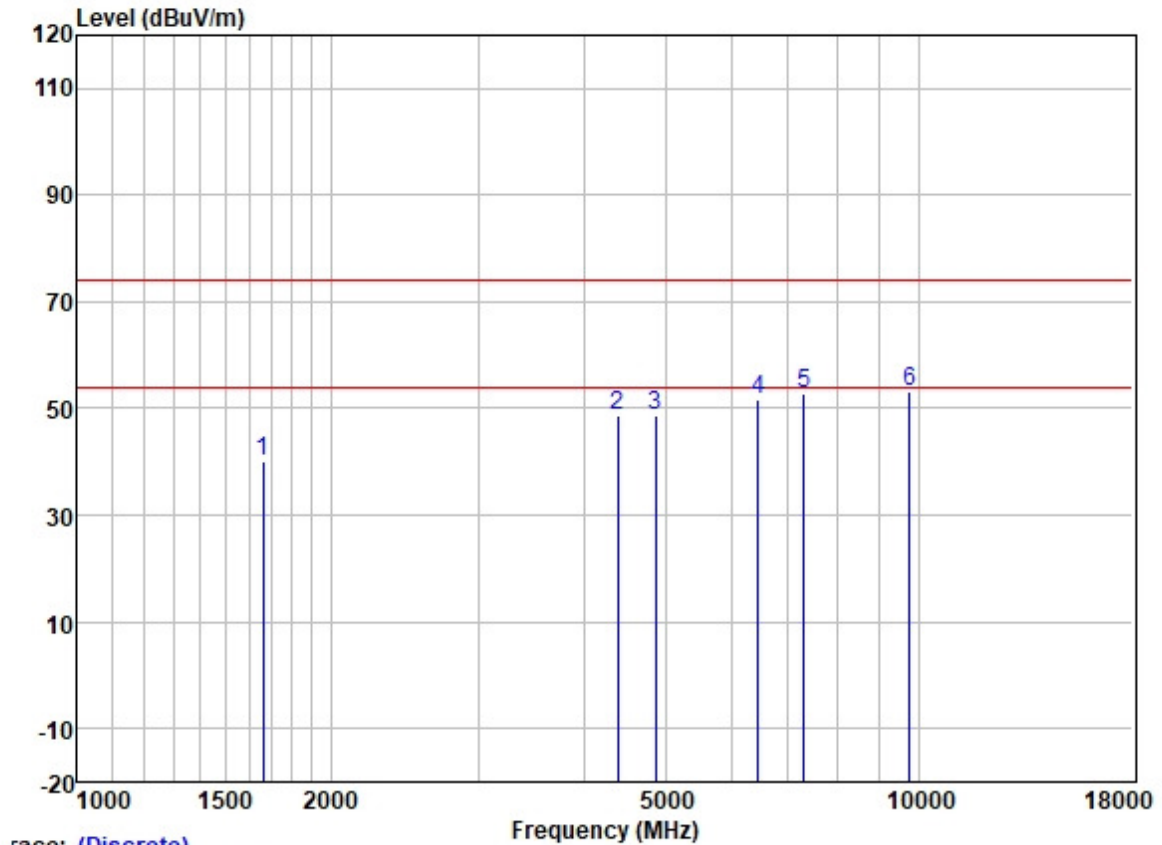
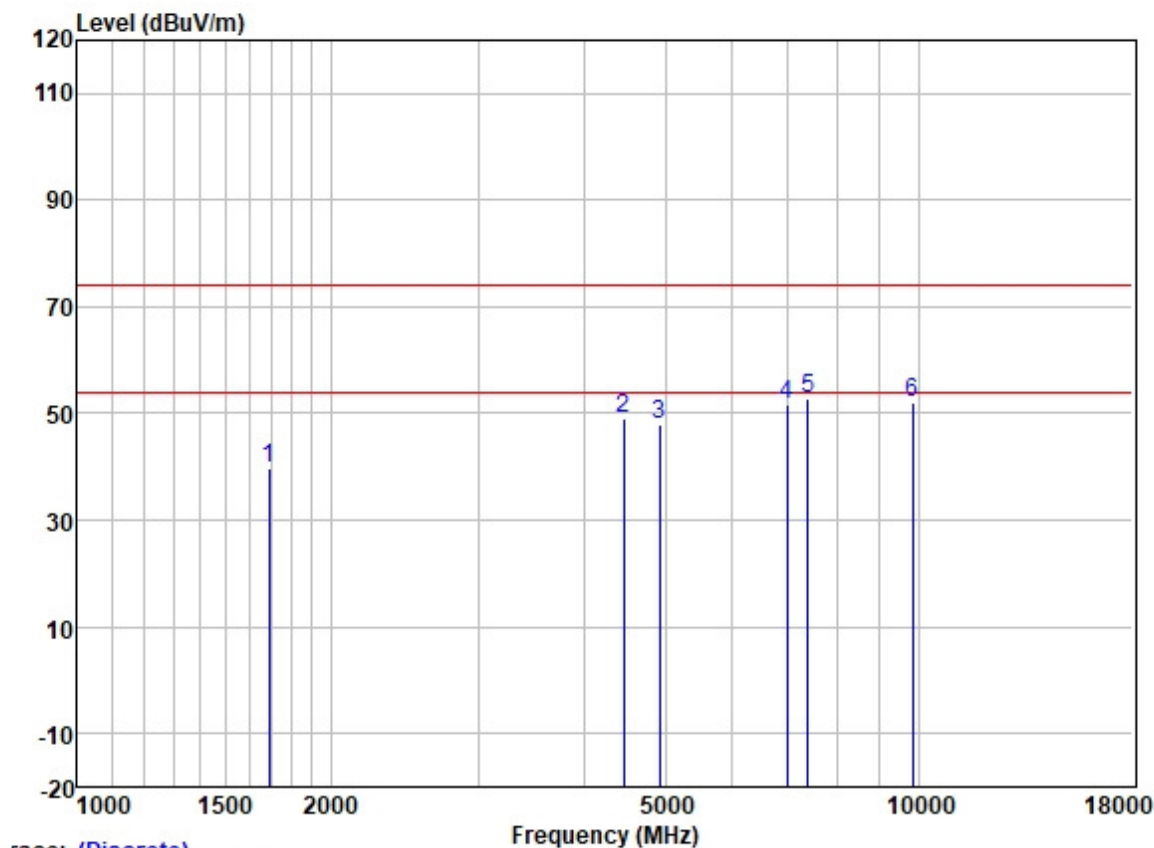


Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



	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	49.57	25.65	2.80	37.91	40.11	74.00	-33.89	VERTICAL	Peak
2	4392.376	49.97	30.66	4.70	36.81	48.52	74.00	-25.48	VERTICAL	Peak
3	4874.000	48.57	31.54	5.50	36.84	48.77	74.00	-25.23	VERTICAL	Peak
4	6451.353	49.11	33.88	5.87	37.00	51.86	74.00	-22.14	VERTICAL	Peak
5	7311.000	48.20	35.93	6.11	37.42	52.82	74.00	-21.18	VERTICAL	Peak
6	9748.000	45.07	38.50	7.02	37.41	53.18	74.00	-20.82	VERTICAL	Peak

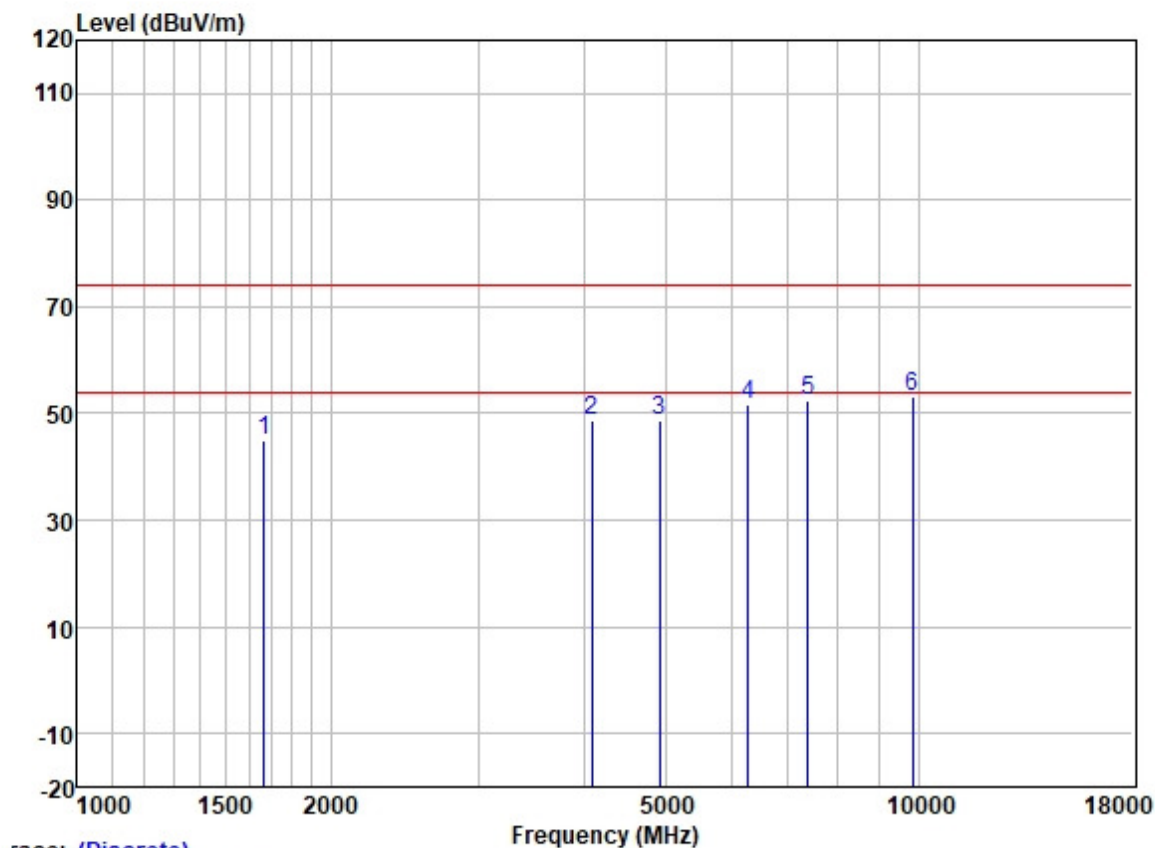
Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



race: (Discrete)

	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	1692.231	49.12	25.70	2.80	37.89	39.73	74.00	-34.27	HORIZONTAL Peak
2	4456.315	50.11	30.75	4.88	36.81	48.93	74.00	-25.07	HORIZONTAL Peak
3	4924.000	47.47	31.62	5.60	36.84	47.85	74.00	-26.15	HORIZONTAL Peak
4	6974.982	48.01	34.97	5.81	37.23	51.56	74.00	-22.44	HORIZONTAL Peak
5	7386.000	47.97	36.17	6.19	37.45	52.88	74.00	-21.12	HORIZONTAL Peak
6	9848.000	44.06	38.58	6.99	37.41	52.22	74.00	-21.78	HORIZONTAL Peak

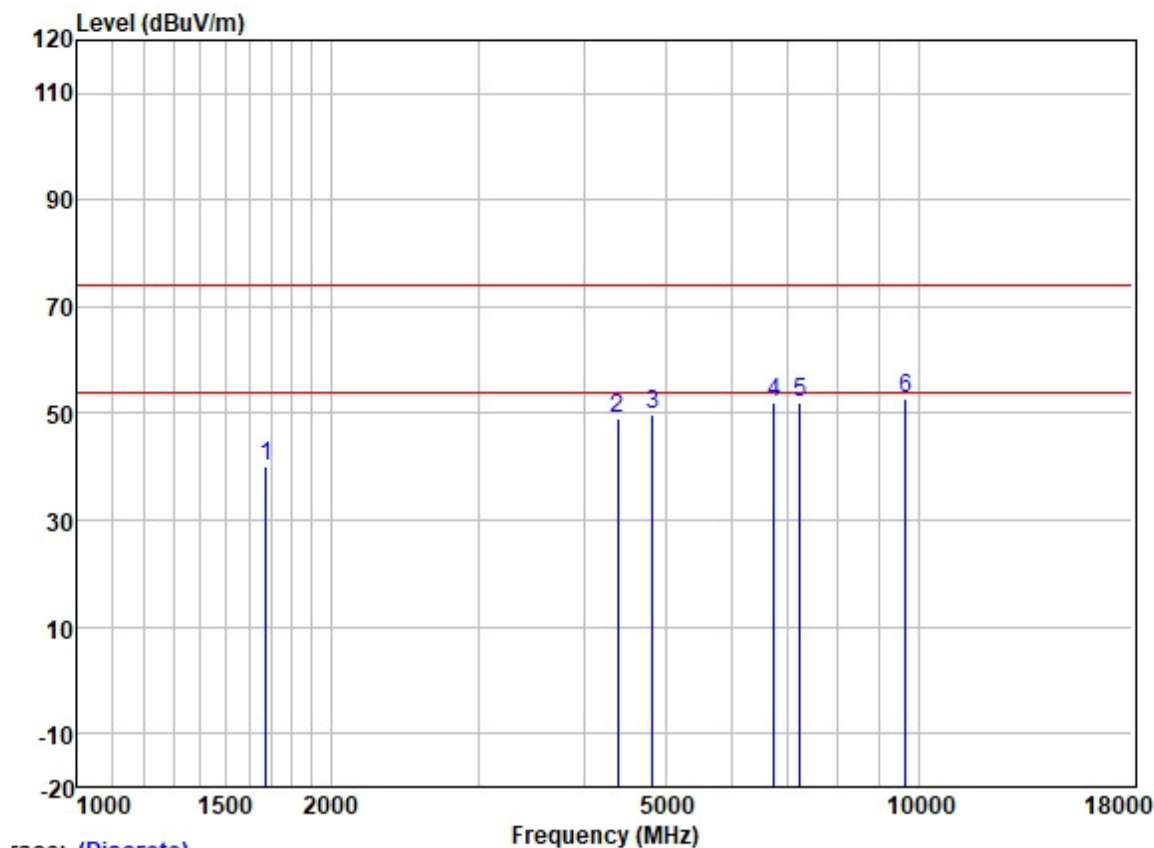
Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



		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	1667.951	54.33	25.66	2.80	37.91	44.88	74.00	-29.12	VERTICAL	Peak
2	4086.182	51.06	29.92	4.60	36.80	48.78	74.00	-25.22	VERTICAL	Peak
3	4924.000	48.15	31.62	5.60	36.84	48.53	74.00	-25.47	VERTICAL	Peak
4	6267.553	49.27	33.29	6.00	36.95	51.61	74.00	-22.39	VERTICAL	Peak
5	7386.000	47.56	36.17	6.19	37.45	52.47	74.00	-21.53	VERTICAL	Peak
6	9848.000	45.03	38.58	6.99	37.41	53.19	74.00	-20.81	VERTICAL	Peak

