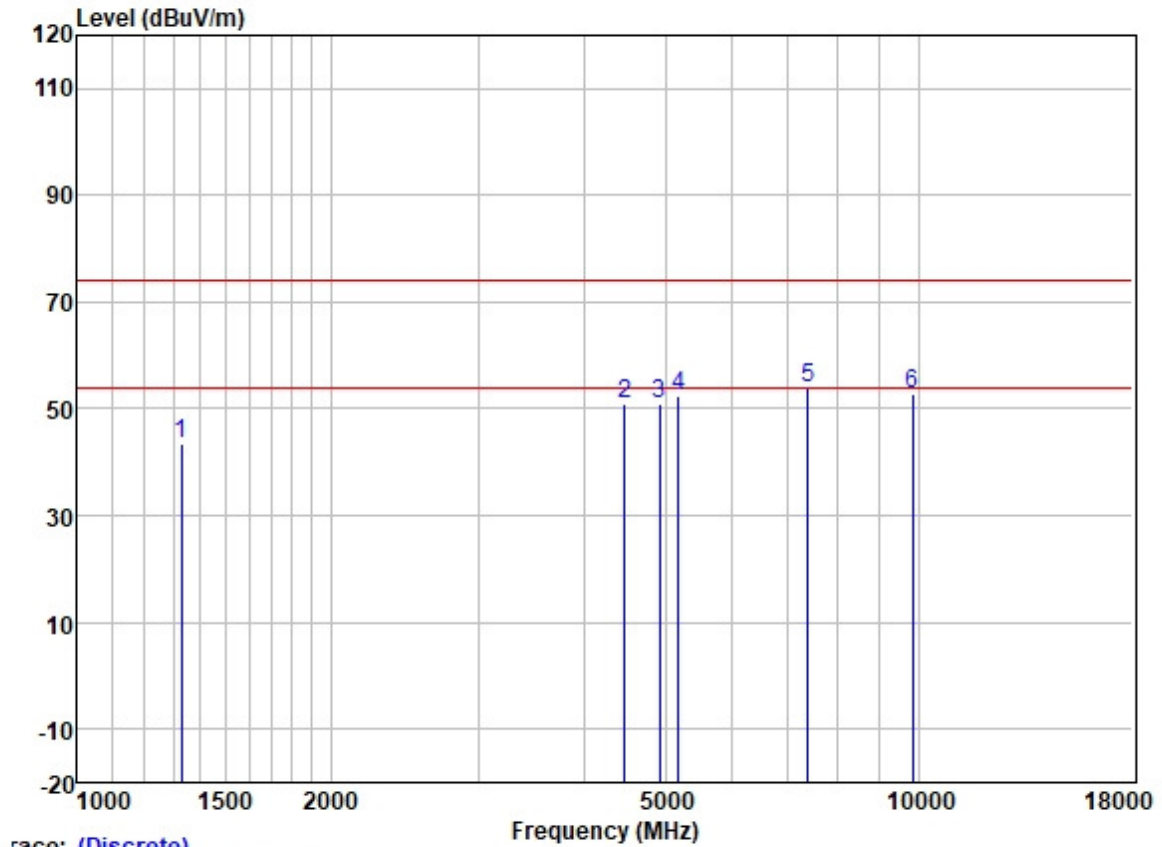


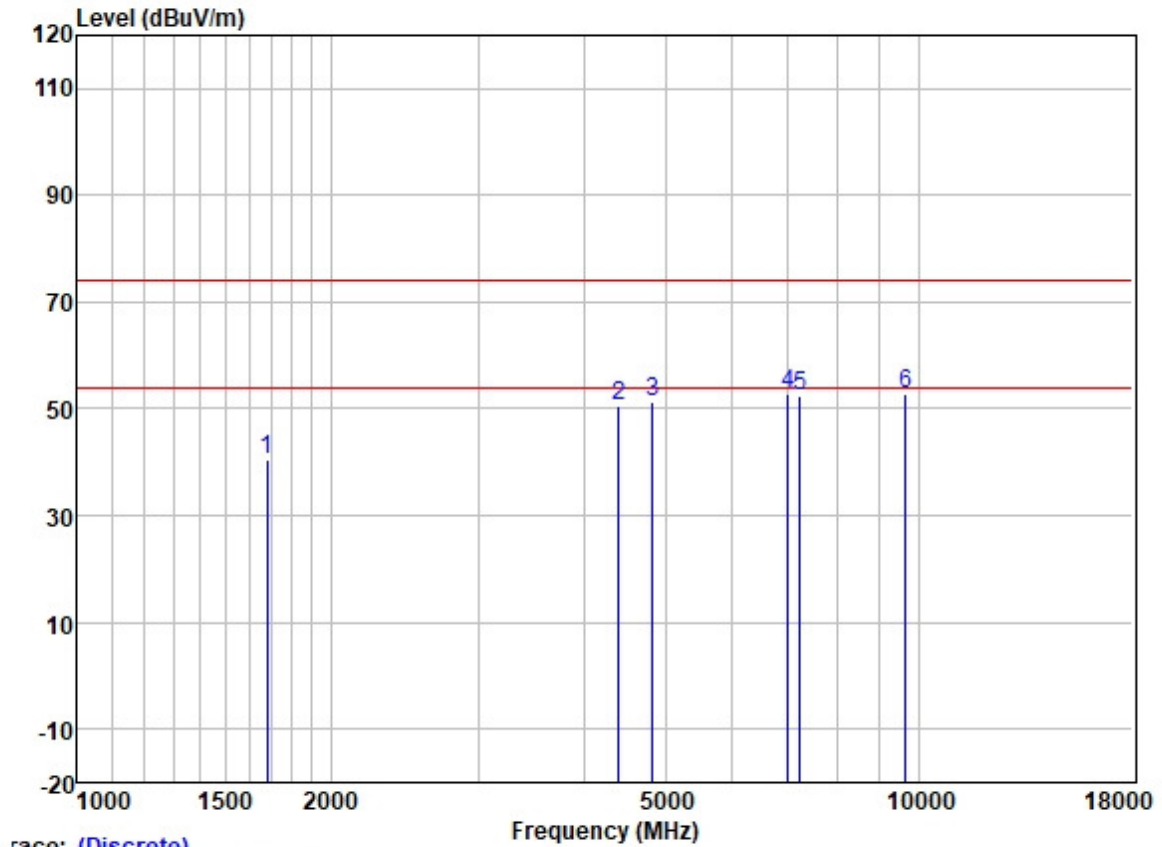
Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel: High



Trace: (Discrete)

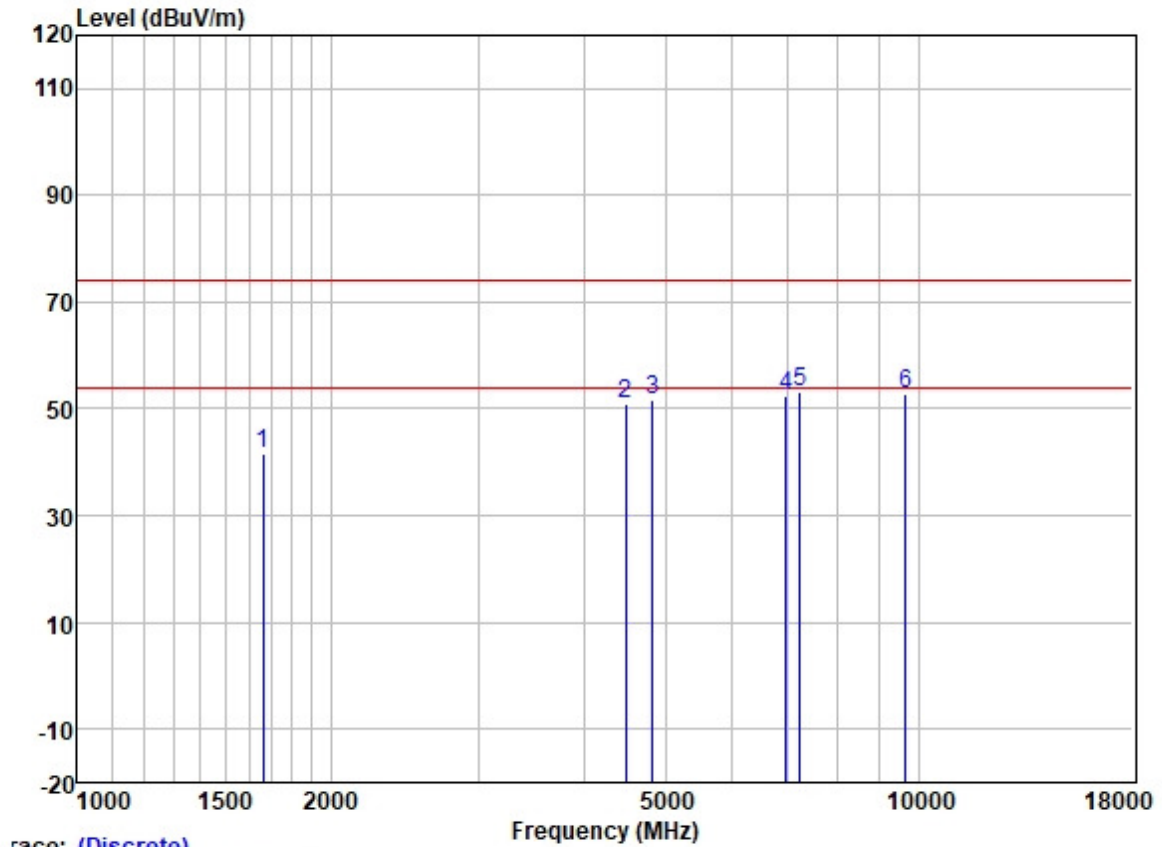
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1331.288	53.99	25.28	2.60	38.29	43.58	74.00	-30.42	VERTICAL Peak
2	4469.214	51.95	30.77	4.93	36.81	50.84	74.00	-23.16	VERTICAL Peak
3	4924.000	50.54	31.62	5.60	36.84	50.92	74.00	-23.08	VERTICAL Peak
4	5179.049	51.86	31.73	5.61	36.87	52.33	74.00	-21.67	VERTICAL Peak
5	7386.000	48.93	36.17	6.19	37.45	53.84	74.00	-20.16	VERTICAL Peak
6	9848.000	44.68	38.58	6.99	37.41	52.84	74.00	-21.16	VERTICAL Peak

Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel: Low



	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1682.477	49.76	25.68	2.80	37.91	40.33	74.00	-33.67	HORIZONTAL Peak
2	4405.090	52.16	30.68	4.70	36.81	50.73	74.00	-23.27	HORIZONTAL Peak
3	4824.000	51.16	31.45	5.42	36.83	51.20	74.00	-22.80	HORIZONTAL Peak
4	6995.172	49.24	35.00	5.81	37.25	52.80	74.00	-21.20	HORIZONTAL Peak
5	7236.000	48.03	35.70	6.03	37.39	52.37	74.00	-21.63	HORIZONTAL Peak
6	9648.000	44.91	38.40	7.06	37.42	52.95	74.00	-21.05	HORIZONTAL Peak

Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel: Low



race: (Discrete)

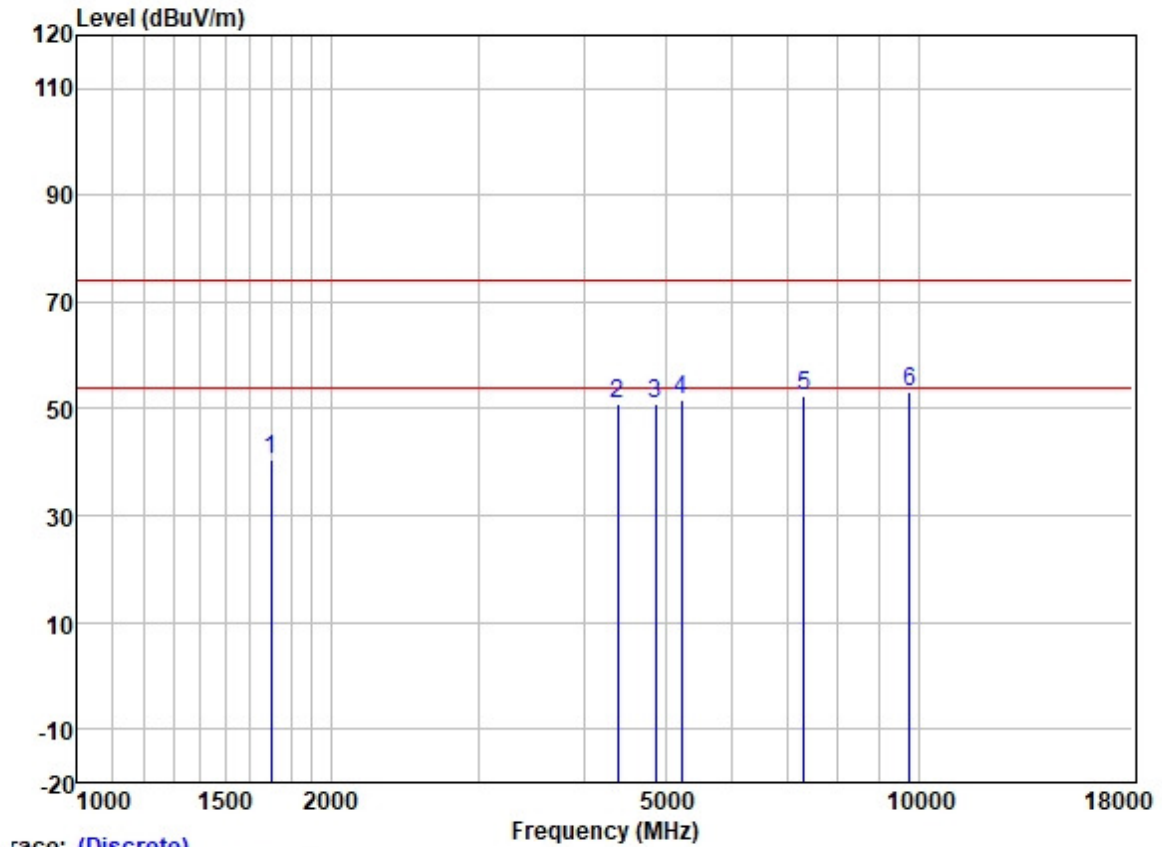
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	51.17	25.65	2.80	37.91	41.71	74.00	-32.29	VERTICAL	Peak
2	4482.150	52.07	30.78	4.99	36.81	51.03	74.00	-22.97	VERTICAL	Peak
3	4824.000	51.58	31.45	5.42	36.83	51.62	74.00	-22.38	VERTICAL	Peak
4	6954.852	48.94	34.95	5.81	37.21	52.49	74.00	-21.51	VERTICAL	Peak
5	7236.000	48.77	35.70	6.03	37.39	53.11	74.00	-20.89	VERTICAL	Peak
6	9648.000	44.91	38.40	7.06	37.42	52.95	74.00	-21.05	VERTICAL	Peak



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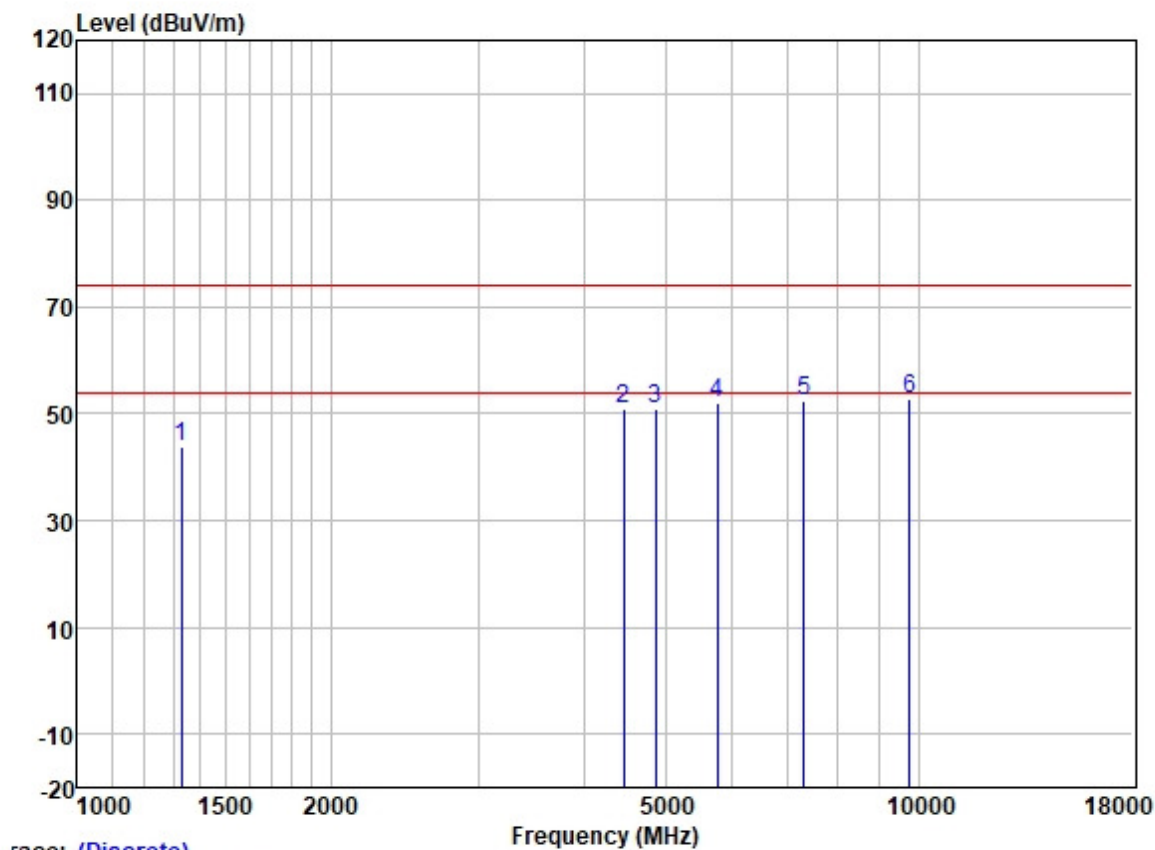
Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel: middle



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1697.129	49.81	25.71	2.80	37.89	40.43	74.00	-33.57	HORIZONTAL	Peak
2	4392.376	52.33	30.66	4.70	36.81	50.88	74.00	-23.12	HORIZONTAL	Peak
3	4874.000	50.65	31.54	5.50	36.84	50.85	74.00	-23.15	HORIZONTAL	Peak
4	5224.153	51.05	31.74	5.70	36.87	51.62	74.00	-22.38	HORIZONTAL	Peak
5	7311.000	47.91	35.93	6.11	37.42	52.53	74.00	-21.47	HORIZONTAL	Peak
6	9748.000	44.96	38.50	7.02	37.41	53.07	74.00	-20.93	HORIZONTAL	Peak

