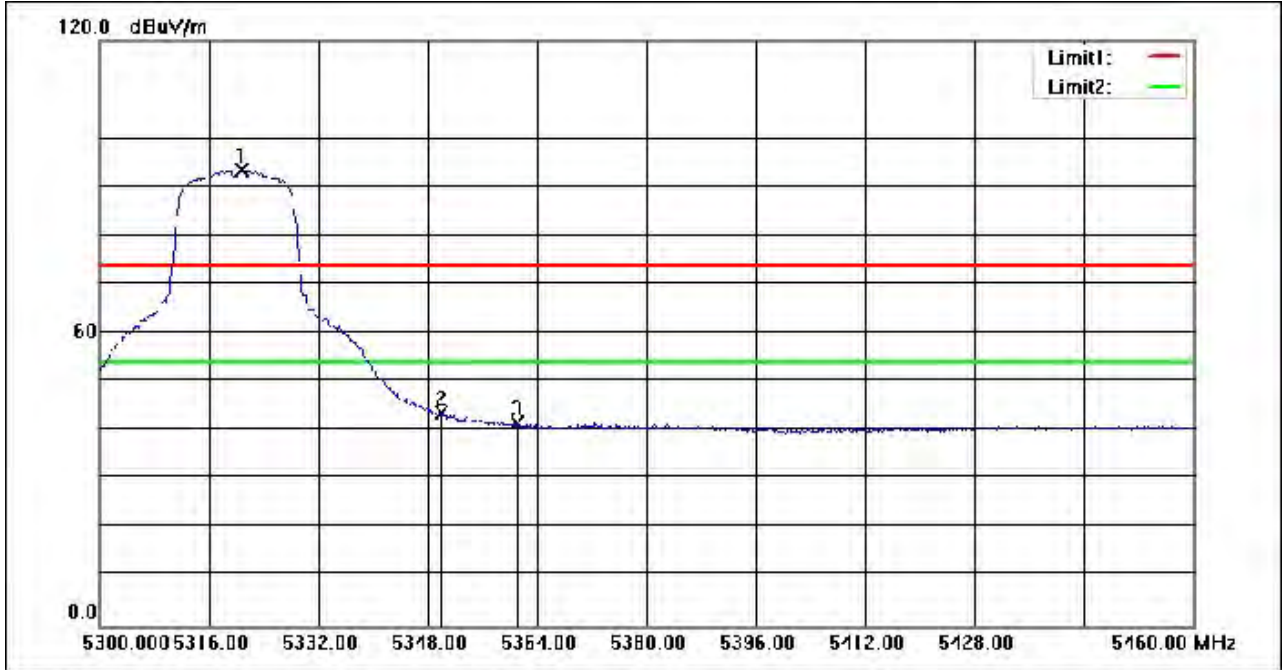


Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5320.800	103.47	-10.07	93.40	54.00	39.40	AVG
2	5350.000	53.64	-9.94	43.70	54.00	-10.30	AVG
3	5361.120	51.52	-9.89	41.63	54.00	-12.37	AVG



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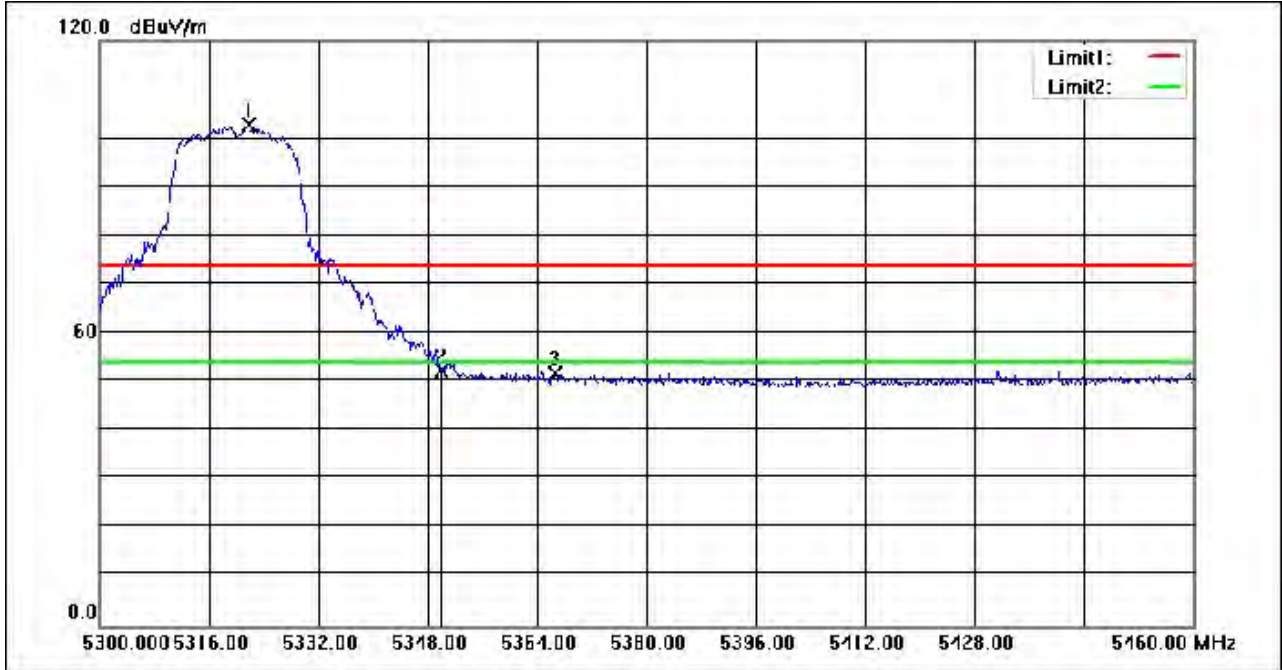
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5321.760	112.74	-10.07	102.67	74.00	28.67	peak
2	5350.000	62.40	-9.94	52.46	74.00	-21.54	peak
3	5366.560	61.49	-9.86	51.63	74.00	-22.37	peak



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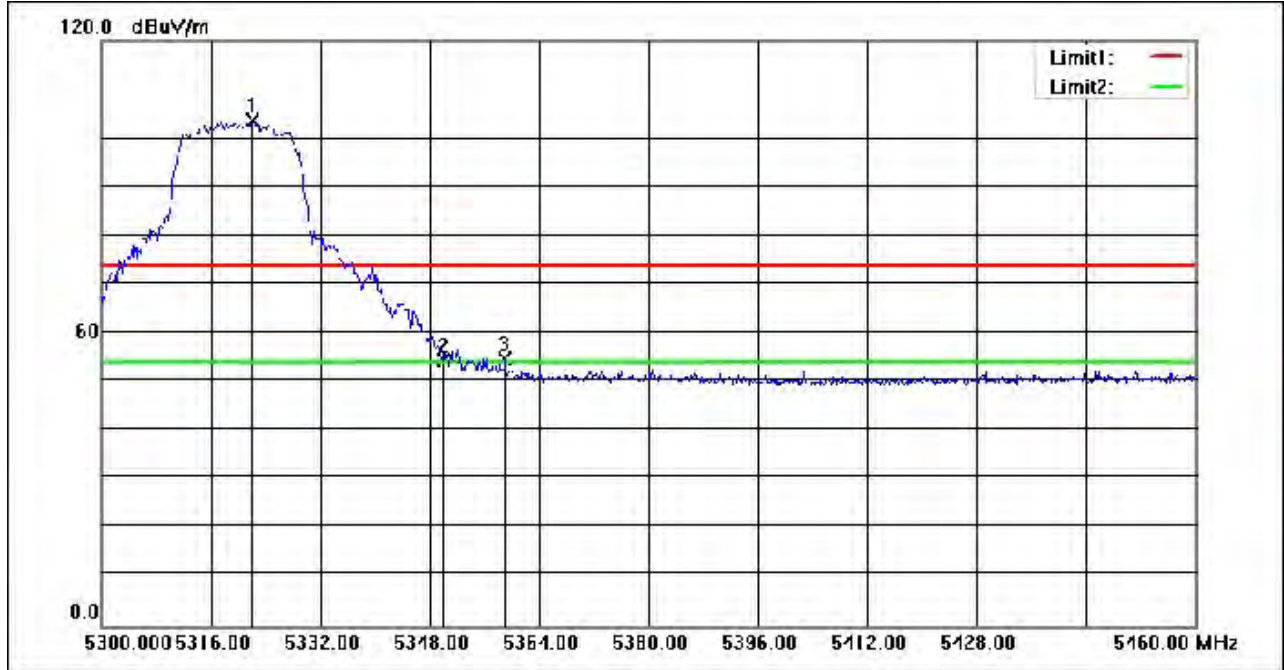
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Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5322.080	113.74	-10.07	103.67	74.00	29.67	peak
2	5350.000	64.33	-9.94	54.39	74.00	-19.61	peak
3	5359.040	64.52	-9.89	54.63	74.00	-19.37	peak



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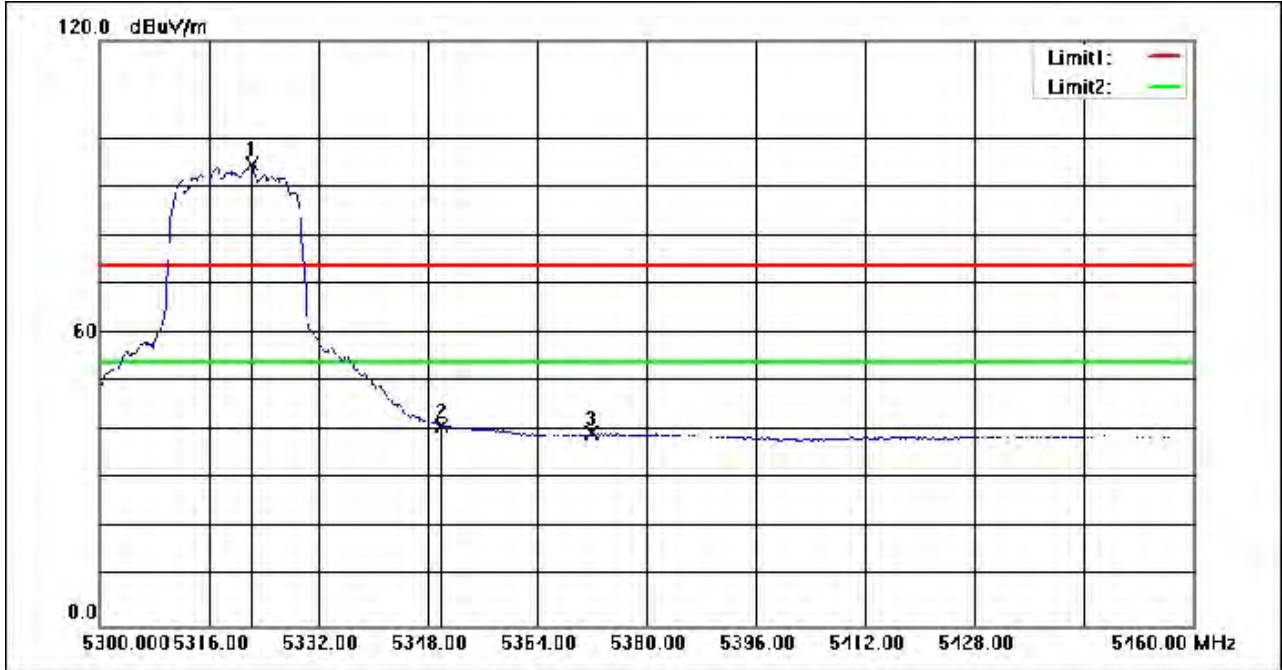
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5322.240	104.78	-10.07	94.71	54.00	40.71	AVG
2	5350.000	51.00	-9.94	41.06	54.00	-12.94	AVG
3	5372.000	49.24	-9.83	39.41	54.00	-14.59	AVG



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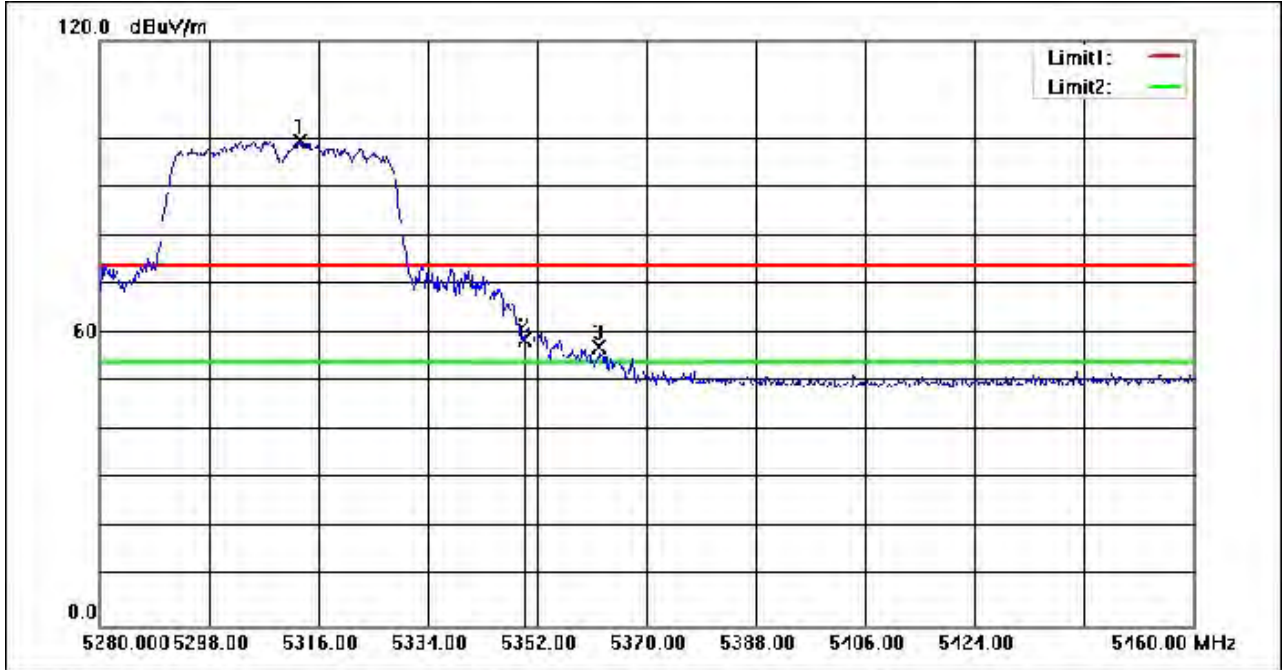
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5312.940	109.47	-10.11	99.36	74.00	25.36	peak
2	5350.000	68.63	-9.94	58.69	74.00	-15.31	peak
3	5362.260	66.89	-9.88	57.01	74.00	-16.99	peak



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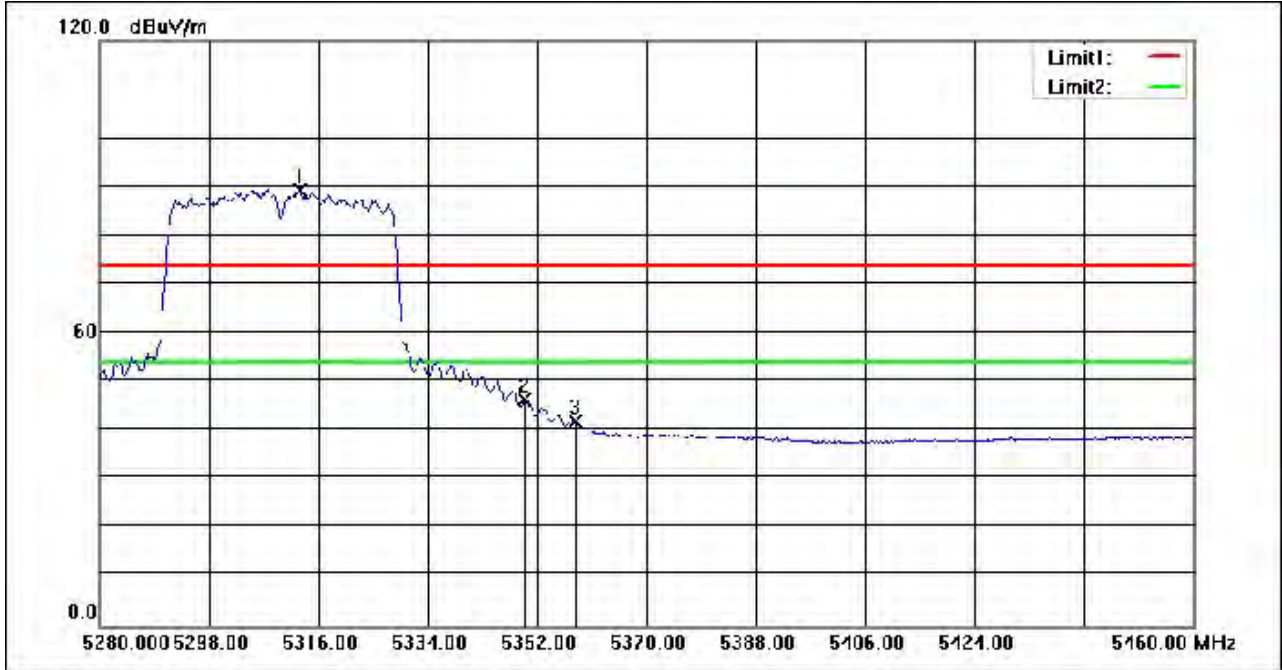
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5312.940	99.36	-10.11	89.25	54.00	35.25	AVG
2	5350.000	56.43	-9.94	46.49	54.00	-7.51	AVG
3	5358.300	51.68	-9.90	41.78	54.00	-12.22	AVG



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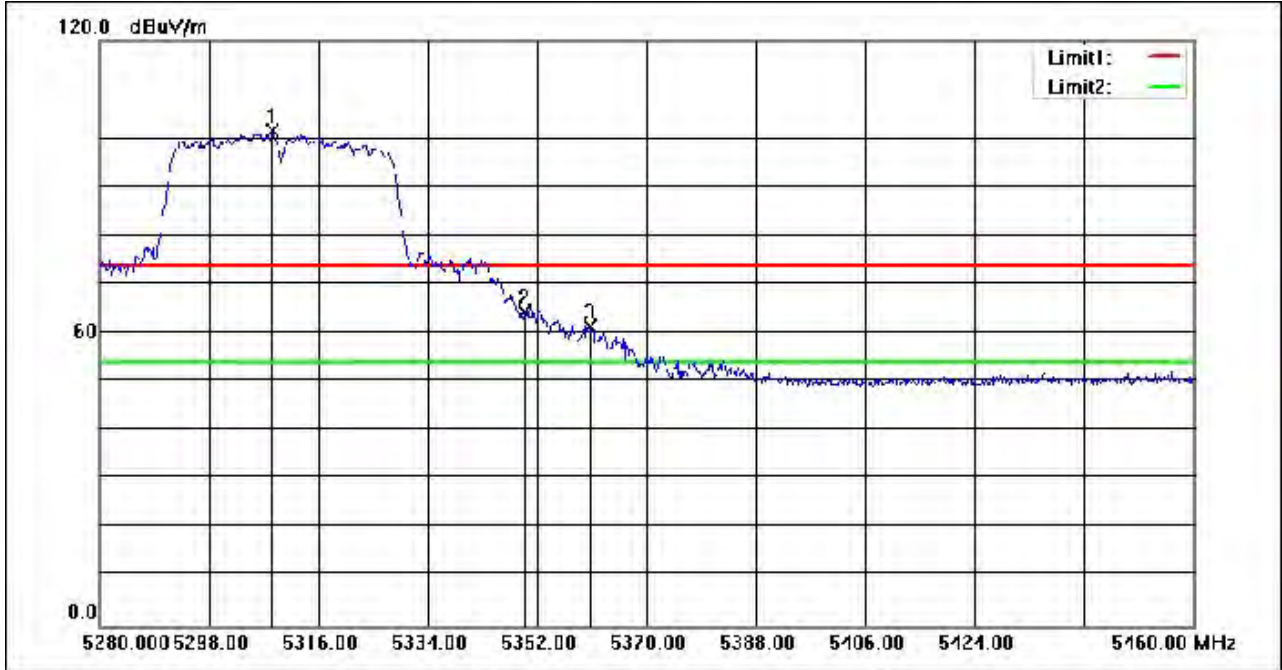
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.440	111.68	-10.13	101.55	74.00	27.55	peak
2	5350.000	74.27	-9.94	64.33	74.00	-9.67	peak
3	5360.820	71.26	-9.89	61.37	74.00	-12.63	peak



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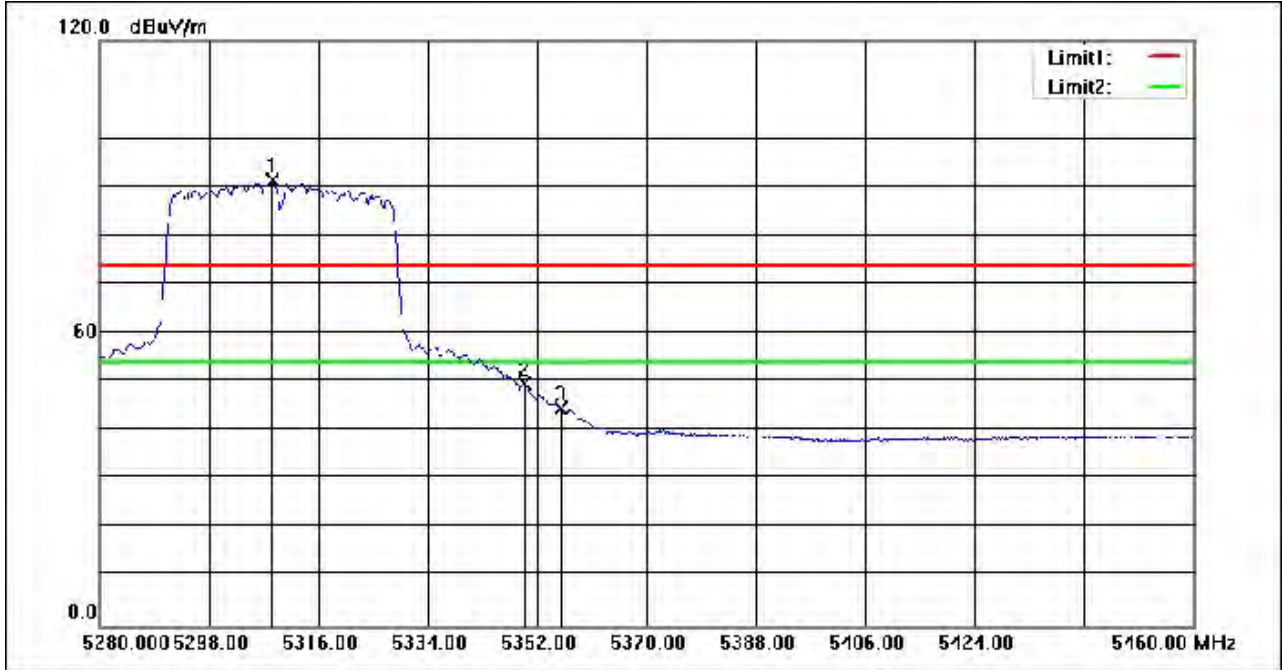
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.440	101.37	-10.13	91.24	54.00	37.24	AVG
2	5350.000	59.63	-9.94	49.69	54.00	-4.31	AVG
3	5355.960	54.58	-9.91	44.67	54.00	-9.33	AVG



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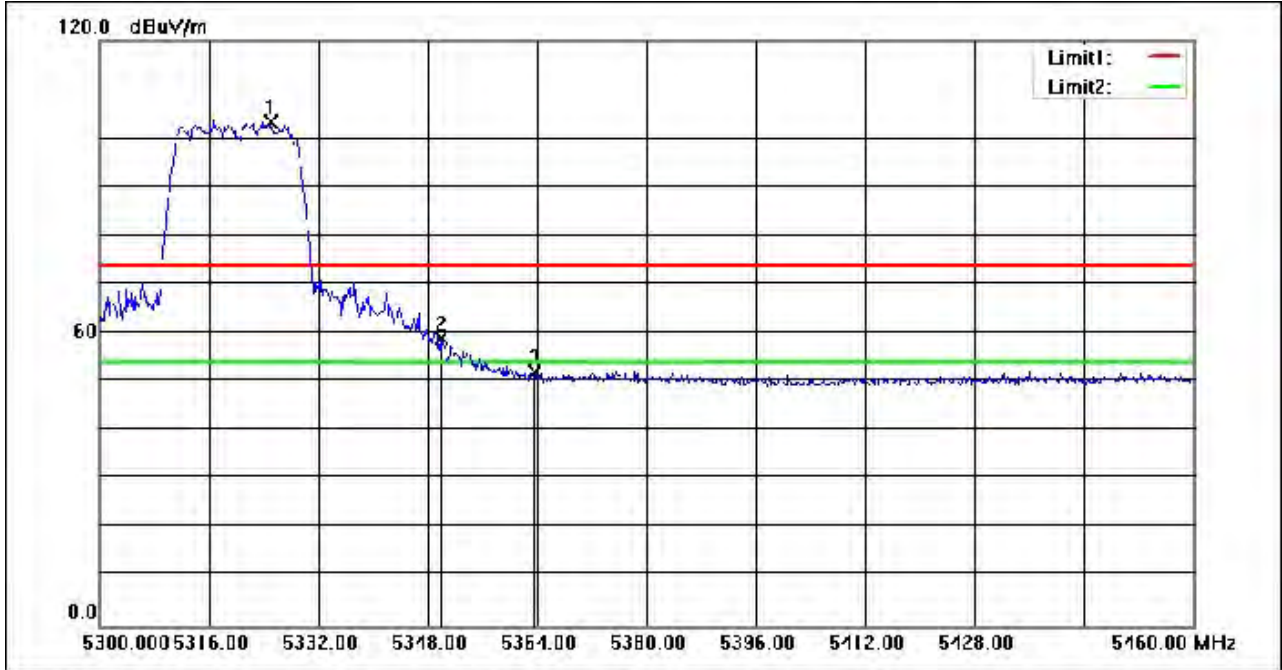
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5324.960	113.50	-10.05	103.45	74.00	29.45	peak
2	5350.000	68.96	-9.94	59.02	74.00	-14.98	peak
3	5363.680	61.84	-9.87	51.97	74.00	-22.03	peak



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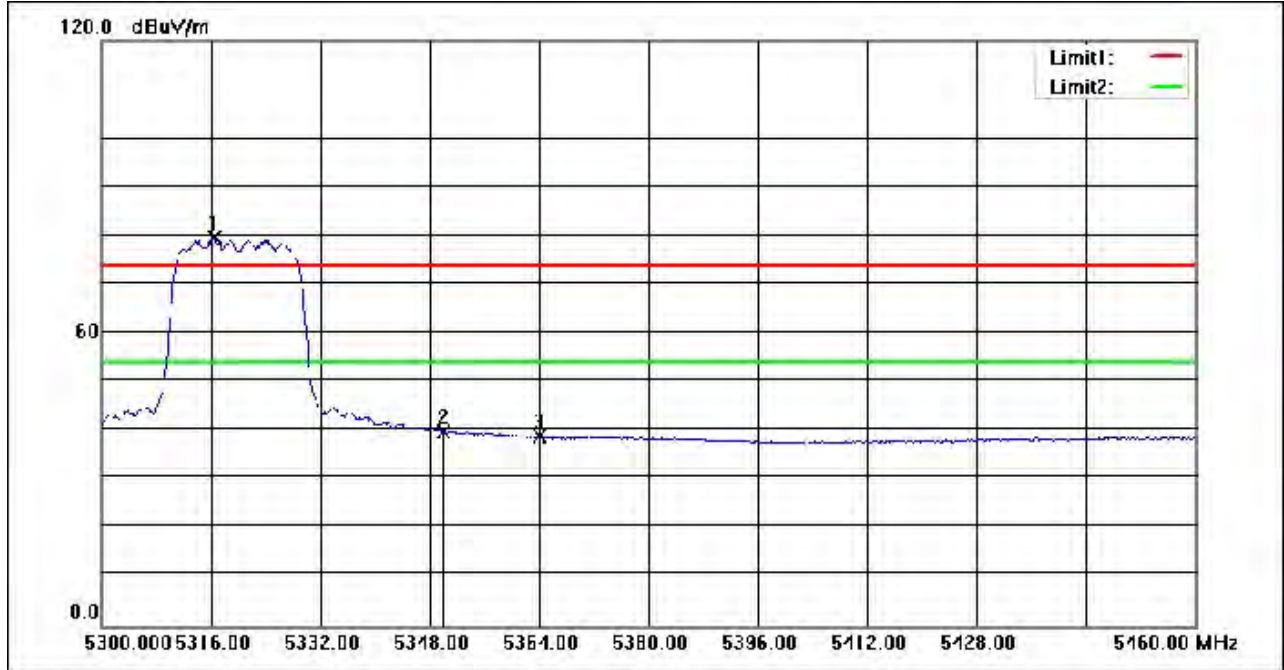
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5316.480	89.61	-10.09	79.52	54.00	25.52	AVG
2	5350.000	49.64	-9.94	39.70	54.00	-14.30	AVG
3	5364.160	48.62	-9.87	38.75	54.00	-15.25	AVG



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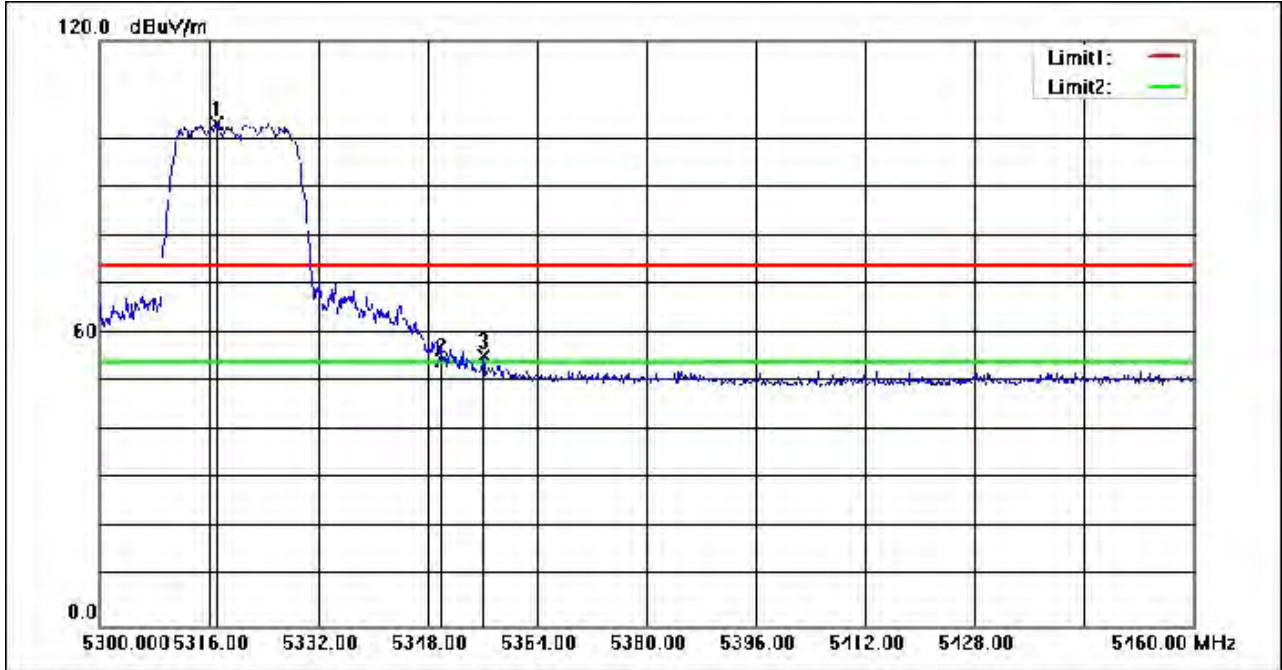
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5317.120	113.14	-10.09	103.05	74.00	29.05	peak
2	5350.000	64.39	-9.94	54.45	74.00	-19.55	peak
3	5356.160	65.39	-9.91	55.48	74.00	-18.52	peak



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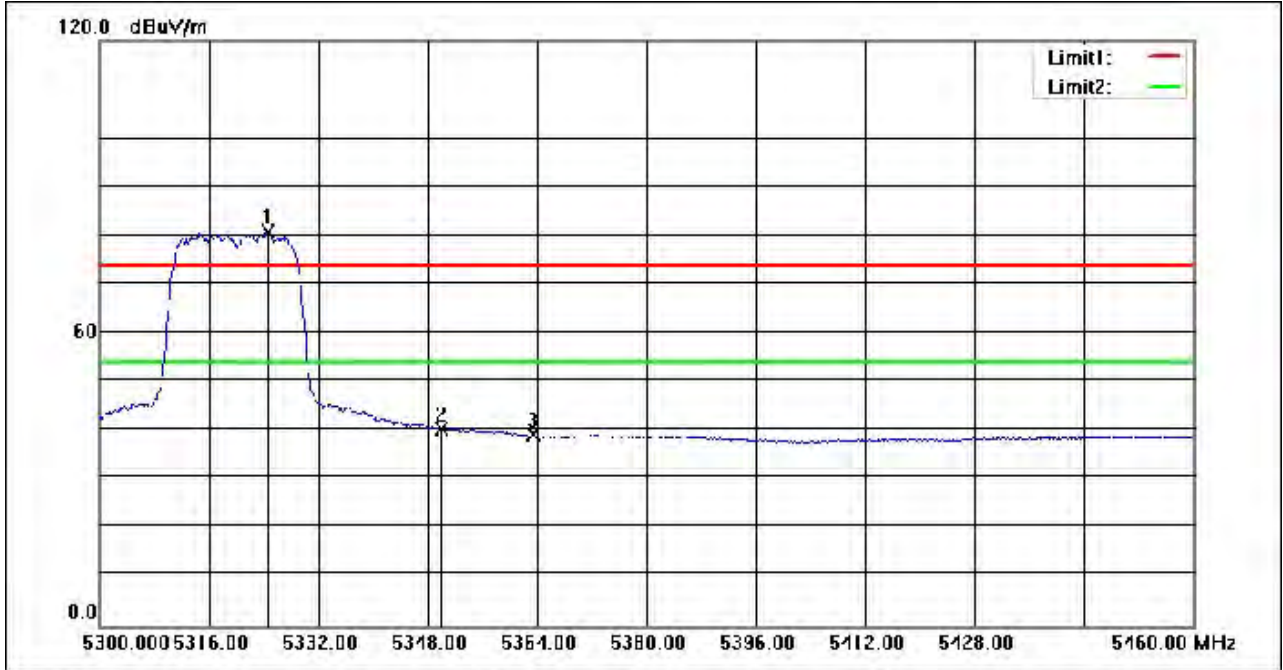
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5324.640	90.81	-10.05	80.76	54.00	26.76	AVG
2	5350.000	50.25	-9.94	40.31	54.00	-13.69	AVG
3	5363.360	48.95	-9.87	39.08	54.00	-14.92	AVG



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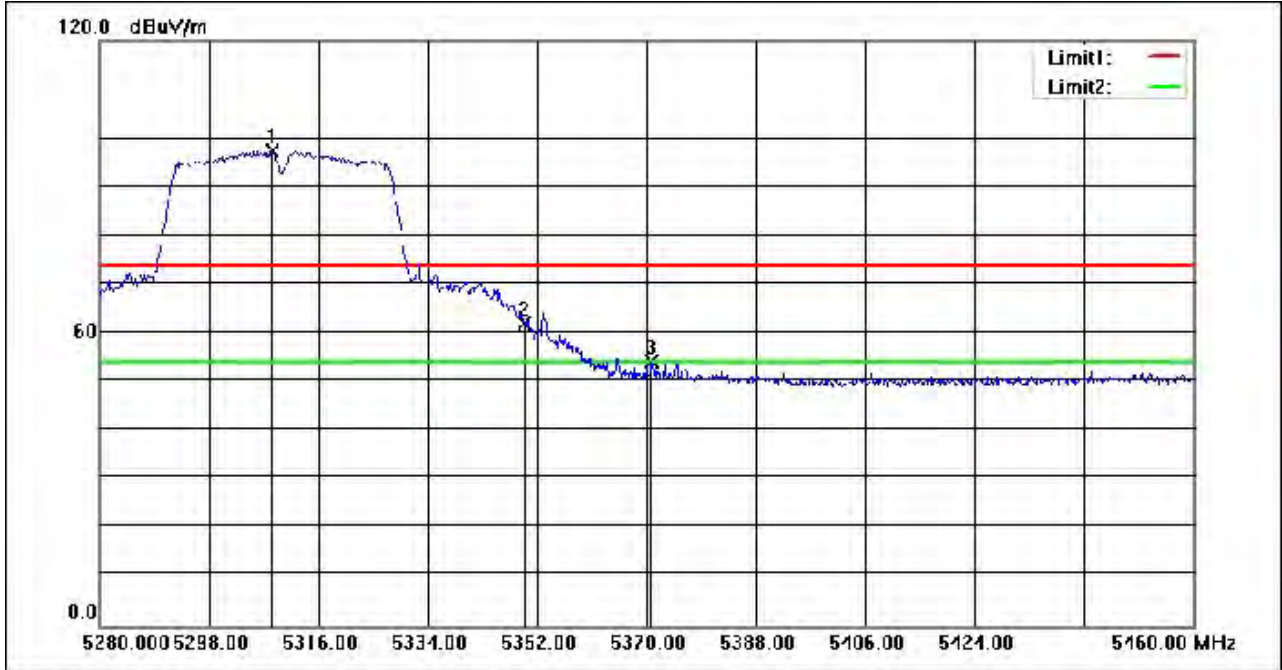
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.440	107.46	-10.13	97.33	74.00	23.33	peak
2	5350.000	71.94	-9.94	62.00	74.00	-12.00	peak
3	5370.900	63.97	-9.84	54.13	74.00	-19.87	peak



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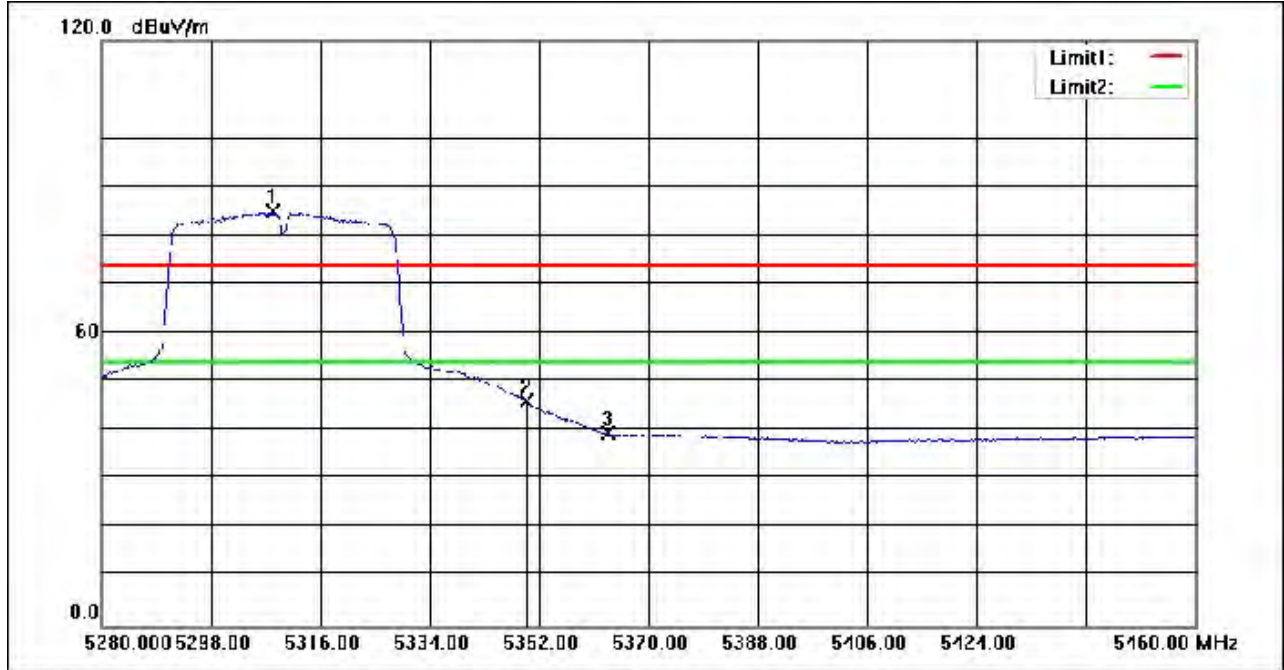
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5308.260	95.24	-10.13	85.11	54.00	31.11	AVG
2	5350.000	55.98	-9.94	46.04	54.00	-7.96	AVG
3	5363.340	49.43	-9.87	39.56	54.00	-14.44	AVG



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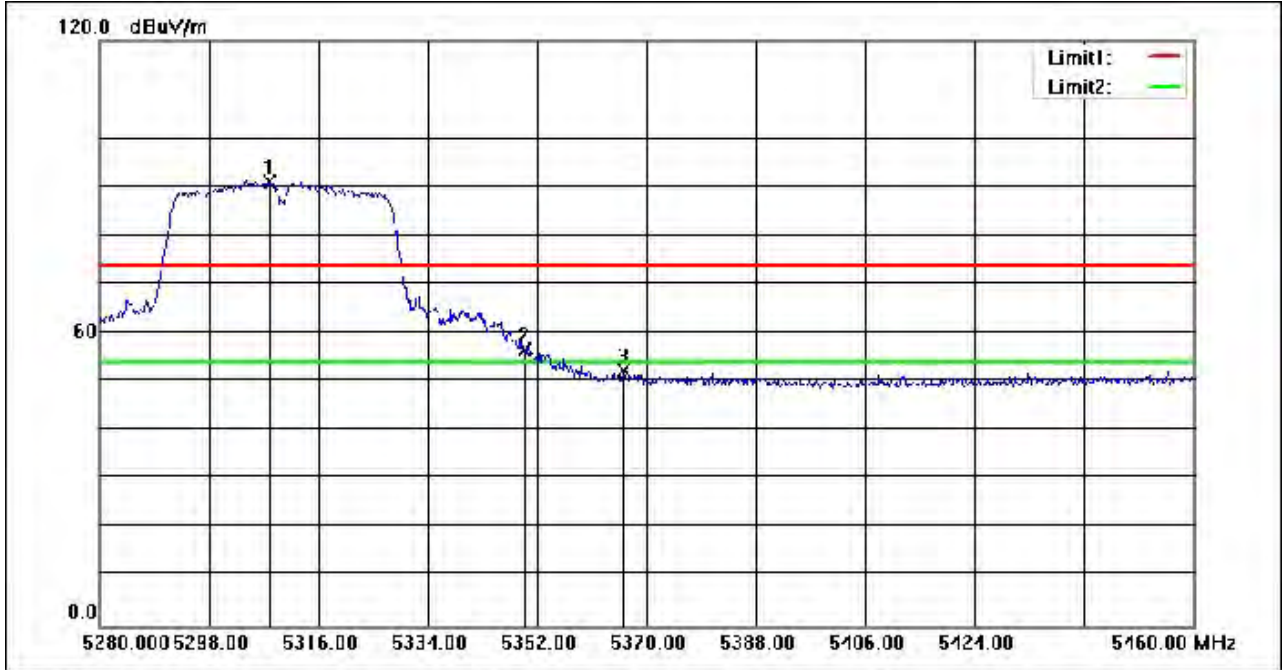
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5307.900	101.26	-10.14	91.12	74.00	17.12	peak
2	5350.000	66.55	-9.94	56.61	74.00	-17.39	peak
3	5366.220	62.17	-9.86	52.31	74.00	-21.69	peak



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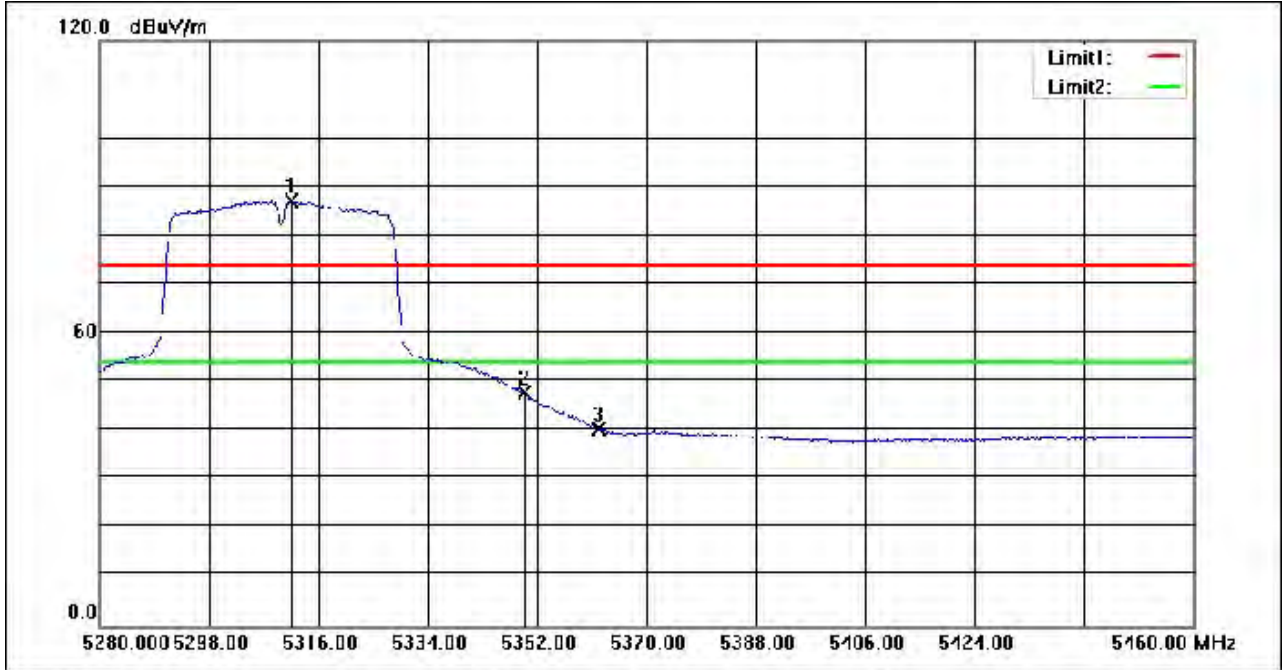
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5311.500	97.34	-10.12	87.22	54.00	33.22	AVG
2	5350.000	57.87	-9.94	47.93	54.00	-6.07	AVG
3	5362.080	50.20	-9.88	40.32	54.00	-13.68	AVG



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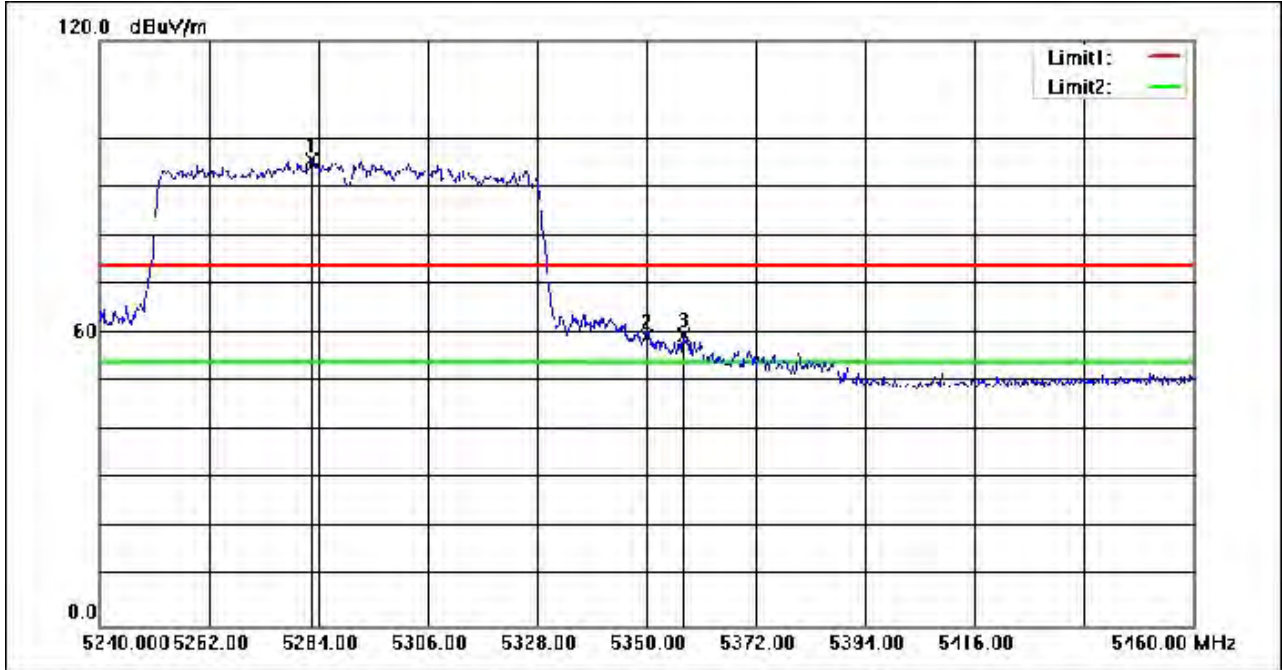
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5282.680	105.86	-10.26	95.60	74.00	21.60	peak
2	5350.000	69.24	-9.94	59.30	74.00	-14.70	peak
3	5357.480	69.46	-9.90	59.56	74.00	-14.44	peak



