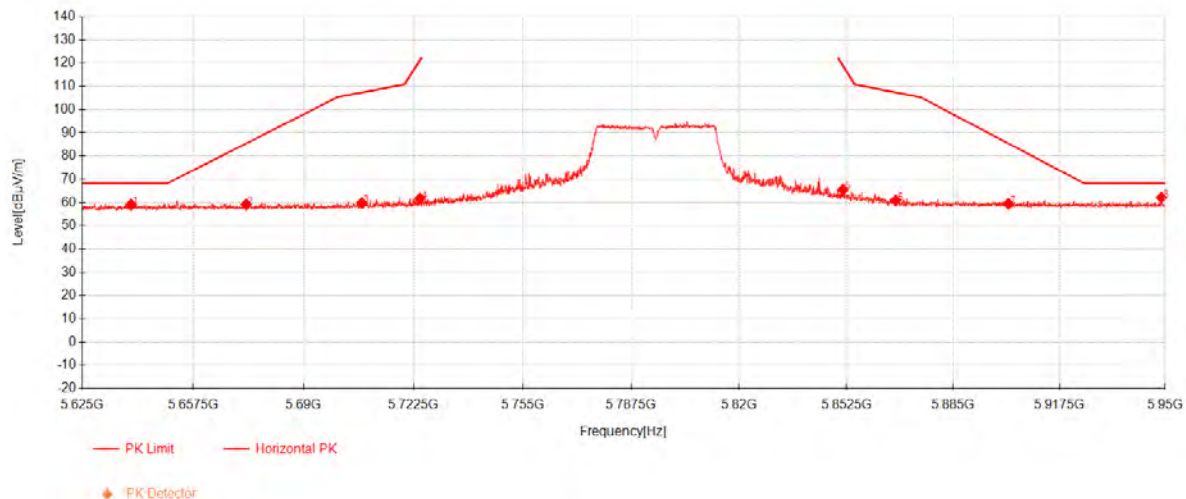
802.11ac40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.0625	39.17	33.58	-13.68	59.08	68.30	9.22	Vertical
2	5679.0312	43.82	33.71	-13.67	63.86	89.82	25.96	Vertical
3	5712.8312	53.28	33.82	-13.64	73.46	108.90	35.44	Vertical
4	5723.0688	54.73	33.86	-13.62	74.97	117.90	42.93	Vertical
5	5851.85	39.89	34.30	-13.20	60.99	118.08	57.09	Vertical
6	5866.5562	39.09	34.35	-13.13	60.31	107.66	47.35	Vertical
7	5897.9188	38.37	34.45	-12.97	59.85	88.30	28.45	Vertical
8	5940.0875	37.98	34.60	-13.11	59.46	68.30	8.84	Vertical

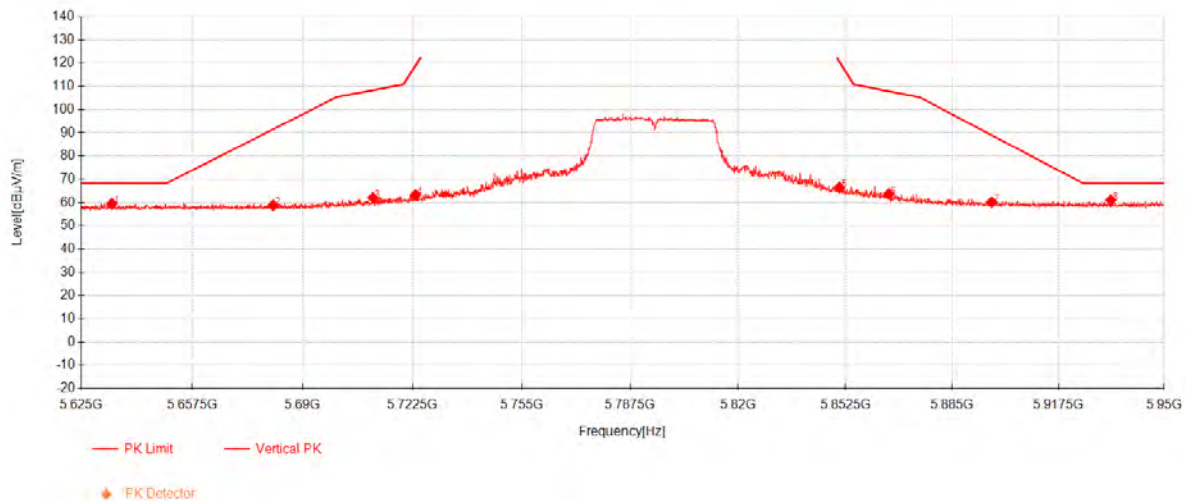
802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5639.3	39.19	33.57	-13.68	59.09	68.30	9.21	Horizontal
2	5673.1	39.15	33.69	-13.67	59.17	85.43	26.26	Horizontal
3	5707.225	39.66	33.80	-13.65	59.81	107.33	47.52	Horizontal
4	5724.45	41.53	33.86	-13.62	61.77	121.05	59.28	Horizontal
5	5851.4438	44.52	34.29	-13.20	65.61	119.01	53.40	Horizontal
6	5867.45	39.71	34.35	-13.12	60.94	107.41	46.47	Horizontal
7	5901.8188	37.97	34.47	-12.97	59.47	85.42	25.95	Horizontal
8	5948.8625	40.67	34.63	-13.15	62.15	68.30	6.15	Horizontal

802.11ac40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5634.0188	39.60	33.56	-13.68	59.48	68.30	8.82	Vertical
2	5681.3062	38.73	33.72	-13.67	58.77	91.50	32.73	Vertical
3	5710.8	41.89	33.82	-13.65	62.06	108.33	46.27	Vertical
4	5723.3938	43.09	33.86	-13.62	63.33	118.64	55.31	Vertical
5	5850.6312	45.37	34.29	-13.21	66.46	120.86	54.40	Vertical
6	5865.6625	42.53	34.34	-13.13	63.74	107.91	44.17	Vertical
7	5897.025	38.69	34.45	-12.97	60.17	88.96	28.79	Vertical
8	5933.5875	39.55	34.57	-13.09	61.04	68.30	7.26	Vertical

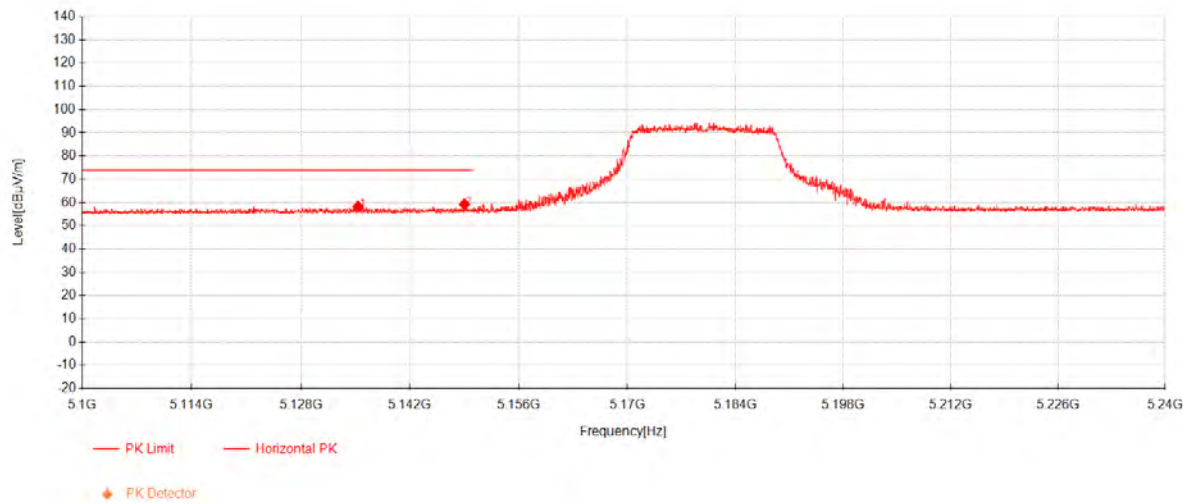
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240900172502

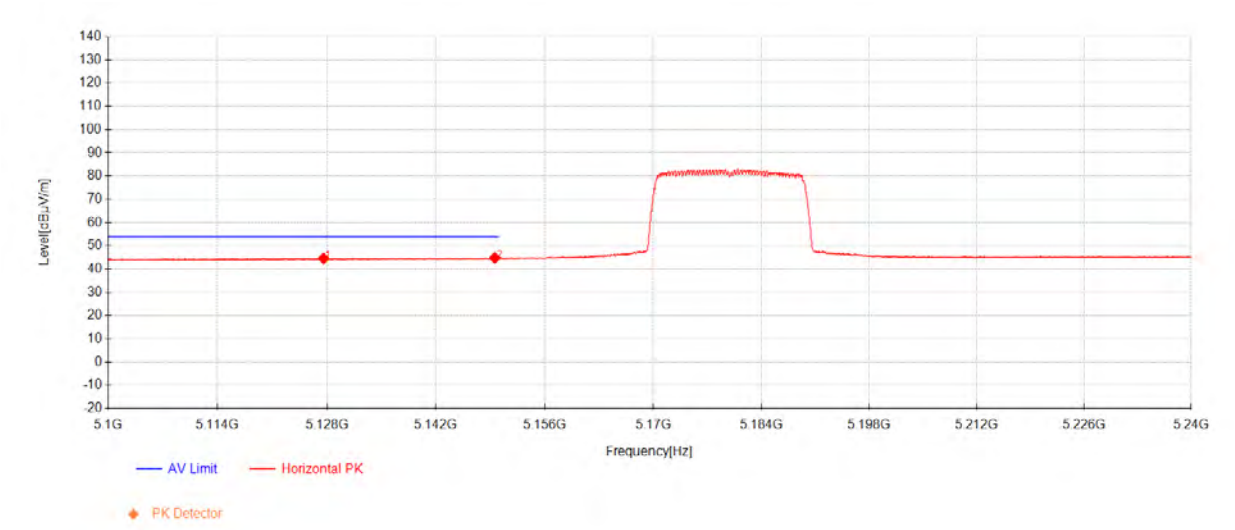
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802.11ax20_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5135.315	39.92	33.17	-14.85	58.24	74.00	15.76	Horizontal
2	5149	40.82	33.17	-14.79	59.20	74.00	14.80	Horizontal

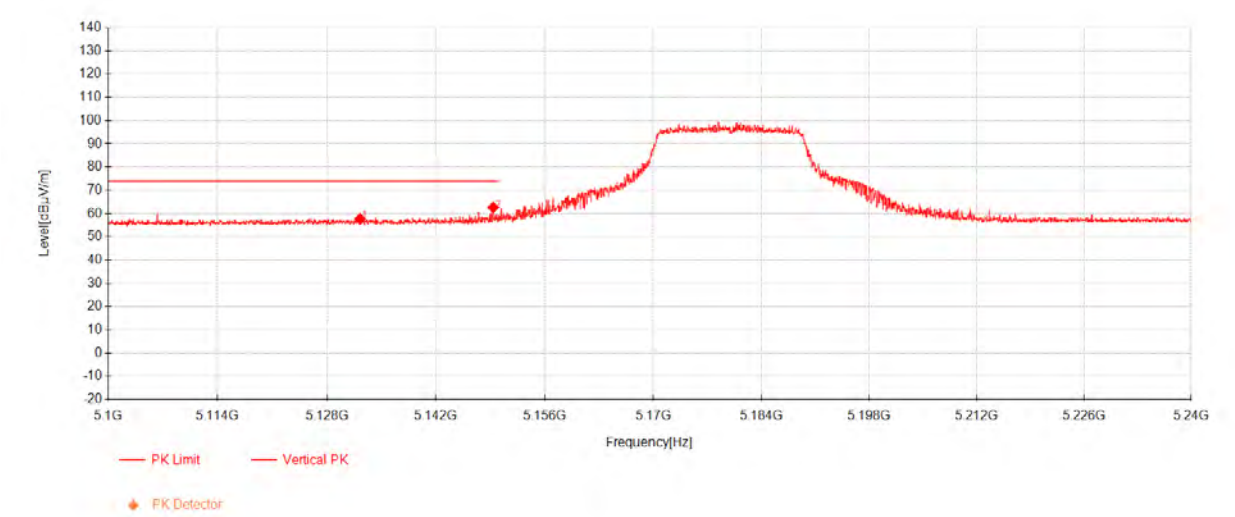
802.11ax20_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5127.545	26.28	33.17	-14.89	44.57	54.00	9.43	Horizontal
2	5149.56	26.42	33.17	-14.79	44.80	54.00	9.20	Horizontal

802.11ax20_Channel 36



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5132.235	39.34	33.17	-14.87	57.65	74.00	16.35	Vertical
2	5149.35	44.23	33.17	-14.79	62.61	74.00	11.39	Vertical

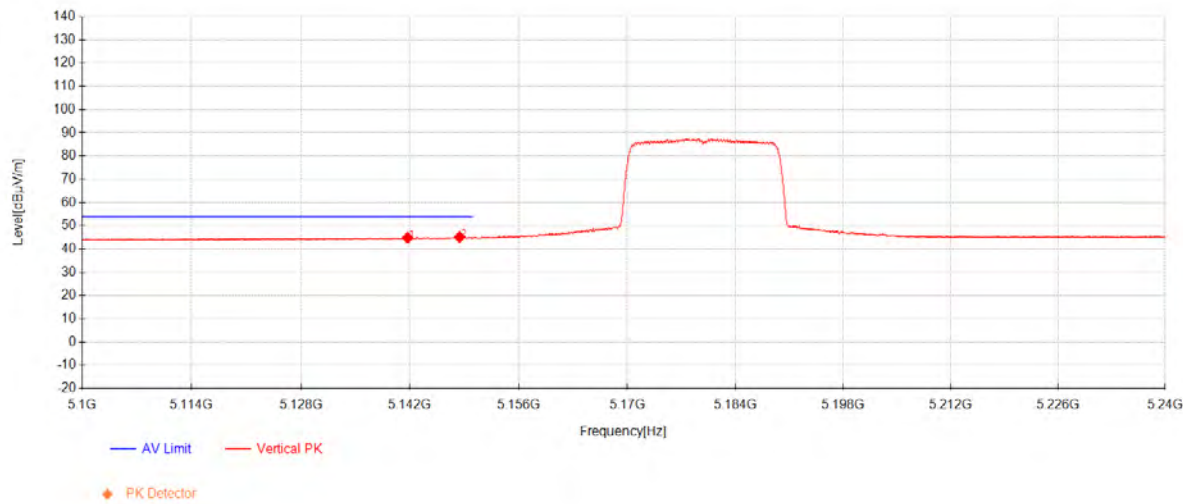
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240900172502

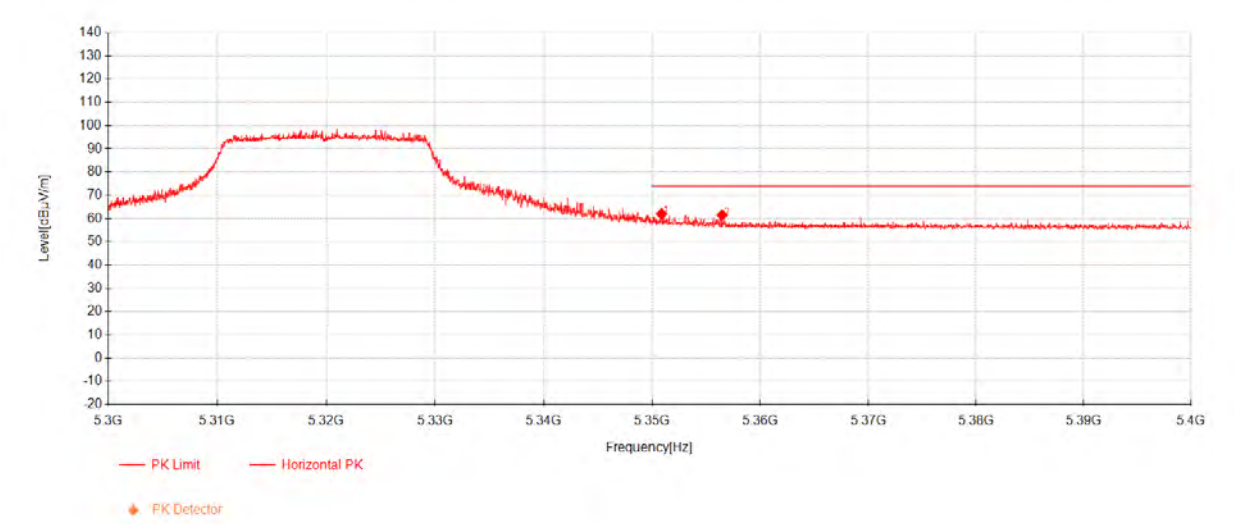
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802.11ax20_Channel 36



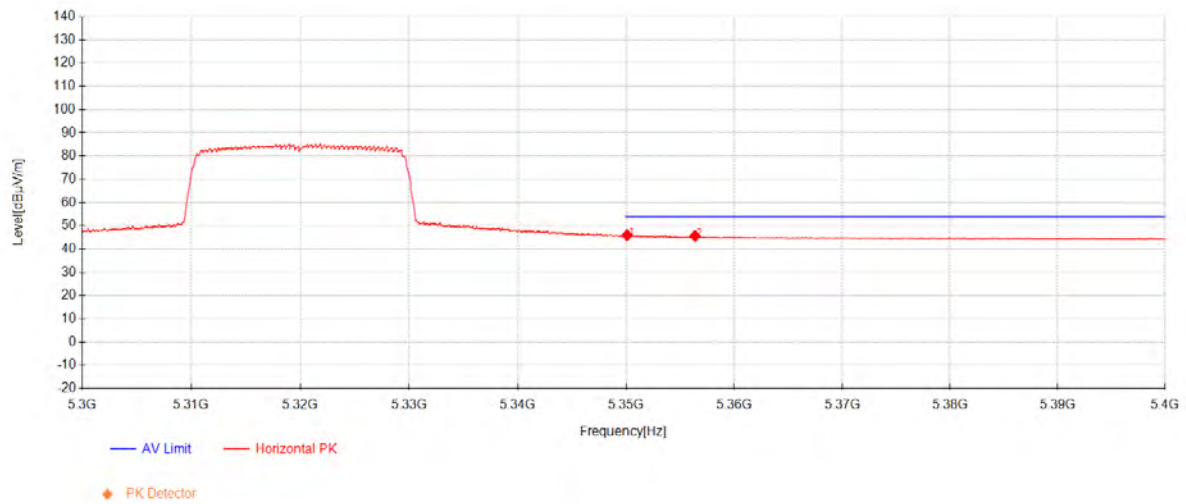
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5141.685	26.50	33.17	-14.83	44.85	54.00	9.15	Vertical
2	5148.37	26.78	33.17	-14.80	45.15	54.00	8.85	Vertical

802.11ax20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.875	42.94	33.13	-14.10	61.97	74.00	12.03	Horizontal
2	5356.475	42.49	33.13	-14.11	61.51	74.00	12.49	Horizontal

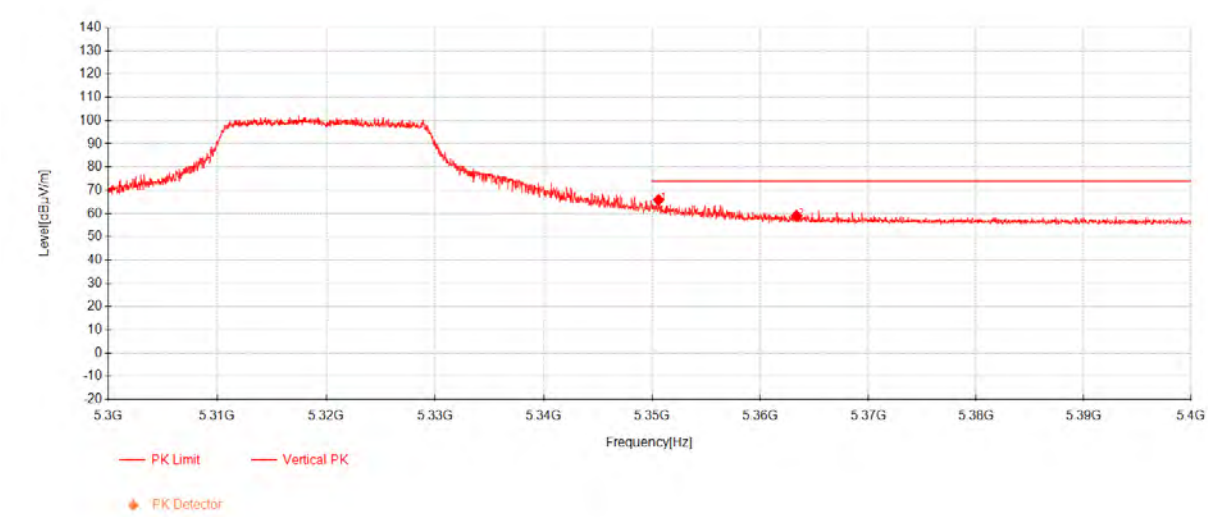
802.11ax20_Channel 64



Data List

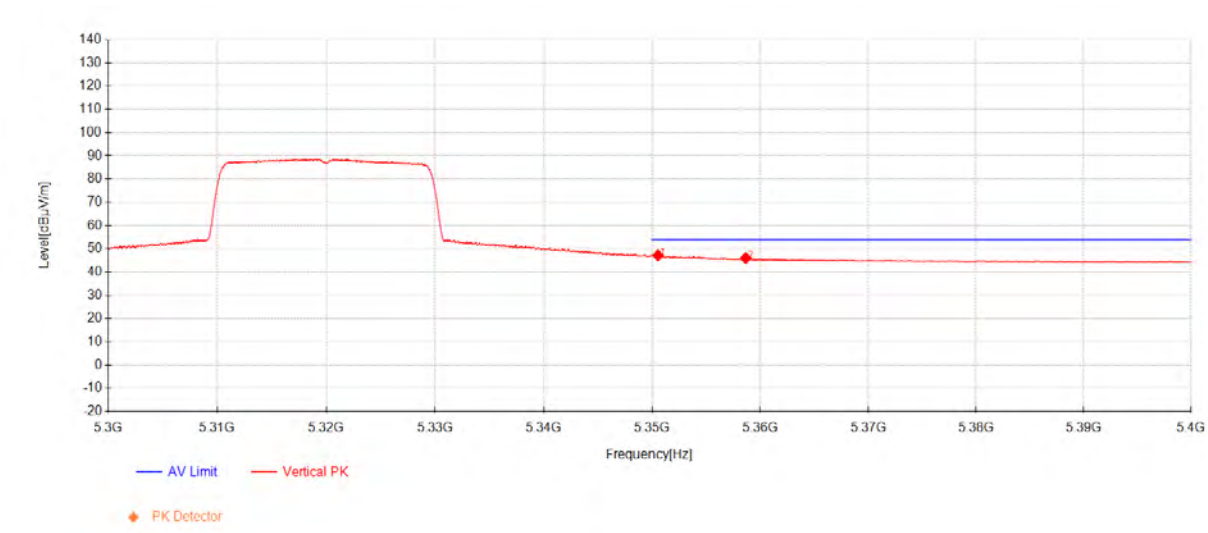
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.1	26.94	33.13	-14.10	45.97	54.00	8.03	Horizontal
2	5356.375	26.65	33.13	-14.11	45.67	54.00	8.33	Horizontal

802.11ax20_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.6	46.85	33.13	-14.10	65.88	74.00	8.12	Vertical
2	5363.35	40.00	33.13	-14.12	59.00	74.00	15.00	Vertical