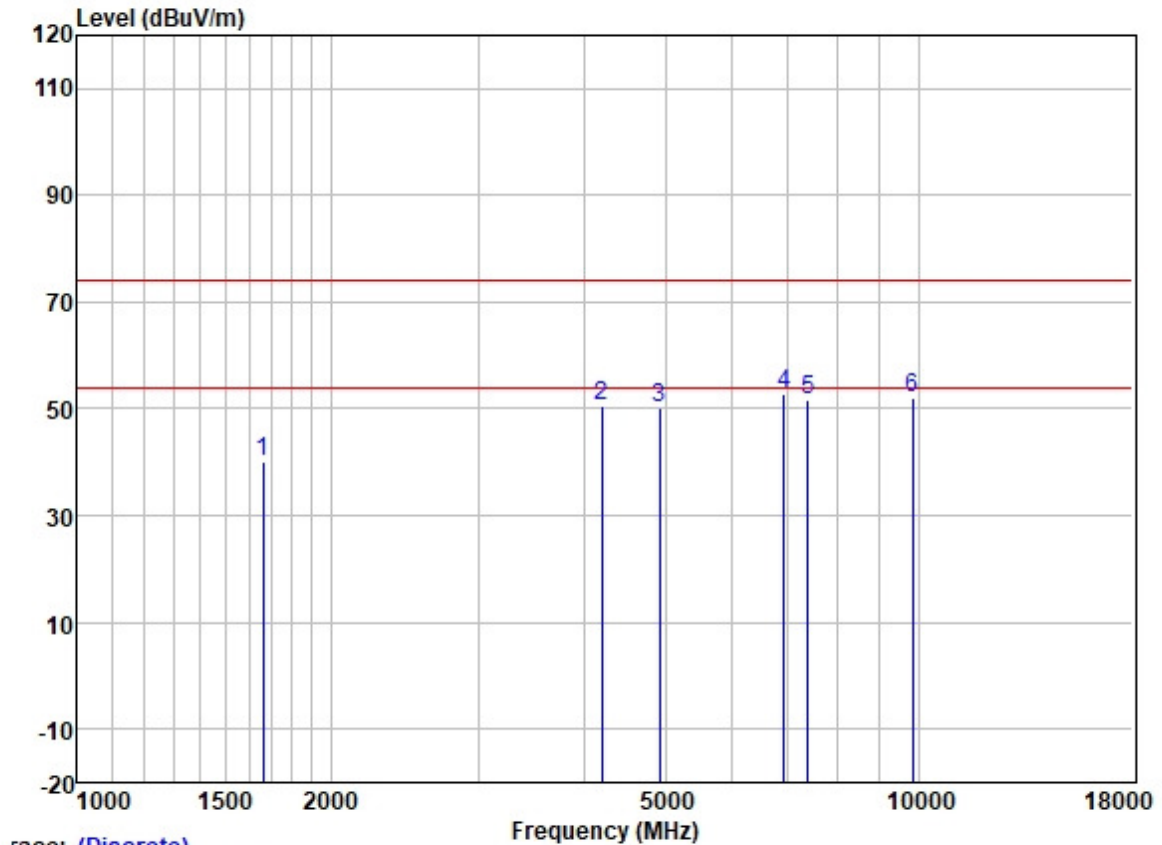
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race: (Discrete)

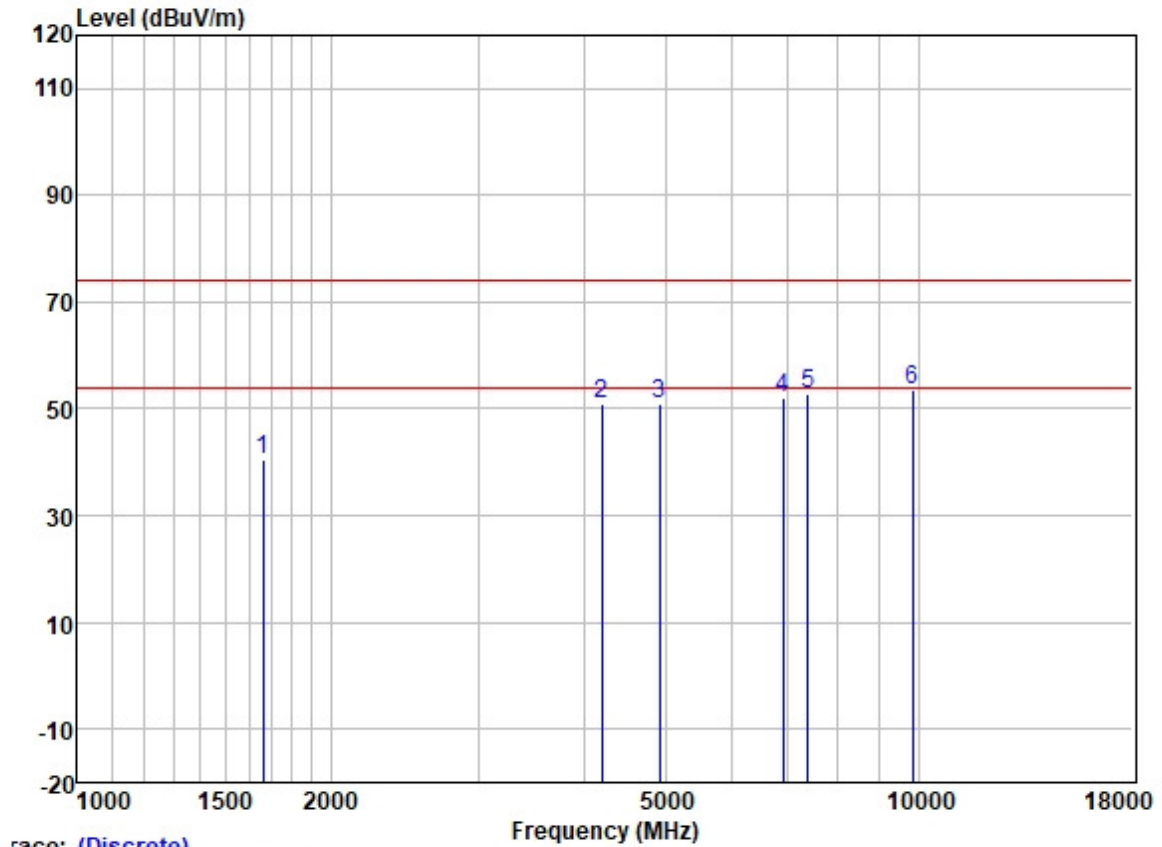
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1331.288	54.34	25.28	2.60	38.29	43.93	74.00	-30.07	VERTICAL	Peak
2	4456.315	52.27	30.75	4.88	36.81	51.09	74.00	-22.91	VERTICAL	Peak
3	4874.000	50.85	31.54	5.50	36.84	51.05	74.00	-22.95	VERTICAL	Peak
4	5763.617	50.51	32.13	6.15	36.89	51.90	74.00	-22.10	VERTICAL	Peak
5	7311.000	47.66	35.93	6.11	37.42	52.28	74.00	-21.72	VERTICAL	Peak
6	9748.000	44.53	38.50	7.02	37.41	52.64	74.00	-21.36	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; Modulation: 802.11g; Bandwidth: 20MHz; Channel: High



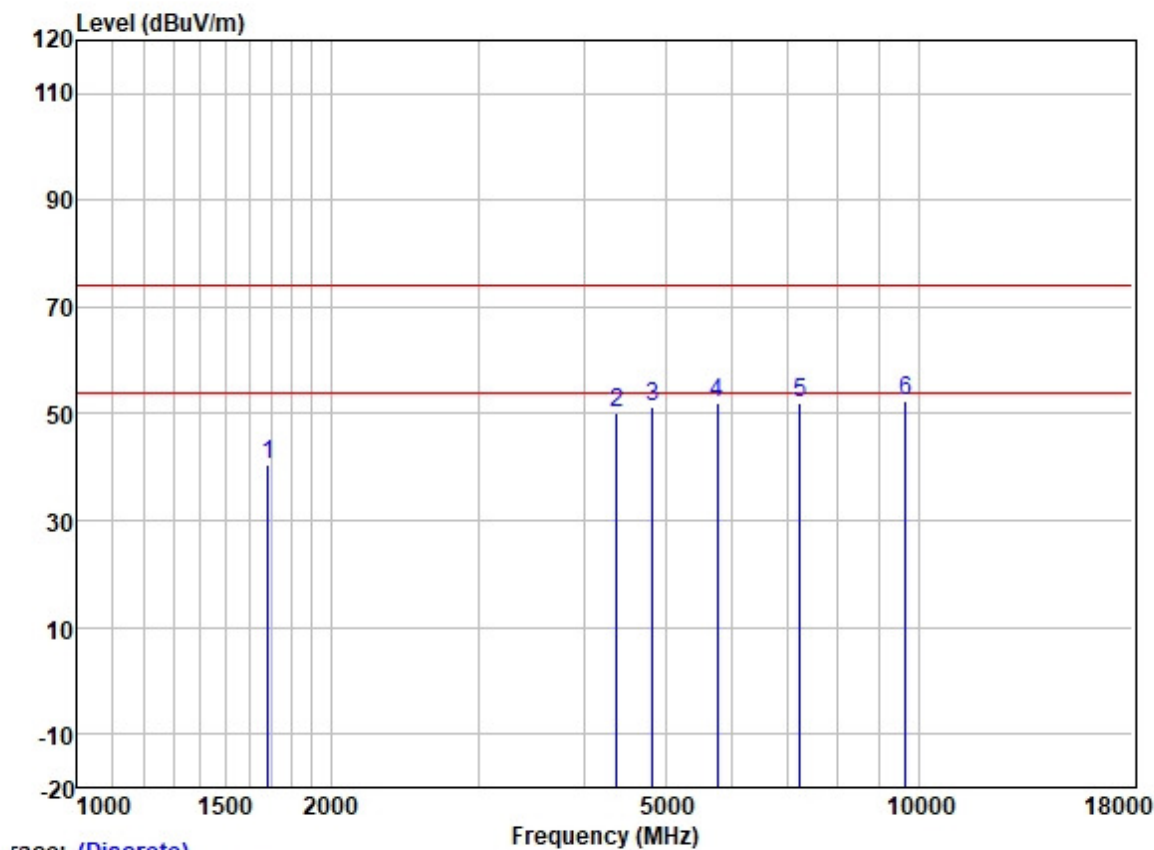
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	49.49	25.65	2.80	37.91	40.03	74.00	-33.97	HORIZONTAL	Peak
2	4206.011	52.47	30.18	4.60	36.81	50.44	74.00	-23.56	HORIZONTAL	Peak
3	4924.000	49.79	31.62	5.60	36.84	50.17	74.00	-23.83	HORIZONTAL	Peak
4	6914.763	49.23	34.89	5.81	37.19	52.74	74.00	-21.26	HORIZONTAL	Peak
5	7386.000	46.90	36.17	6.19	37.45	51.81	74.00	-22.19	HORIZONTAL	Peak
6	9848.000	43.99	38.58	6.99	37.41	52.15	74.00	-21.85	HORIZONTAL	Peak

Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel: High



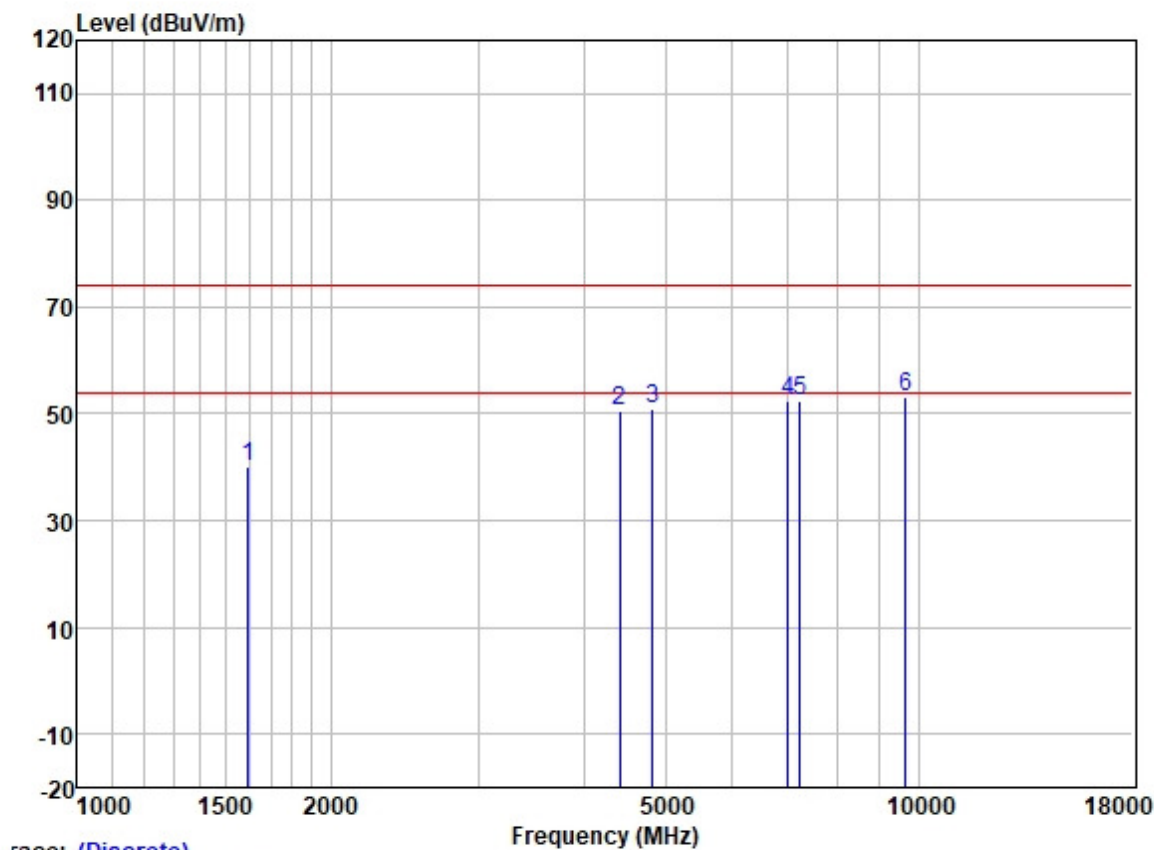
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	49.77	25.65	2.80	37.91	40.31	74.00	-33.69	VERTICAL	Peak
2	4206.011	52.82	30.18	4.60	36.81	50.79	74.00	-23.21	VERTICAL	Peak
3	4924.000	50.44	31.62	5.60	36.84	50.82	74.00	-23.18	VERTICAL	Peak
4	6894.806	48.68	34.85	5.81	37.18	52.16	74.00	-21.84	VERTICAL	Peak
5	7386.000	47.80	36.17	6.19	37.45	52.71	74.00	-21.29	VERTICAL	Peak
6	9848.000	45.29	38.58	6.99	37.41	53.45	74.00	-20.55	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel: Low



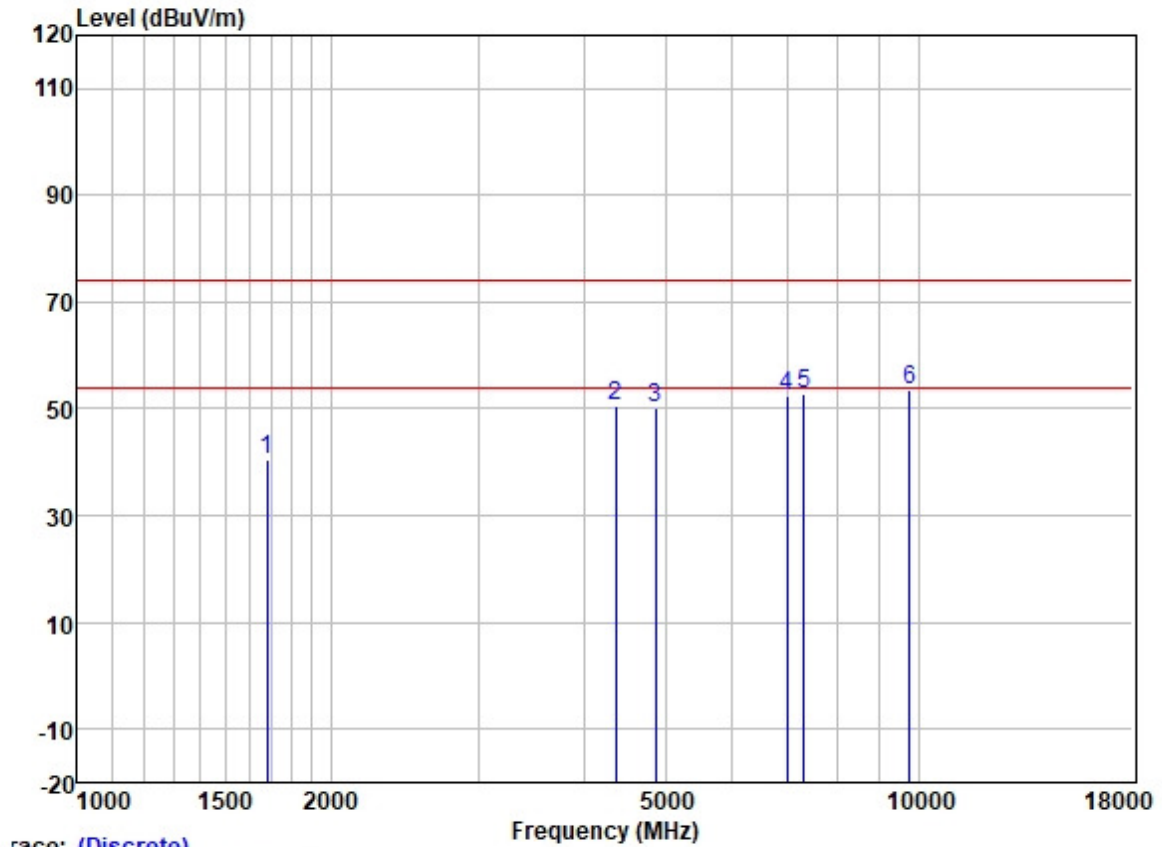
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1687.347	49.88	25.69	2.80	37.91	40.46	74.00	-33.54	HORIZONTAL	Peak
2	4379.699	51.80	30.64	4.69	36.81	50.32	74.00	-23.68	HORIZONTAL	Peak
3	4824.000	51.14	31.45	5.42	36.83	51.18	74.00	-22.82	HORIZONTAL	Peak
4	5763.617	50.79	32.13	6.15	36.89	52.18	74.00	-21.82	HORIZONTAL	Peak
5	7236.000	47.83	35.70	6.03	37.39	52.17	74.00	-21.83	HORIZONTAL	Peak
6	9648.000	44.53	38.40	7.06	37.42	52.57	74.00	-21.43	HORIZONTAL	Peak