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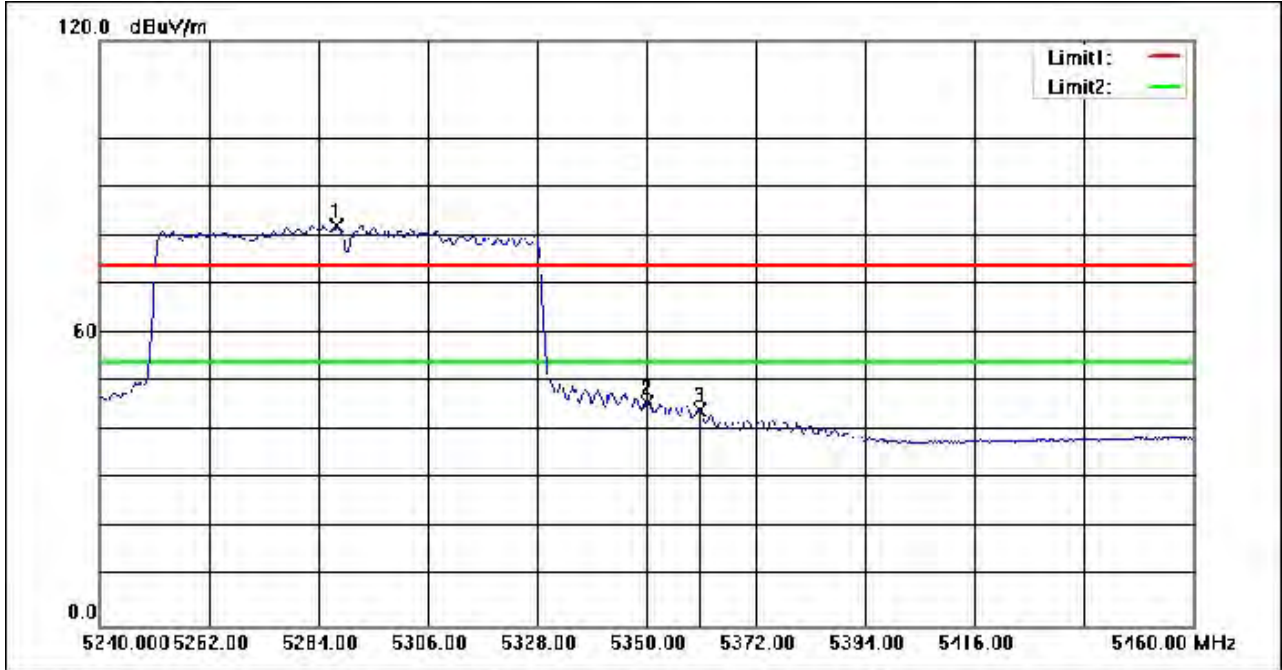
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5287.740	92.44	-10.24	82.20	54.00	28.20	AVG
2	5350.000	55.63	-9.94	45.69	54.00	-8.31	AVG
3	5360.560	54.17	-9.89	44.28	54.00	-9.72	AVG



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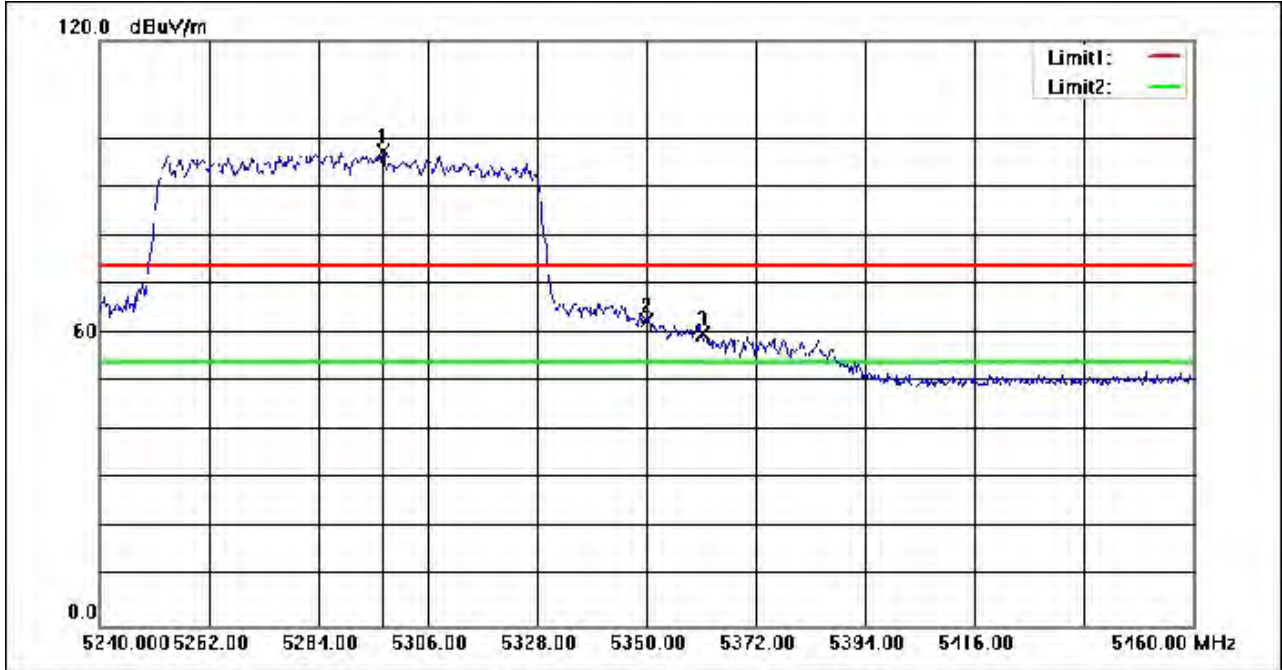
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Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5296.980	107.53	-10.19	97.34	74.00	23.34	peak
2	5350.000	72.53	-9.94	62.59	74.00	-11.41	peak
3	5361.220	69.72	-9.89	59.83	74.00	-14.17	peak



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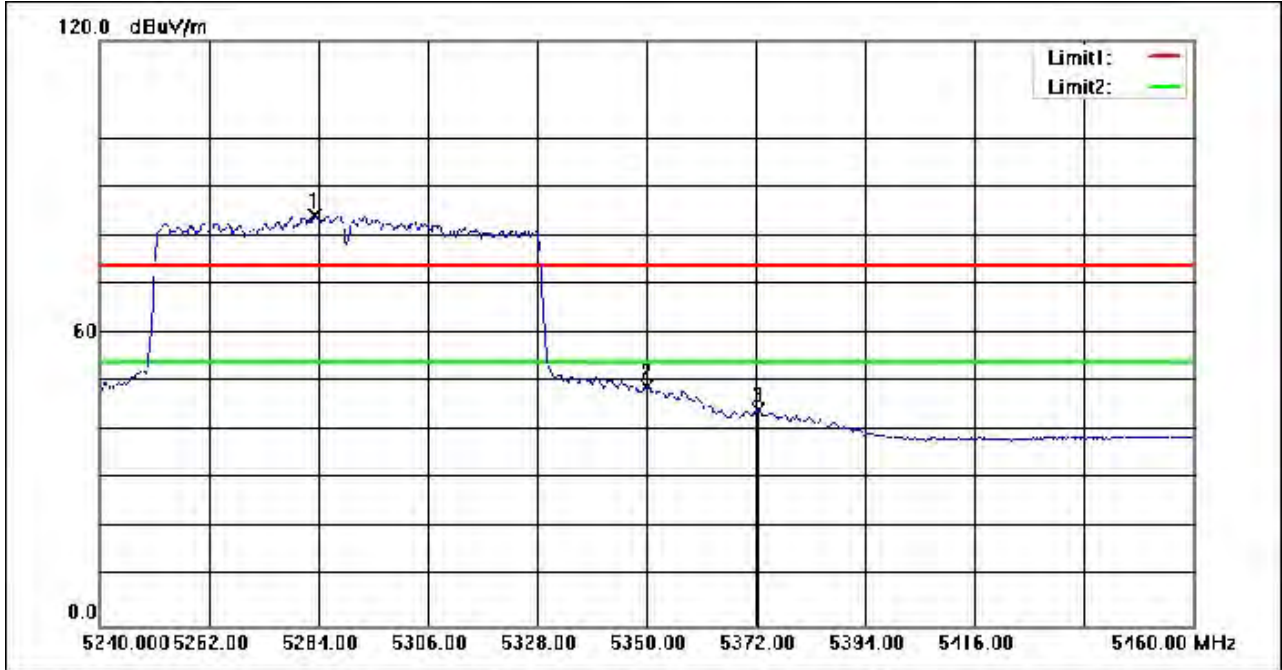
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5283.340	94.48	-10.26	84.22	54.00	30.22	AVG
2	5350.000	59.00	-9.94	49.06	54.00	-4.94	AVG
3	5372.440	54.08	-9.83	44.25	54.00	-9.75	AVG



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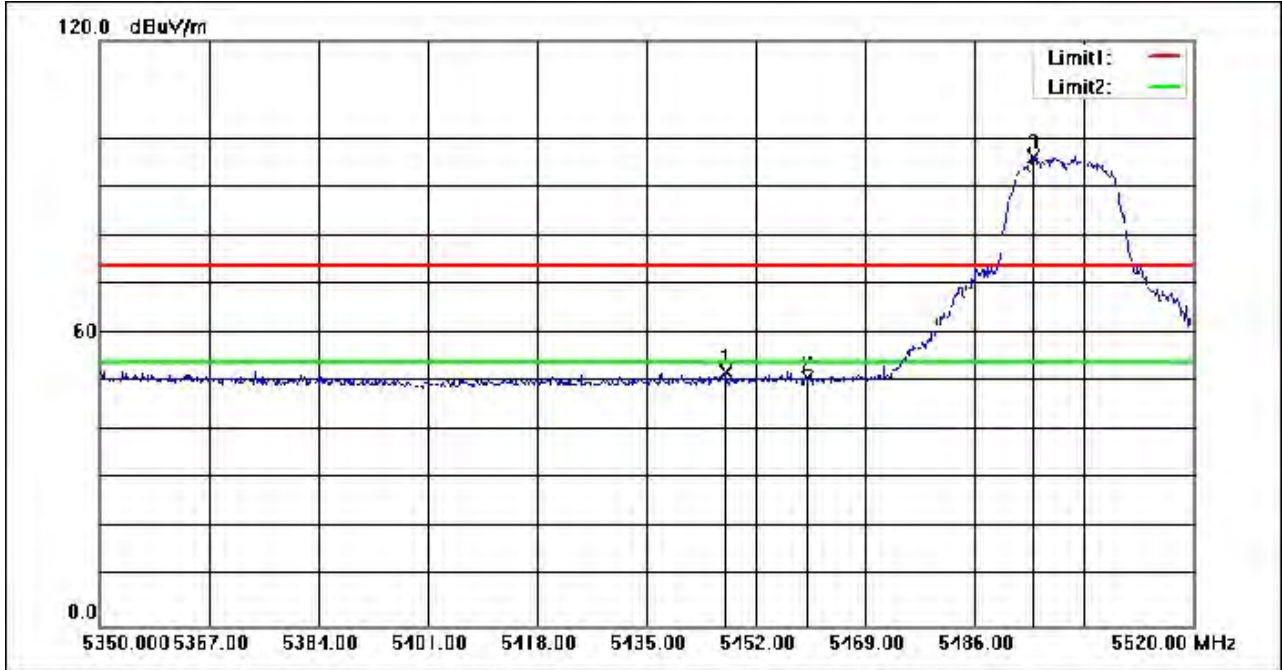
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.240	61.64	-9.62	52.02	74.00	-21.98	peak
2	5460.000	60.39	-9.59	50.80	74.00	-23.20	peak
3	5495.180	105.65	-9.52	96.13	74.00	22.13	peak



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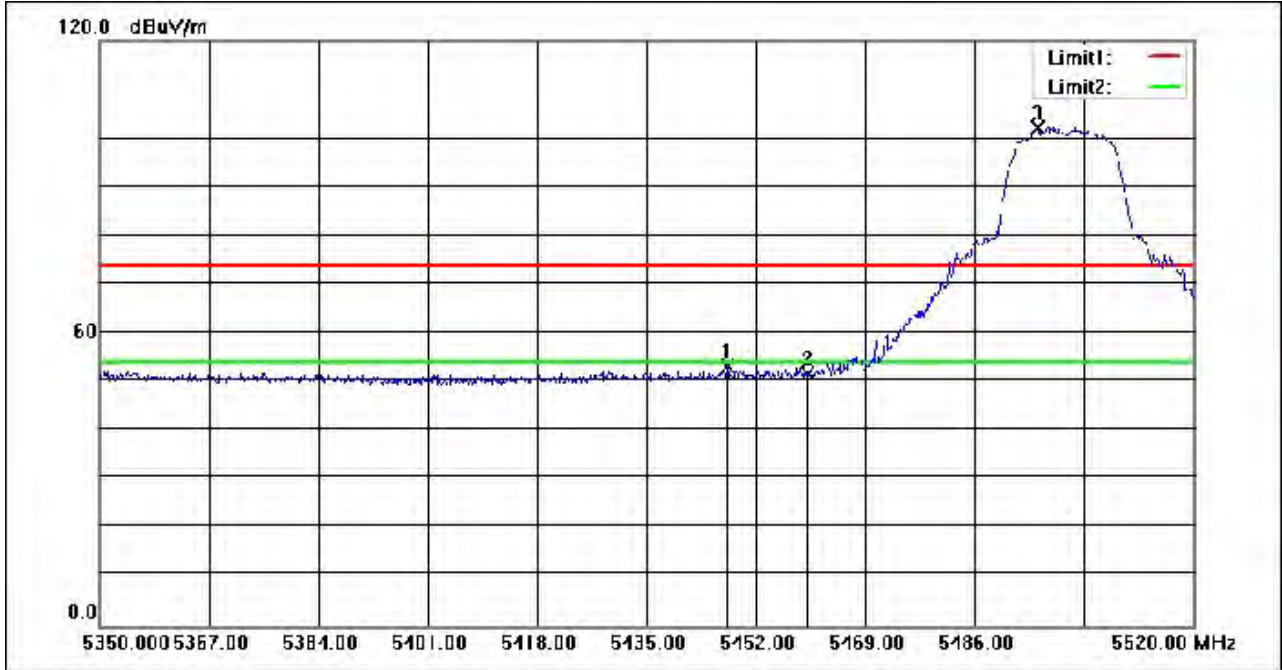
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5447.580	62.86	-9.62	53.24	74.00	-20.76	peak
2	5460.000	61.39	-9.59	51.80	74.00	-22.20	peak
3	5495.860	111.78	-9.52	102.26	74.00	28.26	peak



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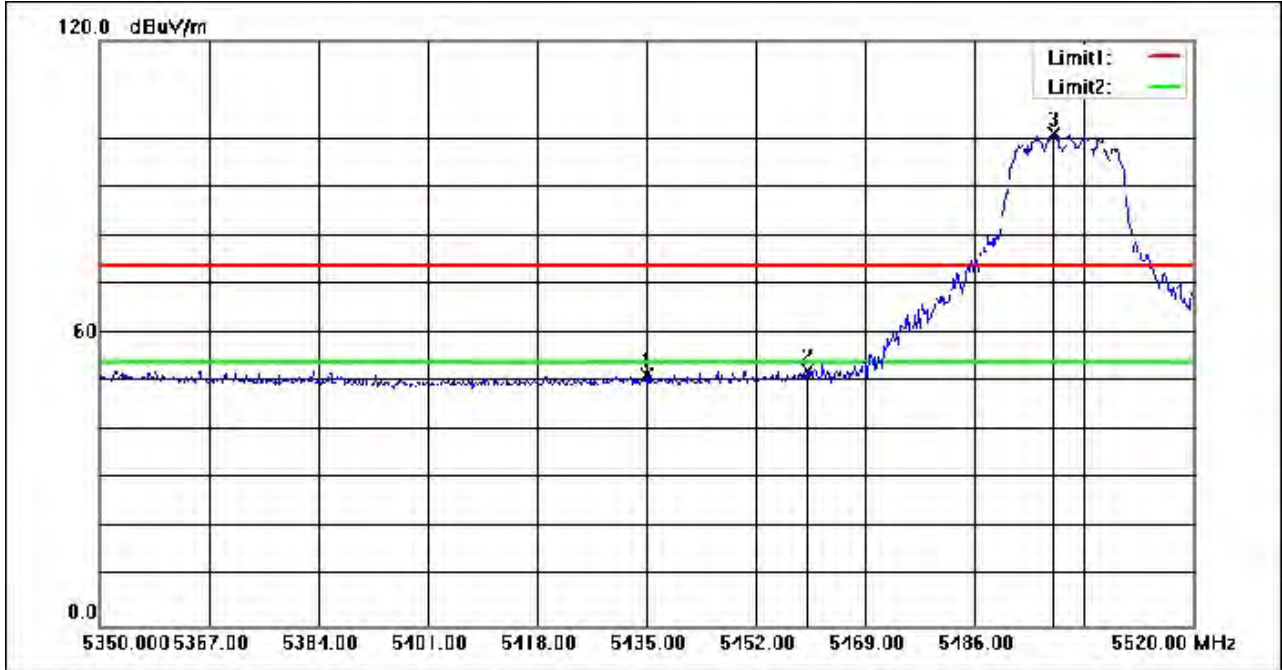
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5435.170	61.22	-9.63	51.59	74.00	-22.41	peak
2	5460.000	61.86	-9.59	52.27	74.00	-21.73	peak
3	5498.240	110.39	-9.51	100.88	74.00	26.88	peak



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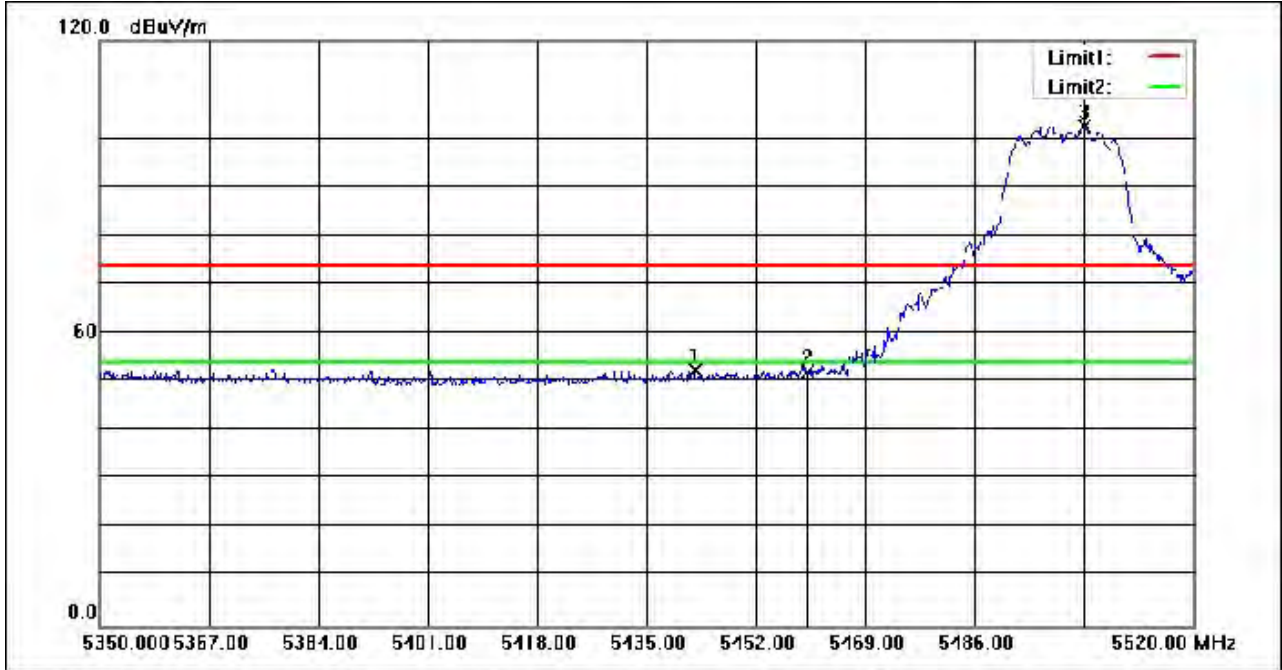
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5442.480	61.91	-9.62	52.29	74.00	-21.71	peak
2	5460.000	61.77	-9.59	52.18	74.00	-21.82	peak
3	5503.000	112.06	-9.51	102.55	74.00	28.55	peak



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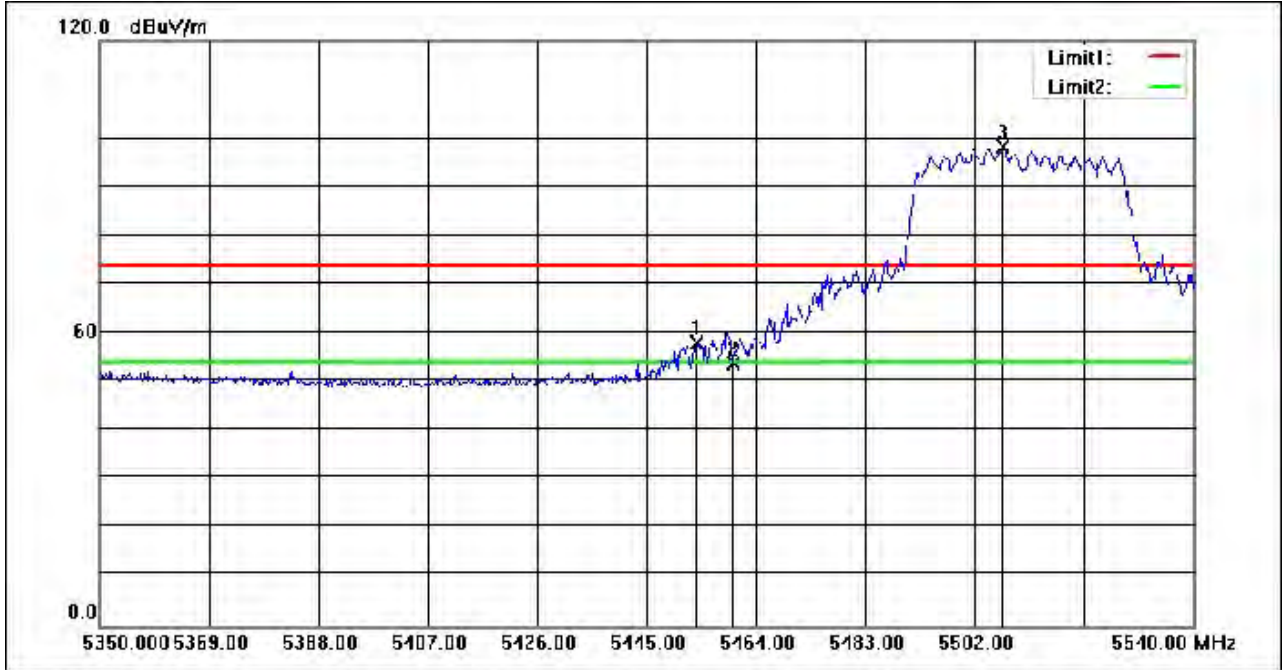
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5453.740	67.61	-9.60	58.01	74.00	-15.99	peak
2	5460.000	63.48	-9.59	53.89	74.00	-20.11	peak
3	5506.940	107.76	-9.50	98.26	74.00	24.26	peak



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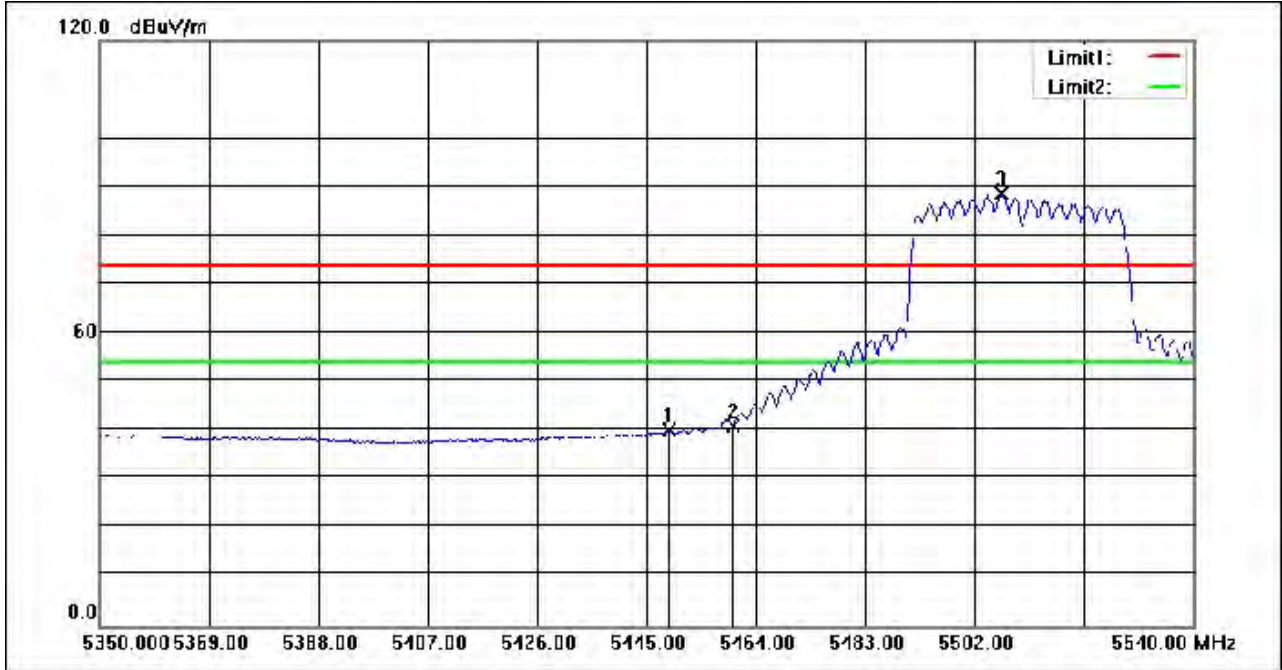
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5448.990	49.59	-9.61	39.98	54.00	-14.02	AVG
2	5460.000	50.60	-9.59	41.01	54.00	-12.99	AVG
3	5506.750	98.07	-9.51	88.56	54.00	34.56	AVG



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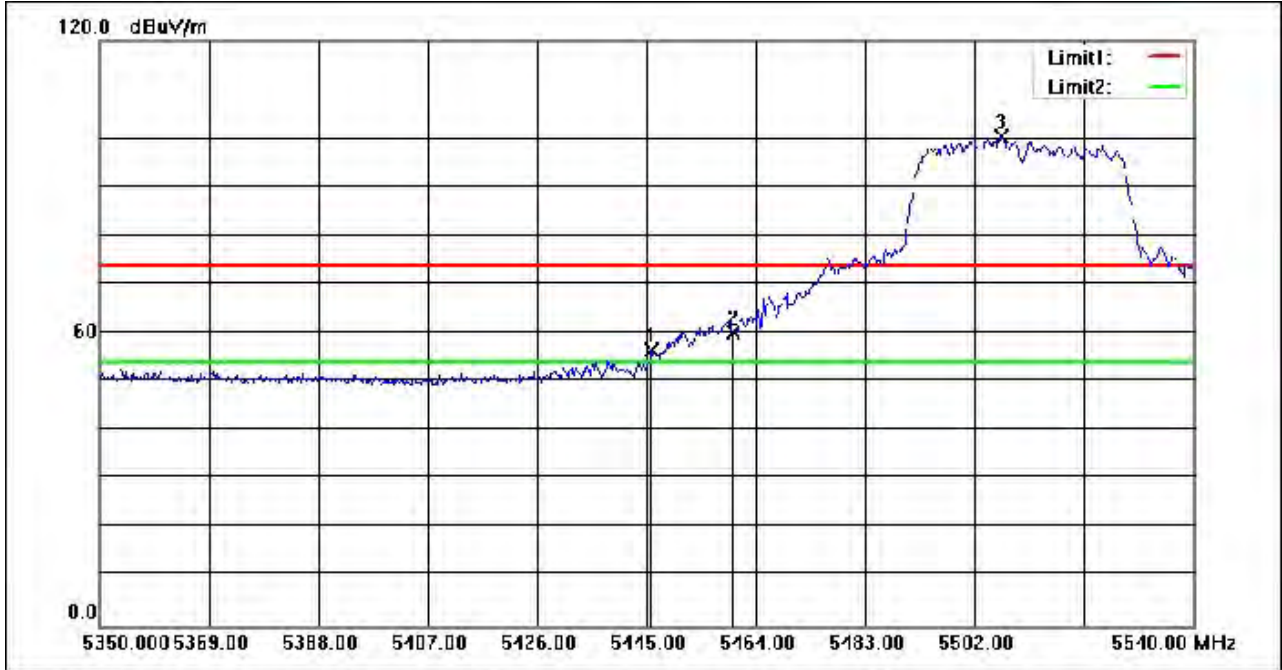
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.950	66.14	-9.62	56.52	74.00	-17.48	peak
2	5460.000	69.80	-9.59	60.21	74.00	-13.79	peak
3	5506.560	109.87	-9.51	100.36	74.00	26.36	peak



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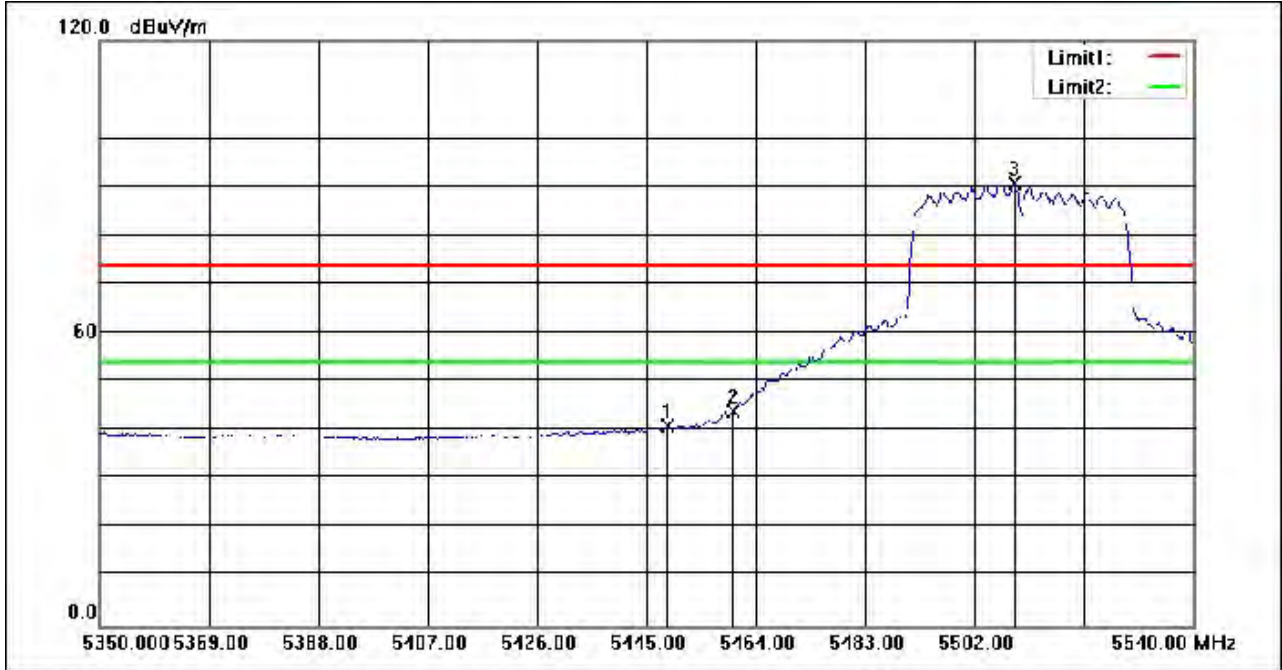
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5448.610	50.49	-9.61	40.88	54.00	-13.12	AVG
2	5460.000	53.53	-9.59	43.94	54.00	-10.06	AVG
3	5508.840	100.12	-9.50	90.62	54.00	36.62	AVG



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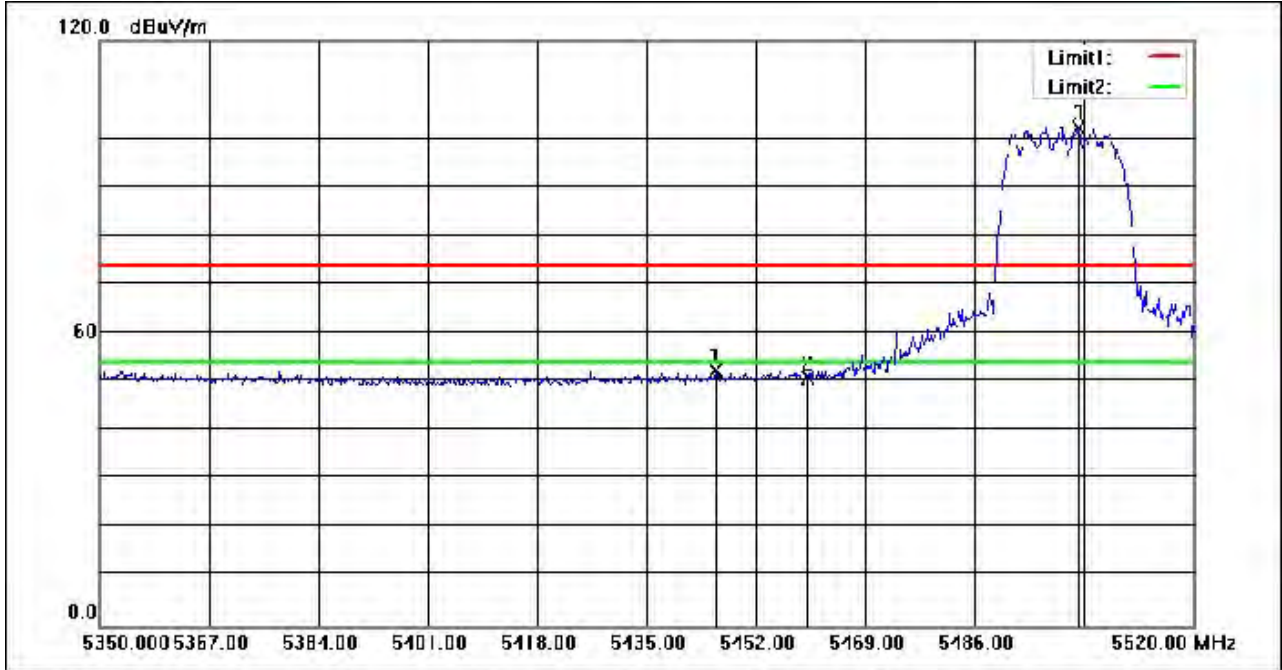
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.710	61.93	-9.62	52.31	74.00	-21.69	peak
2	5460.000	60.40	-9.59	50.81	74.00	-23.19	peak
3	5502.150	111.80	-9.52	102.28	74.00	28.28	peak



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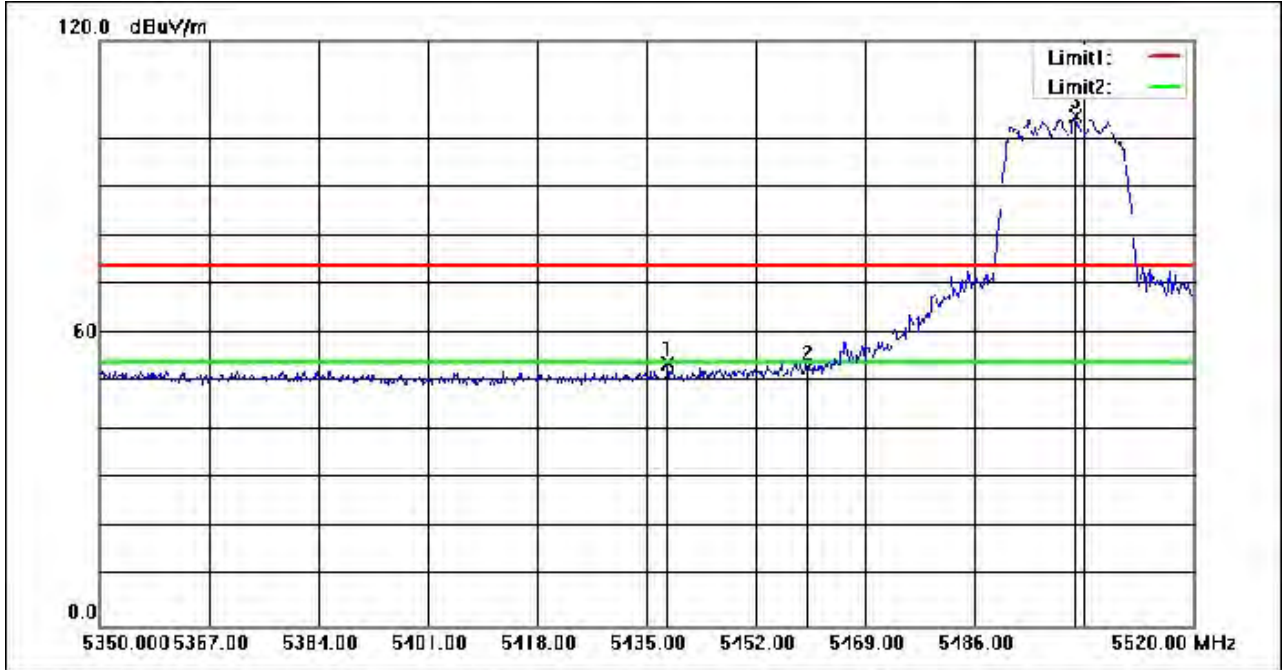
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5438.230	63.51	-9.63	53.88	74.00	-20.12	peak
2	5460.000	62.62	-9.59	53.03	74.00	-20.97	peak
3	5501.810	114.01	-9.52	104.49	74.00	30.49	peak



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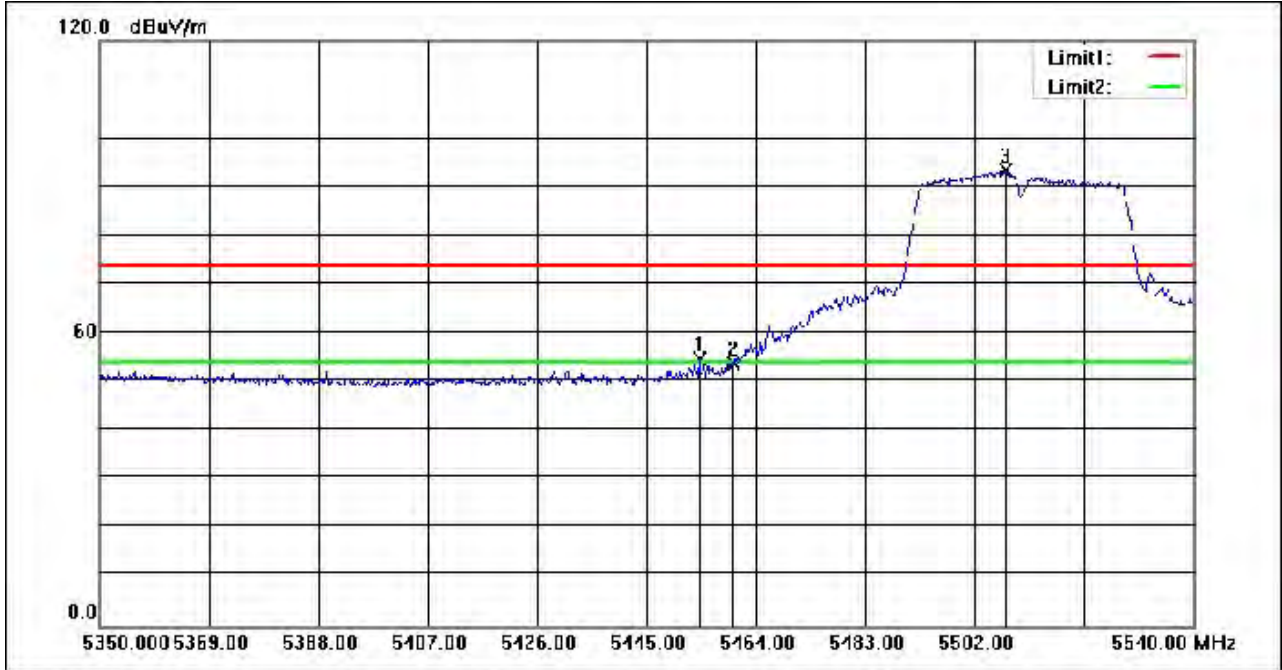
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5454.120	64.29	-9.60	54.69	74.00	-19.31	peak
2	5460.000	63.31	-9.59	53.72	74.00	-20.28	peak
3	5507.510	102.84	-9.50	93.34	74.00	19.34	peak



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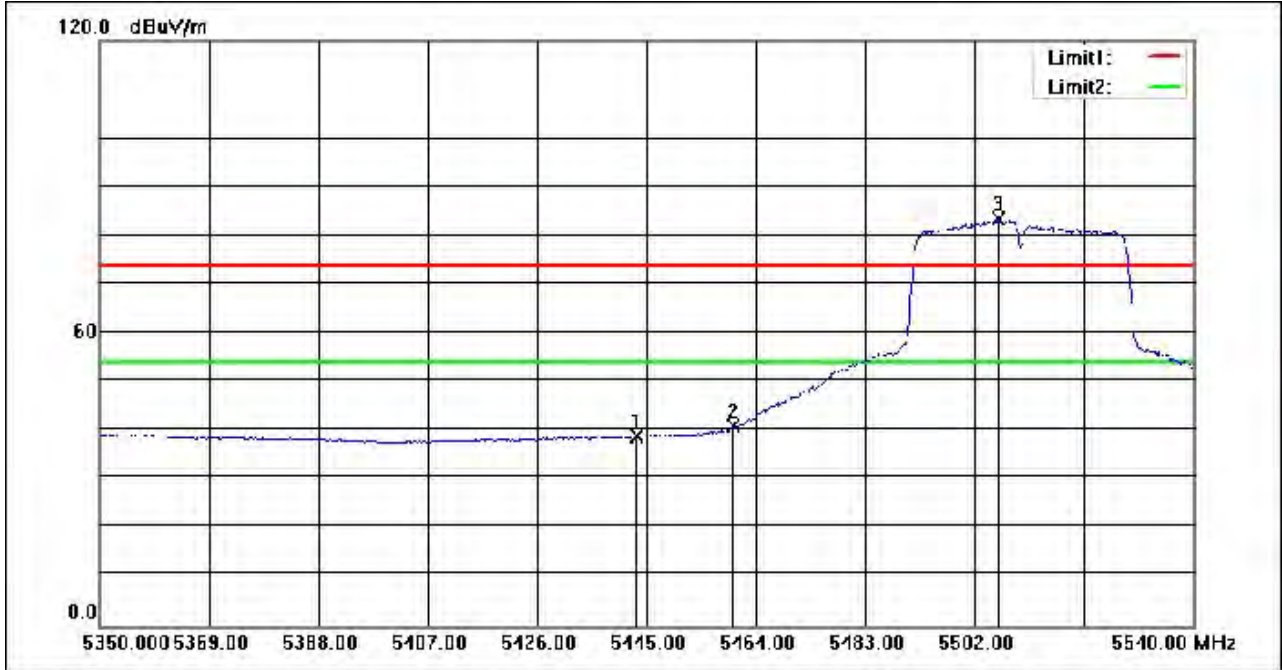
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5443.290	48.53	-9.62	38.91	54.00	-15.09	AVG
2	5460.000	50.42	-9.59	40.83	54.00	-13.17	AVG
3	5506.180	92.97	-9.51	83.46	54.00	29.46	AVG



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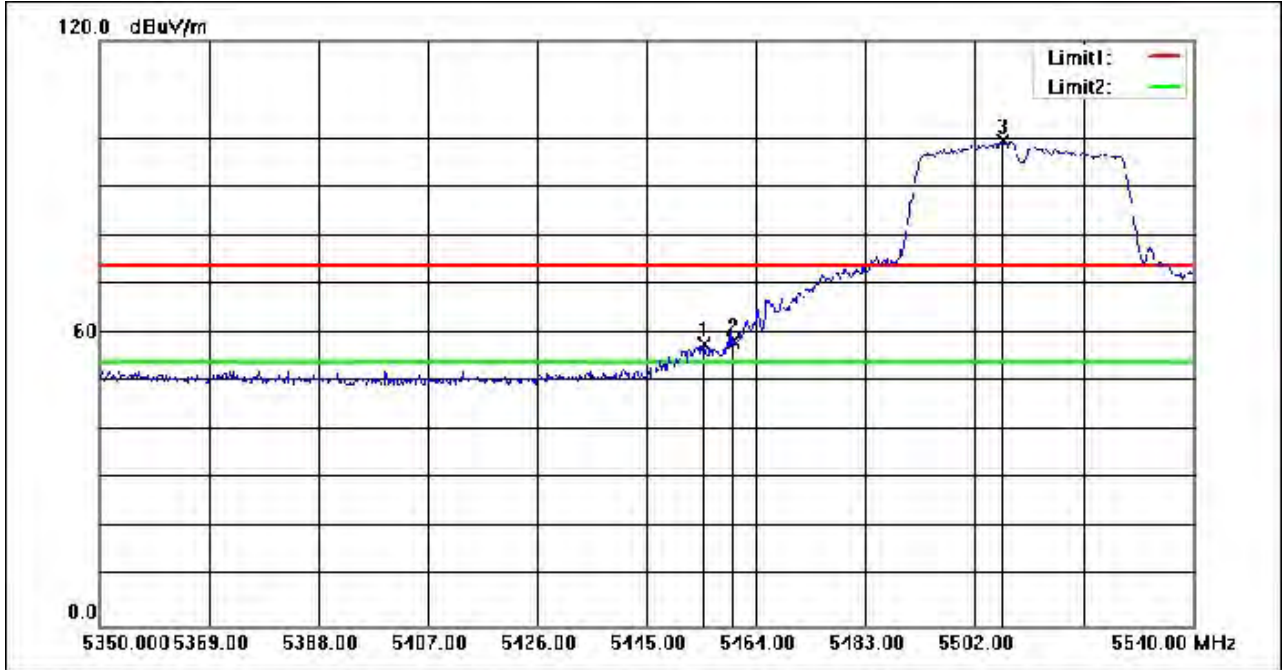
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5455.070	67.50	-9.60	57.90	74.00	-16.10	peak
2	5460.000	67.89	-9.59	58.30	74.00	-15.70	peak
3	5506.940	108.81	-9.50	99.31	74.00	25.31	peak



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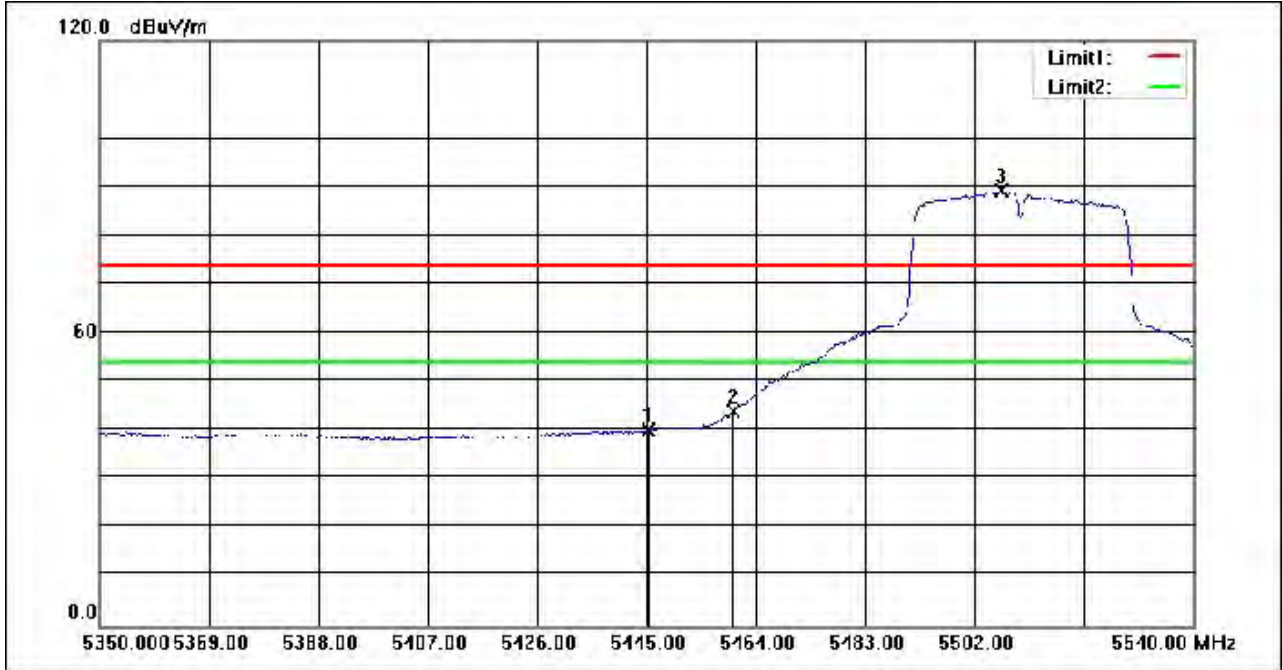
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.380	49.71	-9.62	40.09	54.00	-13.91	AVG
2	5460.000	53.55	-9.59	43.96	54.00	-10.04	AVG
3	5506.750	98.68	-9.51	89.17	54.00	35.17	AVG



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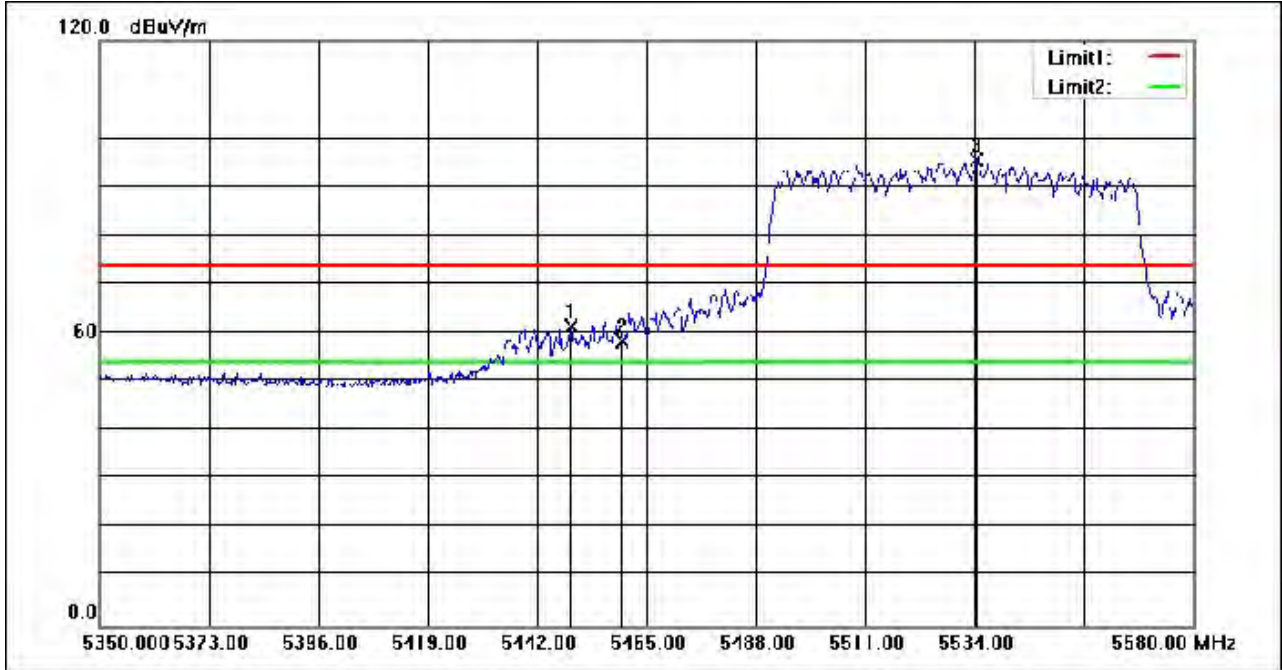
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5449.130	71.01	-9.61	61.40	74.00	-12.60	peak
2	5460.000	67.85	-9.59	58.26	74.00	-15.74	peak
3	5534.460	105.10	-9.45	95.65	74.00	21.65	peak