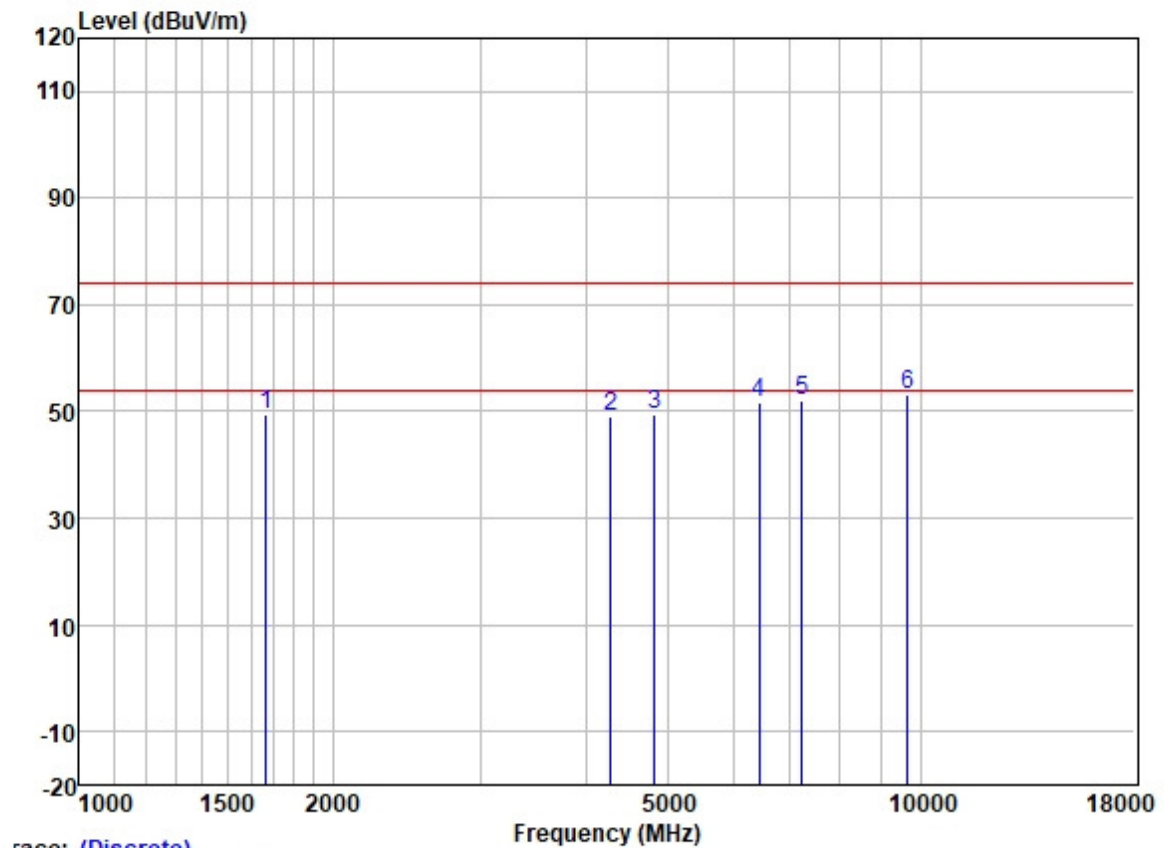


Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



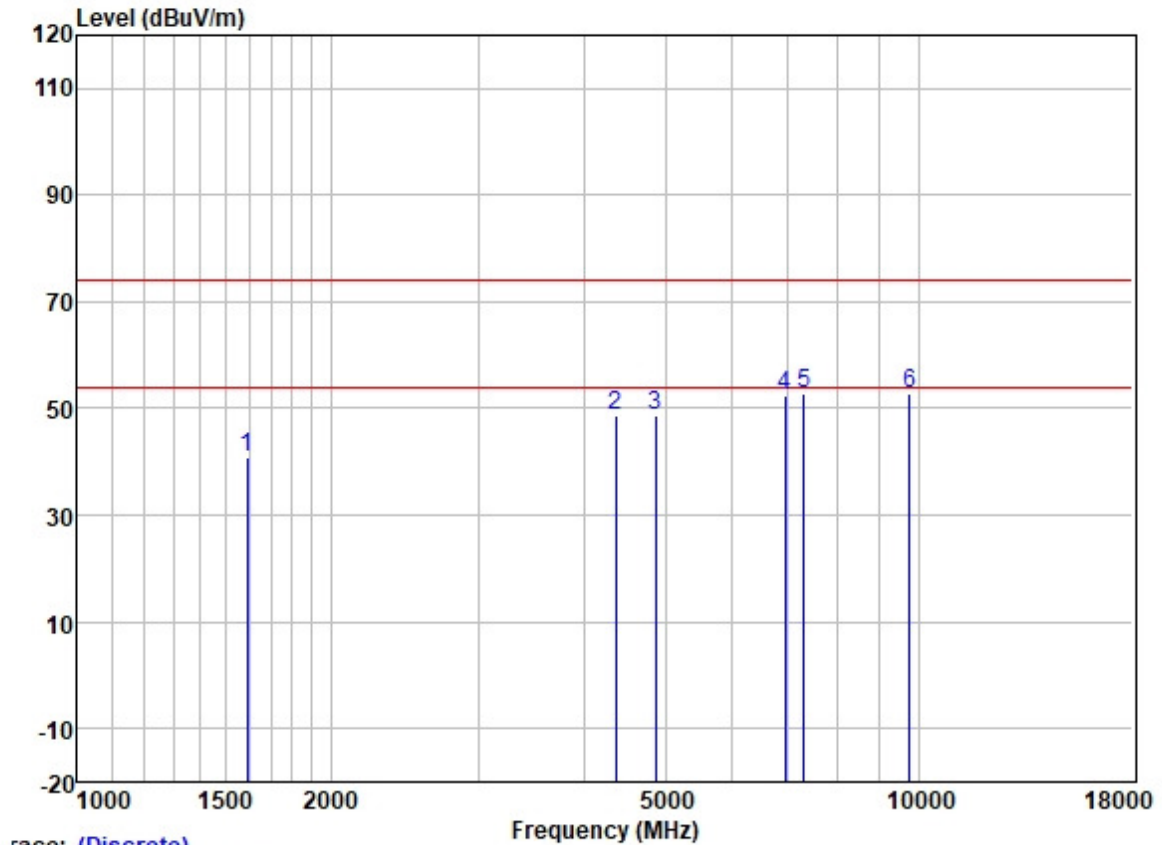
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1677.621	49.44	25.68	2.80	37.91	40.01	74.00	-33.99	HORIZONTAL	Peak
2	4392.376	50.36	30.66	4.70	36.81	48.91	74.00	-25.09	HORIZONTAL	Peak
3	4824.000	49.73	31.45	5.42	36.83	49.77	74.00	-24.23	HORIZONTAL	Peak
4	6737.207	48.96	34.50	5.82	37.09	52.19	74.00	-21.81	HORIZONTAL	Peak
5	7236.000	47.57	35.70	6.03	37.39	51.91	74.00	-22.09	HORIZONTAL	Peak
6	9648.000	44.71	38.40	7.06	37.42	52.75	74.00	-21.25	HORIZONTAL	Peak

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



	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	1667.951	58.95	25.66	2.80	37.91	49.50	74.00	-24.50	VERTICAL	Peak
2	4279.589	50.80	30.42	4.63	36.81	49.04	74.00	-24.96	VERTICAL	Peak
3	4824.000	49.42	31.45	5.42	36.83	49.46	74.00	-24.54	VERTICAL	Peak
4	6432.732	48.81	33.83	5.88	36.99	51.53	74.00	-22.47	VERTICAL	Peak
5	7236.000	47.65	35.70	6.03	37.39	51.99	74.00	-22.01	VERTICAL	Peak
6	9648.000	45.20	38.40	7.06	37.42	53.24	74.00	-20.76	VERTICAL	Peak

Test Mode: 00; Polarity: Horizontal; 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
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1592.571	50.42	25.57	2.80	37.98	40.81	74.00	-33.19	HORIZONTAL Peak
2	4367.058	50.12	30.62	4.68	36.81	48.61	74.00	-25.39	HORIZONTAL Peak
3	4874.000	48.67	31.54	5.50	36.84	48.87	74.00	-25.13	HORIZONTAL Peak
4	6934.778	48.91	34.92	5.81	37.19	52.45	74.00	-21.55	HORIZONTAL Peak
5	7311.000	48.01	35.93	6.11	37.42	52.63	74.00	-21.37	HORIZONTAL Peak
6	9748.000	44.57	38.50	7.02	37.41	52.68	74.00	-21.32	HORIZONTAL Peak

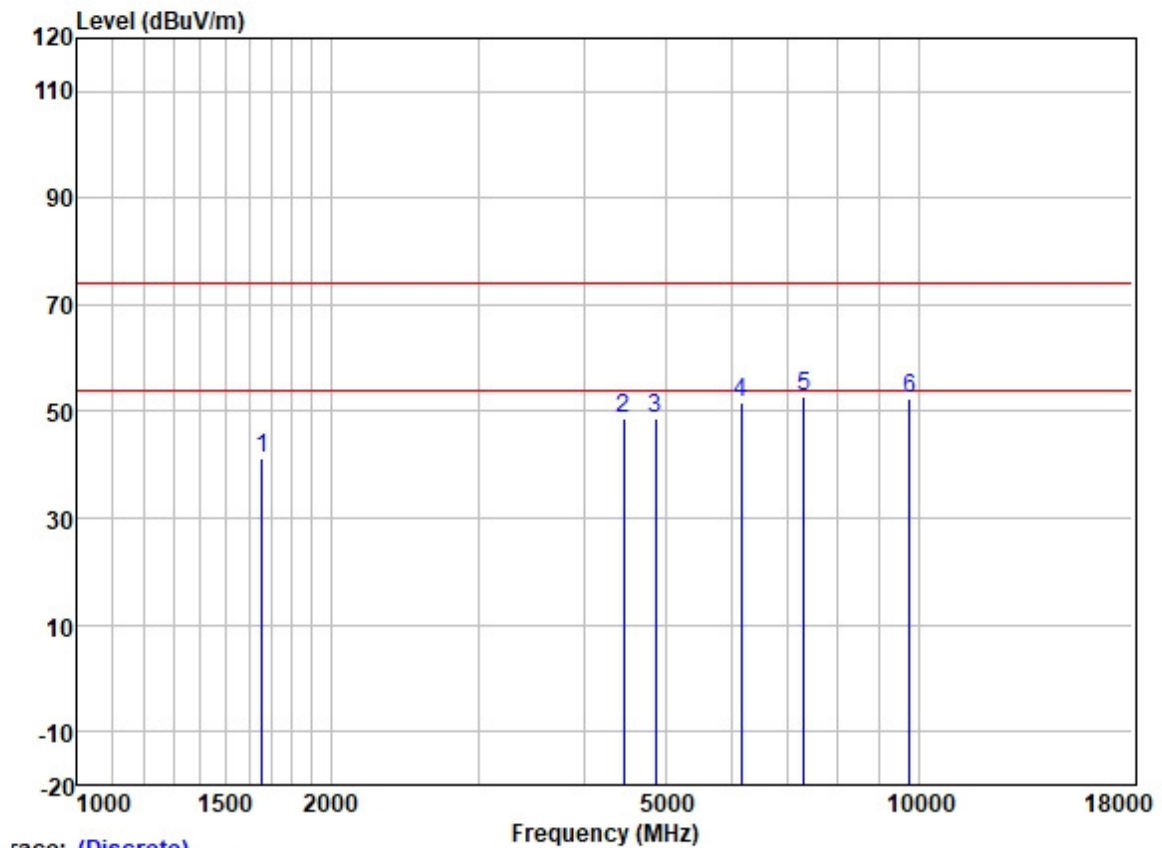


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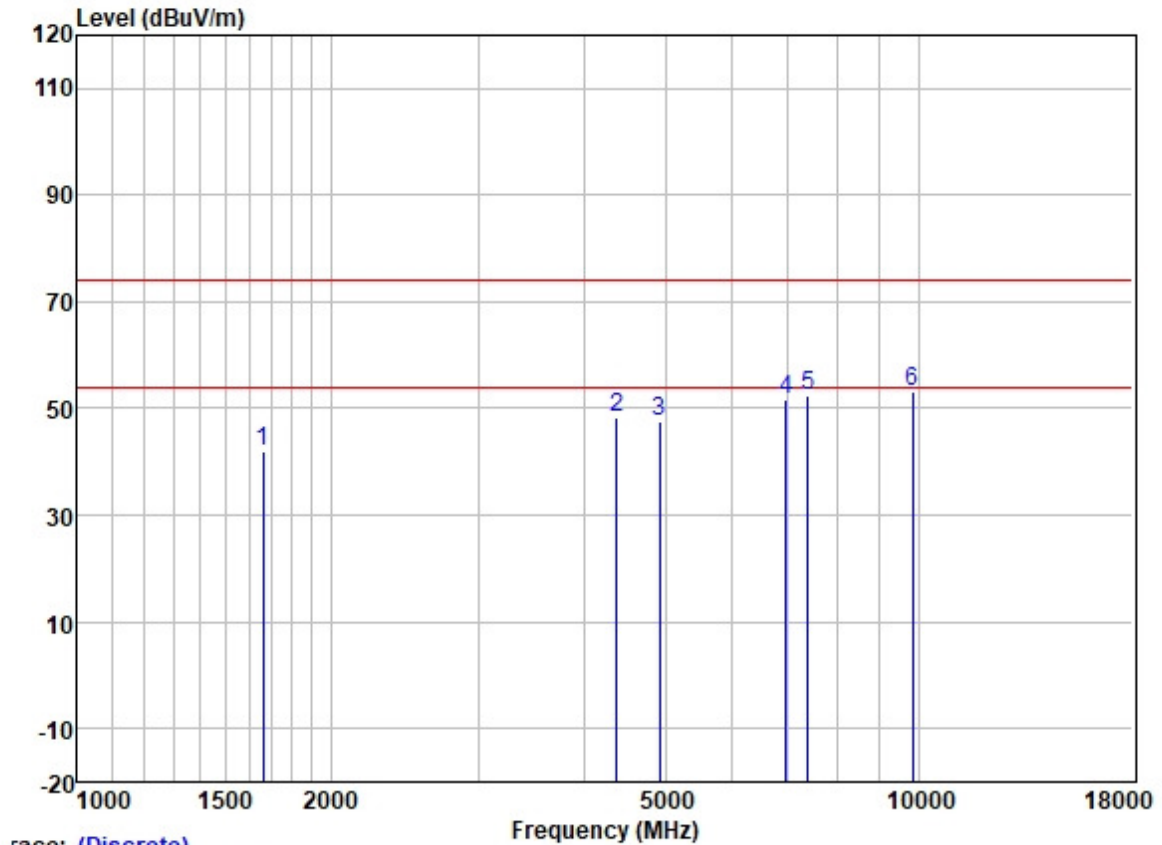


Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



	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	1658.337	50.53	25.65	2.80	37.93	41.05	74.00	-32.95	VERTICAL	Peak
2	4456.315	49.74	30.75	4.88	36.81	48.56	74.00	-25.44	VERTICAL	Peak
3	4874.000	48.47	31.54	5.50	36.84	48.67	74.00	-25.33	VERTICAL	Peak
4	6159.797	49.73	32.83	6.10	36.93	51.73	74.00	-22.27	VERTICAL	Peak
5	7311.000	48.32	35.93	6.11	37.42	52.94	74.00	-21.06	VERTICAL	Peak
6	9748.000	44.27	38.50	7.02	37.41	52.38	74.00	-21.62	VERTICAL	Peak

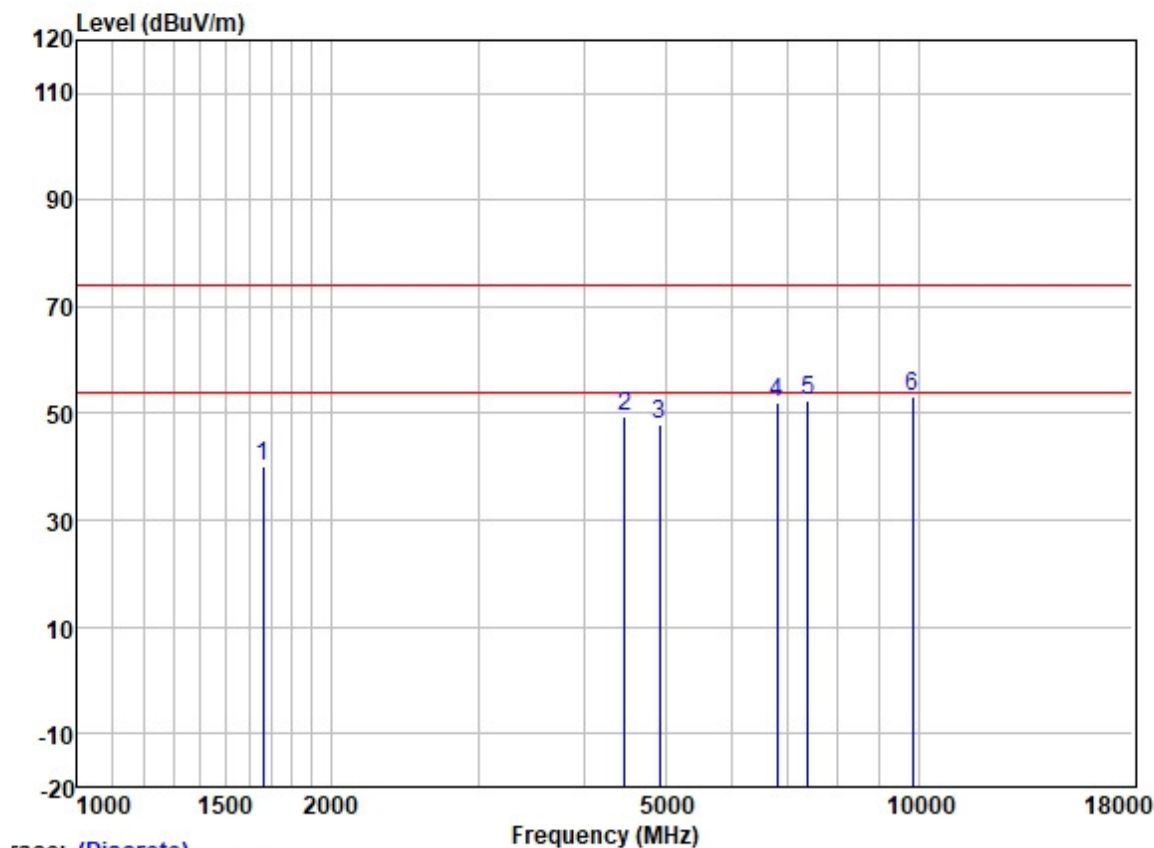
Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



		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	51.57	25.65	2.80	37.91	42.11	74.00	-31.89	HORIZONTAL	Peak
2	4379.699	49.84	30.64	4.69	36.81	48.36	74.00	-25.64	HORIZONTAL	Peak
3	4924.000	47.15	31.62	5.60	36.84	47.53	74.00	-26.47	HORIZONTAL	Peak
4	6954.852	48.18	34.95	5.81	37.21	51.73	74.00	-22.27	HORIZONTAL	Peak
5	7386.000	47.45	36.17	6.19	37.45	52.36	74.00	-21.64	HORIZONTAL	Peak
6	9848.000	44.91	38.58	6.99	37.41	53.07	74.00	-20.93	HORIZONTAL	Peak