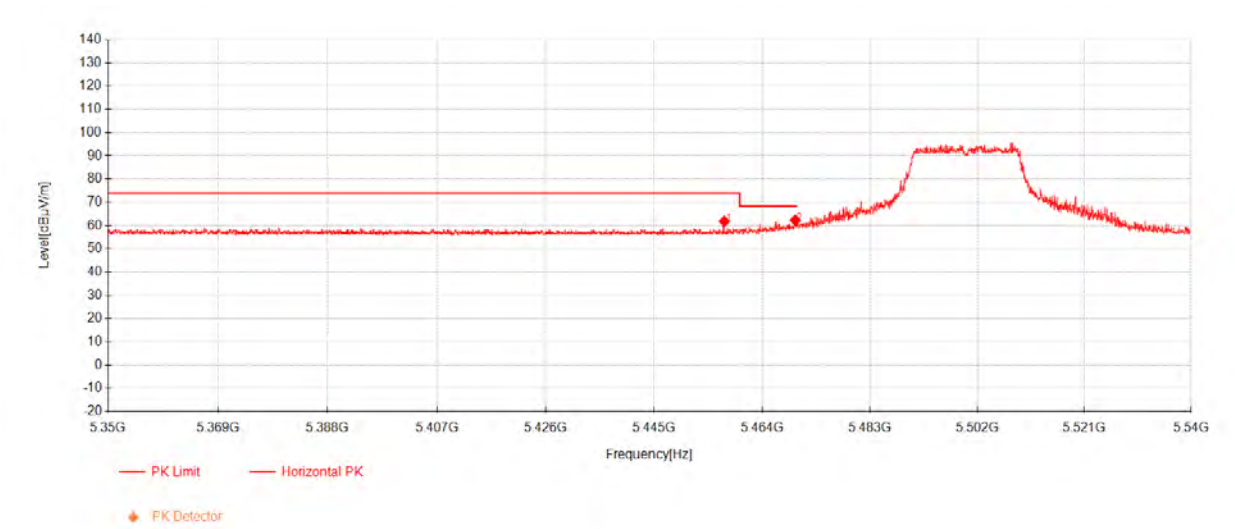
802.11ax20_Channel 64



Data List

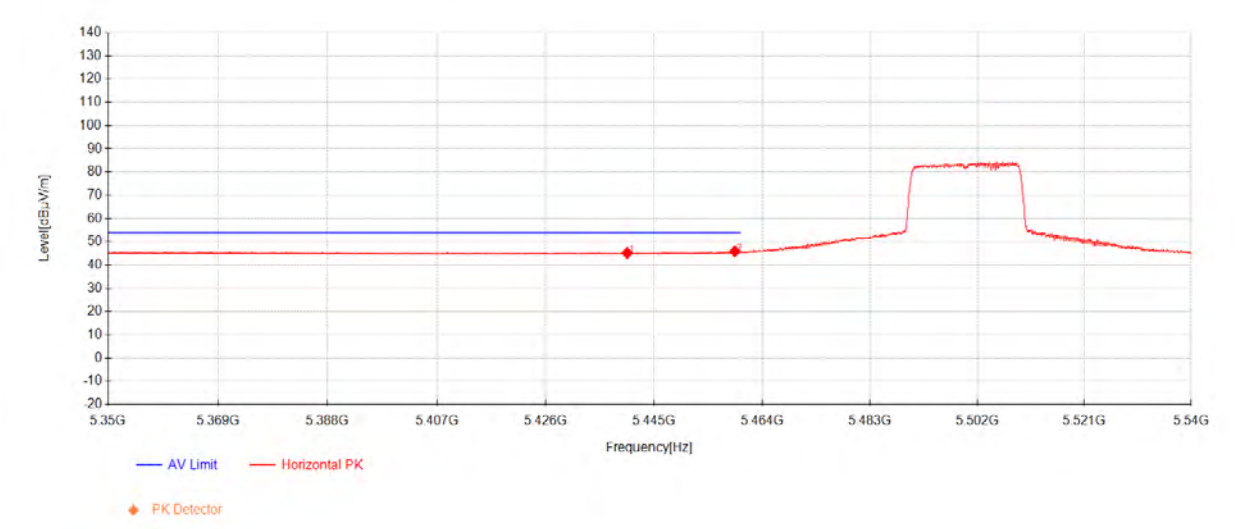
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.55	28.11	33.13	-14.10	47.14	54.00	6.86	Vertical
2	5358.65	26.99	33.13	-14.11	46.01	54.00	7.99	Vertical

802.11ax20_Channel 100



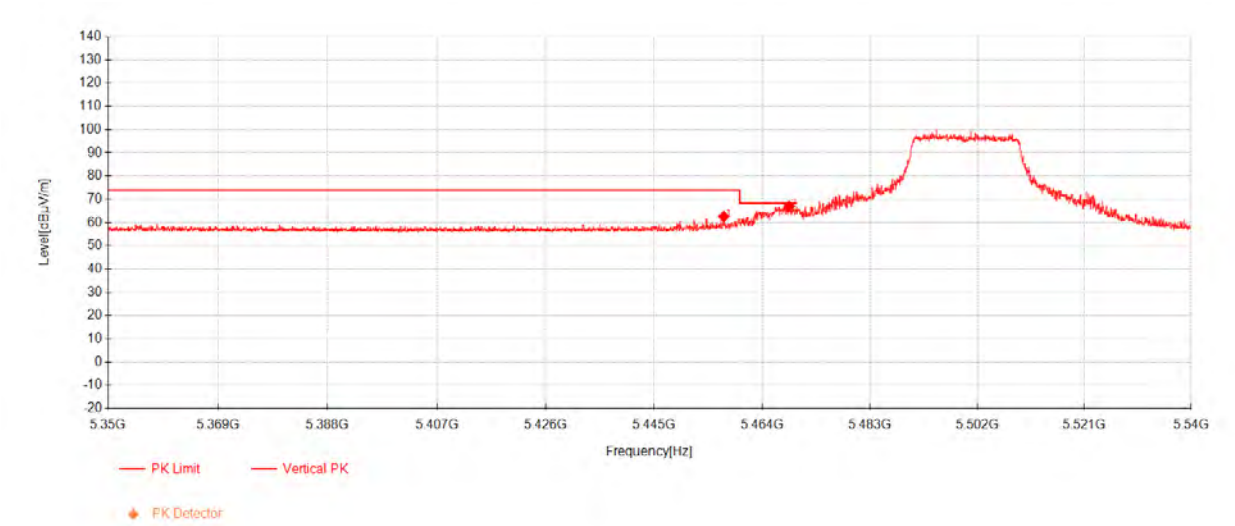
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5457.3025	42.69	33.11	-14.01	61.79	74.00	12.21	Horizontal
2	5469.795	43.16	33.11	-13.96	62.30	68.30	6.00	Horizontal

802.11ax20_Channel 100



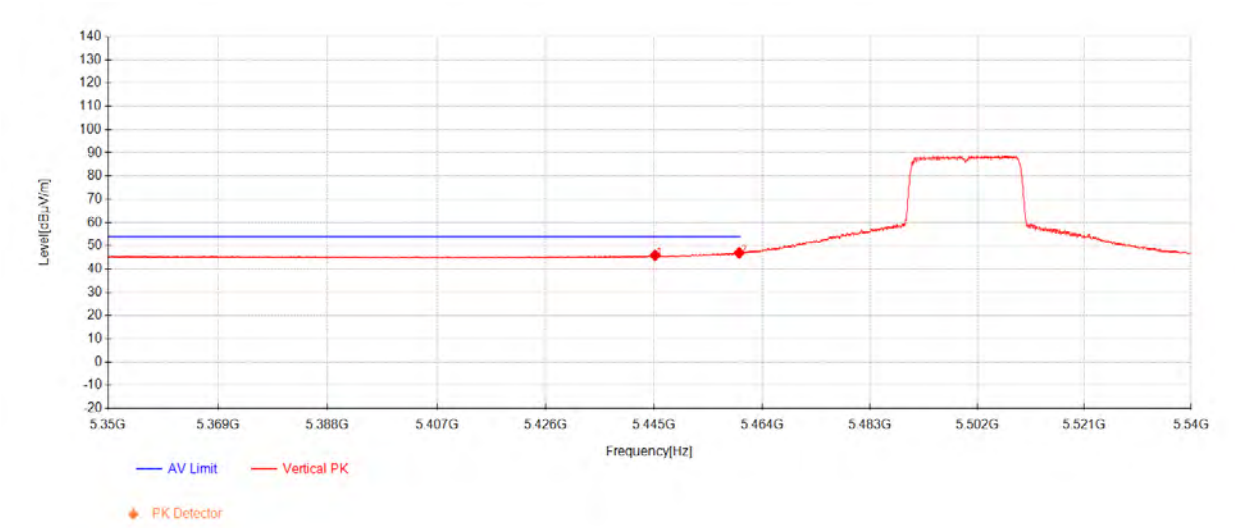
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5440.25	26.12	33.11	-14.06	45.17	54.00	8.83	Horizontal
2	5459.155	26.76	33.11	-14.00	45.87	54.00	8.13	Horizontal

802.11ax20_Channel 100



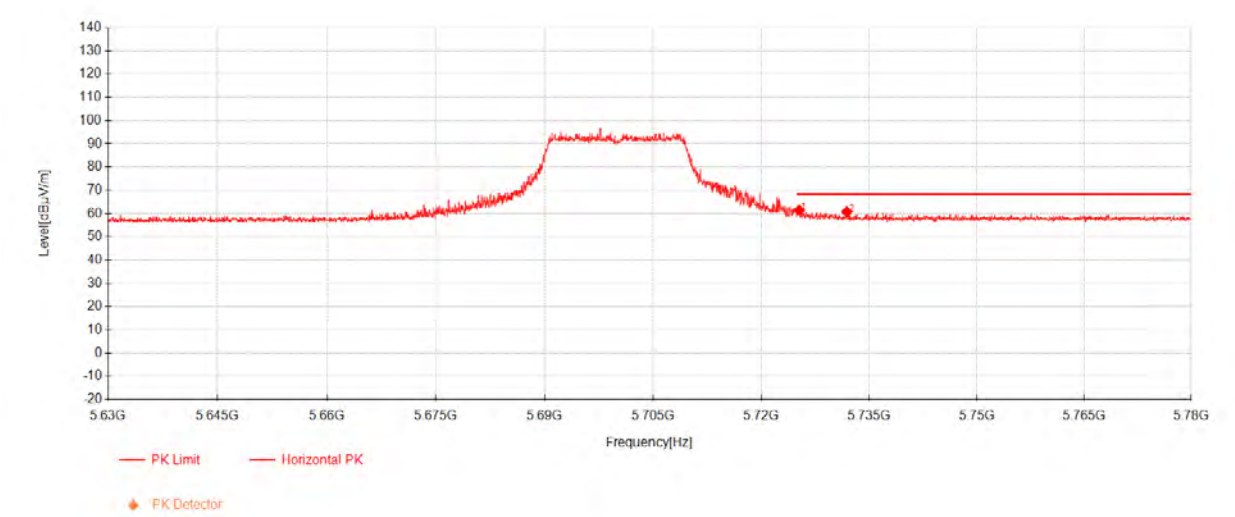
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5457.2075	43.51	33.11	-14.01	62.61	74.00	11.39	Vertical
2	5468.7025	47.78	33.11	-13.97	66.92	68.30	1.38	Vertical

802.11ax20_Channel 100



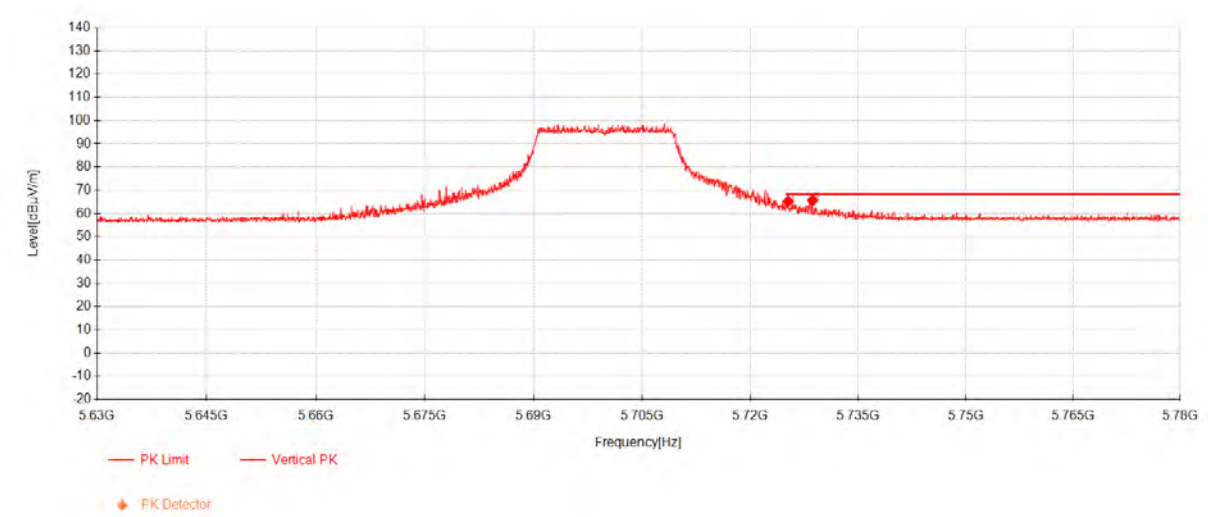
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.1425	26.82	33.11	-14.05	45.88	54.00	8.12	Vertical
2	5459.915	27.81	33.11	-14.00	46.92	54.00	7.08	Vertical

802.11ax20_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.2875	41.19	33.87	-13.62	61.44	68.30	6.86	Horizontal
2	5731.8875	40.44	33.89	-13.60	60.73	68.30	7.57	Horizontal

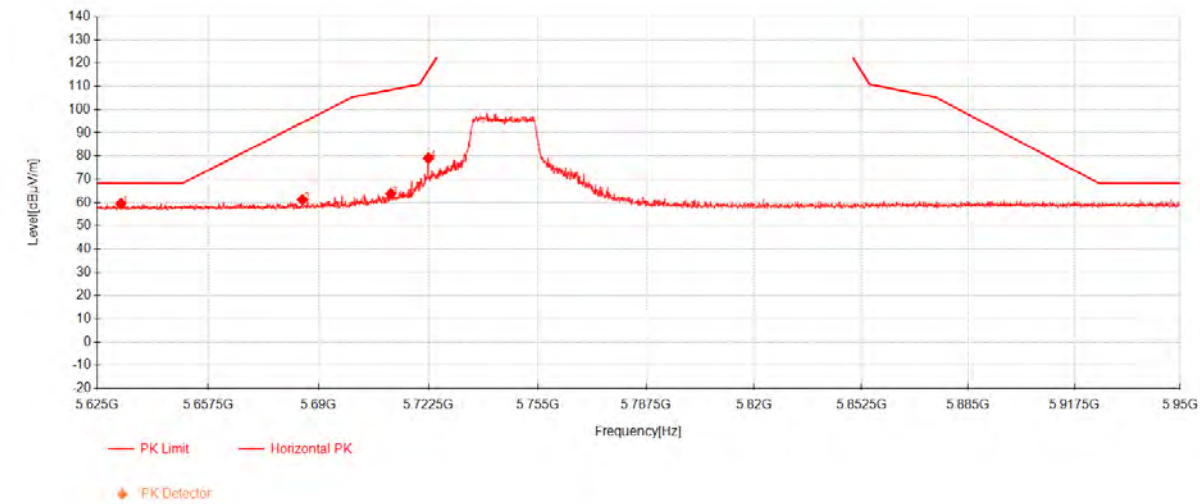
802.11ax20_Channel 140



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.25	44.99	33.87	-13.62	65.24	68.30	3.06	Vertical
2	5728.6625	45.44	33.88	-13.61	65.71	68.30	2.59	Vertical

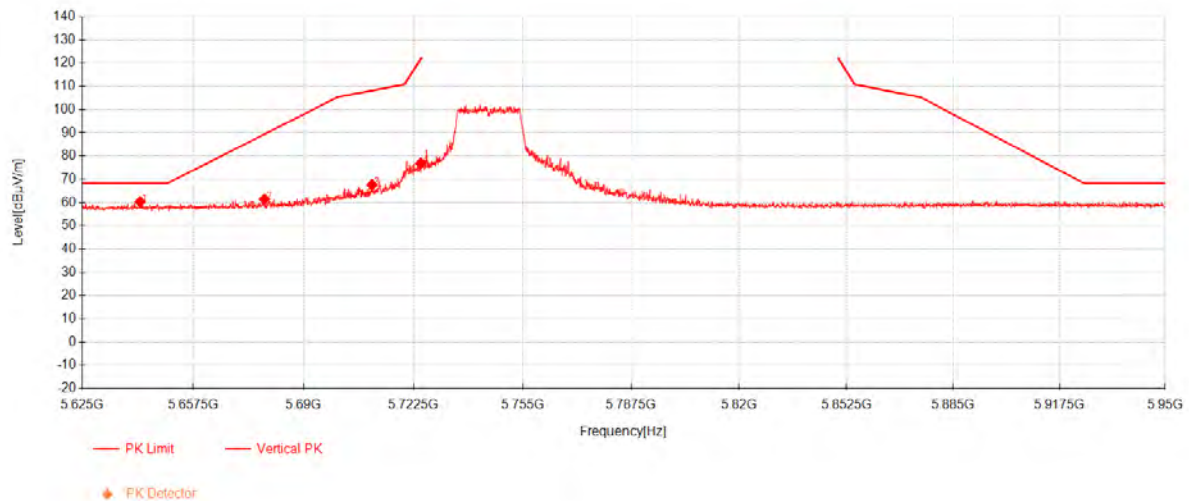
802.11ax20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5631.9875	39.62	33.55	-13.68	59.49	68.30	8.81	Horizontal
2	5685.2062	41.17	33.73	-13.67	61.23	94.39	33.16	Horizontal
3	5711.3688	43.60	33.82	-13.65	63.77	108.49	44.72	Horizontal
4	5722.5	58.81	33.86	-13.62	79.04	116.60	37.56	Horizontal

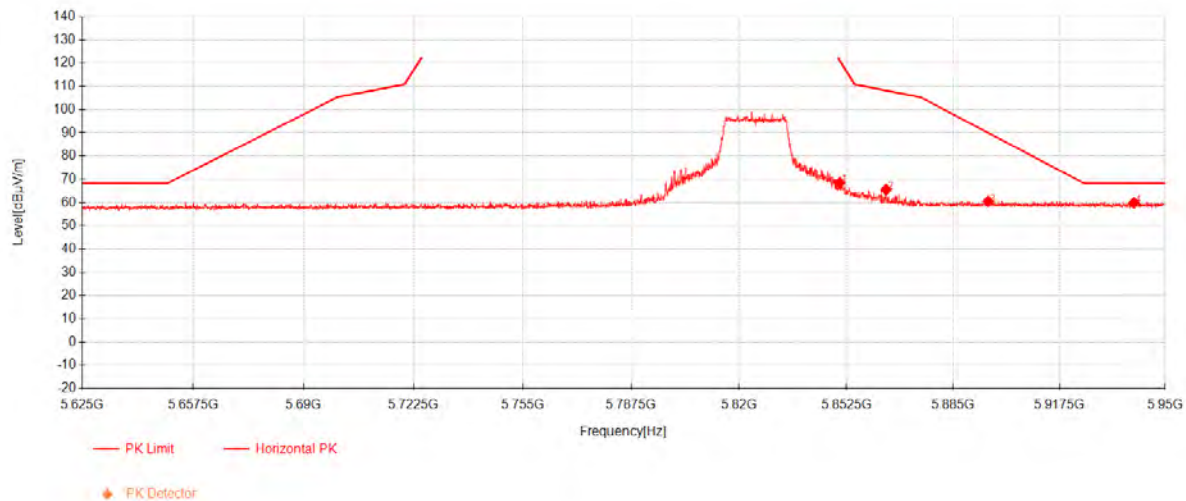
802.11ax20_Channel 149



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5641.9812	40.40	33.58	-13.68	60.31	68.30	7.99	Vertical
2	5678.4625	41.42	33.71	-13.67	61.45	89.40	27.95	Vertical
3	5710.2312	47.42	33.81	-13.65	67.59	108.17	40.58	Vertical
4	5724.6938	56.62	33.86	-13.62	76.87	121.60	44.73	Vertical

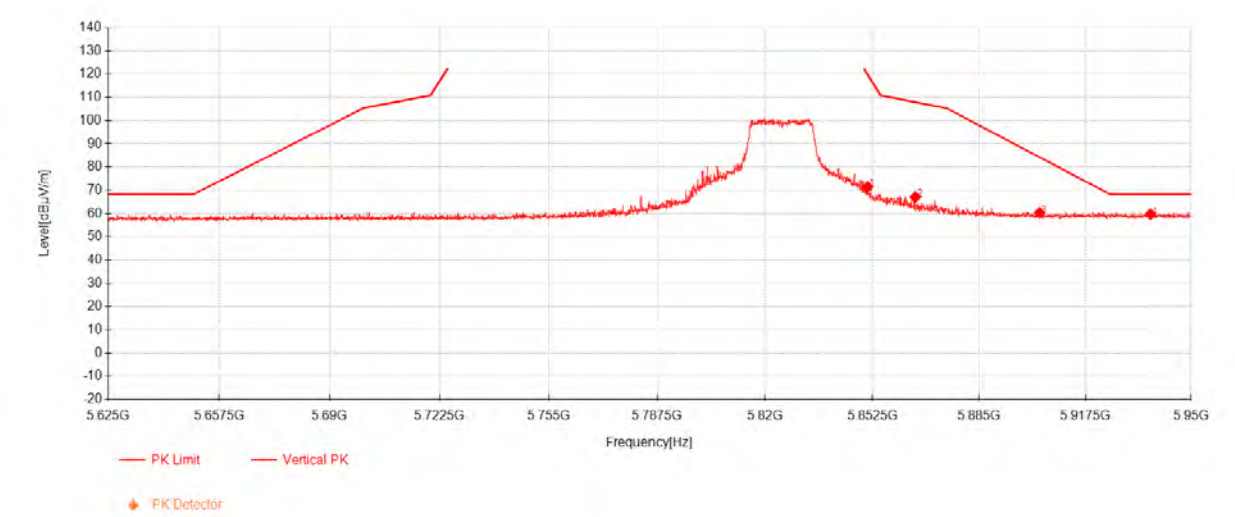
802.11ax20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5850.4688	47.39	34.29	-13.21	68.47	121.23	52.76	Horizontal
2	5864.525	44.38	34.34	-13.14	65.58	108.23	42.65	Horizontal
3	5895.6438	39.04	34.45	-12.98	60.50	89.99	29.49	Horizontal
4	5940.4125	38.36	34.60	-13.11	59.84	68.30	8.46	Horizontal

802.11ax20_Channel 165



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.0375	50.35	34.29	-13.20	71.44	119.93	48.49	Vertical
2	5865.5	45.87	34.34	-13.13	67.08	107.96	40.88	Vertical
3	5903.4438	38.87	34.47	-12.97	60.37	84.21	23.84	Vertical
4	5937.4875	38.19	34.59	-13.10	59.68	68.30	8.62	Vertical