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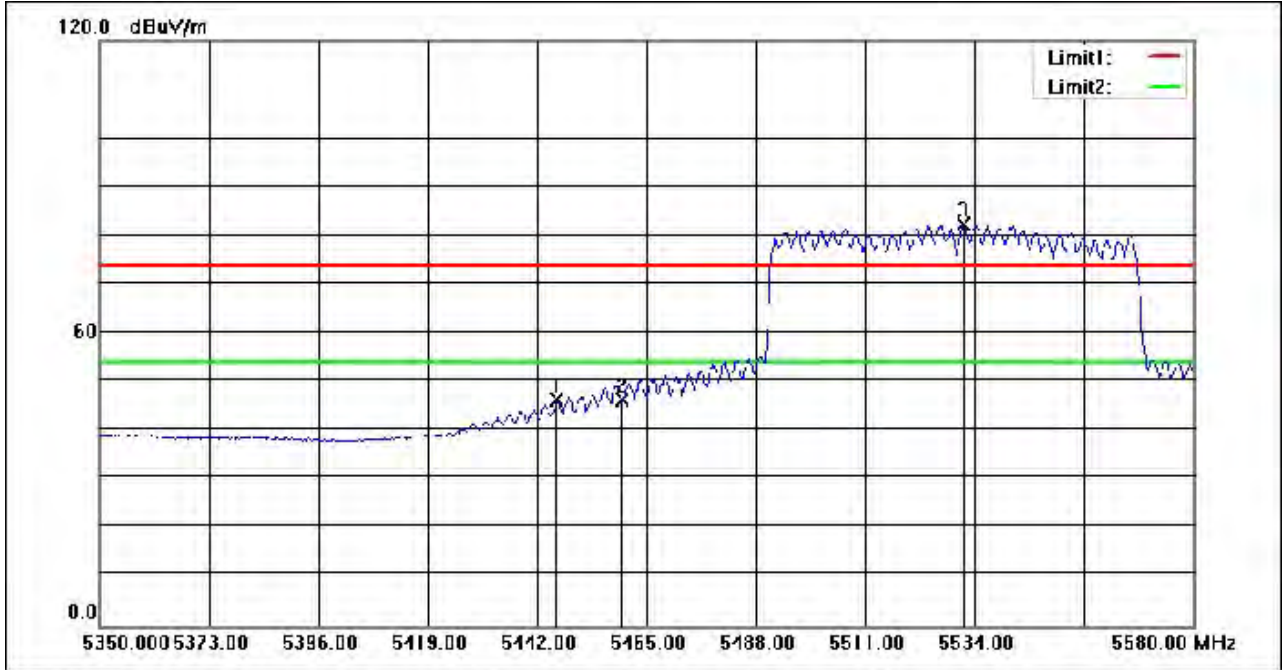
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5446.140	56.04	-9.62	46.42	54.00	-7.58	AVG
2	5460.000	55.83	-9.59	46.24	54.00	-7.76	AVG
3	5531.700	91.83	-9.46	82.37	54.00	28.37	AVG



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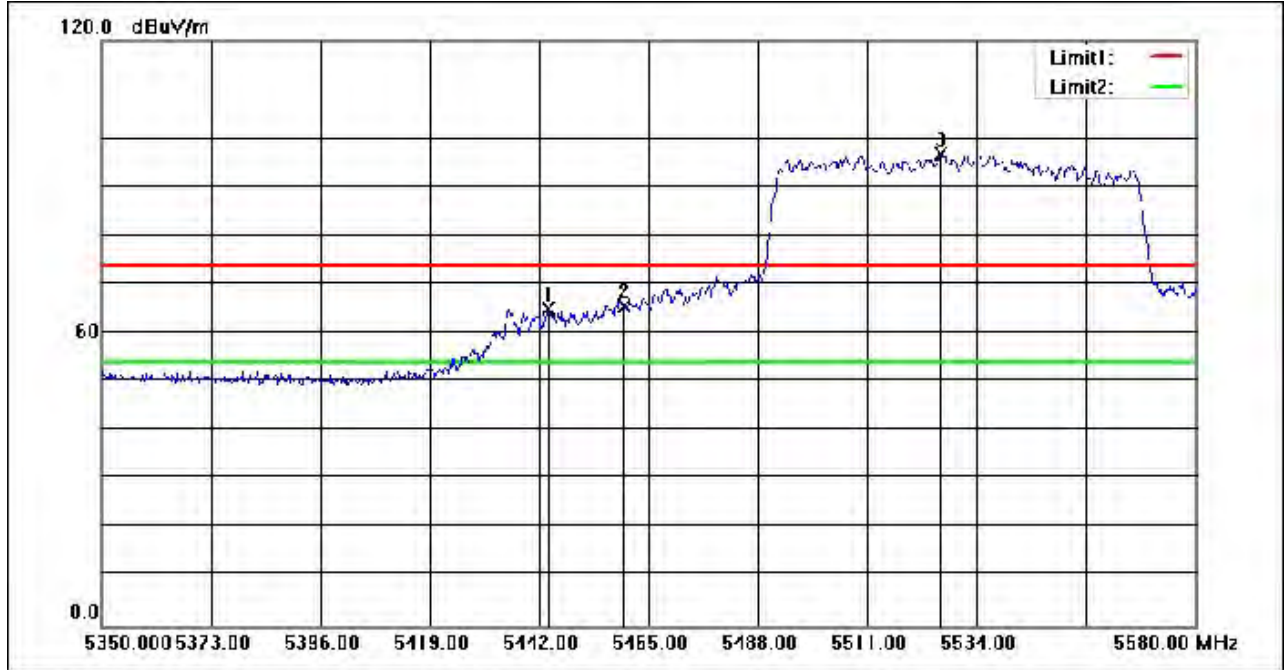
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5444.070	74.70	-9.62	65.08	74.00	-8.92	peak
2	5460.000	75.12	-9.59	65.53	74.00	-8.47	peak
3	5526.410	106.13	-9.46	96.67	74.00	22.67	peak



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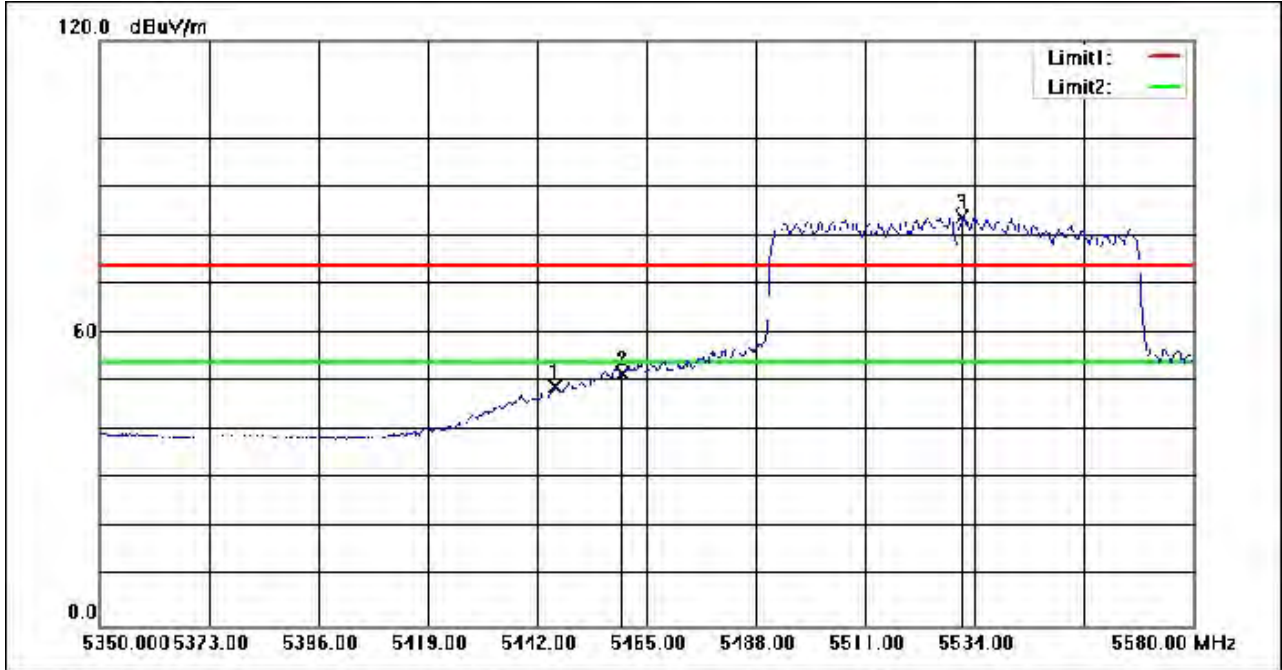
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5445.910	58.80	-9.62	49.18	54.00	-4.82	AVG
2	5460.000	61.29	-9.59	51.70	54.00	-2.30	AVG
3	5531.470	93.29	-9.46	83.83	54.00	29.83	AVG



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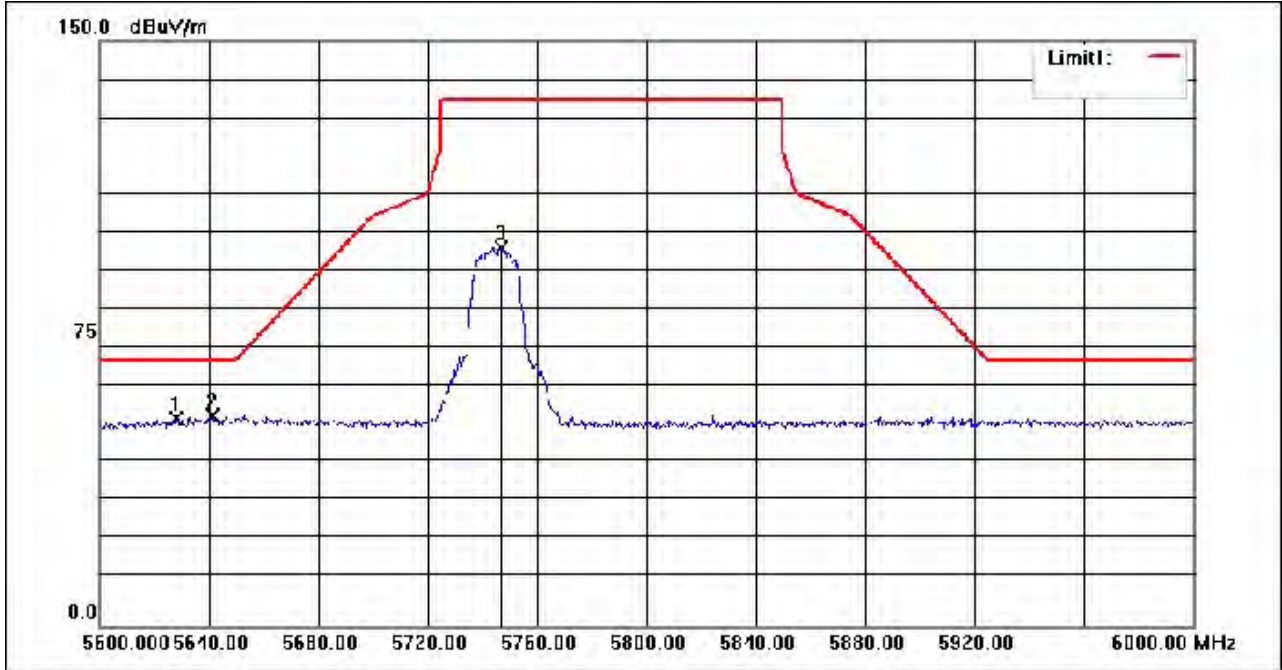
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5628.000	62.27	-9.24	53.03	68.20	-15.17	peak
2	5641.200	62.90	-9.20	53.70	68.20	-14.50	peak
3	5746.800	105.87	-8.86	97.01	135.00	-37.99	peak



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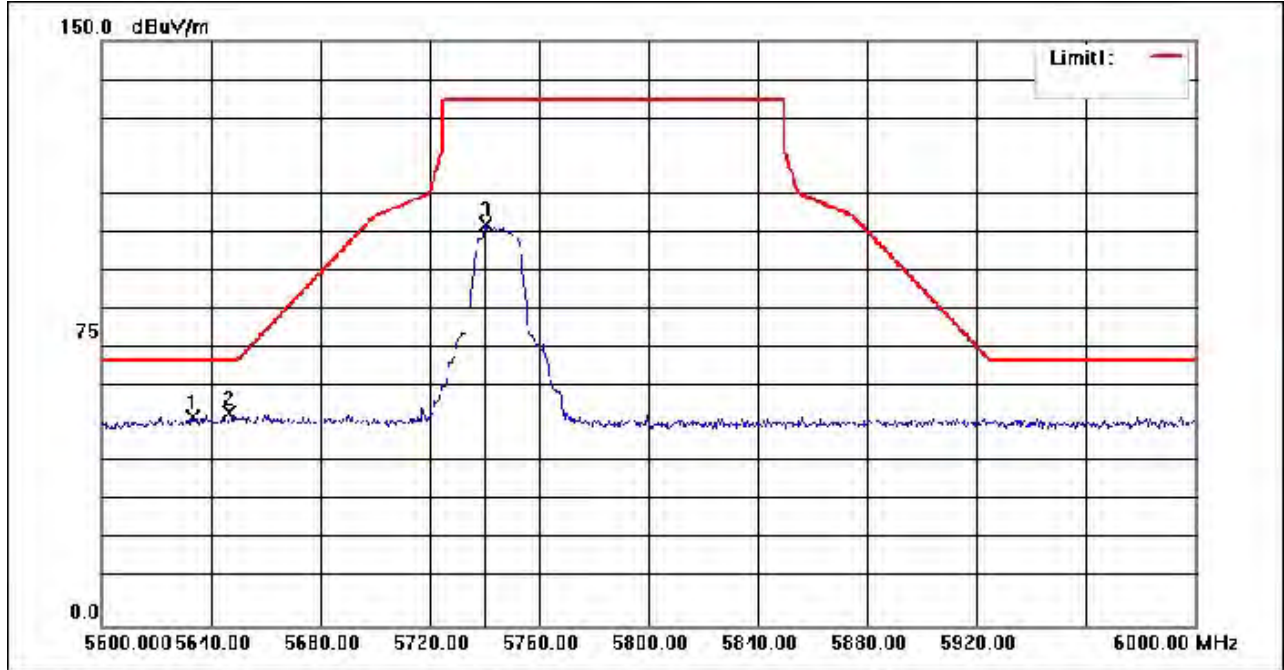
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5633.200	62.78	-9.23	53.55	68.20	-14.65	peak
2	5646.800	63.91	-9.18	54.73	68.20	-13.47	peak
3	5740.400	111.65	-8.88	102.77	135.00	-32.23	peak



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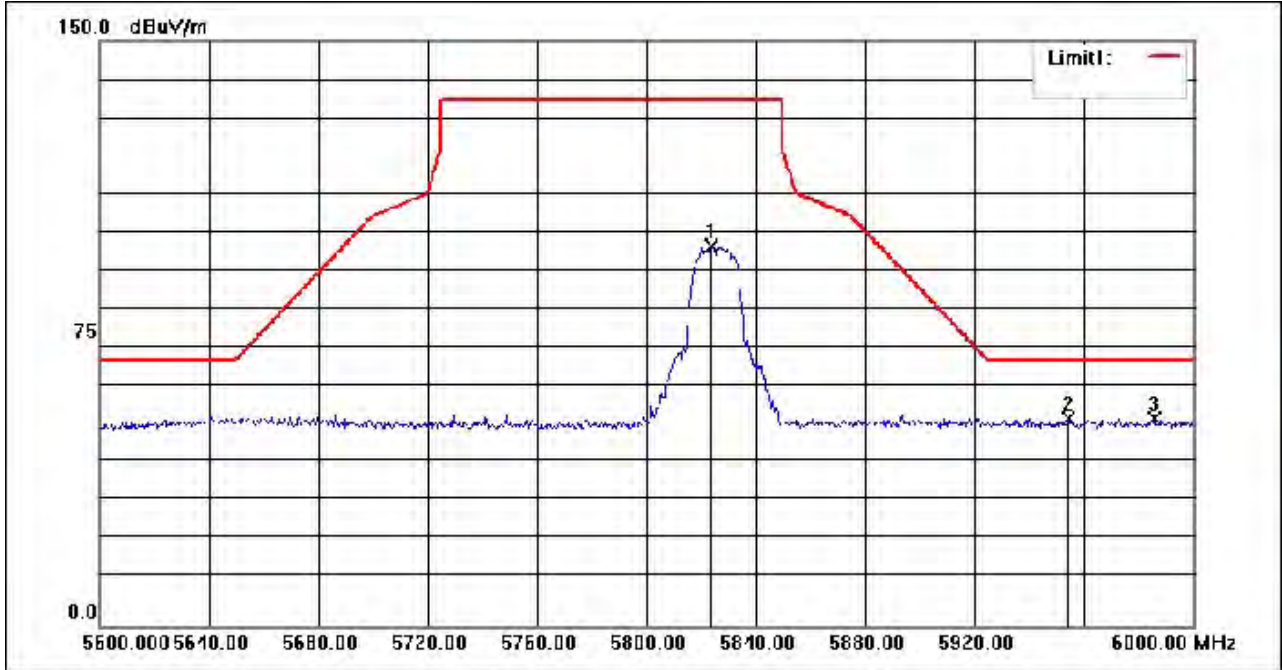
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5823.600	106.04	-8.58	97.46	135.00	-37.54	peak
2	5954.400	61.22	-8.01	53.21	68.20	-14.99	peak
3	5986.000	61.04	-7.86	53.18	68.20	-15.02	peak



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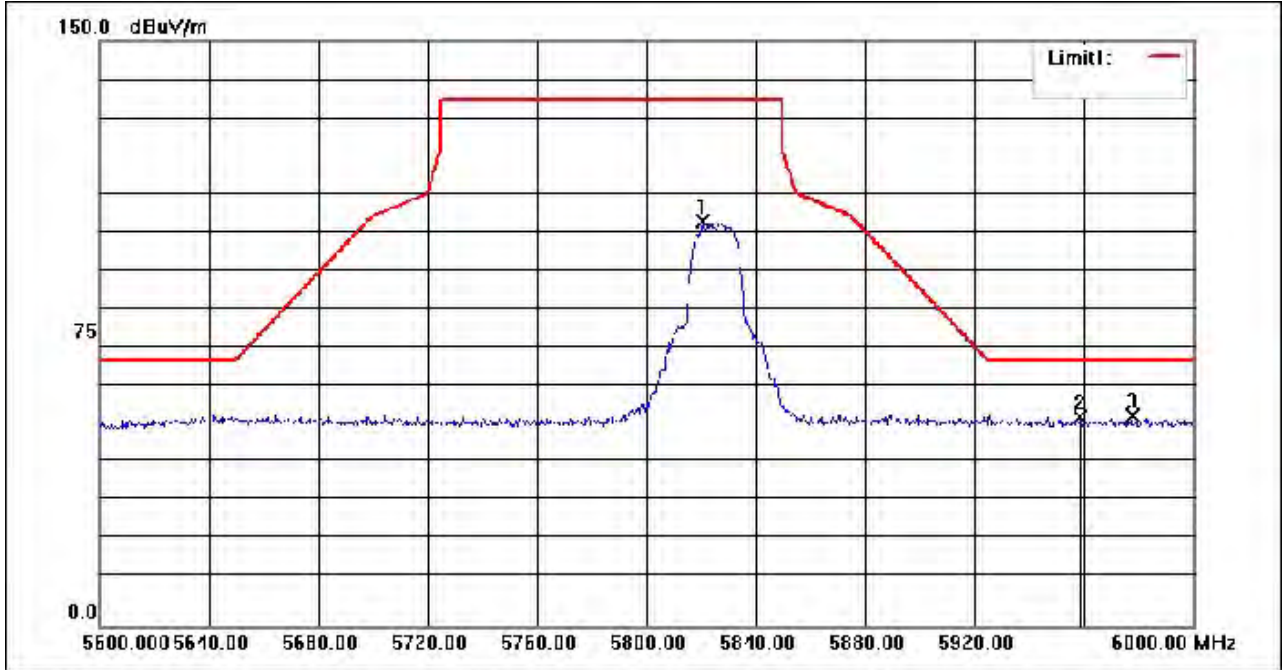
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5820.400	112.27	-8.60	103.67	135.00	-31.33	peak
2	5958.800	61.36	-7.98	53.38	68.20	-14.82	peak
3	5977.600	61.76	-7.90	53.86	68.20	-14.34	peak



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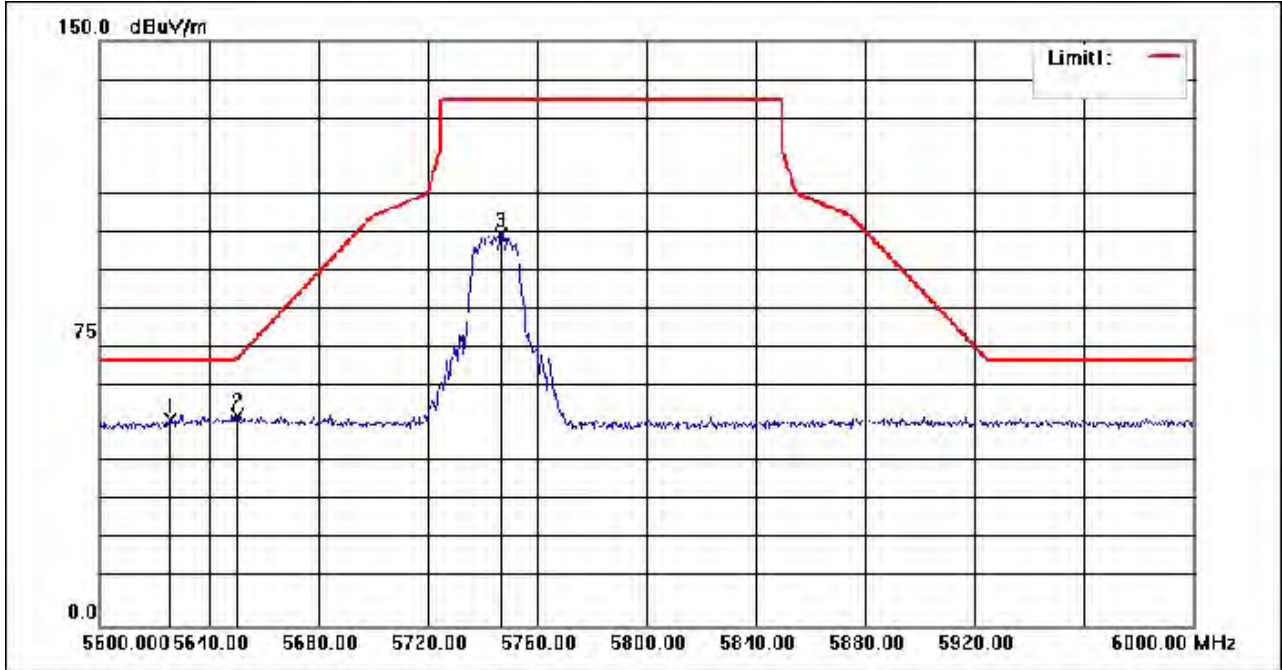
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5626.000	61.80	-9.24	52.56	68.20	-15.64	peak
2	5650.400	62.90	-9.17	53.73	68.50	-14.77	peak
3	5746.800	109.09	-8.86	100.23	135.00	-34.77	peak



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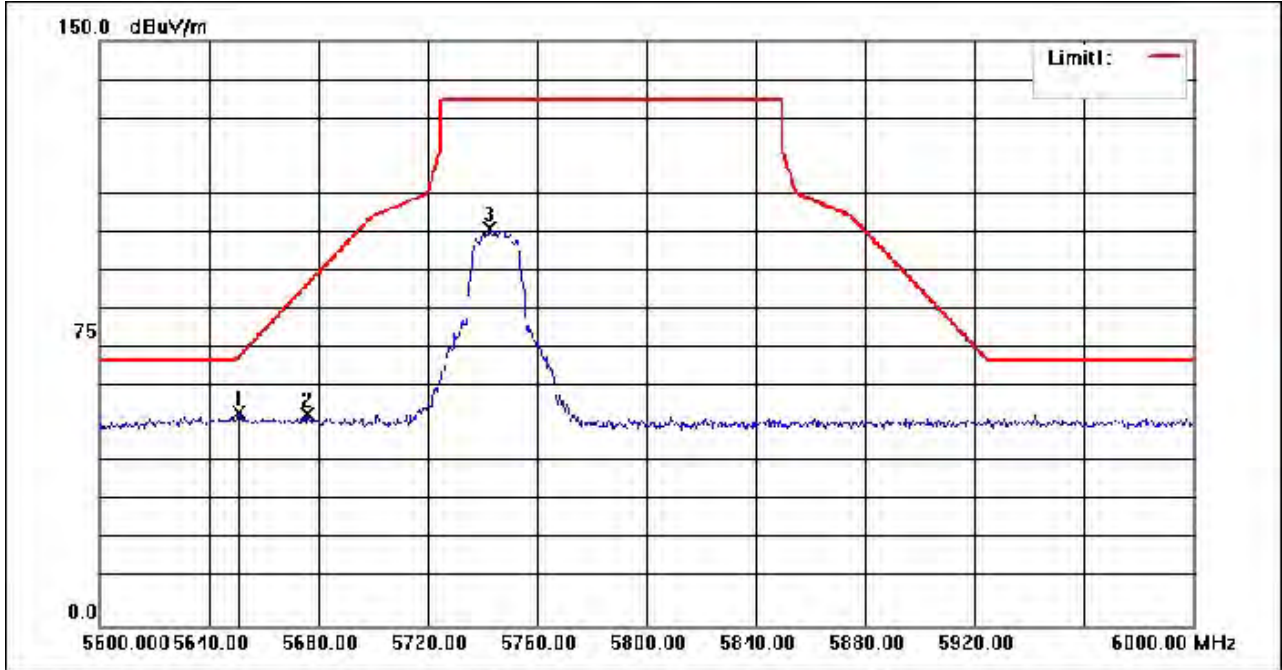
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5650.800	63.58	-9.17	54.41	68.79	-14.38	peak
2	5676.000	63.27	-9.09	54.18	87.44	-33.26	peak
3	5742.800	110.70	-8.87	101.83	135.00	-33.17	peak



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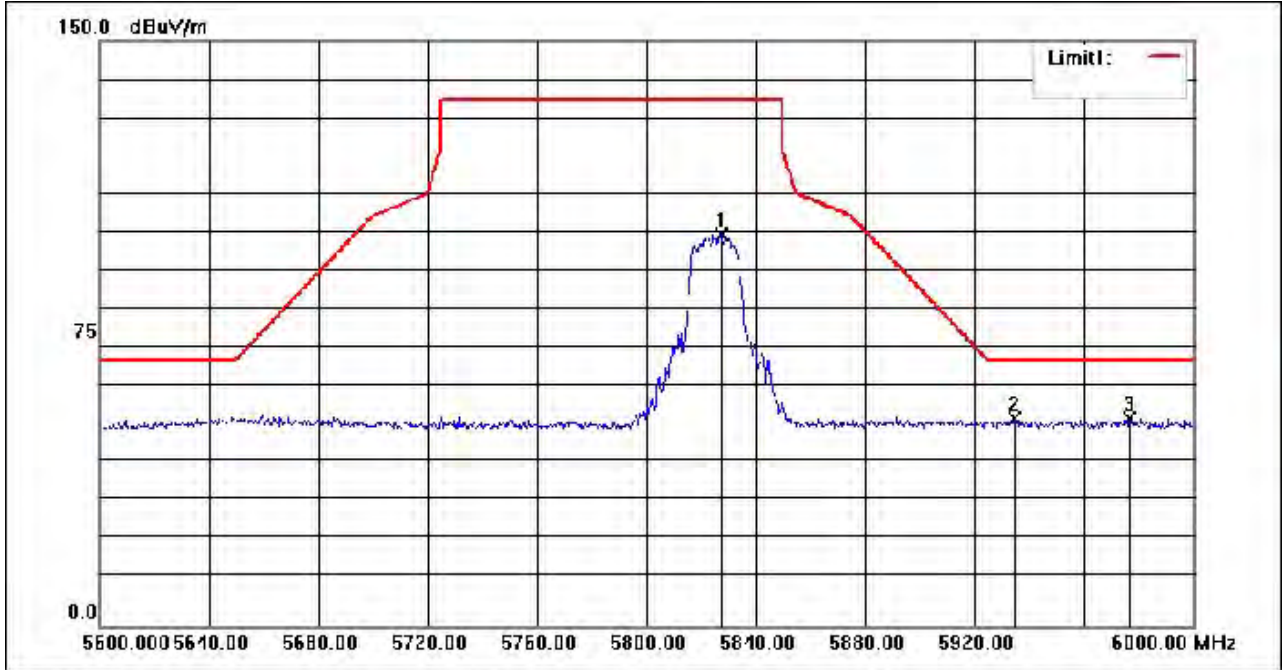
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.200	108.78	-8.57	100.21	135.00	-34.79	peak
2	5934.400	60.99	-8.09	52.90	68.20	-15.30	peak
3	5976.800	61.00	-7.91	53.09	68.20	-15.11	peak



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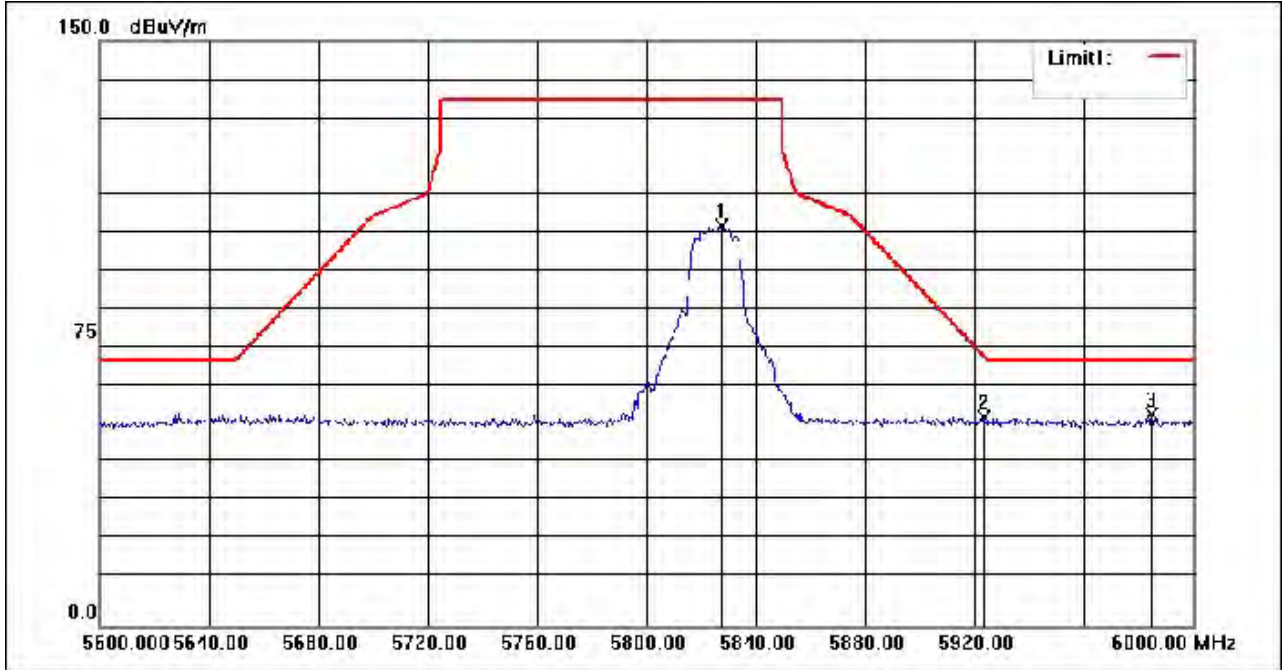
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5827.600	111.06	-8.57	102.49	135.00	-32.51	peak
2	5923.200	61.45	-8.14	53.31	69.53	-16.22	peak
3	5984.800	61.89	-7.87	54.02	68.20	-14.18	peak



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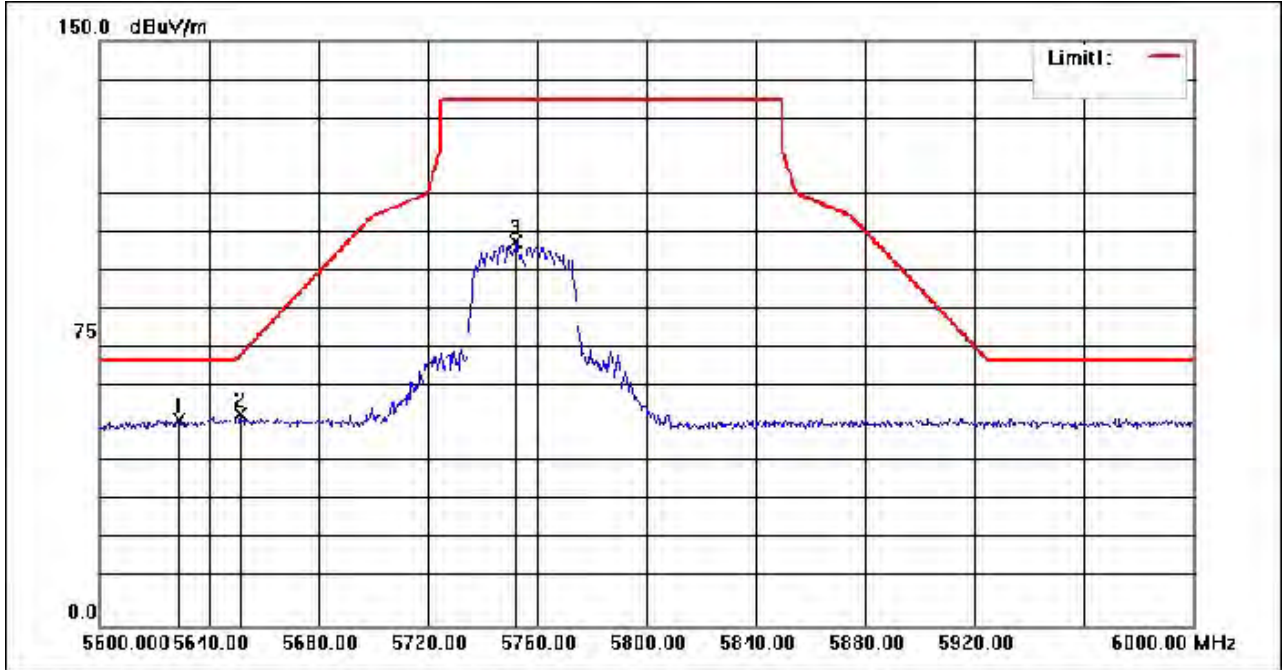
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5629.200	62.06	-9.24	52.82	68.20	-15.38	peak
2	5651.200	63.21	-9.17	54.04	69.09	-15.05	peak
3	5752.400	107.14	-8.84	98.30	135.00	-36.70	peak



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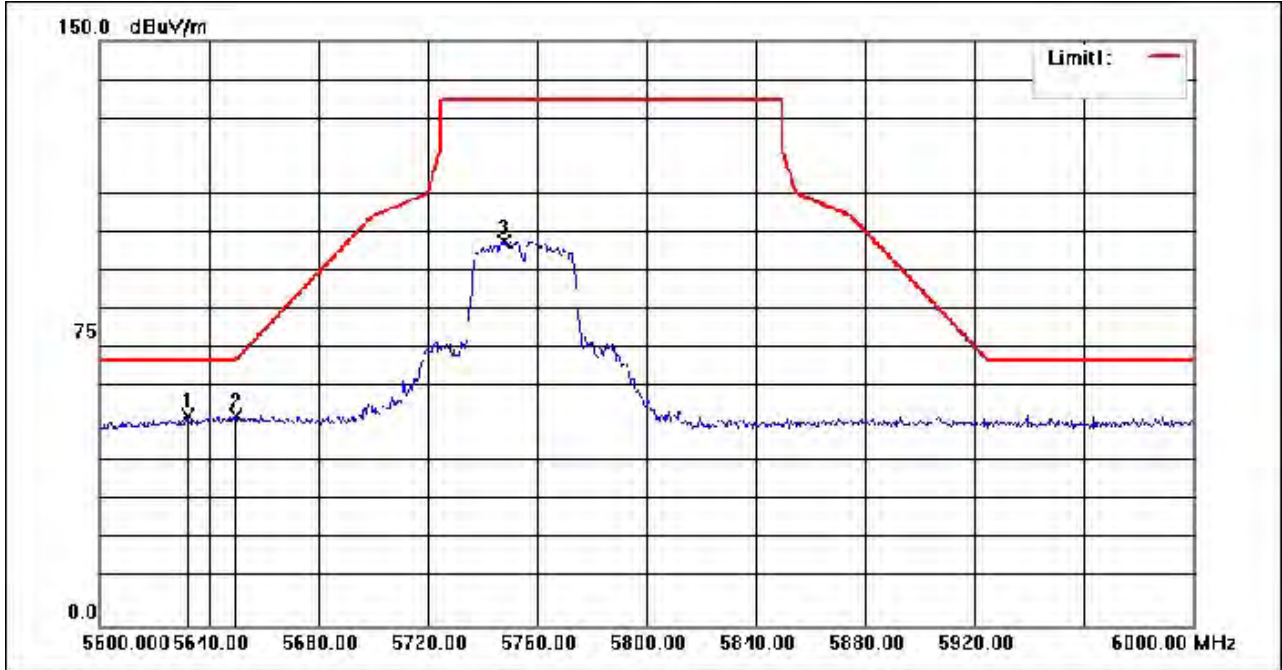
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.000	62.86	-9.23	53.63	68.20	-14.57	peak
2	5650.000	62.96	-9.17	53.79	68.20	-14.41	peak
3	5748.000	107.43	-8.85	98.58	135.00	-36.42	peak



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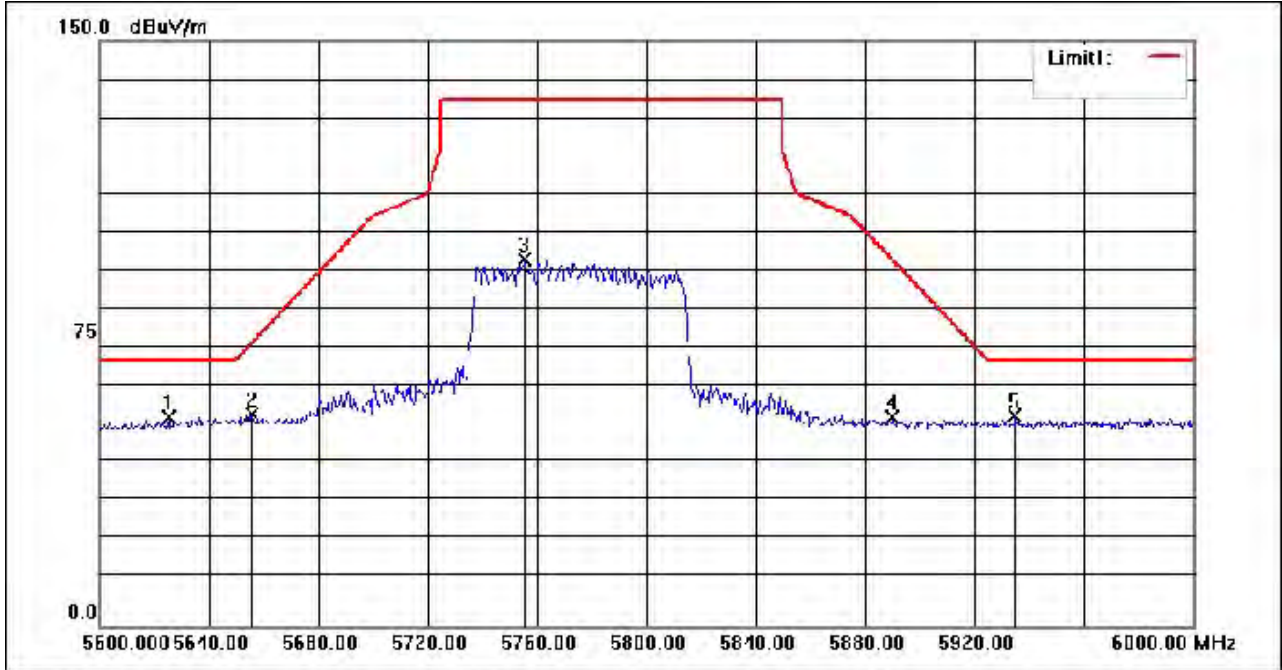
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5625.200	62.62	-9.25	53.37	68.20	-14.83	peak
2	5655.600	63.49	-9.15	54.34	72.34	-18.00	peak
3	5755.600	102.70	-8.84	93.86	135.00	-41.14	peak
4	5890.000	61.67	-8.29	53.38	94.10	-40.72	peak
5	5934.800	62.04	-8.09	53.95	68.20	-14.25	peak



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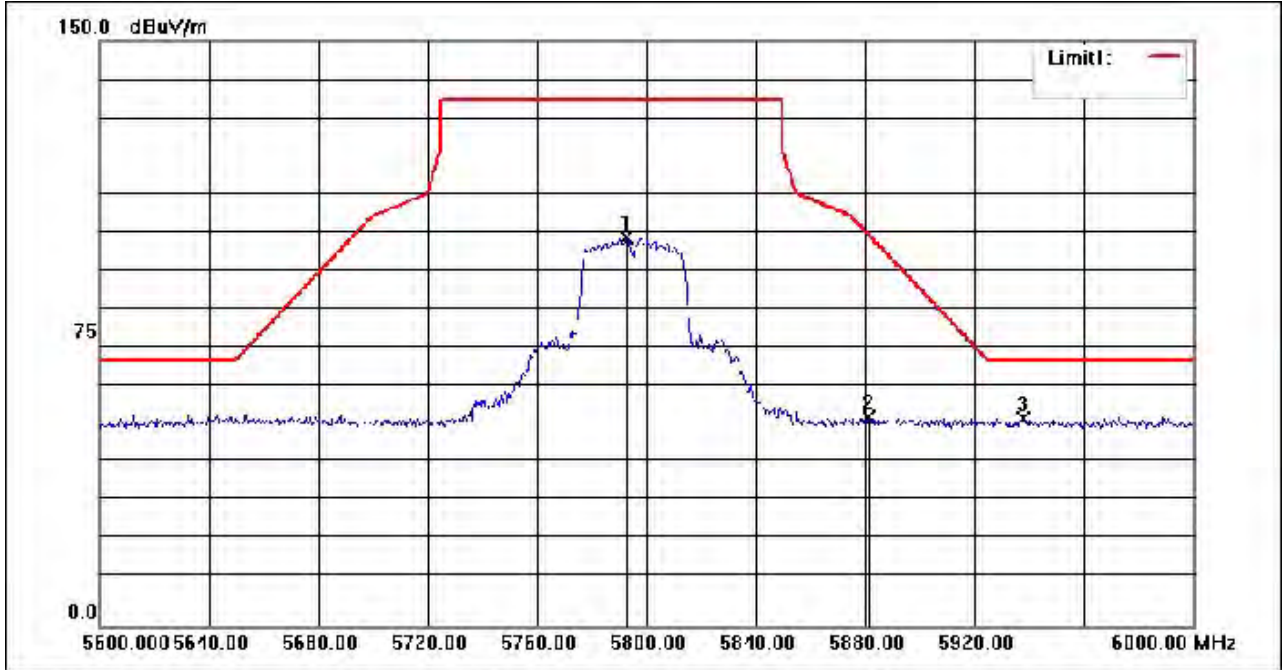
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5792.800	108.37	-8.72	99.65	135.00	-35.35	peak
2	5881.200	61.76	-8.33	53.43	100.61	-47.18	peak
3	5937.600	61.17	-8.07	53.10	68.20	-15.10	peak



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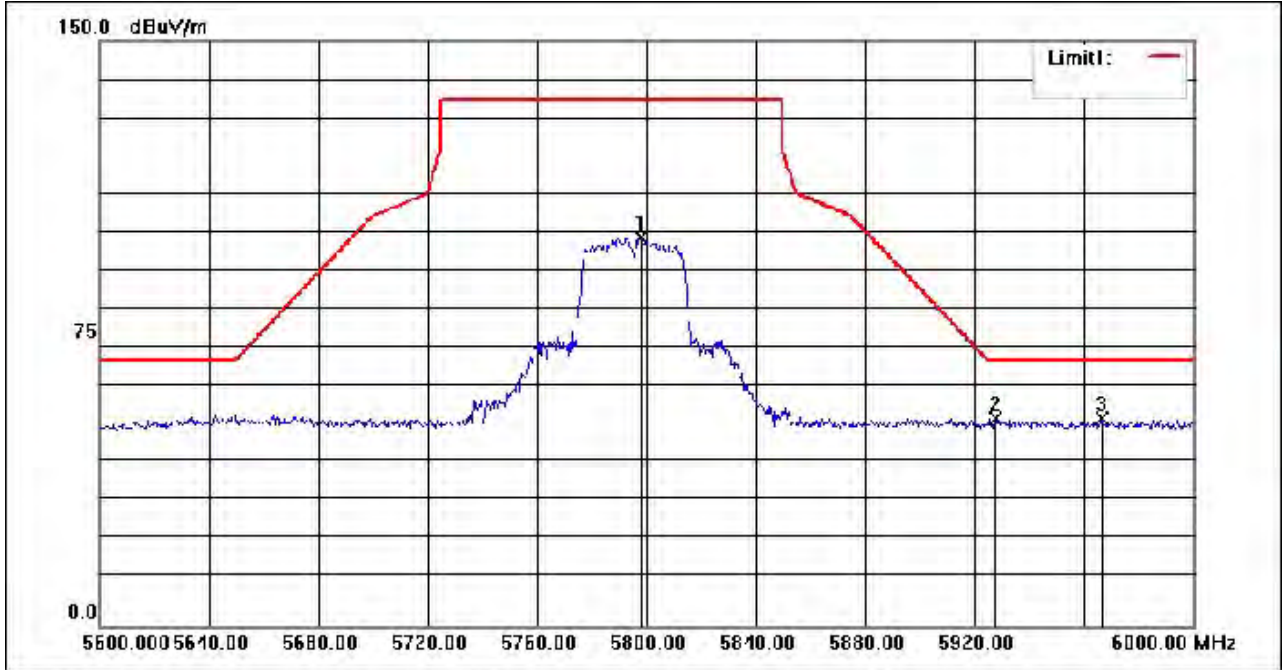
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5798.000	108.32	-8.69	99.63	135.00	-35.37	peak
2	5927.600	61.26	-8.13	53.13	68.20	-15.07	peak
3	5966.400	60.97	-7.95	53.02	68.20	-15.18	peak



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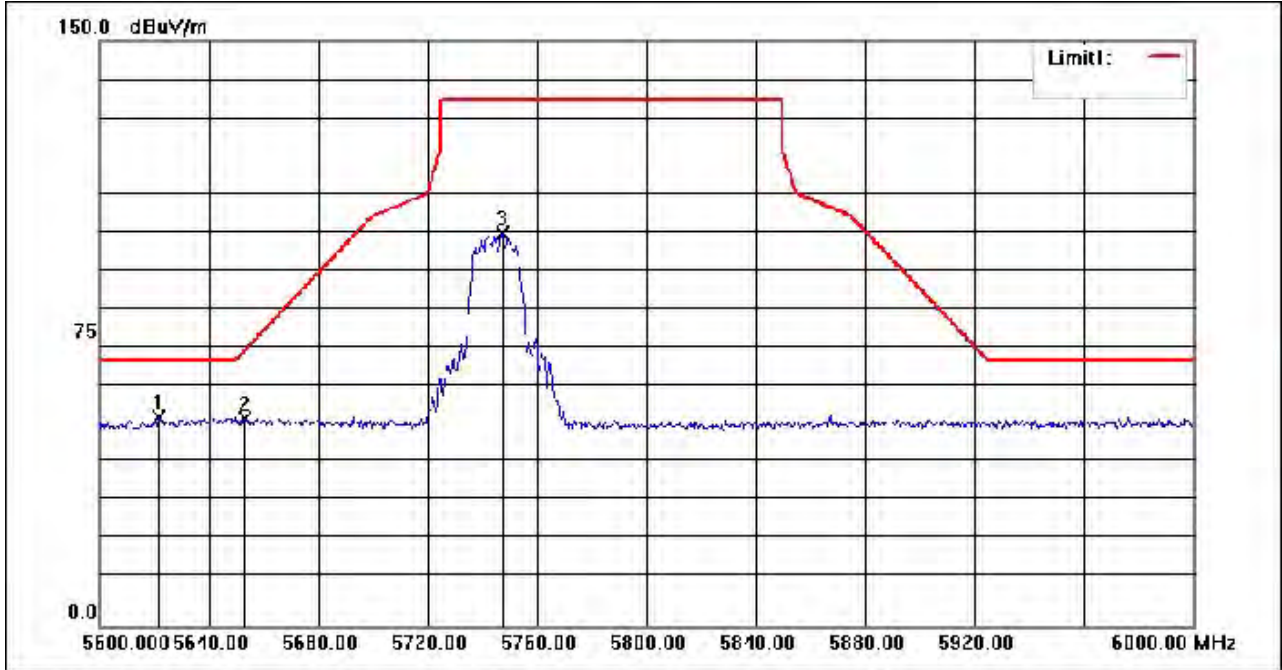
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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5621.600	62.52	-9.26	53.26	68.20	-14.94	peak
2	5653.200	62.32	-9.16	53.16	70.57	-17.41	peak
3	5747.200	109.43	-8.86	100.57	135.00	-34.43	peak



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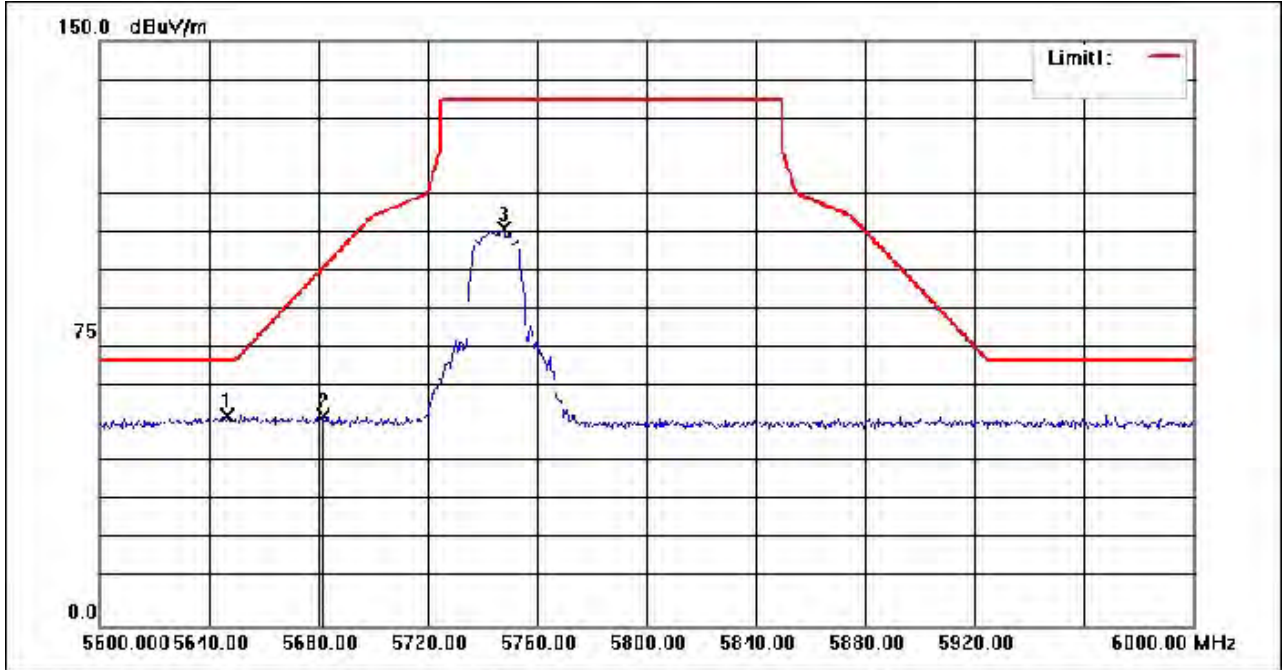
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5646.800	63.09	-9.18	53.91	68.20	-14.29	peak
2	5682.000	63.00	-9.06	53.94	91.88	-37.94	peak
3	5748.000	110.84	-8.85	101.99	135.00	-33.01	peak



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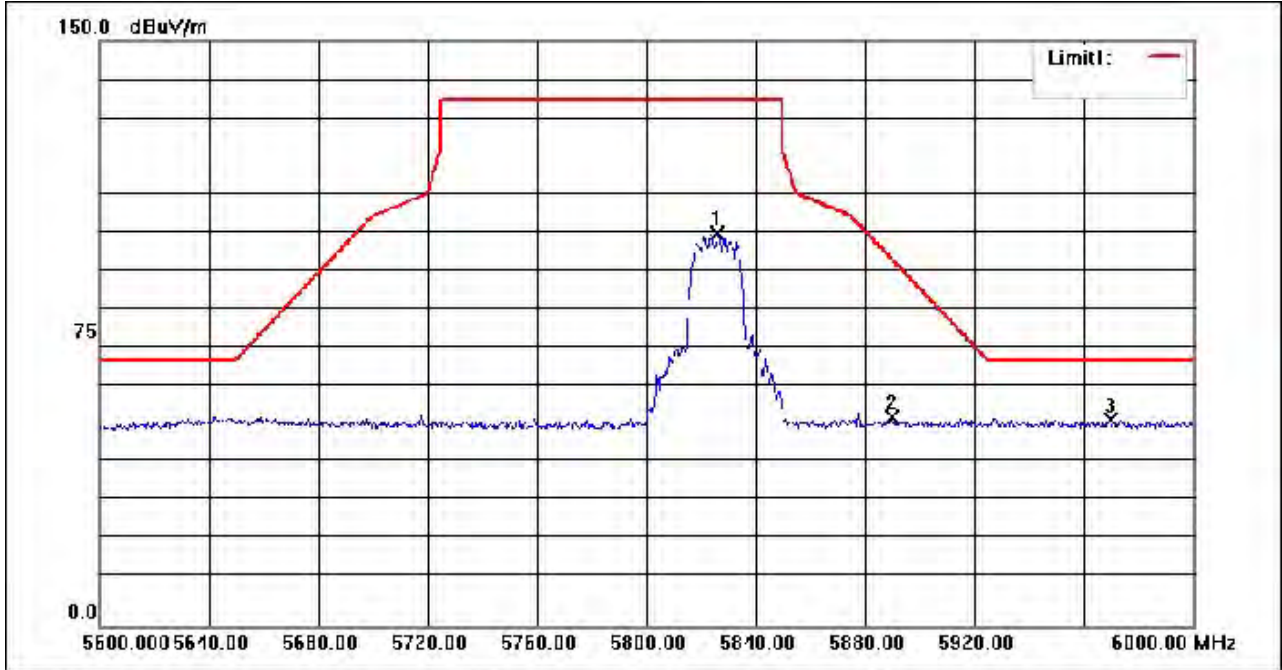
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Compliance Certification Services (Kunshan) Inc.