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel: Low



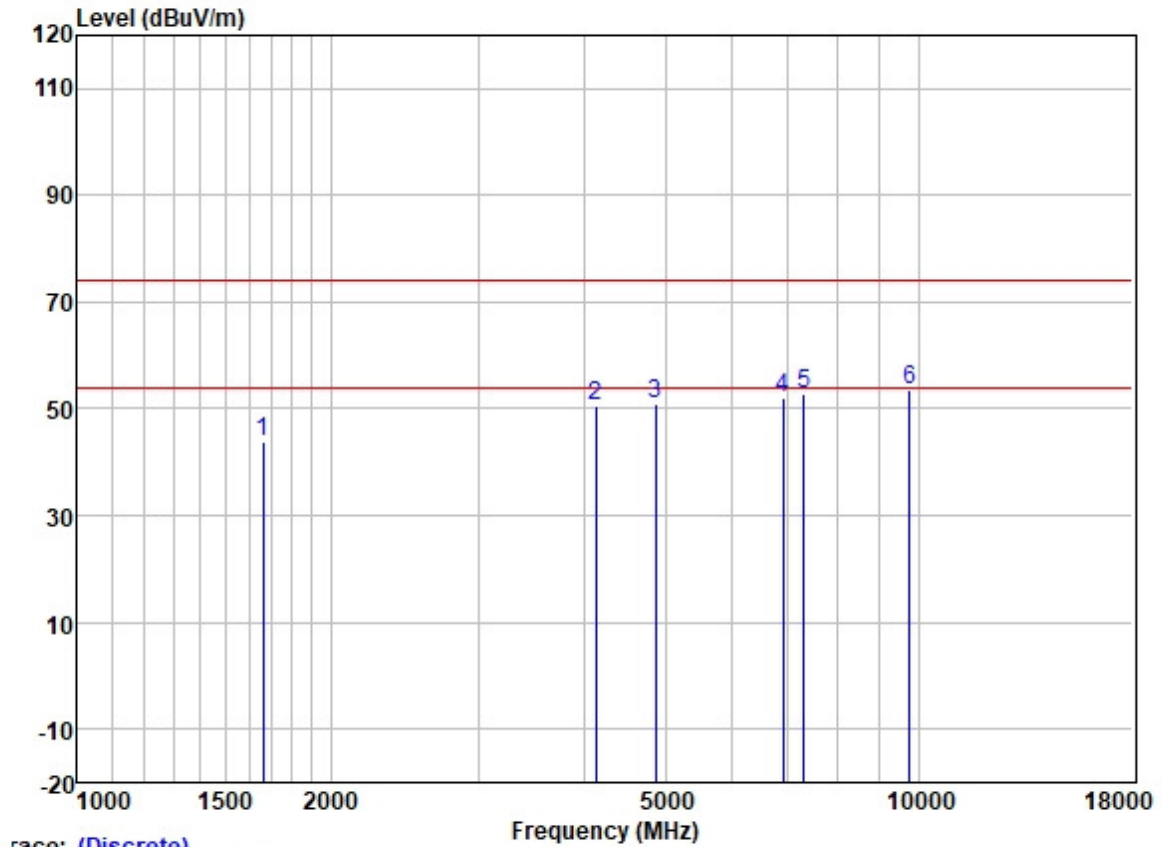
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	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1597.181	49.84	25.58	2.80	37.98	40.24	74.00	-33.76	VERTICAL	Peak
2	4417.841	52.02	30.70	4.74	36.81	50.65	74.00	-23.35	VERTICAL	Peak
3	4824.000	50.99	31.45	5.42	36.83	51.03	74.00	-22.97	VERTICAL	Peak
4	6995.172	49.04	35.00	5.81	37.25	52.60	74.00	-21.40	VERTICAL	Peak
5	7236.000	48.18	35.70	6.03	37.39	52.52	74.00	-21.48	VERTICAL	Peak
6	9648.000	45.02	38.40	7.06	37.42	53.06	74.00	-20.94	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel: middle



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1682.477	49.91	25.68	2.80	37.91	40.48	74.00	-33.52	HORIZONTAL	Peak
2	4367.058	51.94	30.62	4.68	36.81	50.43	74.00	-23.57	HORIZONTAL	Peak
3	4874.000	49.84	31.54	5.50	36.84	50.04	74.00	-23.96	HORIZONTAL	Peak
4	6974.982	48.78	34.97	5.81	37.23	52.33	74.00	-21.67	HORIZONTAL	Peak
5	7311.000	48.35	35.93	6.11	37.42	52.97	74.00	-21.03	HORIZONTAL	Peak
6	9748.000	45.47	38.50	7.02	37.41	53.58	74.00	-20.42	HORIZONTAL	Peak

Test Mode: 00; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 20MHz; Channel: middle



race: (Discrete)

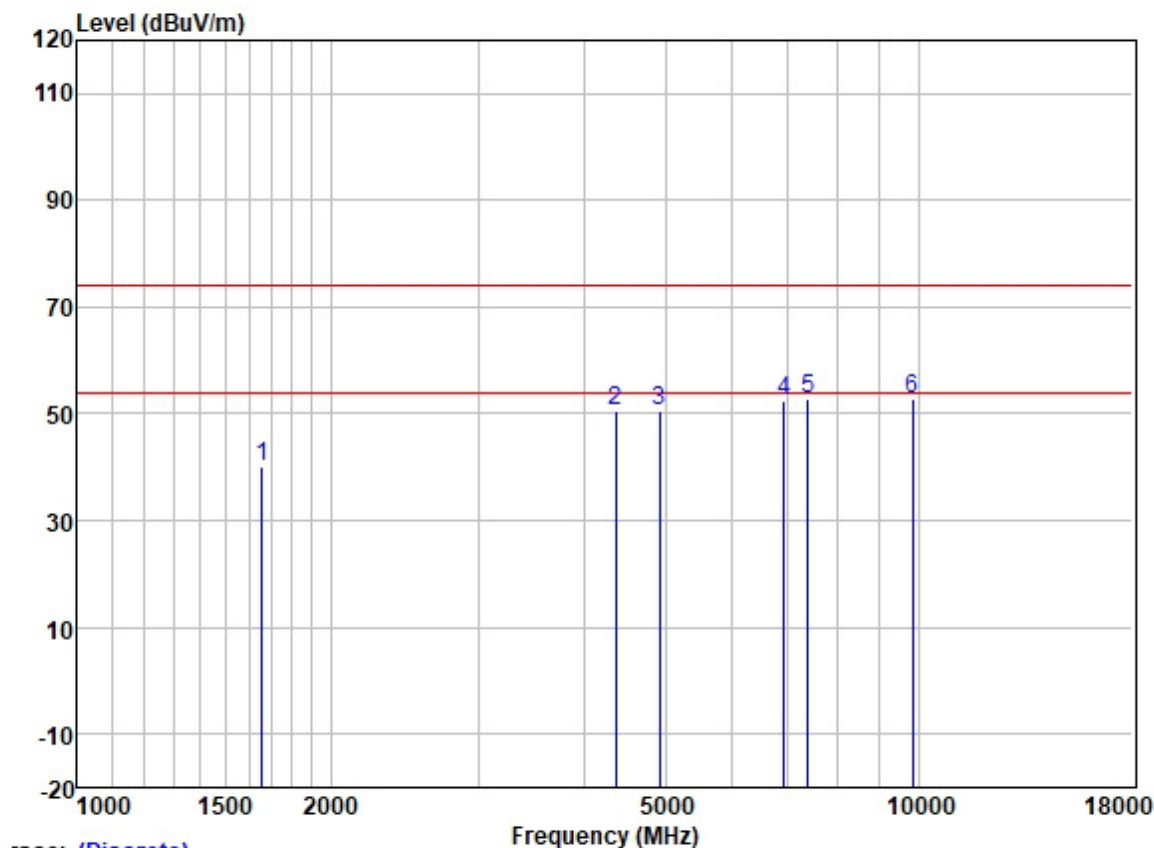
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	53.46	25.65	2.80	37.91	44.00	74.00	-30.00	VERTICAL	Peak
2	4133.699	52.84	30.01	4.60	36.80	50.65	74.00	-23.35	VERTICAL	Peak
3	4874.000	50.66	31.54	5.50	36.84	50.86	74.00	-23.14	VERTICAL	Peak
4	6894.806	48.56	34.85	5.81	37.18	52.04	74.00	-21.96	VERTICAL	Peak
5	7311.000	48.16	35.93	6.11	37.42	52.78	74.00	-21.22	VERTICAL	Peak
6	9748.000	45.40	38.50	7.02	37.41	53.51	74.00	-20.49	VERTICAL	Peak



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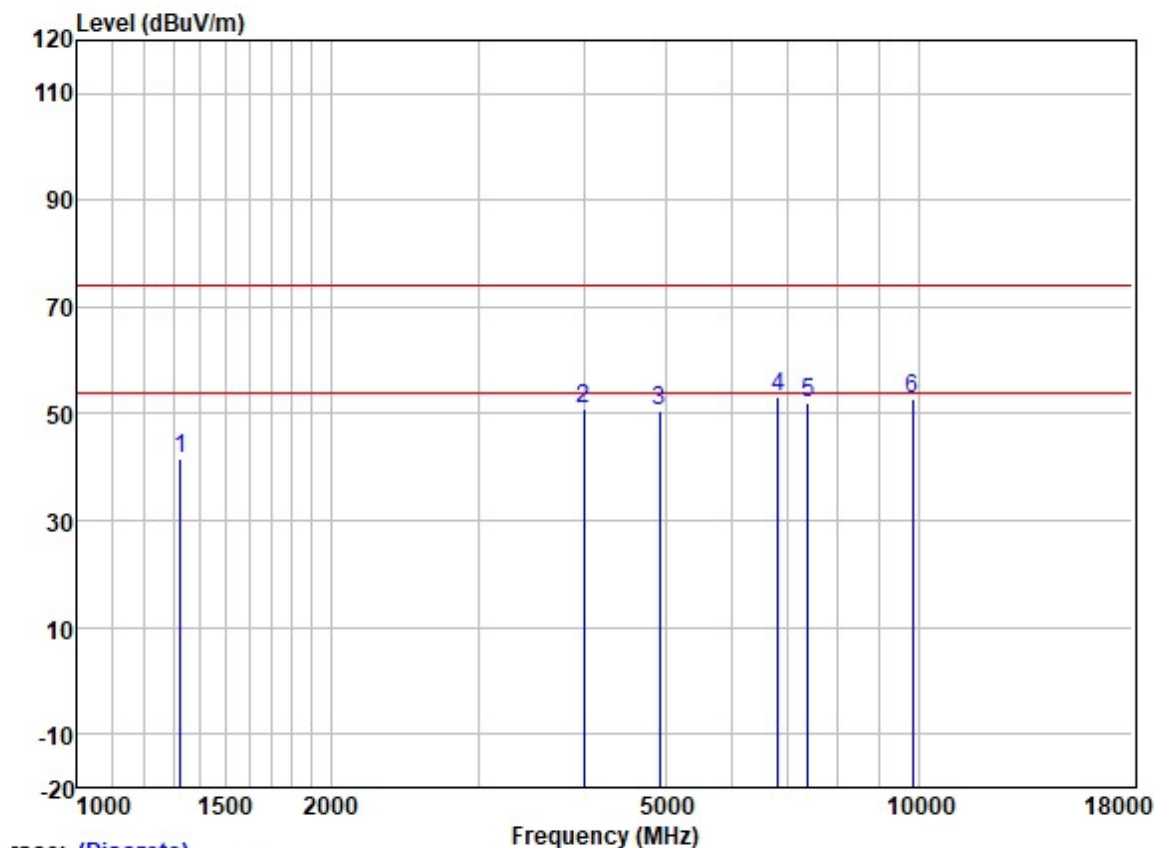
Test Mode: 00; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 20MHz; Channel: High



race: (Discrete)

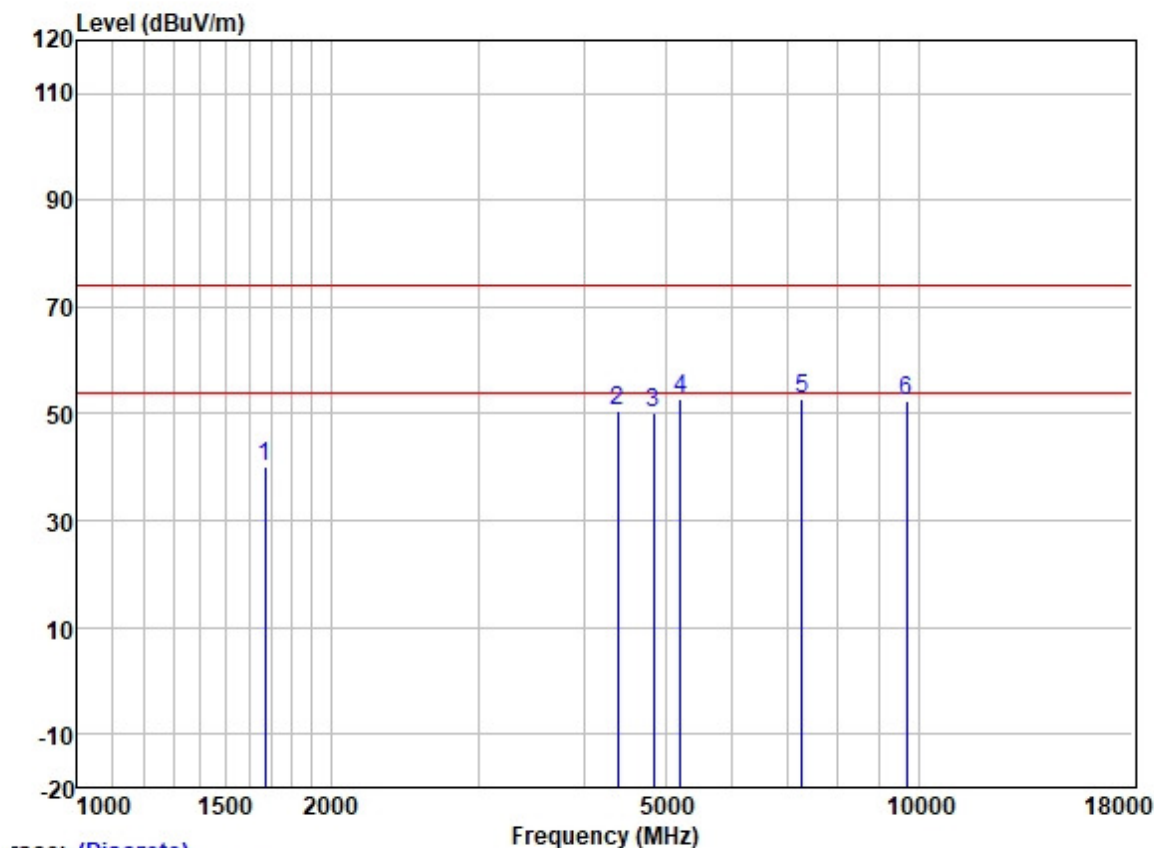
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1658.337	49.53	25.65	2.80	37.93	40.05	74.00	-33.95	HORIZONTAL Peak
2	4367.058	51.93	30.62	4.68	36.81	50.42	74.00	-23.58	HORIZONTAL Peak
3	4924.000	50.12	31.62	5.60	36.84	50.50	74.00	-23.50	HORIZONTAL Peak
4	6914.763	49.03	34.89	5.81	37.19	52.54	74.00	-21.46	HORIZONTAL Peak
5	7386.000	48.01	36.17	6.19	37.45	52.92	74.00	-21.08	HORIZONTAL Peak
6	9848.000	44.76	38.58	6.99	37.41	52.92	74.00	-21.08	HORIZONTAL Peak

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel: High



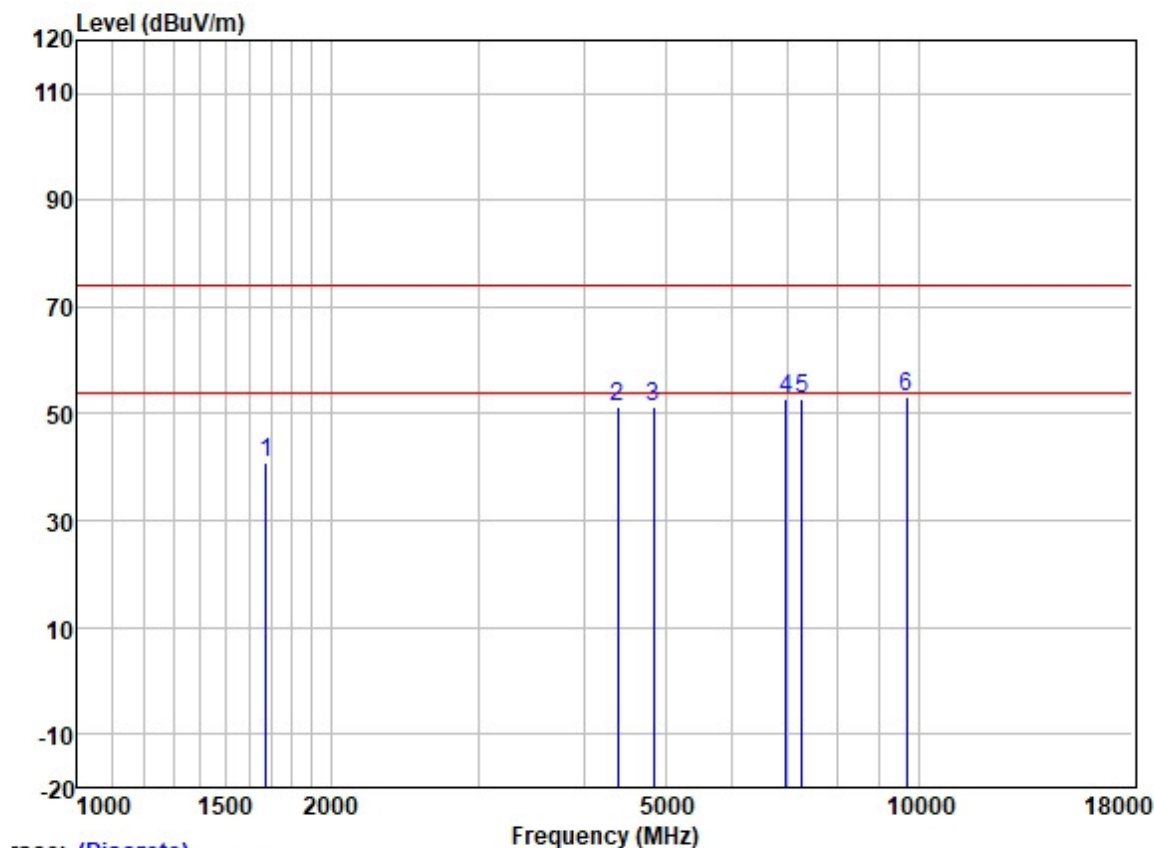
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	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1327.446	51.97	25.27	2.60	38.29	41.55	74.00	-32.45	VERTICAL	Peak
2	4004.339	53.26	29.80	4.60	36.80	50.86	74.00	-23.14	VERTICAL	Peak
3	4924.000	50.25	31.62	5.60	36.84	50.63	74.00	-23.37	VERTICAL	Peak
4	6815.551	49.75	34.70	5.82	37.13	53.14	74.00	-20.86	VERTICAL	Peak
5	7386.000	47.17	36.17	6.19	37.45	52.08	74.00	-21.92	VERTICAL	Peak
6	9848.000	44.65	38.58	6.99	37.41	52.81	74.00	-21.19	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 40MHz; Channel: Low



		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1672.779	49.67	25.67	2.80	37.91	40.23	74.00	-33.77	HORIZONTAL	Peak
2	4392.376	52.17	30.66	4.70	36.81	50.72	74.00	-23.28	HORIZONTAL	Peak
3	4844.000	49.90	31.50	5.45	36.84	50.01	74.00	-23.99	HORIZONTAL	Peak
4	5209.075	52.31	31.74	5.65	36.87	52.83	74.00	-21.17	HORIZONTAL	Peak
5	7266.000	48.25	35.78	6.06	37.41	52.68	74.00	-21.32	HORIZONTAL	Peak
6	9688.000	44.51	38.44	7.04	37.42	52.57	74.00	-21.43	HORIZONTAL	Peak