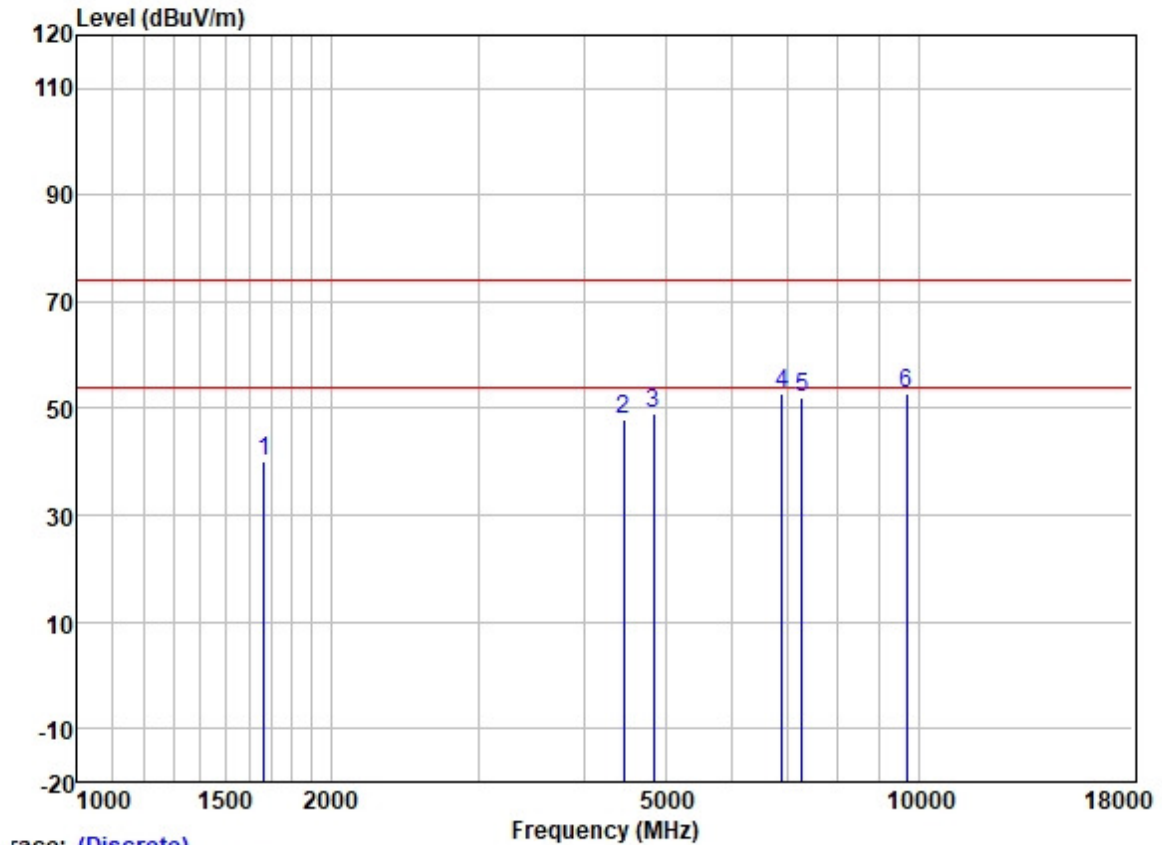


Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



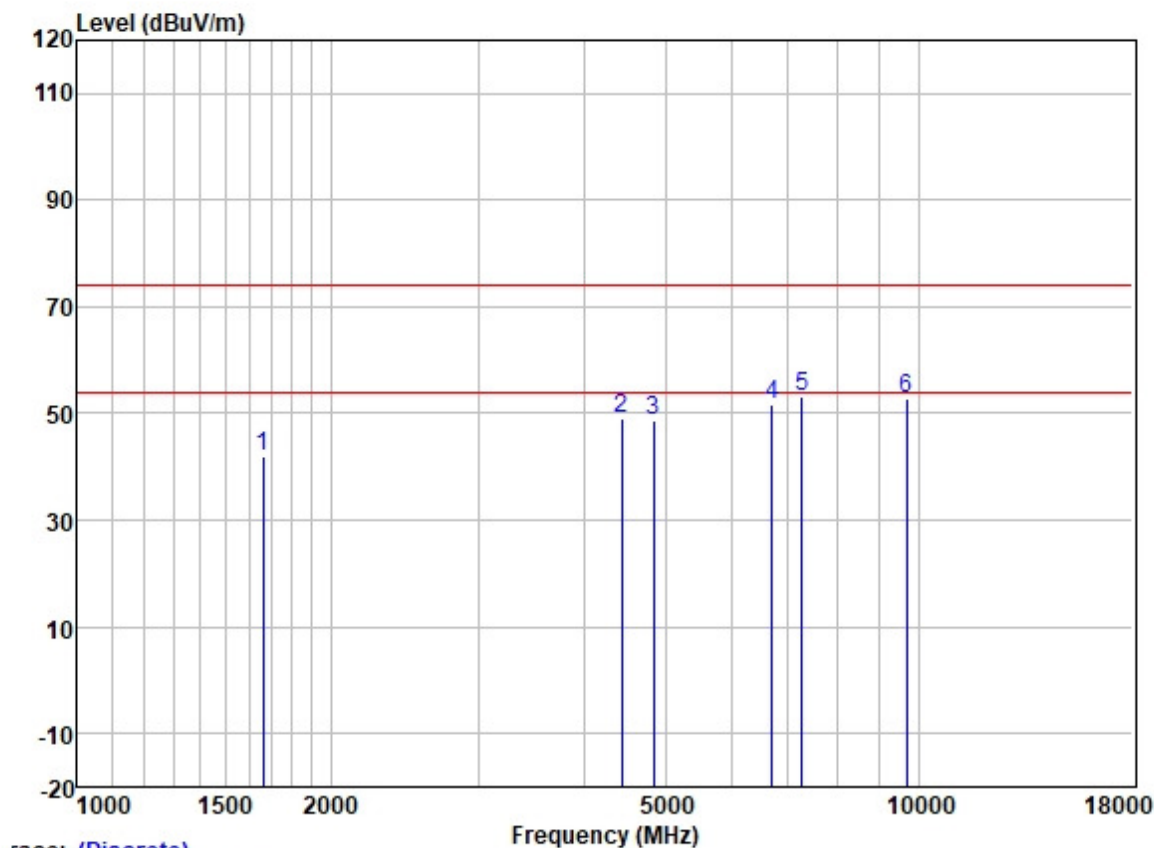
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1663.137	49.49	25.65	2.80	37.91	40.03	74.00	-33.97	VERTICAL	Peak
2	4469.214	50.37	30.77	4.93	36.81	49.26	74.00	-24.74	VERTICAL	Peak
3	4924.000	47.39	31.62	5.60	36.84	47.77	74.00	-26.23	VERTICAL	Peak
4	6795.879	48.69	34.66	5.82	37.12	52.05	74.00	-21.95	VERTICAL	Peak
5	7386.000	47.43	36.17	6.19	37.45	52.34	74.00	-21.66	VERTICAL	Peak
6	9848.000	45.02	38.58	6.99	37.41	53.18	74.00	-20.82	VERTICAL	Peak

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



	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	1667.951	49.61	25.66	2.80	37.91	40.16	74.00	-33.84	HORIZONTAL	Peak
2	4456.315	49.24	30.75	4.88	36.81	48.06	74.00	-25.94	HORIZONTAL	Peak
3	4844.000	48.96	31.50	5.45	36.84	49.07	74.00	-24.93	HORIZONTAL	Peak
4	6874.906	49.24	34.82	5.82	37.16	52.72	74.00	-21.28	HORIZONTAL	Peak
5	7266.000	47.49	35.78	6.06	37.41	51.92	74.00	-22.08	HORIZONTAL	Peak
6	9688.000	44.71	38.44	7.04	37.42	52.77	74.00	-21.23	HORIZONTAL	Peak

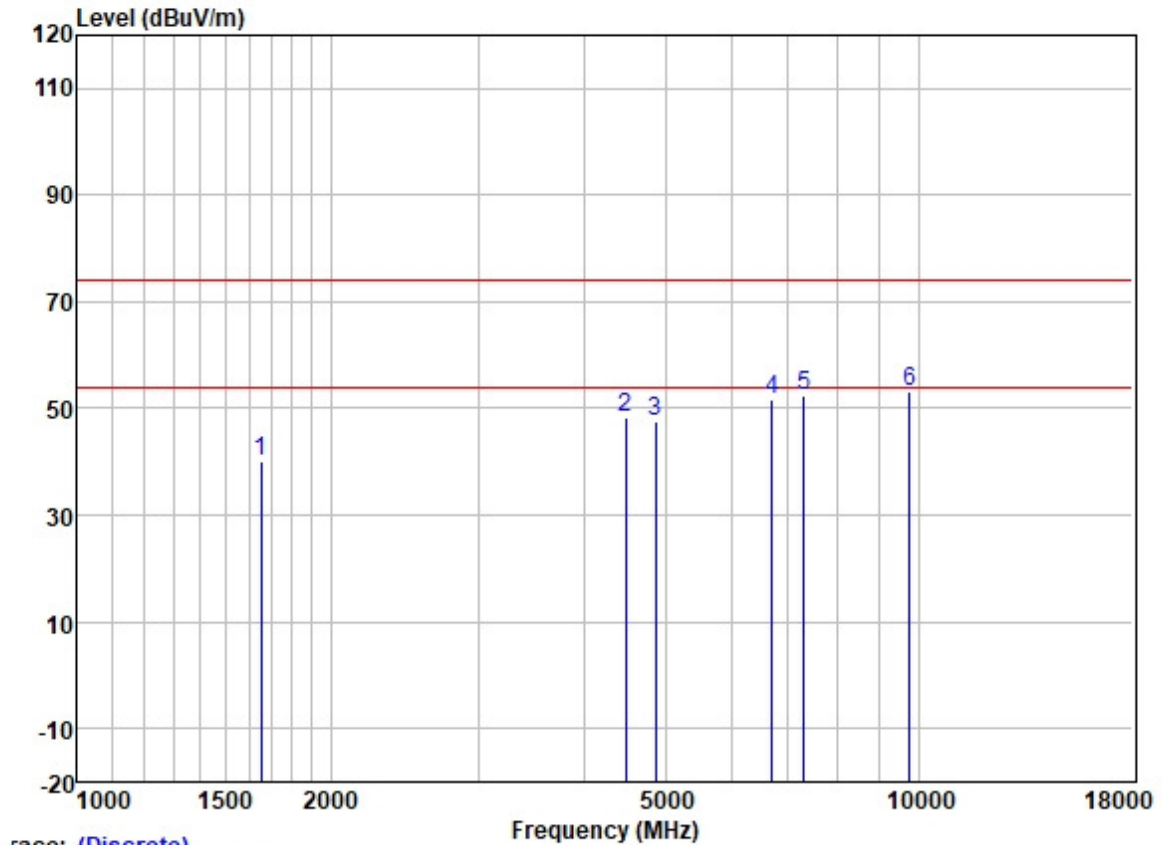
Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		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	1663.137	51.47	25.65	2.80	37.91	42.01	74.00	-31.99	VERTICAL	Peak
2	4443.453	50.15	30.73	4.83	36.81	48.90	74.00	-25.10	VERTICAL	Peak
3	4844.000	48.62	31.50	5.45	36.84	48.73	74.00	-25.27	VERTICAL	Peak
4	6698.373	48.37	34.38	5.83	37.08	51.50	74.00	-22.50	VERTICAL	Peak
5	7266.000	48.78	35.78	6.06	37.41	53.21	74.00	-20.79	VERTICAL	Peak
6	9688.000	44.86	38.44	7.04	37.42	52.92	74.00	-21.08	VERTICAL	Peak

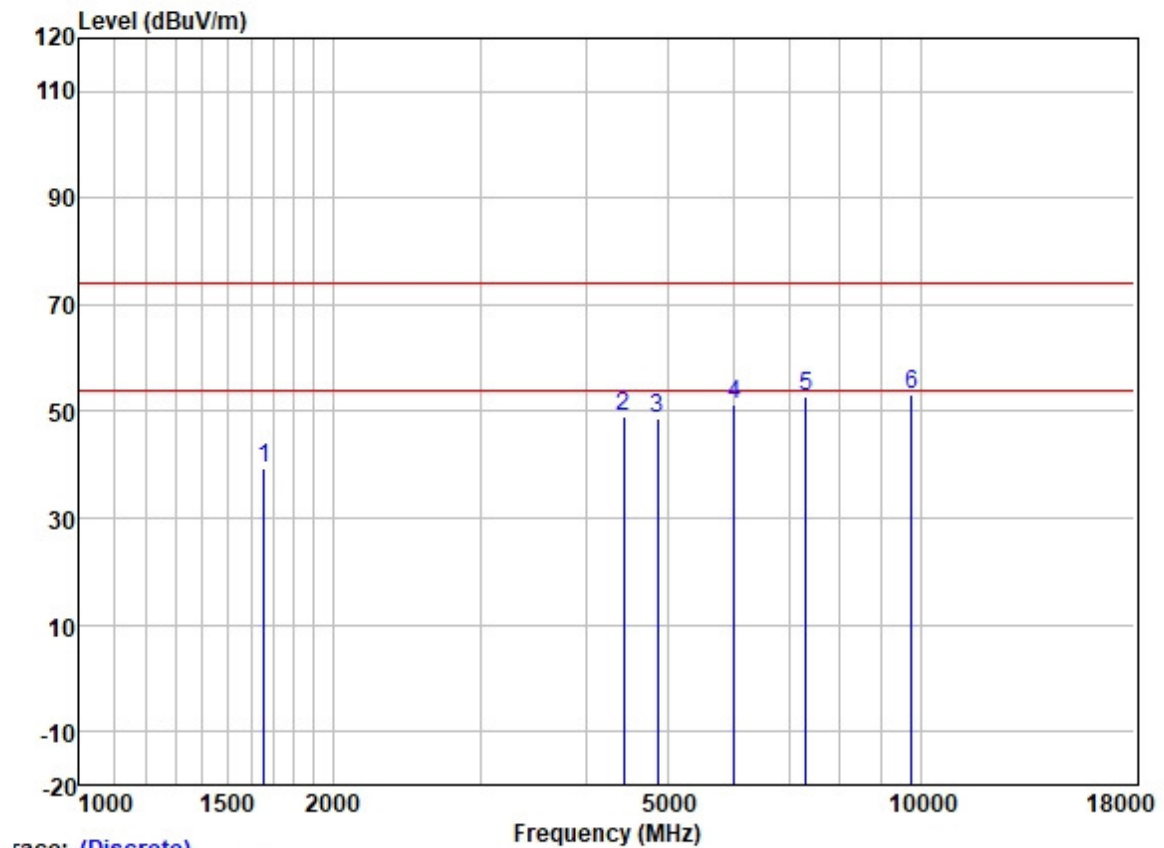


Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



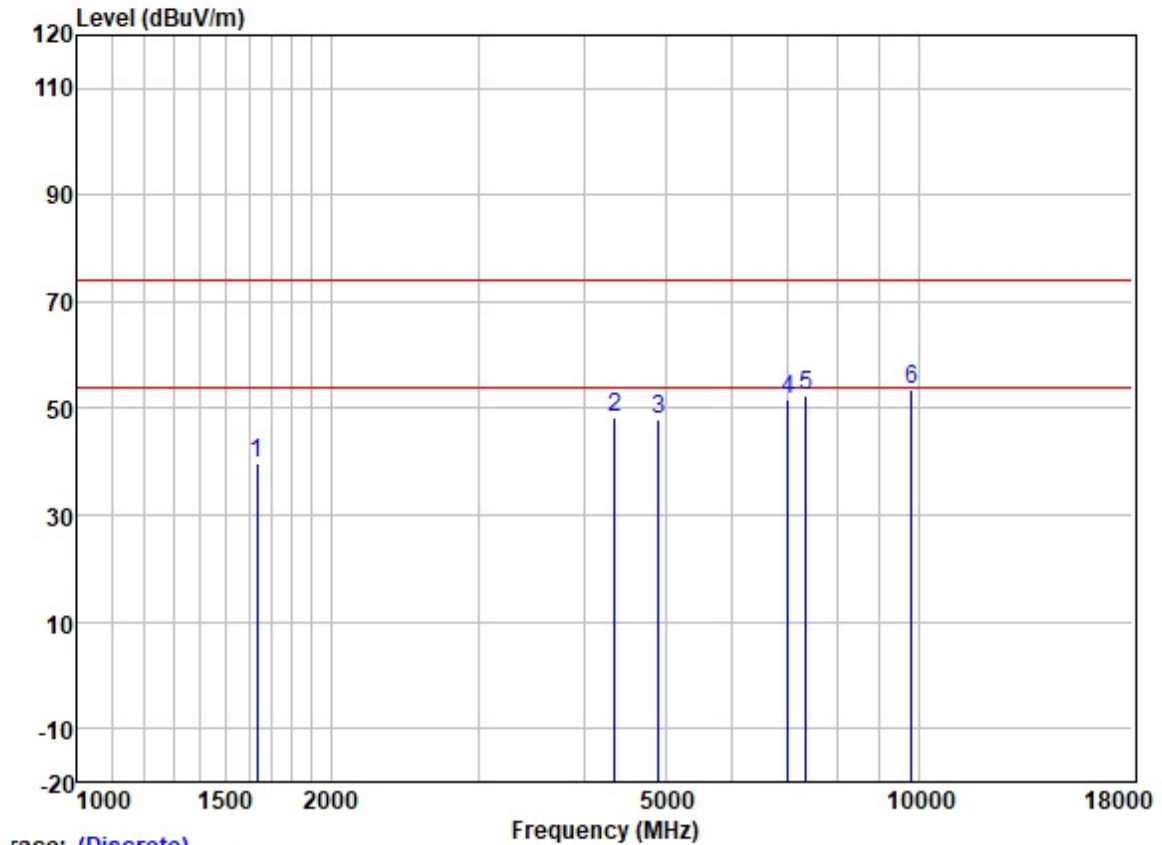
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		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1	1653.550	49.49	25.64	2.80	37.93	40.00	74.00	-34.00	HORIZONTAL Peak
2	4482.150	49.52	30.78	4.99	36.81	48.48	74.00	-25.52	HORIZONTAL Peak
3	4874.000	47.52	31.54	5.50	36.84	47.72	74.00	-26.28	HORIZONTAL Peak
4	6698.373	48.68	34.38	5.83	37.08	51.81	74.00	-22.19	HORIZONTAL Peak
5	7311.000	47.69	35.93	6.11	37.42	52.31	74.00	-21.69	HORIZONTAL Peak
6	9748.000	44.94	38.50	7.02	37.41	53.05	74.00	-20.95	HORIZONTAL Peak

Test Mode: 00; Polarity: Vertical; 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	1658.337	48.85	25.65	2.80	37.93	39.37	74.00	-34.63	VERTICAL	Peak
2	4443.453	50.31	30.73	4.83	36.81	49.06	74.00	-24.94	VERTICAL	Peak
3	4874.000	48.53	31.54	5.50	36.84	48.73	74.00	-25.27	VERTICAL	Peak
4	6001.626	49.76	32.40	6.20	36.90	51.46	74.00	-22.54	VERTICAL	Peak
5	7311.000	48.33	35.93	6.11	37.42	52.95	74.00	-21.05	VERTICAL	Peak
6	9748.000	44.97	38.50	7.02	37.41	53.08	74.00	-20.92	VERTICAL	Peak