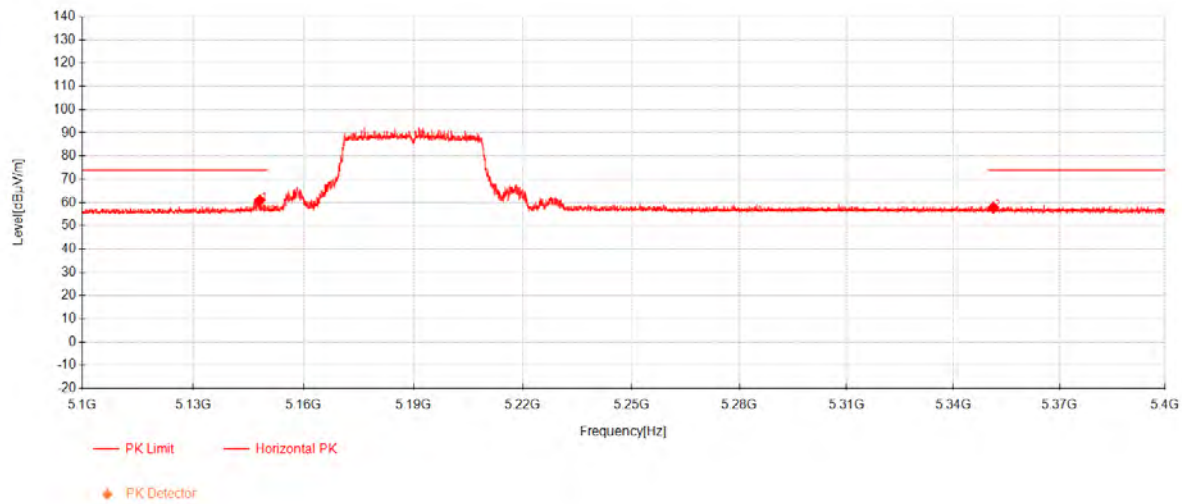
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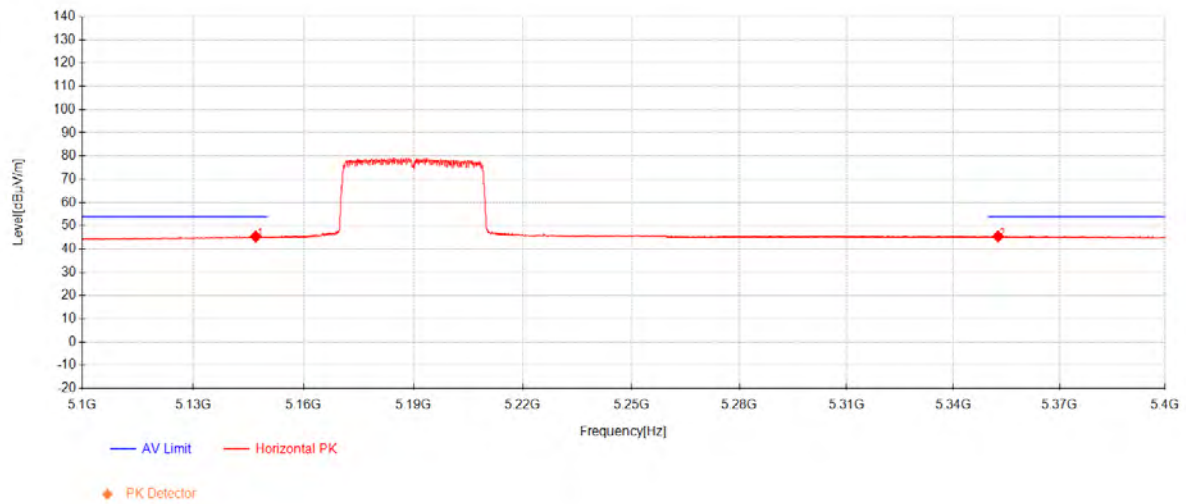
802.11ax40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.08	42.64	33.17	-14.80	61.01	74.00	12.99	Horizontal
2	5351.245	38.71	33.13	-14.10	57.74	74.00	16.26	Horizontal

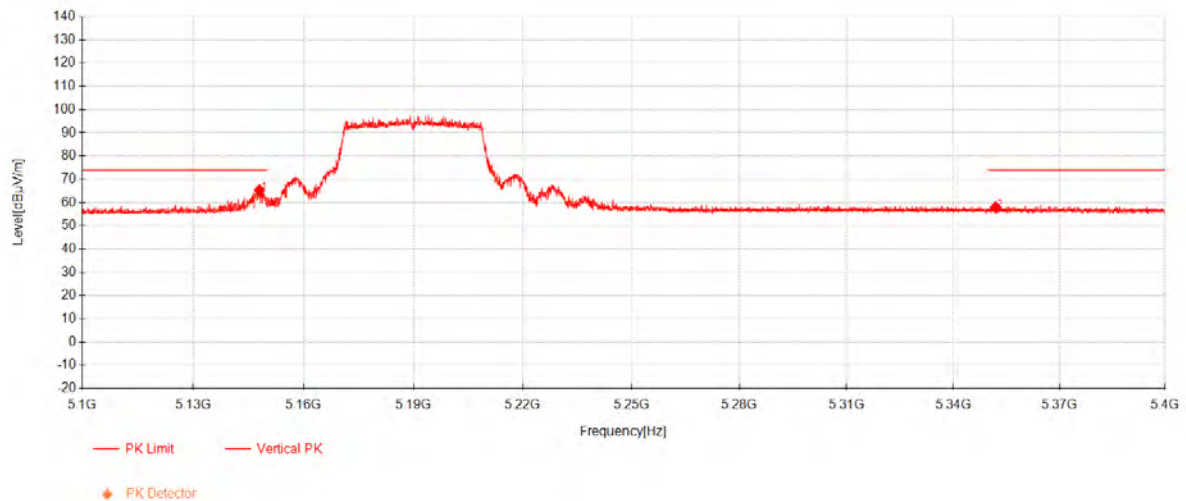
802.11ax40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.96	27.00	33.17	-14.80	45.37	54.00	8.63	Horizontal
2	5352.61	26.43	33.13	-14.10	45.46	54.00	8.54	Horizontal

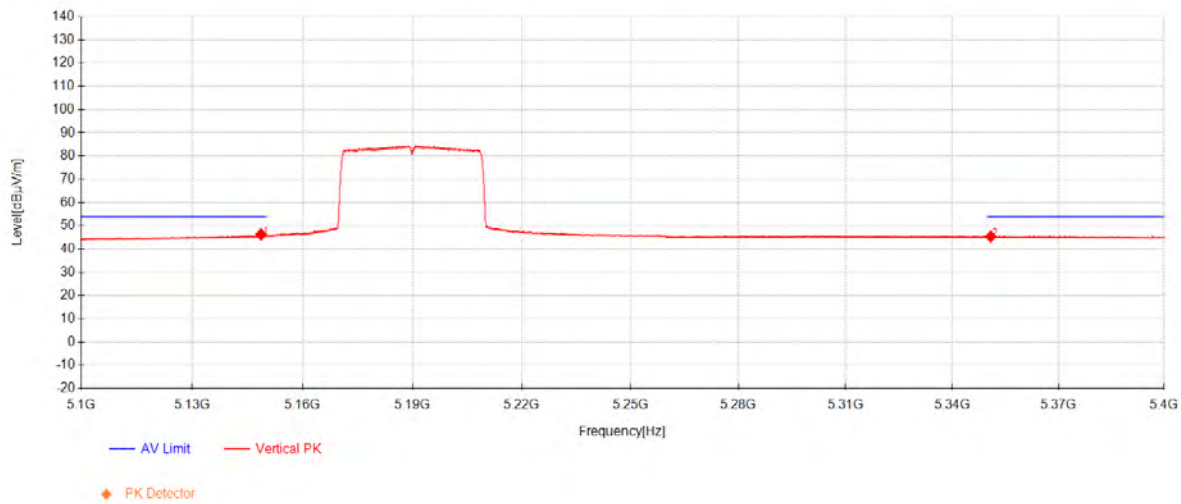
802.11ax40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.96	47.04	33.17	-14.80	65.41	74.00	8.59	Vertical
2	5351.91	38.90	33.13	-14.10	57.93	74.00	16.07	Vertical

802.11ax40_Channel 38



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.68	27.91	33.17	-14.80	46.28	54.00	7.72	Vertical
2	5350.825	26.39	33.13	-14.10	45.42	54.00	8.58	Vertical

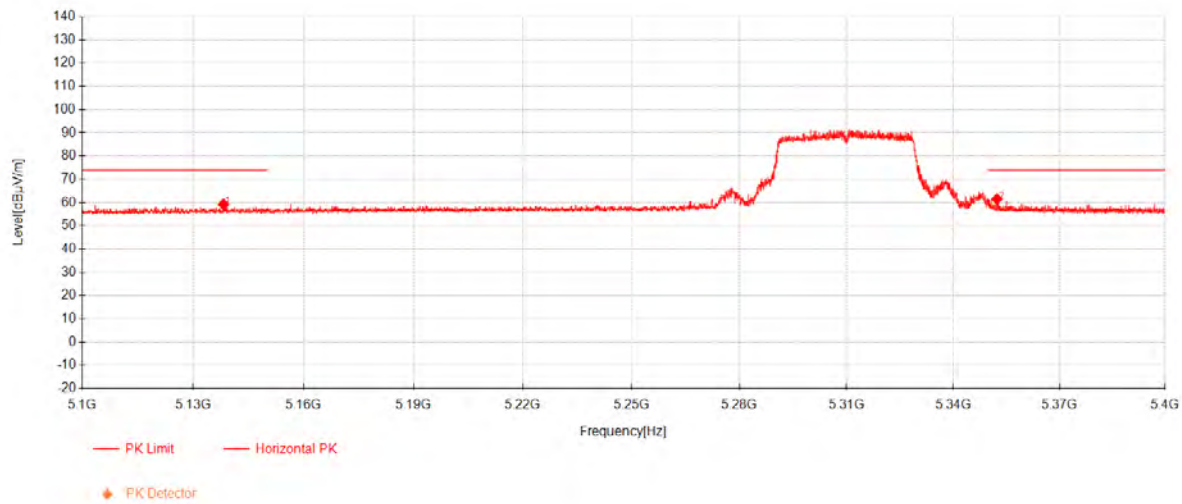
Compliance Certification Services (Kunshan) Inc.

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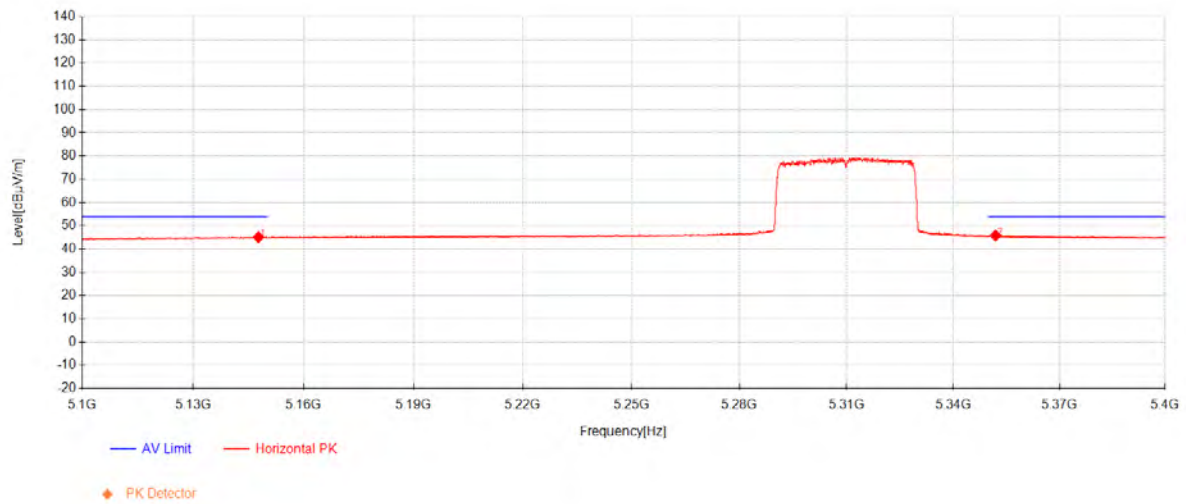
802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5138.2	40.87	33.17	-14.84	59.20	74.00	14.80	Horizontal
2	5352.3	42.48	33.13	-14.10	61.51	74.00	12.49	Horizontal

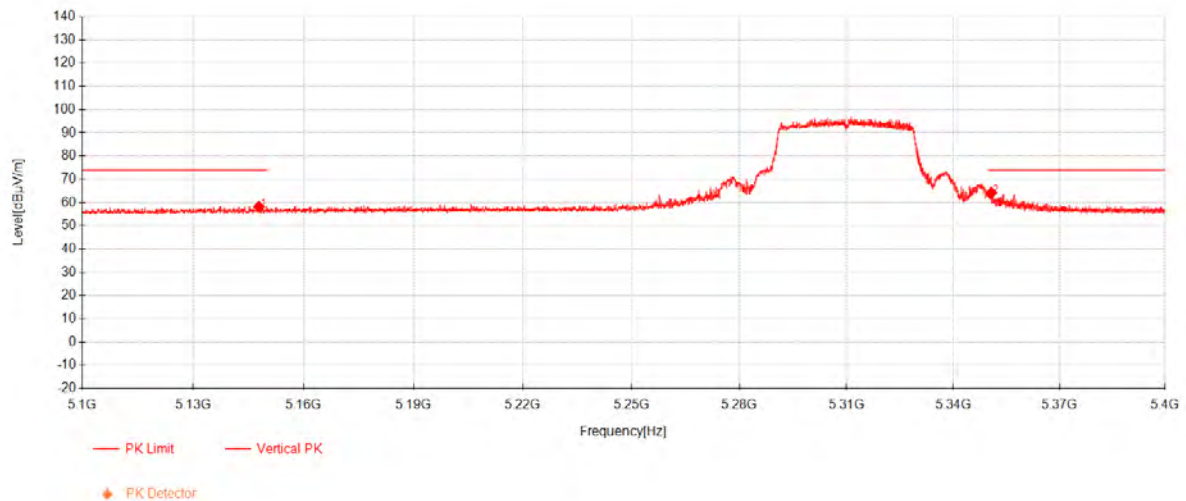
802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.7	26.74	33.17	-14.80	45.11	54.00	8.89	Horizontal
2	5351.9	26.77	33.13	-14.10	45.80	54.00	8.20	Horizontal

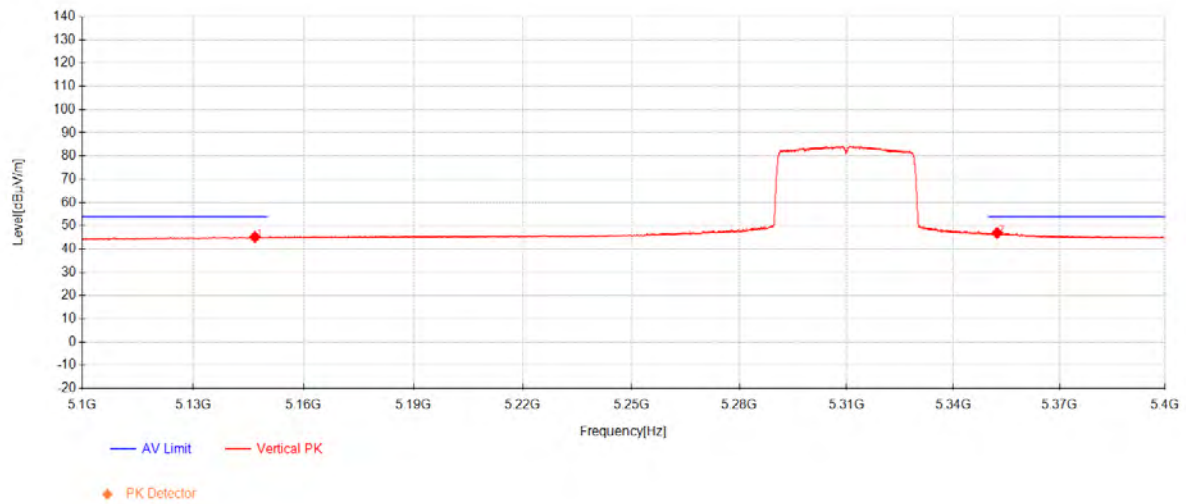
802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.8	39.75	33.17	-14.80	58.12	74.00	15.88	Vertical
2	5350.725	45.21	33.13	-14.10	64.24	74.00	9.76	Vertical

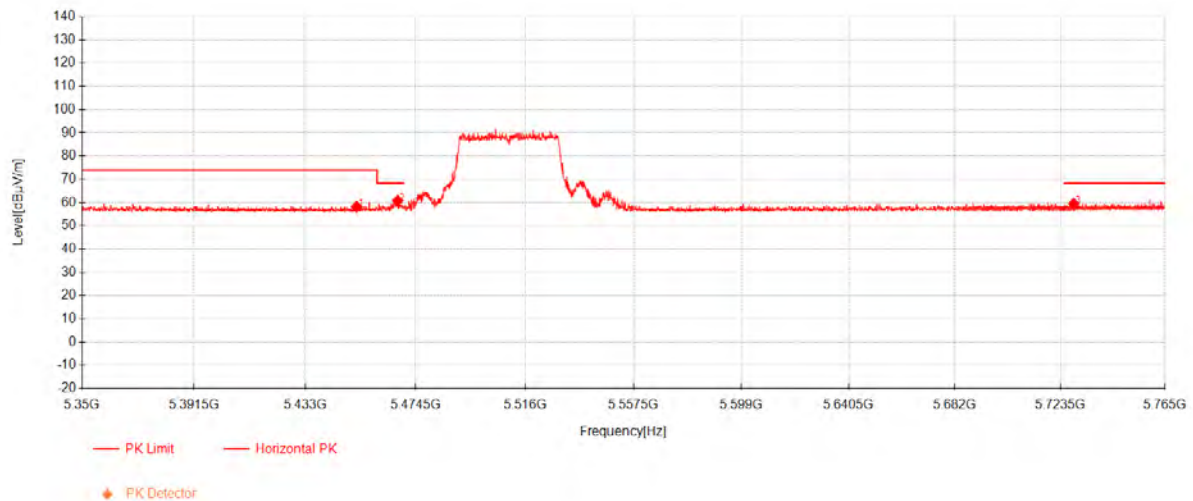
802.11ax40_Channel 62



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.75	26.79	33.17	-14.80	45.16	54.00	8.84	Vertical
2	5352.325	27.85	33.13	-14.10	46.88	54.00	7.12	Vertical

802.11ax40_Channel 102



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.2588	39.08	33.11	-14.02	58.17	74.00	15.83	Horizontal
2	5467.7525	41.62	33.11	-13.97	60.76	68.30	7.54	Horizontal
3	5728.8	39.21	33.88	-13.61	59.48	68.30	8.82	Horizontal



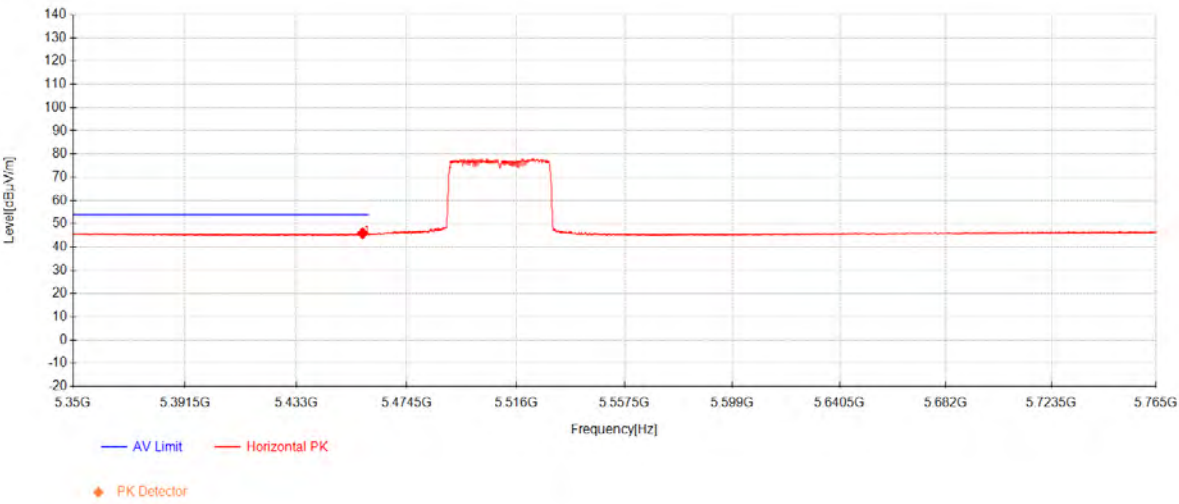
Compliance Certification Services (Kunshan) Inc.

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802.11ax40_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5457.9538	26.80	33.11	-14.00	45.91	54.00	8.09	Horizontal

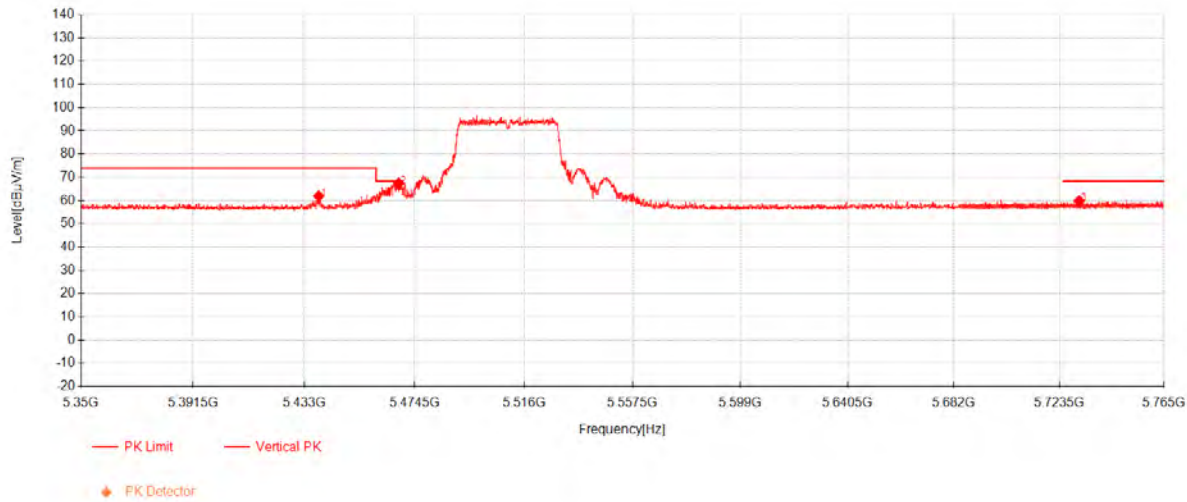
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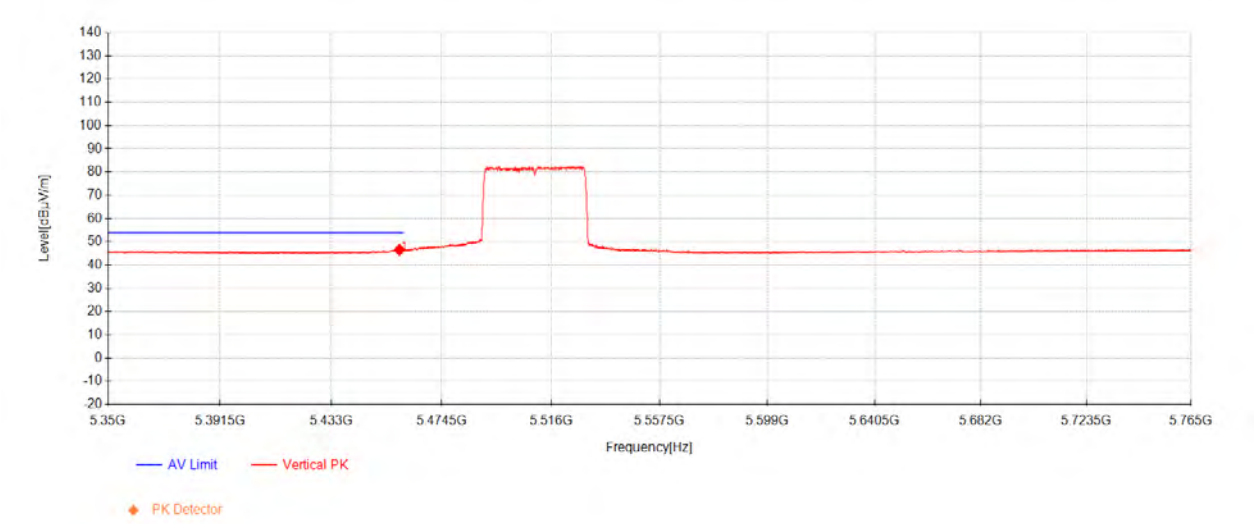
802.11ax40_Channel 102