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5826.000	109.15	-8.58	100.57	135.00	-34.43	peak
2	5890.000	61.57	-8.29	53.28	94.10	-40.82	peak
3	5969.600	60.56	-7.93	52.63	68.20	-15.57	peak



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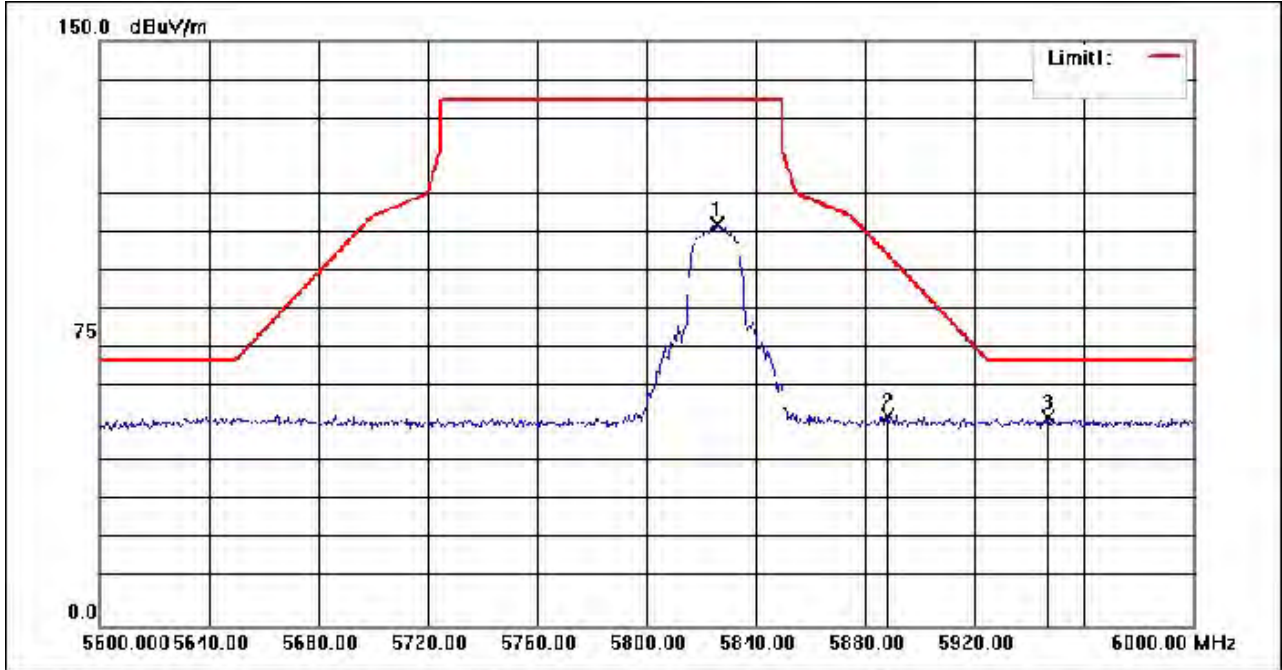
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5825.600	111.44	-8.58	102.86	135.00	-32.14	peak
2	5888.000	61.96	-8.30	53.66	95.58	-41.92	peak
3	5946.800	61.43	-8.04	53.39	68.20	-14.81	peak



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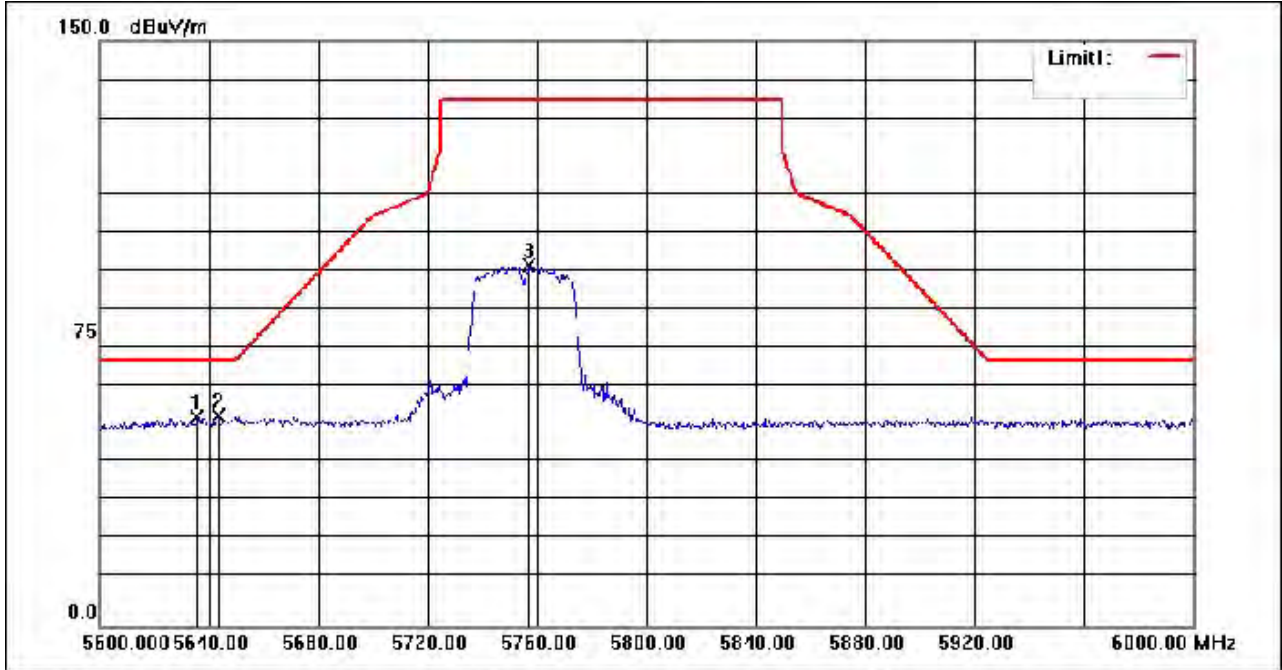
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Test Mode: 04; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5635.600	62.48	-9.21	53.27	68.20	-14.93	peak
2	5643.600	63.07	-9.19	53.88	68.20	-14.32	peak
3	5757.200	101.10	-8.82	92.28	135.00	-42.72	peak



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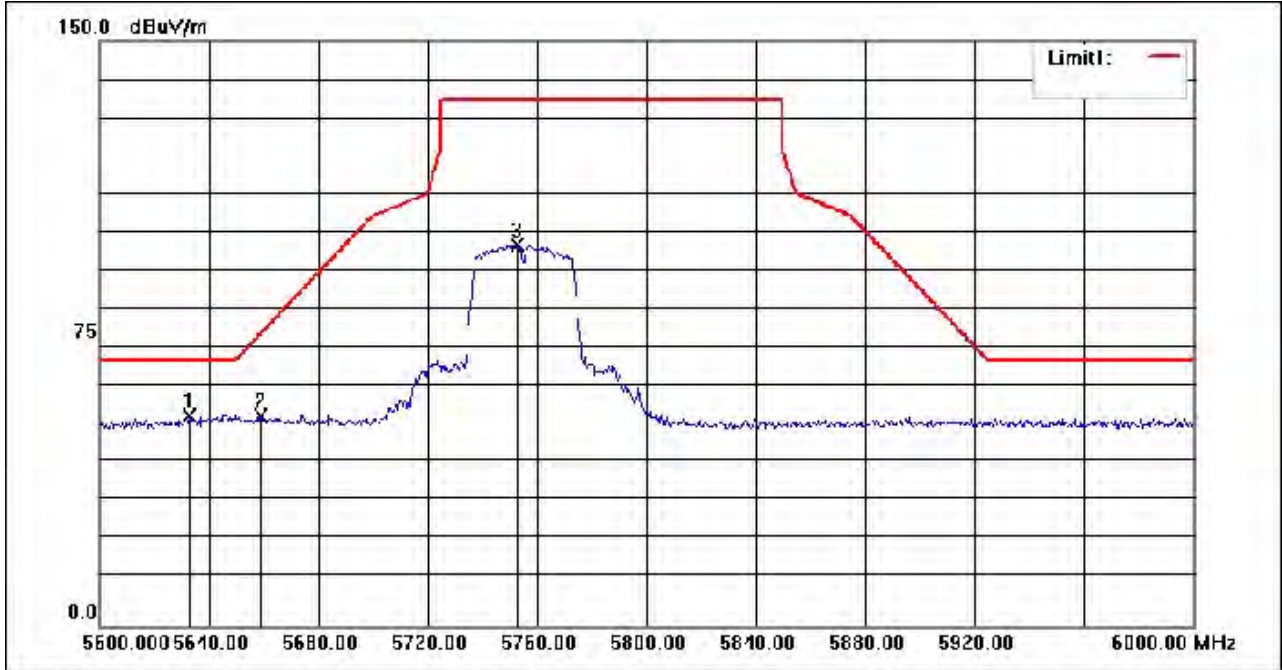
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Report No.: KSCR221000189002

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5632.800	62.92	-9.23	53.69	68.20	-14.51	peak
2	5658.800	63.10	-9.14	53.96	74.71	-20.75	peak
3	5752.800	106.56	-8.84	97.72	135.00	-37.28	peak



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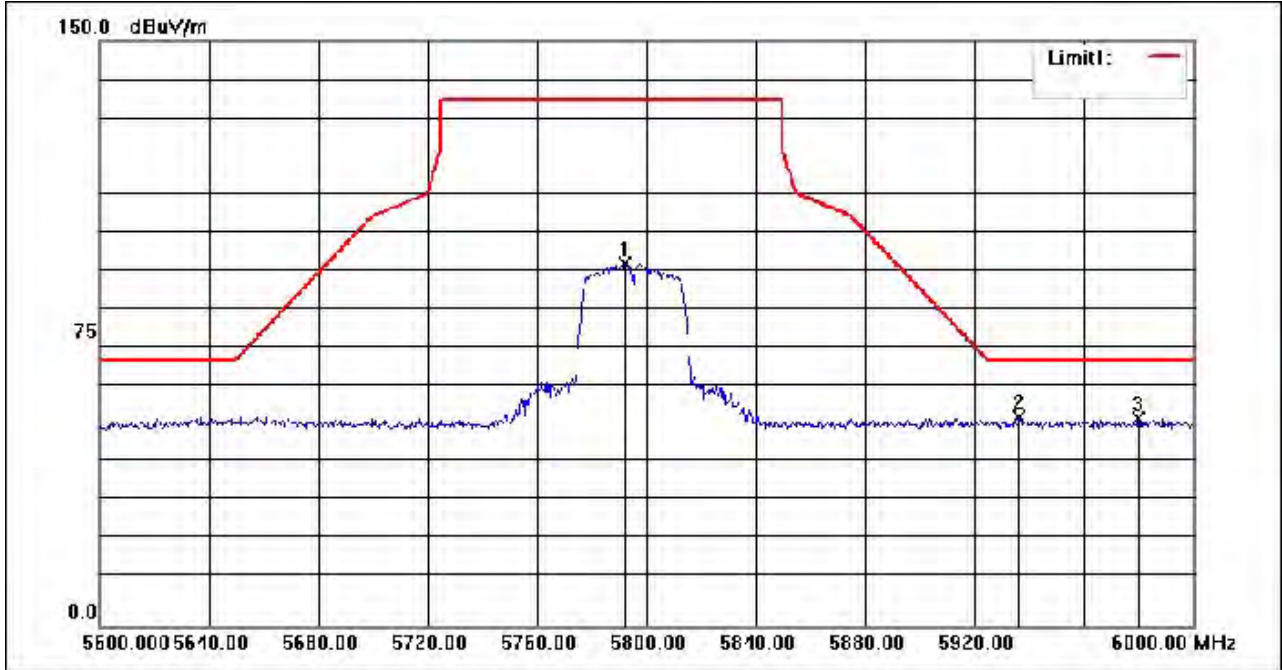
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5792.400	101.55	-8.72	92.83	135.00	-42.17	peak
2	5936.400	61.46	-8.08	53.38	68.20	-14.82	peak
3	5980.000	61.03	-7.89	53.14	68.20	-15.06	peak



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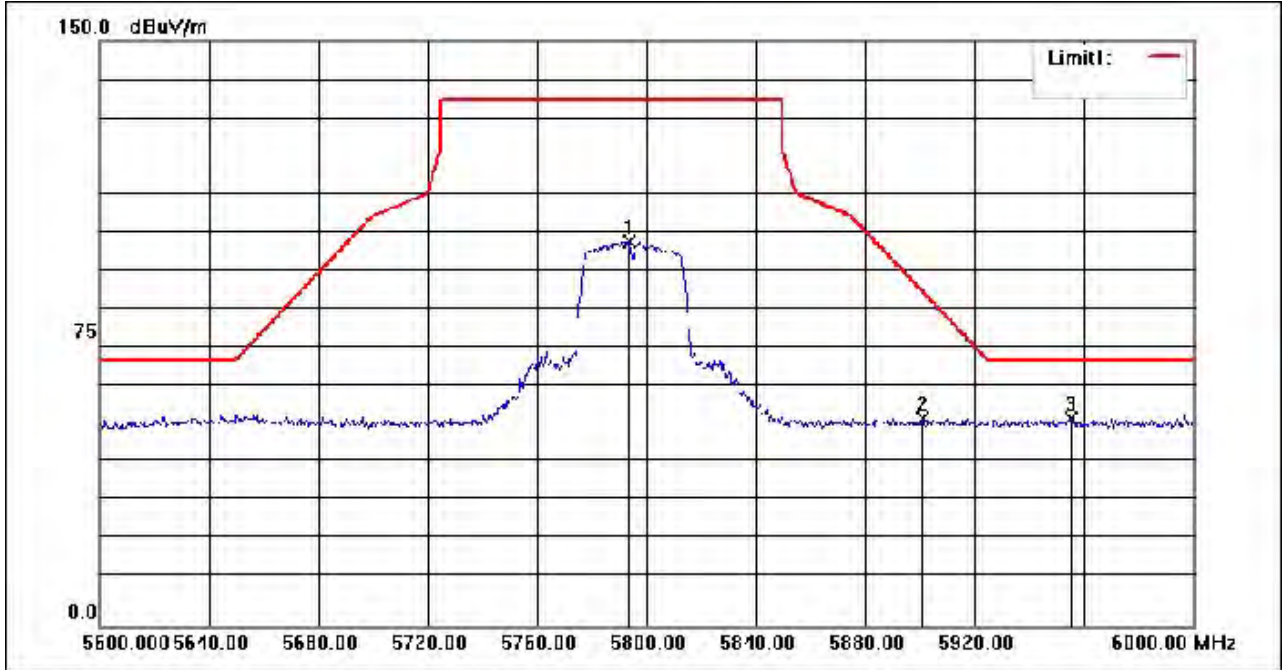
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5793.600	107.14	-8.71	98.43	135.00	-36.57	peak
2	5900.800	61.26	-8.24	53.02	86.11	-33.09	peak
3	5955.200	61.01	-8.00	53.01	68.20	-15.19	peak



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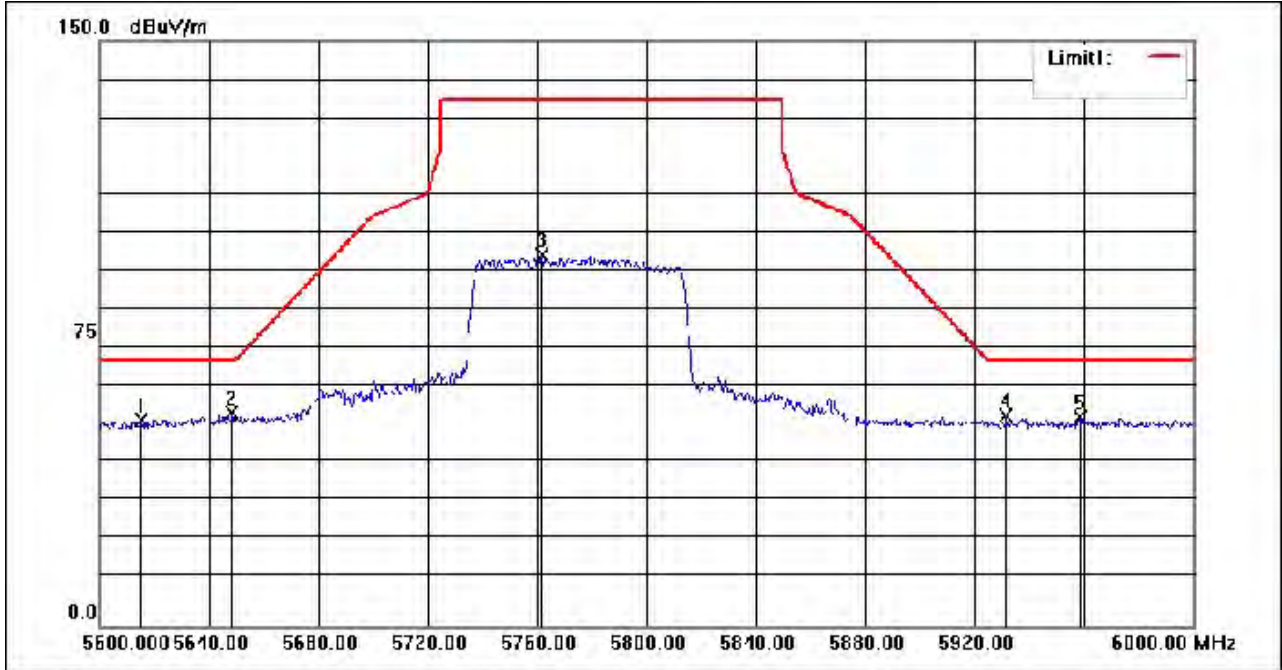
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5615.200	61.93	-9.28	52.65	68.20	-15.55	peak
2	5648.400	63.58	-9.18	54.40	68.20	-13.80	peak
3	5761.600	103.74	-8.81	94.93	135.00	-40.07	peak
4	5931.600	61.77	-8.10	53.67	68.20	-14.53	peak
5	5958.400	61.29	-7.98	53.31	68.20	-14.89	peak



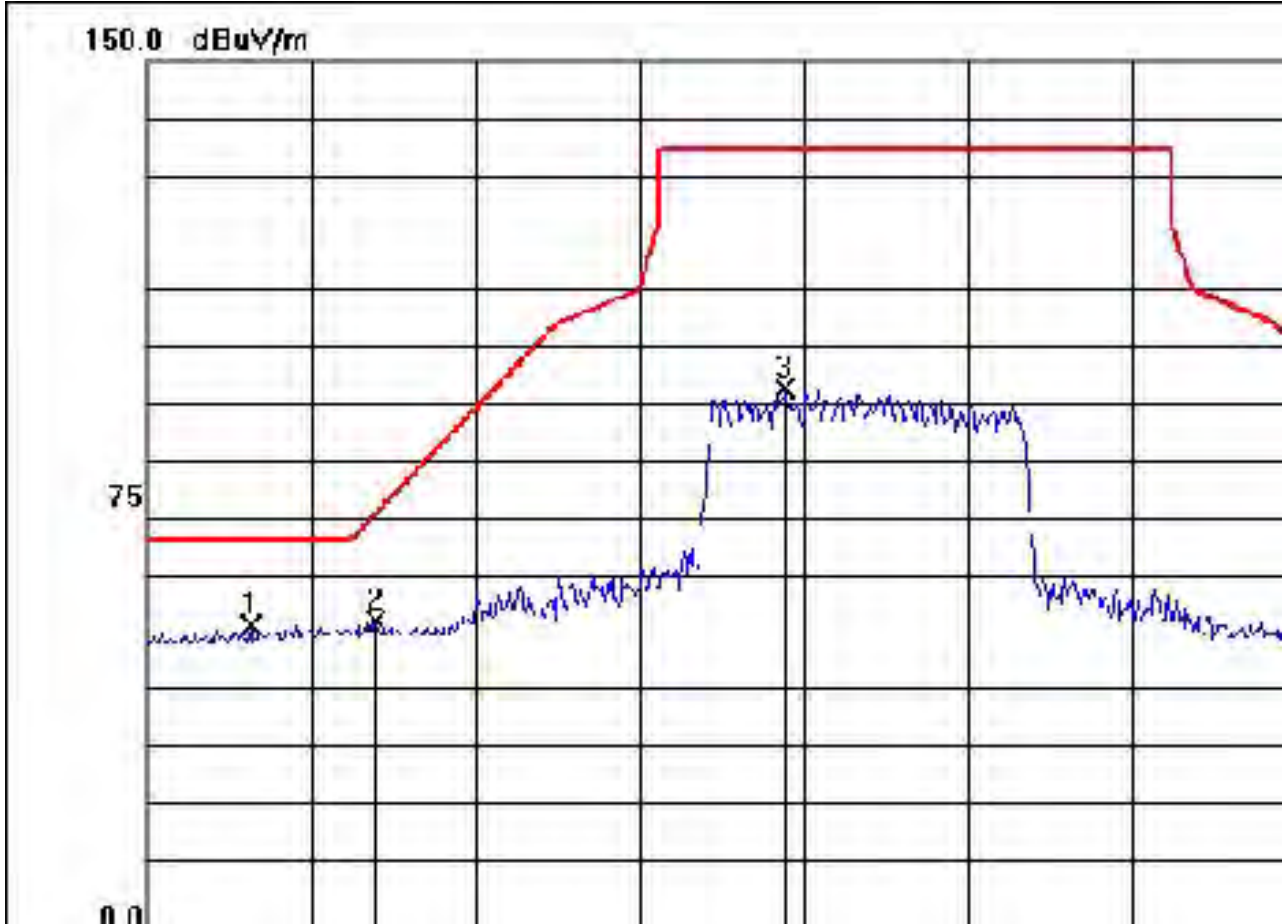
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



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7.10 Frequency Stability

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

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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 34.3 °C Humidity: 39.6 % RH Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Final test	02	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	03	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Final test	04	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.



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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 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.

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 34.3 °C Humidity: 39.6 % RH Atmospheric Pressure: 1010 mbar



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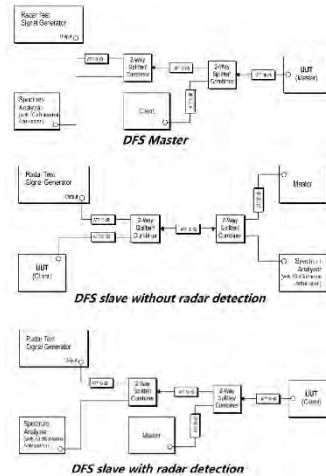
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7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Final test	03	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80),. Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



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7.11.4 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.

Please Refer to Appendix for Details



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7.12 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.

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 34.3 °C Humidity: 39.7 % RH Atmospheric Pressure: 1010 mbar



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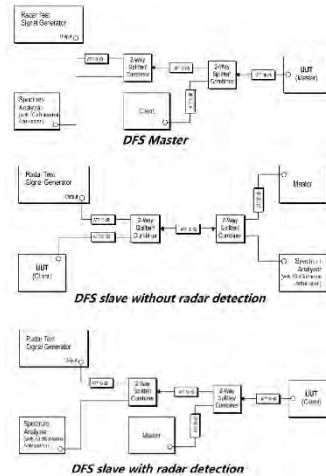
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7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Final test	03	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



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7.12.4 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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7.13 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.

7.13.1 E.U.T. Operation

Operating Environment:

Temperature: 34.3 °C Humidity: 39.7 % RH Atmospheric Pressure: 1010 mbar



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7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Final test	03	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.

7.13.3 Test Setup Diagram



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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 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.14.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 58.5 % RH Atmospheric Pressure: 1010 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Pre test	02	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Pre test	03	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type



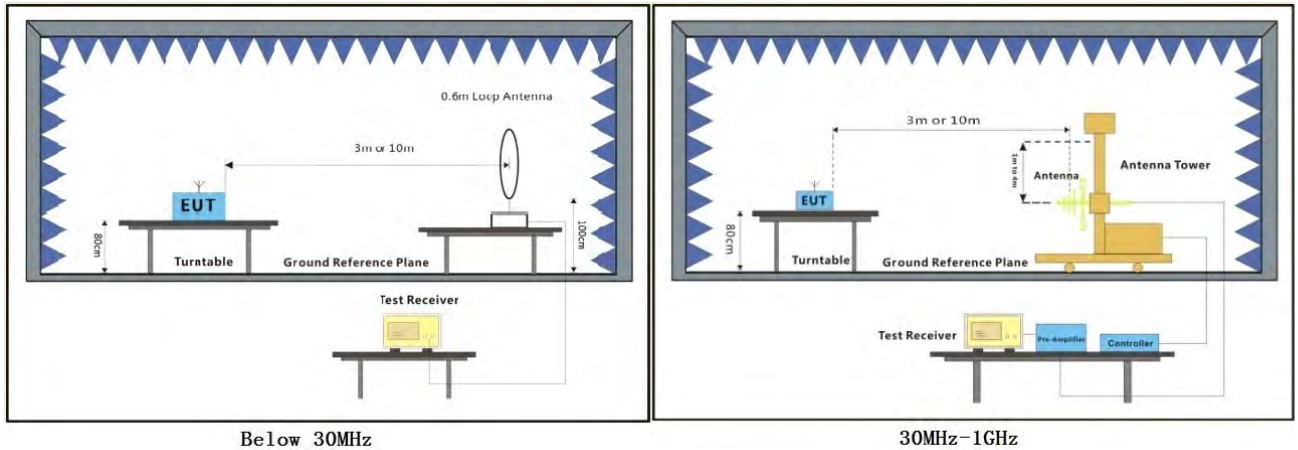
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		have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), Only the data of worst case is recorded in the report.
Pre test	04	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80),. Only the data of worst case is recorded in the report.

7.14.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz



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7.14.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
- 3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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Test Mode: 01; Polarity: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.6202	2.50	25.14	27.64	40.00	-12.36	100	0	QP
2	131.2965	10.35	19.33	29.68	43.50	-13.82	185	360	QP
3	323.3204	19.24	21.12	40.36	46.00	-5.64	100	250	QP
4	336.0352	16.76	21.36	38.12	46.00	-7.88	100	273	QP
5	383.9318	7.96	22.60	30.56	46.00	-15.44	121	116	QP
6	768.7482	7.12	28.09	35.21	46.00	-10.79	200	98	QP



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Test Mode: 01; Polarity: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.1054	2.21	25.23	27.44	40.00	-12.56	100	50	QP
2	57.5939	12.47	15.37	27.84	40.00	-12.16	100	237	QP
3	122.8340	5.96	19.41	25.37	43.50	-18.13	100	355	QP
4	230.9068	10.48	17.65	28.13	46.00	-17.87	100	6	QP
5	336.0352	13.65	21.36	35.01	46.00	-10.99	104	360	QP
6	396.2415	8.38	23.18	31.56	46.00	-14.44	100	358	QP



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2210001890AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2210001890AT



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10 Appendix



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Appendix for KSCR2210001890AT-5G WIFI

Channel	802.11a		802.11n(HT20)		802.11ac(VHT20)	
	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
36	14	15	14	15	15.5	16.5
40	14.5	16	14	15	15.5	16
48	14	15.5	14	14.5	14.5	15
52	14	15.5	14.5	15	14.5	15.5
60	14.5	15.5	14.5	15.5	14.5	15.5
64	15.5	16	15	16	14.5	15.5
100	14	14.5	14.5	16	14.5	15
116	14.5	15	15	16	14.5	15.5
140	15.5	15	15	15.5	16.5	17.5
149	15	15	15	16	15	16
157	15	15.5	15	16	15	16.5
165	14.5	14.5	14.5	15.5	15.5	16
Channel	802.11n(HT40)		802.11ac(VHT40)			
	Ant 1	Ant 2	Ant 1	Ant 2		
38	14	15	14.5	15		
46	14	14.5	14.5	15		
54	13.5	14.5	14.5	15		
62	14	14.5	16	17		
102	13.5	14	14.5	15.5		
110	14	15	15.5	15.5		
134	13	13.5	13.5	14		
151	15	15	15	16		
159	15	15.5	16	17		
Channel	802.11ac(VHT80)					
	Ant 1	Ant 2				
42	15	15.5				
58	15	16				
106	15	16				
122	14.5	15				
155	15.5	16				



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1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.392	1.455	95.67	0.19	0.07
		5200	1.392	1.454	95.74	0.19	0.07
		5240	1.393	1.455	95.74	0.19	0.03
		5260	1.392	1.453	95.80	0.19	0.04
		5300	1.394	1.455	95.81	0.19	0.03
		5320	1.392	1.454	95.74	0.19	0.07
		5500	1.394	1.455	95.81	0.19	0.06
		5580	1.394	1.455	95.81	0.19	0.03
		5700	1.393	1.455	95.74	0.19	0.07
		5745	1.393	1.454	95.80	0.19	0.03
802.11n (HT20)	MIMO	5180	1.301	1.363	95.45	0.20	0.03
		5200	1.301	1.363	95.45	0.20	0.07
		5240	1.301	1.362	95.52	0.20	0.03
		5260	1.301	1.363	95.45	0.20	0.03
		5300	1.301	1.363	95.45	0.20	0.07
		5320	1.302	1.363	95.52	0.20	0.07
		5500	1.302	1.363	95.52	0.20	0.03
		5580	1.302	1.363	95.52	0.20	0.07
		5700	1.302	1.363	95.52	0.20	0.07
		5745	1.301	1.362	95.52	0.20	0.07
802.11n (HT40)	MIMO	5190	0.648	0.710	91.27	0.40	0.03
		5230	0.648	0.710	91.27	0.40	0.03
		5270	0.649	0.710	91.41	0.39	0.03
		5310	0.649	0.710	91.41	0.39	0.03
		5510	0.649	0.710	91.41	0.39	0.03
		5550	0.649	0.710	91.41	0.39	0.03
		5670	0.649	0.710	91.41	0.39	0.03
		5755	0.648	0.710	91.27	0.40	0.07
802.11ac (VHT20)	MIMO	5180	1.313	1.375	95.49	0.20	0.07
		5200	1.312	1.374	95.49	0.20	0.03



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		5240	1.313	1.374	95.56	0.20	0.03
		5260	1.312	1.374	95.49	0.20	0.03
		5300	1.313	1.374	95.56	0.20	0.03
		5320	1.312	1.374	95.49	0.20	0.07
		5500	1.313	1.375	95.49	0.20	0.07
		5580	1.313	1.374	95.56	0.20	0.00
		5700	1.312	1.374	95.49	0.20	0.00
		5745	1.312	1.374	95.49	0.20	0.07
		5785	1.312	1.374	95.49	0.20	0.07
		5825	1.313	1.375	95.49	0.20	0.07
802.11ac (VHT40)	MIMO	5190	0.653	0.714	91.46	0.39	0.10
		5230	0.652	0.714	91.32	0.39	0.10
		5270	0.653	0.714	91.46	0.39	0.07
		5310	0.652	0.714	91.32	0.39	0.10
		5510	0.652	0.714	91.32	0.39	0.06
		5550	0.653	0.714	91.46	0.39	0.10
		5670	0.652	0.713	91.44	0.39	0.04
		5755	0.653	0.715	91.33	0.39	0.10
802.11ac (VHT80)	MIMO	5795	0.653	0.714	91.46	0.39	0.10
		5210	0.325	0.386	84.20	0.75	0.10
		5290	0.326	0.387	84.24	0.74	0.08
		5530	0.325	0.386	84.20	0.75	0.09
		5610	0.325	0.386	84.20	0.75	0.12
		5775	0.326	0.387	84.24	0.74	0.15

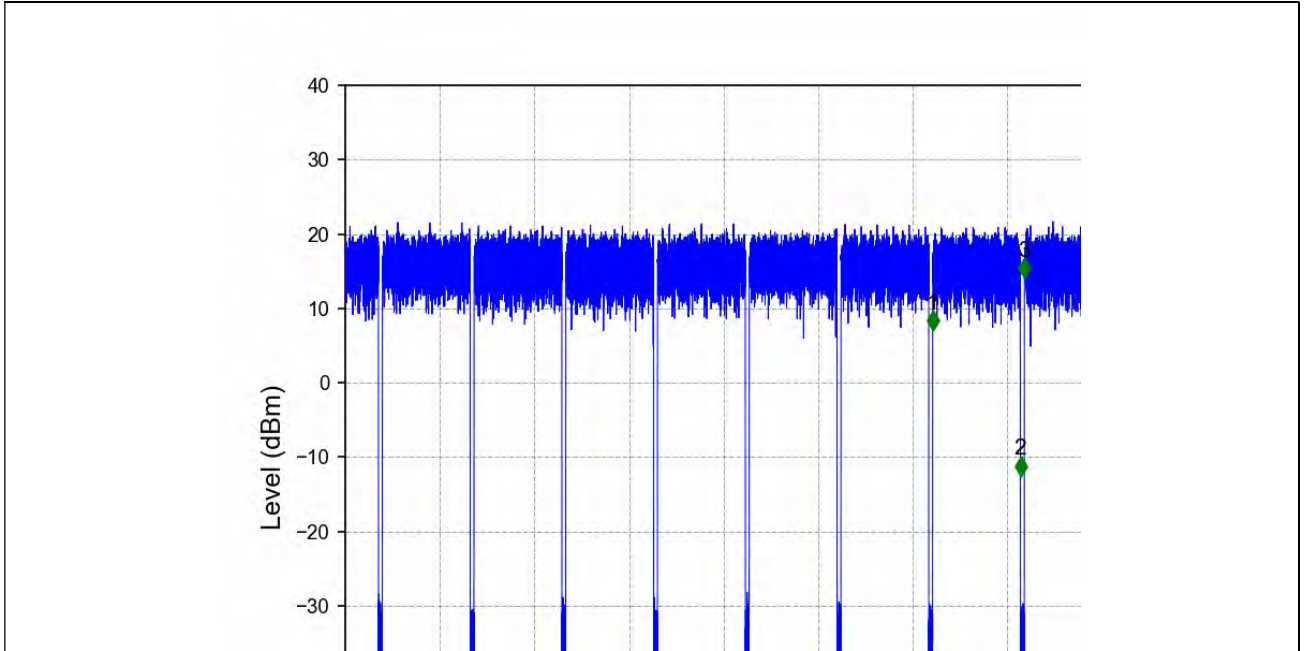
1.1.2 Test Graph

802.11a LCH_5180MHz_Ant1_NTNV

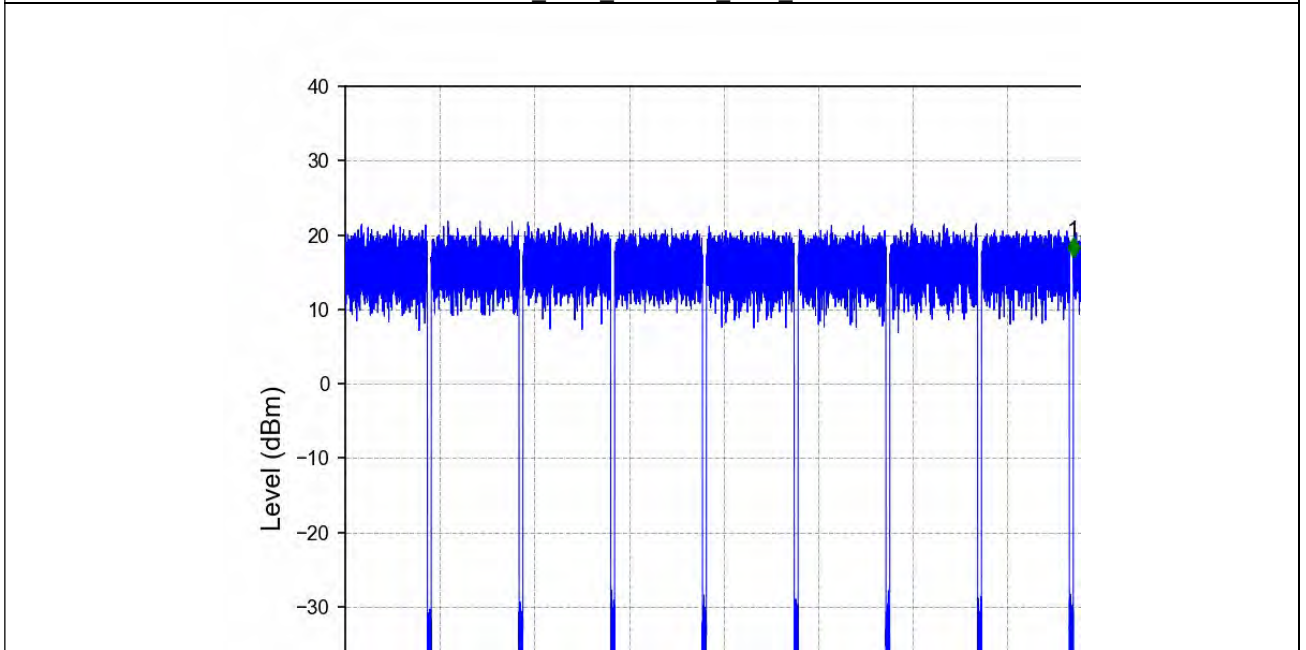


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802.11a MCH 5200MHz Ant1 NTN



802.11a HCH 5240MHz Ant1 NTN

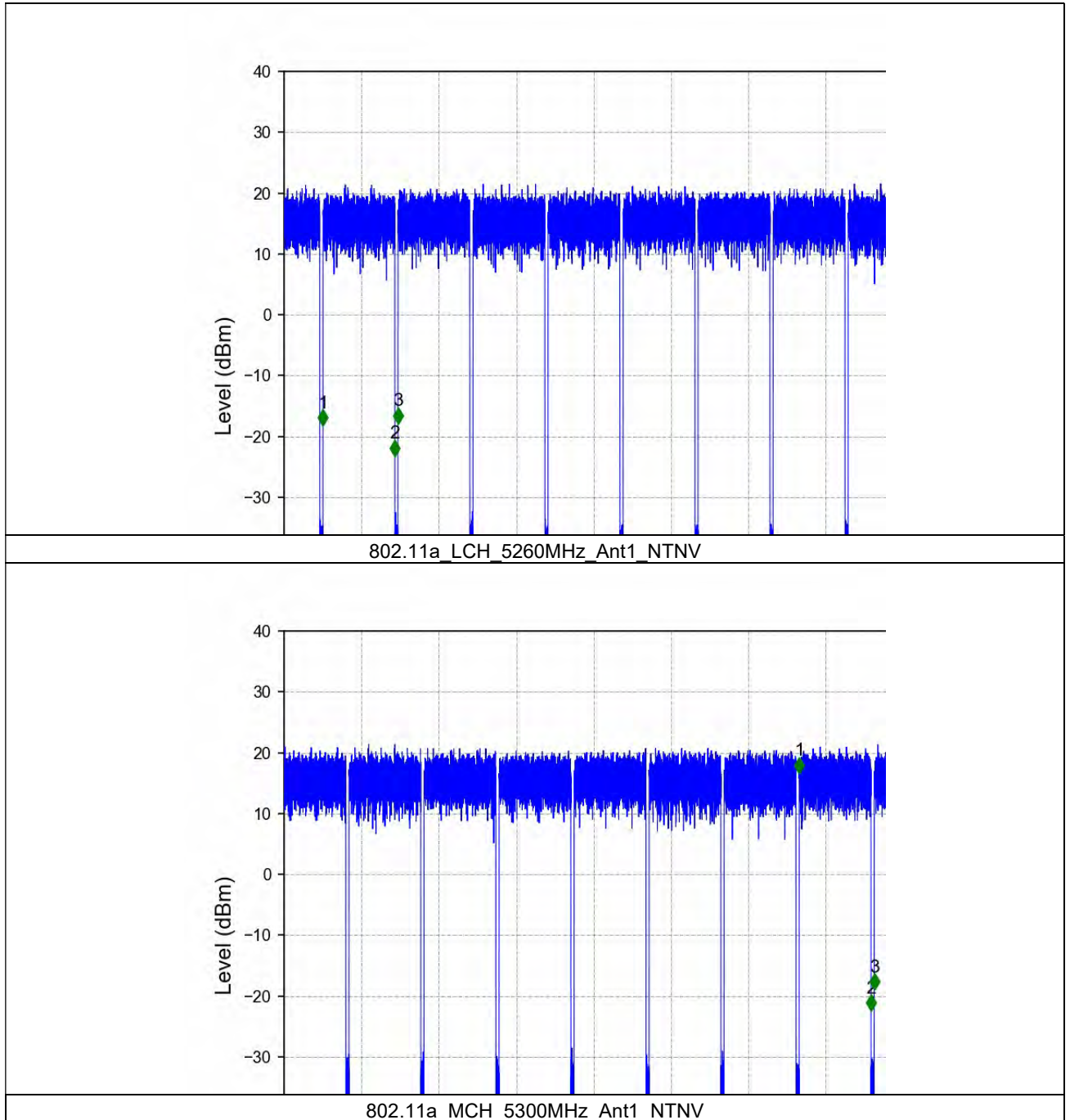


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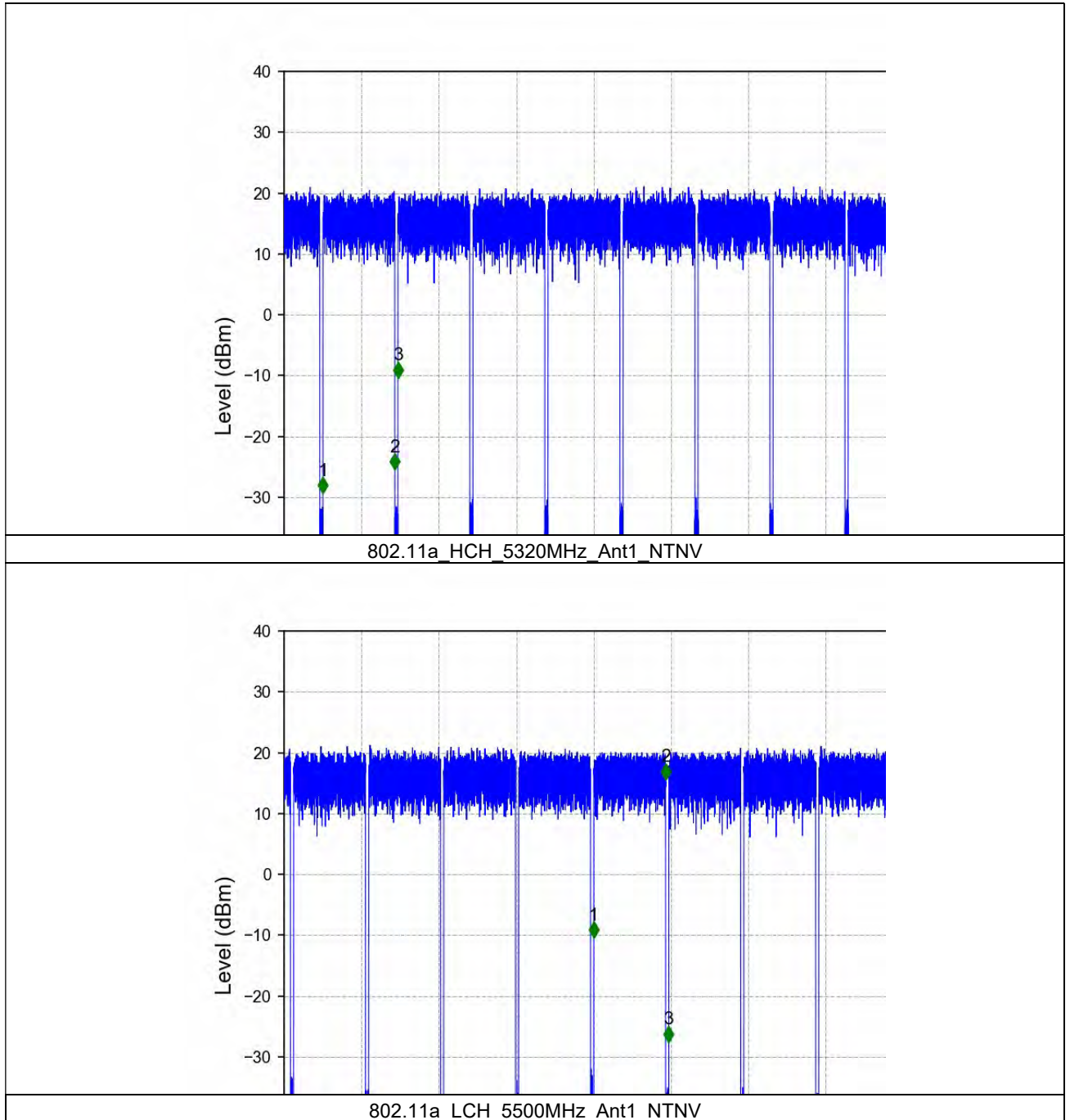