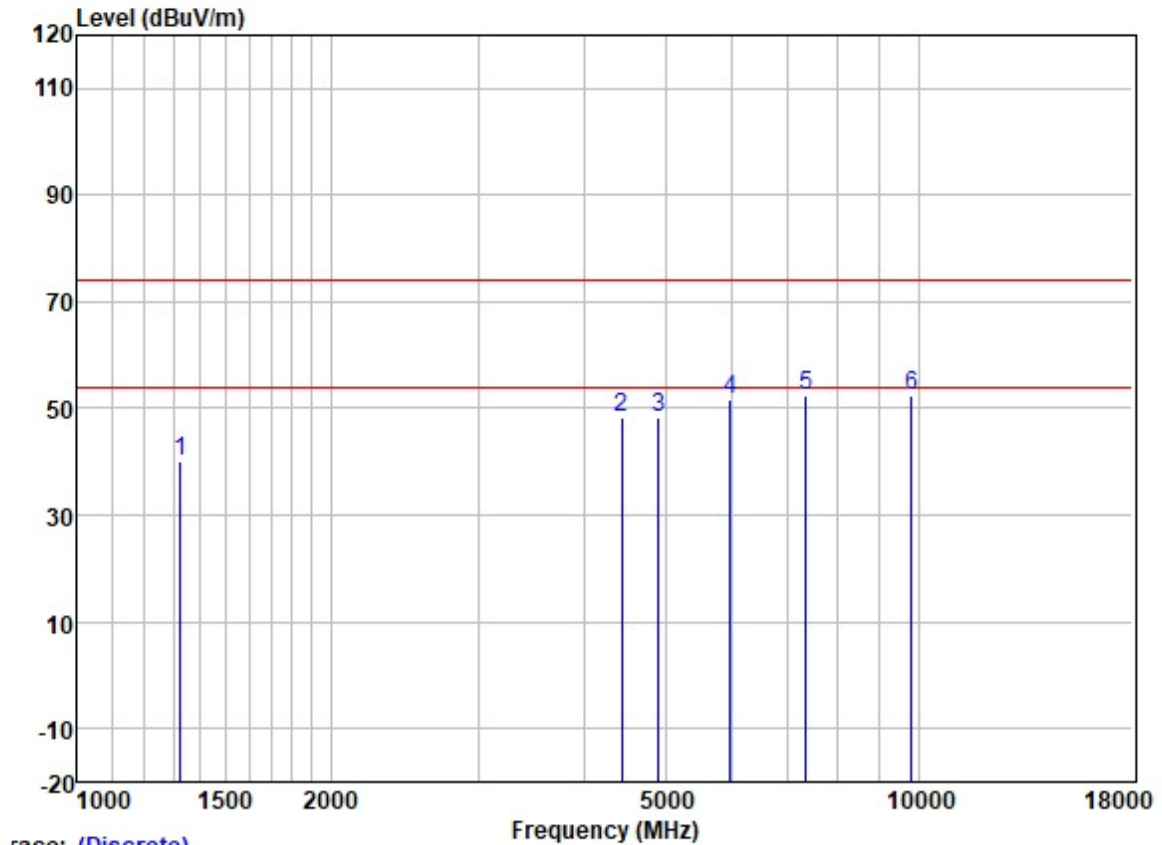
Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	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	1634.543	49.39	25.62	2.80	37.95	39.86	74.00	-34.14	HORIZONTAL	Peak
2	4354.454	49.88	30.59	4.68	36.81	48.34	74.00	-25.66	HORIZONTAL	Peak
3	4904.000	47.52	31.58	5.55	36.84	47.81	74.00	-26.19	HORIZONTAL	Peak
4	6995.172	48.06	35.00	5.81	37.25	51.62	74.00	-22.38	HORIZONTAL	Peak
5	7356.000	47.71	36.06	6.15	37.44	52.48	74.00	-21.52	HORIZONTAL	Peak
6	9808.000	45.21	38.56	7.00	37.41	53.36	74.00	-20.64	HORIZONTAL	Peak



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



	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	1327.446	50.53	25.27	2.60	38.29	40.11	74.00	-33.89	VERTICAL	Peak
2	4443.453	49.66	30.73	4.83	36.81	48.41	74.00	-25.59	VERTICAL	Peak
3	4904.000	48.09	31.58	5.55	36.84	48.38	74.00	-25.62	VERTICAL	Peak
4	5967.033	50.06	32.37	6.10	36.90	51.63	74.00	-22.37	VERTICAL	Peak
5	7356.000	47.71	36.06	6.15	37.44	52.48	74.00	-21.52	VERTICAL	Peak
6	9808.000	44.38	38.56	7.00	37.41	52.53	74.00	-21.47	VERTICAL	Peak

## 8 Test Setup Photo

Refer to Appendix – Test Setup Photos for GZCR2111021330AT



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## 9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for GZCR2111021330AT



## 10 Appendix

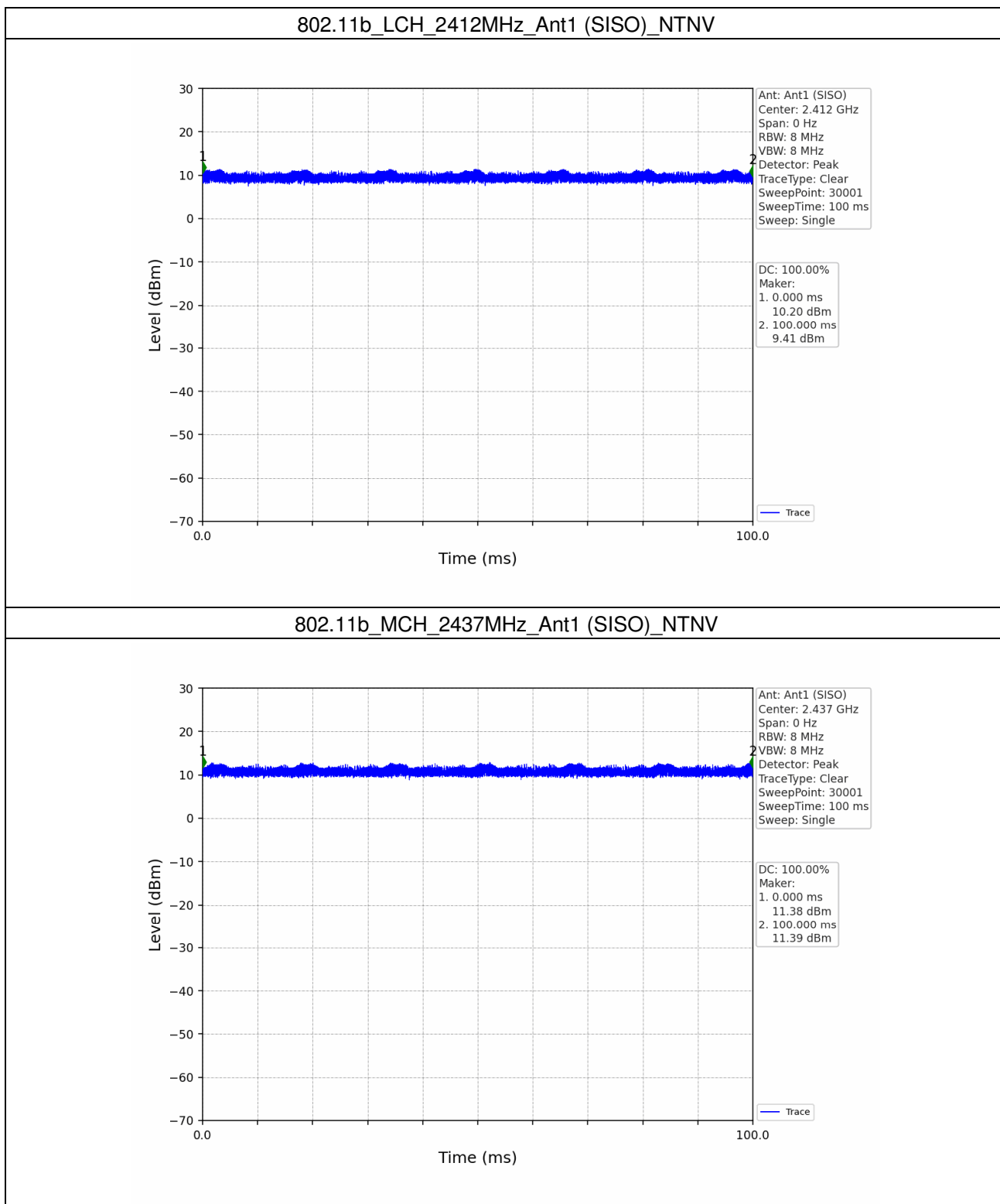
### 1. Duty Cycle

#### 1.1 Ant1

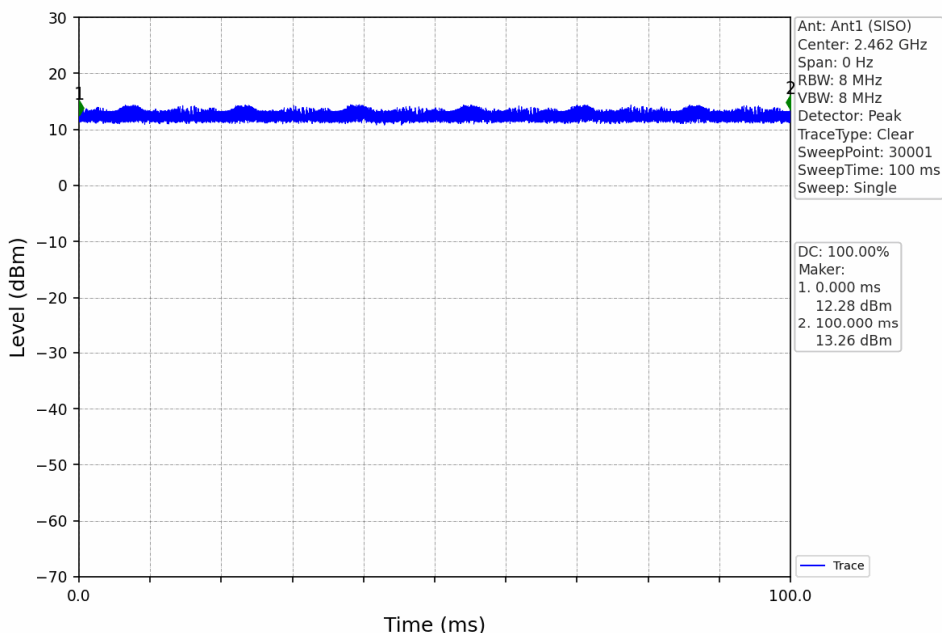
##### 1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	100.000	100.000	100.00	0.00	0.00
		2437	100.000	100.000	100.00	0.00	0.00
		2462	100.000	100.000	100.00	0.00	0.00
802.11g	SISO	2412	100.000	100.000	100.00	0.00	0.00
		2437	100.000	100.000	100.00	0.00	0.00
		2462	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	SISO	2412	100.000	100.000	100.00	0.00	0.00
		2437	100.000	100.000	100.00	0.00	0.00
		2462	100.000	100.000	100.00	0.00	0.00
802.11n (HT40)	SISO	2422	100.000	100.000	100.00	0.00	0.00
		2437	100.000	100.000	100.00	0.00	0.00
		2452	100.000	100.000	100.00	0.00	0.00

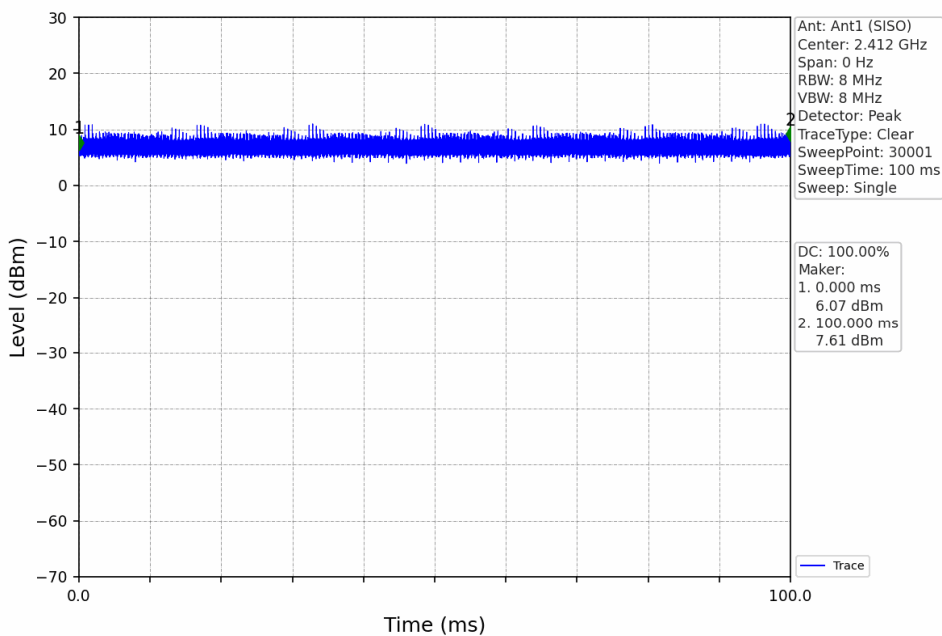
### 1.1.2 Test Graph



802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

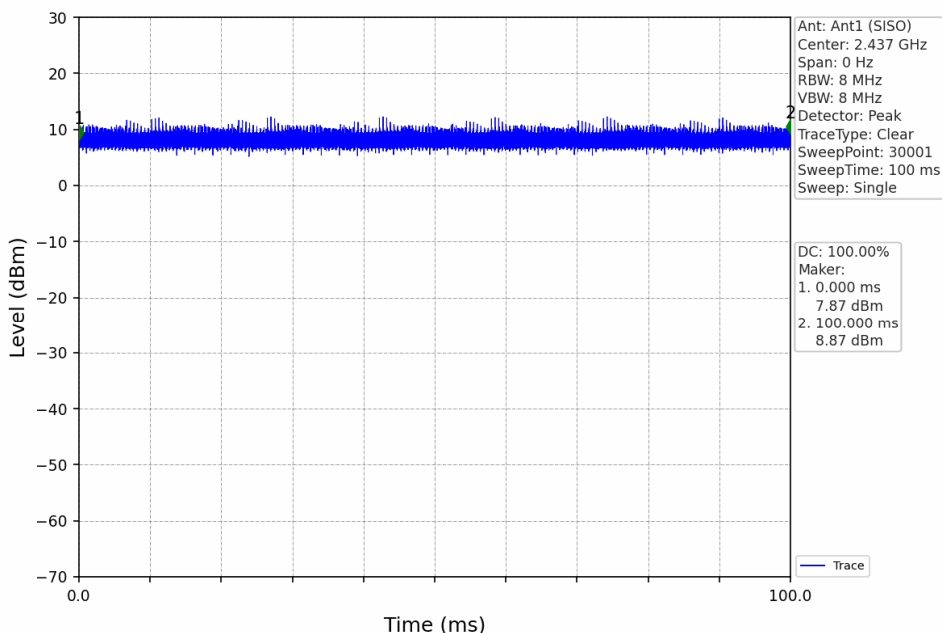


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

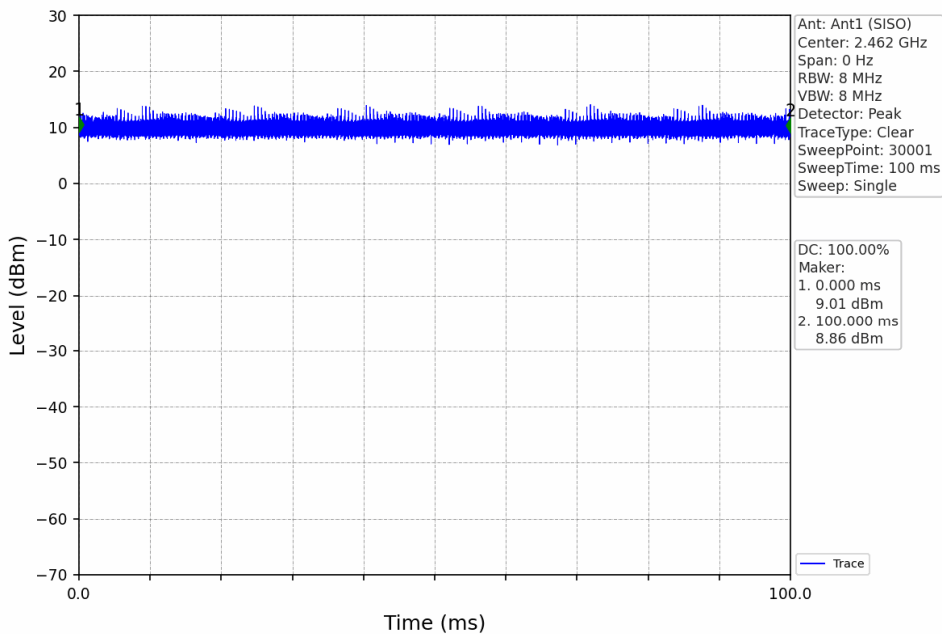




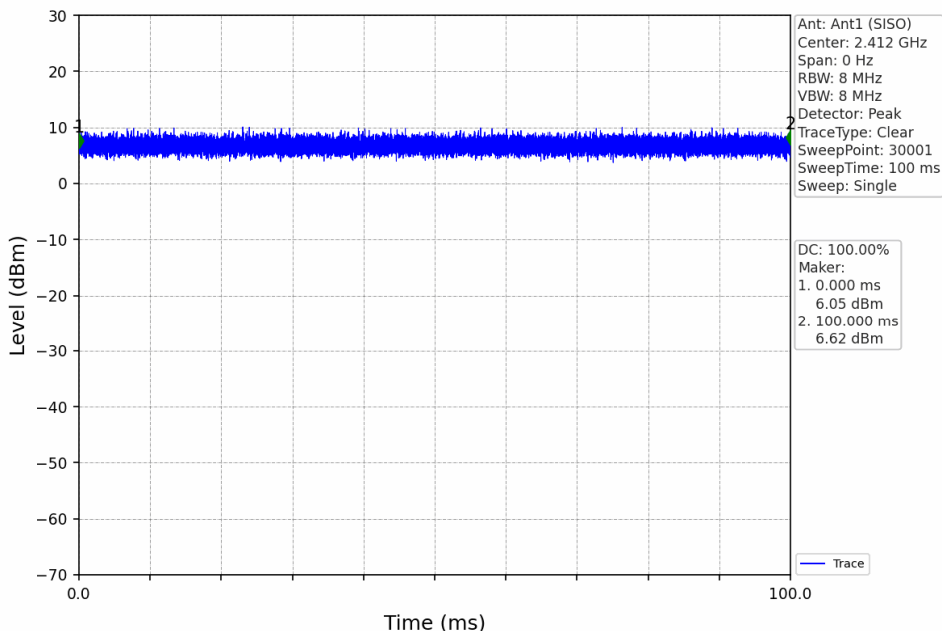
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