Data List

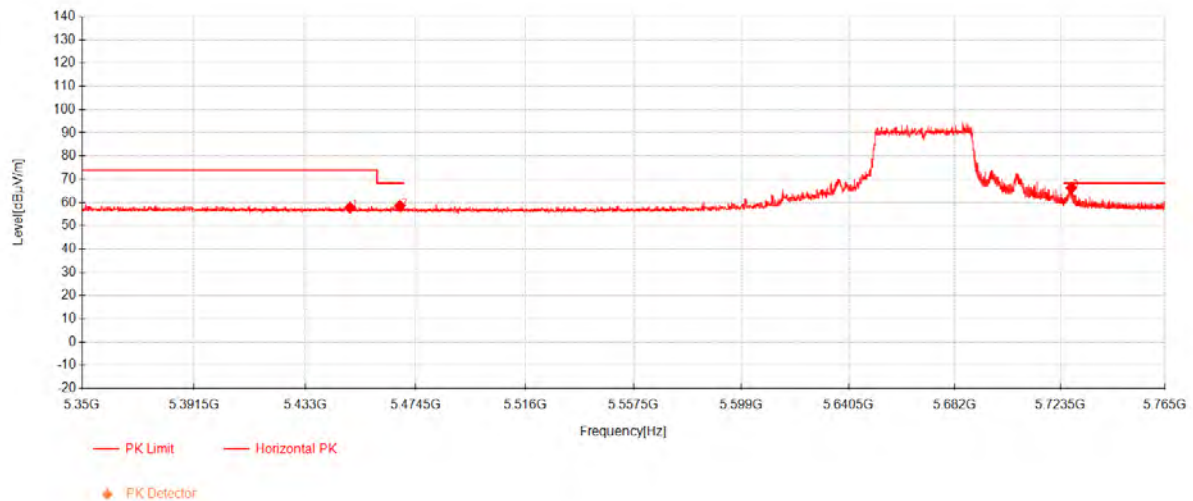
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5438.44	42.87	33.11	-14.07	61.91	74.00	12.09	Vertical
2	5468.5062	48.17	33.11	-13.97	67.31	68.30	0.99	Vertical
3	5731.36	39.56	33.89	-13.60	59.84	68.30	8.46	Vertical

802.11ax40_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.6238	27.41	33.11	-14.00	46.52	54.00	7.48	Vertical

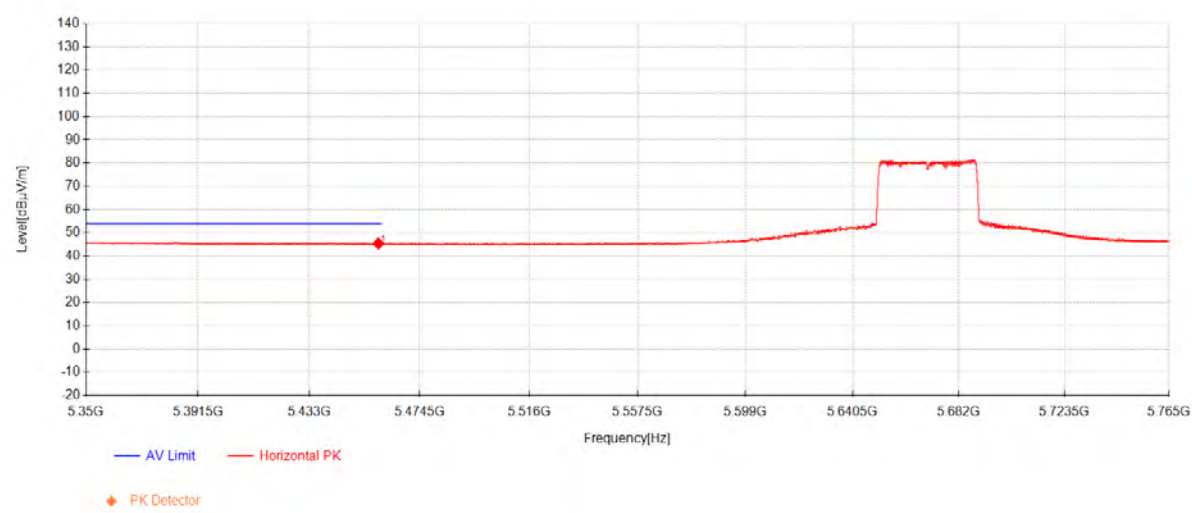
802.11ax40_Channel 134



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.83	38.73	33.11	-14.03	57.81	74.00	16.19	Horizontal
2	5468.59	39.40	33.11	-13.97	58.54	68.30	9.76	Horizontal
3	5727.88	46.09	33.87	-13.61	66.35	68.30	1.95	Horizontal

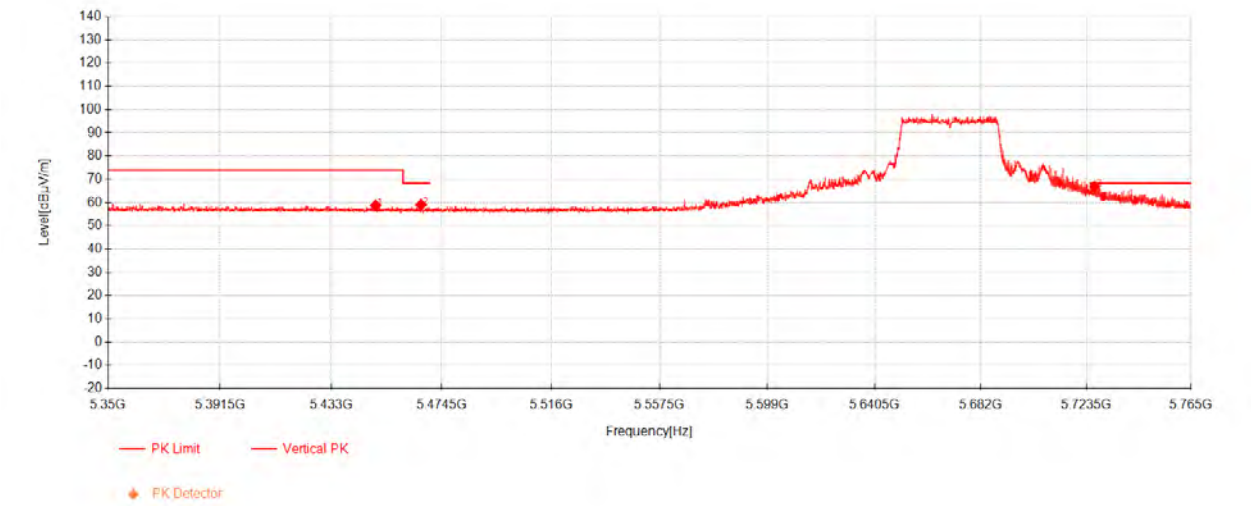
802.11ax40_Channel 134



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5458.9588	26.30	33.11	-14.00	45.41	54.00	8.59	Horizontal

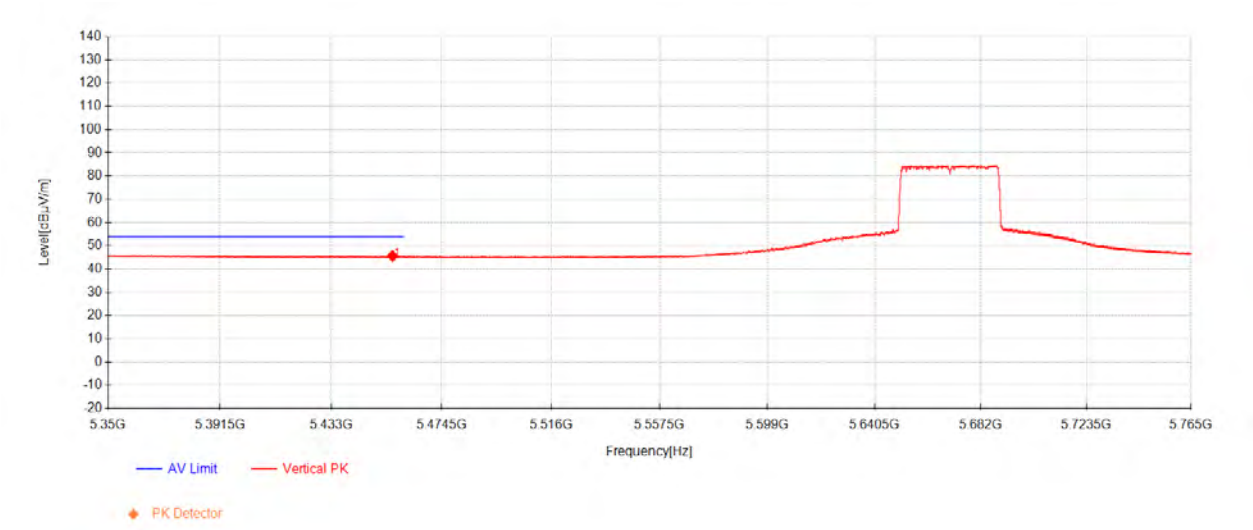
802.11ax40_Channel 134



Data List

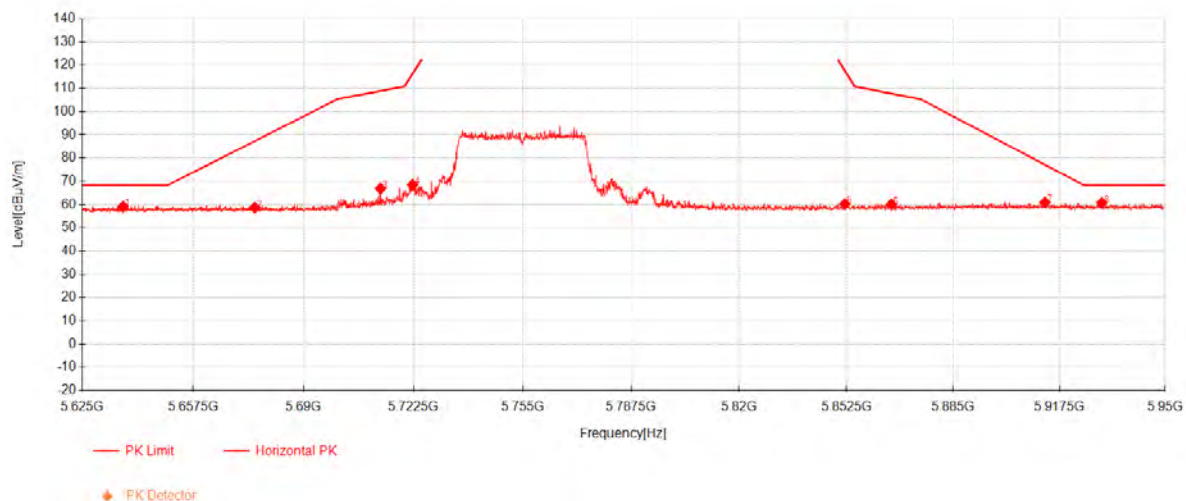
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.6625	39.62	33.11	-14.03	58.70	74.00	15.30	Vertical
2	5466.7475	39.85	33.11	-13.97	58.98	68.30	9.32	Vertical
3	5726.74	46.60	33.87	-13.61	66.86	68.30	1.44	Vertical

802.11ax40_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5456.0275	26.53	33.11	-14.01	45.63	54.00	8.37	Vertical

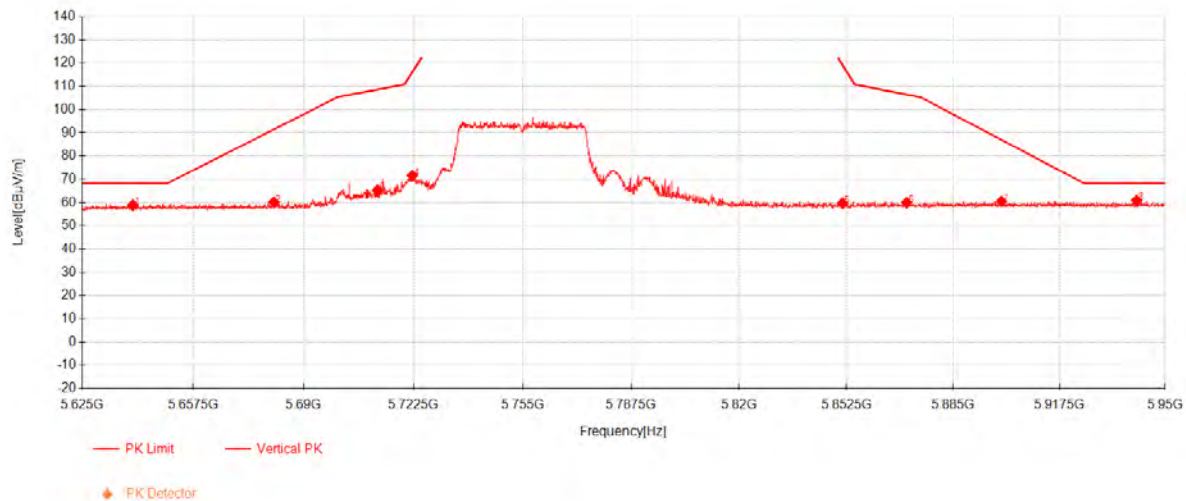
802.11ax40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5637.025	39.19	33.57	-13.68	59.08	68.30	9.22	Horizontal
2	5675.6188	38.60	33.70	-13.67	58.62	87.30	28.68	Horizontal
3	5712.75	46.72	33.82	-13.64	66.90	108.87	41.97	Horizontal
4	5722.2562	48.25	33.86	-13.62	68.48	116.05	47.57	Horizontal
5	5852.0125	39.15	34.30	-13.20	60.25	117.71	57.46	Horizontal
6	5866.15	38.84	34.34	-13.13	60.06	107.78	47.72	Horizontal
7	5913.0312	39.44	34.50	-13.01	60.93	77.13	16.20	Horizontal
8	5930.5	39.22	34.56	-13.08	60.71	68.30	7.59	Horizontal

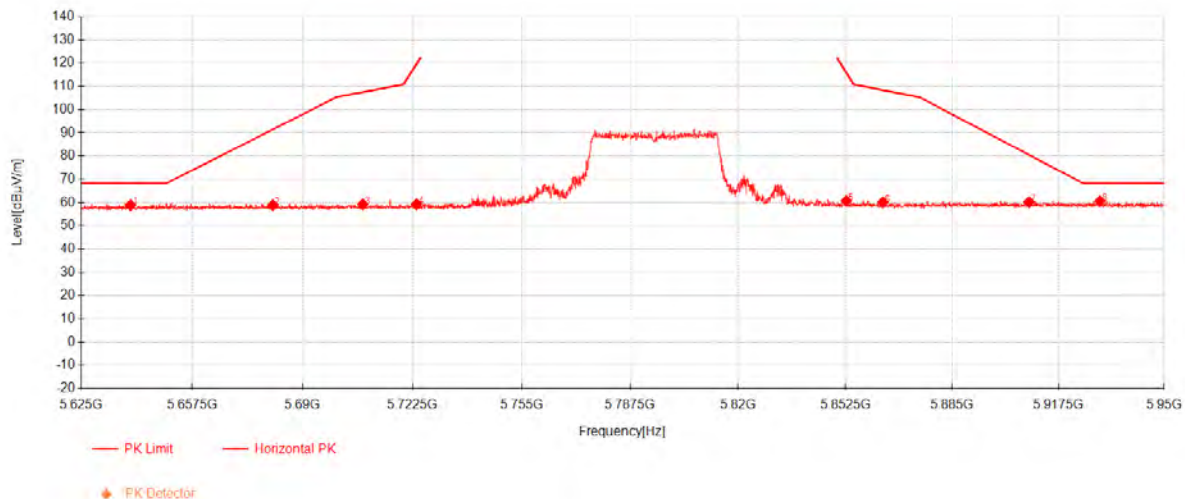
802.11ax40_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5639.8688	38.97	33.58	-13.68	58.87	68.30	9.43	Vertical
2	5681.225	40.06	33.72	-13.67	60.10	91.44	31.34	Vertical
3	5711.8562	45.16	33.82	-13.65	65.34	108.62	43.28	Vertical
4	5722.175	51.30	33.86	-13.62	71.53	115.86	44.33	Vertical
5	5851.2812	38.56	34.29	-13.20	59.65	119.38	59.73	Vertical
6	5870.7812	38.62	34.36	-13.11	59.87	106.48	46.61	Vertical
7	5899.7062	38.97	34.46	-12.96	60.47	86.98	26.51	Vertical
8	5941.225	39.41	34.60	-13.12	60.89	68.30	7.41	Vertical

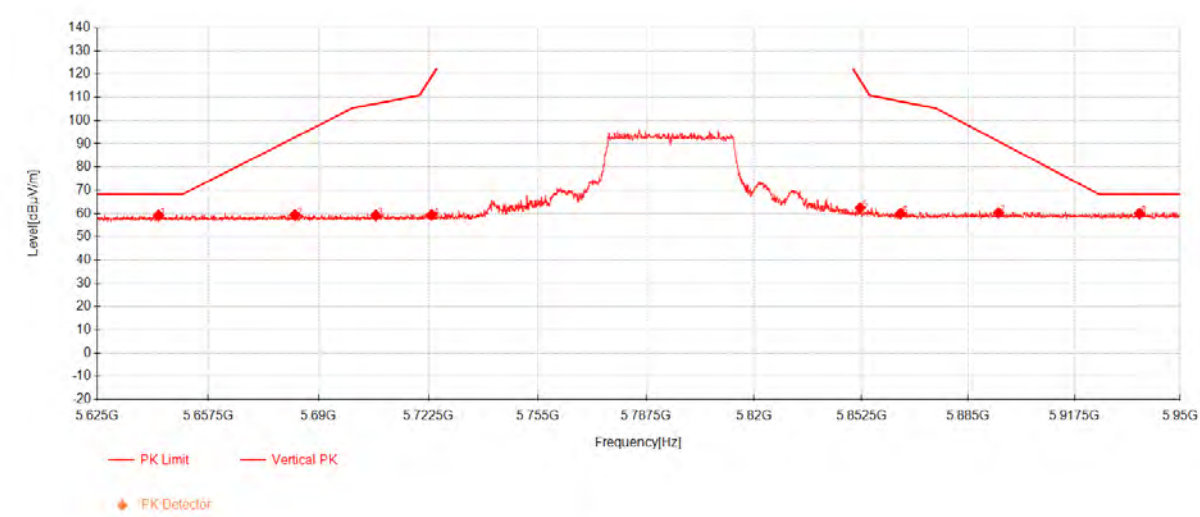
802.11ax40_Channel 159



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5639.4625	38.95	33.57	-13.68	58.85	68.30	9.45	Horizontal
2	5681.225	38.84	33.72	-13.67	58.88	91.44	32.56	Horizontal
3	5707.7938	39.04	33.81	-13.65	59.19	107.48	48.29	Horizontal
4	5723.7188	38.99	33.86	-13.62	59.23	119.38	60.15	Horizontal
5	5852.7438	39.58	34.30	-13.20	60.68	116.04	55.36	Horizontal
6	5863.875	38.93	34.34	-13.14	60.13	108.41	48.28	Horizontal
7	5908.4812	38.70	34.49	-12.99	60.20	80.49	20.29	Horizontal
8	5930.2562	39.11	34.56	-13.07	60.60	68.30	7.70	Horizontal

802.11ax40_Channel 159



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.9562	39.25	33.59	-13.68	59.16	68.30	9.14	Vertical
2	5683.0125	39.30	33.72	-13.67	59.35	92.77	33.42	Vertical
3	5706.9	39.04	33.80	-13.66	59.19	107.23	48.04	Vertical
4	5723.475	39.17	33.86	-13.62	59.41	118.82	59.41	Vertical
5	5852.0938	41.32	34.30	-13.20	62.42	117.53	55.11	Vertical
6	5864.3625	38.78	34.34	-13.14	59.98	108.28	48.30	Vertical
7	5894.2625	38.86	34.44	-12.99	60.31	91.01	30.70	Vertical
8	5937.4875	38.50	34.59	-13.10	59.99	68.30	8.31	Vertical

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7.6 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel 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. Note 3: During the U-NII Detection Bandwidth 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.			

7.6.1 E.U.T. Operation

Operating Environment:

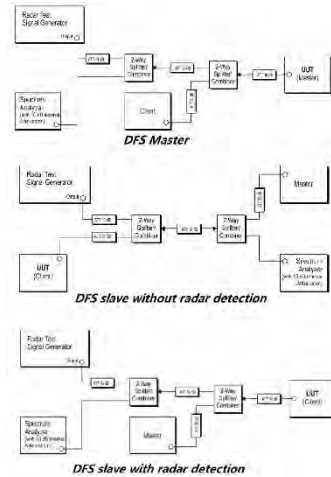
Temperature: 20.8 °C Humidity: 54.0 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all

		modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

7.7 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

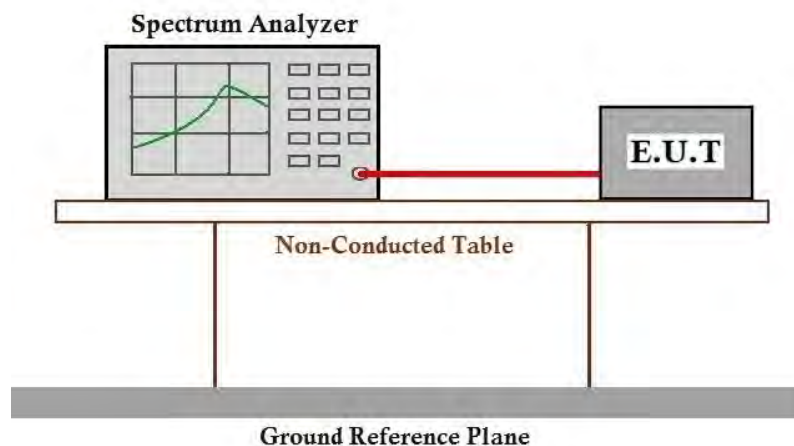
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and f only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

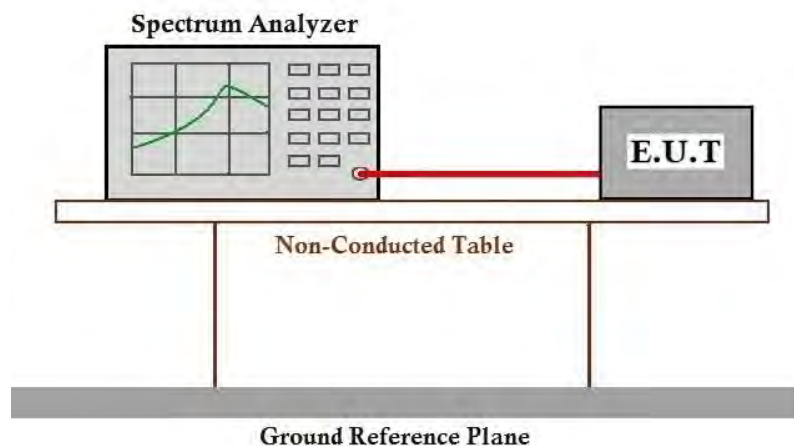
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 20.8 °C Humidity: 54.0 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and f only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

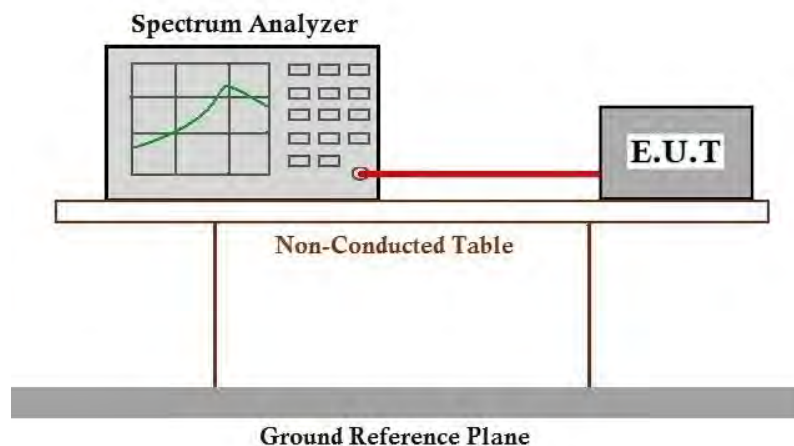
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and f only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