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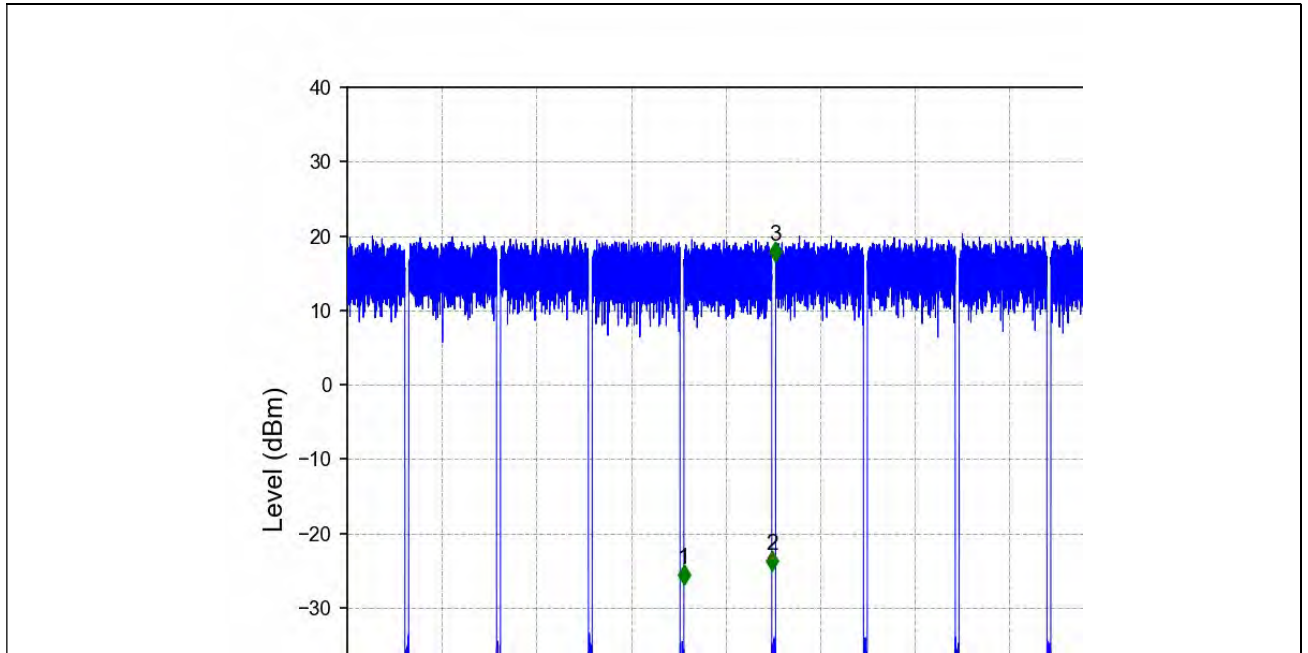
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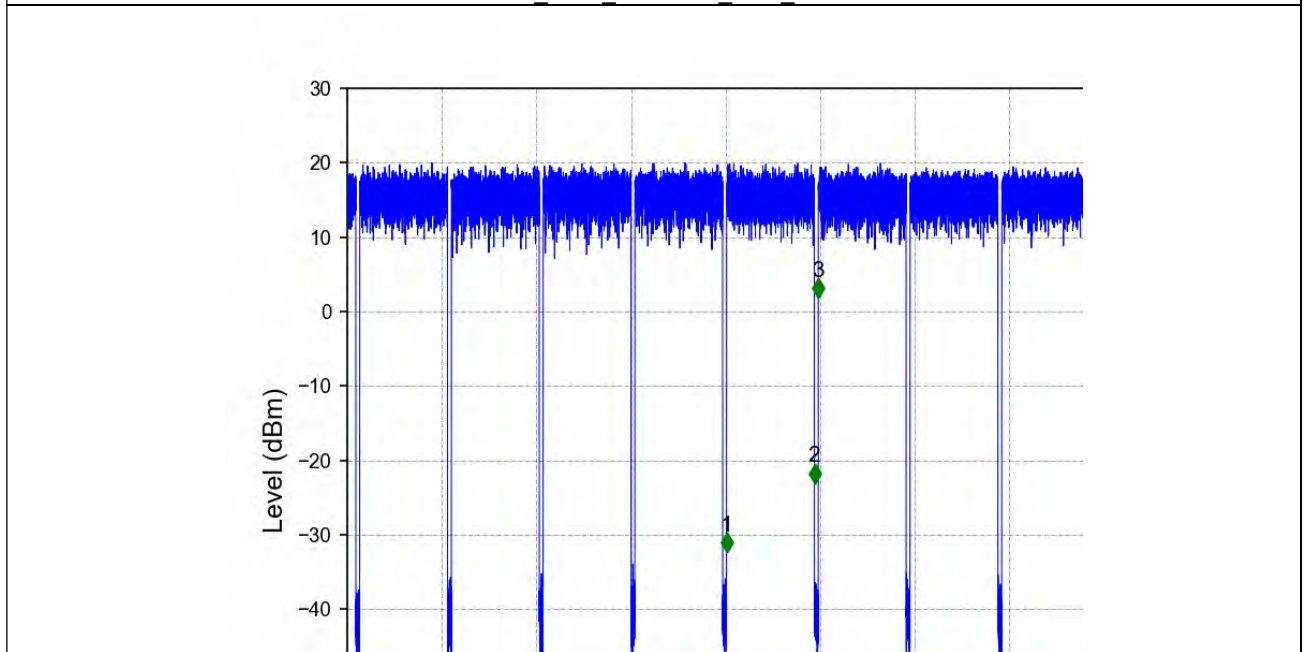
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Inspection & Testing Services
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802.11a MCH 5580MHz Ant1 NTN

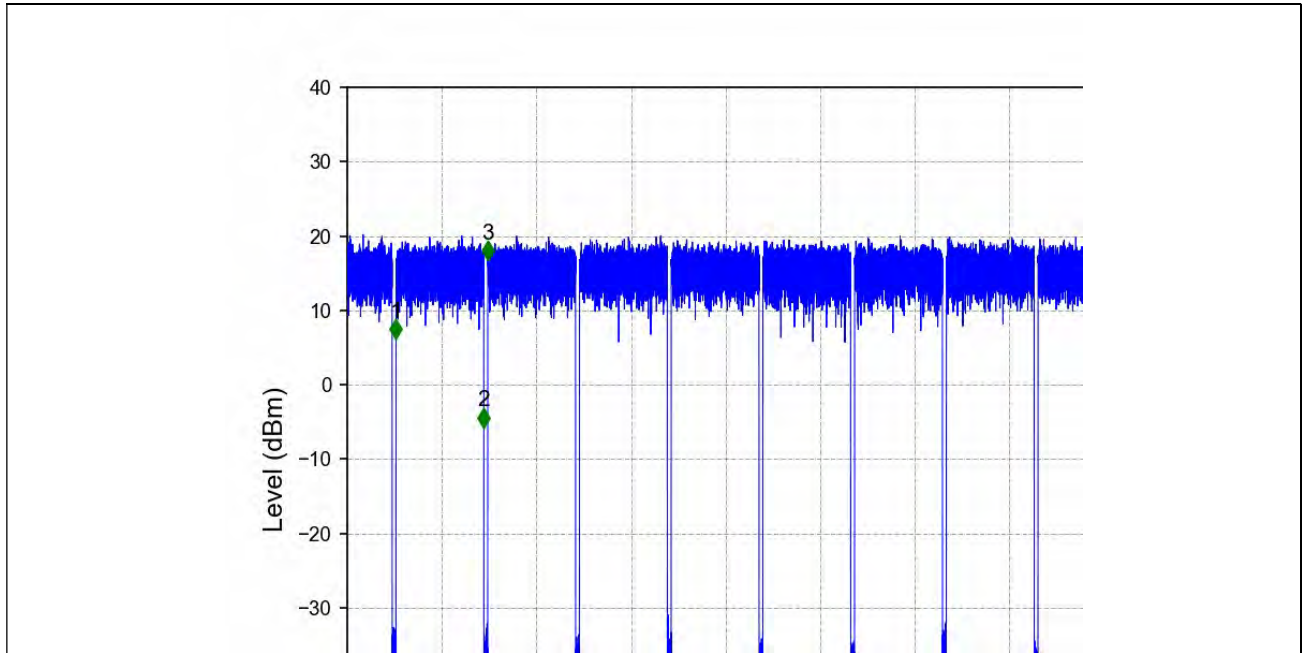


802.11a HCH 5700MHz Ant1 NTN

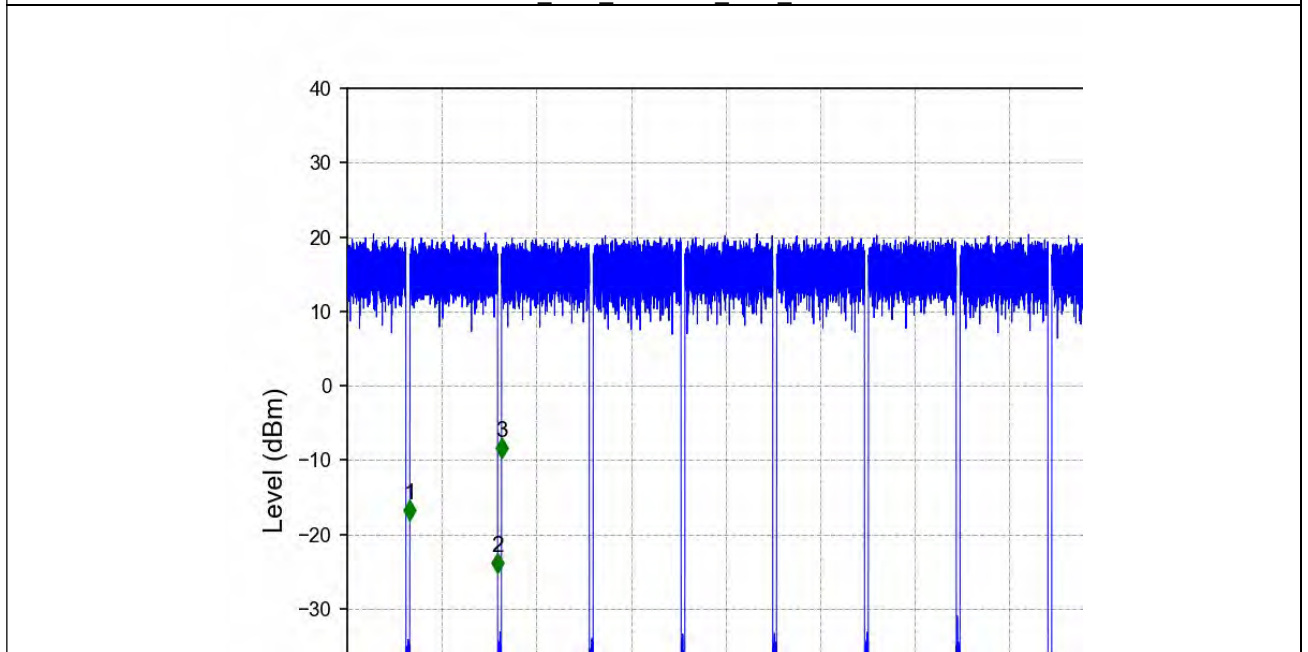


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802.11a LCH 5745MHz Ant1 NTN



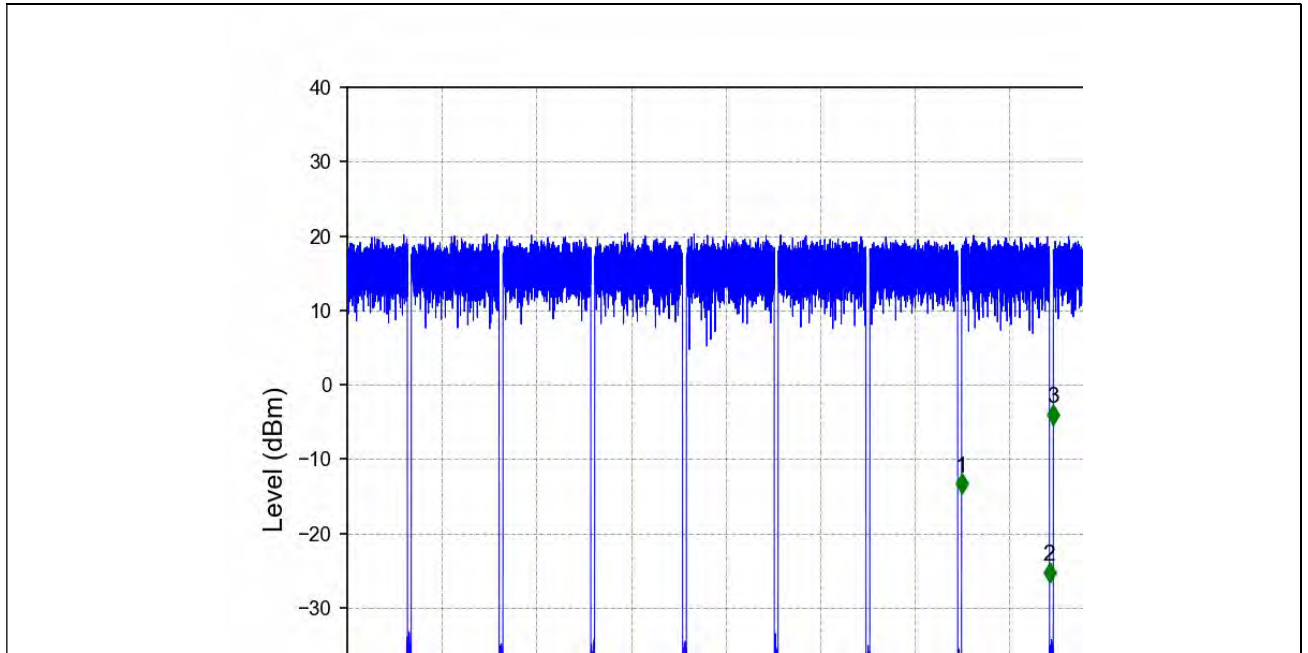
802.11a MCH 5785MHz Ant1 NTN



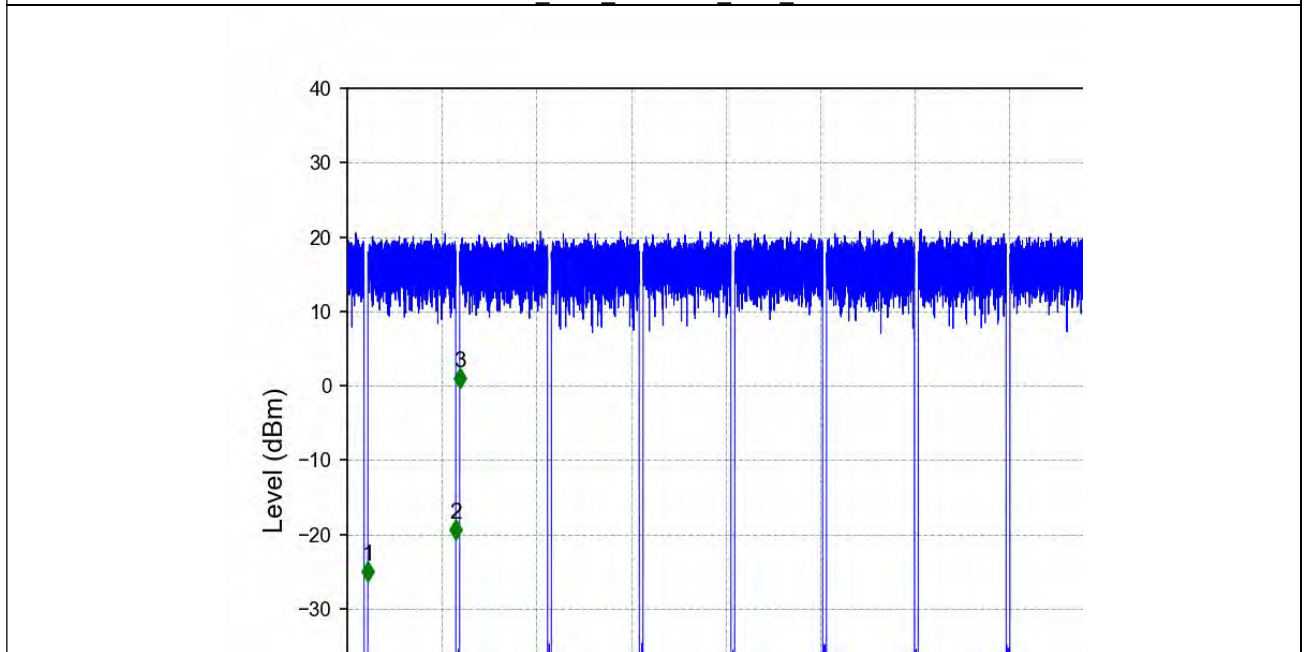
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802.11a HCH 5825MHz Ant1 NTN

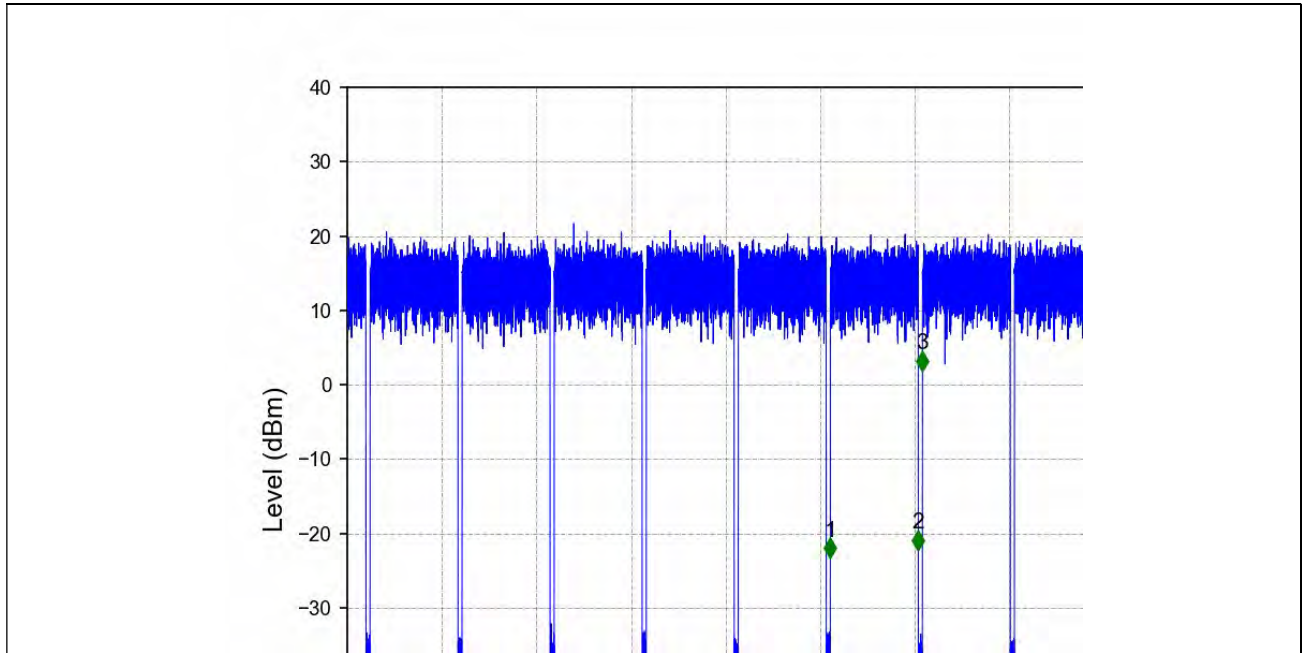


802.11n(HT20) LCH 5180MHz Ant1 NTN

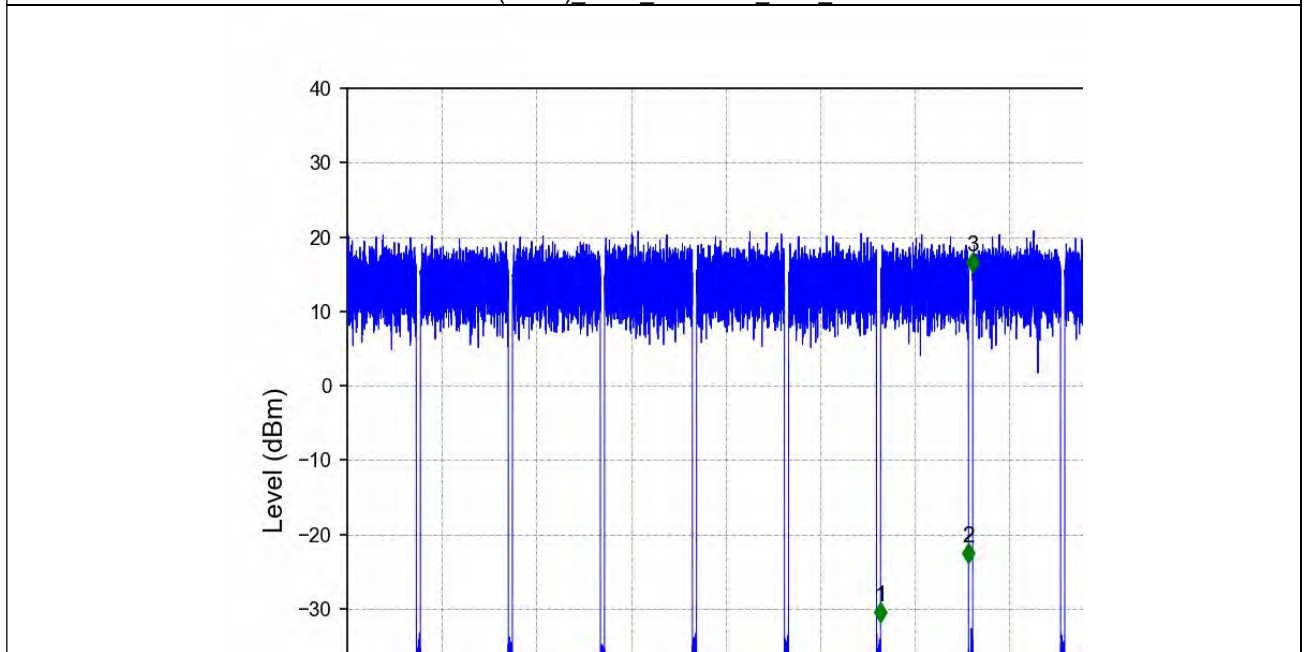


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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



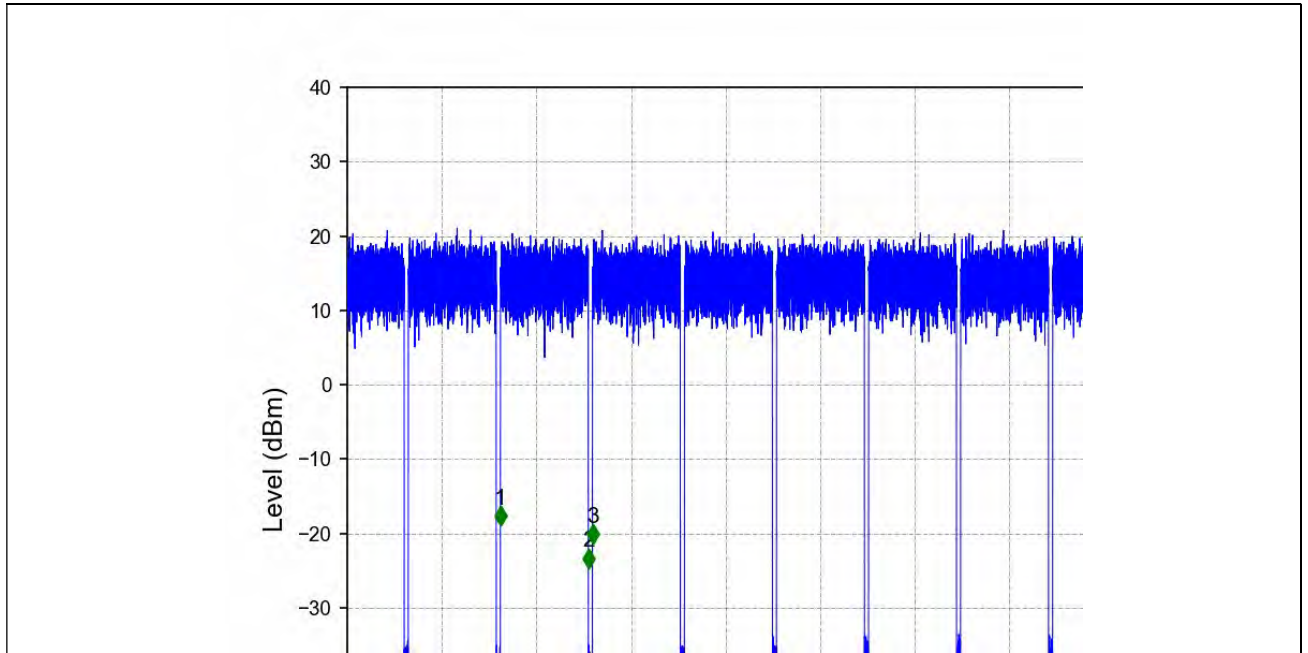
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



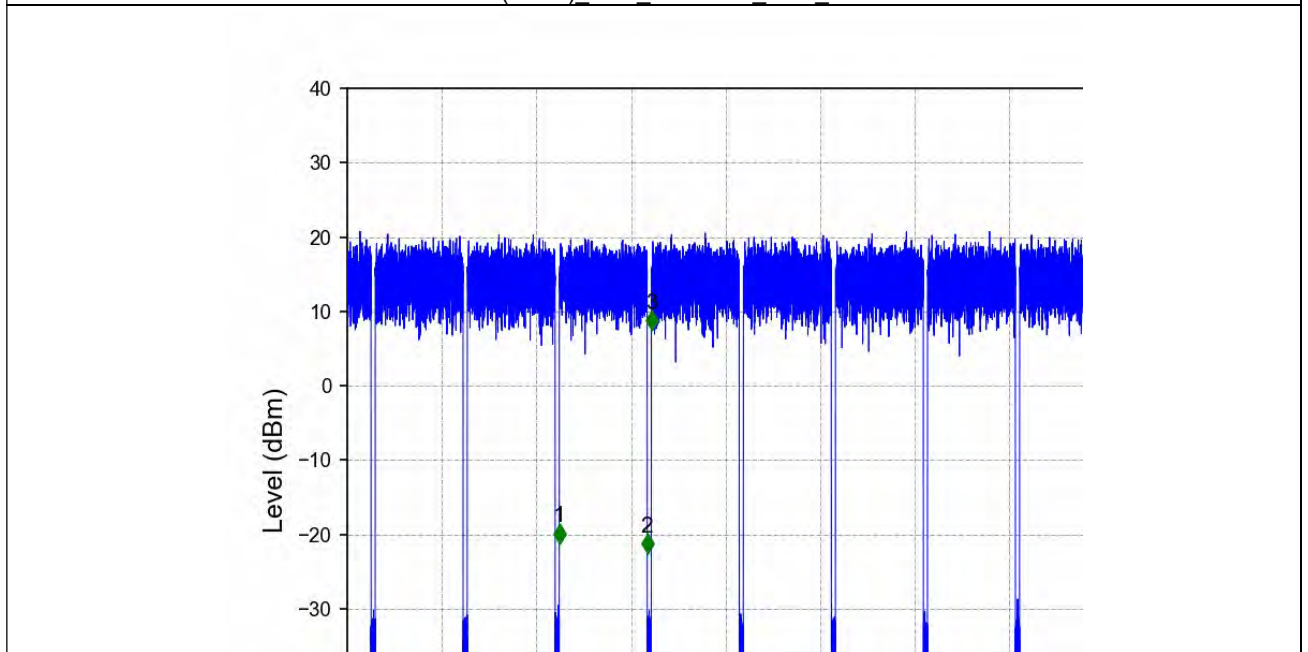
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802.11n(HT20) LCH 5260MHz Ant1 NTN



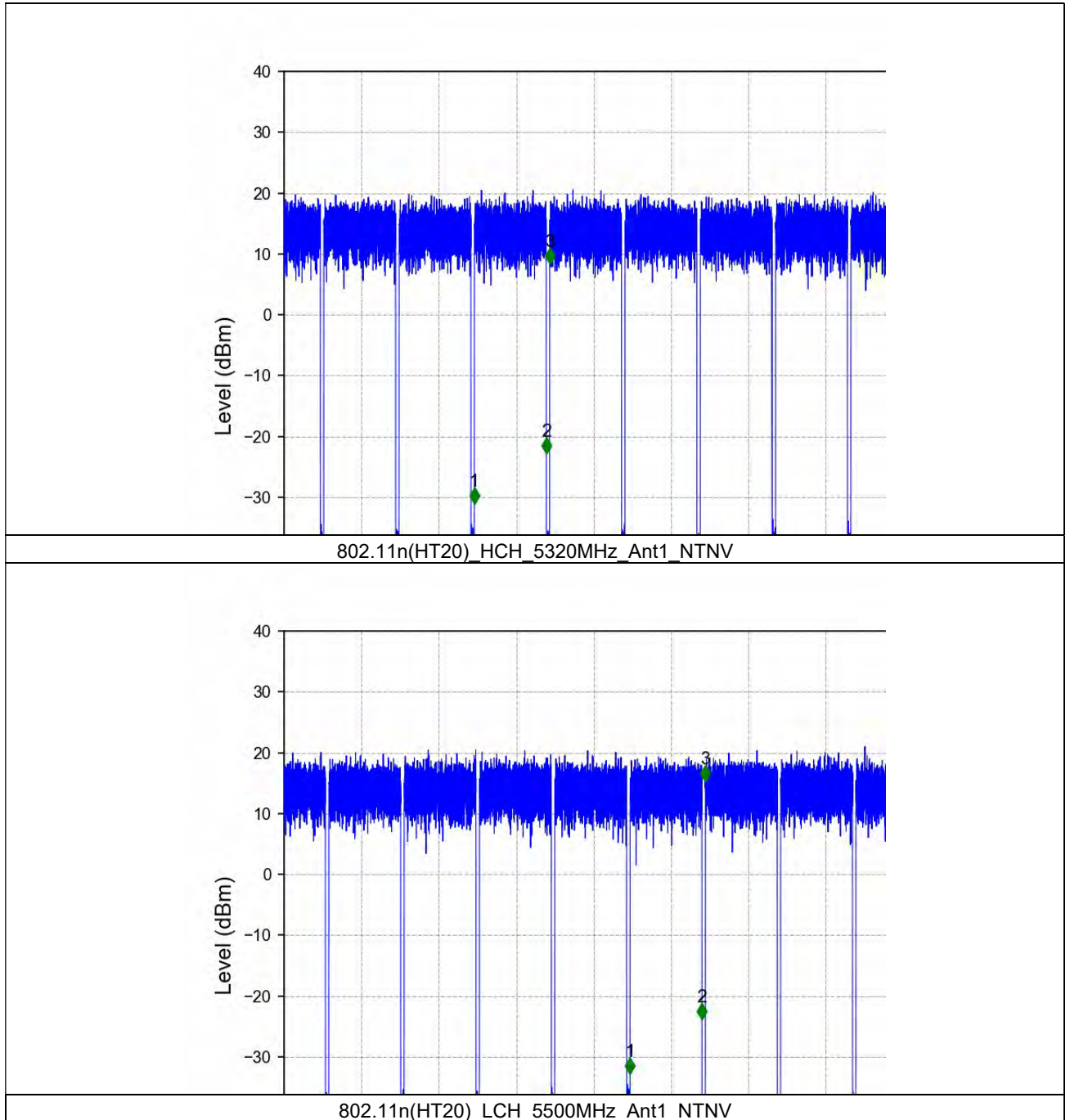
802.11n(HT20) MCH 5300MHz Ant1 NTN



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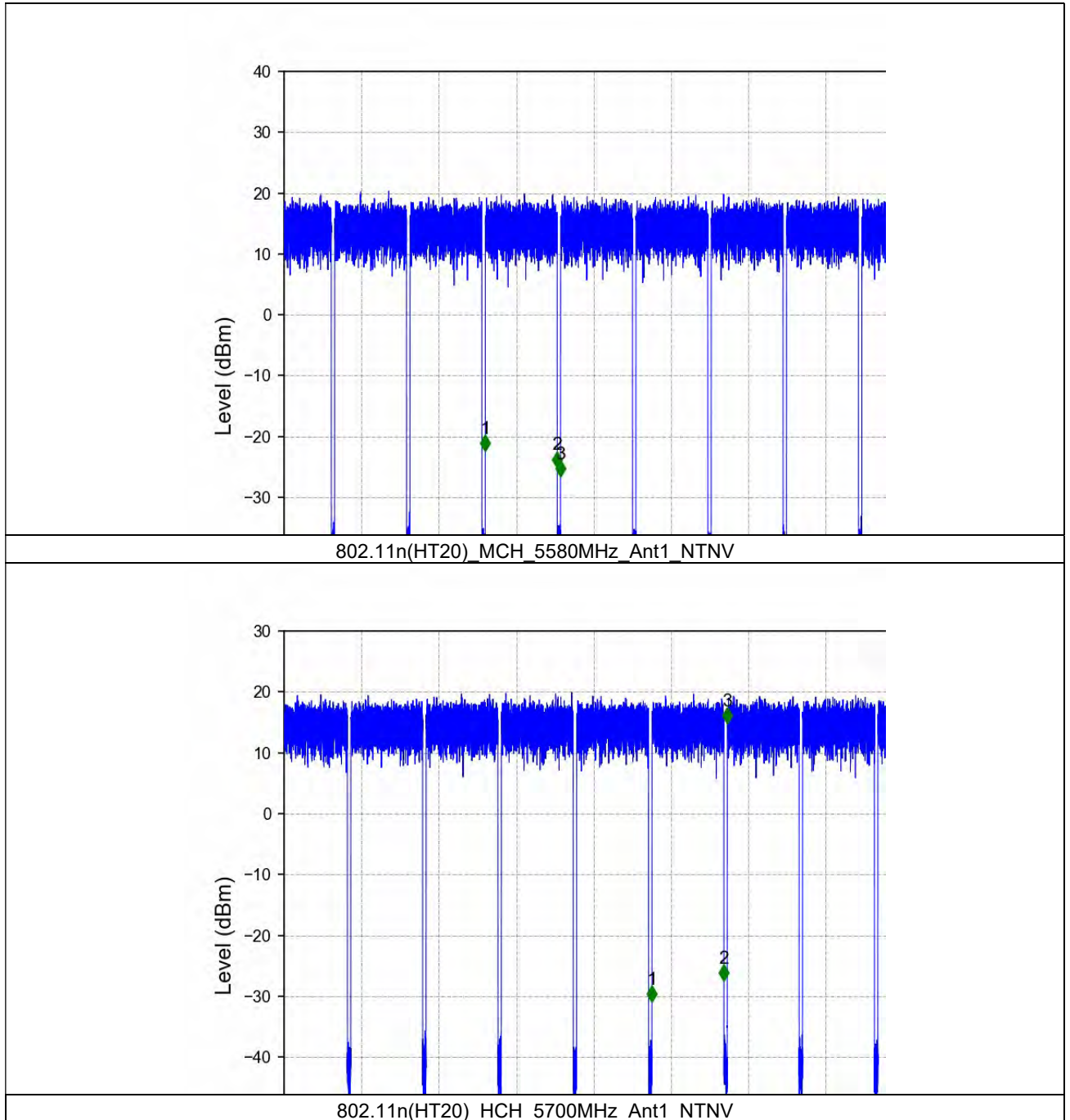
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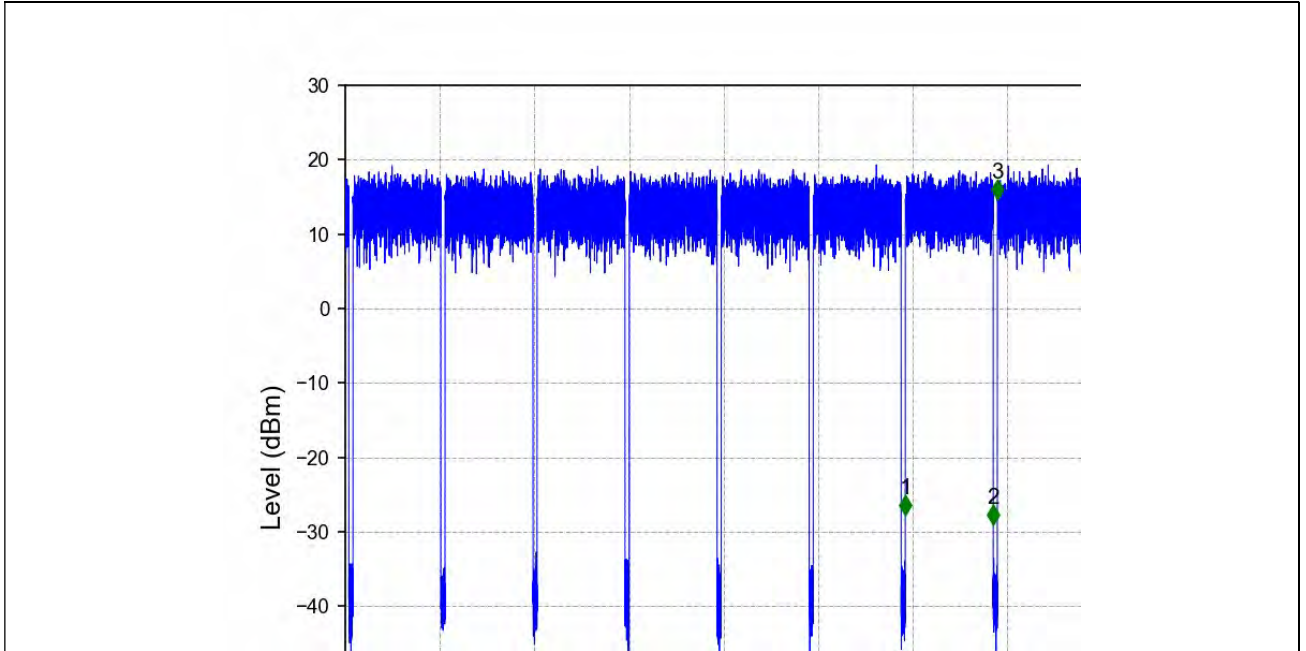


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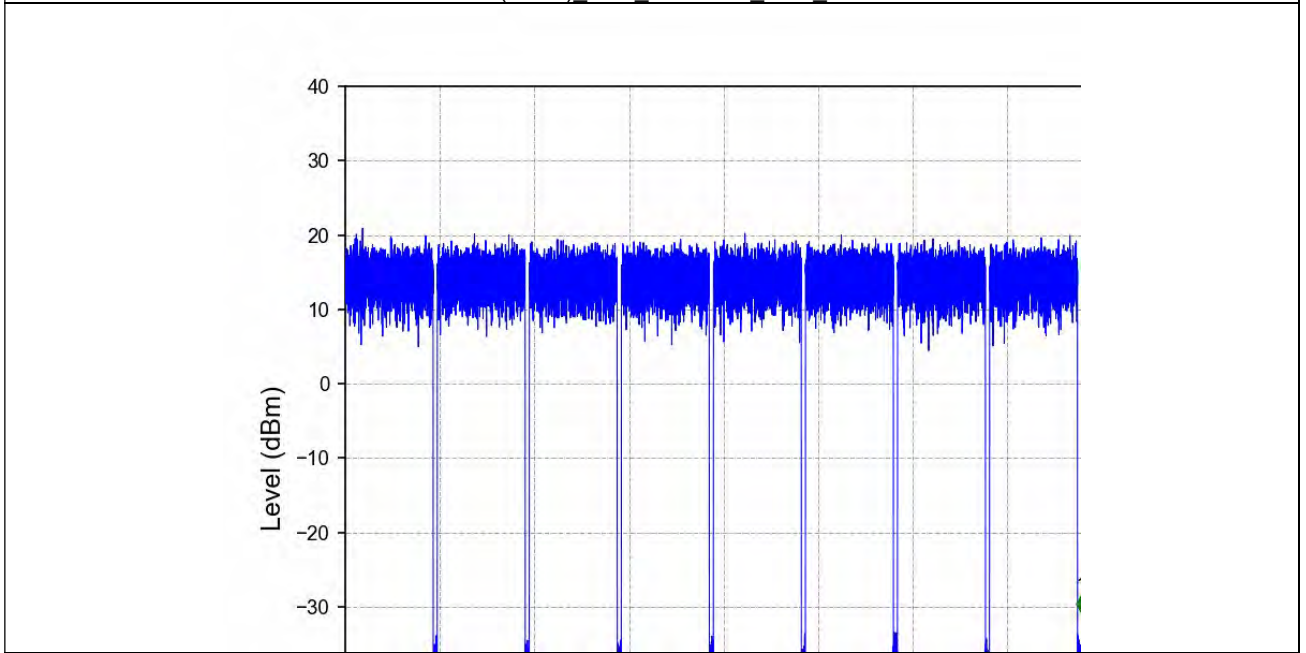
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802.11n(HT20) MCH 5785MHz Ant1 NTN

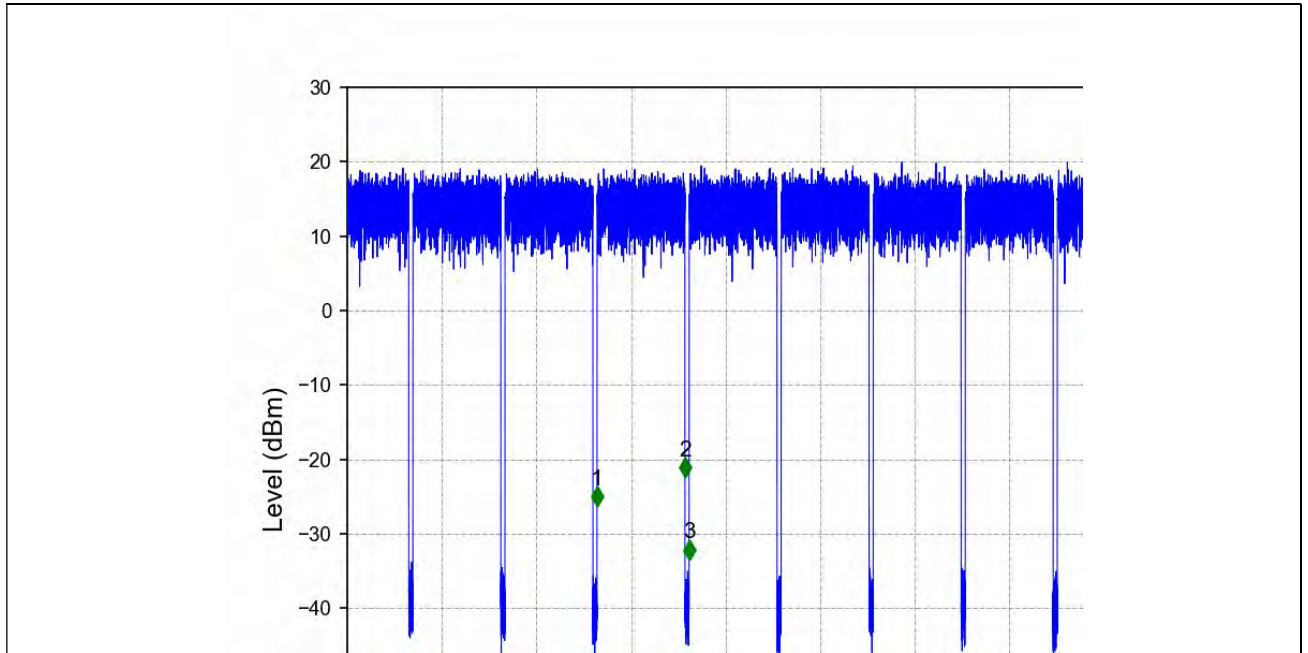


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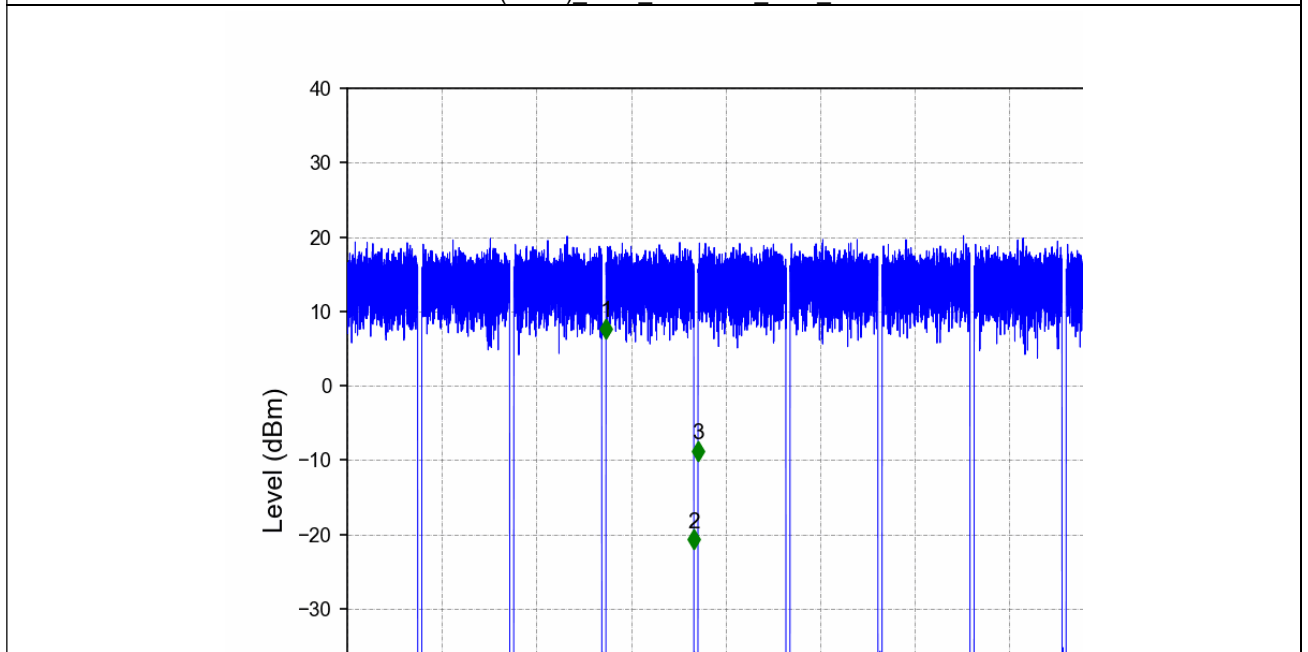
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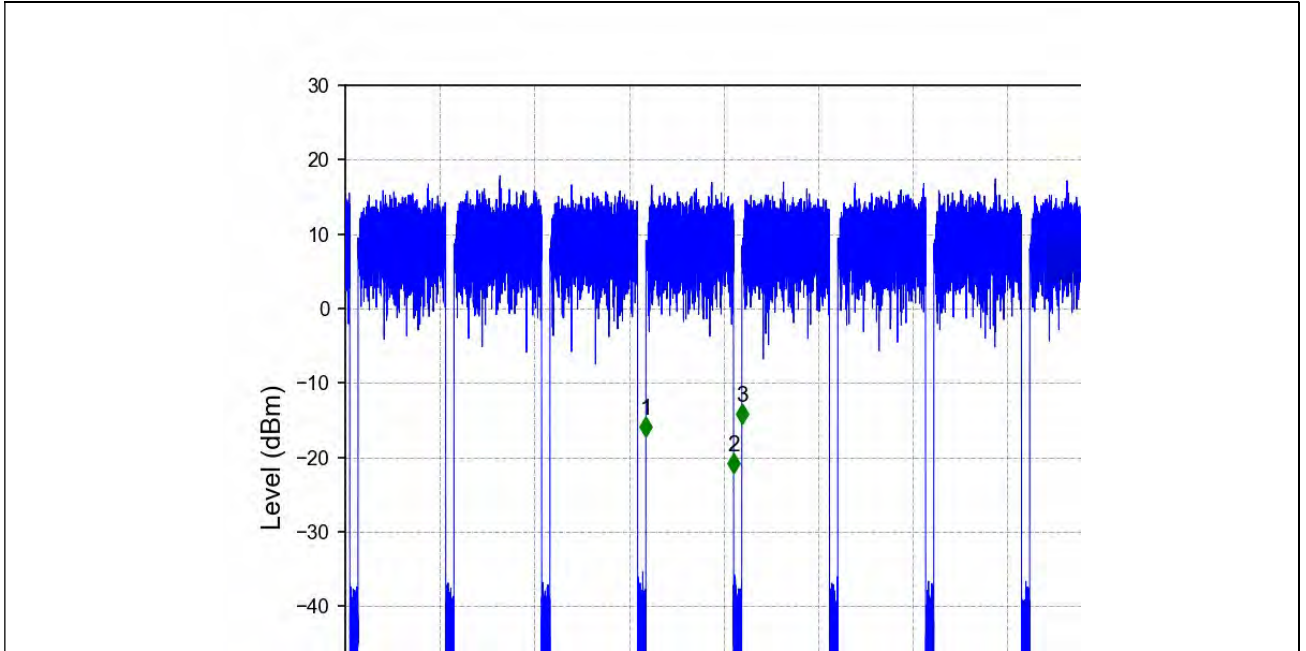