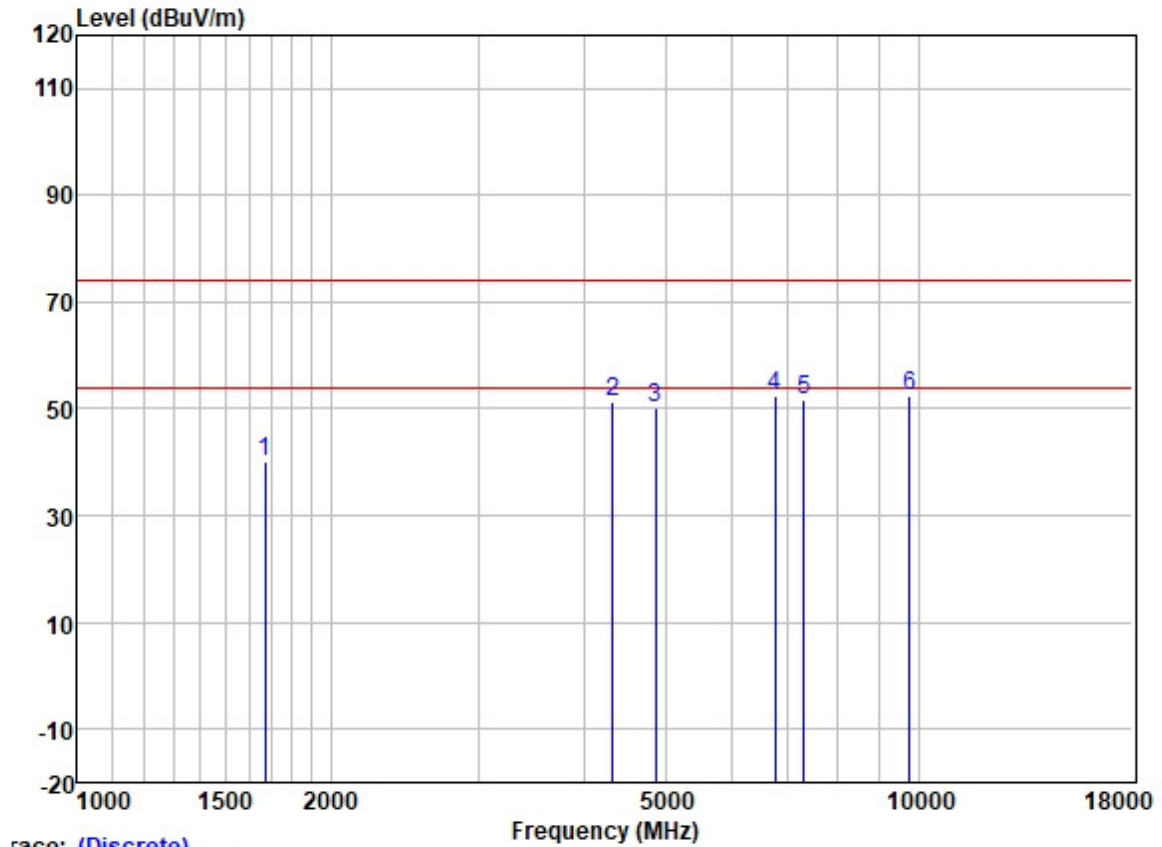
Test Mode: 00; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 40MHz; Channel: Low



Trace: (Discrete)

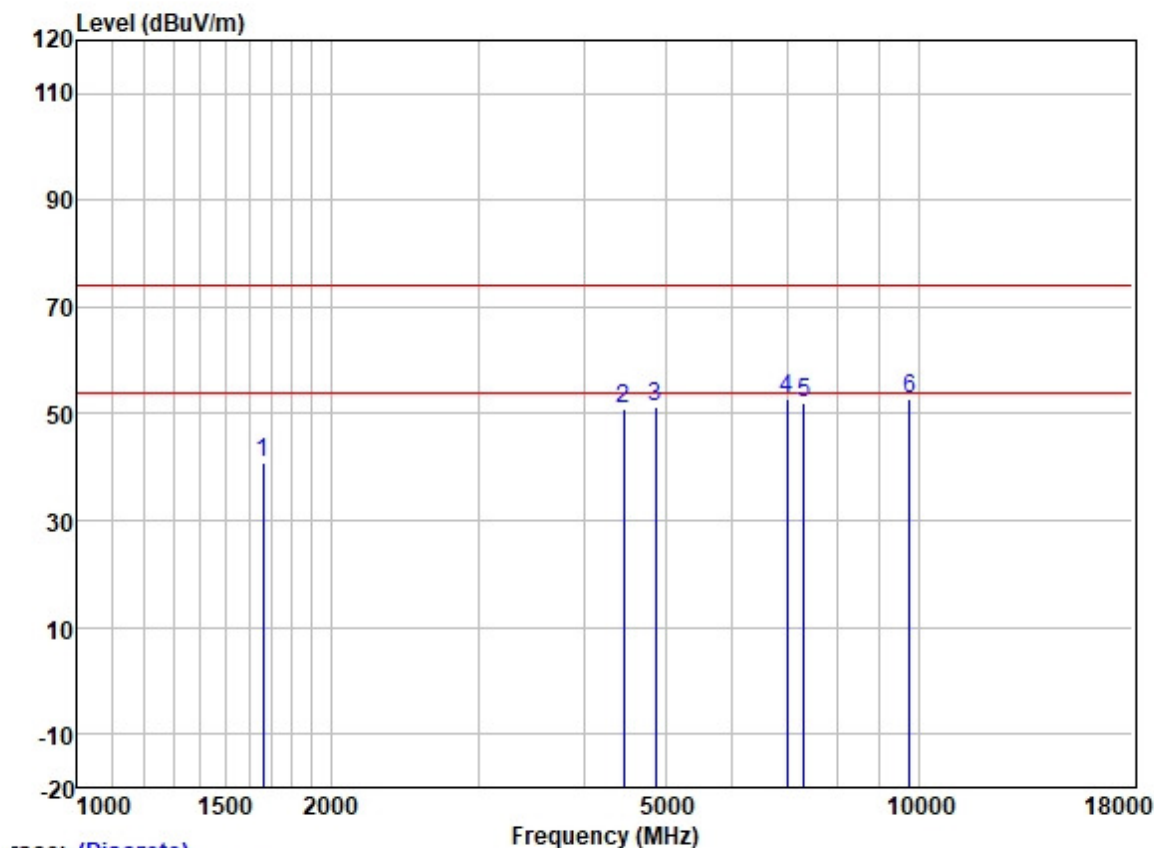
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1677.621	50.39	25.68	2.80	37.91	40.96	74.00	-33.04	VERTICAL	Peak
2	4392.376	52.88	30.66	4.70	36.81	51.43	74.00	-22.57	VERTICAL	Peak
3	4844.000	51.13	31.50	5.45	36.84	51.24	74.00	-22.76	VERTICAL	Peak
4	6954.852	49.07	34.95	5.81	37.21	52.62	74.00	-21.38	VERTICAL	Peak
5	7266.000	48.44	35.78	6.06	37.41	52.87	74.00	-21.13	VERTICAL	Peak
6	9688.000	45.12	38.44	7.04	37.42	53.18	74.00	-20.82	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel: middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1672.779	49.57	25.67	2.80	37.91	40.13	74.00	-33.87	HORIZONTAL	Peak
2	4329.354	52.74	30.54	4.67	36.81	51.14	74.00	-22.86	HORIZONTAL	Peak
3	4874.000	50.03	31.54	5.50	36.84	50.23	74.00	-23.77	HORIZONTAL	Peak
4	6756.708	49.31	34.56	5.82	37.10	52.59	74.00	-21.41	HORIZONTAL	Peak
5	7311.000	47.00	35.93	6.11	37.42	51.62	74.00	-22.38	HORIZONTAL	Peak
6	9748.000	44.36	38.50	7.02	37.41	52.47	74.00	-21.53	HORIZONTAL	Peak

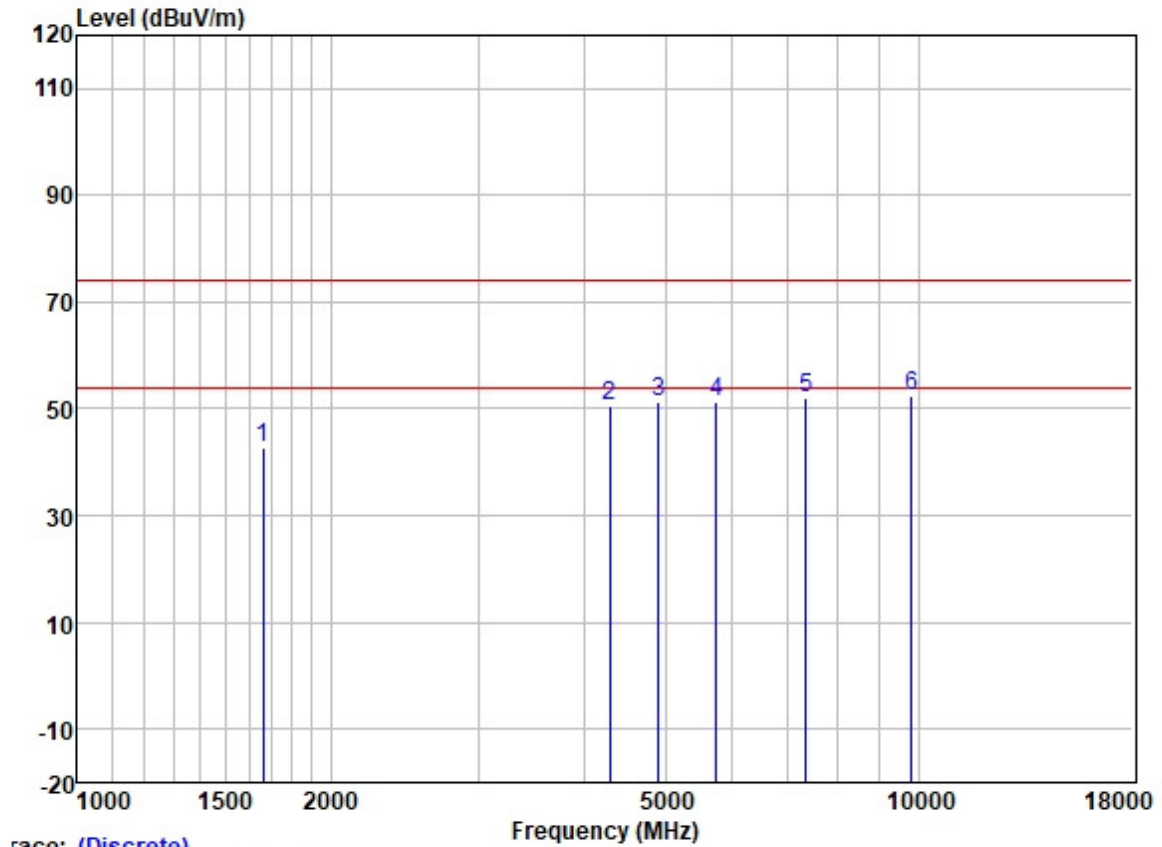
Test Mode: 00; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 40MHz; Channel: middle



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	50.27	25.65	2.80	37.91	40.81	74.00	-33.19	VERTICAL	Peak
2	4456.315	51.97	30.75	4.88	36.81	50.79	74.00	-23.21	VERTICAL	Peak
3	4874.000	51.07	31.54	5.50	36.84	51.27	74.00	-22.73	VERTICAL	Peak
4	6974.982	49.29	34.97	5.81	37.23	52.84	74.00	-21.16	VERTICAL	Peak
5	7311.000	47.49	35.93	6.11	37.42	52.11	74.00	-21.89	VERTICAL	Peak
6	9748.000	44.53	38.50	7.02	37.41	52.64	74.00	-21.36	VERTICAL	Peak

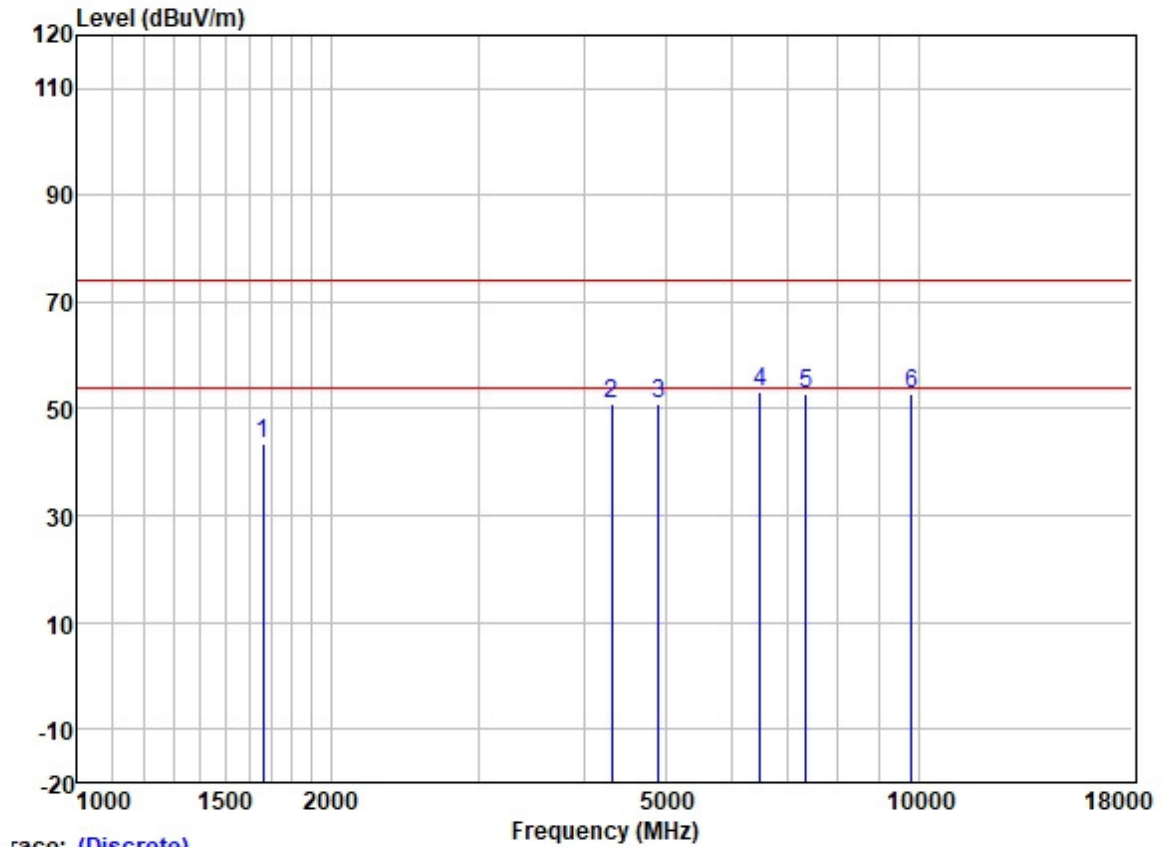
Test Mode: 00; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 40MHz; Channel: High



race: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	52.26	25.65	2.80	37.91	42.80	74.00	-31.20	HORIZONTAL	Peak
2	4291.977	52.39	30.45	4.64	36.81	50.67	74.00	-23.33	HORIZONTAL	Peak
3	4904.000	51.05	31.58	5.55	36.84	51.34	74.00	-22.66	HORIZONTAL	Peak
4	5746.982	50.02	32.10	6.20	36.89	51.43	74.00	-22.57	HORIZONTAL	Peak
5	7356.000	47.44	36.06	6.15	37.44	52.21	74.00	-21.79	HORIZONTAL	Peak
6	9808.000	44.11	38.56	7.00	37.41	52.26	74.00	-21.74	HORIZONTAL	Peak

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel: High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	53.04	25.65	2.80	37.91	43.58	74.00	-30.42	VERTICAL	Peak
2	4316.859	52.67	30.51	4.66	36.81	51.03	74.00	-22.97	VERTICAL	Peak
3	4904.000	50.67	31.58	5.55	36.84	50.96	74.00	-23.04	VERTICAL	Peak
4	6488.754	50.38	33.96	5.85	37.01	53.18	74.00	-20.82	VERTICAL	Peak
5	7356.000	47.96	36.06	6.15	37.44	52.73	74.00	-21.27	VERTICAL	Peak
6	9808.000	44.56	38.56	7.00	37.41	52.71	74.00	-21.29	VERTICAL	Peak

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR2206000734AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for GZCR2206000734AT



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10 Appendix

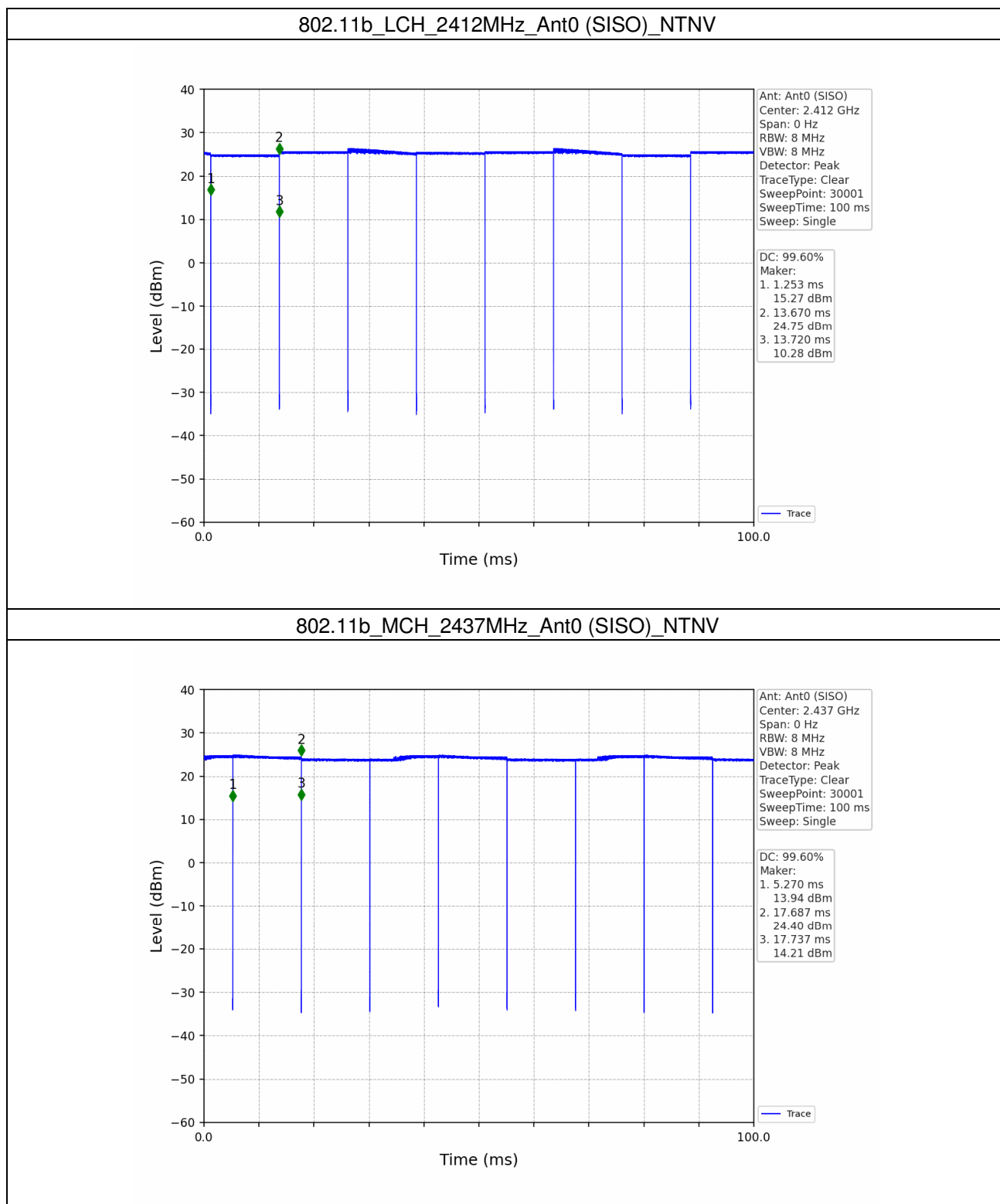
1. Duty Cycle

1.1 Ant0

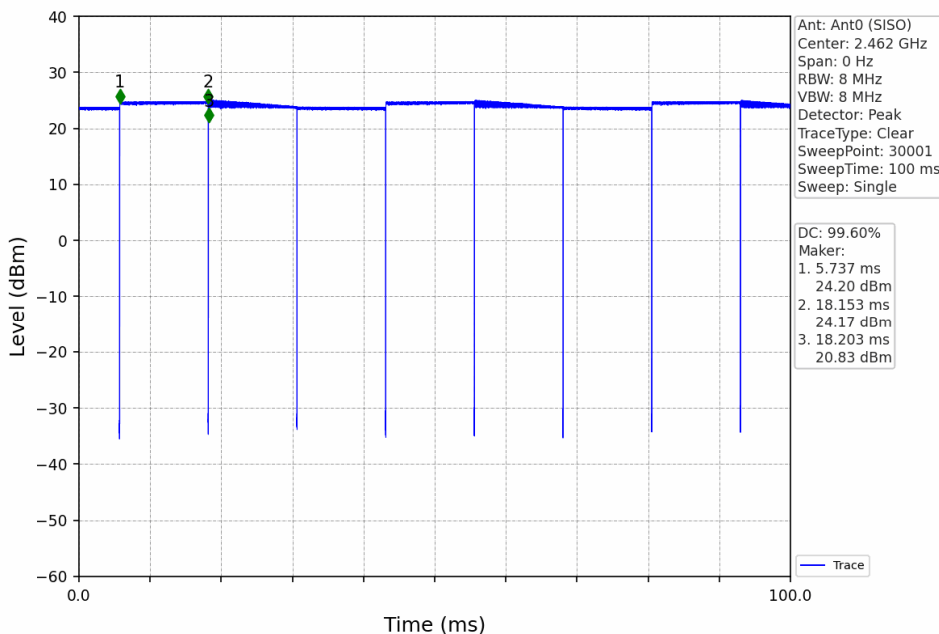
1.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	12.417	12.467	99.60	0.02	0.00
		2437	12.417	12.467	99.60	0.02	0.00
		2462	12.416	12.466	99.60	0.02	0.00
802.11g	SISO	2412	2.064	2.120	97.36	0.12	0.00
		2437	2.064	2.121	97.31	0.12	0.00
		2462	2.065	2.121	97.36	0.12	0.03
802.11n (HT20)	MIMO	2412	0.984	1.040	94.62	0.24	0.00
		2437	0.985	1.041	94.62	0.24	0.03
		2462	0.985	1.041	94.62	0.24	0.04
802.11n (HT40)	MIMO	2422	0.497	0.553	89.87	0.46	0.04
		2437	0.497	0.553	89.87	0.46	0.07
		2452	0.497	0.553	89.87	0.46	0.07