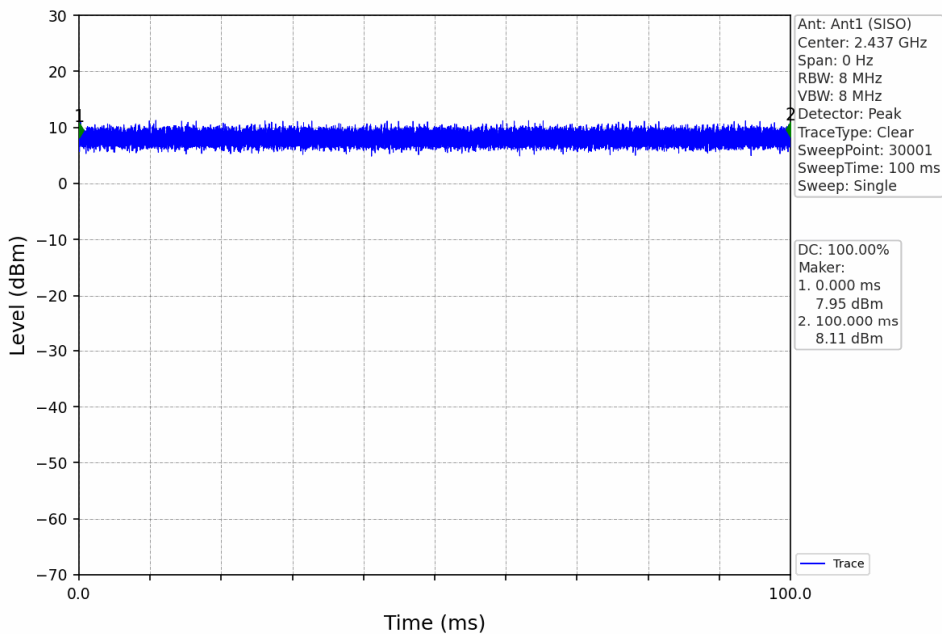
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



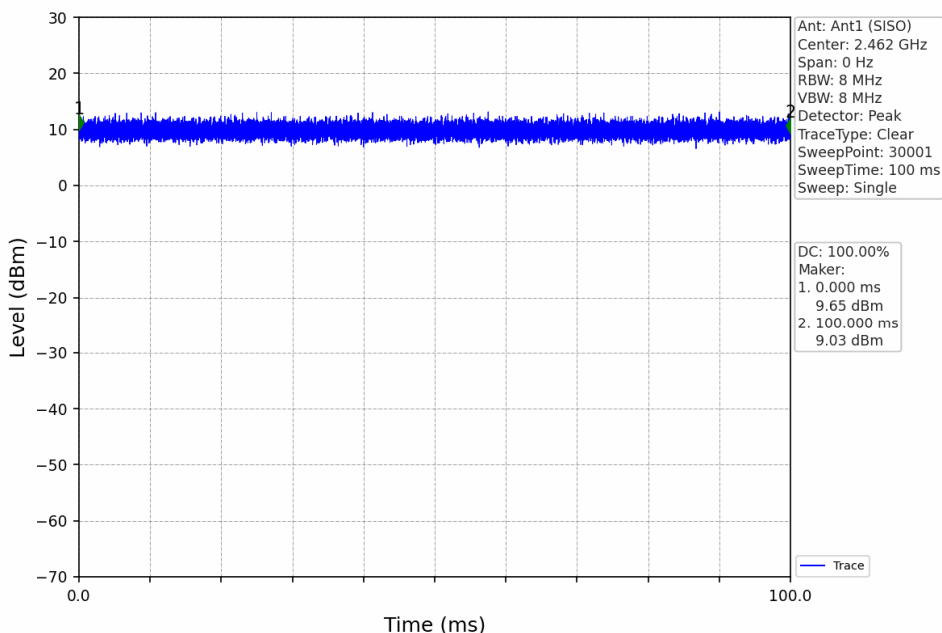
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



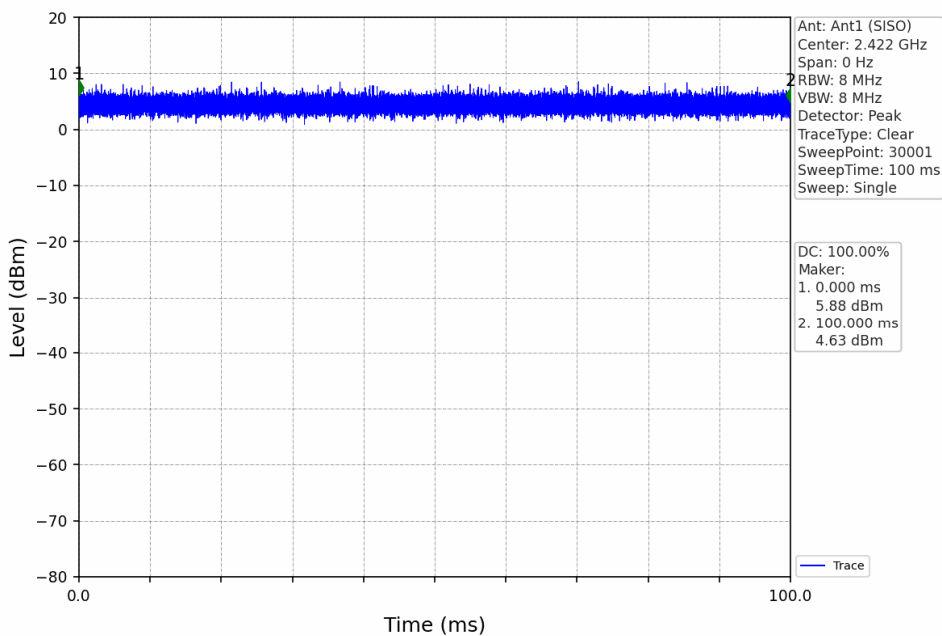
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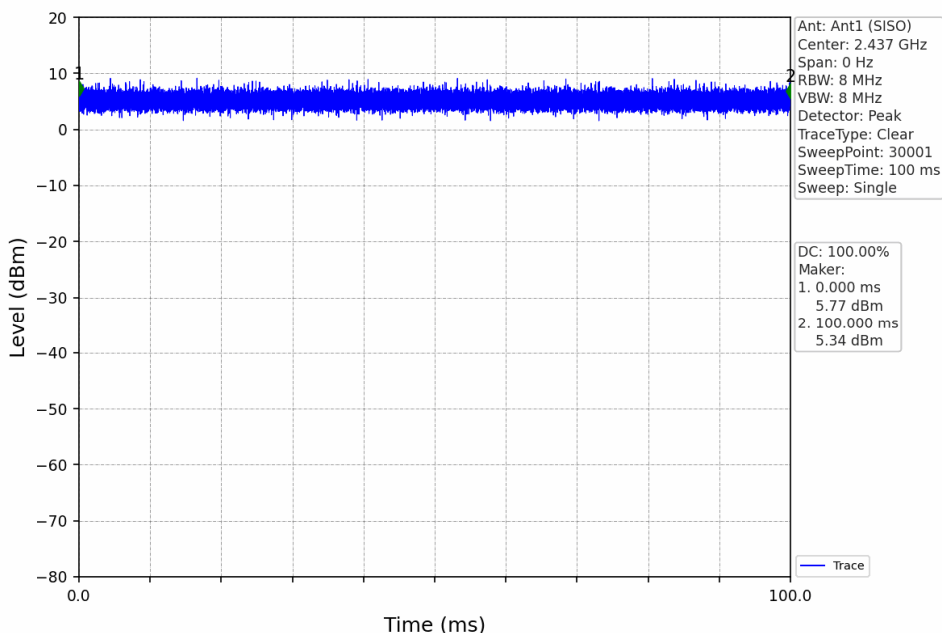
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



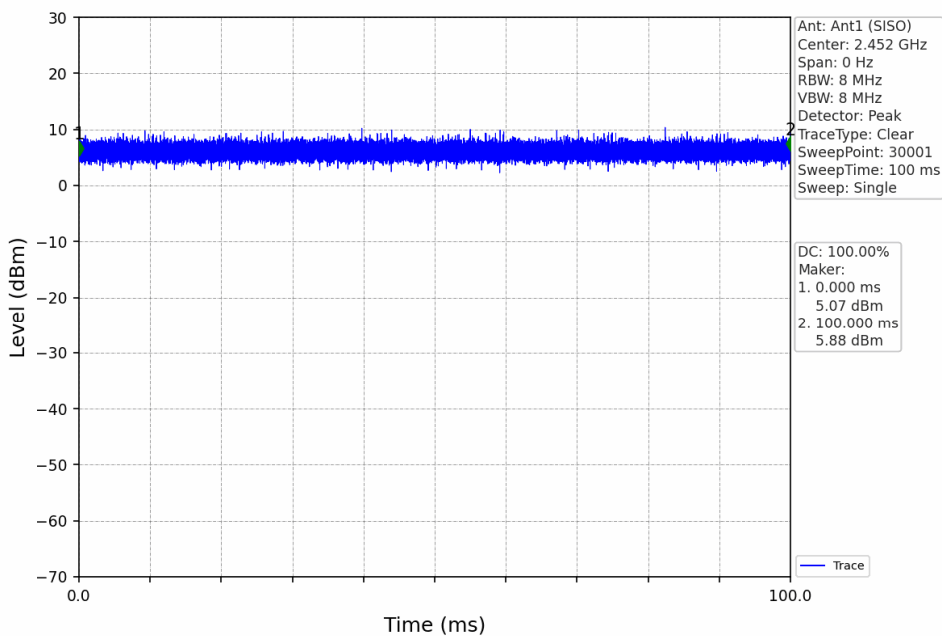
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV





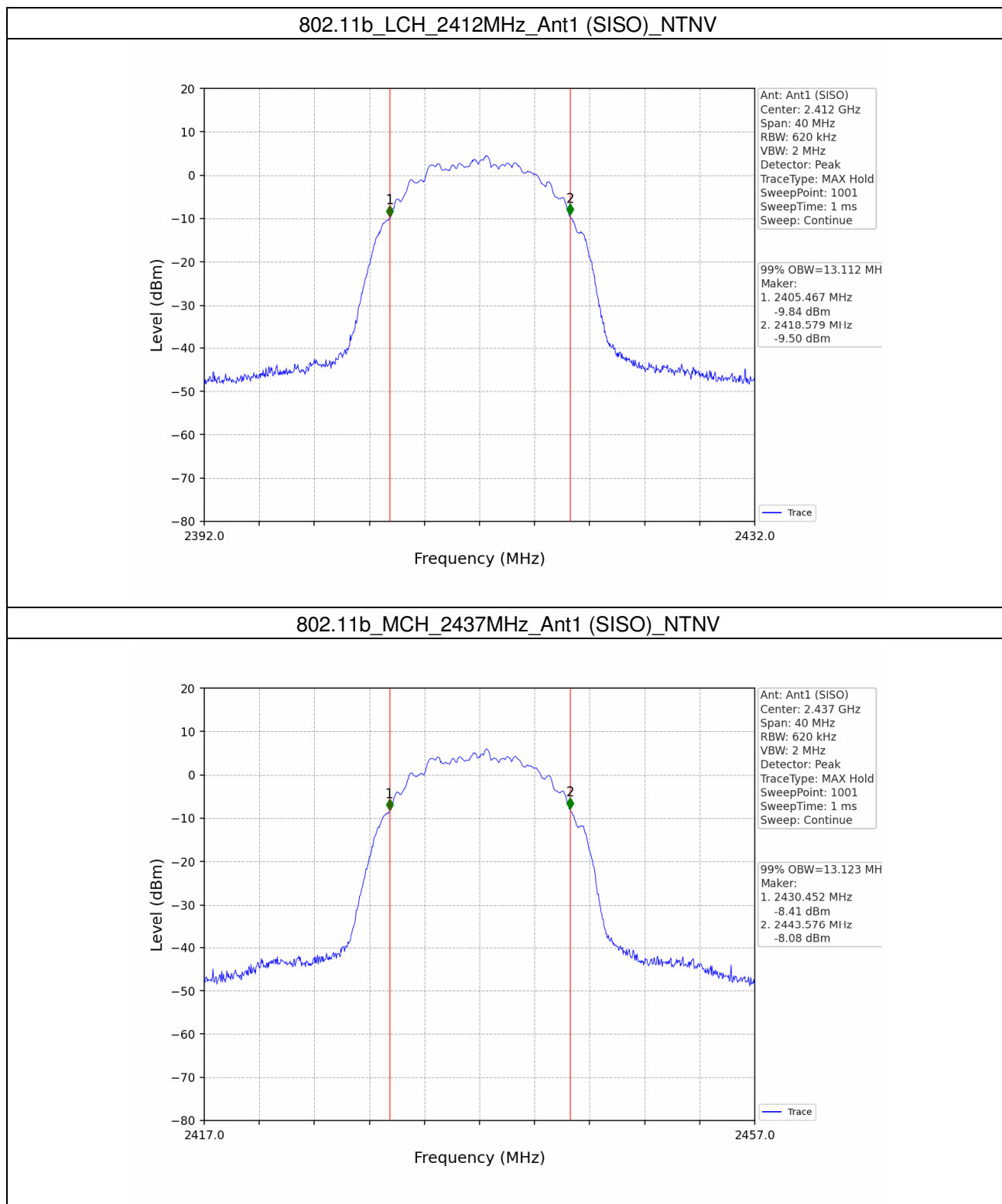
## 2. Bandwidth

## 2.1 OBW

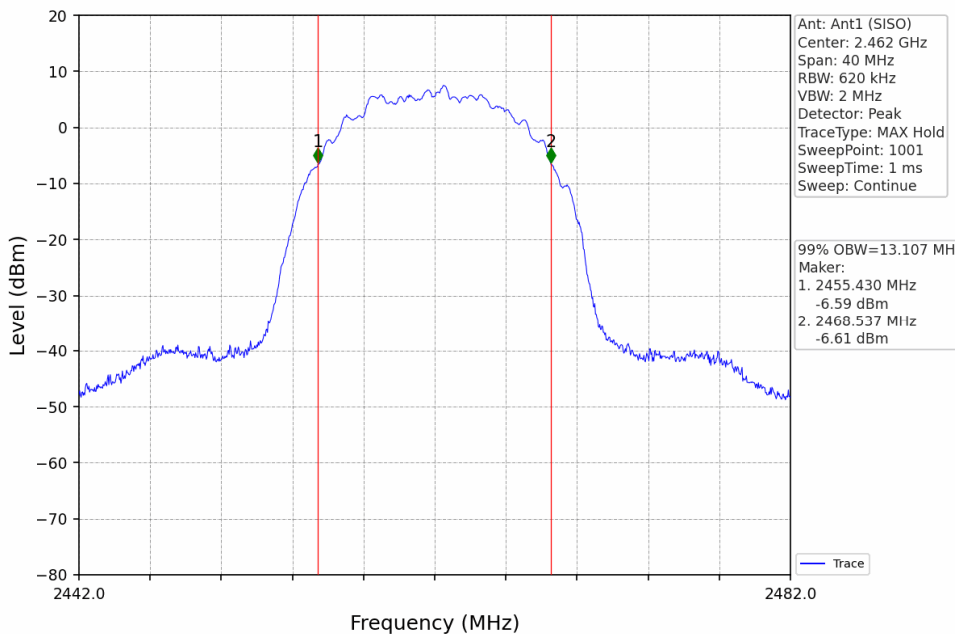
## 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.112	Pass
		2437	1	13.123	Pass
		2462	1	13.107	Pass
802.11g	SISO	2412	1	16.543	Pass
		2437	1	16.557	Pass
		2462	1	16.555	Pass
802.11n (HT20)	SISO	2412	1	17.167	Pass
		2437	1	17.153	Pass
		2462	1	17.158	Pass
802.11n (HT40)	SISO	2422	1	36.316	Pass
		2437	1	36.298	Pass
		2452	1	36.277	Pass