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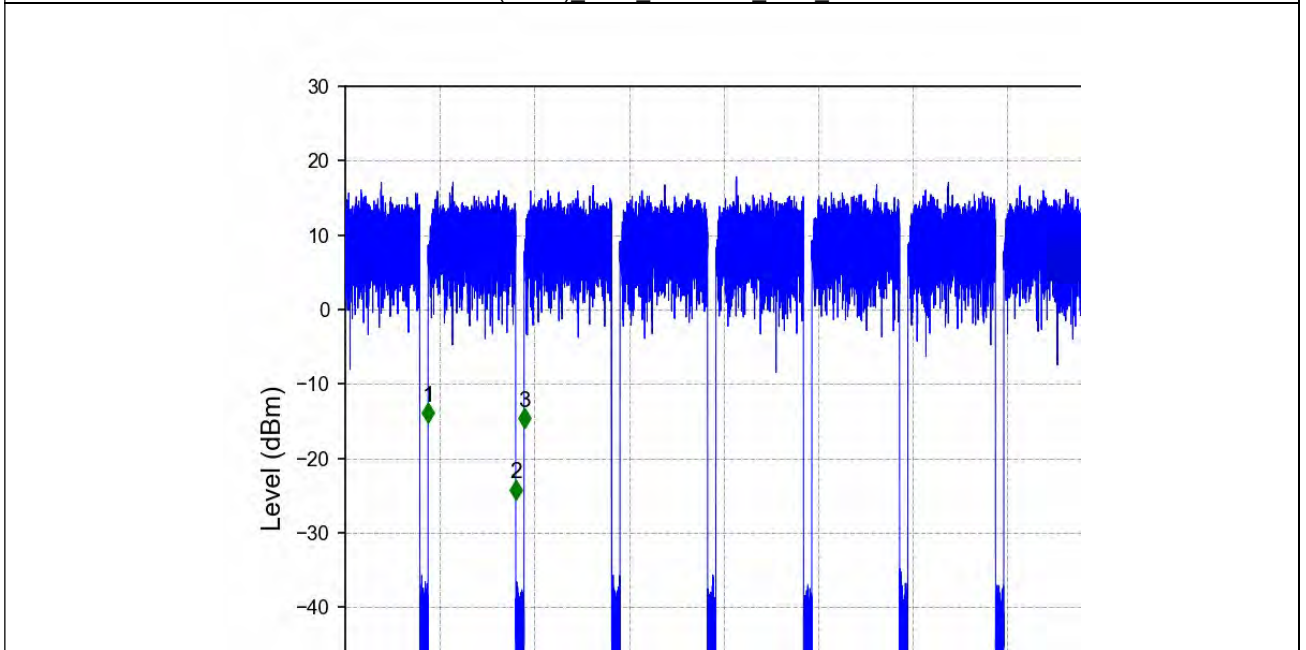


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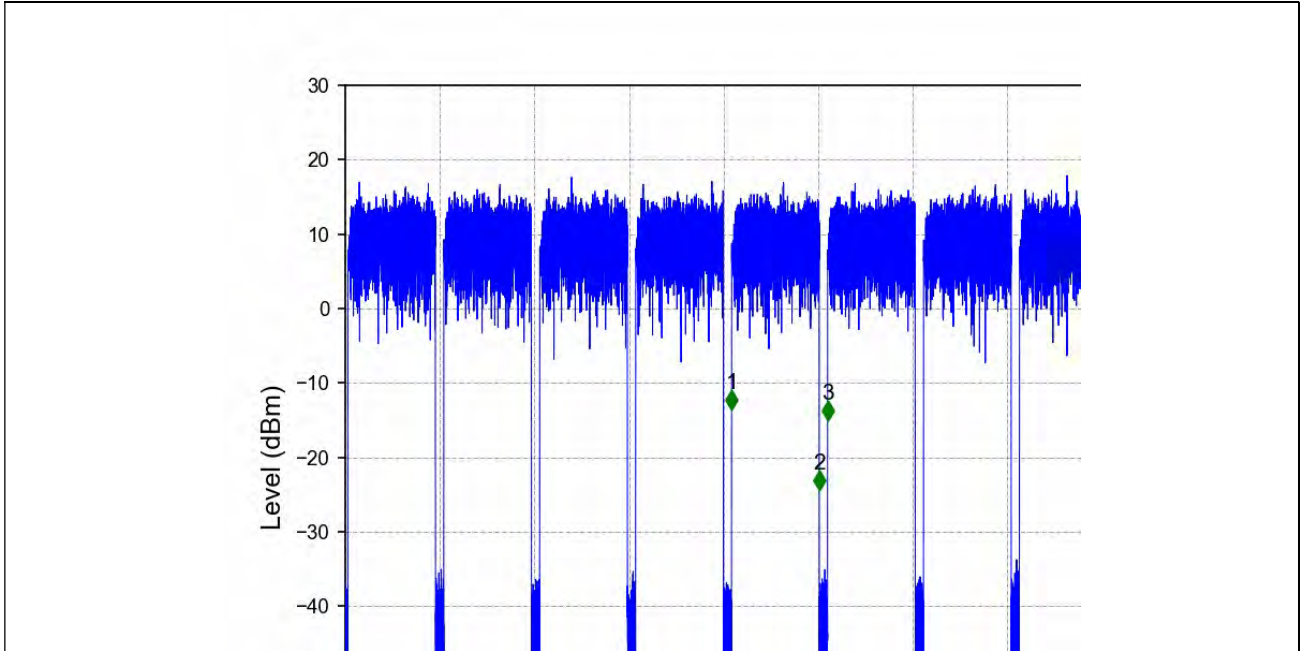
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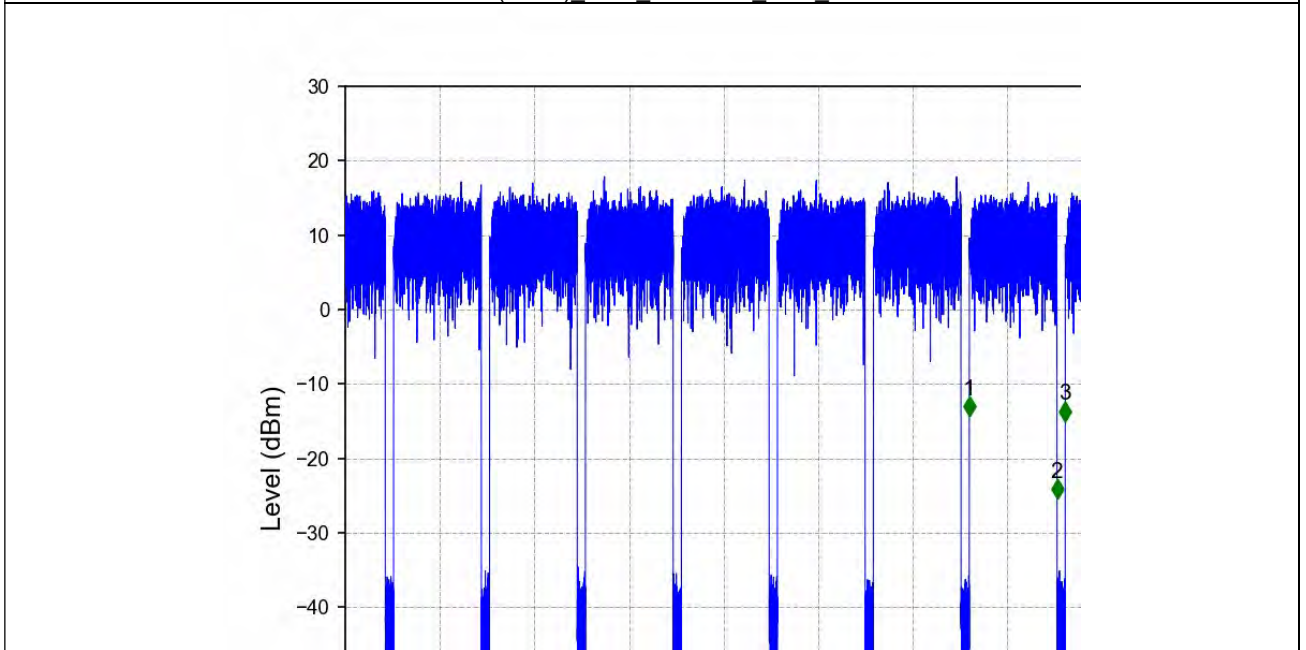
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802.11n(HT40) HCH 5310MHz_Ant1_NTNV



802.11n(HT40) LCH 5510MHz_Ant1_NTNV

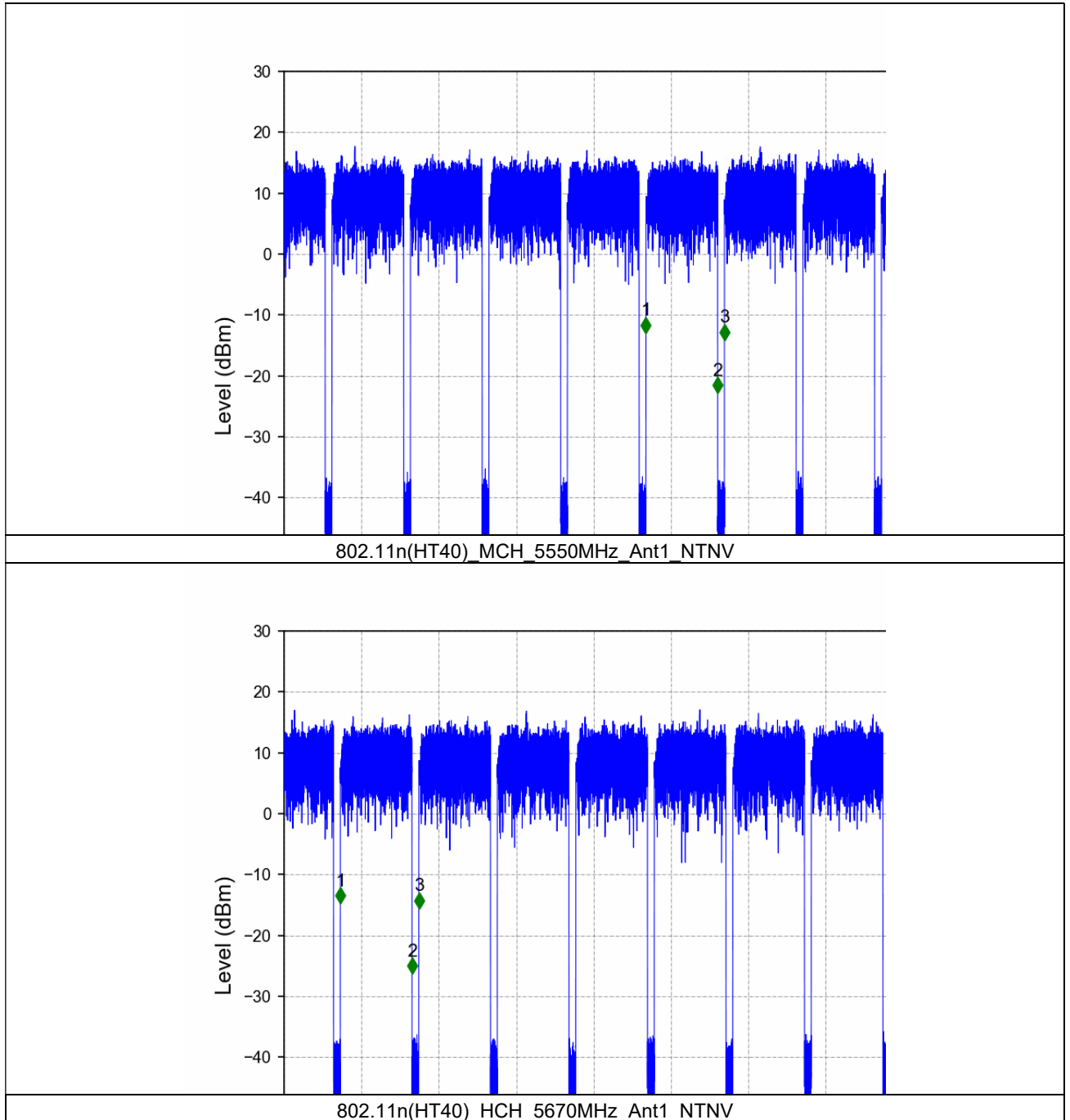


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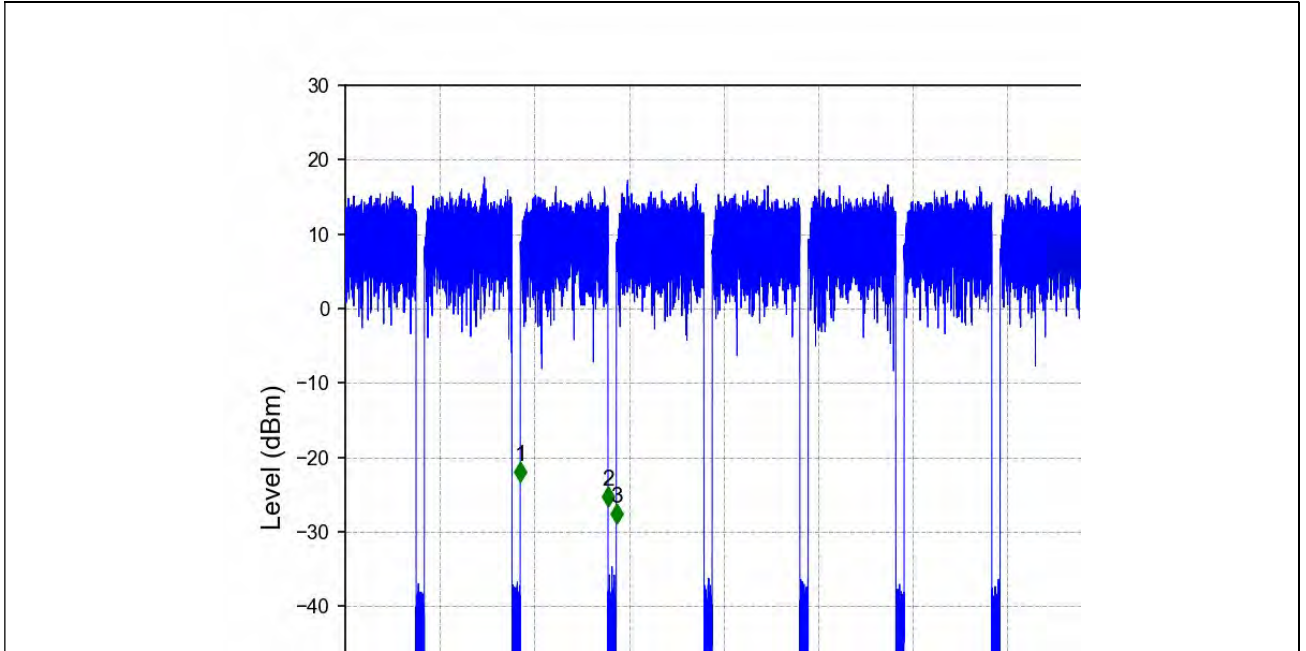


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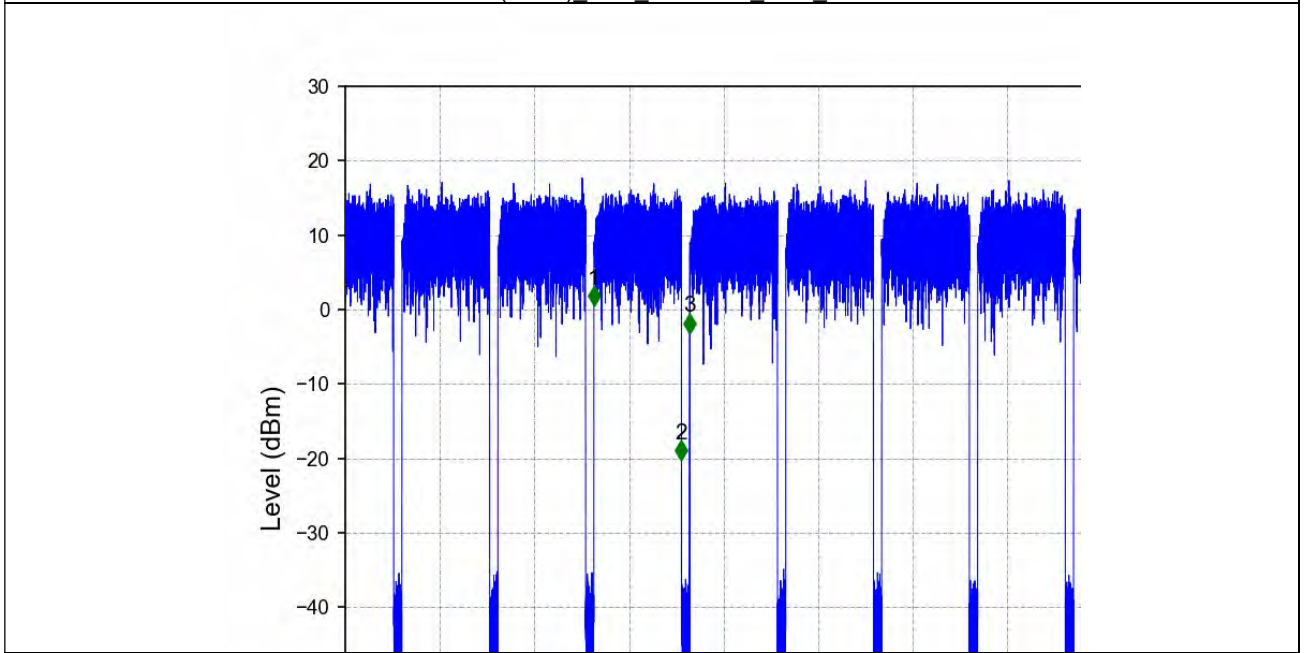
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802.11n(HT40) LCH 5755MHz_Ant1_NTNV

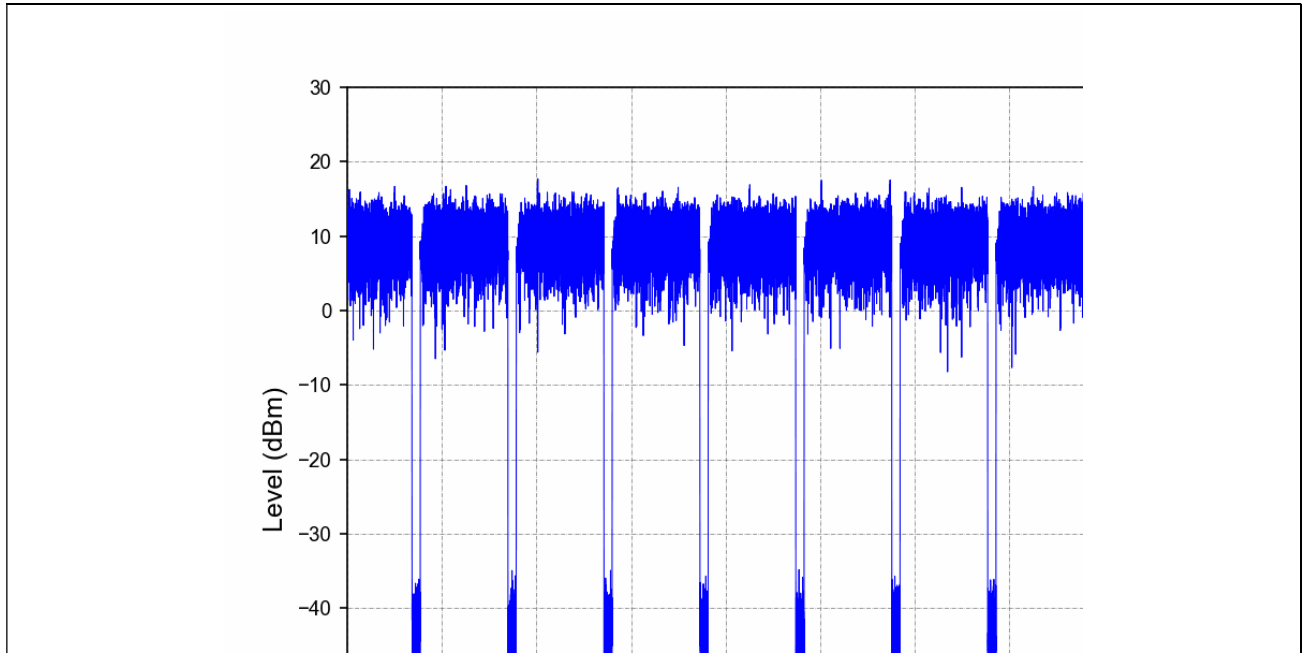


802.11n(HT40) HCH 5795MHz_Ant1_NTNV

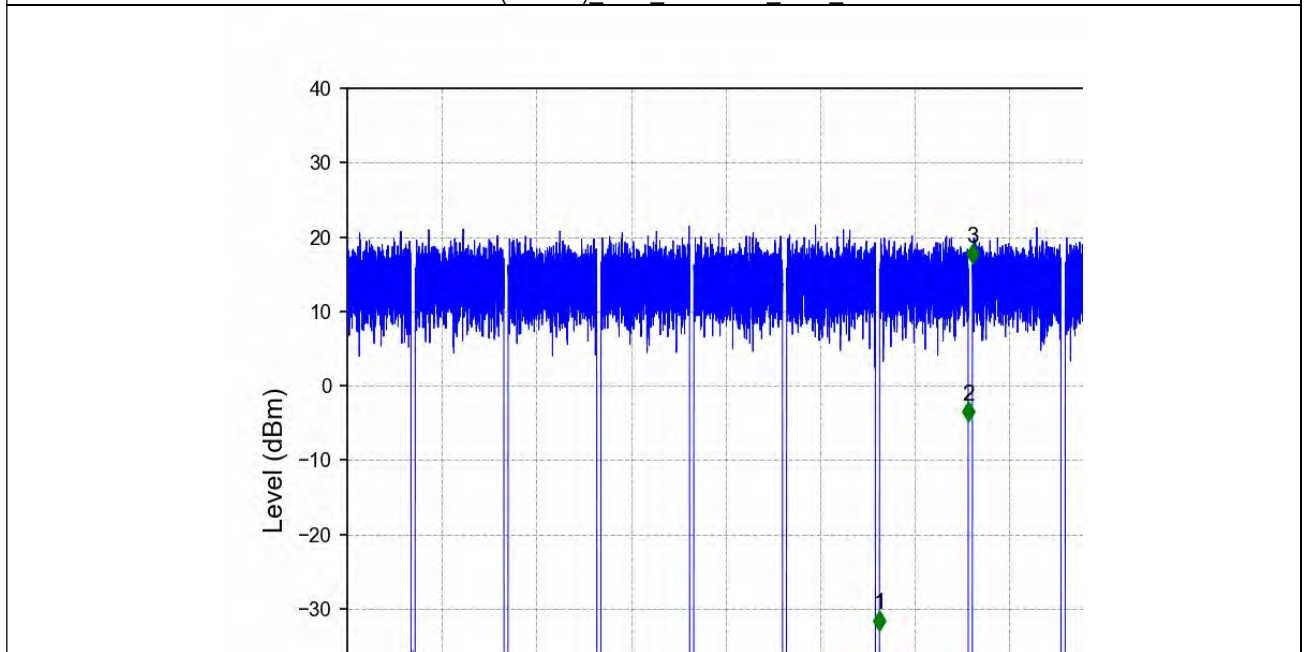


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802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV

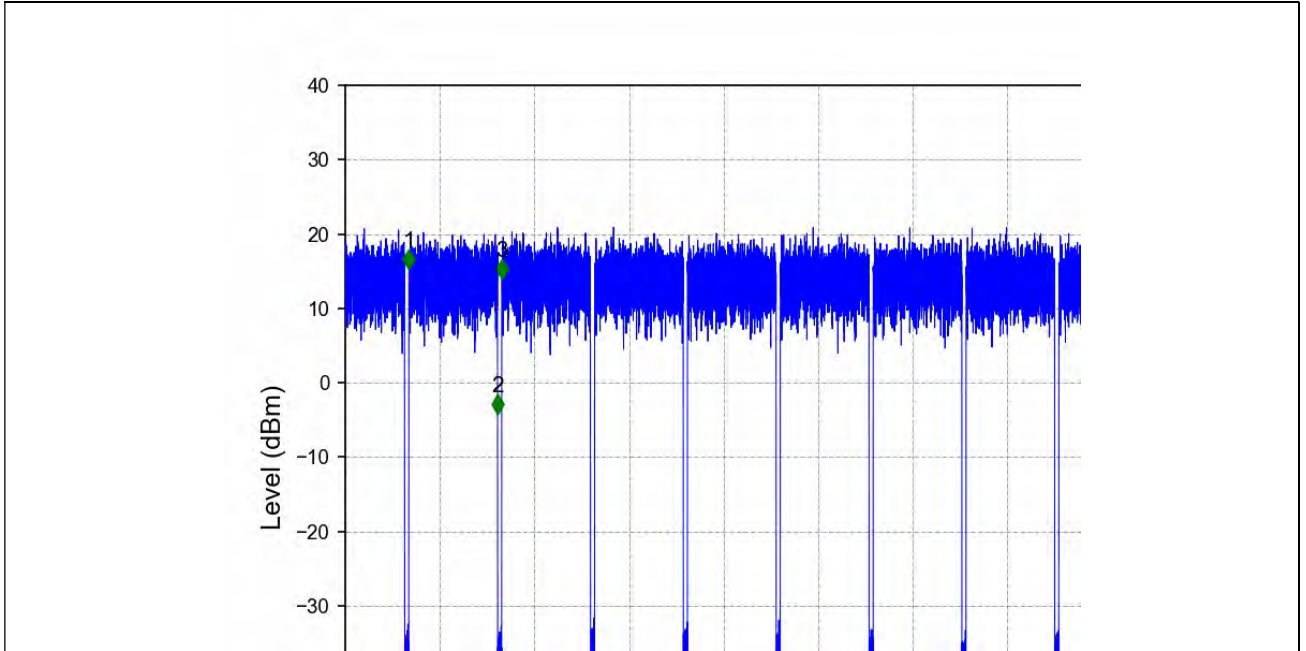


802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV

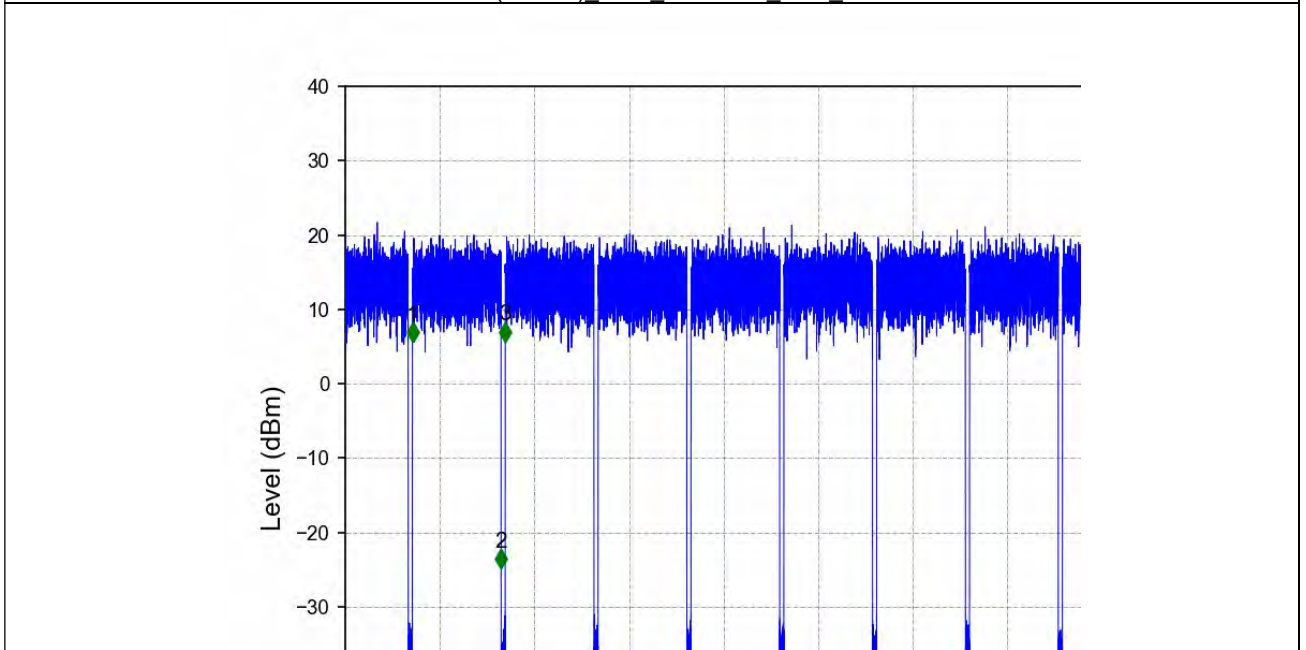


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802.11ac(VHT20) HCH 5240MHz Ant1 NTV



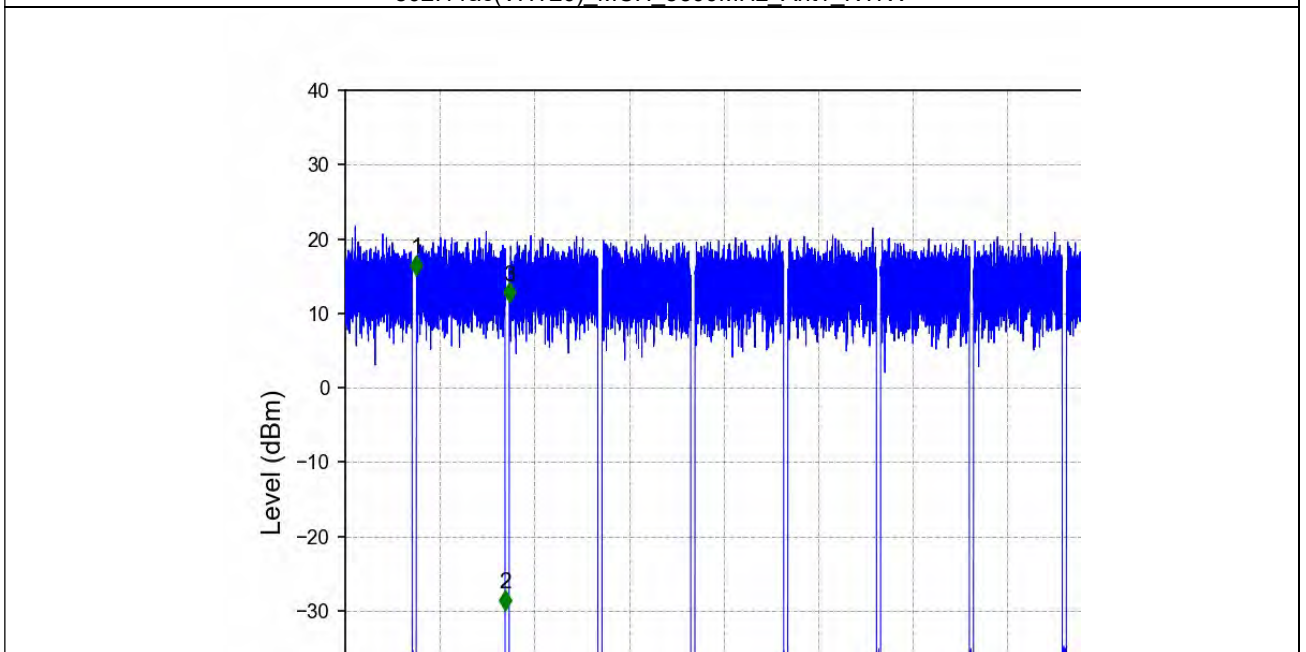
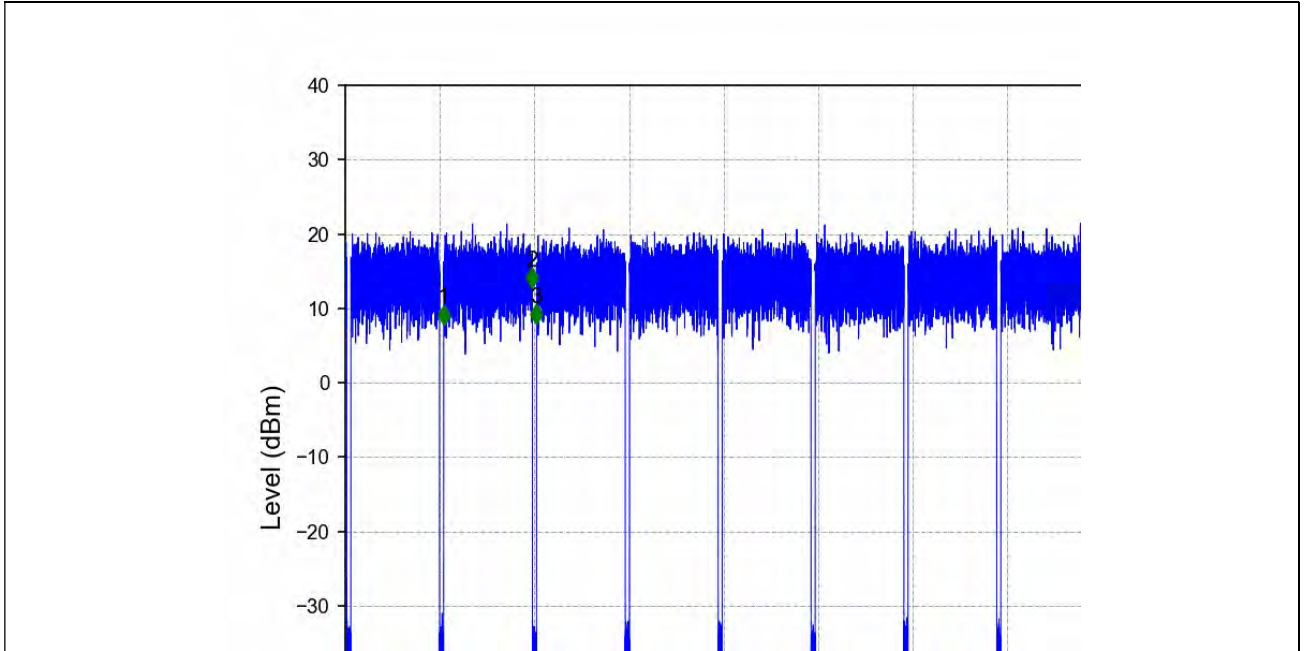
802.11ac(VHT20) LCH 5260MHz Ant1 NTV



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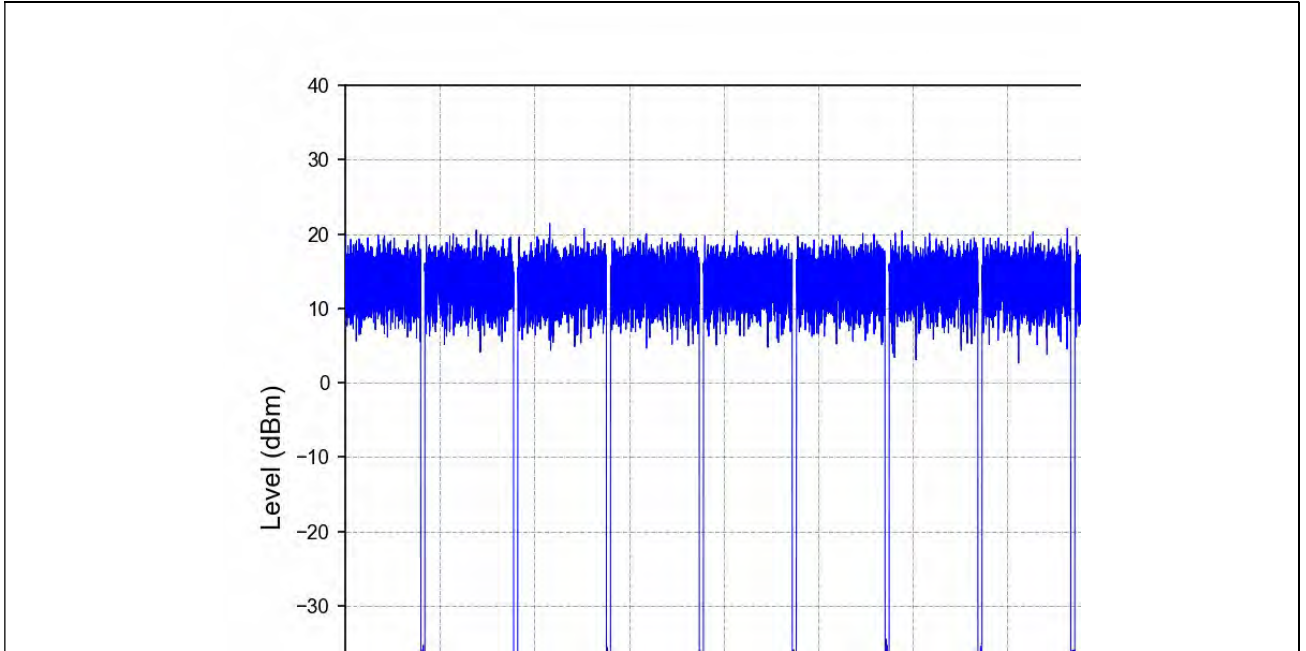
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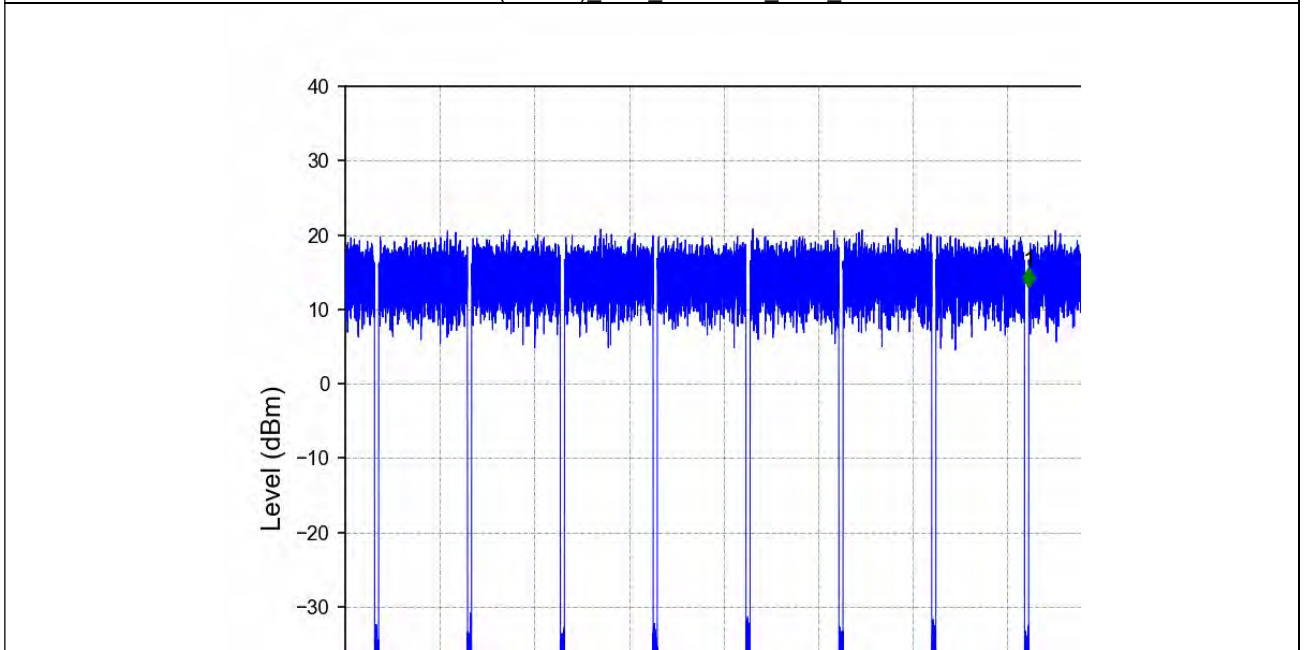
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802.11ac(VHT20) LCH 5500MHz Ant1 NTNv



802.11ac(VHT20) MCH 5580MHz Ant1 NTNv

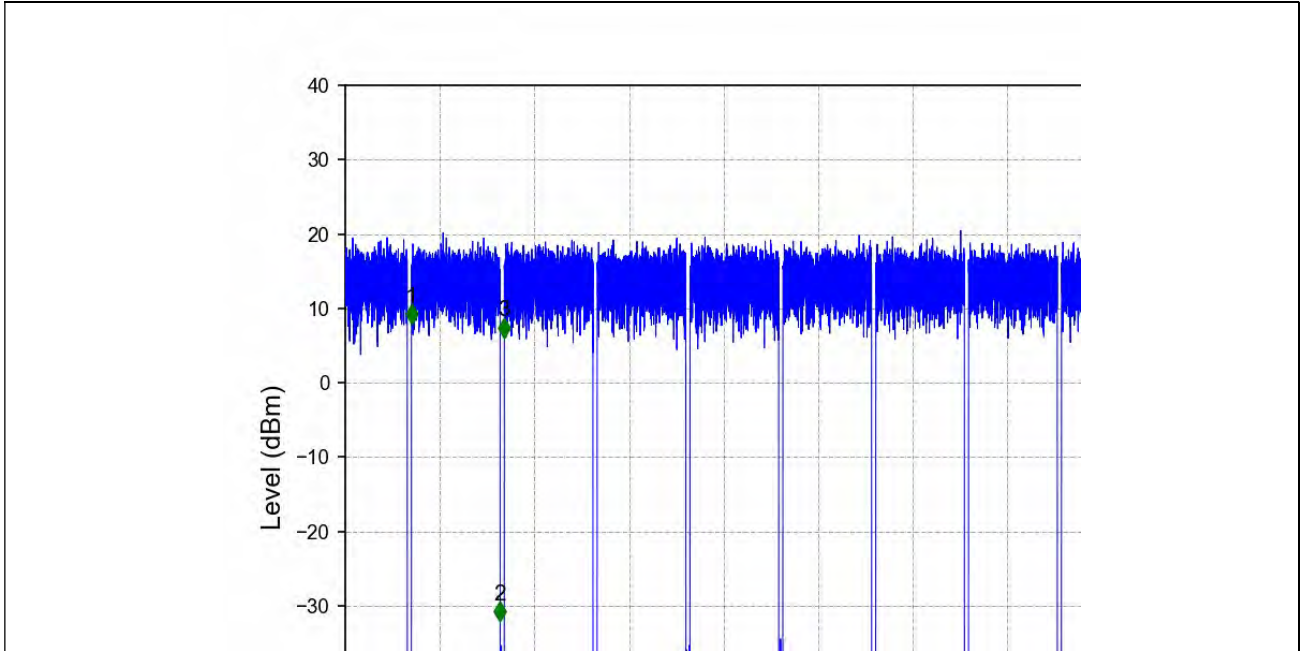


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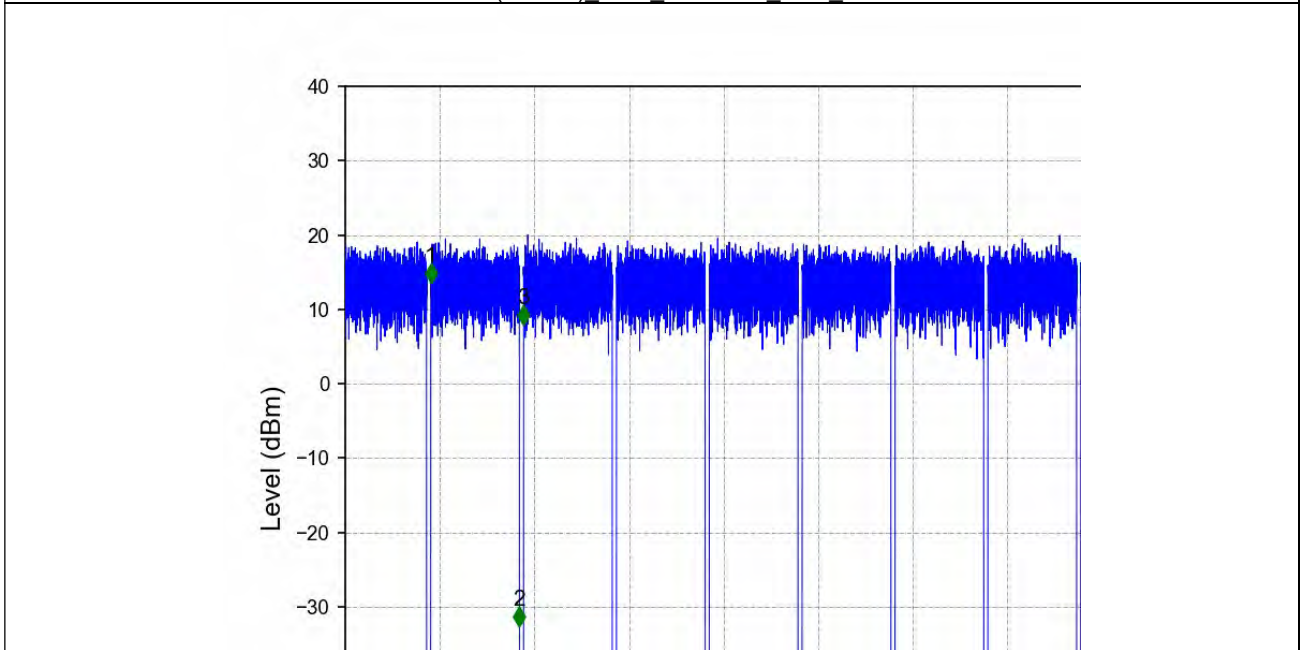
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802.11ac(VHT20) HCH 5700MHz Ant1 NTV



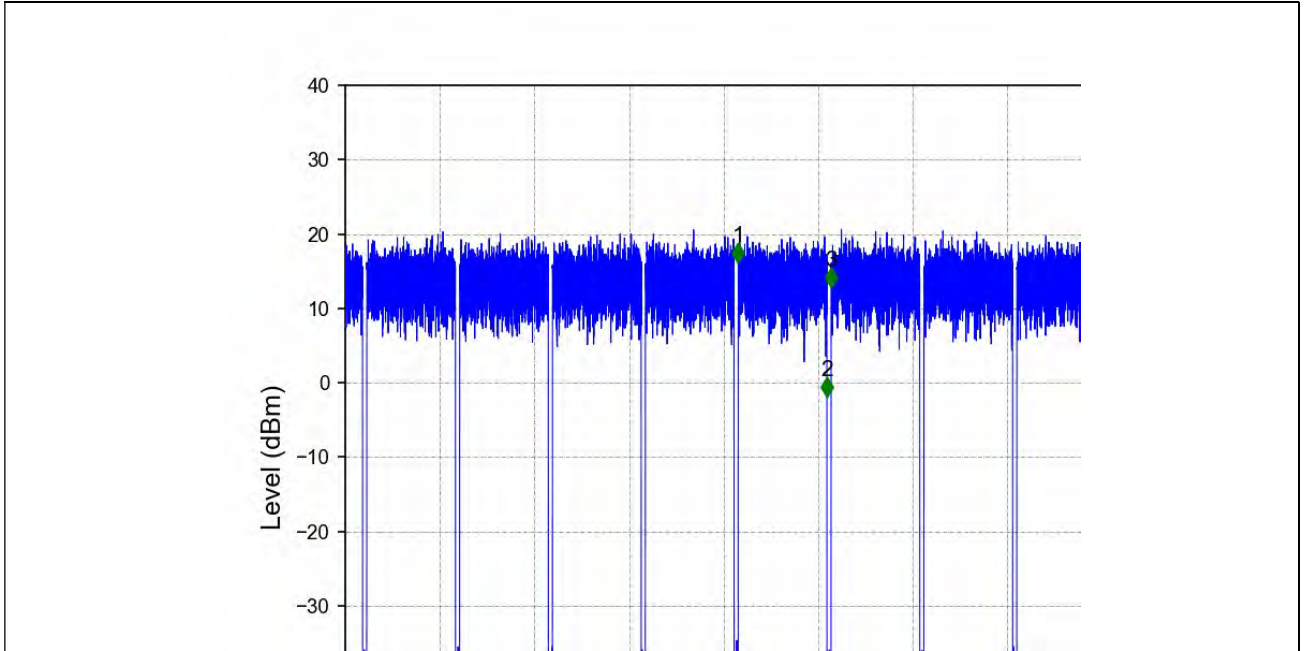
802.11ac(VHT20) LCH 5745MHz Ant1 NTV



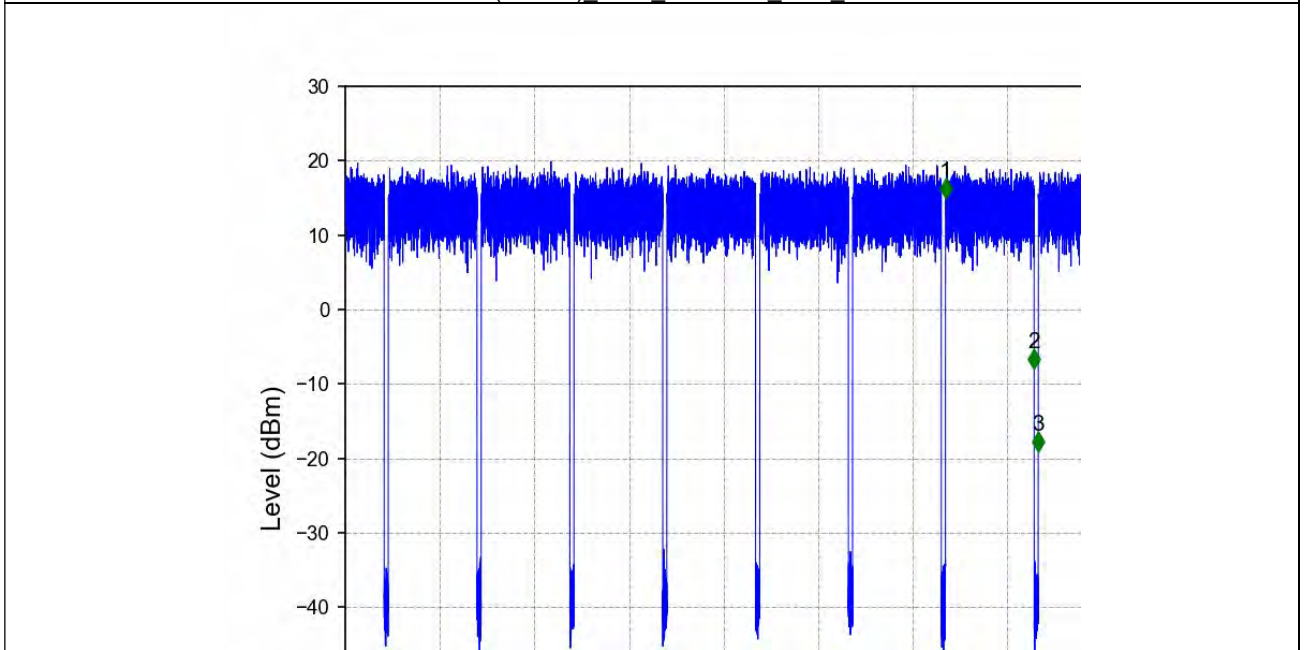
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802.11ac(VHT20) MCH 5785MHz Ant1 NTV