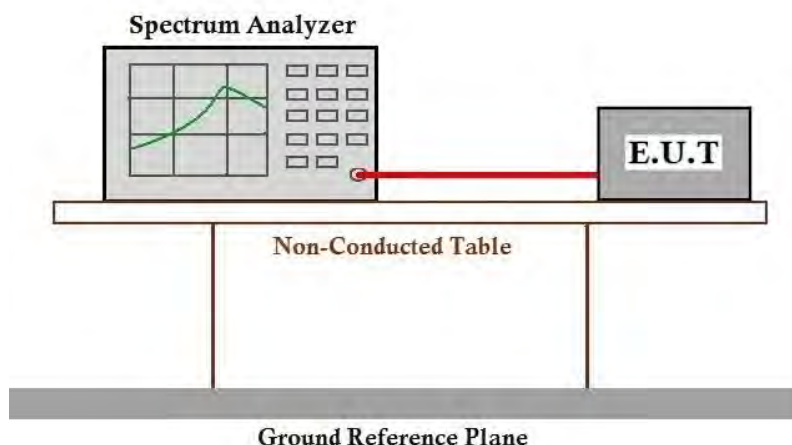
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.11 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

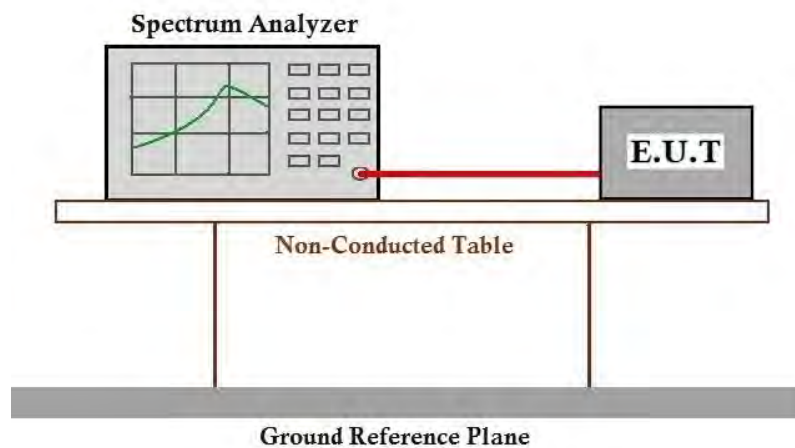
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and f only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

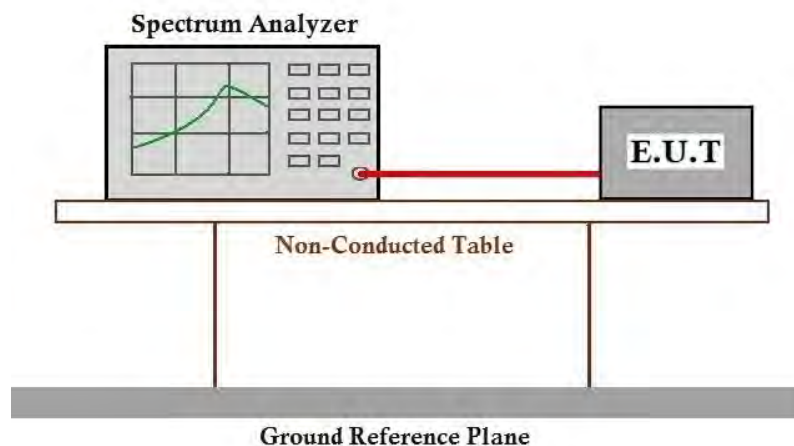
Humidity: 54.0 % RH

Atmospheric Pressure: 1010 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.13 Non-occupancy period

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel 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.

Note 3: During the U-NII Detection Bandwidth 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.

7.13.1 E.U.T. Operation

Operating Environment:

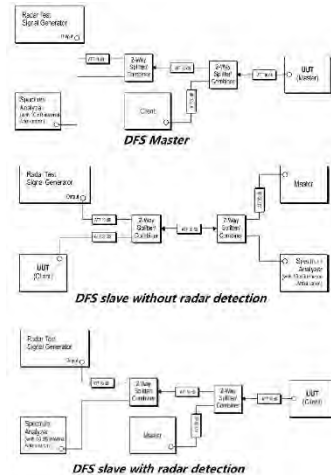
Temperature: 20.8 °C Humidity: 54.0 % RH Atmospheric Pressure: 1010 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all

		modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
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7.13.3 Test Setup Diagram



7.13.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.



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7.14 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel 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. Note 3: During the U-NII Detection Bandwidth 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.			

7.14.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C

Humidity: 54.0 % RH

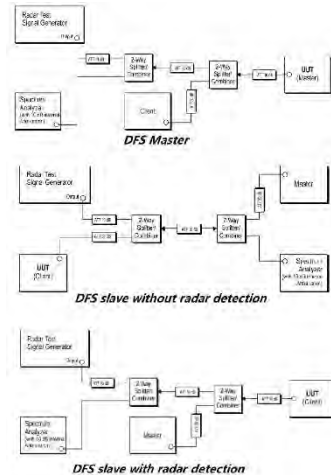
Atmospheric Pressure: 1010 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all

		modulation types. All data rates for each modulation type have been tested and only the data of worst case is recorded in the report.
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7.14.3 Test Setup Diagram



7.14.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2409001725AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2409001725AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.365	1.593	85.69	0.67	6.25
		5200	/	/	1.365	1.539	88.69	0.52	3.32
		5240	/	/	1.365	1.576	86.61	0.62	5.33
		5260	/	/	1.365	1.584	86.17	0.65	5.77
		5300	/	/	1.366	1.536	88.93	0.51	3.23
		5320	/	/	1.365	1.601	85.26	0.69	6.71
		5500	/	/	1.369	1.585	86.37	0.64	4.11
		5580	/	/	1.371	1.593	86.06	0.65	5.72
		5700	/	/	1.365	1.584	86.17	0.65	5.78
		5745	/	/	1.364	1.535	88.86	0.51	3.30
		5785	/	/	1.365	1.549	88.12	0.55	3.77
		5825	/	/	1.365	1.602	85.21	0.70	6.70
802.11ac (VHT20)	SISO	5180	/	/	1.285	1.530	83.99	0.76	7.53
		5200	/	/	1.286	1.522	84.49	0.73	7.04
		5240	/	/	1.285	1.522	84.43	0.74	7.07
		5260	/	/	1.285	1.455	88.32	0.54	3.41
		5300	/	/	1.285	1.495	85.95	0.66	5.51
		5320	/	/	1.285	1.522	84.43	0.74	7.03
		5500	/	/	1.285	1.522	84.43	0.74	5.88
		5580	/	/	1.284	1.504	85.37	0.69	6.09
		5700	/	/	1.286	1.514	84.94	0.71	6.52
		5745	/	/	1.285	1.455	88.32	0.54	3.41
		5785	/	/	1.284	1.437	89.35	0.49	2.35
		5825	/	/	1.285	1.514	84.87	0.71	6.53
802.11ac (VHT40)	SISO	5190	/	/	0.937	1.155	81.13	0.91	7.64
		5230	/	/	0.937	1.174	79.81	0.98	8.13
		5270	/	/	0.938	1.165	80.52	0.94	8.28
		5310	/	/	0.937	1.155	81.13	0.91	7.66
		5510	/	/	0.936	1.164	80.41	0.95	8.25
		5550	/	/	0.937	1.146	81.76	0.87	7.02
		5670	/	/	0.938	1.156	81.14	0.91	7.57
		5755	/	/	0.936	1.115	83.95	0.76	5.10
		5795	/	/	0.936	1.146	81.68	0.88	6.98
802.11ax (HEW20)	SISO	5180	RU242	Left	0.996	1.189	83.77	0.77	5.42
		5200	RU242	Left	0.997	1.235	80.73	0.93	8.47
		5240	RU242	Left	0.997	1.216	81.99	0.86	7.26
		5260	RU242	Left	0.997	1.176	84.78	0.72	4.84
		5300	RU242	Left	0.996	1.234	80.71	0.93	7.69



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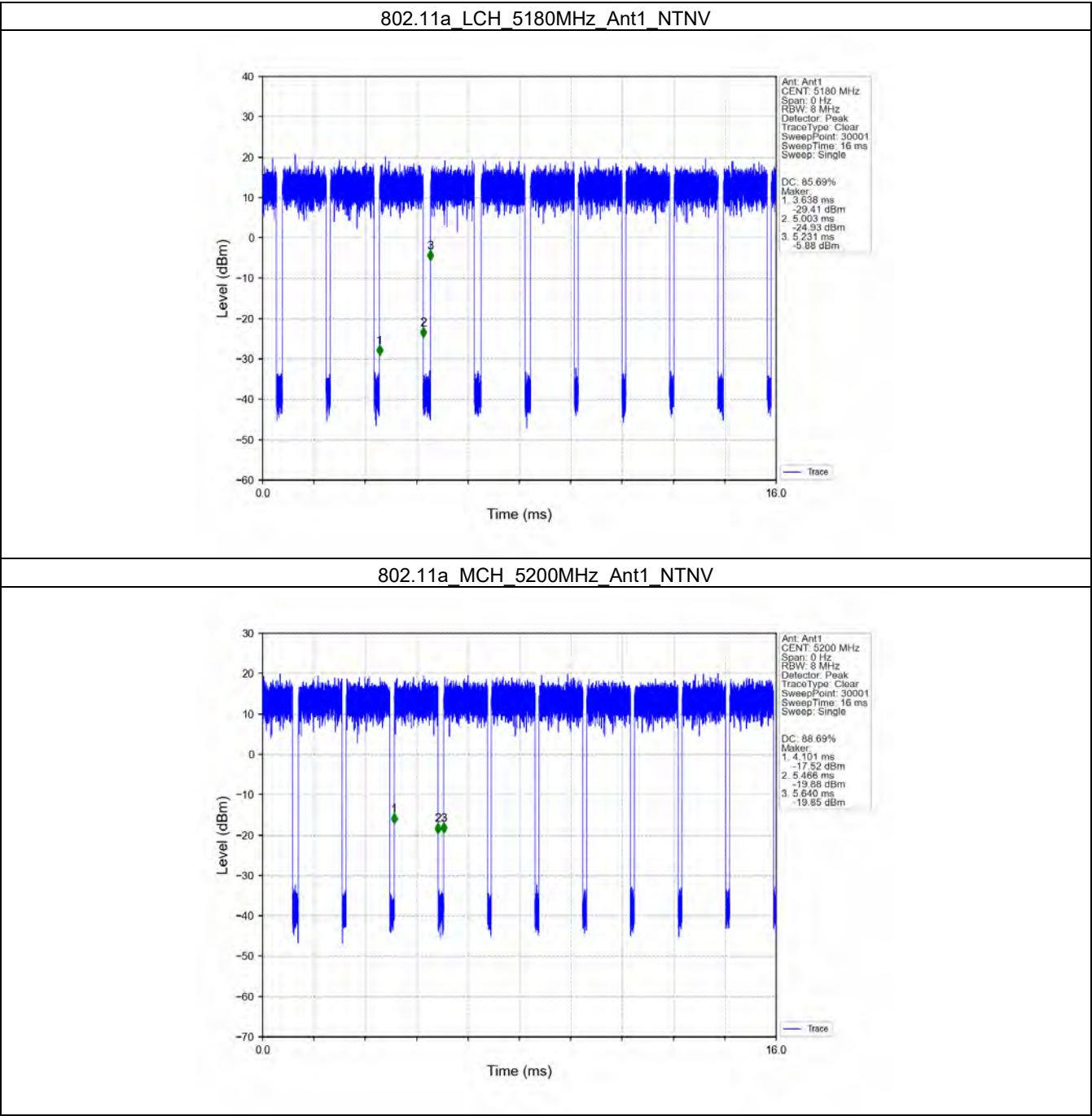
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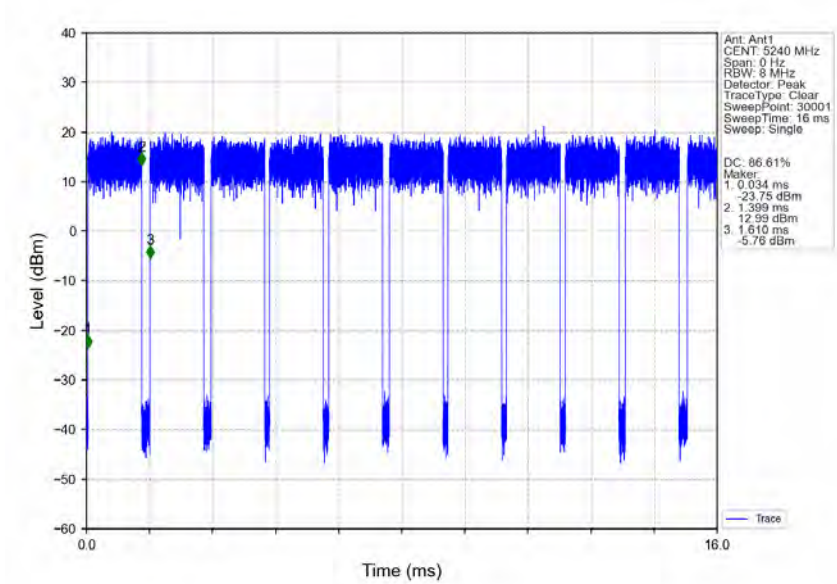
		5320	RU242	Left	0.997	1.216	81.99	0.86	5.83
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		5700	RU242	Left	0.997	1.207	82.60	0.83	6.65
		5745	RU242	Left	0.997	1.168	85.36	0.69	4.18
		5785	RU242	Left	0.997	1.167	85.43	0.68	4.14
		5825	RU242	Left	0.996	1.234	80.71	0.93	7.75
802.11ax (HEW40)	SISO	5190	RU484	Left	0.529	0.707	74.82	1.26	7.35
		5230	RU484	Left	0.529	0.698	75.79	1.20	6.45
		5270	RU484	Left	0.528	0.747	70.68	1.51	10.85
		5310	RU484	Left	0.529	0.662	79.91	0.97	2.26
		5510	RU484	Left	0.529	0.712	74.30	1.29	7.23
		5550	RU484	Left	0.529	0.711	74.40	1.28	7.30
		5670	RU484	Left	0.529	0.712	74.30	1.29	7.25
		5755	RU484	Left	0.528	0.748	70.59	1.51	10.83
		5795	RU484	Left	0.528	0.698	75.64	1.21	6.37