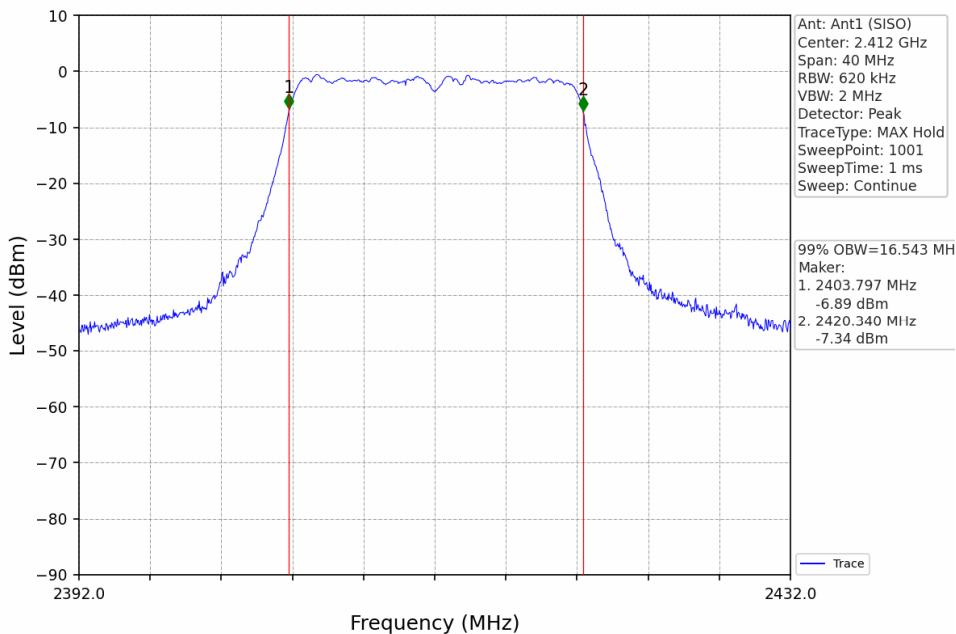
## 2.1.2 Test Graph



### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

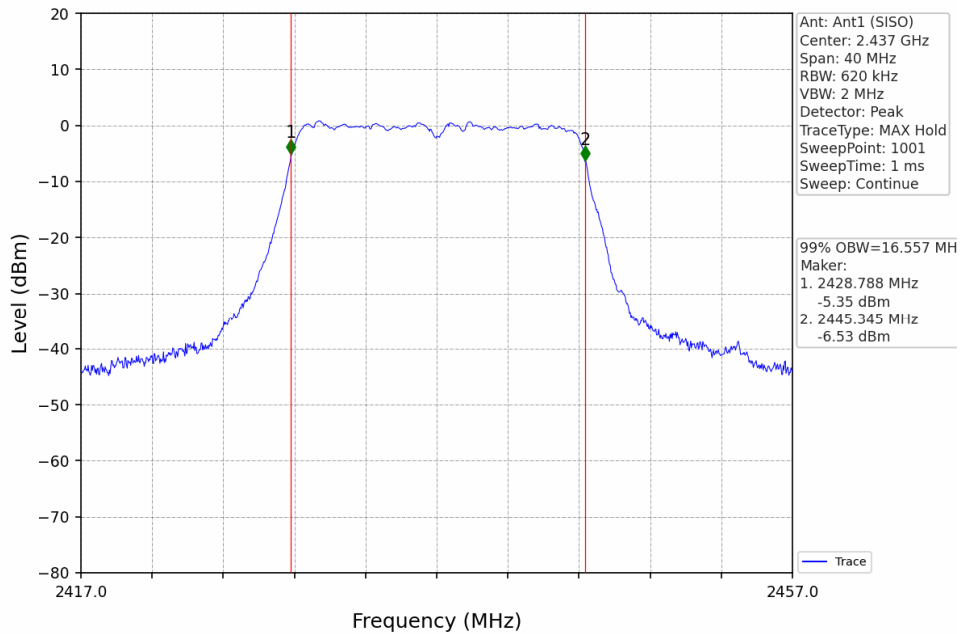


### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

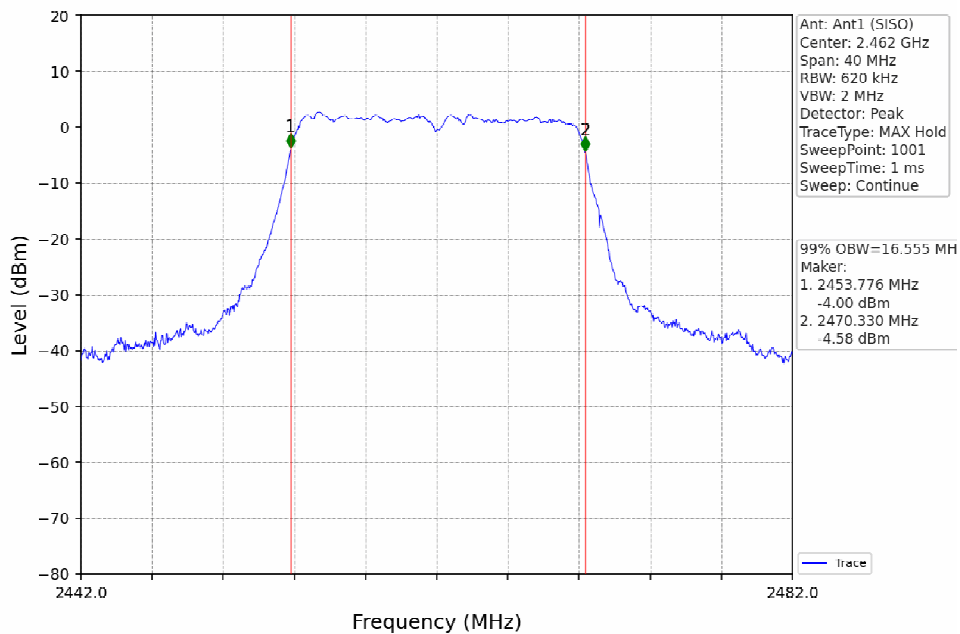


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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

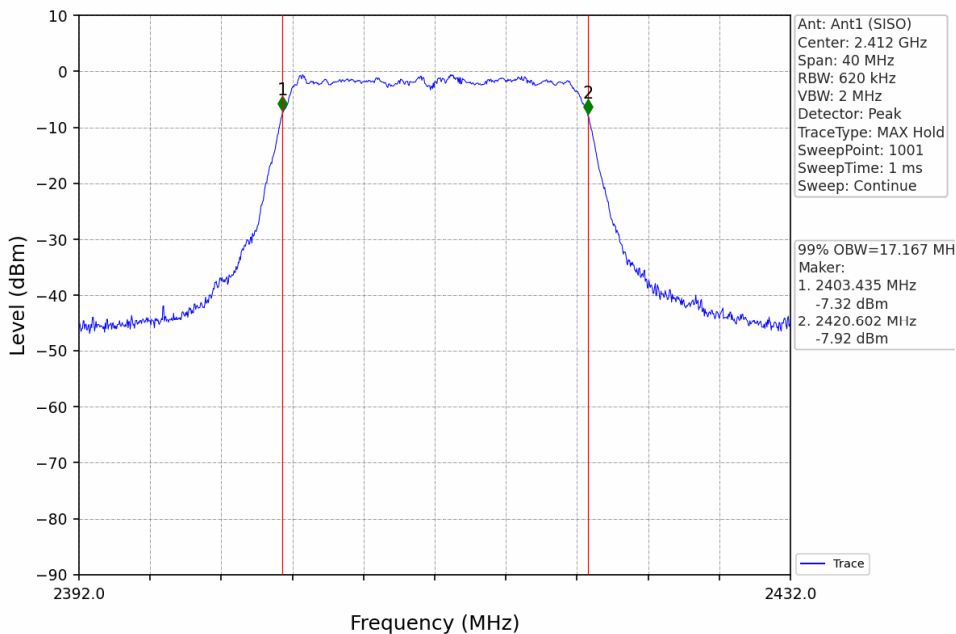


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

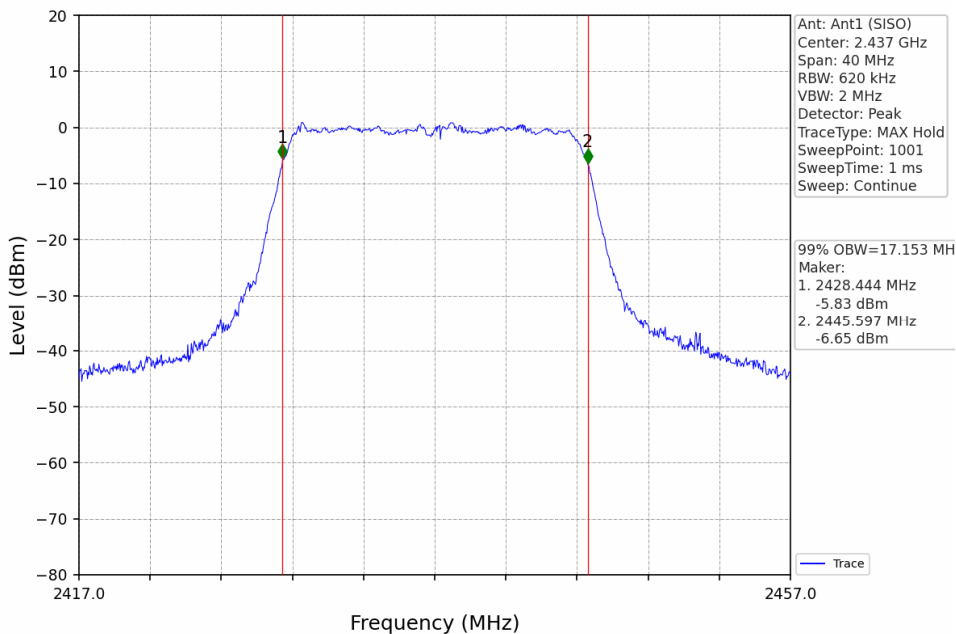




802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

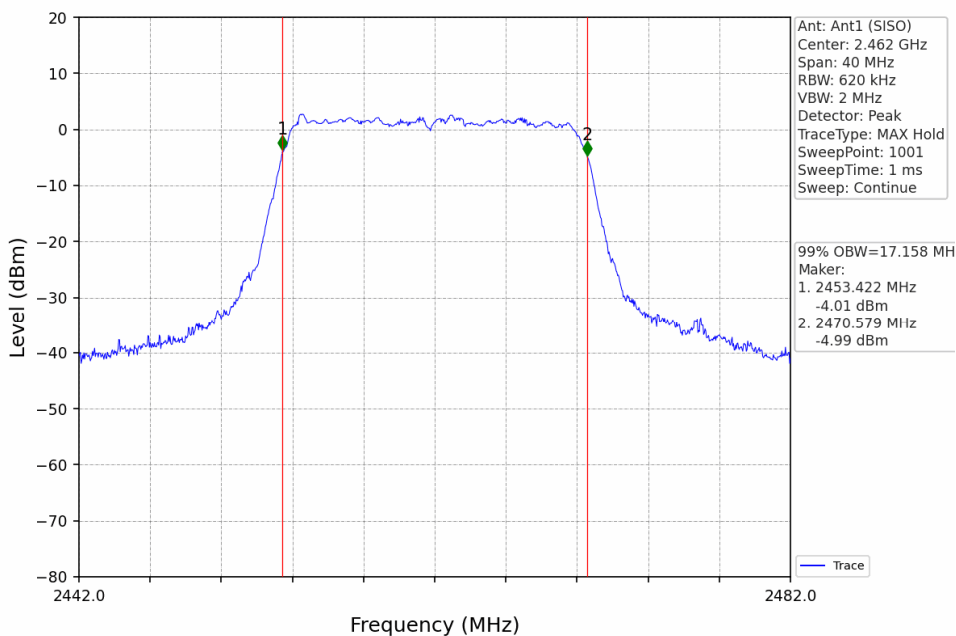


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

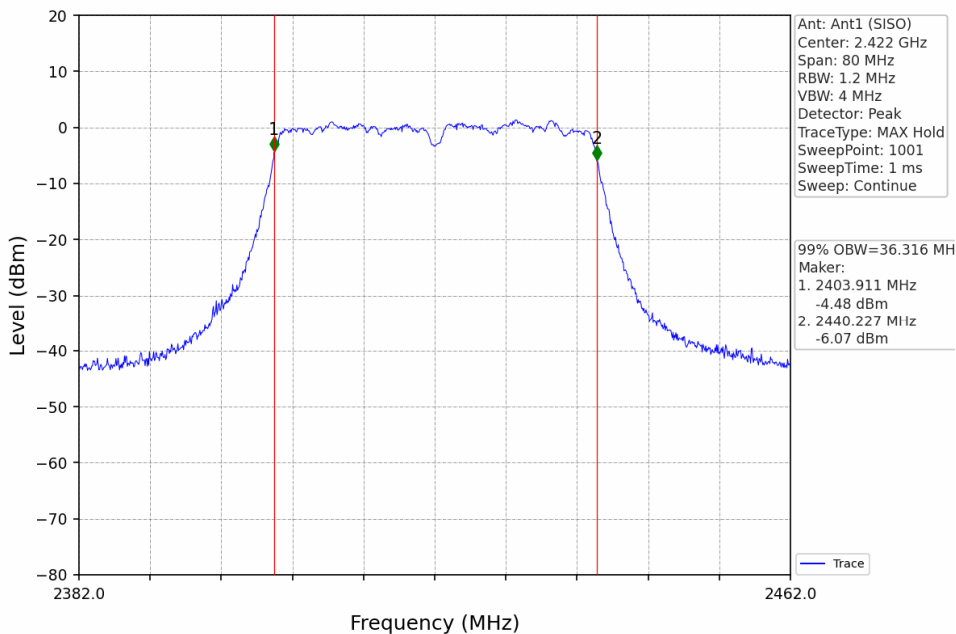


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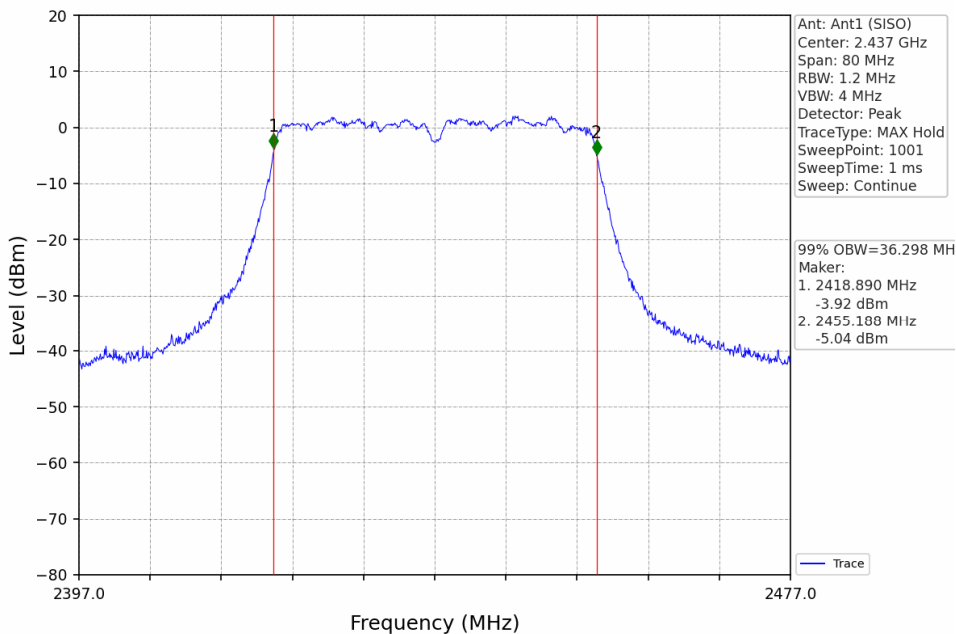
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



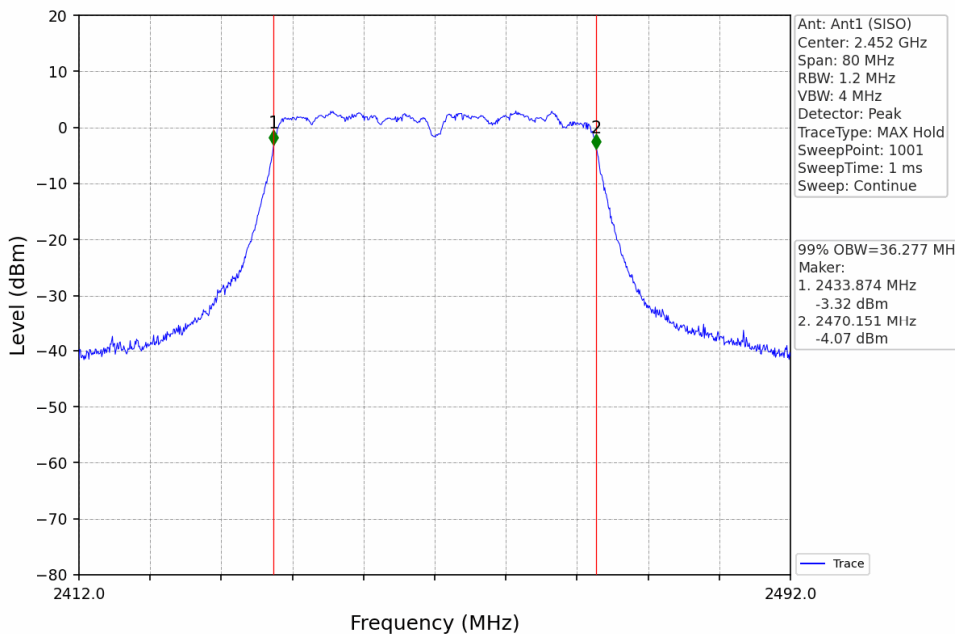
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_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	1	10.124	$\geq 0.5$	Pass
		2437	1	10.120	$\geq 0.5$	Pass
		2462	1	10.036	$\geq 0.5$	Pass
802.11g	SISO	2412	1	16.376	$\geq 0.5$	Pass
		2437	1	16.376	$\geq 0.5$	Pass
		2462	1	16.381	$\geq 0.5$	Pass
802.11n (HT20)	SISO	2412	1	16.913	$\geq 0.5$	Pass
		2437	1	16.895	$\geq 0.5$	Pass
		2462	1	16.903	$\geq 0.5$	Pass
802.11n (HT40)	SISO	2422	1	36.361	$\geq 0.5$	Pass
		2437	1	36.365	$\geq 0.5$	Pass
		2452	1	36.339	$\geq 0.5$	Pass