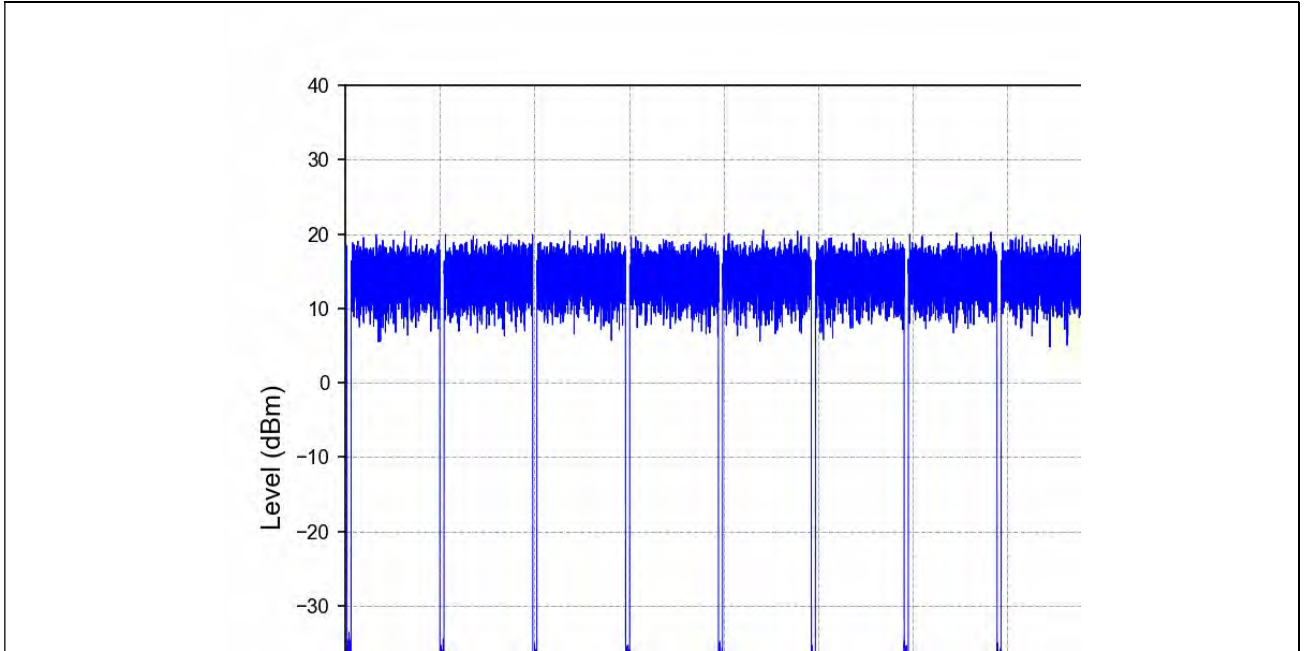


802.11ac(VHT20) HCH 5825MHz Ant1 NTV

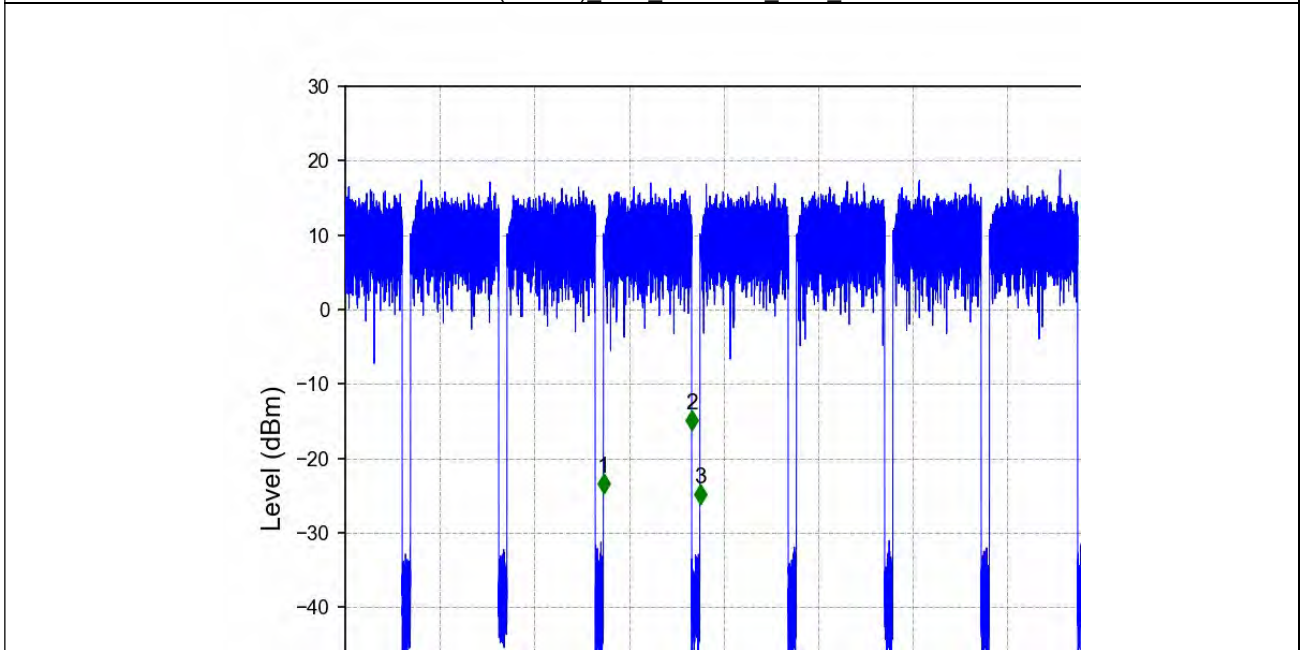


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802.11ac(VHT40) LCH 5190MHz Ant1 NTNv



802.11ac(VHT40) HCH 5230MHz Ant1 NTNv

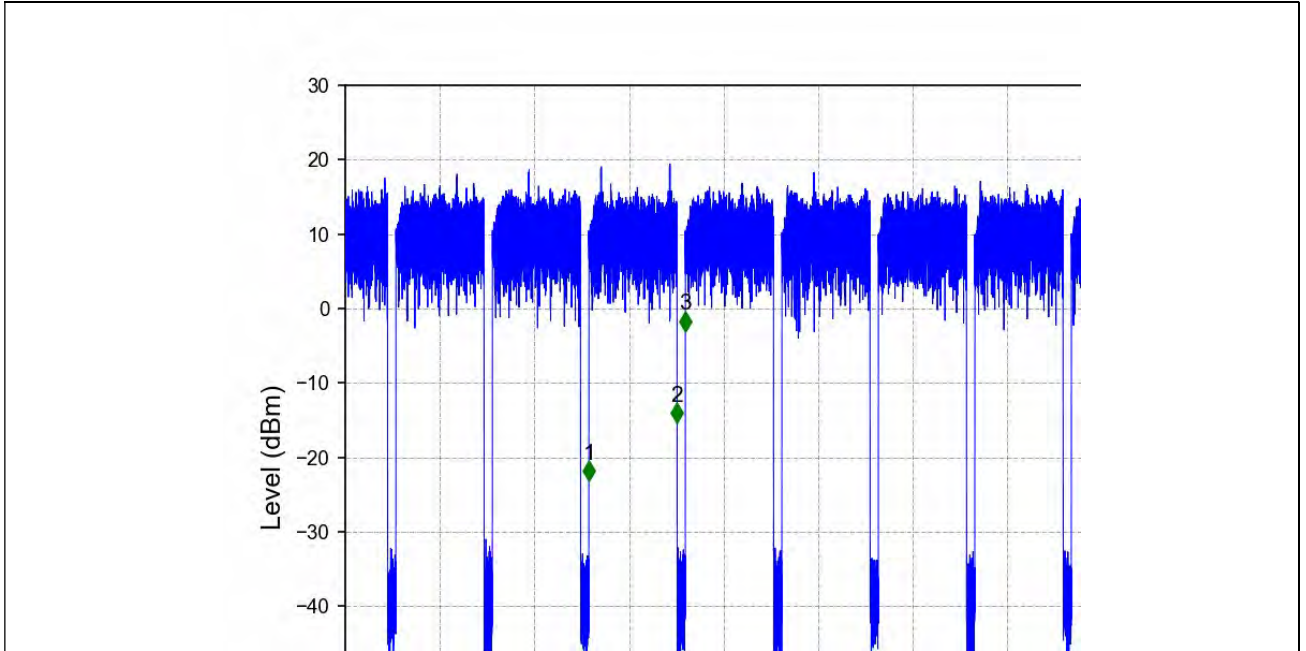


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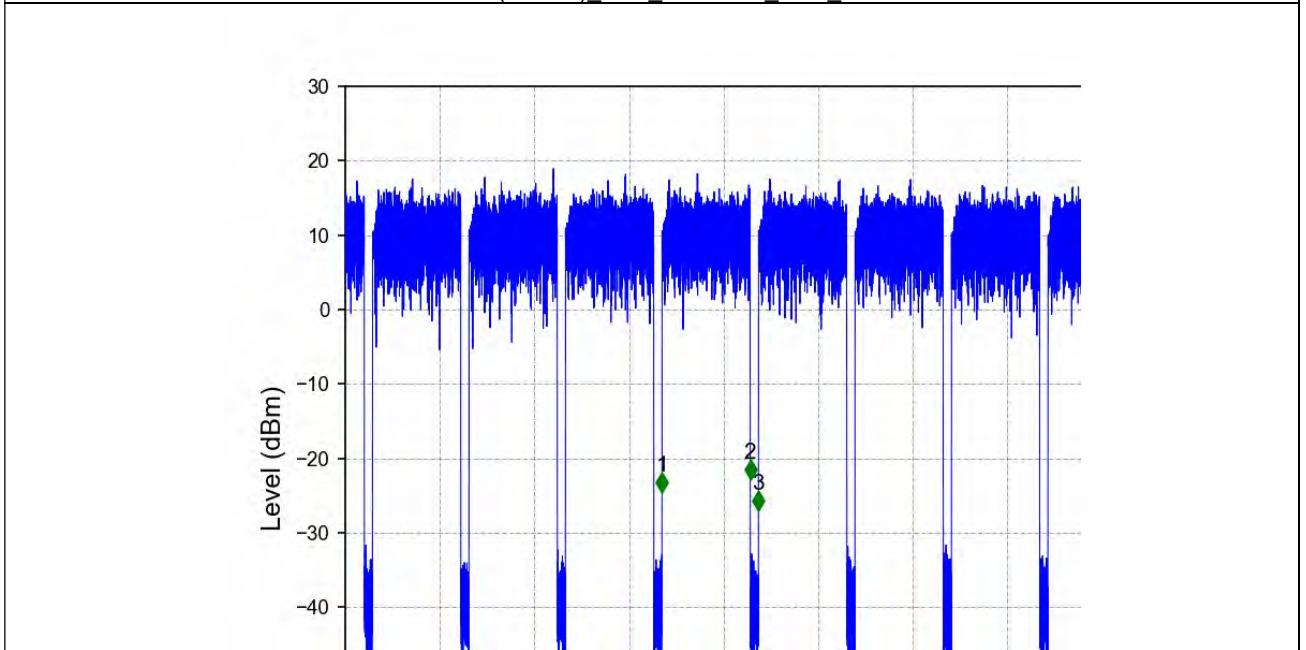
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802.11ac(VHT40) LCH 5270MHz Ant1 NTNv



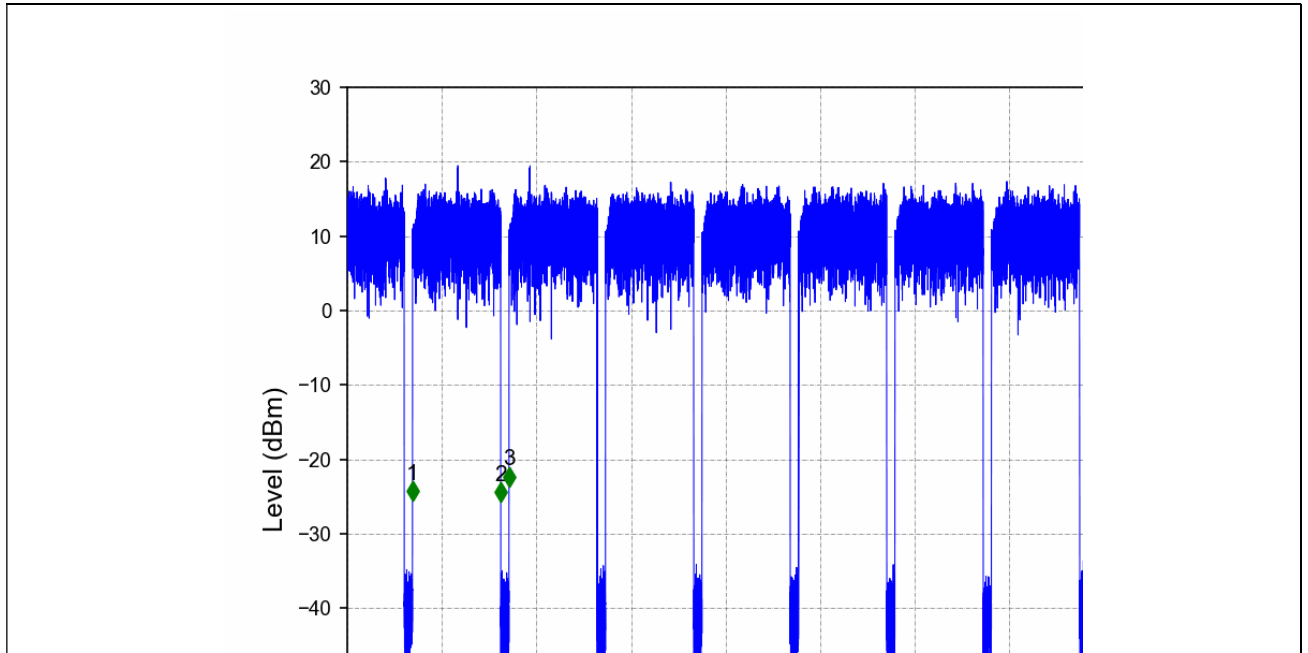
802.11ac(VHT40) HCH 5310MHz Ant1 NTNv



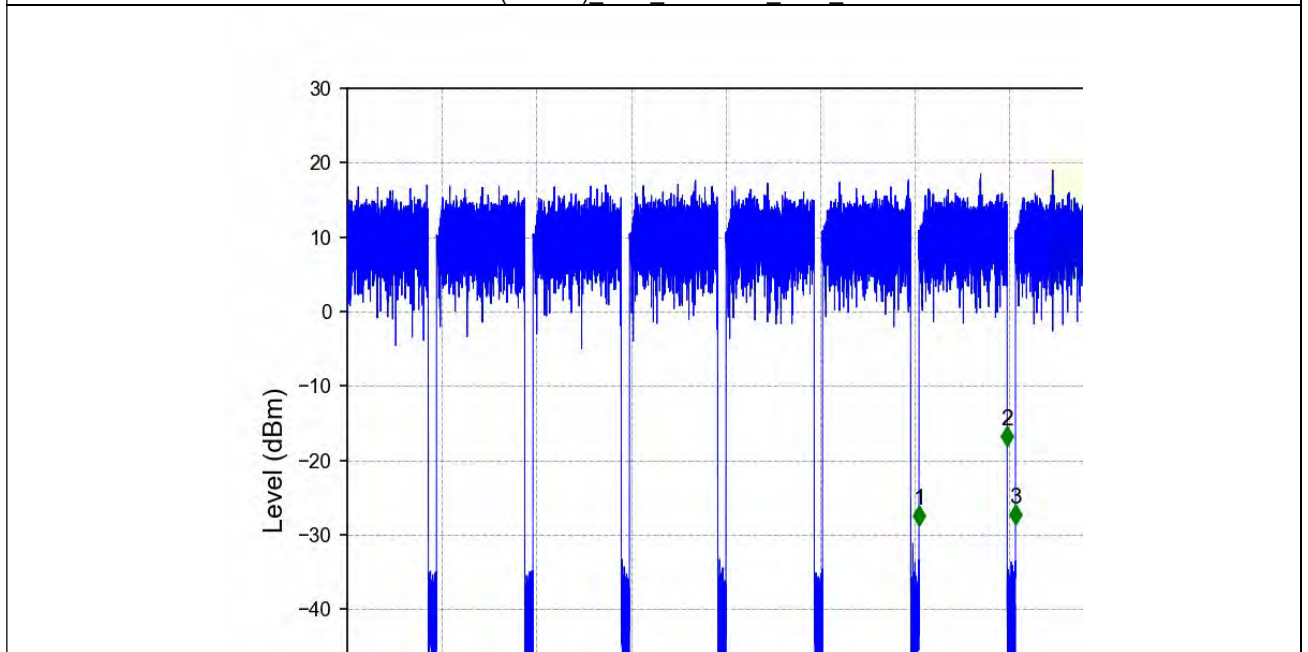
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802.11ac(VHT40) LCH 5510MHz Ant1 NTNv



802.11ac(VHT40) MCH 5550MHz Ant1 NTNv

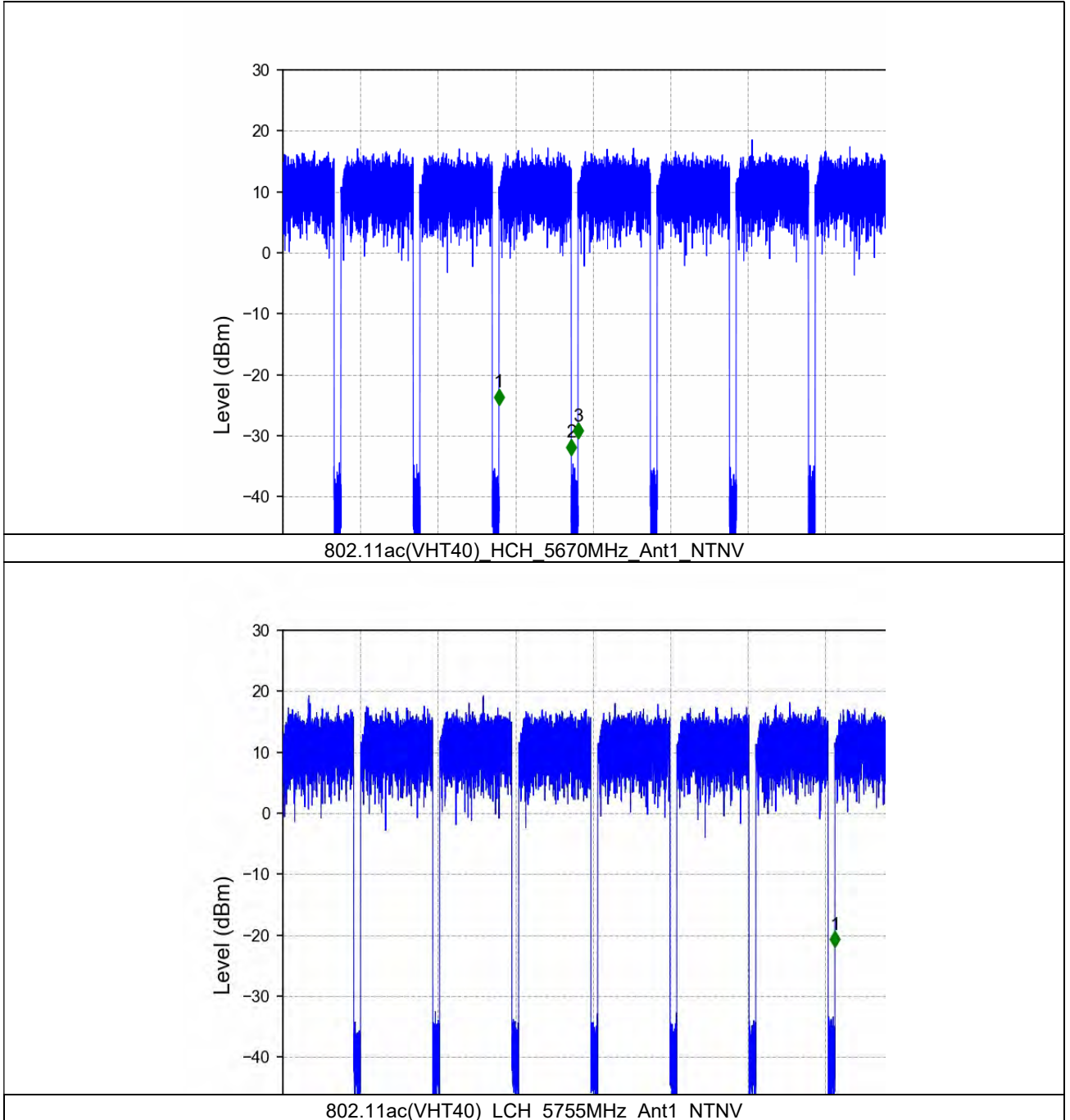


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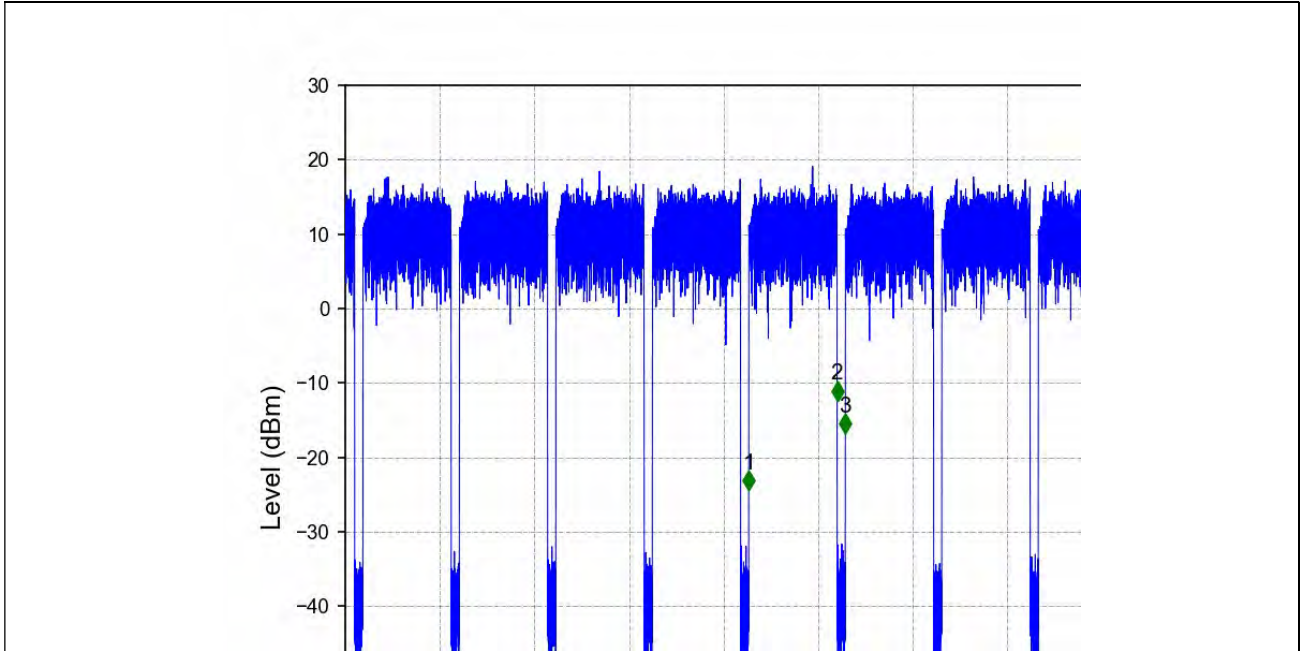


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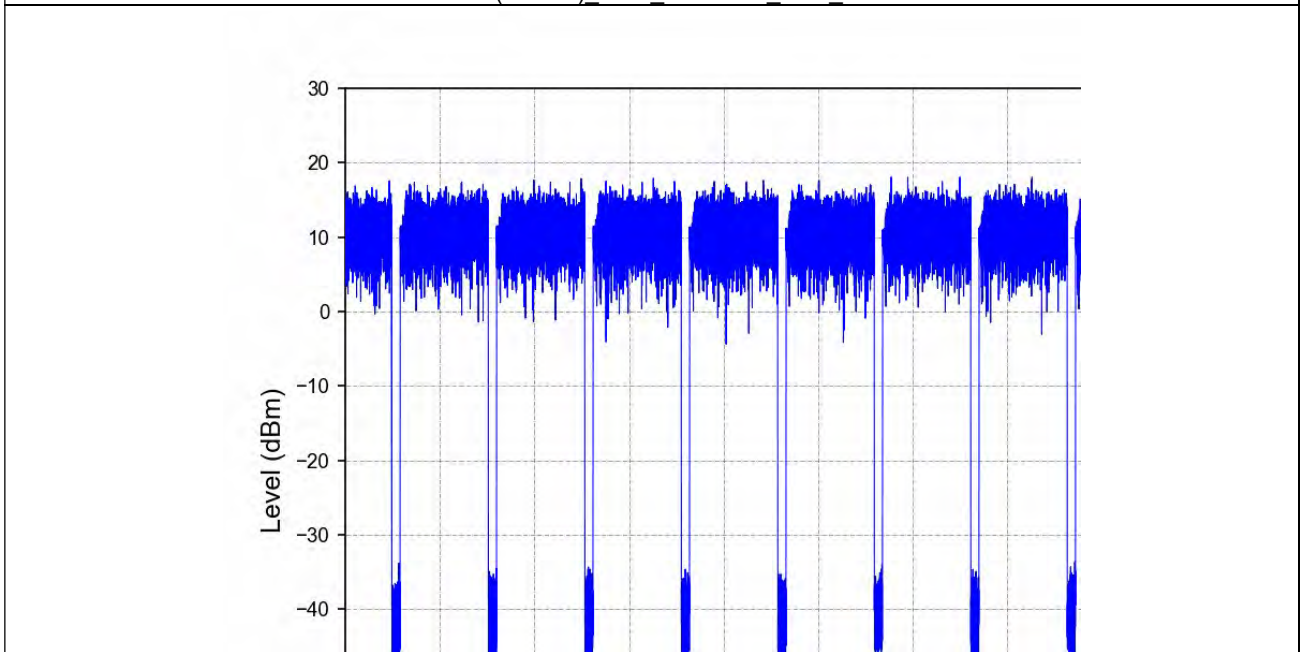
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802.11ac(VHT80) MCH 5210MHz Ant1 NTV

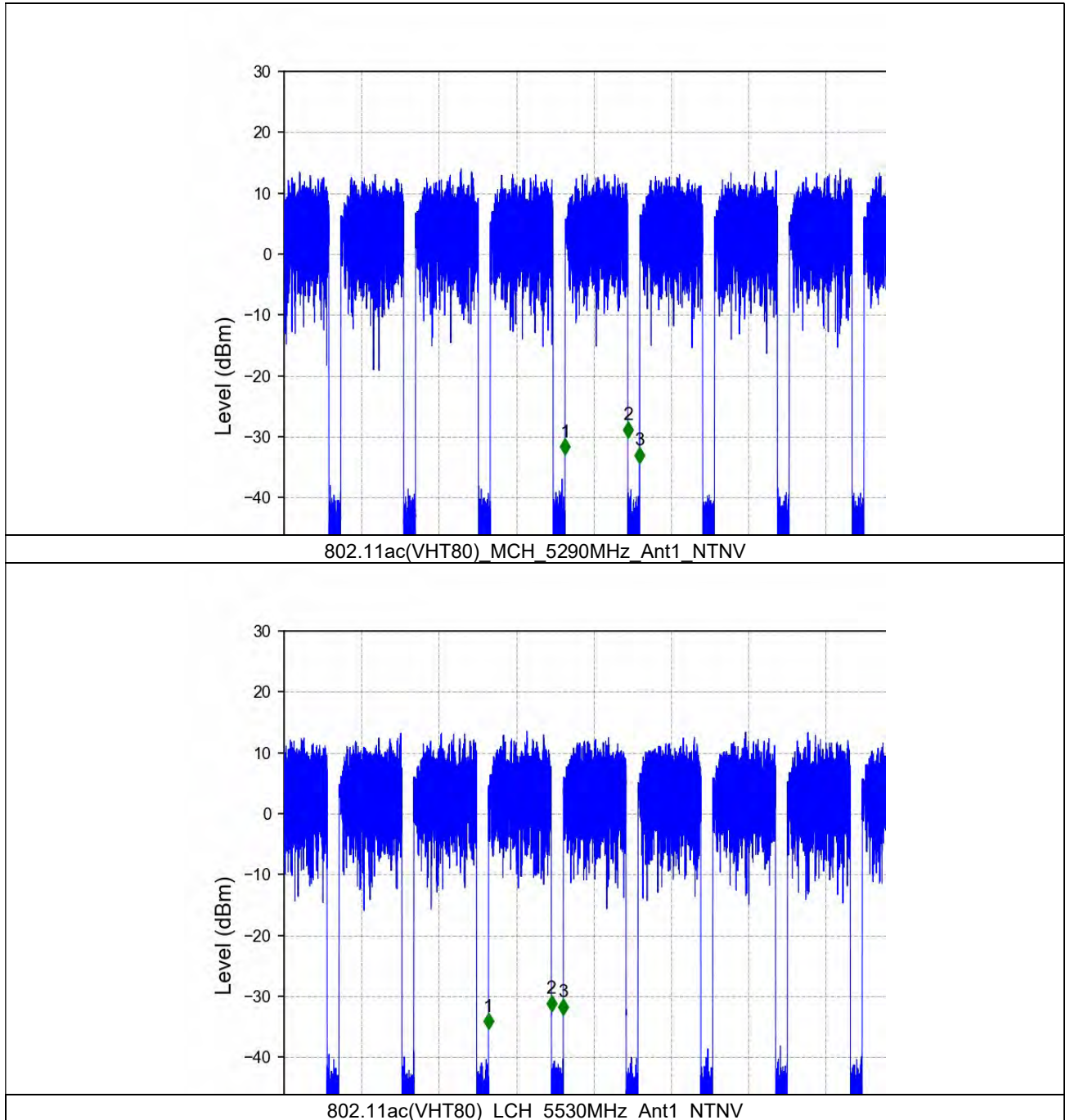


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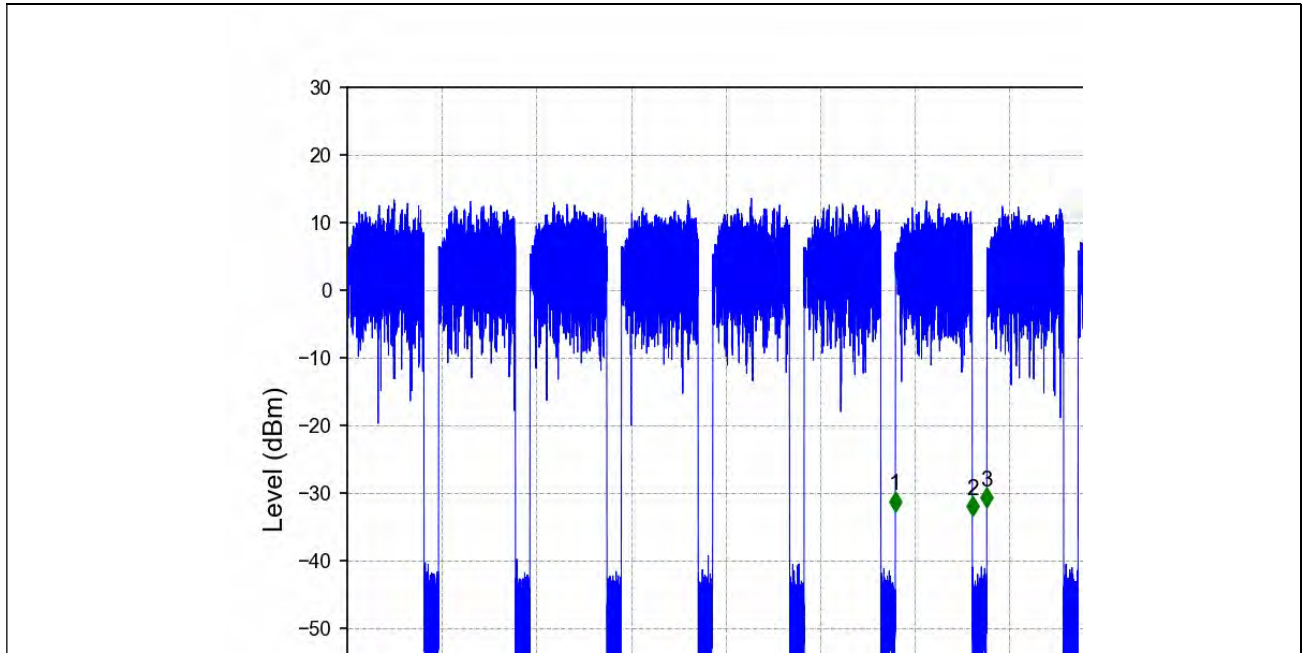


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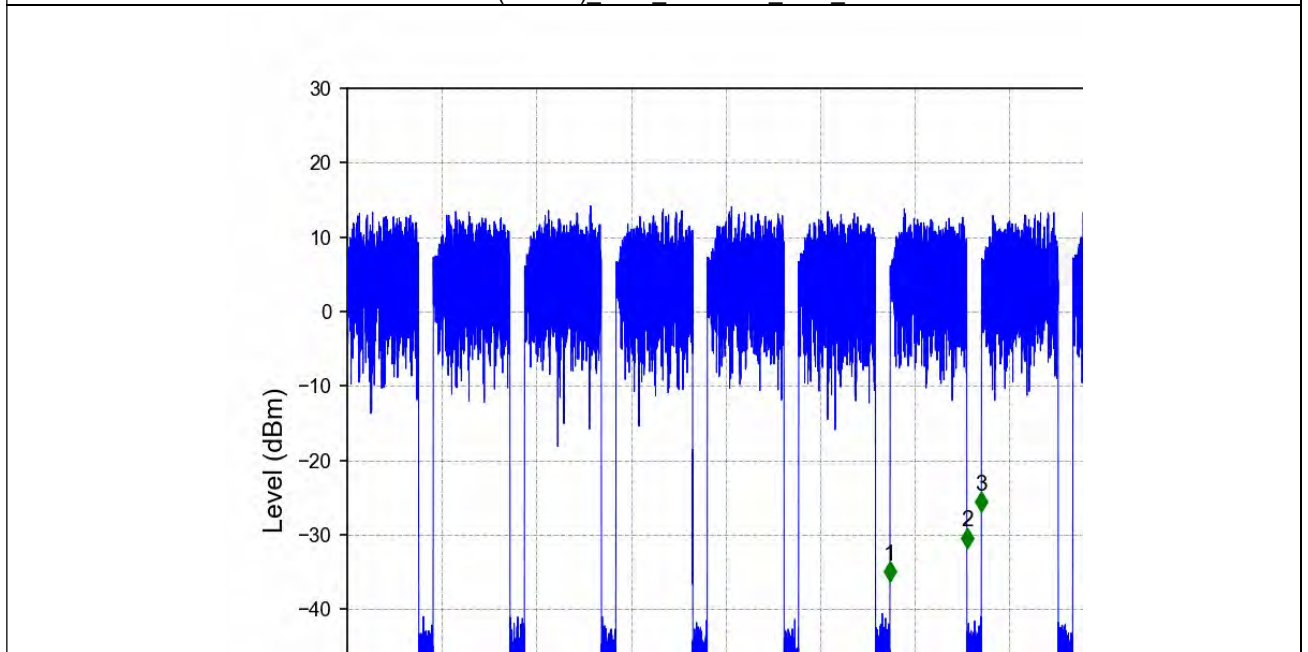
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802.11ac(VHT80) HCH 5610MHz Ant1_NTNV



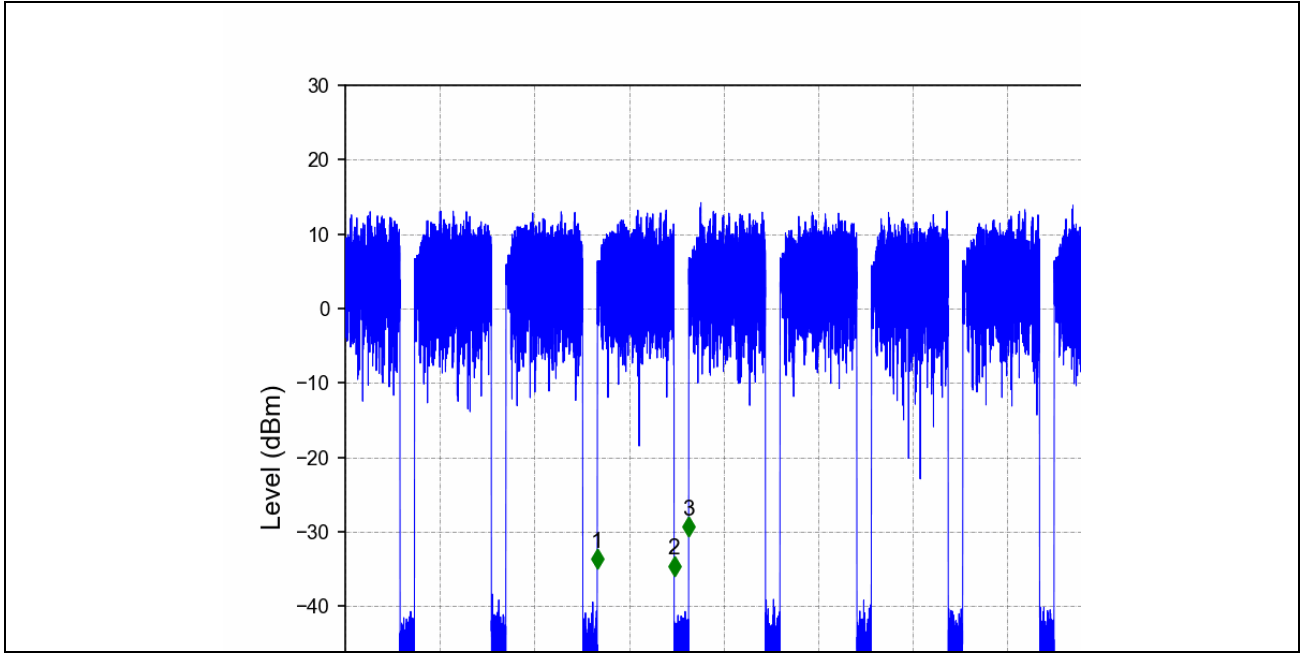
802.11ac(VHT80) MCH 5775MHz Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result		
802.11a	SISO	5180	1	17.309	Pass	
			2	17.420	Pass	
		5200	1	17.284	Pass	
			2	17.531	Pass	
		5240	1	17.403	Pass	
			2	17.697	Pass	
		5260	1	17.307	Pass	
			2	17.562	Pass	
		5300	1	17.455	Pass	
			2	17.767	Pass	
		5320	1	17.537	Pass	
			2	18.205	Pass	
		5500	1	17.604	Pass	
			2	17.366	Pass	
		5580	1	18.231	Pass	
			2	17.678	Pass	
		5700	1	17.559	Pass	
			2	17.227	Pass	
		5745	1	17.556	Pass	
			2	17.203	Pass	
5785	1	17.591	Pass			
	2	17.704	Pass			
5825	1	17.242	Pass			
	2	17.364	Pass			
802.11n (HT20)	MIMO	5180	1	18.279	Pass	
			2	18.237	Pass	
		5200	1	18.257	Pass	
			2	18.270	Pass	
		5240	1	18.222	Pass	
			2	18.205	Pass	
		5260	1	18.283	Pass	
			2	18.343	Pass	
		5300	1	18.329	Pass	
			2	18.275	Pass	
		5320	1	18.449	Pass	
			2	18.397	Pass	



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR221000189002

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		5500	1	18.592	Pass		
			2	18.610	Pass		
		5580	1	19.013	Pass		
			2	19.131	Pass		
		5700	1	18.360	Pass		
			2	18.342	Pass		
		5745	1	18.289	Pass		
			2	18.308	Pass		
		5785	1	18.392	Pass		
			2	18.377	Pass		
		5825	1	18.562	Pass		
			2	18.558	Pass		
		802.11n (HT40)	MIMO	5190	1	36.718	Pass
					2	36.809	Pass
5230	1			36.749	Pass		
	2			36.851	Pass		
5270	1			36.694	Pass		
	2			36.722	Pass		
5310	1			36.900	Pass		
	2			36.900	Pass		
5510	1			36.960	Pass		
	2			36.927	Pass		
5550	1			37.487	Pass		
	2			37.485	Pass		
5670	1			37.162	Pass		
	2			37.173	Pass		
5755	1			36.884	Pass		
	2			36.941	Pass		
5795	1			37.216	Pass		
	2			37.229	Pass		
802.11ac (VHT20)	MIMO	5180	1	18.217	Pass		
			2	18.086	Pass		
		5200	1	18.201	Pass		
			2	18.439	Pass		
		5240	1	18.226	Pass		
			2	18.262	Pass		
		5260	1	18.227	Pass		
			2	18.200	Pass		
		5300	1	18.281	Pass		
			2	18.319	Pass		
		5320	1	18.316	Pass		
			2	18.401	Pass		
		5500	1	18.627	Pass		
			2	18.482	Pass		
		5580	1	18.831	Pass		
			2	19.062	Pass		



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Report No.: KSCR221000189002

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		5700	1	18.553	Pass		
			2	18.676	Pass		
		5745	1	18.256	Pass		
			2	18.293	Pass		
		5785	1	18.099	Pass		
			2	18.207	Pass		
		5825	1	18.187	Pass		
			2	18.102	Pass		
		802.11ac (VHT40)	MIMO	5190	1	36.384	Pass
					2	36.361	Pass
5230	1			36.346	Pass		
	2			36.346	Pass		
5270	1			36.376	Pass		
	2			36.332	Pass		
5310	1			36.648	Pass		
	2			36.800	Pass		
5510	1			36.792	Pass		
	2			36.870	Pass		
5550	1			37.595	Pass		
	2			37.178	Pass		
5670	1			36.800	Pass		
	2			36.739	Pass		
5755	1			36.456	Pass		
	2			36.408	Pass		
5795	1			36.732	Pass		
	2			36.917	Pass		
802.11ac (VHT80)	MIMO	5210	1	76.563	Pass		
			2	76.546	Pass		
		5290	1	76.414	Pass		
			2	76.620	Pass		
		5530	1	76.620	Pass		
			2	76.899	Pass		
		5610	1	76.715	Pass		
			2	76.680	Pass		
		5775	1	76.502	Pass		
			2	76.401	Pass		

2.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV

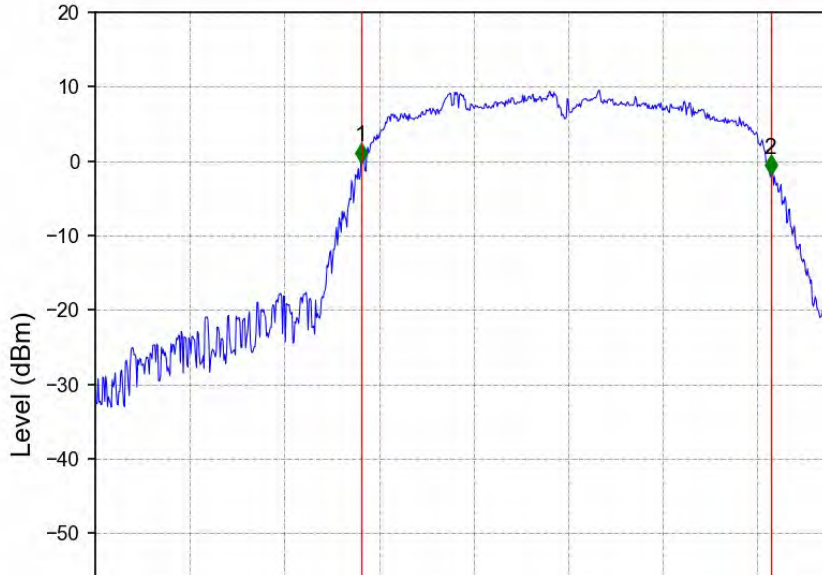


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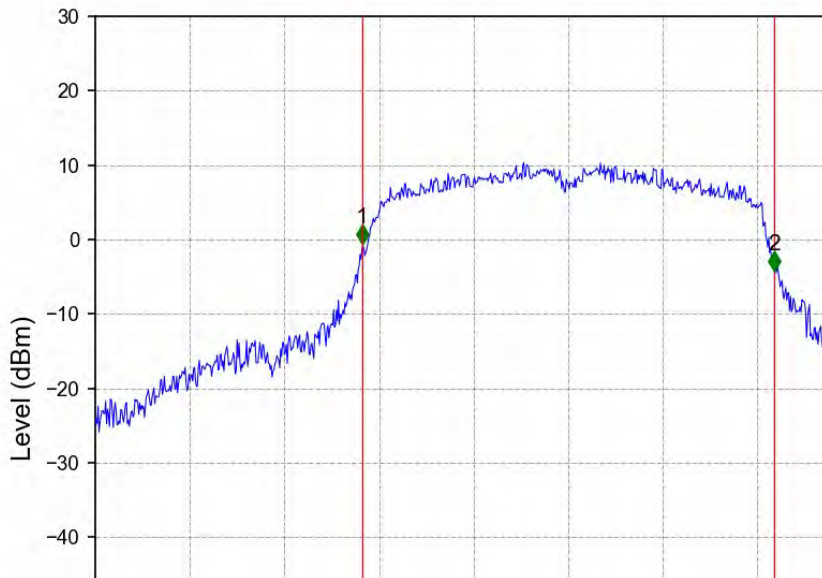
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802.11a LCH 5180MHz Ant2 NTN

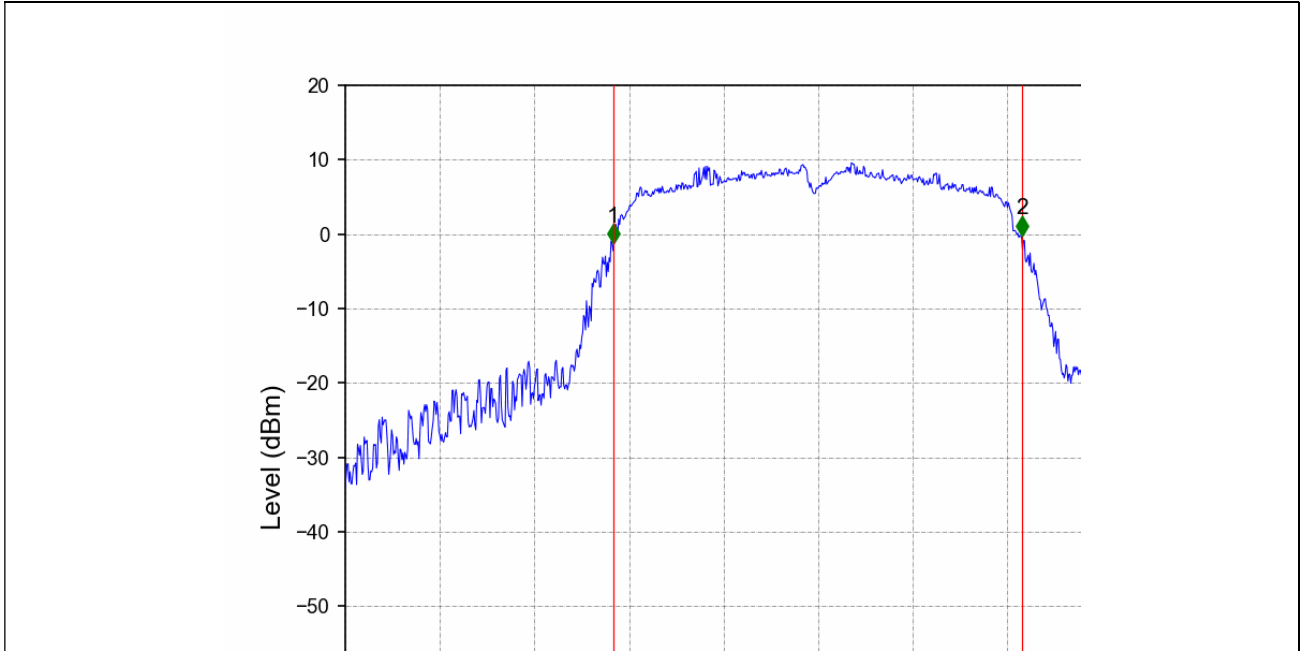


802.11a MCH 5200MHz Ant1 NTN

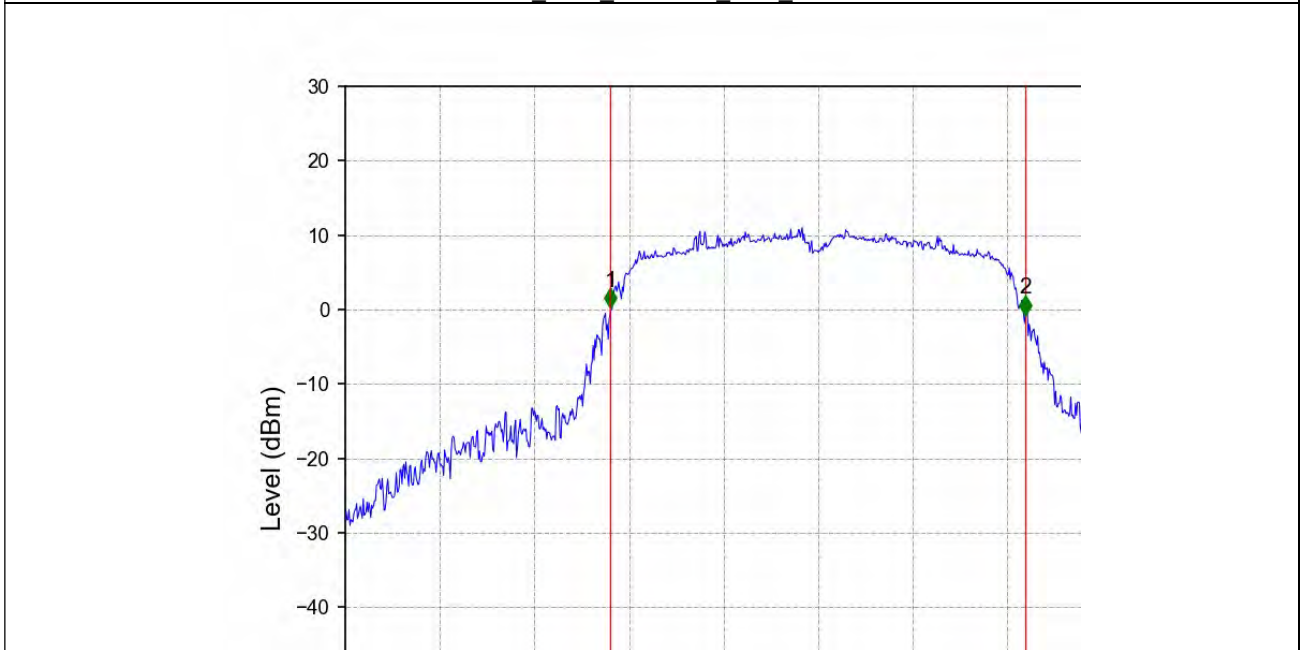


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802.11a MCH 5200MHz Ant2 NTN