1.2 Test Graph

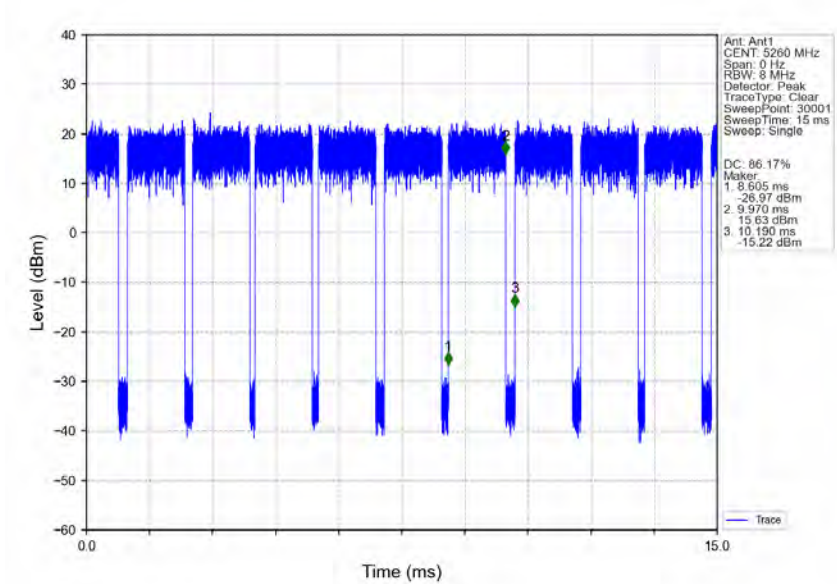
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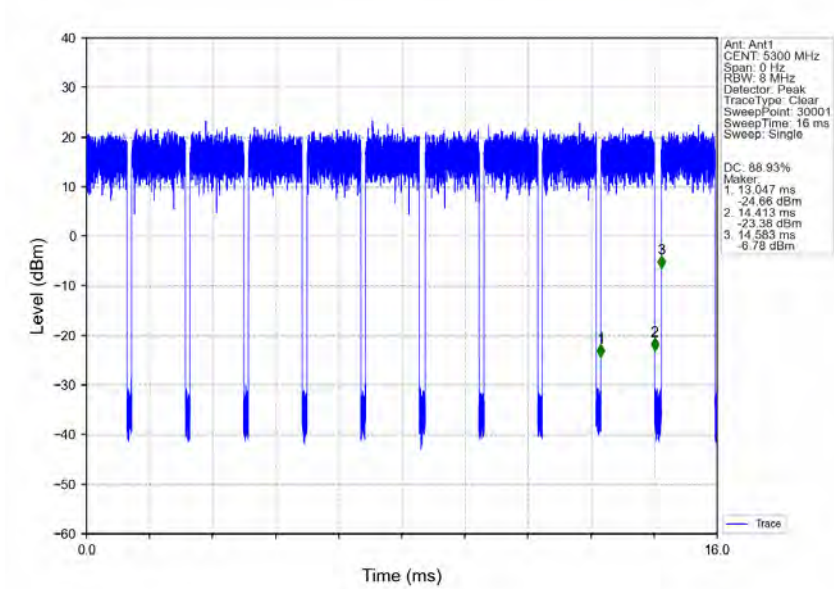
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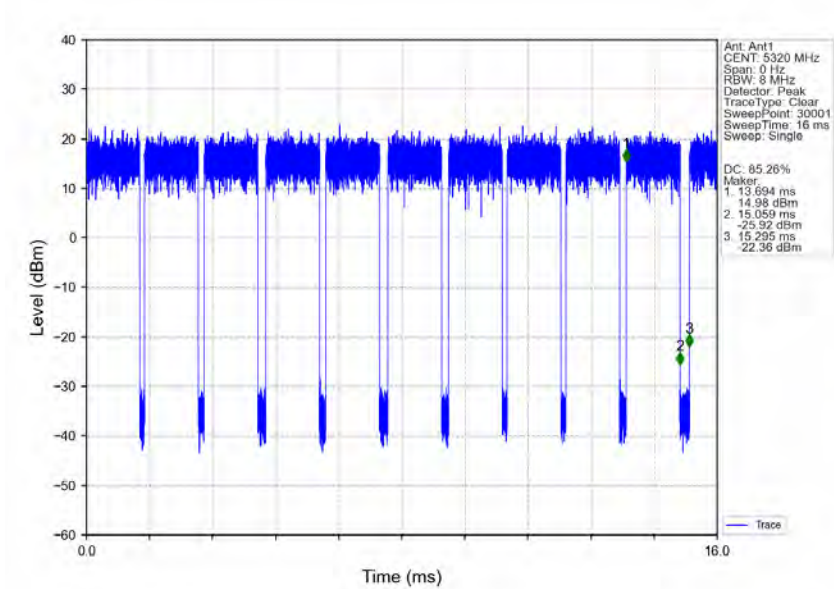
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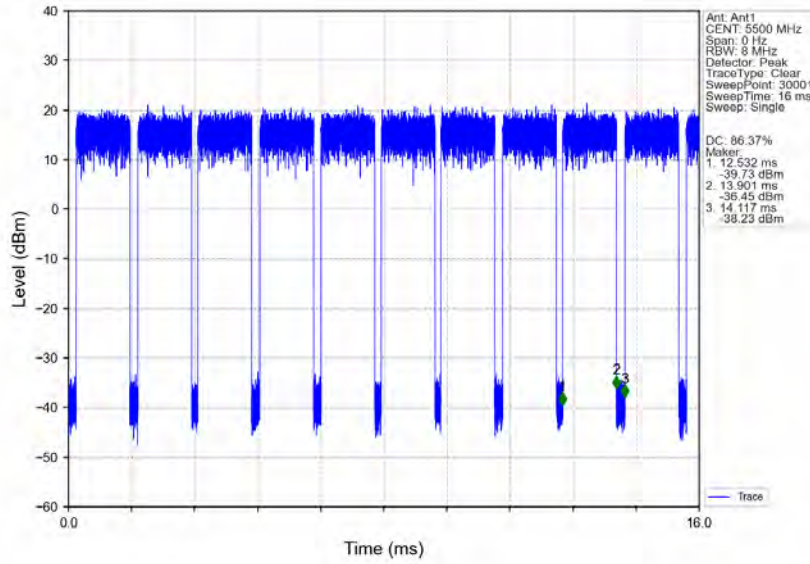
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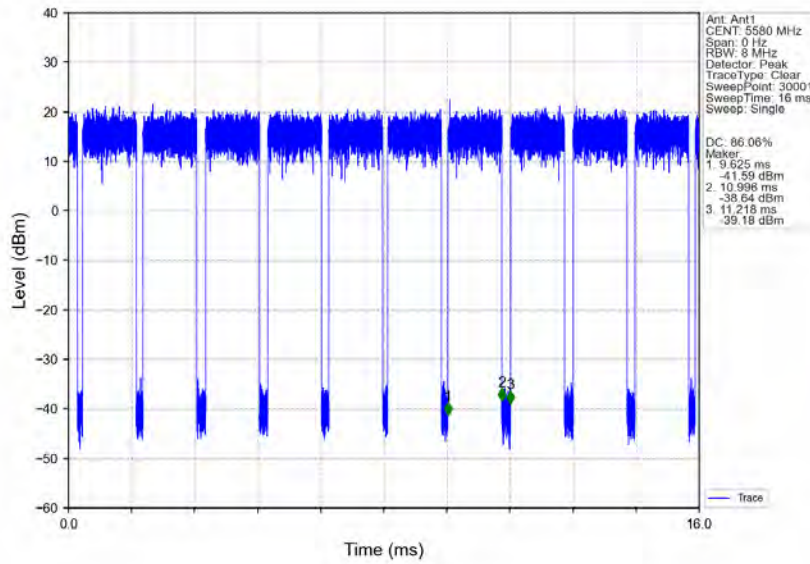
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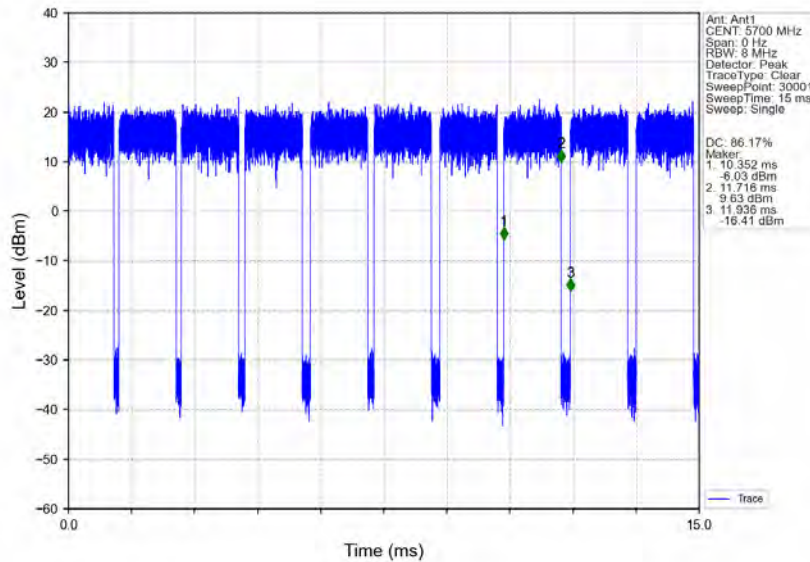
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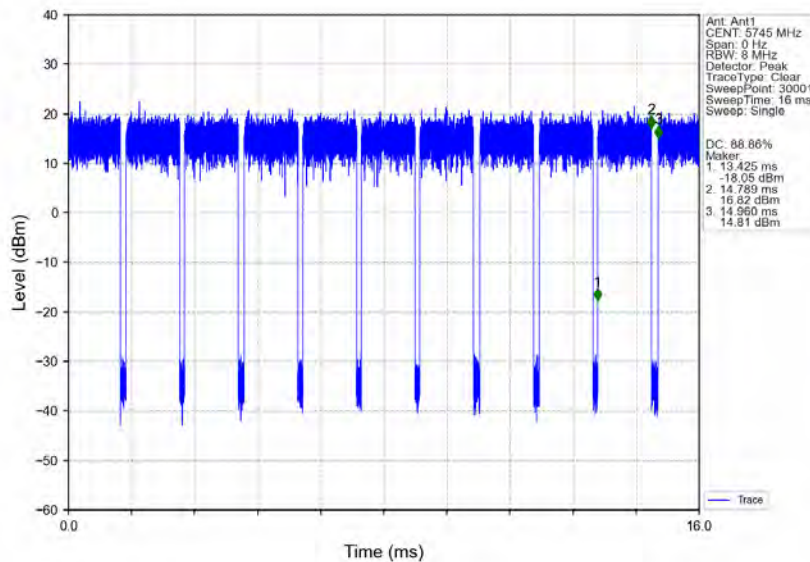
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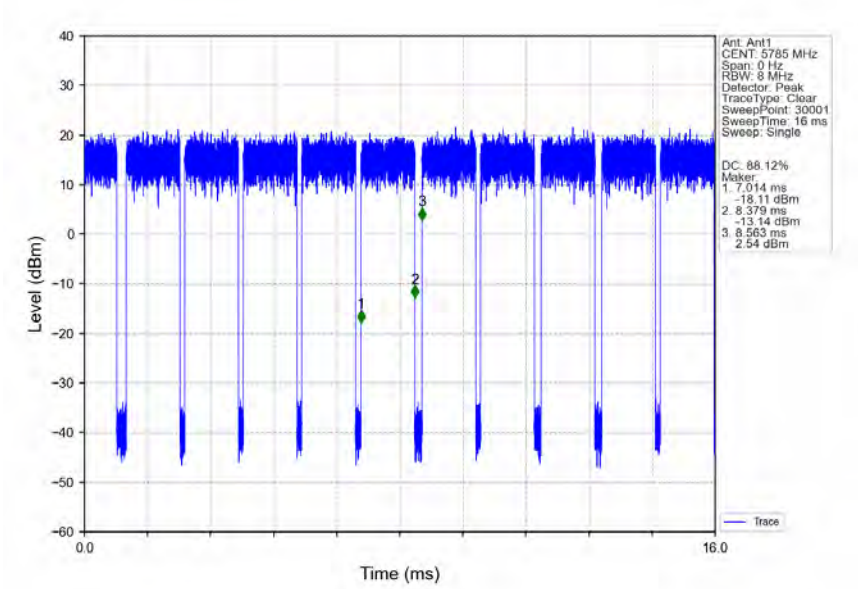
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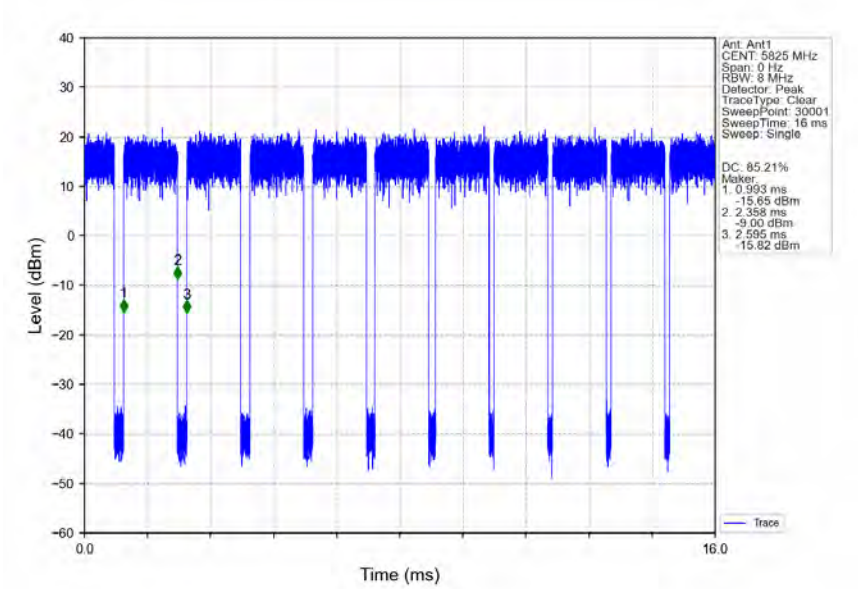
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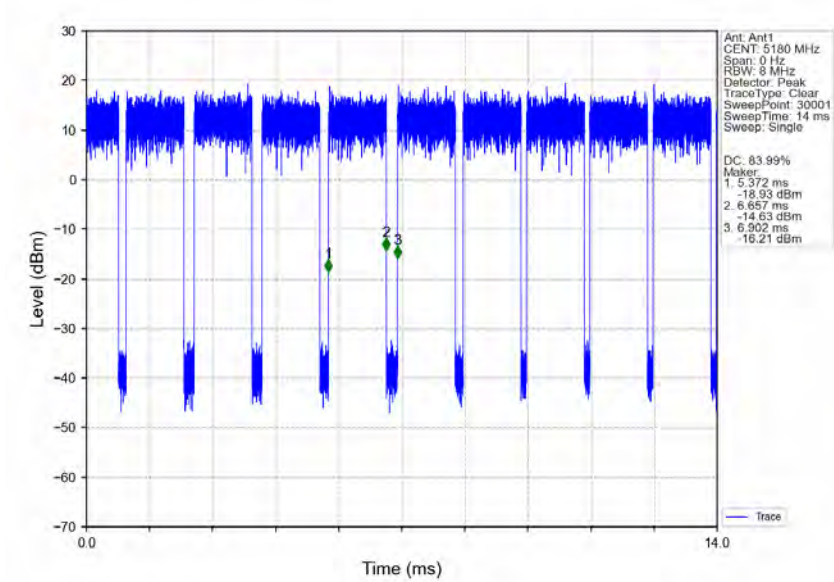
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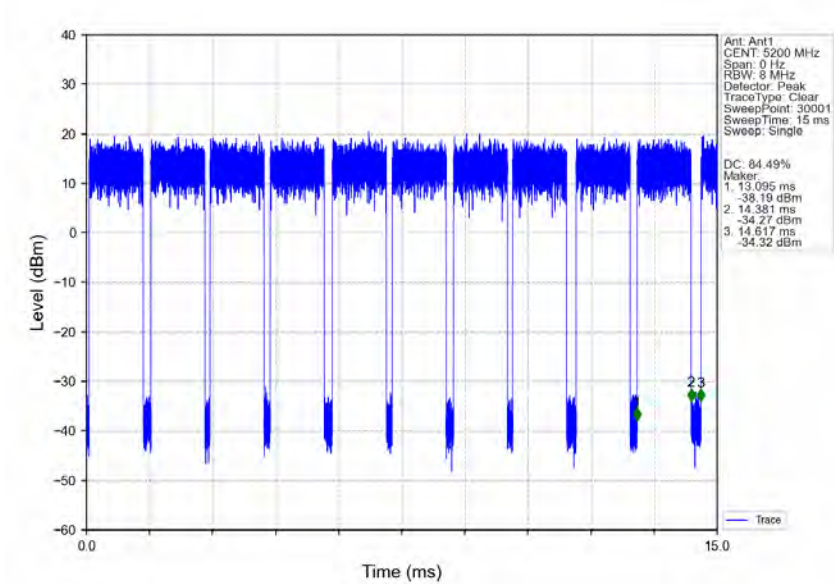
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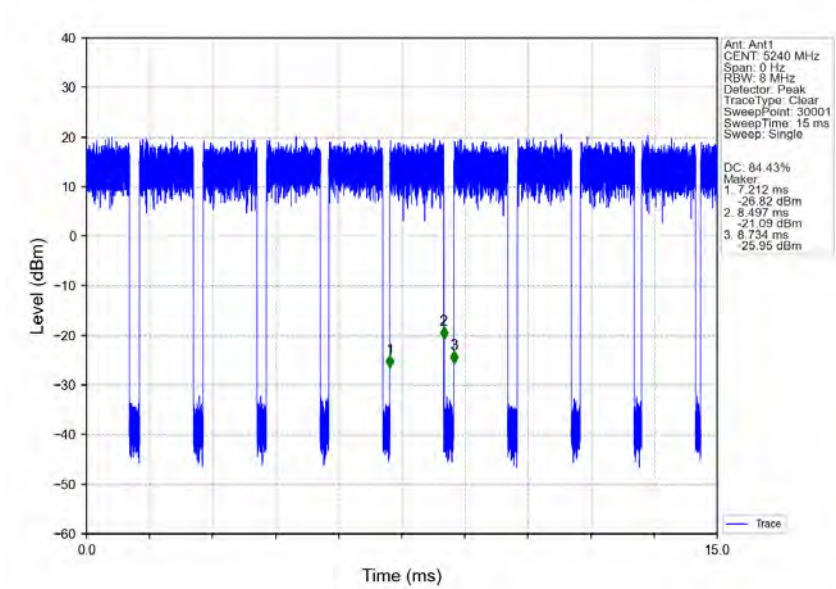
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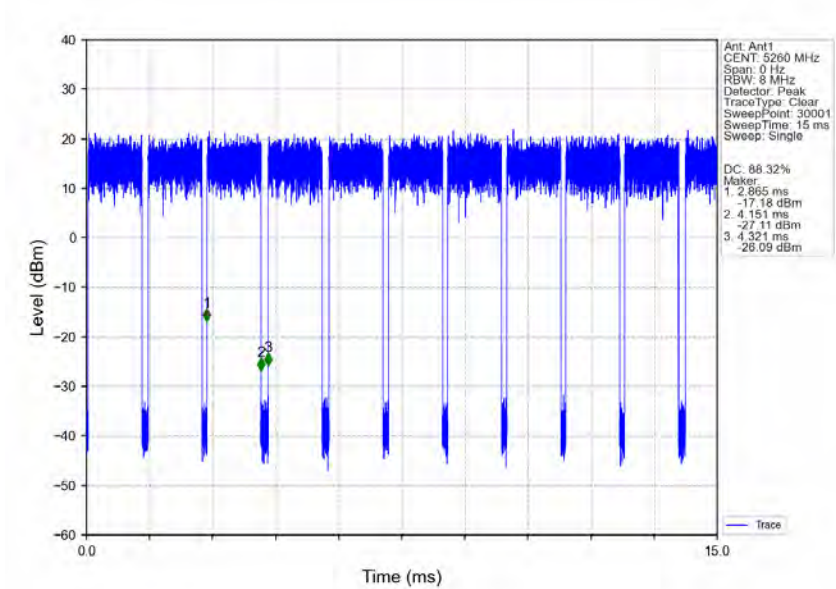
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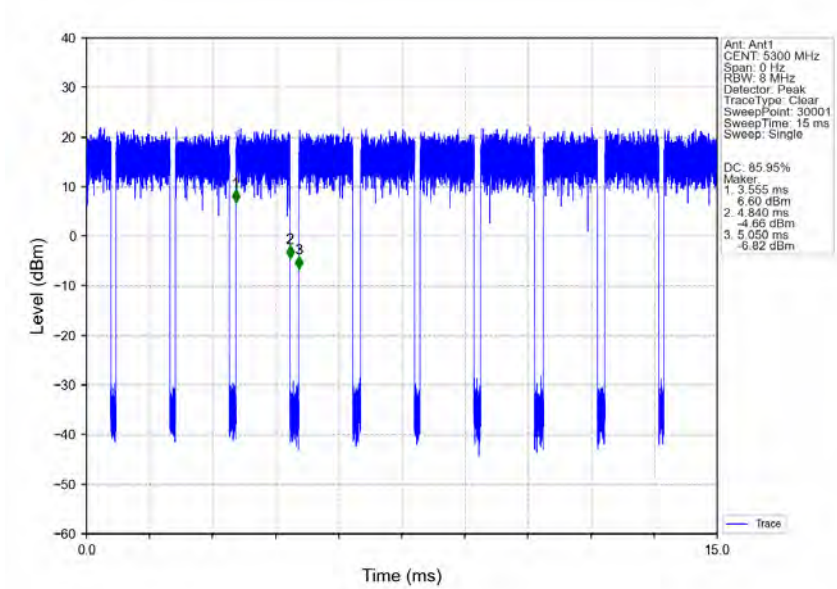
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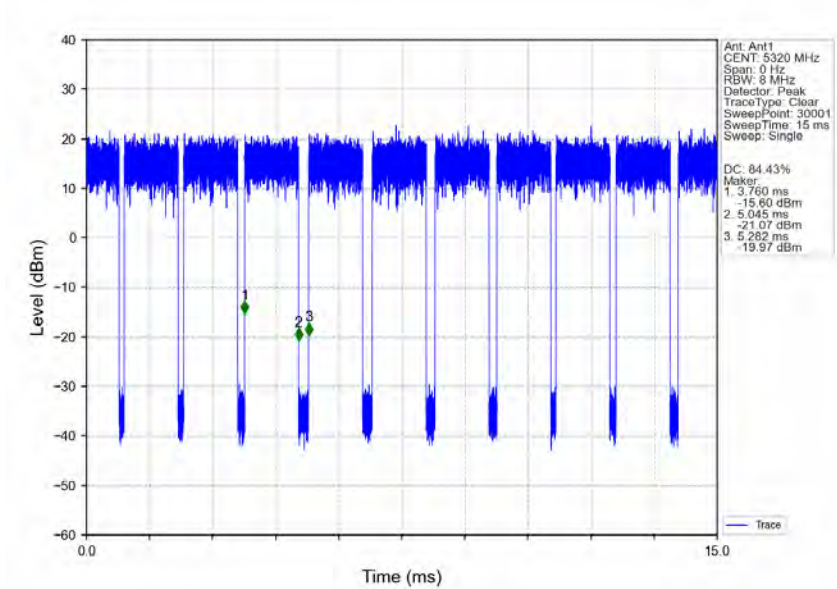
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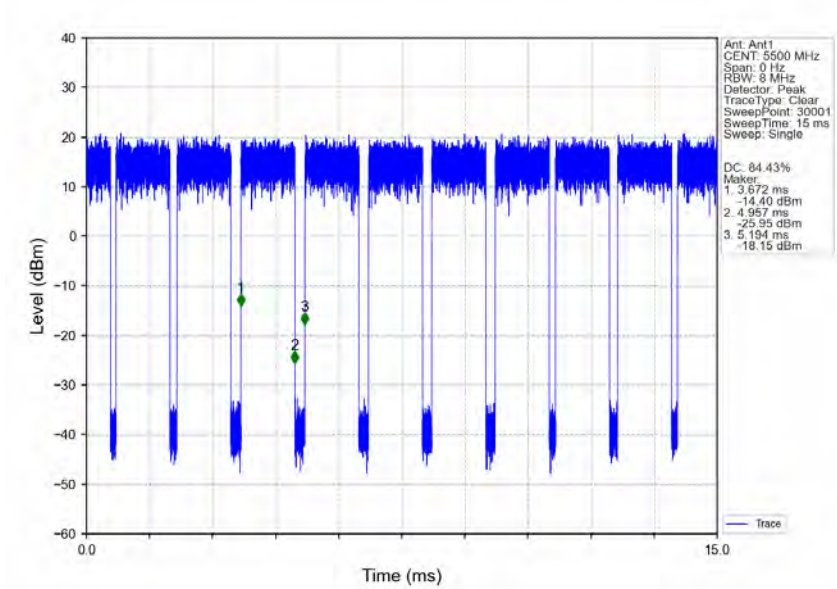
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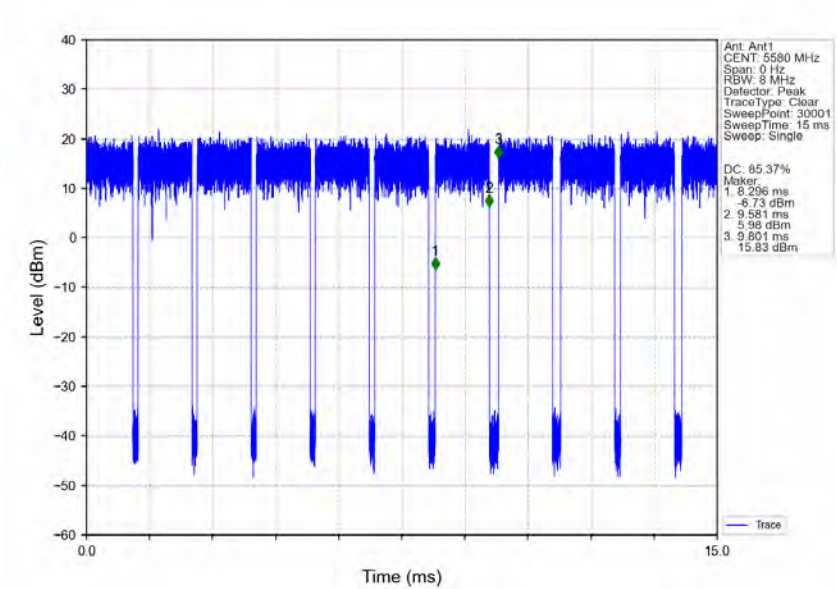
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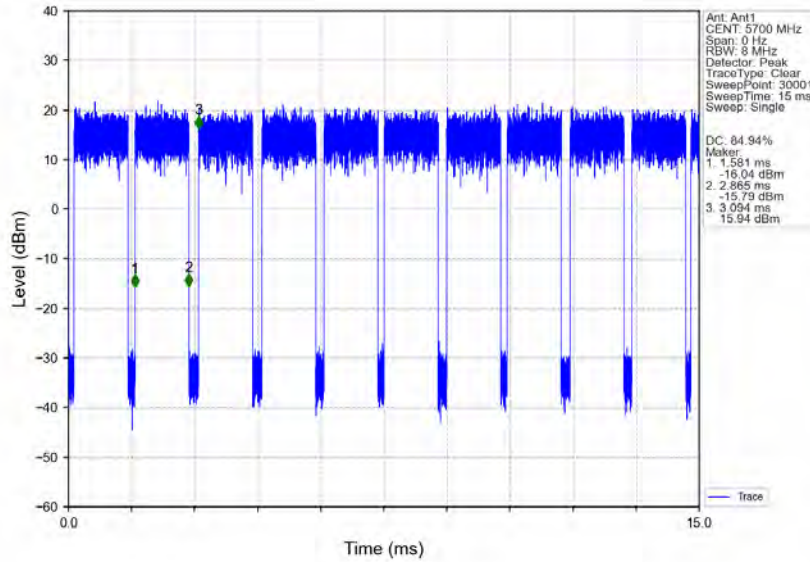
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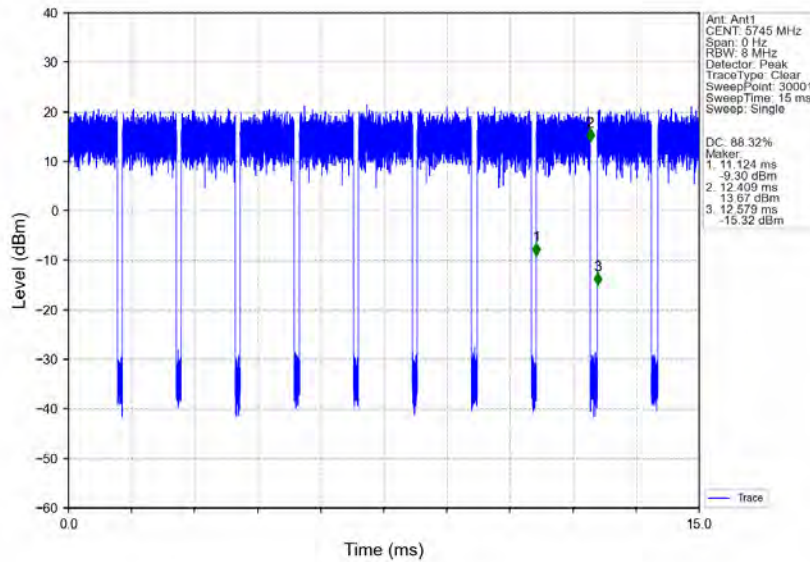
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802.11ac(VHT20) HCH 5700MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant1 NTN