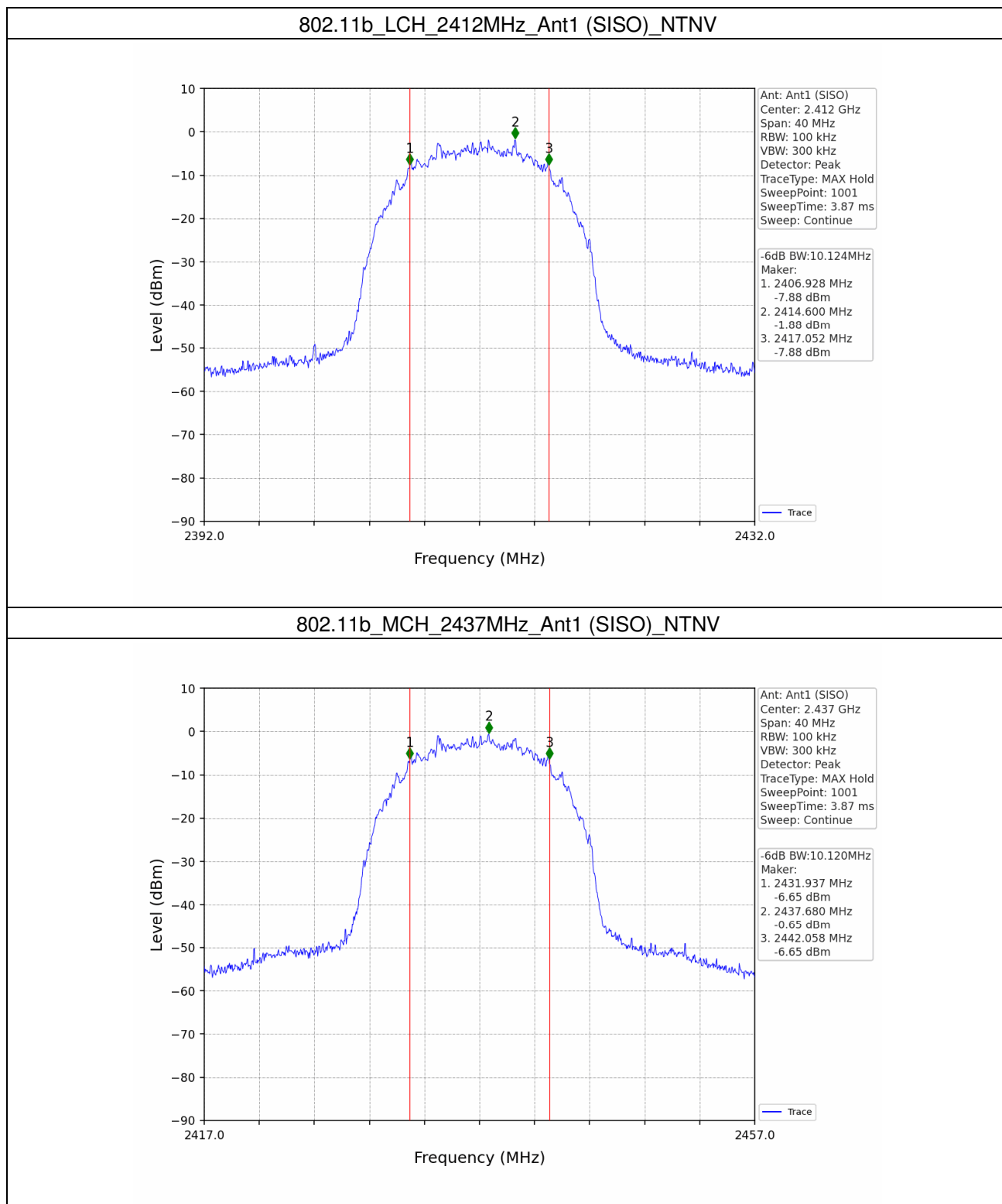


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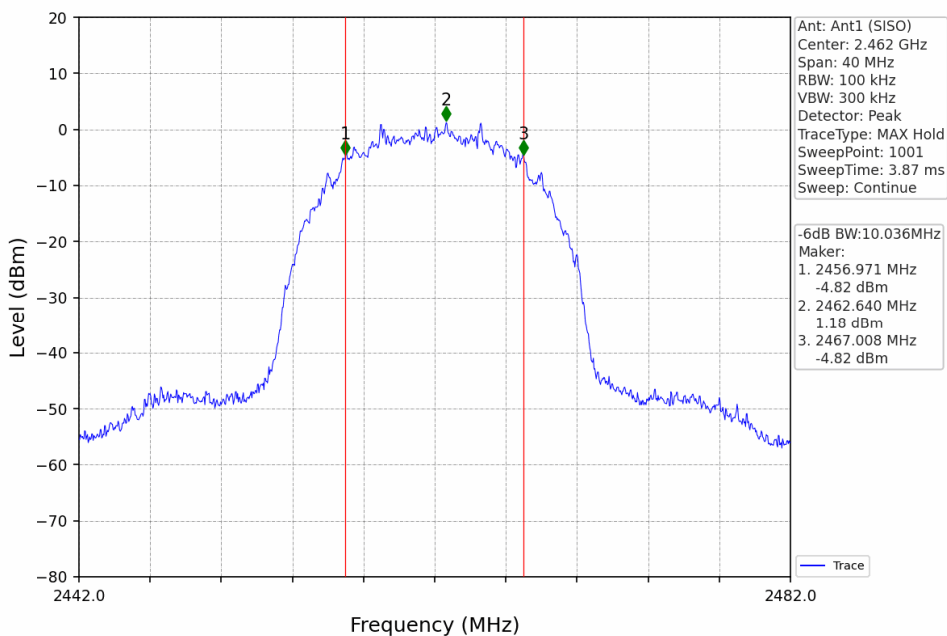
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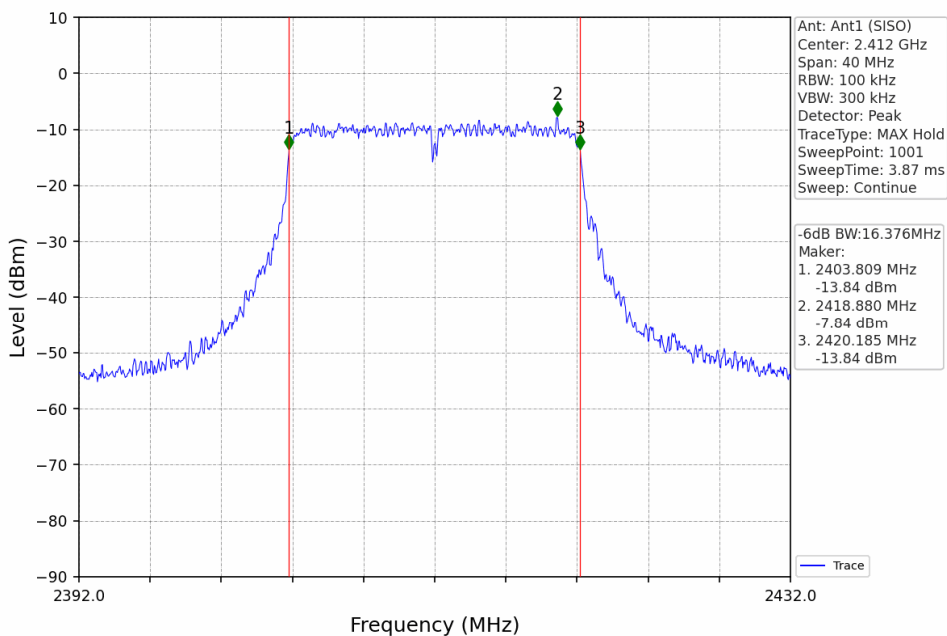
## 2.2.2 Test Graph



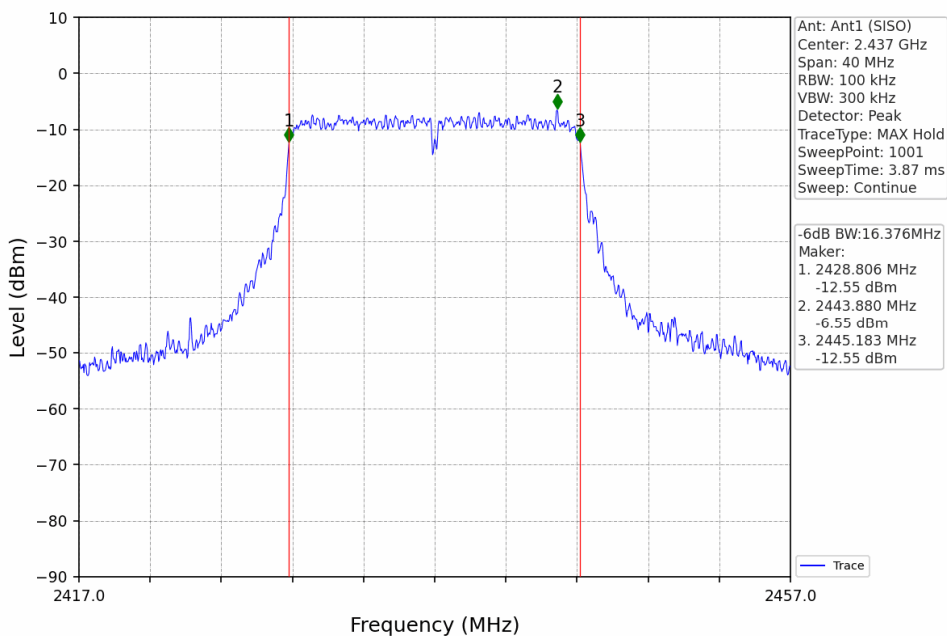
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



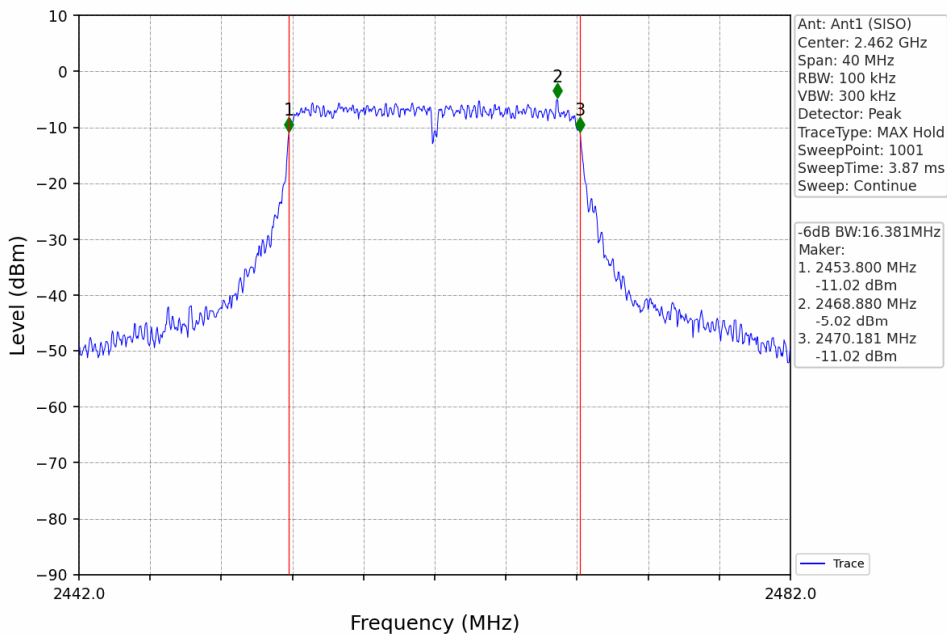
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



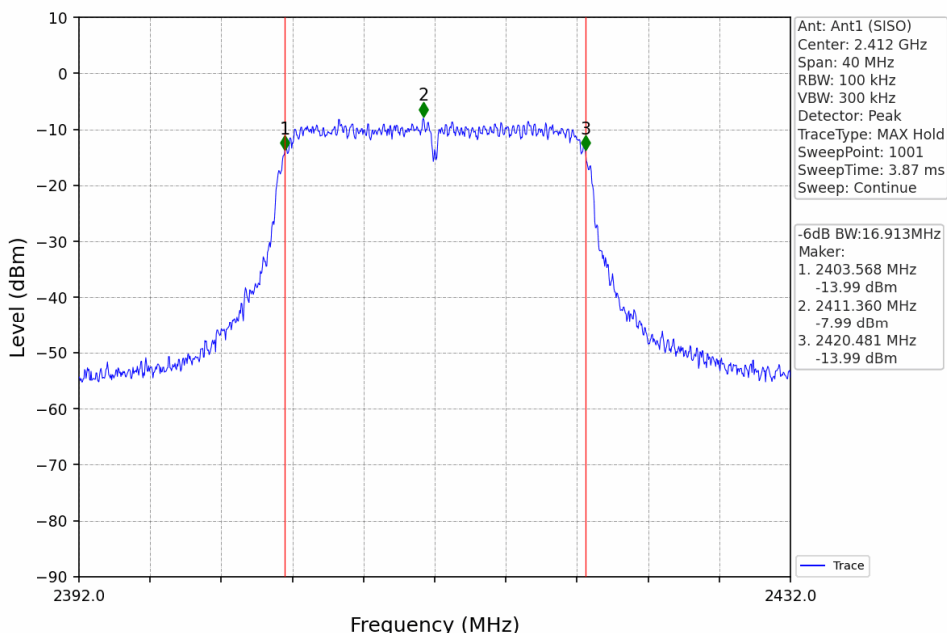
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



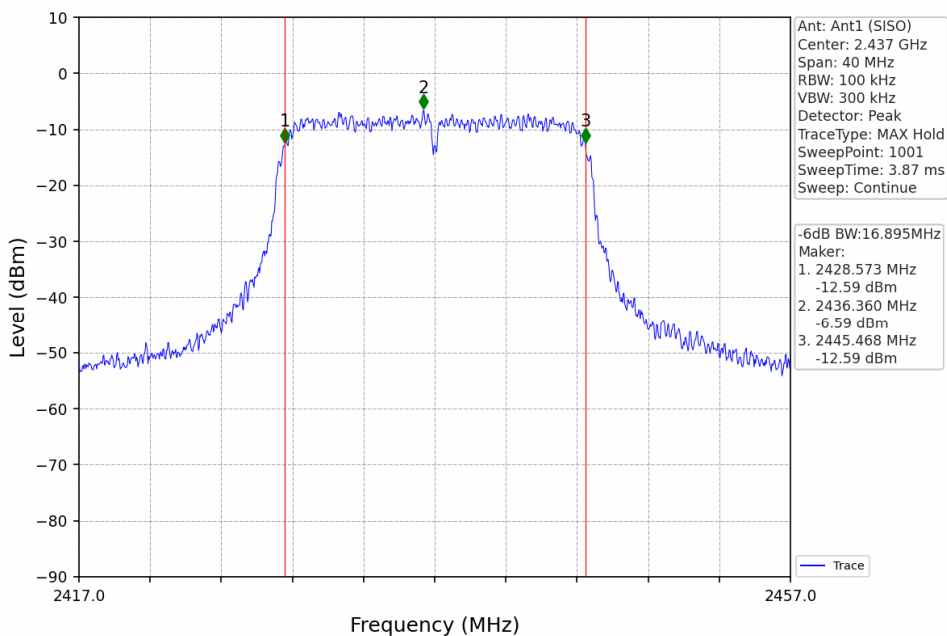
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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

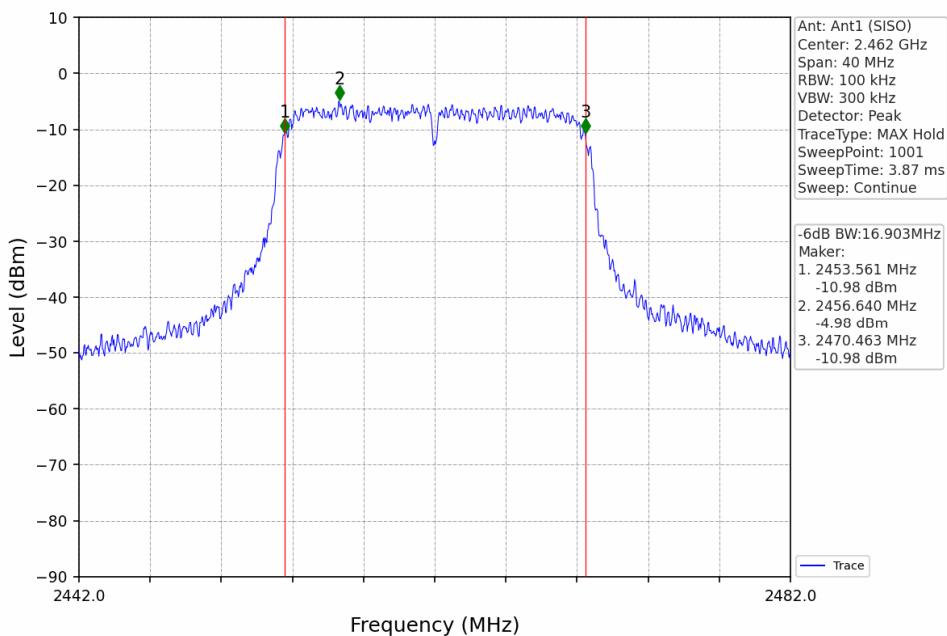


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

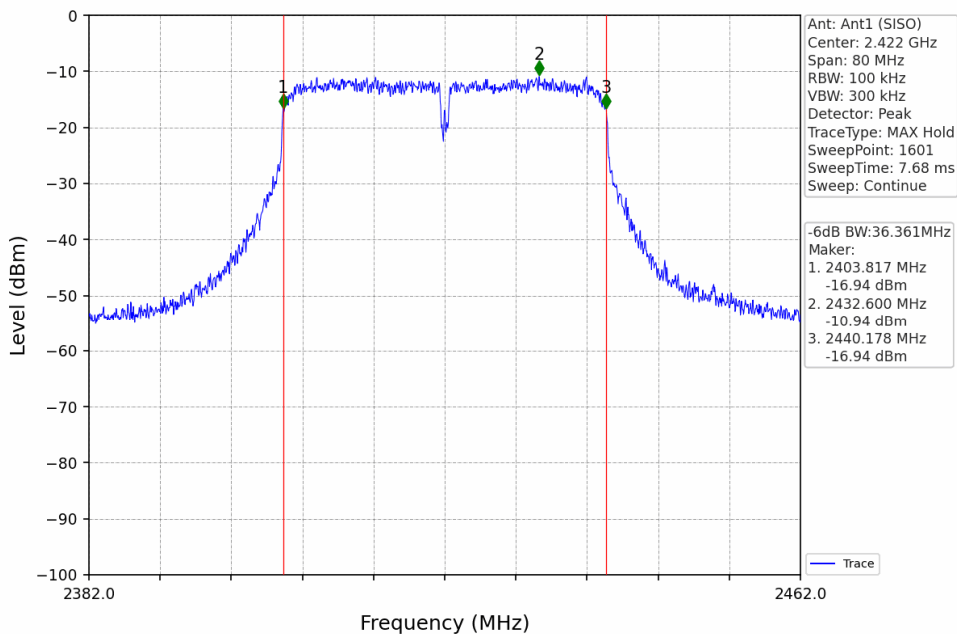




802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



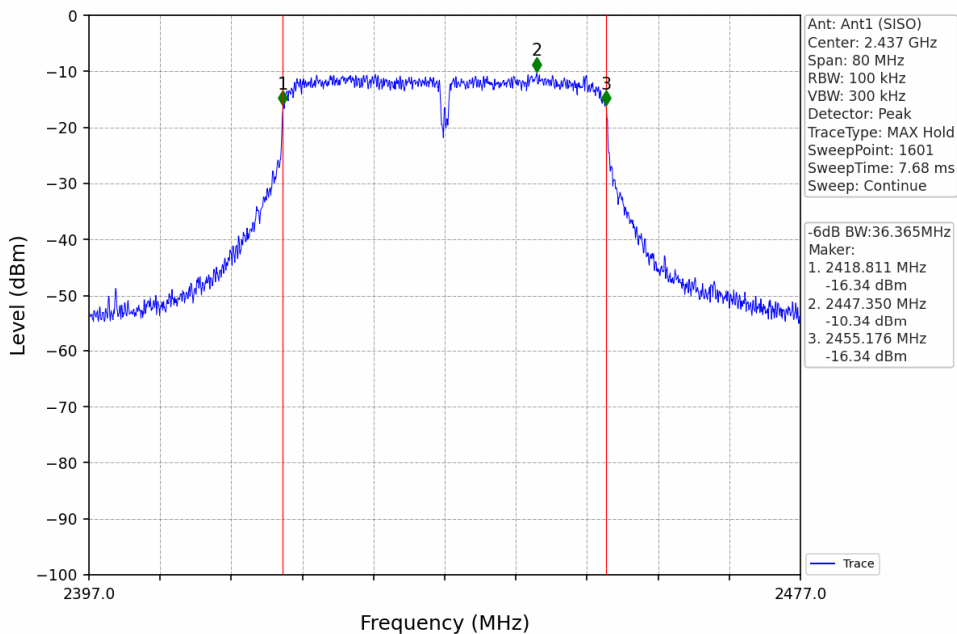
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