802.11a HCH 5240MHz Ant1 NTN

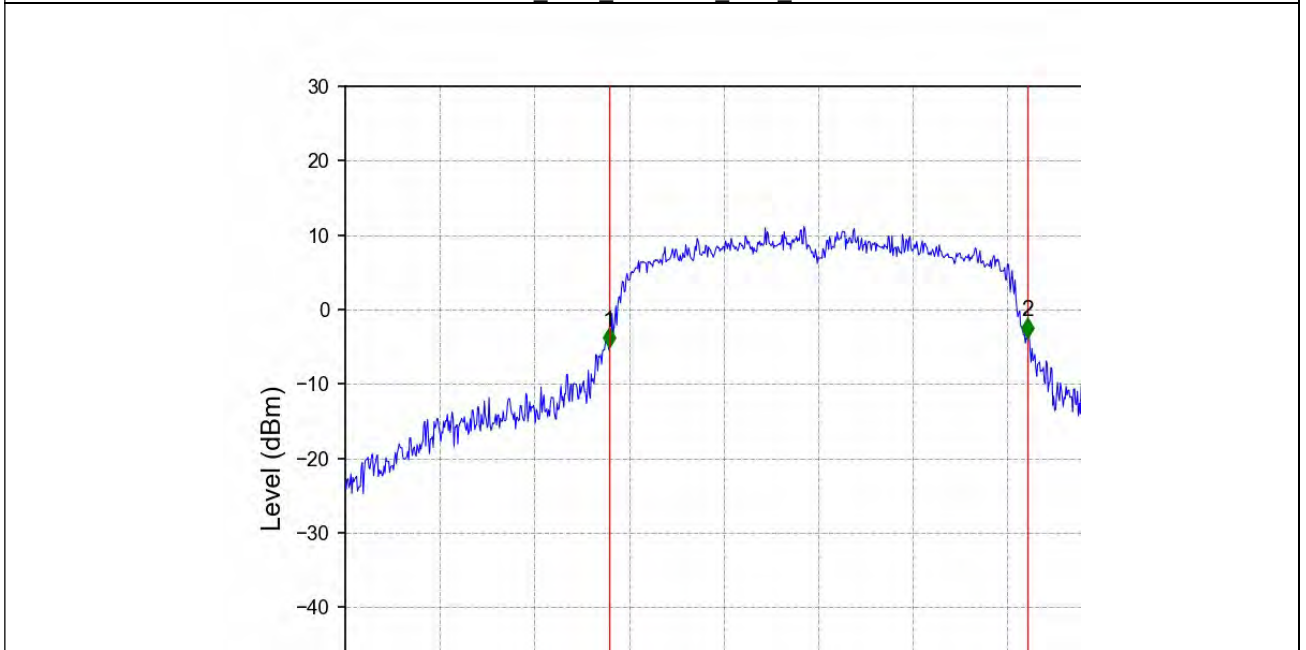


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802.11a HCH 5240MHz Ant2 NTN

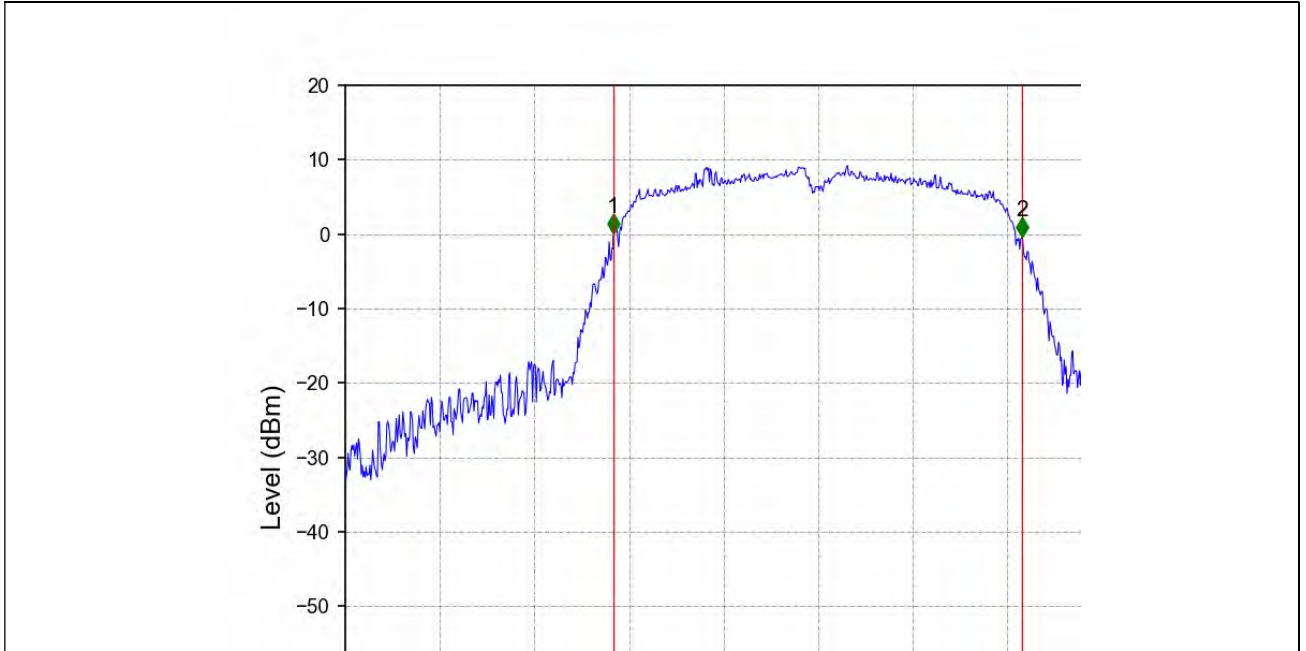


802.11a LCH 5260MHz Ant1 NTN

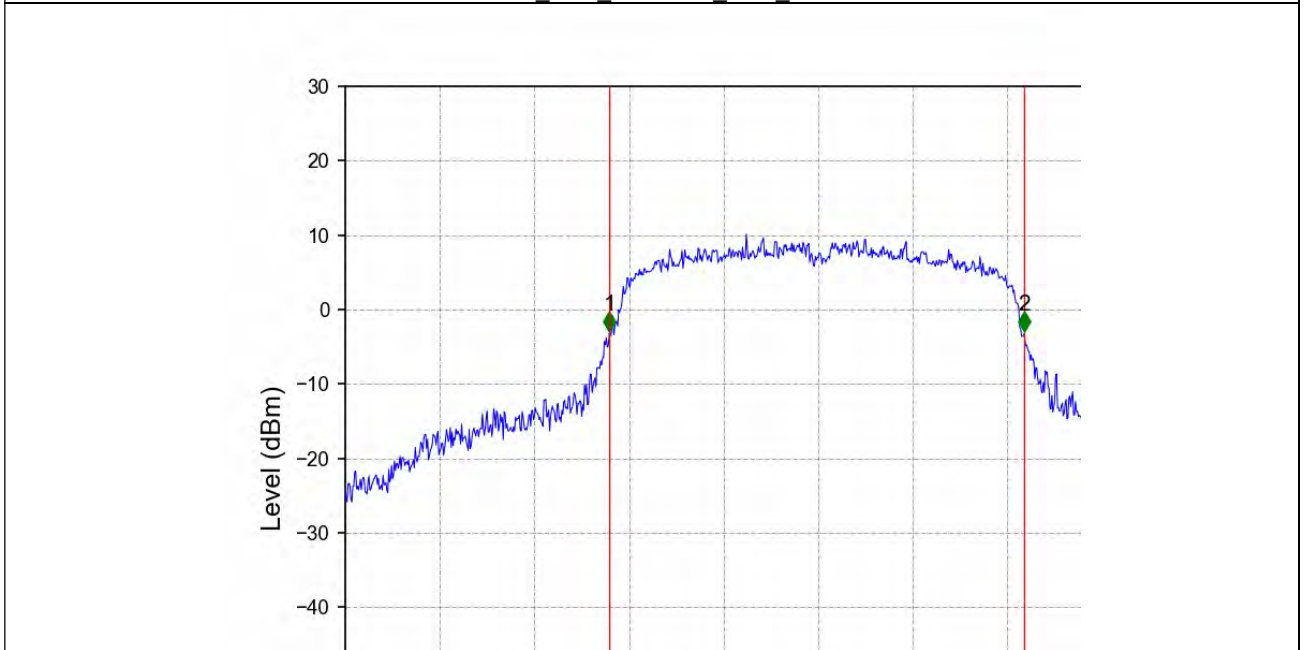


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802.11a LCH 5260MHz Ant2 NTN

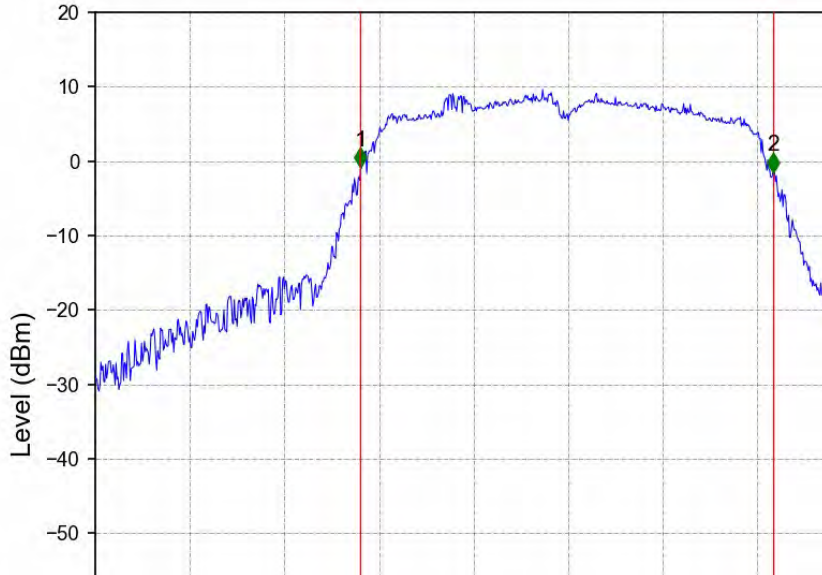


802.11a MCH 5300MHz Ant1 NTN

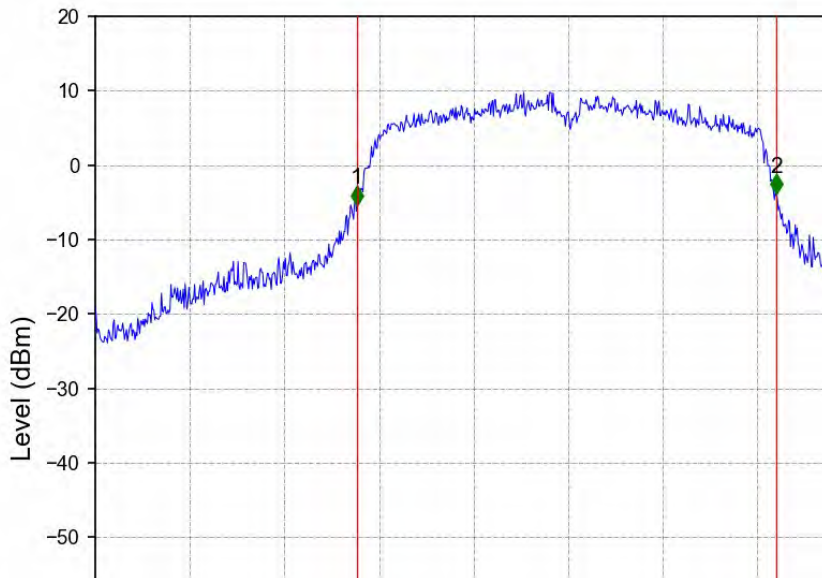


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802.11a MCH 5300MHz Ant2 NTN



802.11a HCH 5320MHz Ant1 NTN



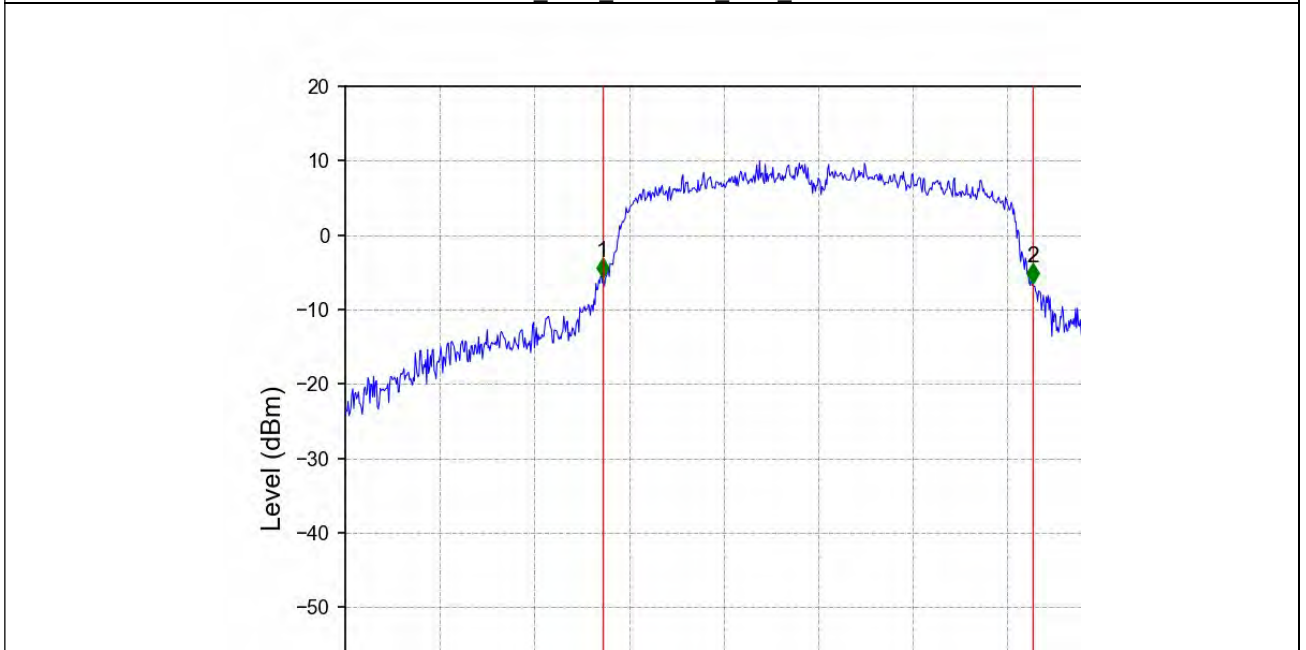
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802.11a HCH 5320MHz Ant2 NTN



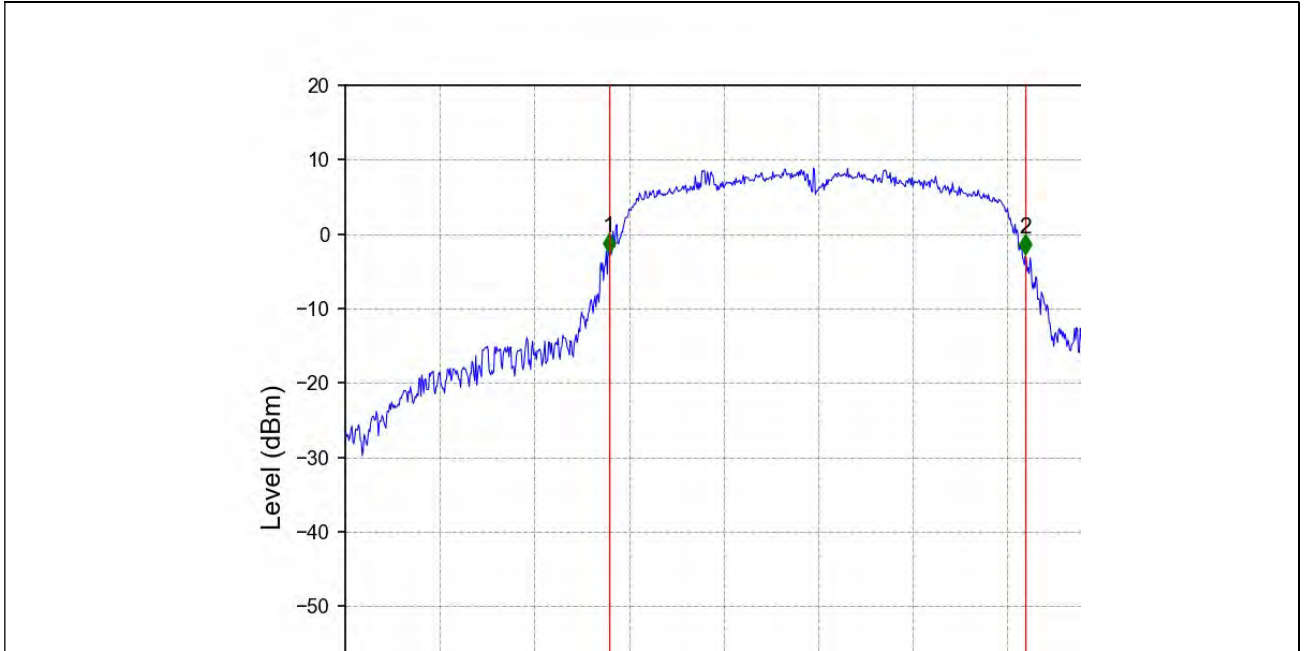
802.11a LCH 5500MHz Ant1 NTN



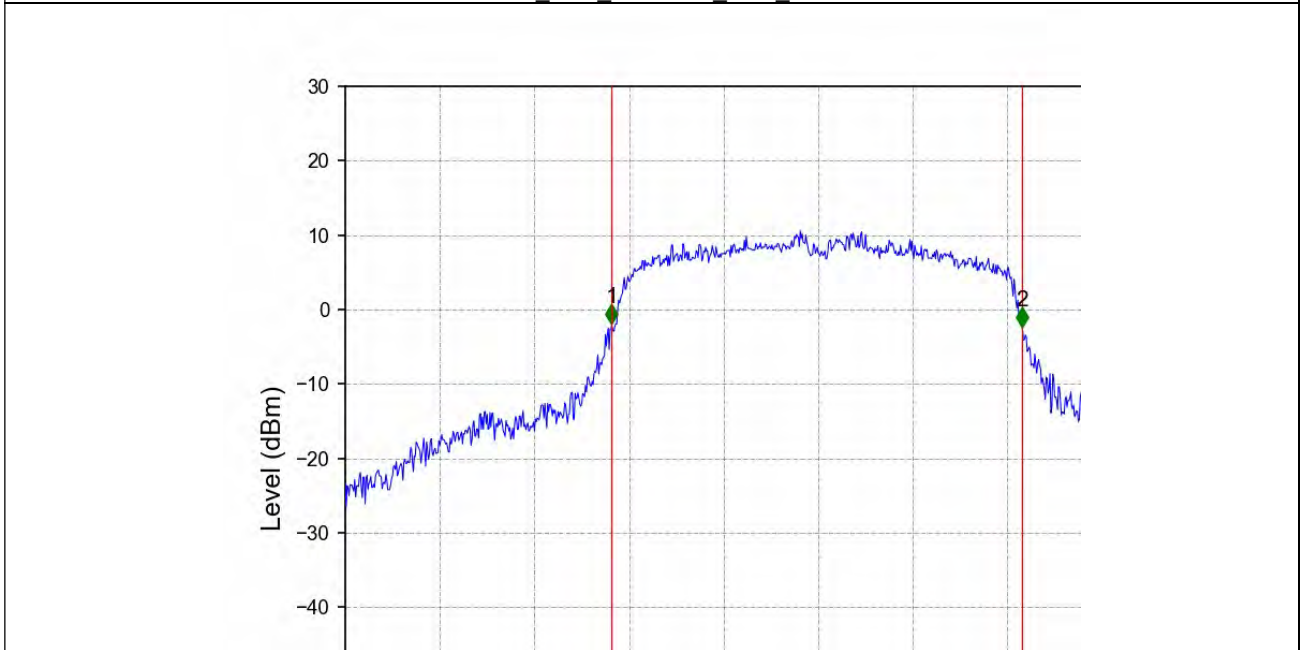
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802.11a LCH 5500MHz Ant2 NTN



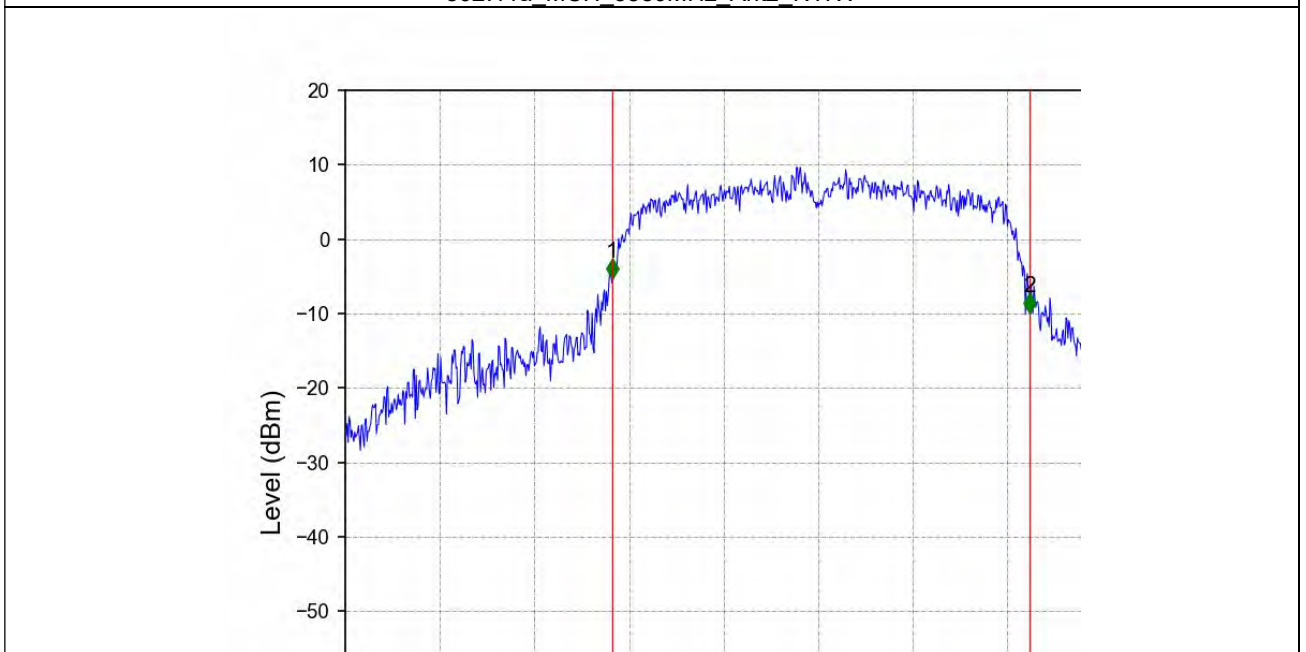
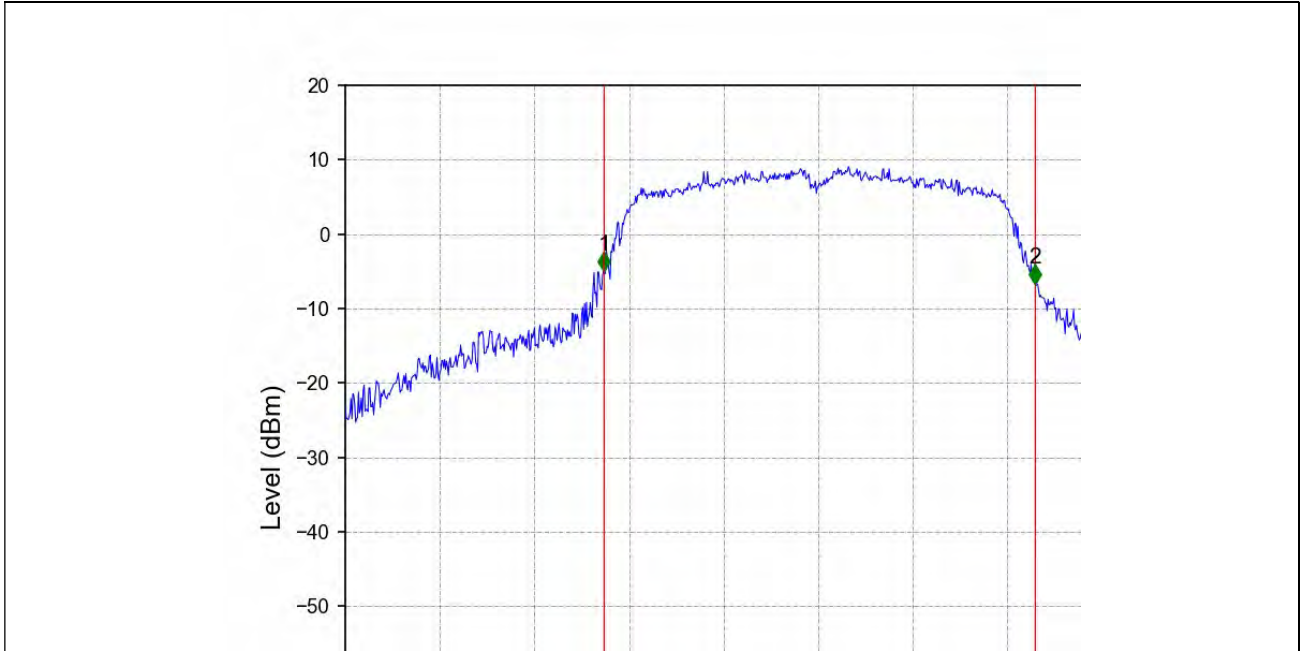
802.11a MCH 5580MHz Ant1 NTN



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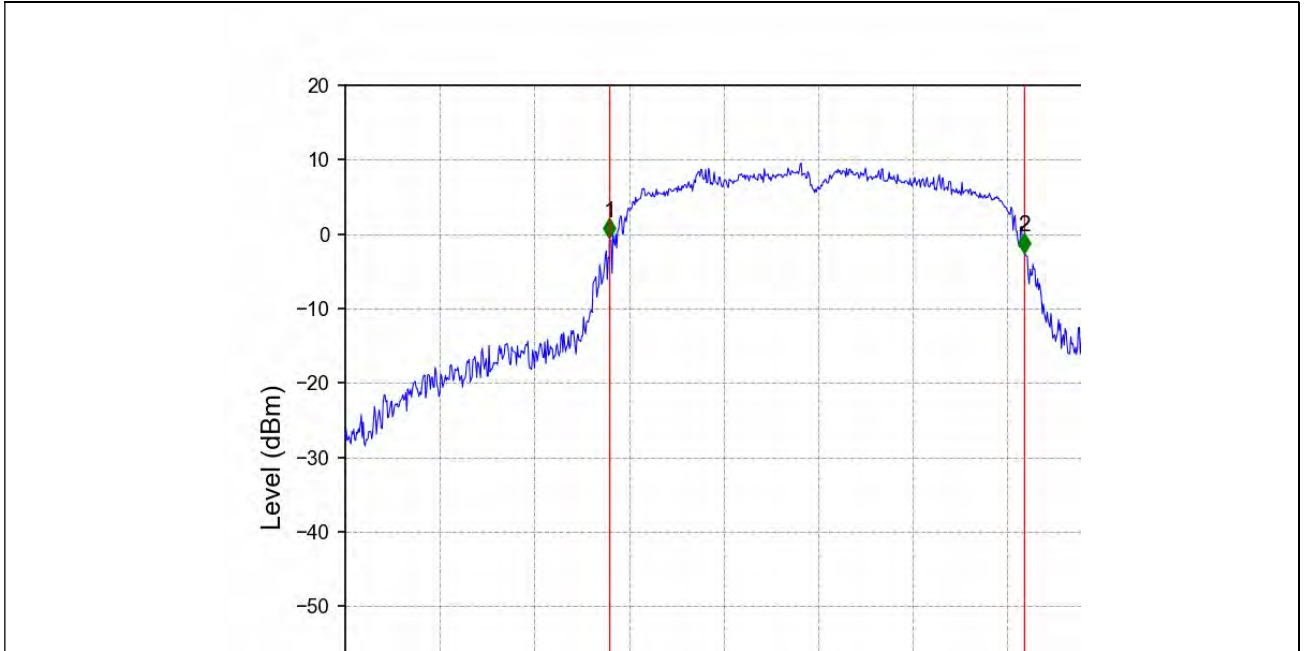


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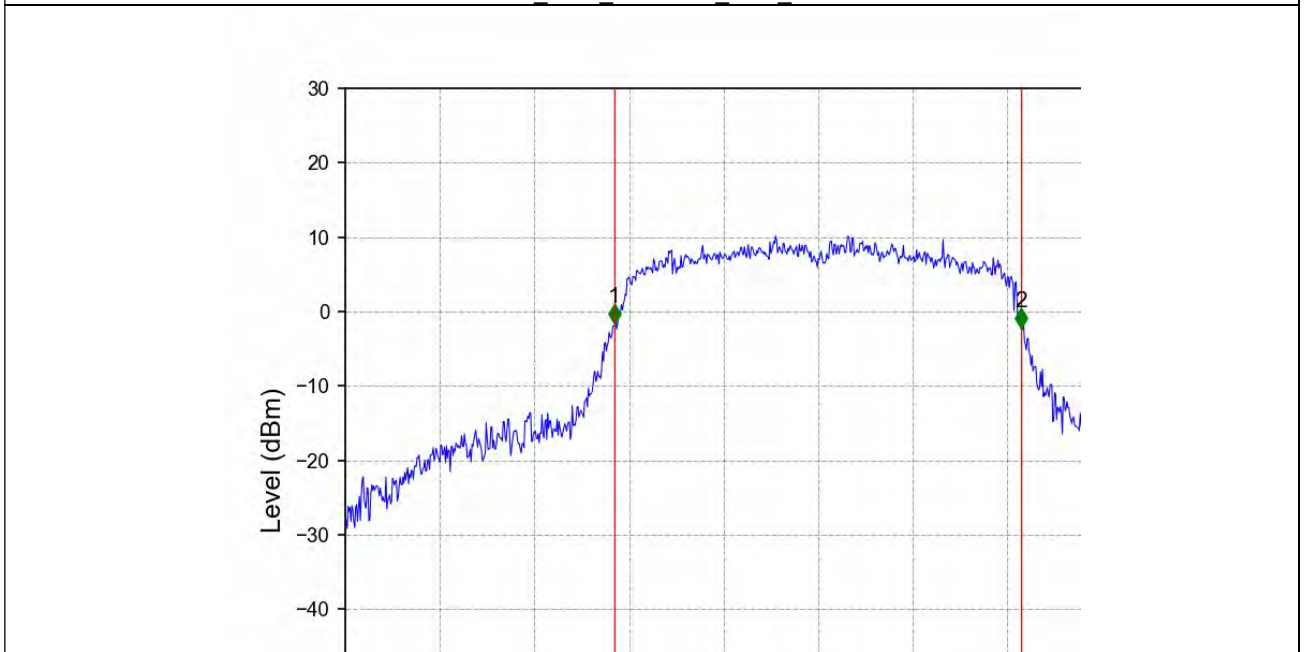
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802.11a HCH 5700MHz Ant2 NTN



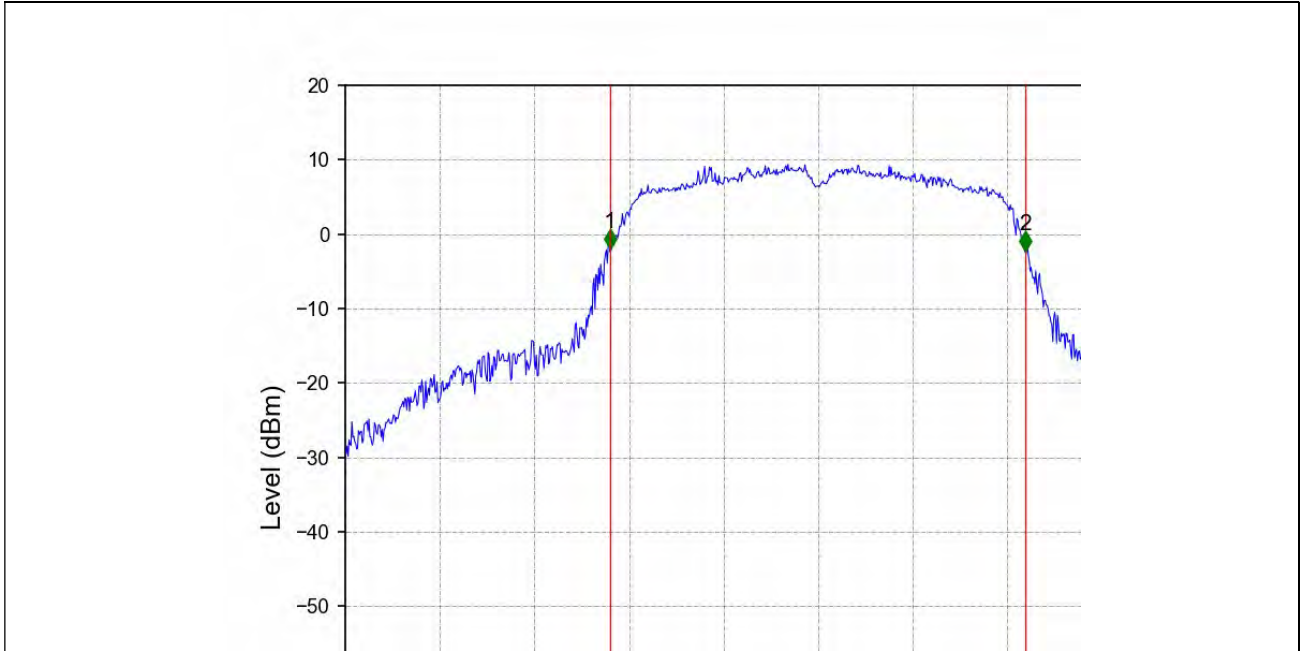
802.11a LCH 5745MHz Ant1 NTN



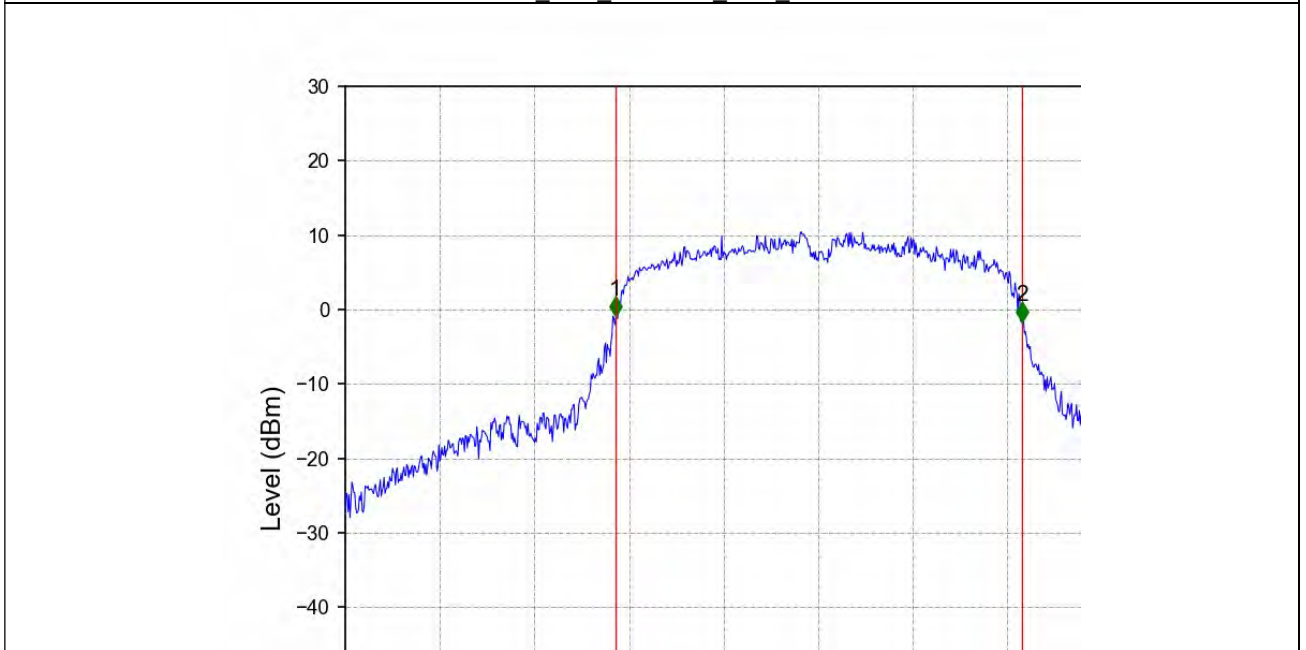
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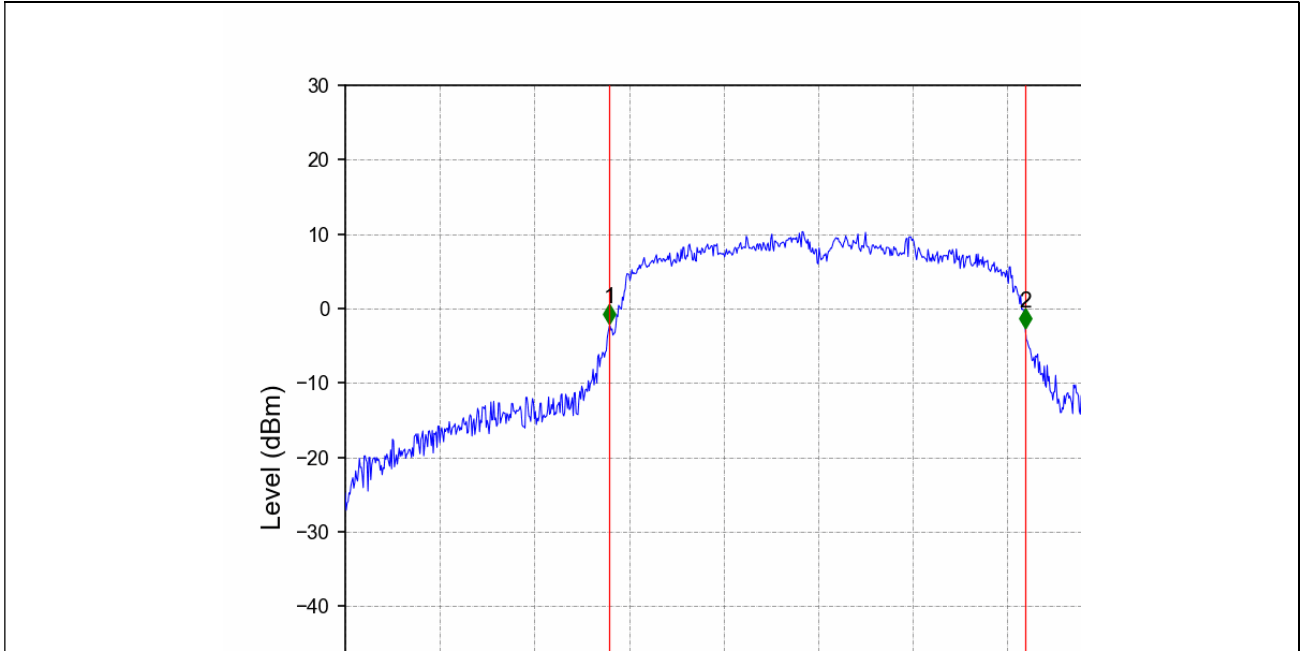
802.11a MCH 5785MHz Ant1 NTN



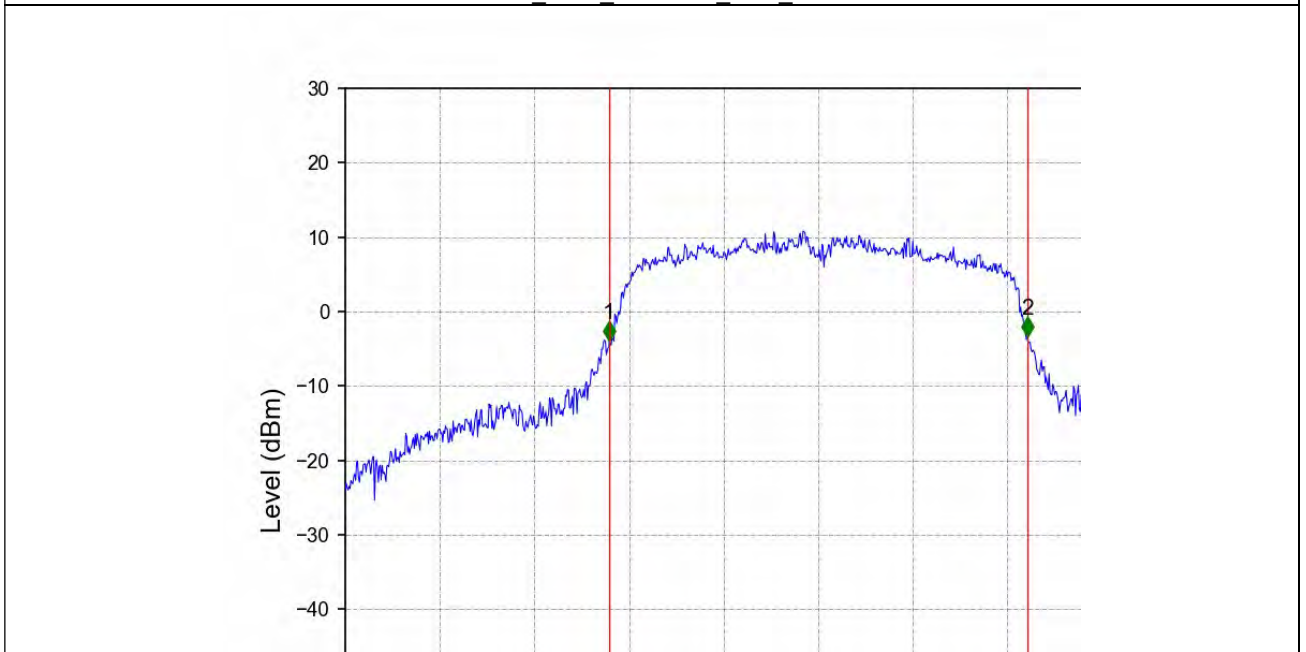
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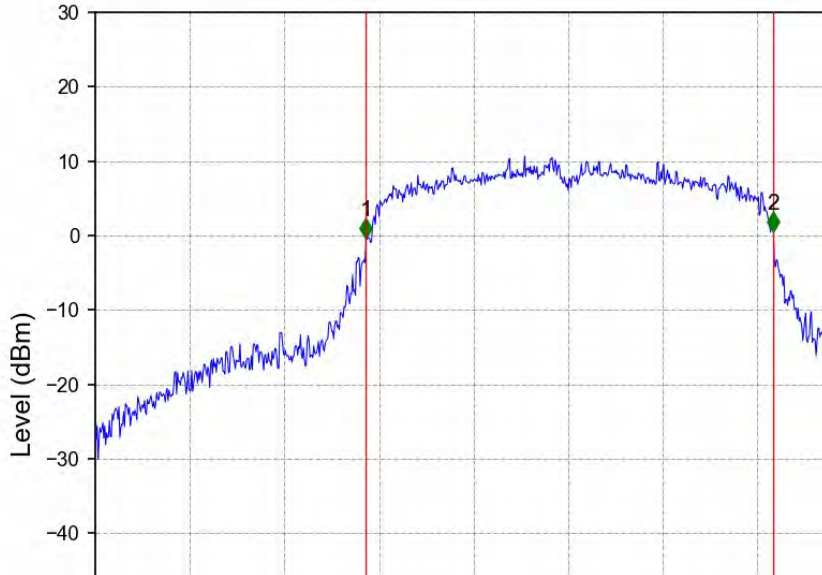
802.11a HCH 5825MHz Ant1 NTN



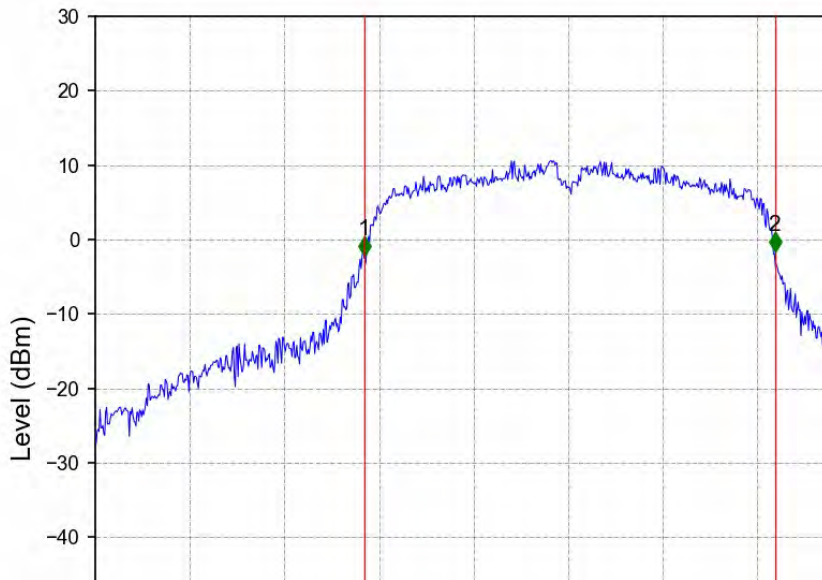
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802.11a HCH 5825MHz Ant2 NTN

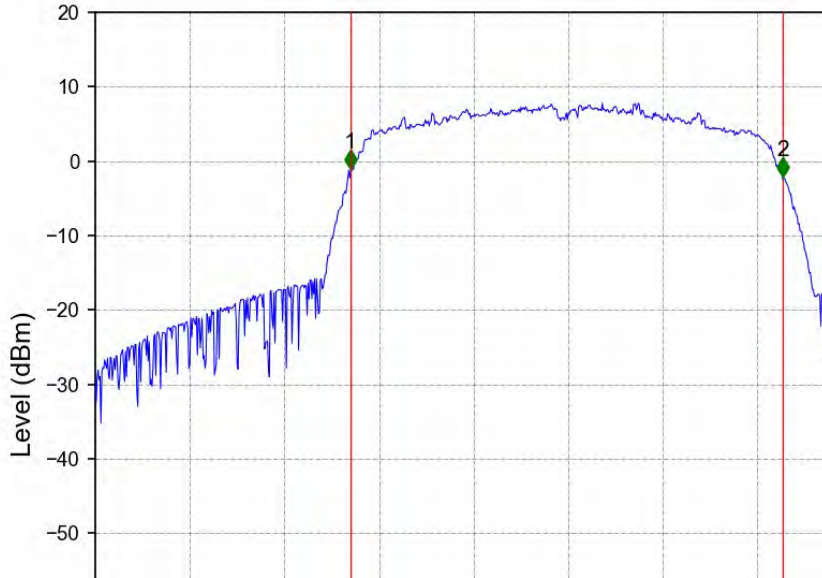


802.11n(HT20) LCH 5180MHz Ant1 NTN

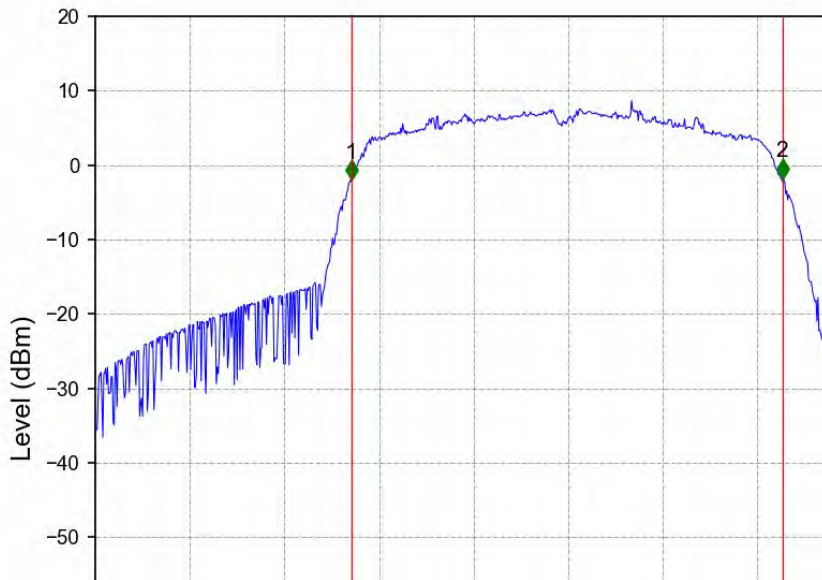


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802.11n(HT20) LCH 5180MHz Ant2 NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



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