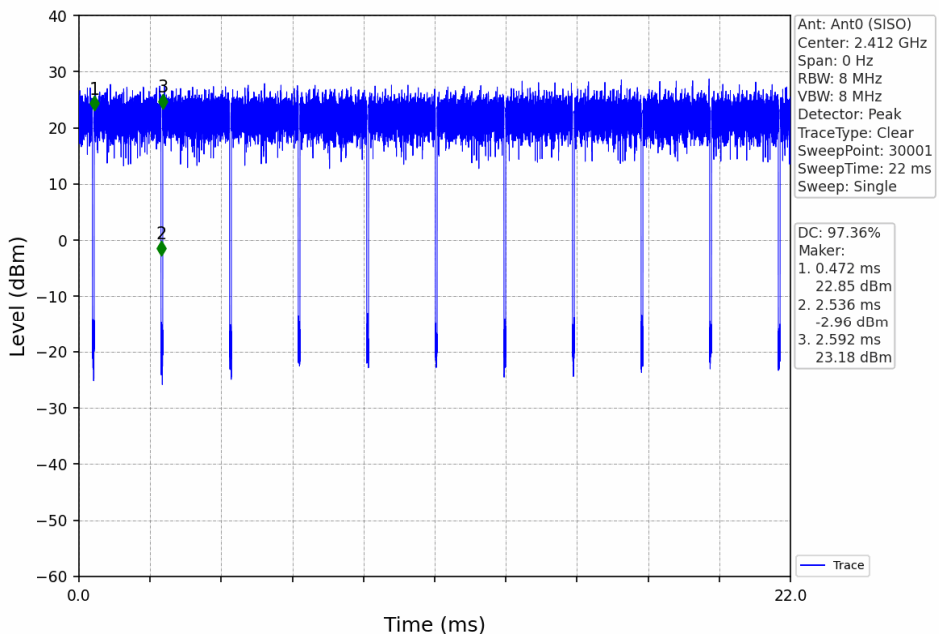
1.1.2 Test Graph



802.11b_HCH_2462MHz_Ant0 (SISO)_NTNV

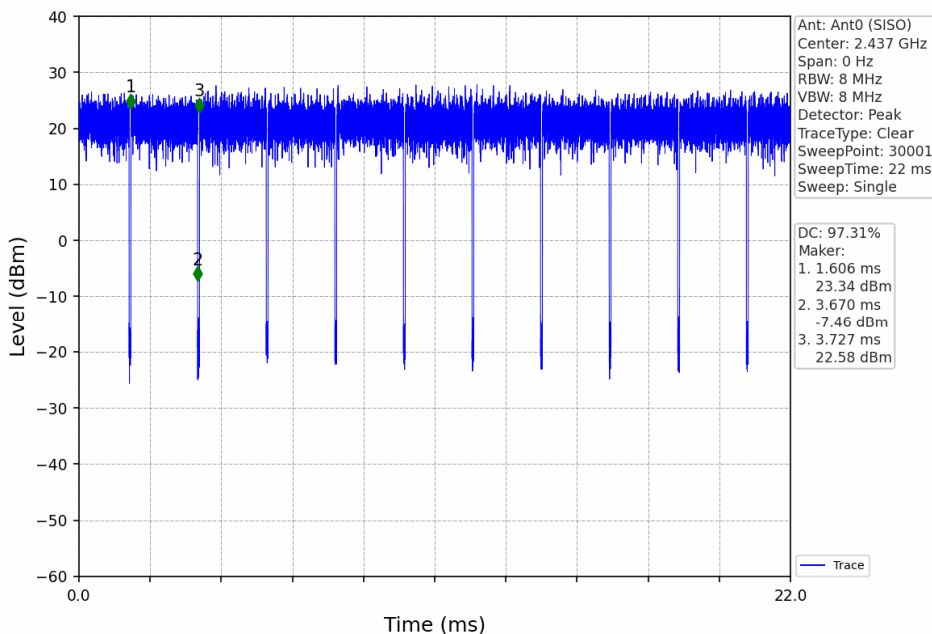


802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV

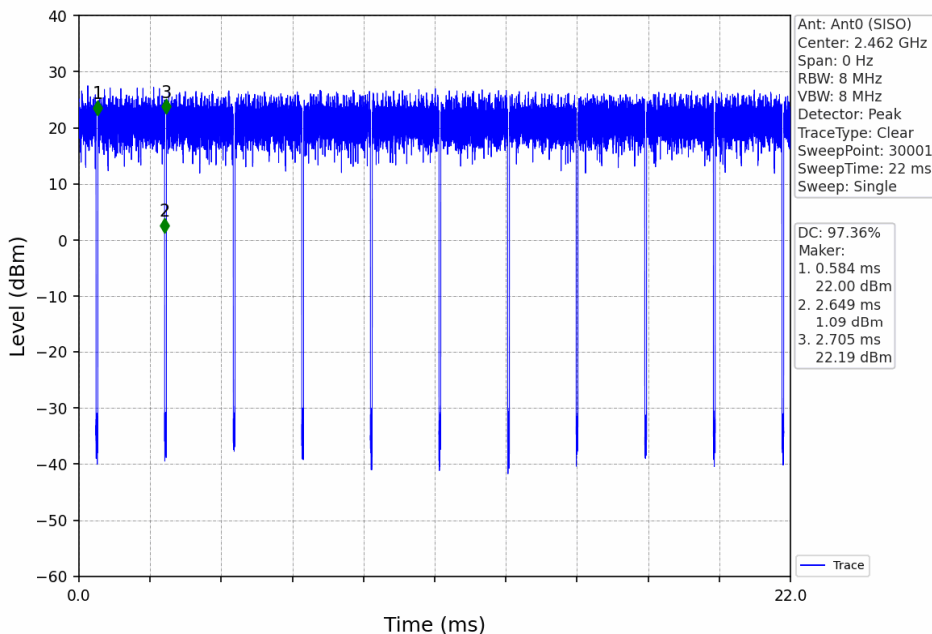


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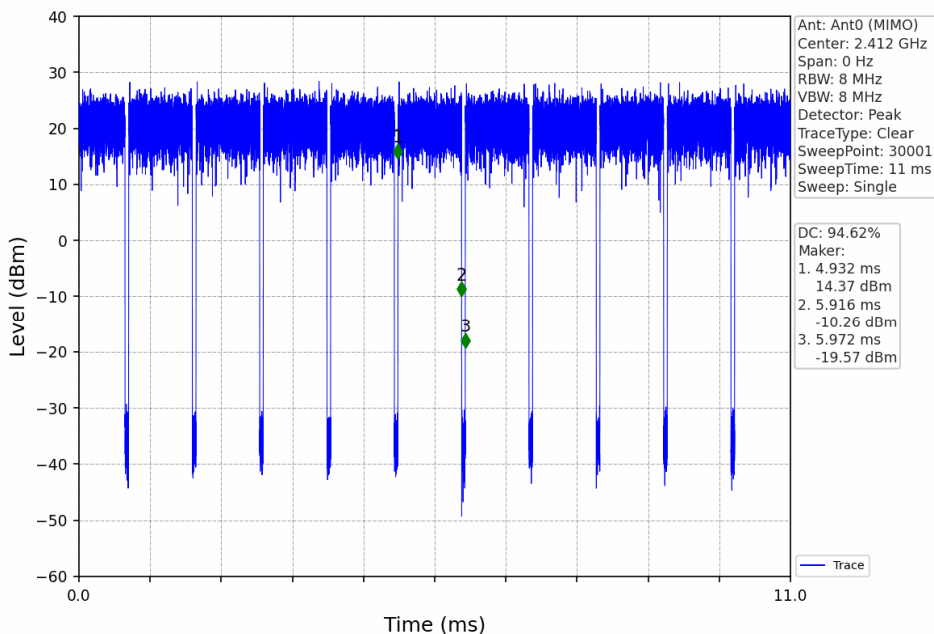
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



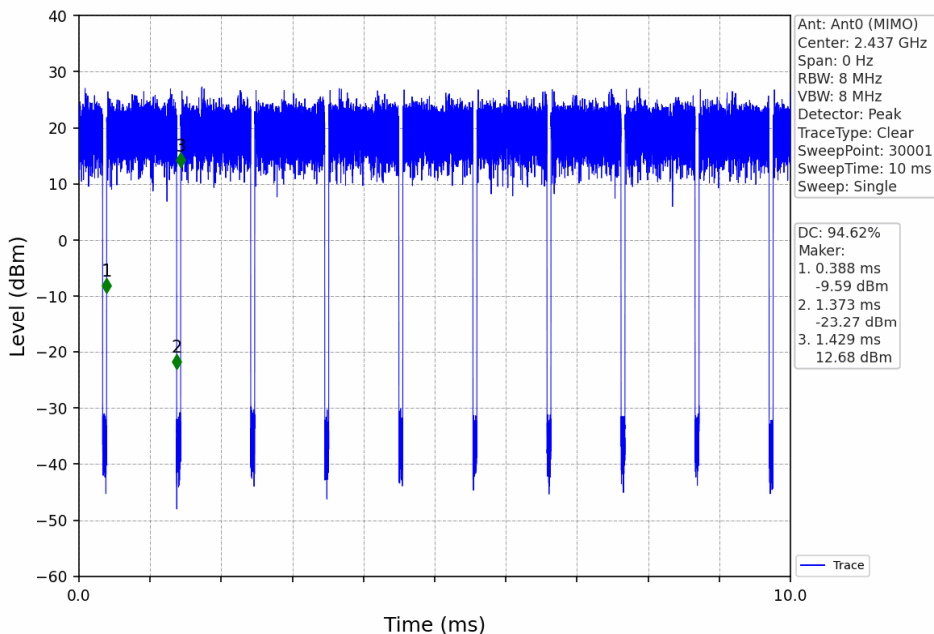
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV

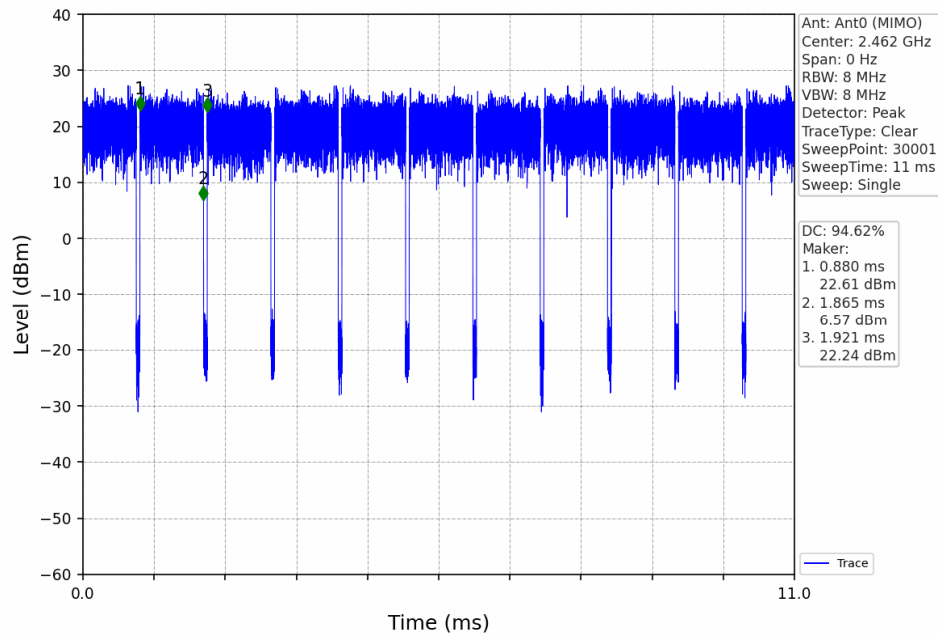


802.11n(HT20)_MCH_2437MHz_Ant0 (MIMO)_NTNV

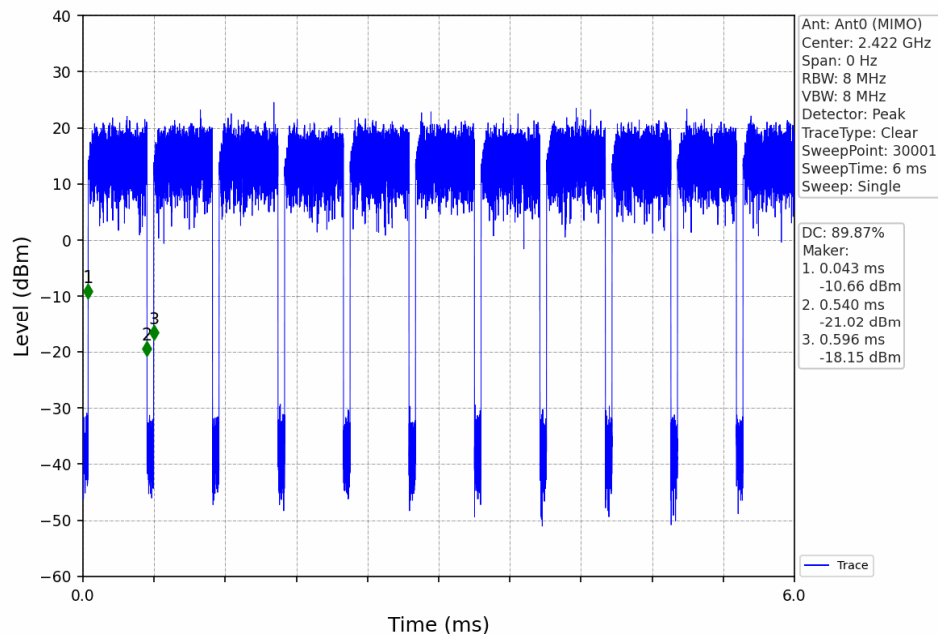


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802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV

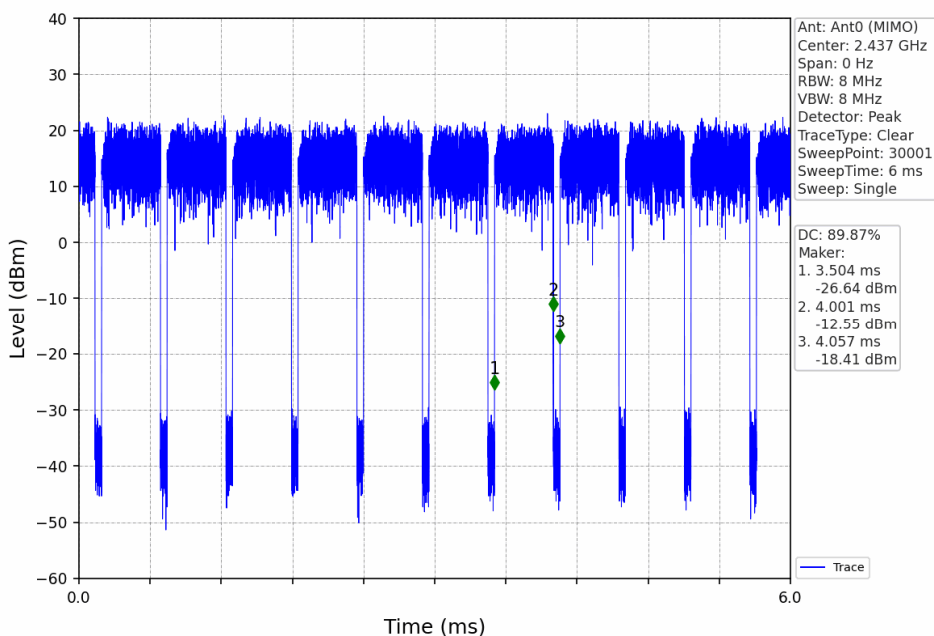


802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV

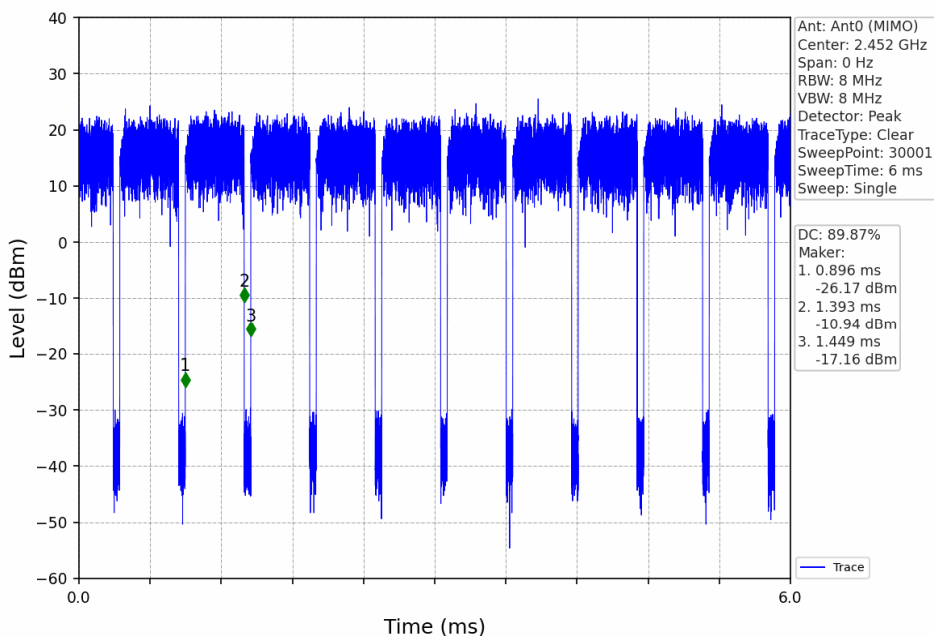


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802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