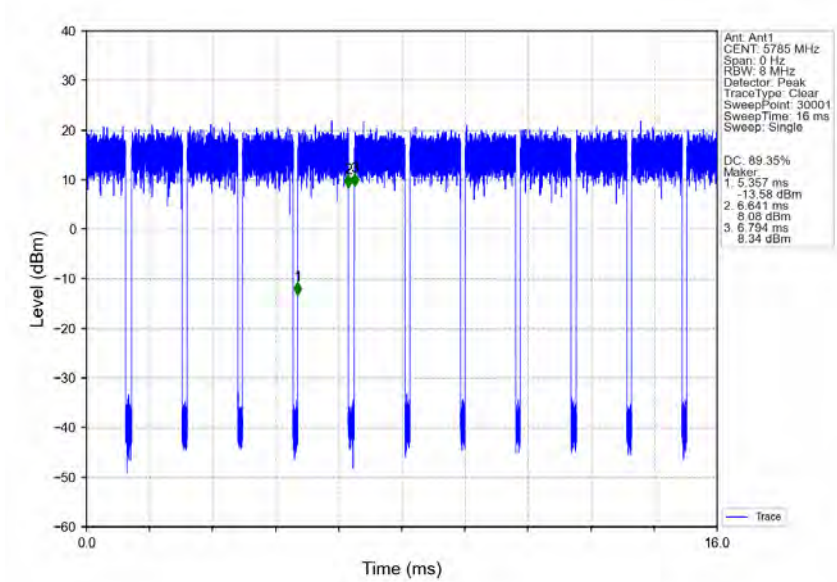
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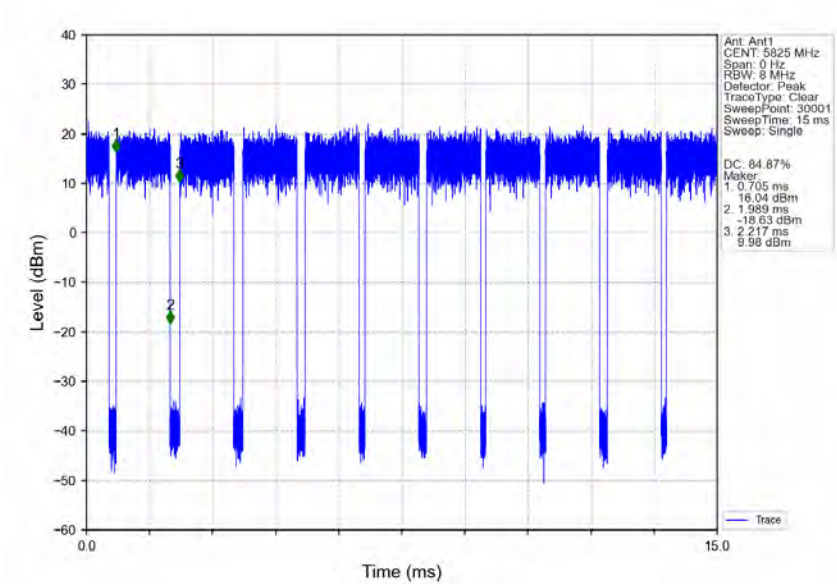
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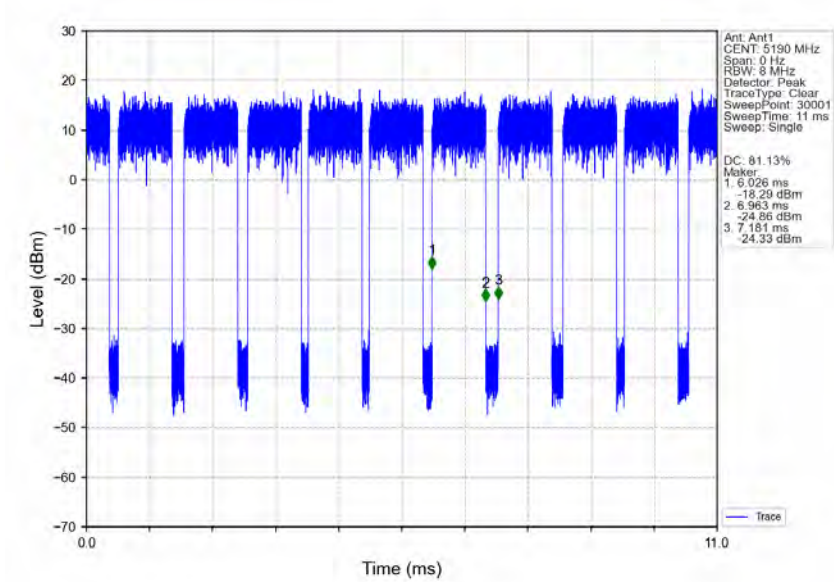
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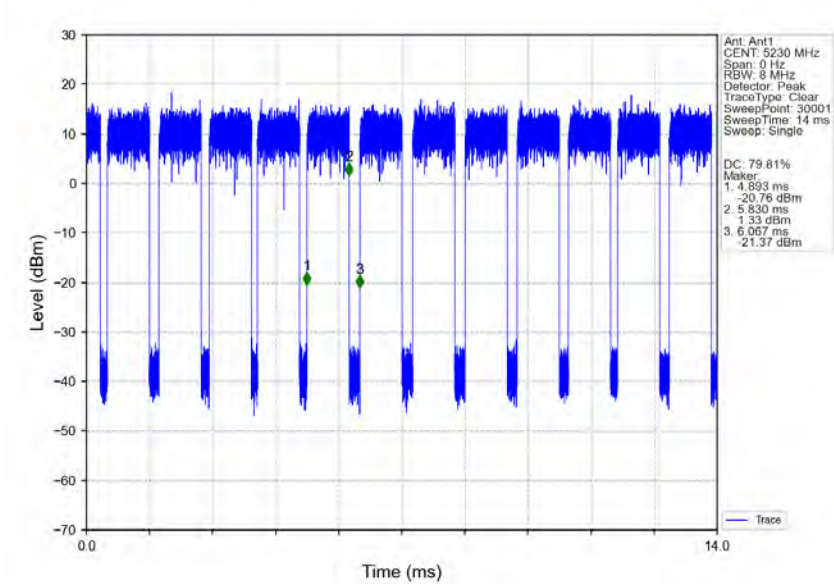
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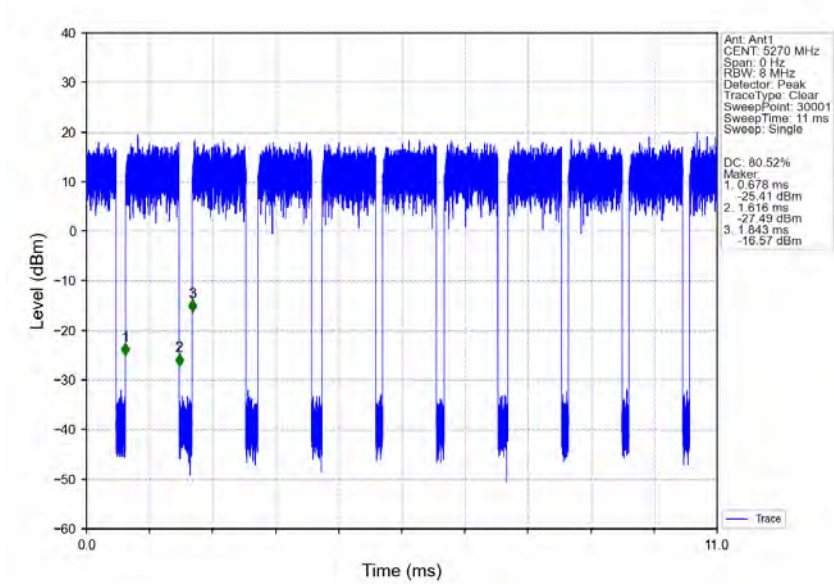
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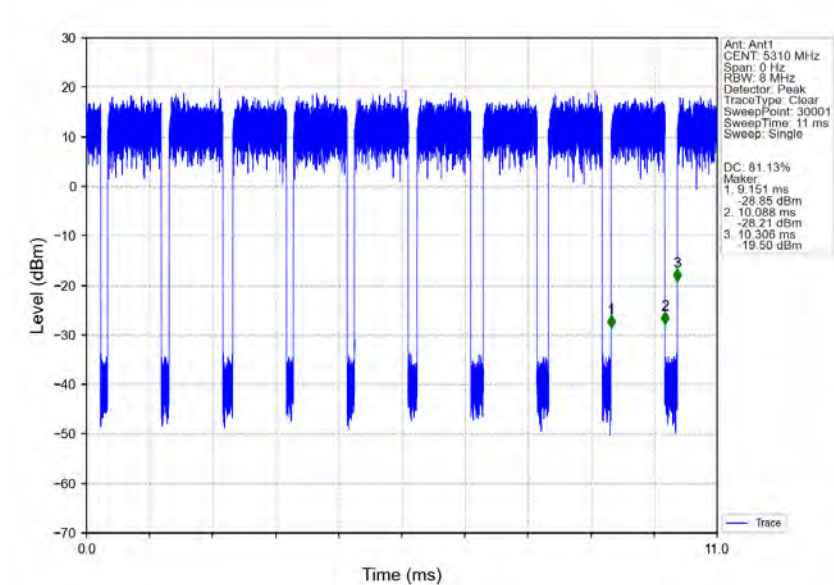
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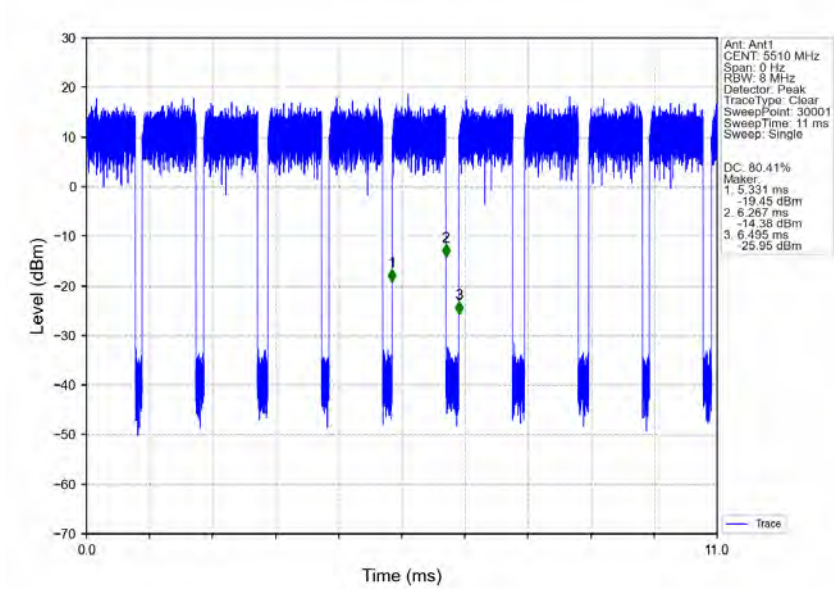
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



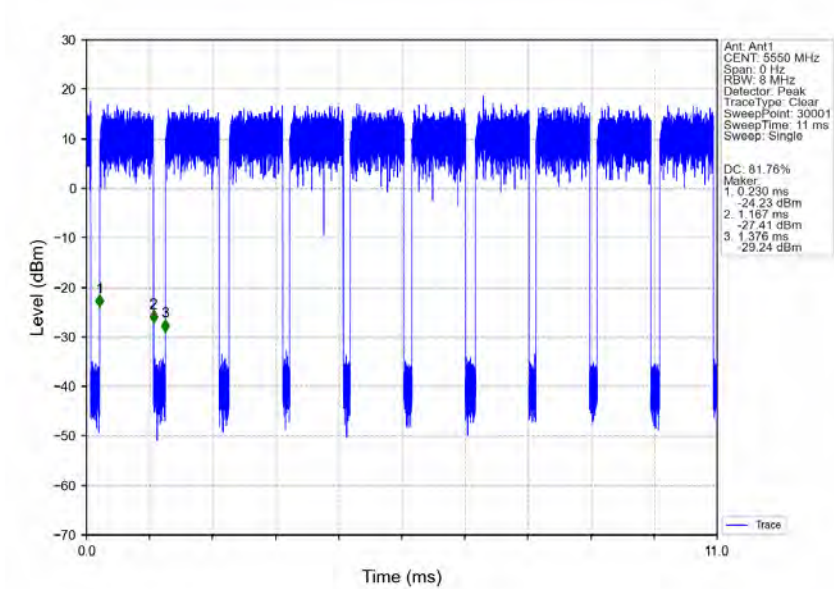
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



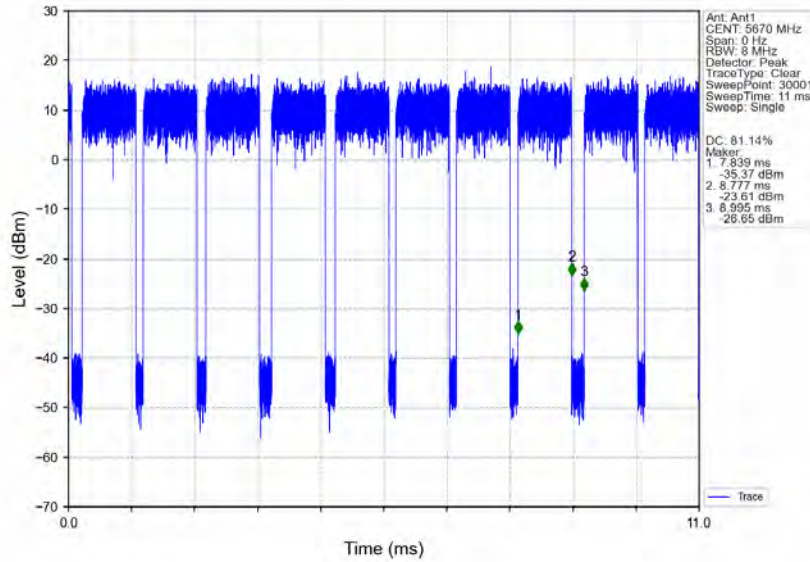
802.11ac(VHT40) LCH 5510MHz Ant1 NTN



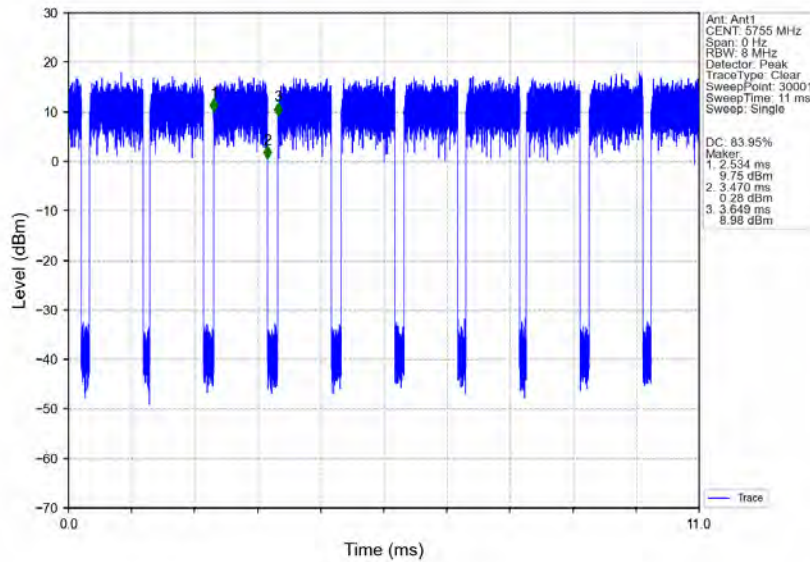
802.11ac(VHT40) MCH 5550MHz Ant1 NTN



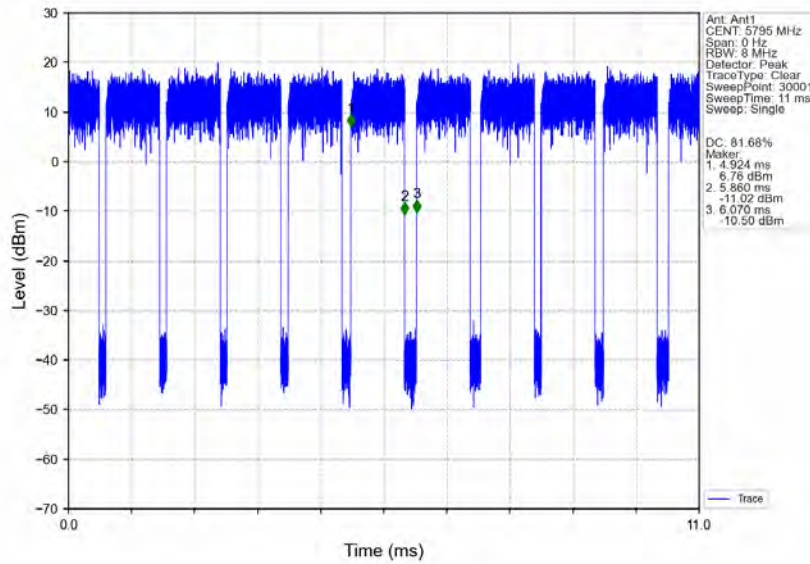
802.11ac(VHT40) HCH 5670MHz Ant1 NTNV



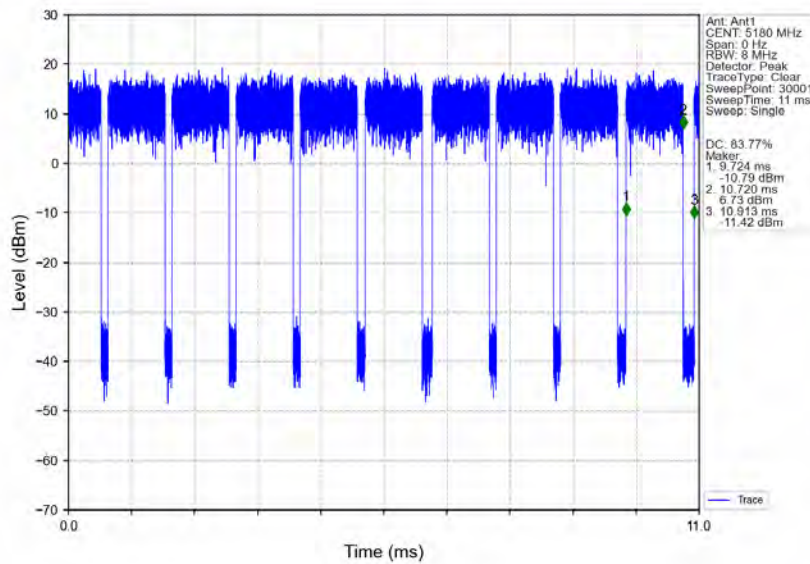
802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



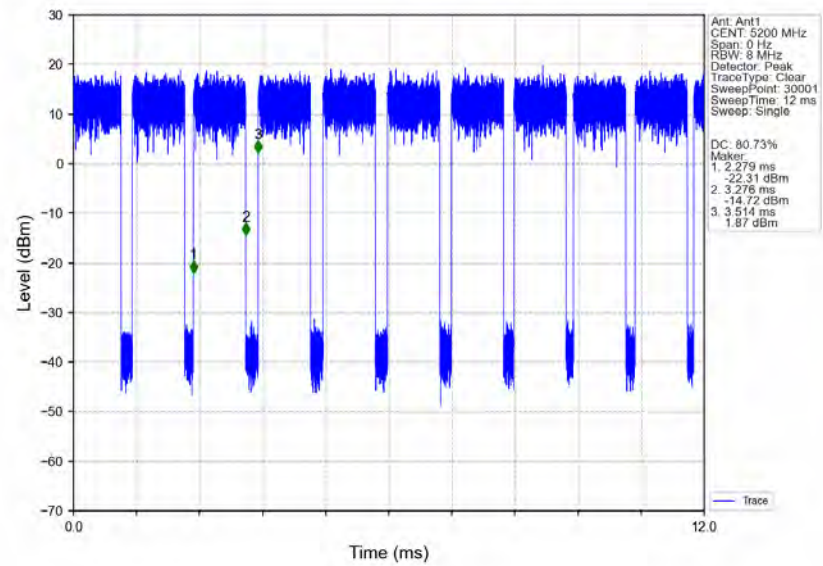
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



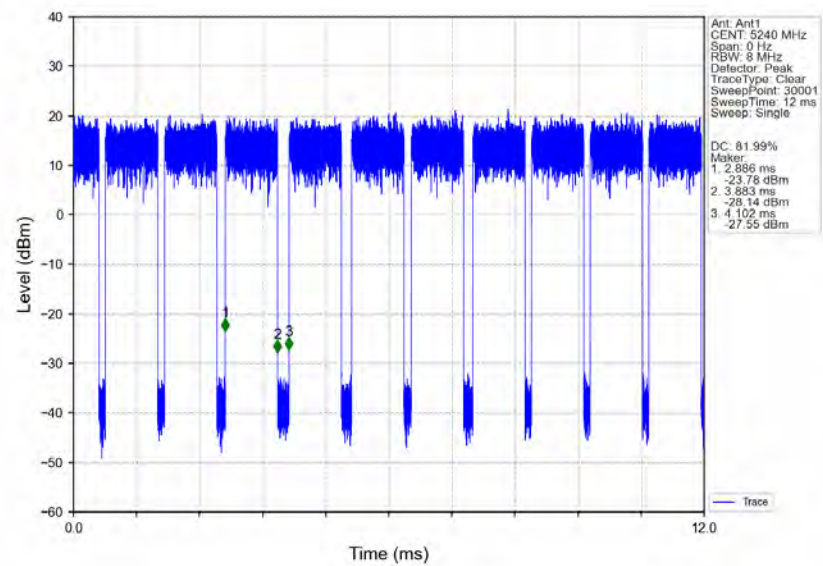
802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN

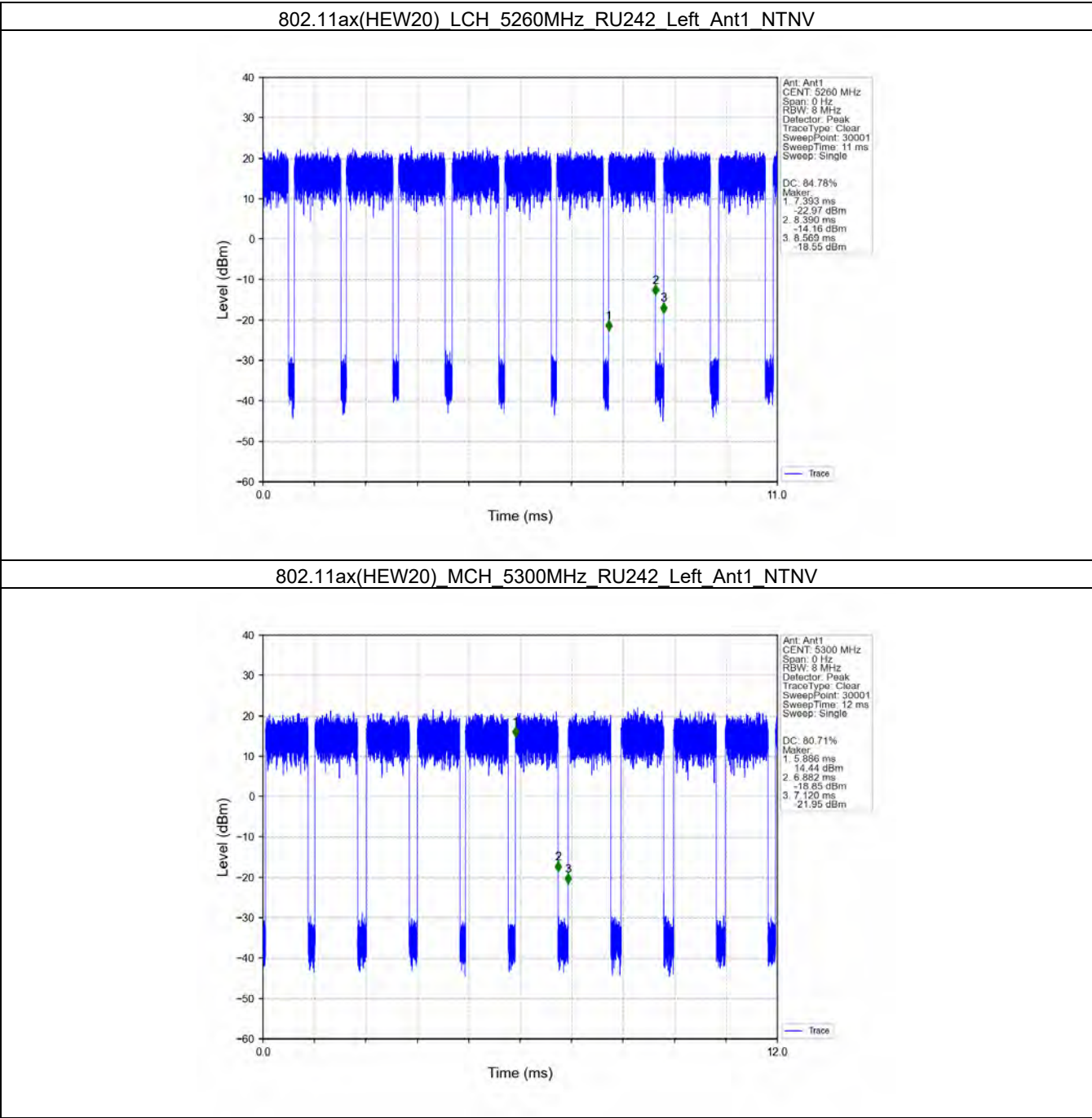


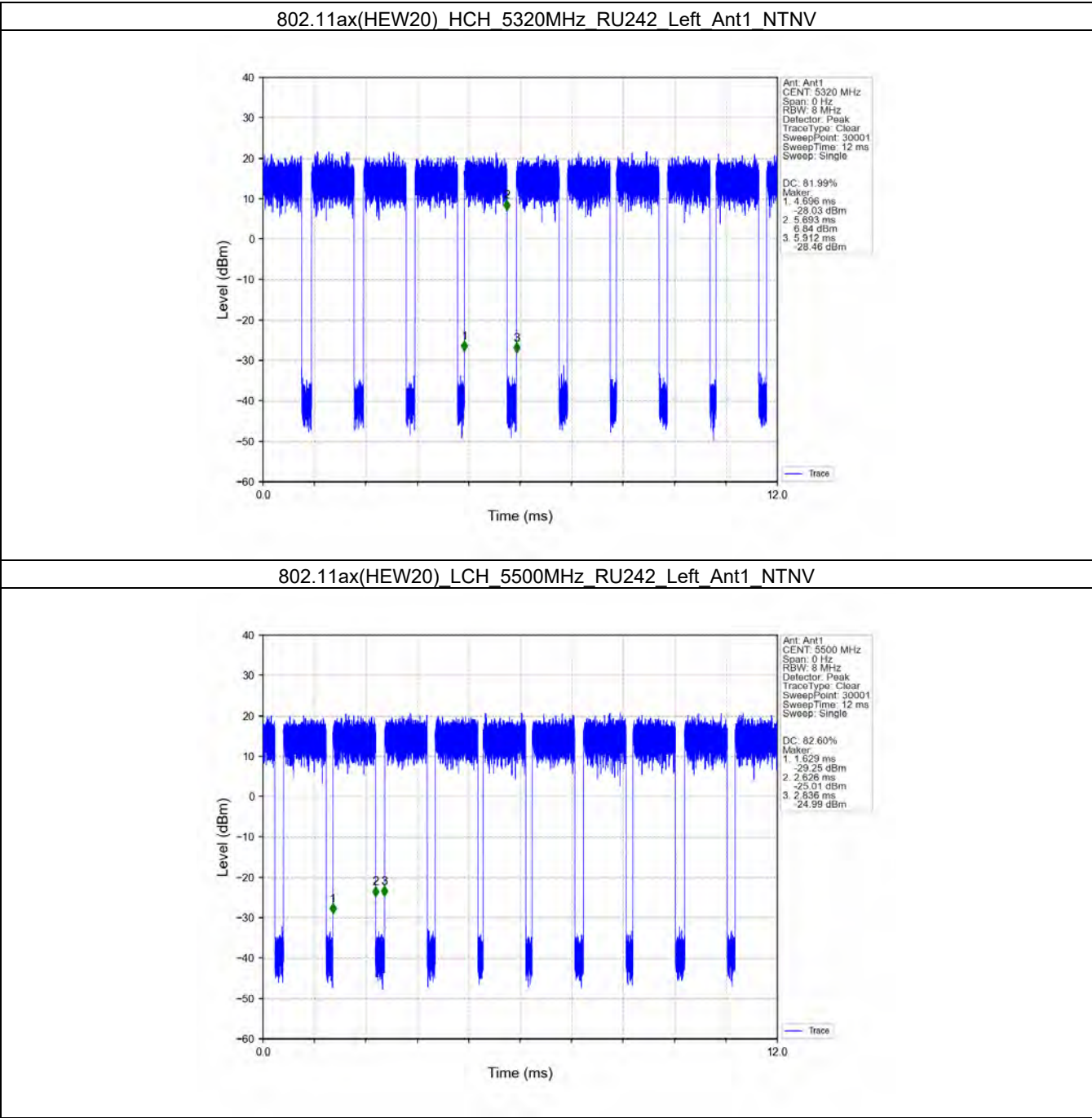
802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTN7