2. Bandwidth

2.1 OBW

2.1.1 Test Result

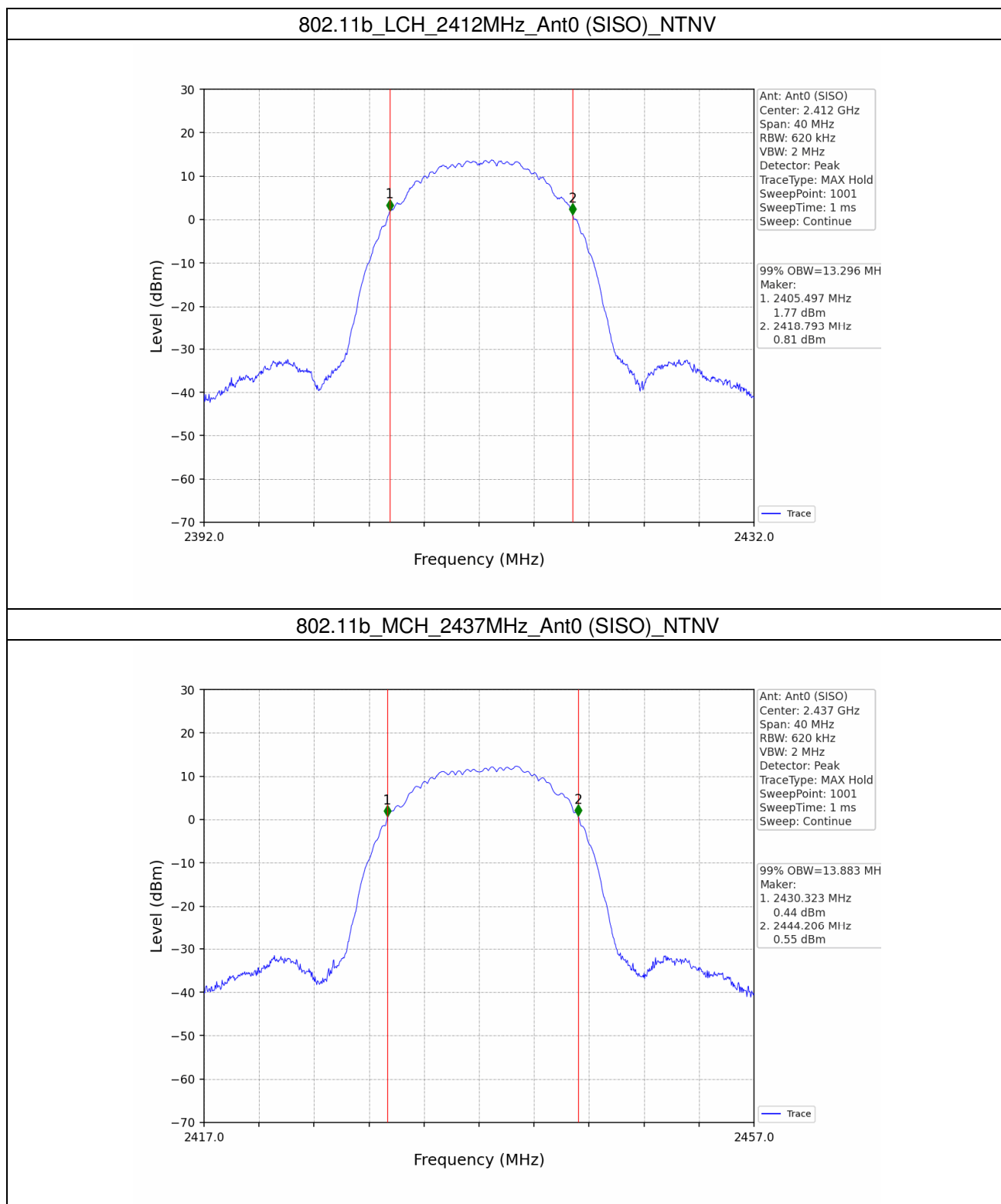
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	0	13.296	Pass
		2437	0	13.883	Pass
		2462	0	13.949	Pass
802.11g	SISO	2412	0	17.370	Pass
		2437	0	18.069	Pass
		2462	0	18.323	Pass
802.11n (HT20)	MIMO	2412	0	18.376	Pass
		2437	0	18.448	Pass
		2462	0	18.570	Pass
802.11n (HT40)	MIMO	2422	0	37.643	Pass
		2437	0	37.994	Pass
		2452	0	37.480	Pass



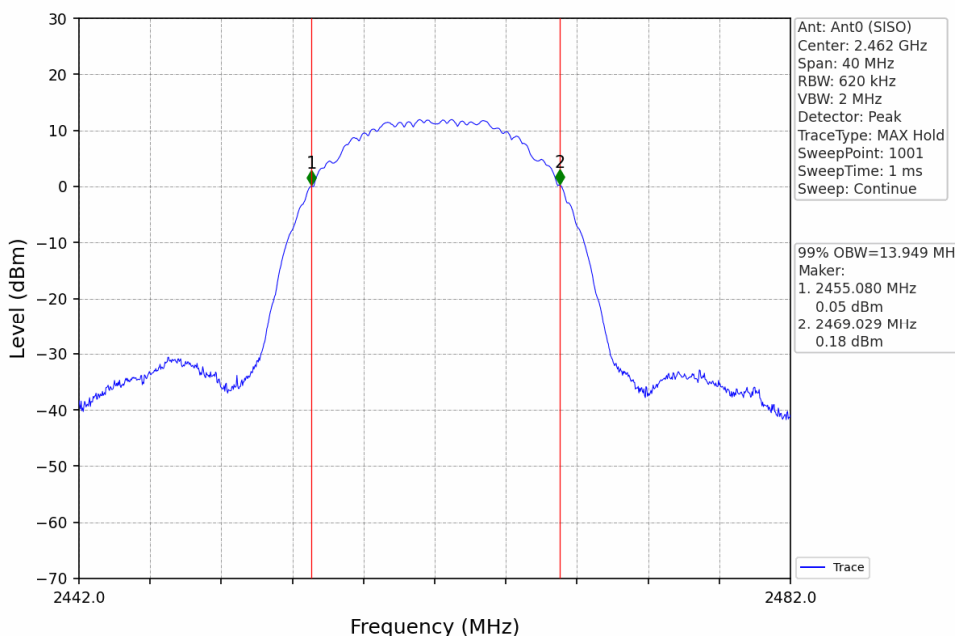
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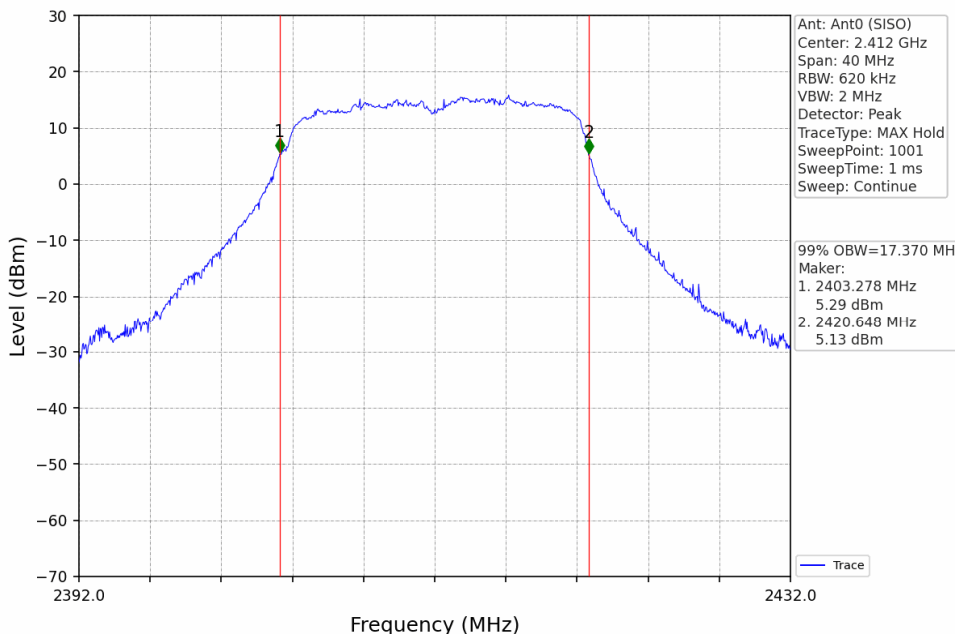
2.1.2 Test Graph



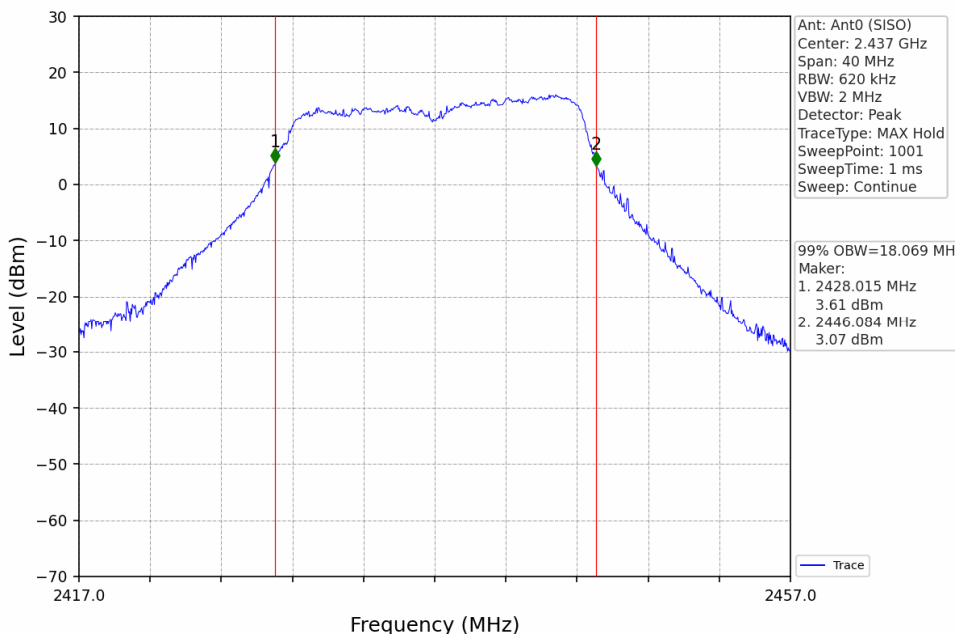
802.11b_HCH_2462MHz_Ant0 (SISO)_NTNV



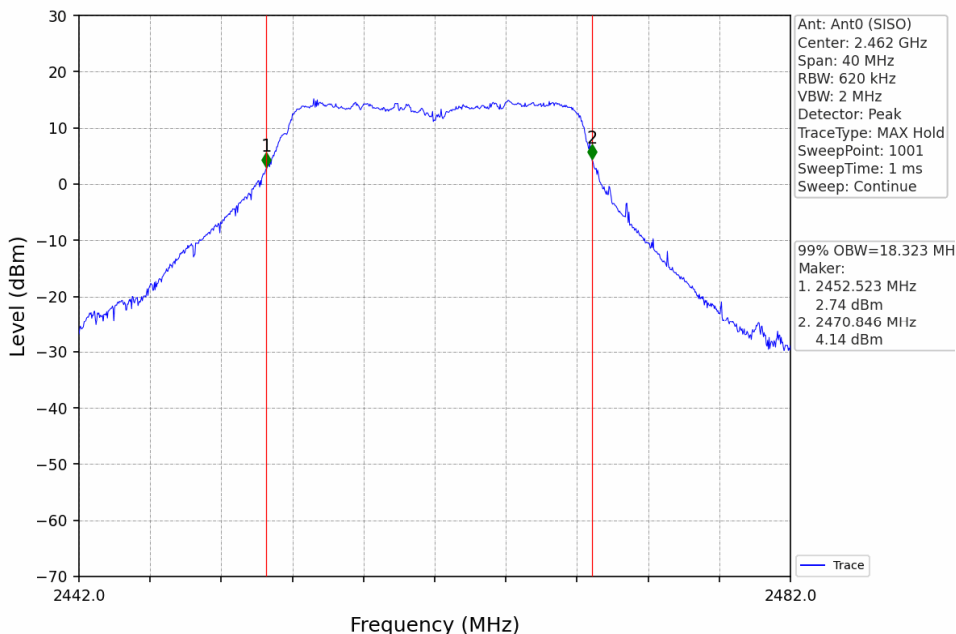
802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV



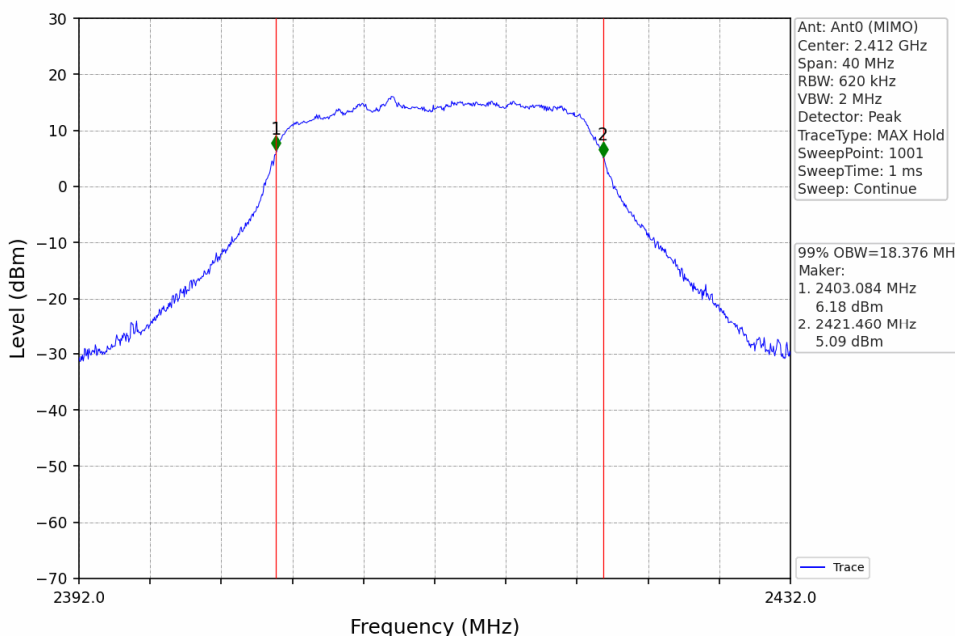
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



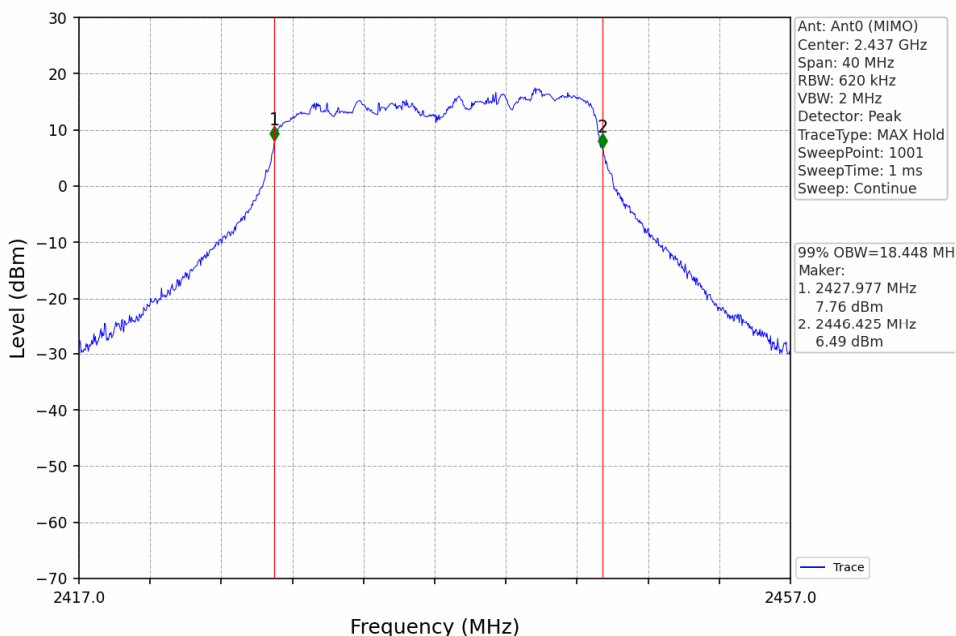
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



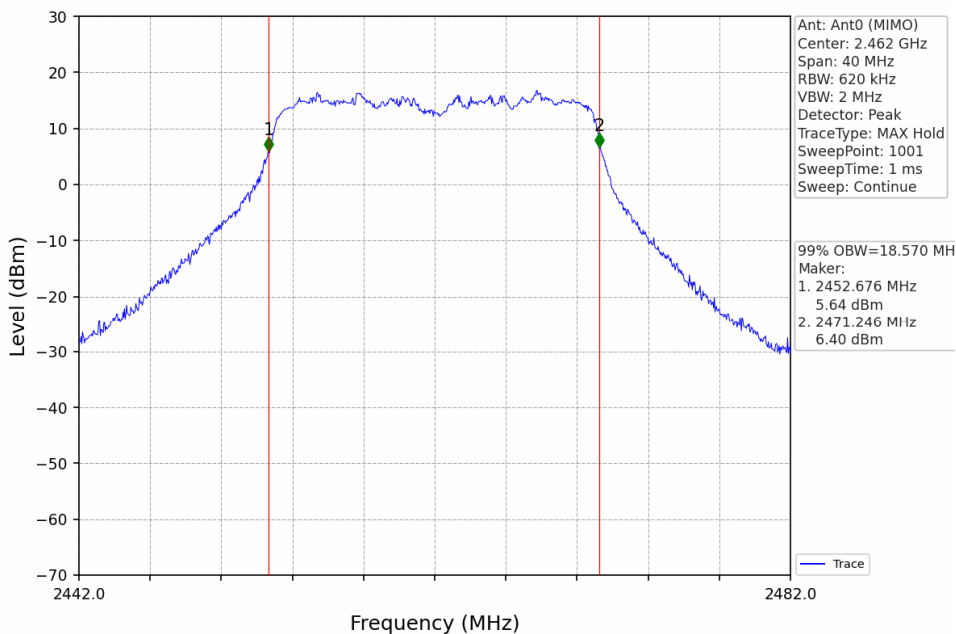
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



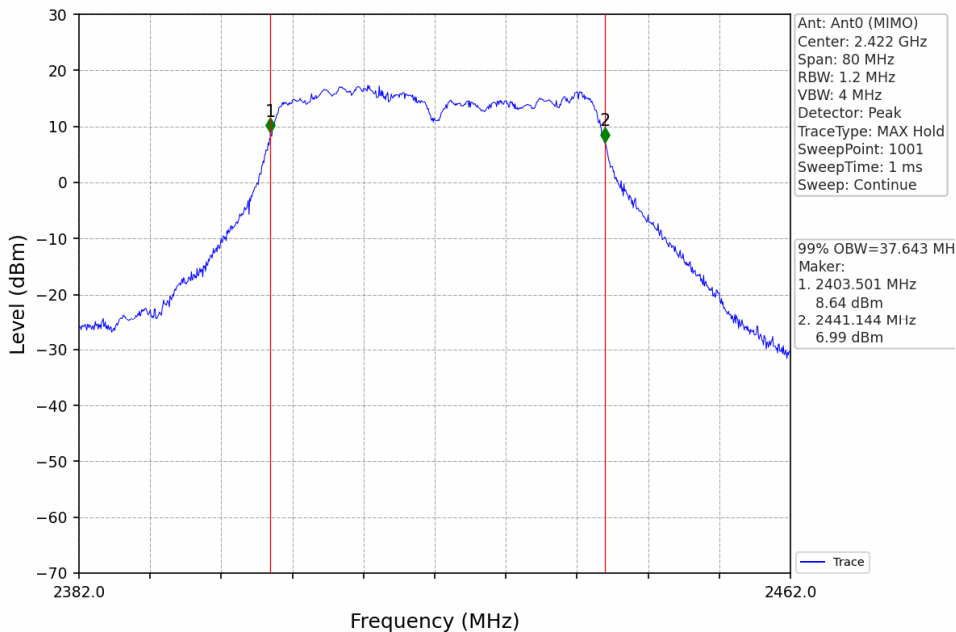
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802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV



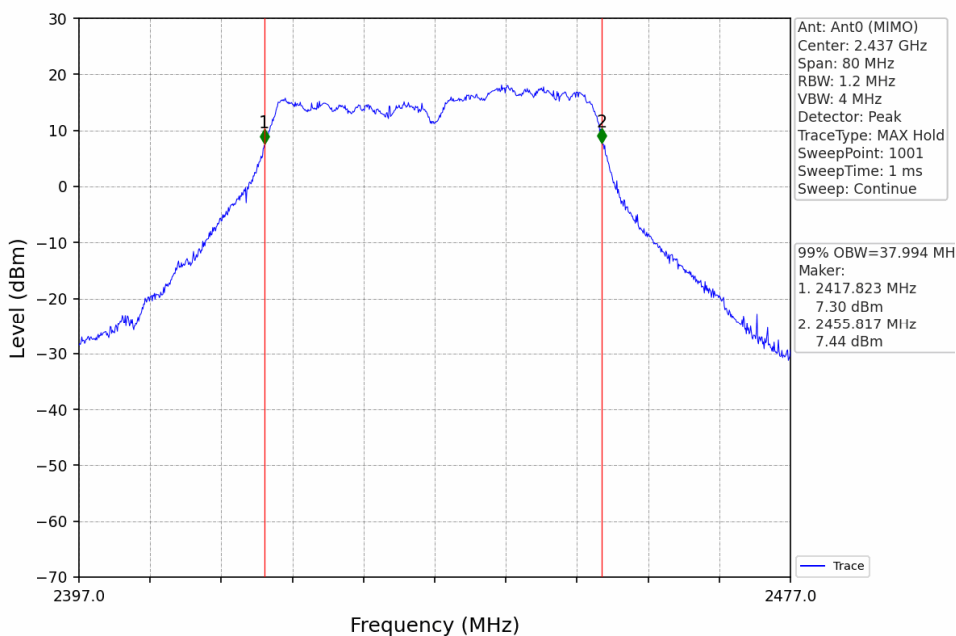
802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV



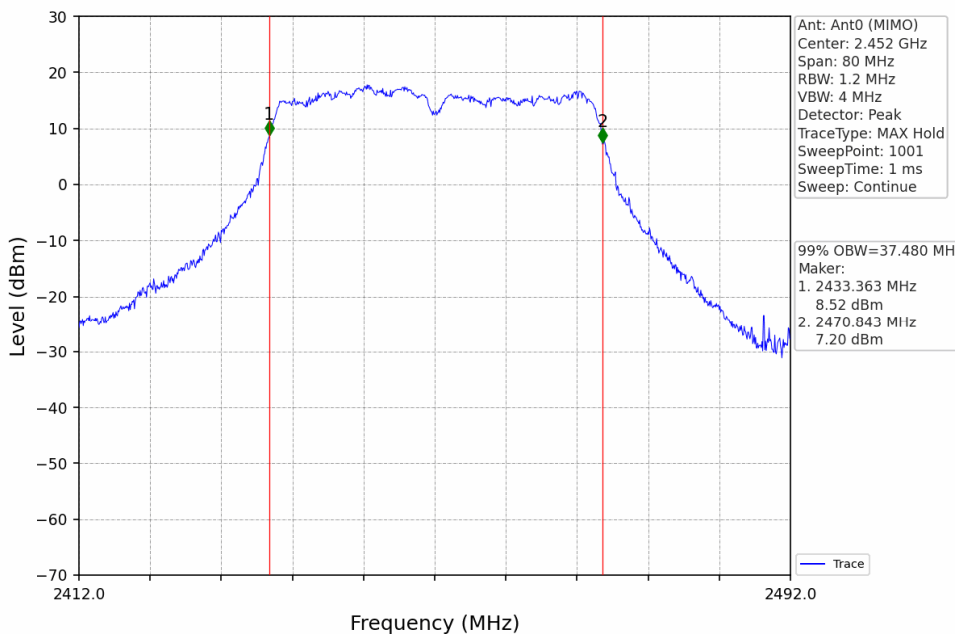
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802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



2.2 6dB BW

2.2.1 Test Result

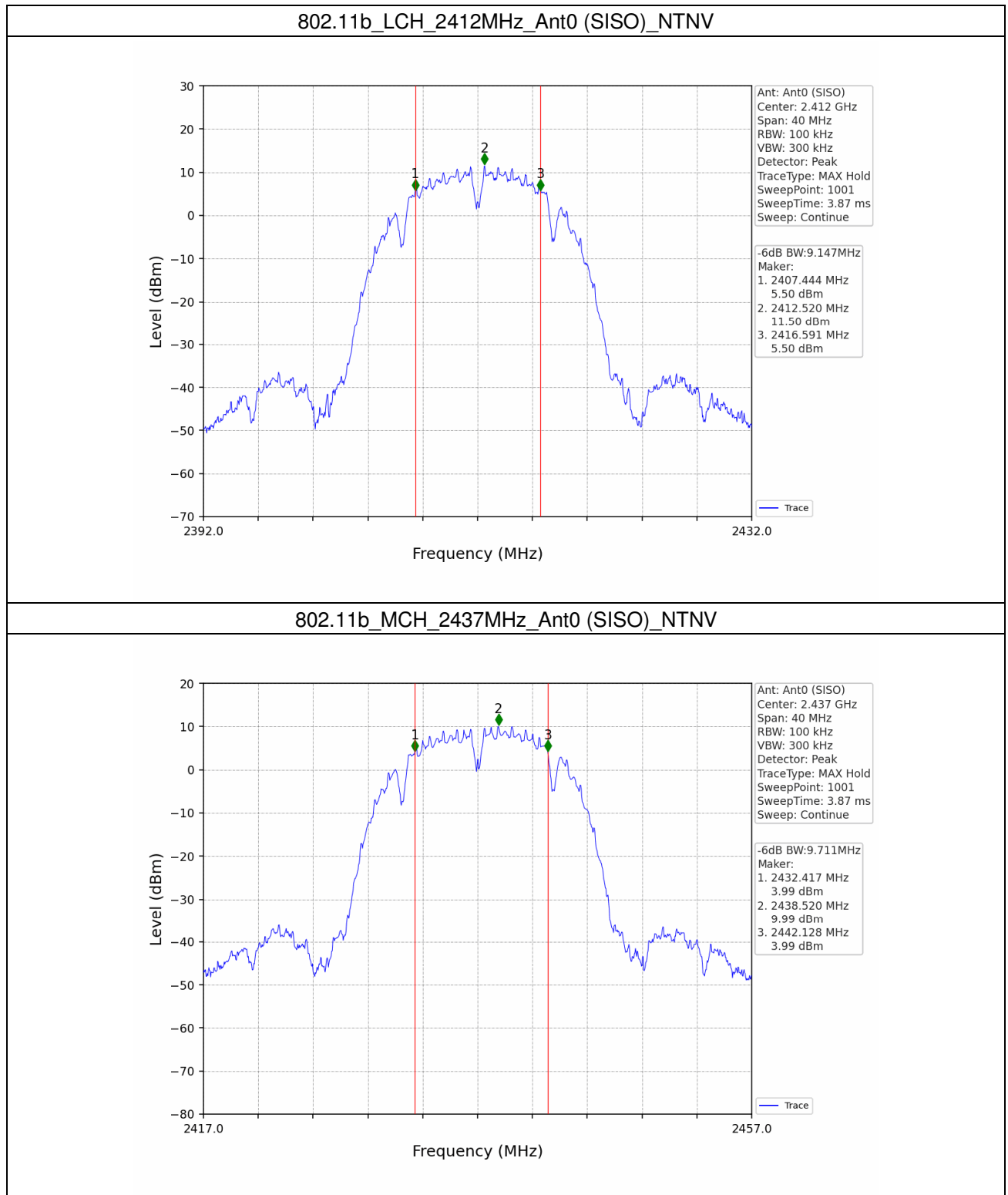
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	0	9.147	≥ 0.5	Pass
		2437	0	9.711	≥ 0.5	Pass
		2462	0	10.126	≥ 0.5	Pass
802.11g	SISO	2412	0	15.738	≥ 0.5	Pass
		2437	0	15.789	≥ 0.5	Pass
		2462	0	16.400	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	0	15.507	≥ 0.5	Pass
		2437	0	17.644	≥ 0.5	Pass
		2462	0	17.700	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	0	35.460	≥ 0.5	Pass
		2437	0	35.503	≥ 0.5	Pass
		2452	0	35.512	≥ 0.5	Pass



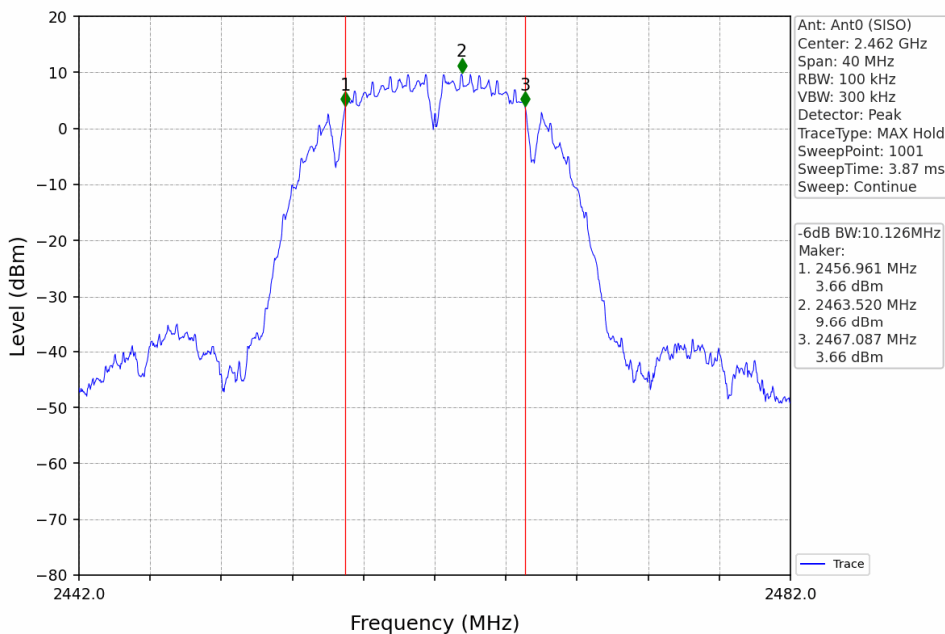
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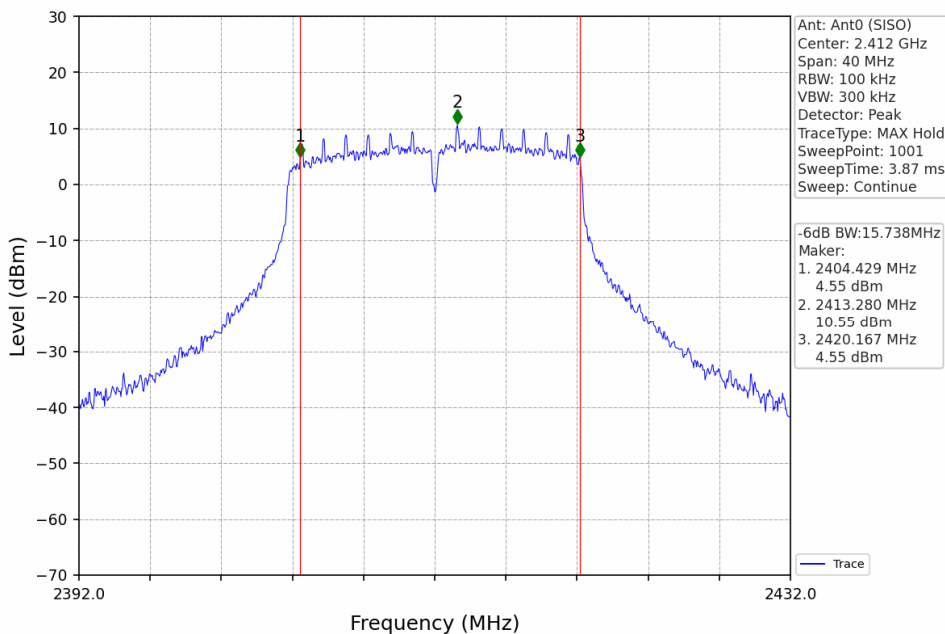
2.2.2 Test Graph



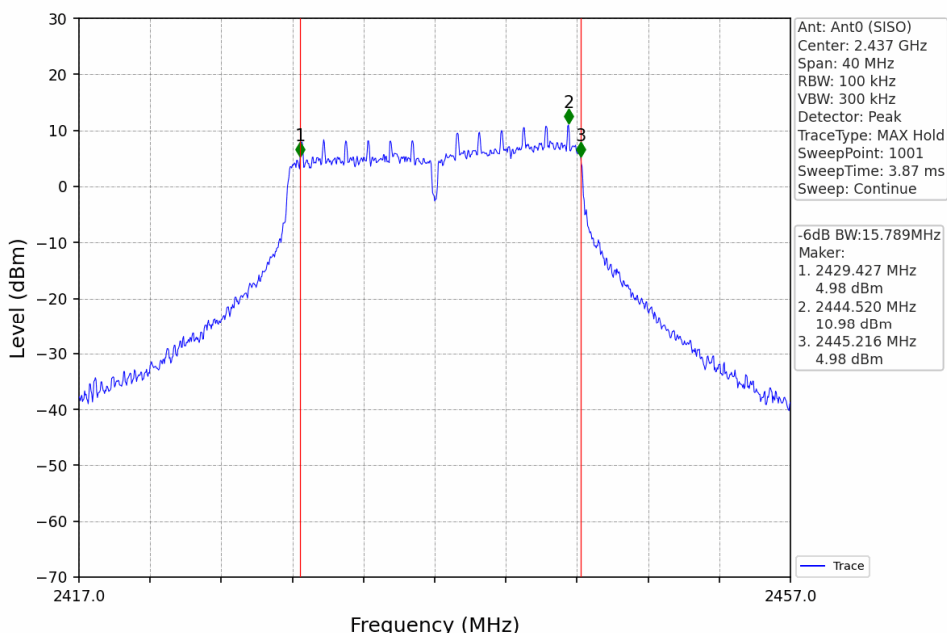
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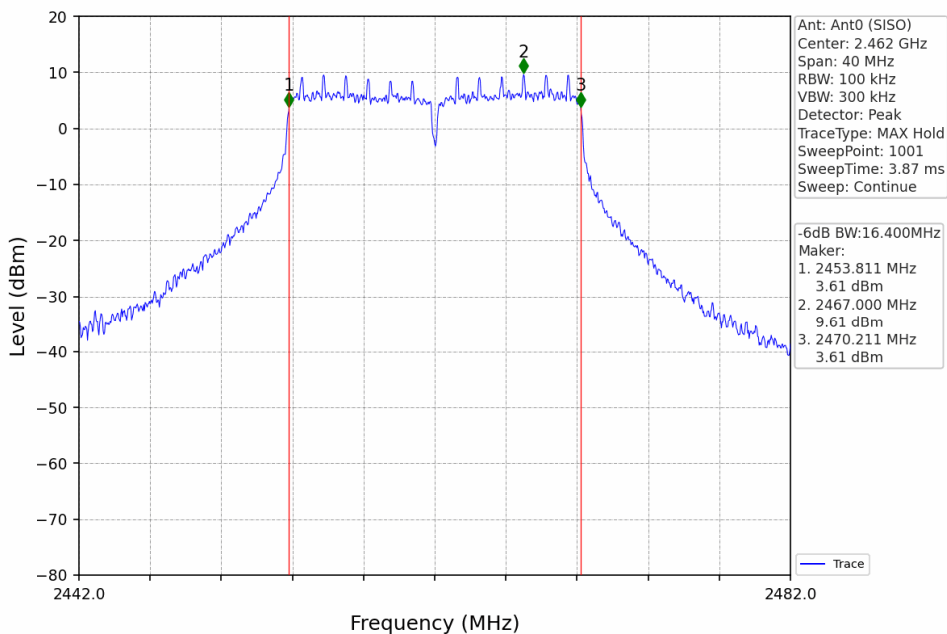
802.11g_LCH_2412MHz_Ant0 (SISO)_NTNV