802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTN7





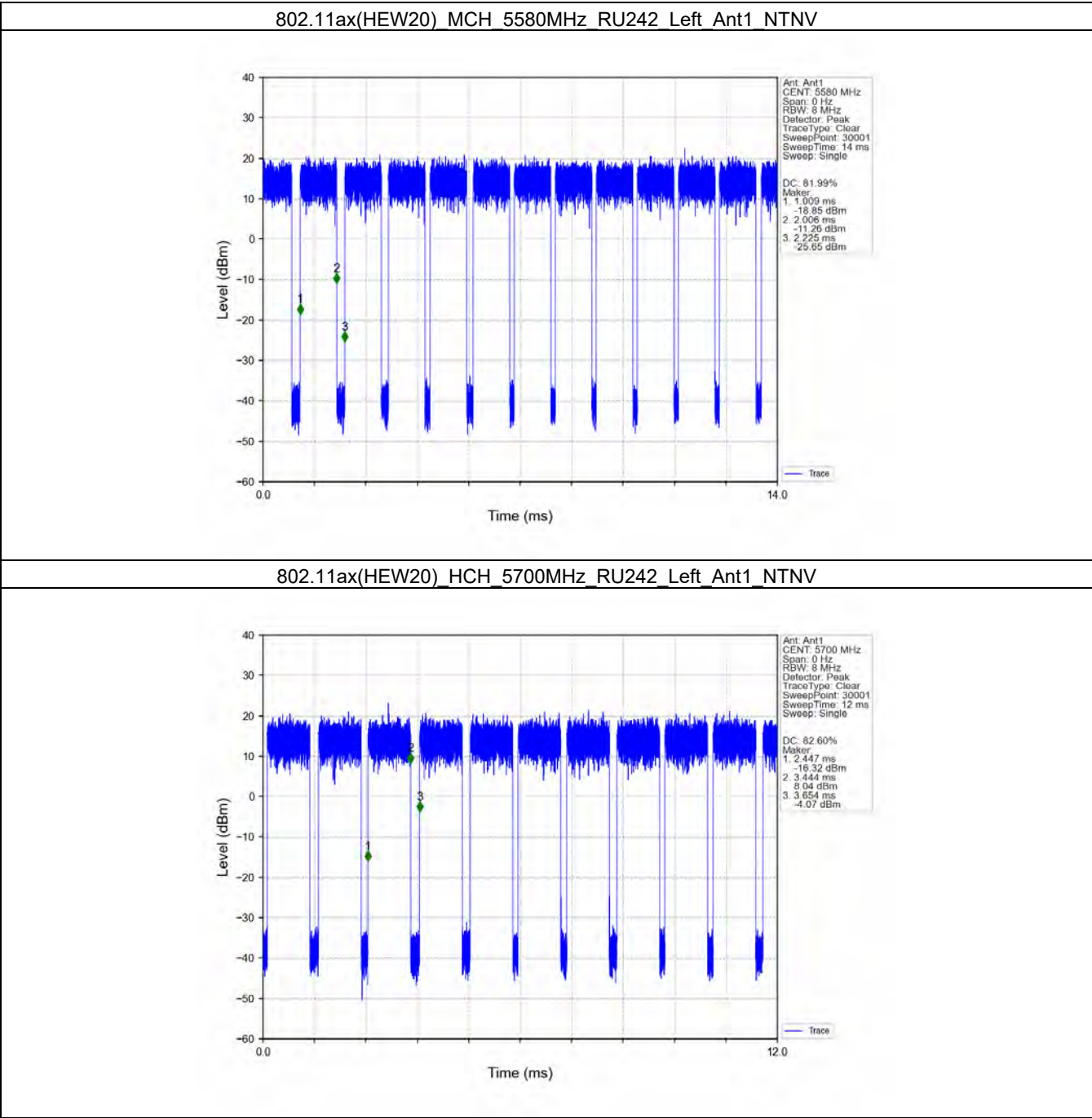


Compliance Certification Services (Kunshan) Inc.

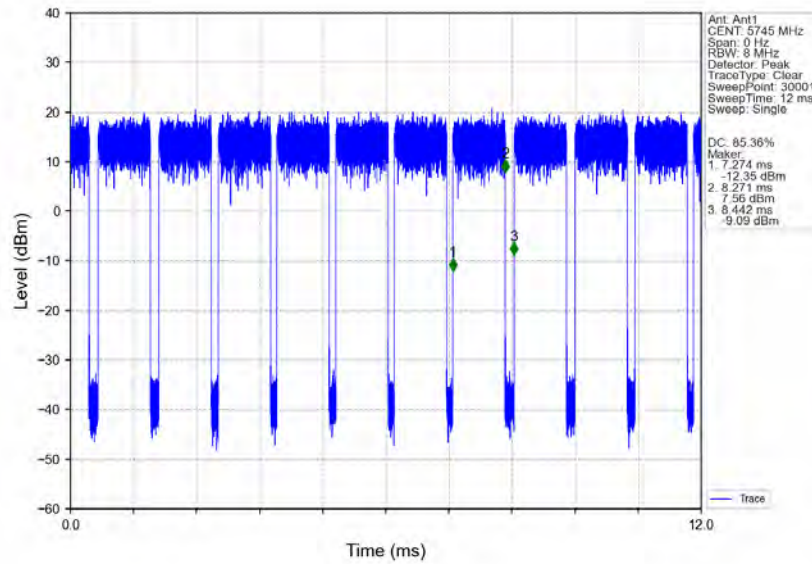
CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240900172502

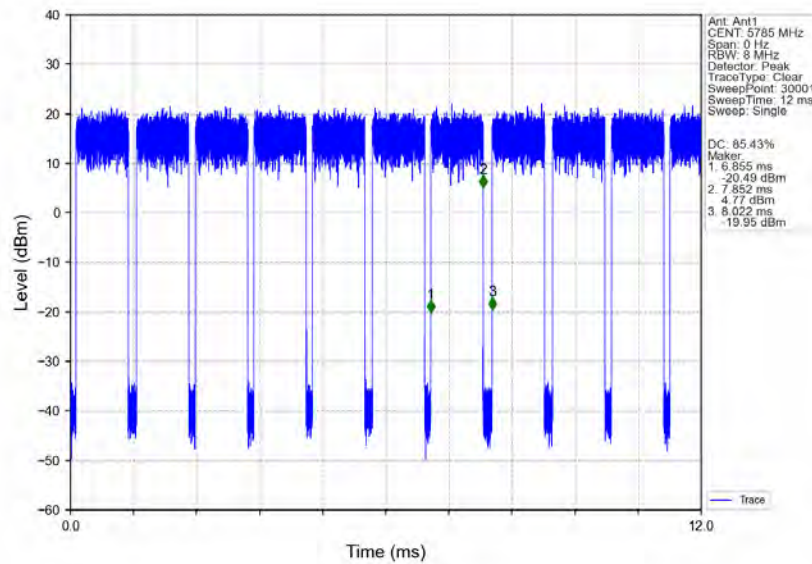
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802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTN



802.11ax(HEW20) MCH 5785MHz RU242 Left Ant1 NTN



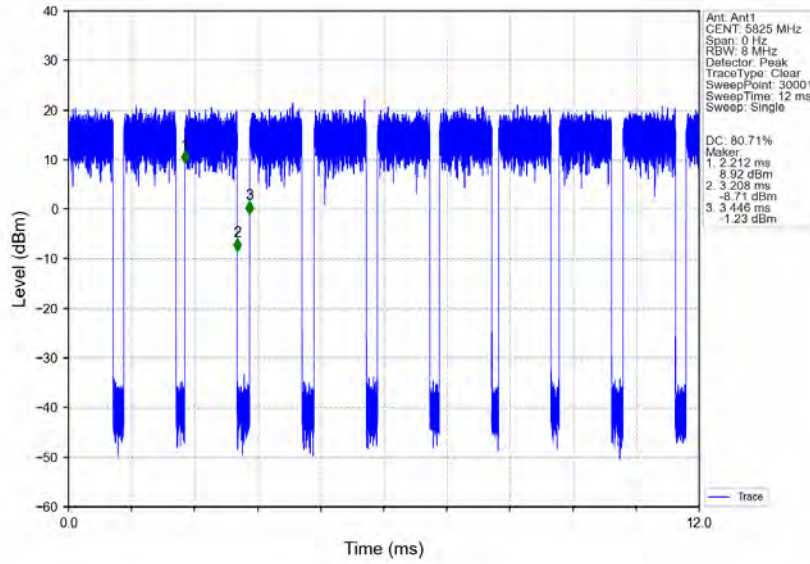
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

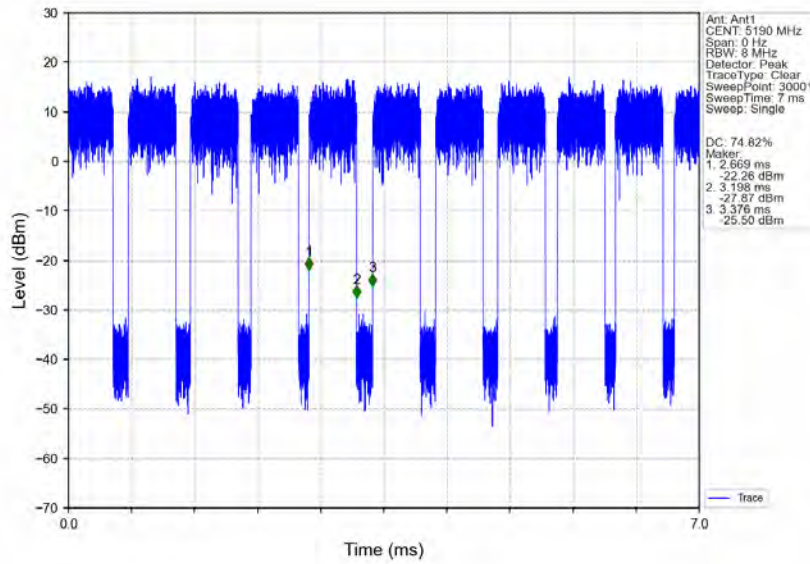
Report No.: KSCR240900172502

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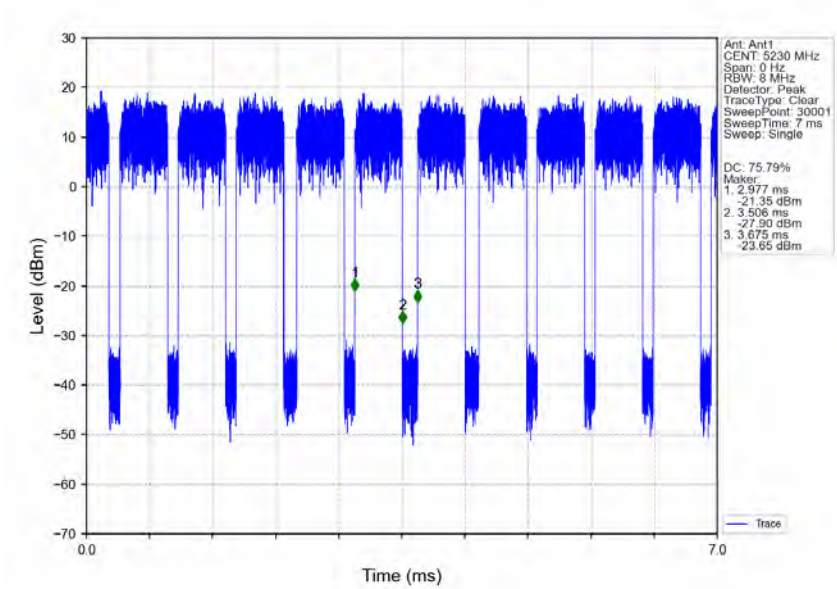
802.11ax(HEW20) HCH 5825MHz RU242 Left Ant1 NTN



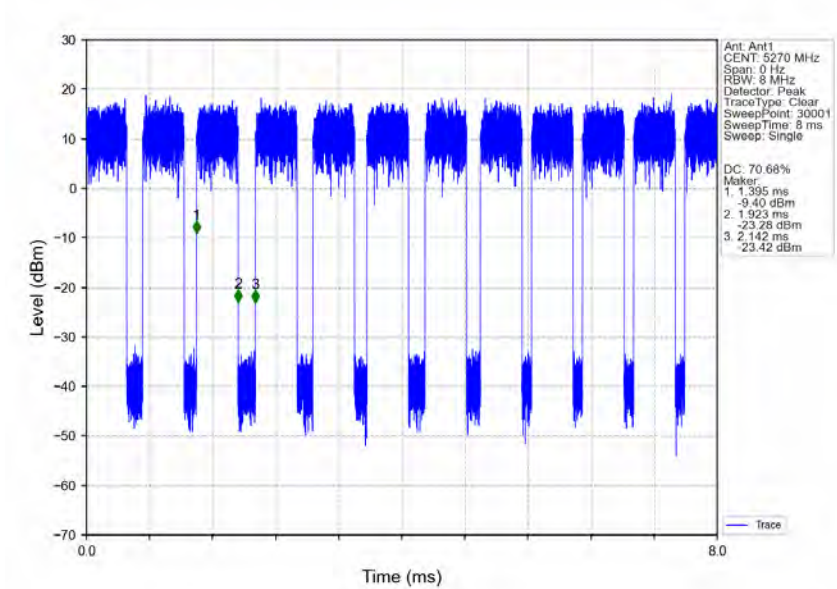
802.11ax(HEW40) LCH 5190MHz RU484 Left Ant1 NTN



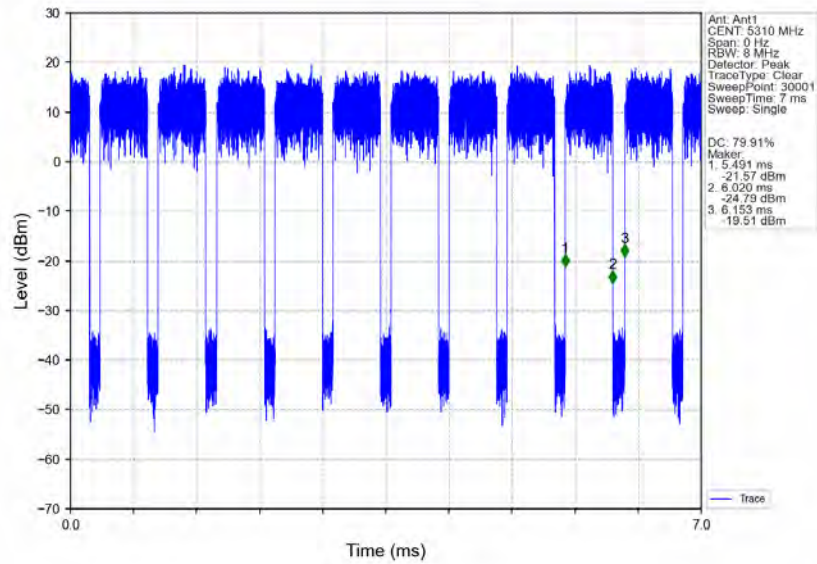
802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



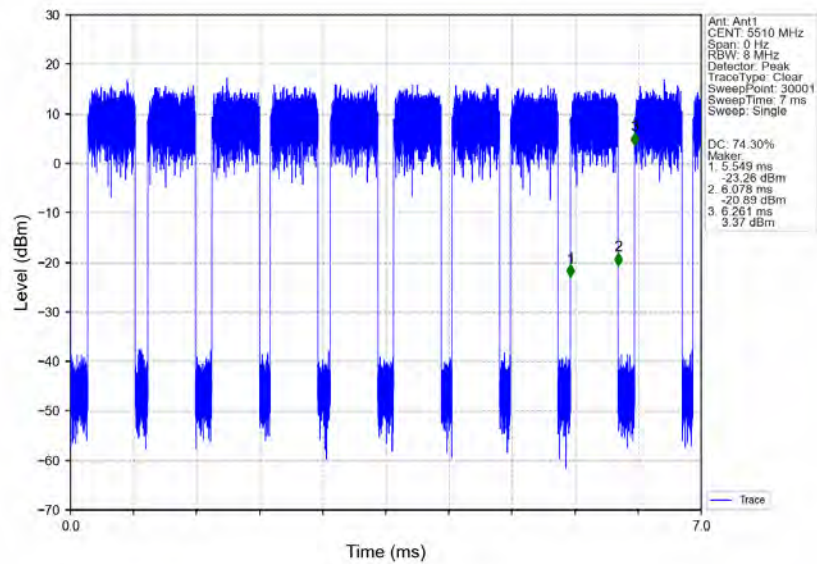
802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



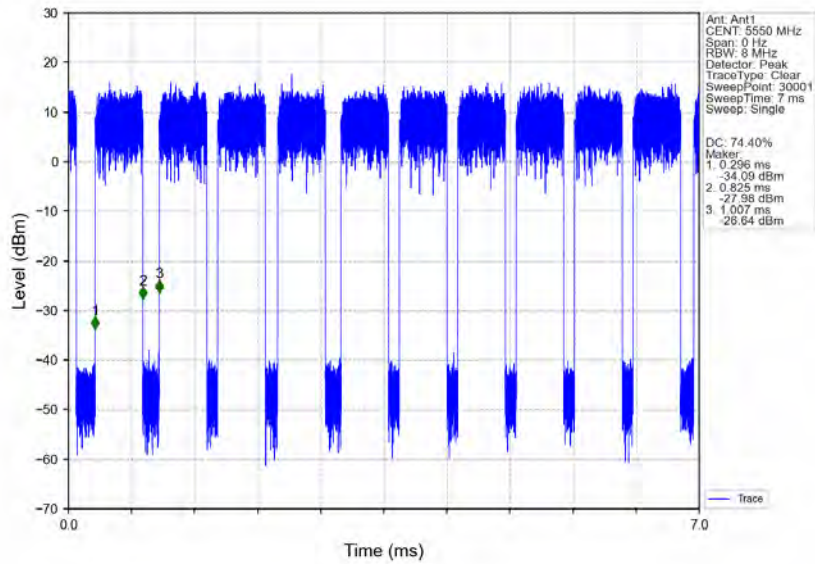
802.11ax(HEW40) HCH 5310MHz RU484 Left Ant1 NTN



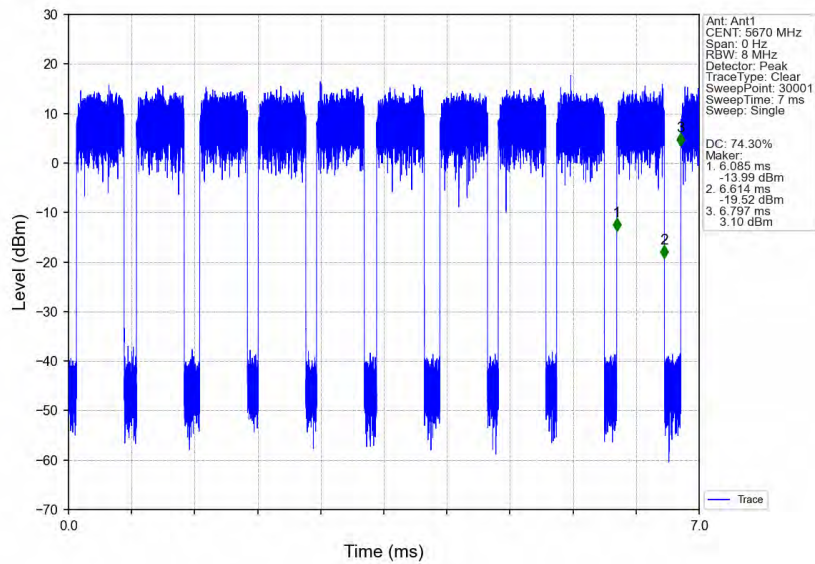
802.11ax(HEW40) LCH 5510MHz RU484 Left Ant1 NTN



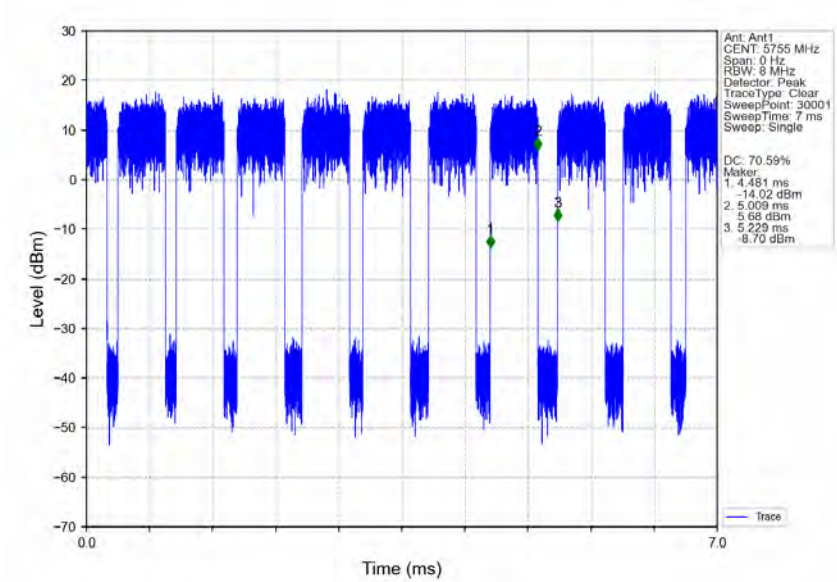
802.11ax(HEW40) MCH 5550MHz RU484 Left Ant1 NTNW



802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTNW



802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTN