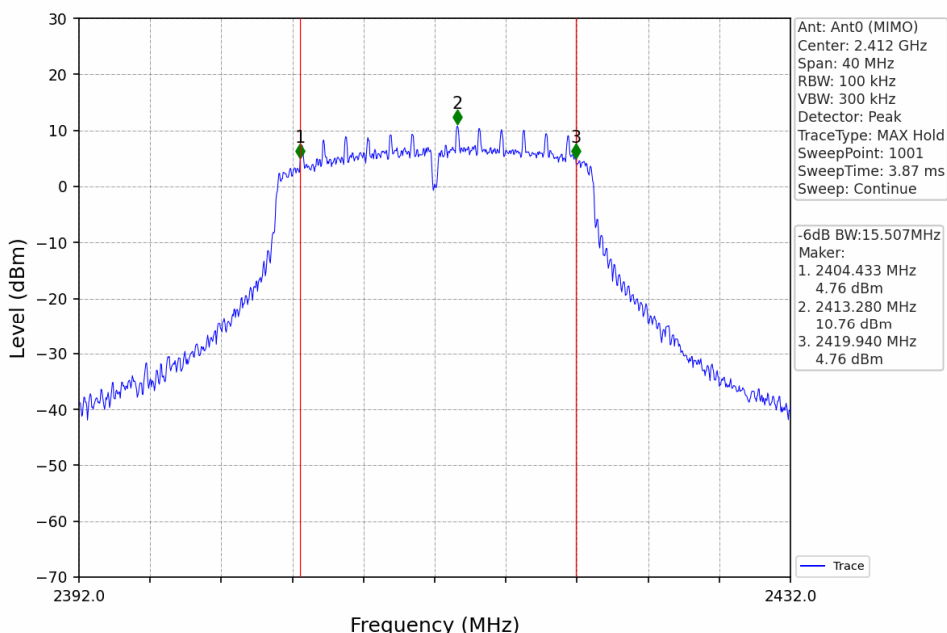
802.11g_MCH_2437MHz_Ant0 (SISO)_NTNV



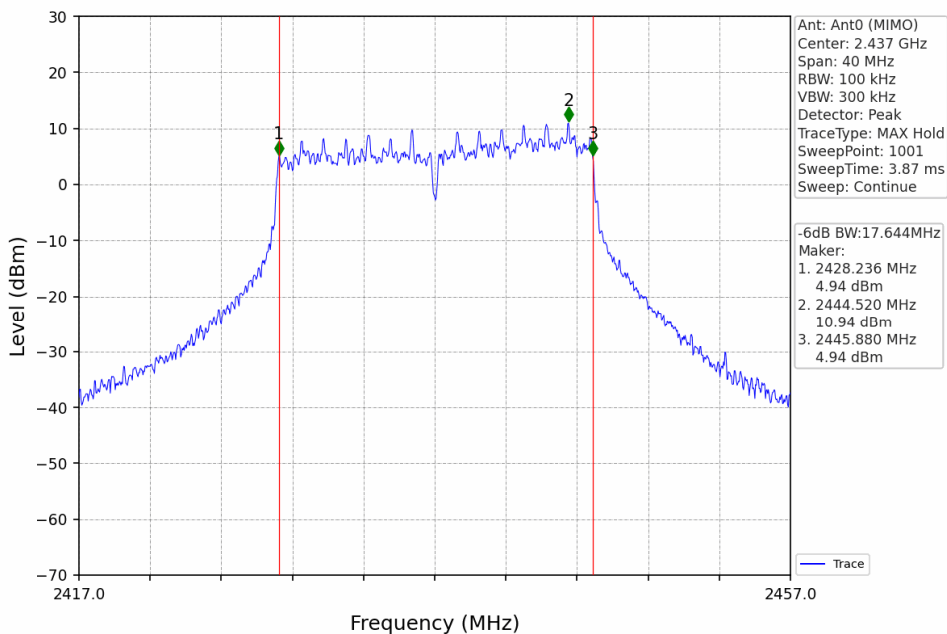
802.11g_HCH_2462MHz_Ant0 (SISO)_NTNV



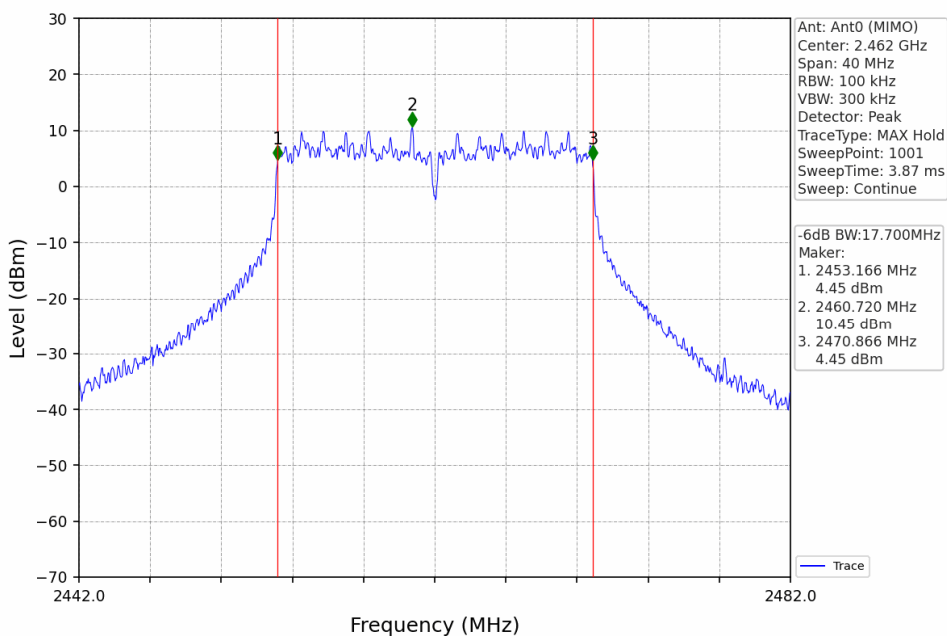
802.11n(HT20)_LCH_2412MHz_Ant0 (MIMO)_NTNV



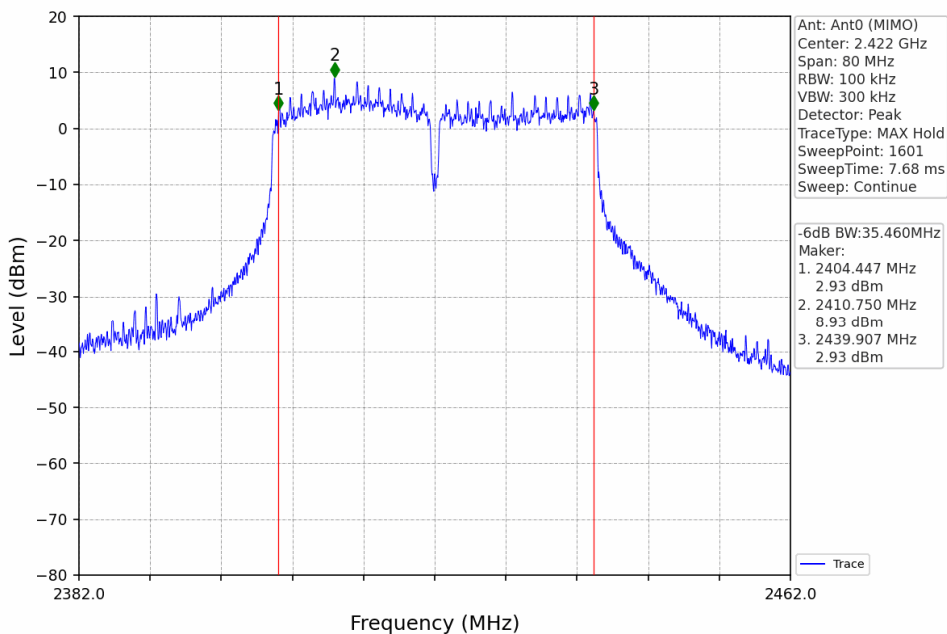
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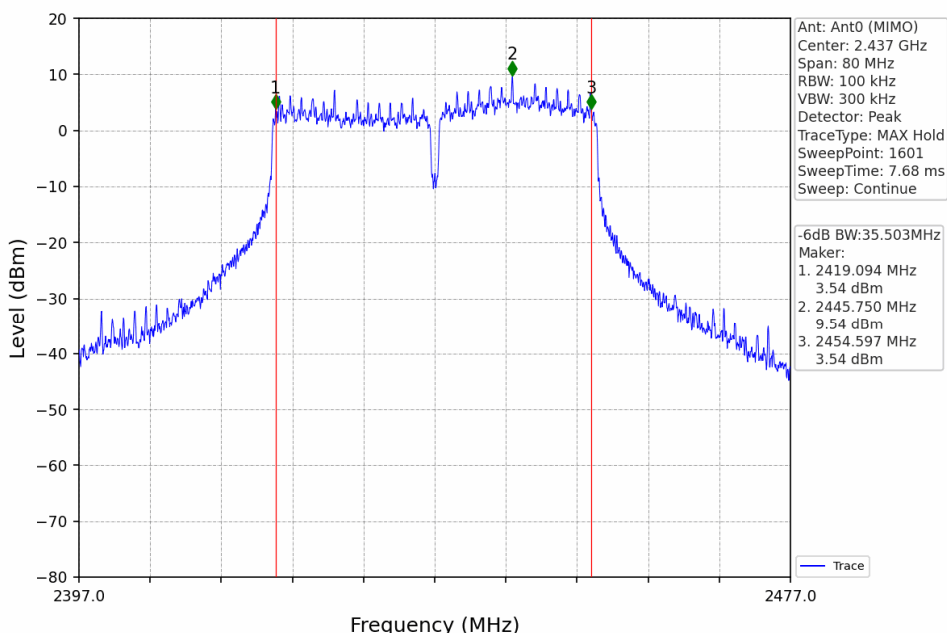
802.11n(HT20)_HCH_2462MHz_Ant0 (MIMO)_NTNV



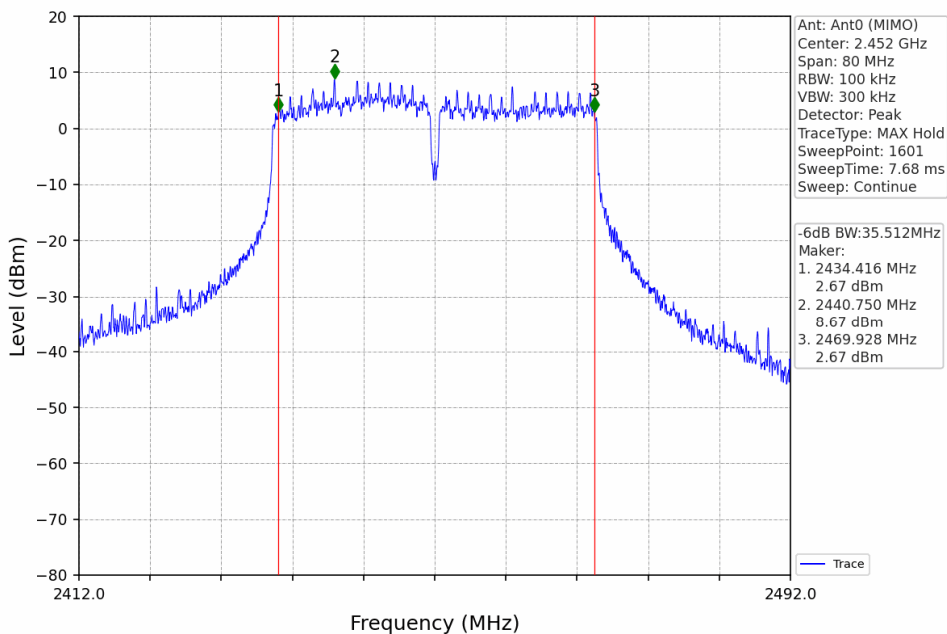
802.11n(HT40)_LCH_2422MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant0 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant0 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	21.17	21.21	/	<=30	Pass
		2437	20.38	20.11	/	<=30	Pass
		2462	20.34	20.41	/	<=30	Pass
802.11g	SISO	2412	15.35	14.72	/	<=30	Pass
		2437	21.04	20.60	/	<=30	Pass
		2462	15.14	15.00	/	<=30	Pass
802.11n (HT20)	MIMO	2412	15.20	14.57	17.91	<=30	Pass
		2437	20.99	20.64	23.83	<=30	Pass
		2462	15.13	14.91	18.03	<=30	Pass
802.11n (HT40)	MIMO	2422	11.03	10.67	13.86	<=30	Pass
		2437	17.49	17.38	20.45	<=30	Pass
		2452	14.02	13.85	16.95	<=30	Pass

Note1: Antenna Gain: Antenna 0&1=4.5dBi

Note2: Array Gain=0dBi

Note3: Directional Gain=G_{ANT}+ Array Gain = 4.5dBi+0 dBi = 4.5dBi.

4. Maximum Power Spectral Density

4.1 PSD

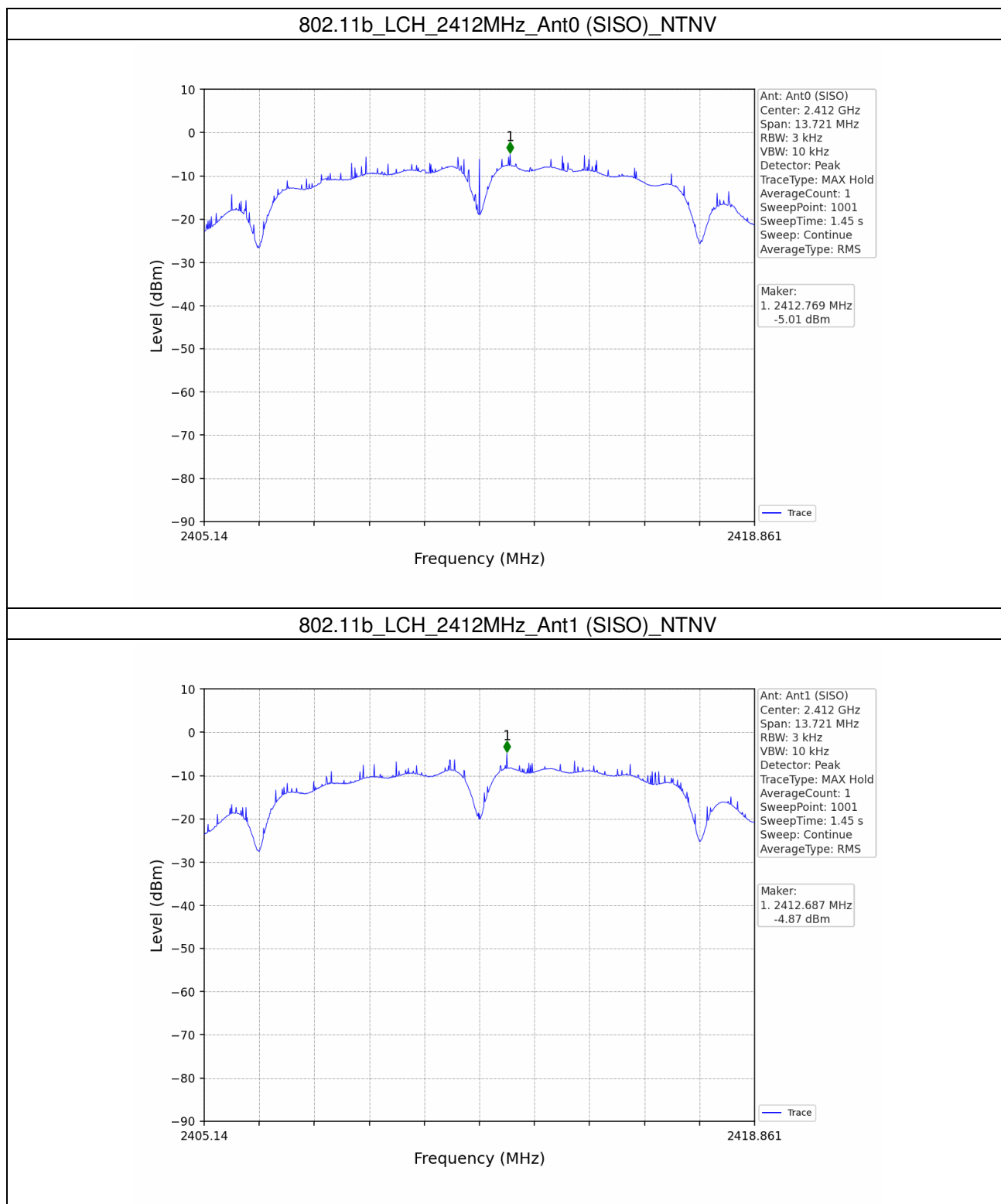
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT0	ANT1	MIMO	Limit	
802.11b	SISO	2412	-5.01	-4.87	/	<=8	Pass
		2437	-7.38	-6.04	/	<=8	Pass
		2462	-5.79	-6.36	/	<=8	Pass
802.11g	SISO	2412	-11.88	-11.63	/	<=8	Pass
		2437	-5.56	-7.11	/	<=8	Pass
		2462	-8.47	-12.65	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-10.72	-10.91	-8.71	<=6.49	Pass
		2437	-4.49	-6.26	-2.28	<=6.49	Pass
		2462	-11.81	-12.36	-9.51	<=6.49	Pass
802.11n (HT40)	MIMO	2422	-16.86	-16.97	-14.85	<=6.49	Pass
		2437	-6.57	-7.43	-3.97	<=6.49	Pass
		2452	-13.90	-13.87	-11.92	<=6.49	Pass

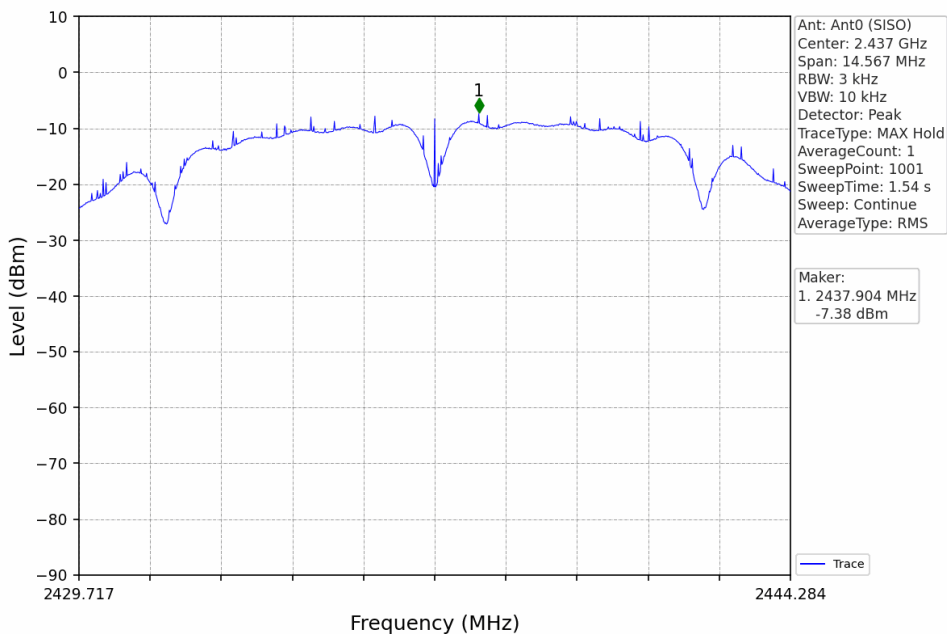
Note1: Antenna Gain: Antenna 0&1=4.5dBi

Note2: Array Gain= 10 log(N_{ANT}/N_{SS}) dB =3.01dBiNote3: Directional Gain=G_{ANT}+ Array Gain = 4.5dBi+3.01dBi = 7.51dBi.

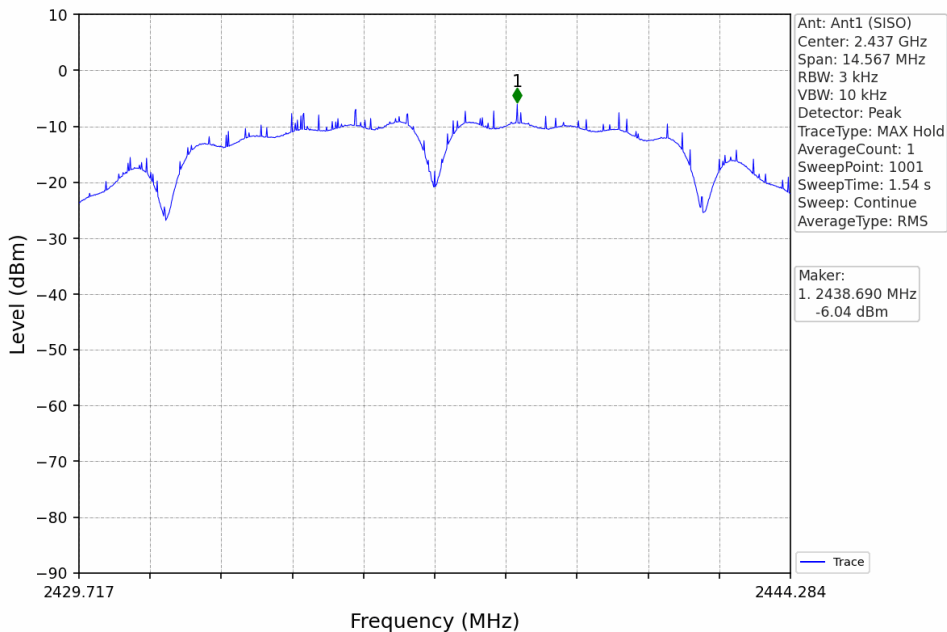
4.1.2 Test Graph



802.11b_MCH_2437MHz_Ant0 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



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