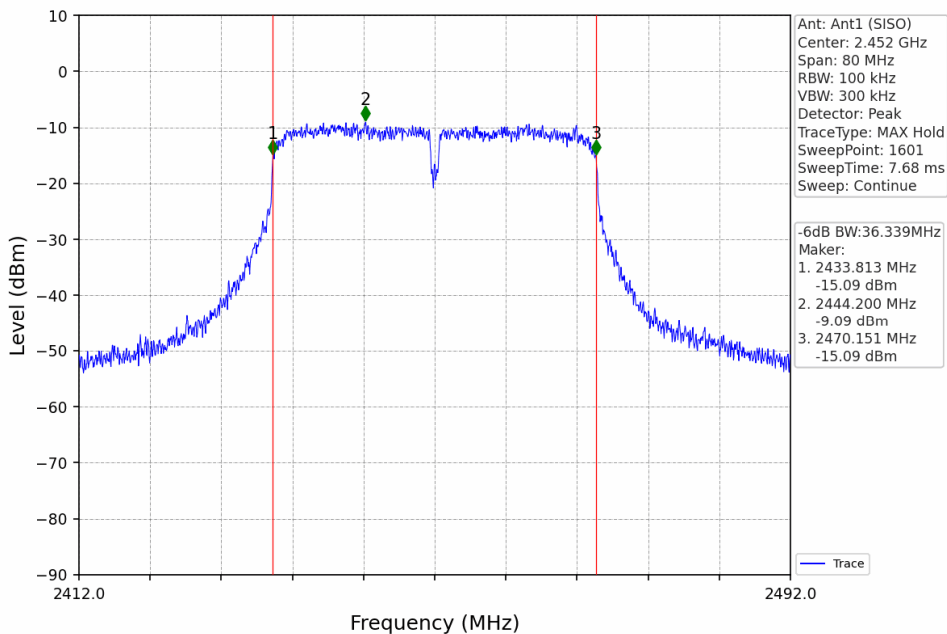
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	6.16	<=30	Pass
		2437	7.57	<=30	Pass
		2462	9.18	<=30	Pass
802.11g	SISO	2412	4.92	<=30	Pass
		2437	6.29	<=30	Pass
		2462	8.00	<=30	Pass
802.11n (HT20)	SISO	2412	4.66	<=30	Pass
		2437	6.03	<=30	Pass
		2462	7.75	<=30	Pass
802.11n (HT40)	SISO	2422	5.54	<=30	Pass
		2437	6.32	<=30	Pass
		2452	7.30	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

## 4. Maximum Power Spectral Density

## 4.1 PSD

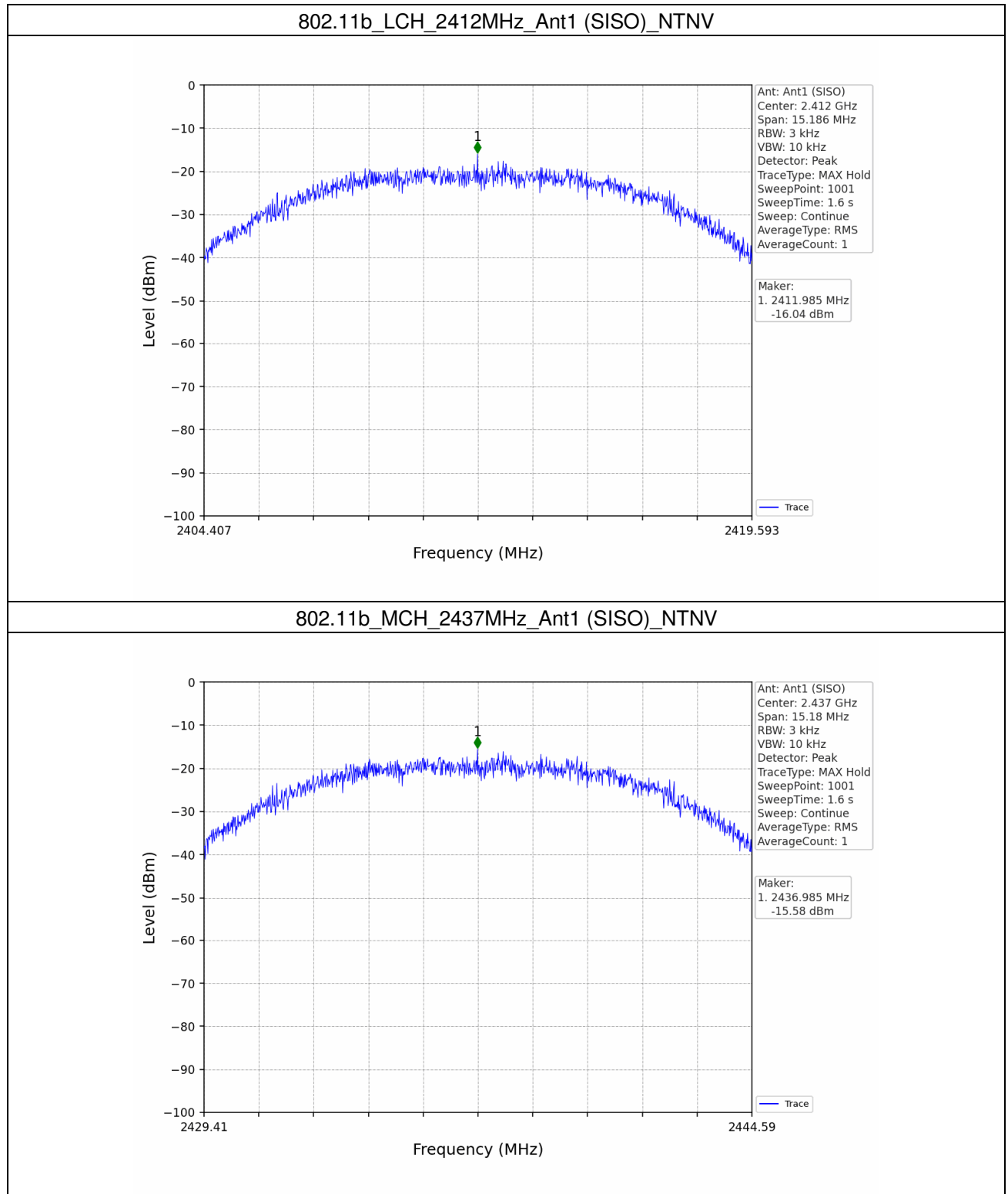
## 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-16.04	<=8	Pass
		2437	-15.58	<=8	Pass
		2462	-15.12	<=8	Pass
802.11g	SISO	2412	-22.65	<=8	Pass
		2437	-21.93	<=8	Pass
		2462	-19.81	<=8	Pass
802.11n (HT20)	SISO	2412	-21.47	<=8	Pass
		2437	-21.44	<=8	Pass
		2462	-19.82	<=8	Pass
802.11n (HT40)	SISO	2422	-22.53	<=8	Pass
		2437	-21.66	<=8	Pass
		2452	-21.87	<=8	Pass

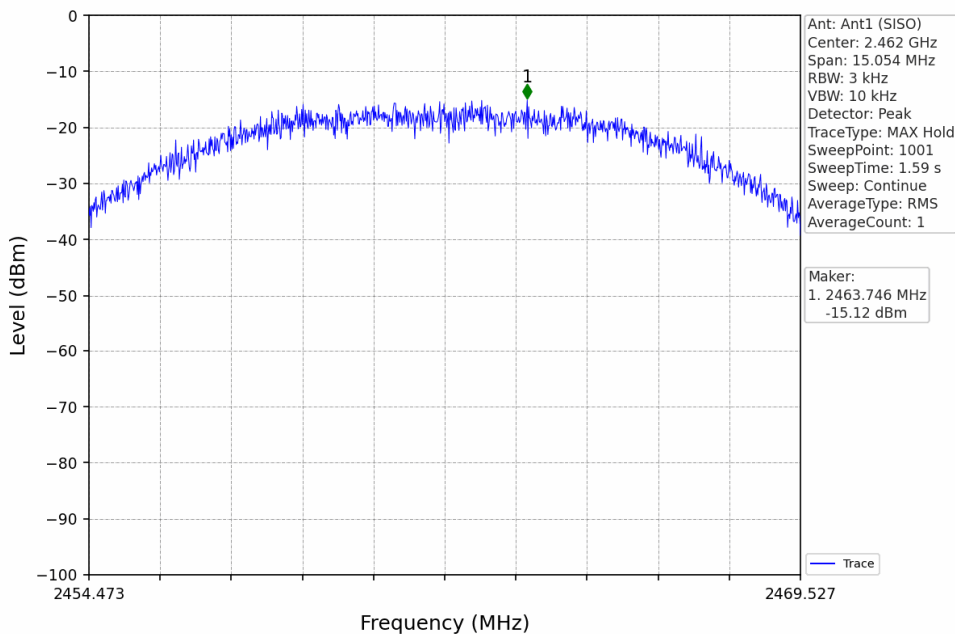
Note1: Antenna Gain: Ant1: 2.00dBi;



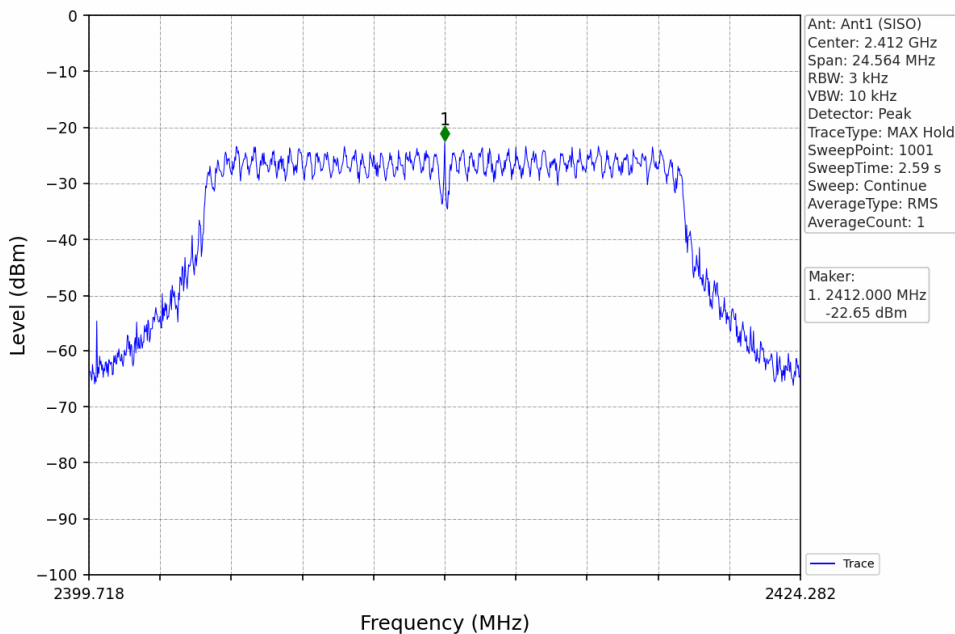
### 4.1.2 Test Graph



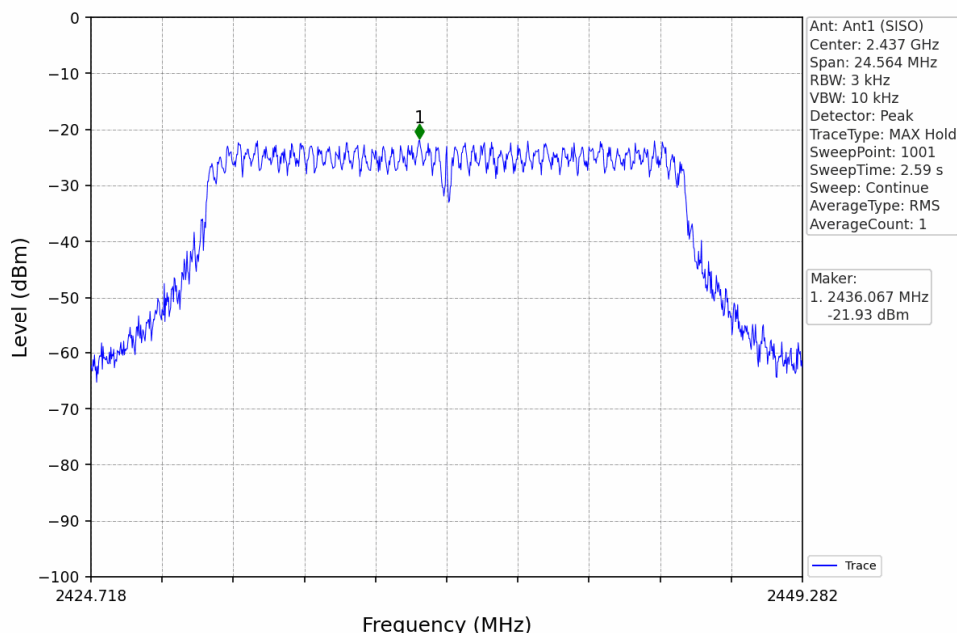
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



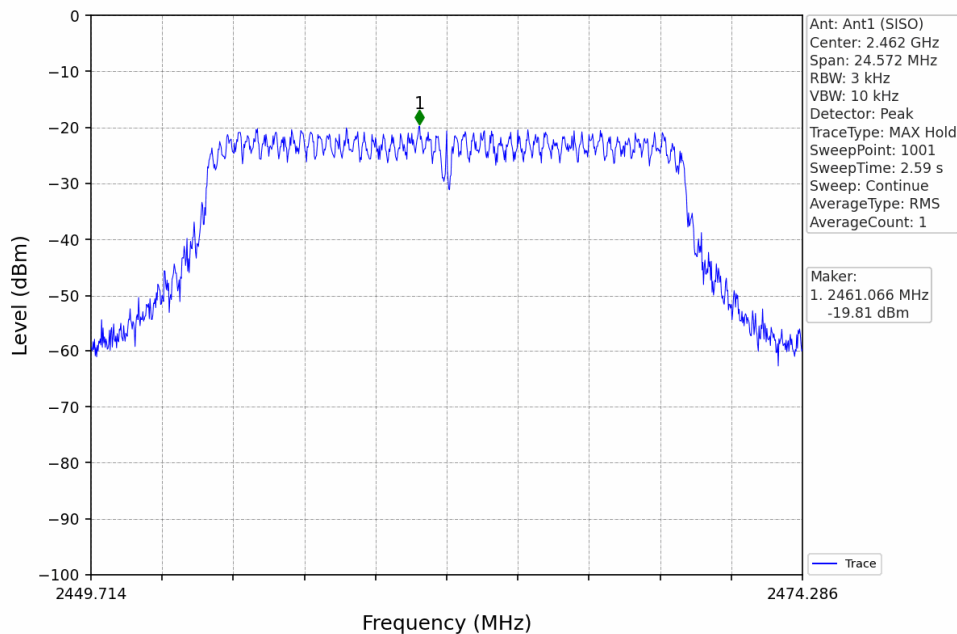
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



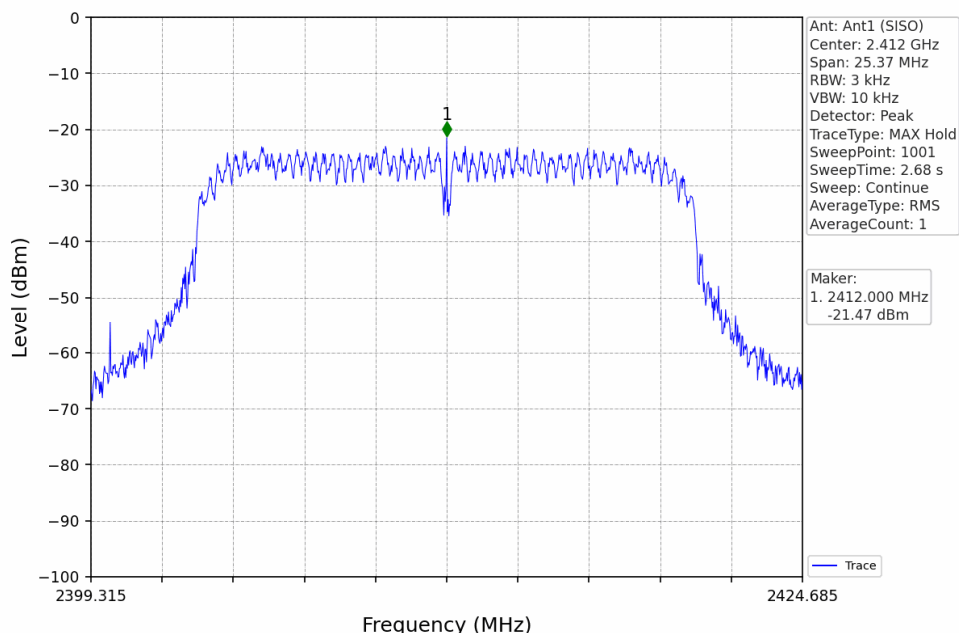
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



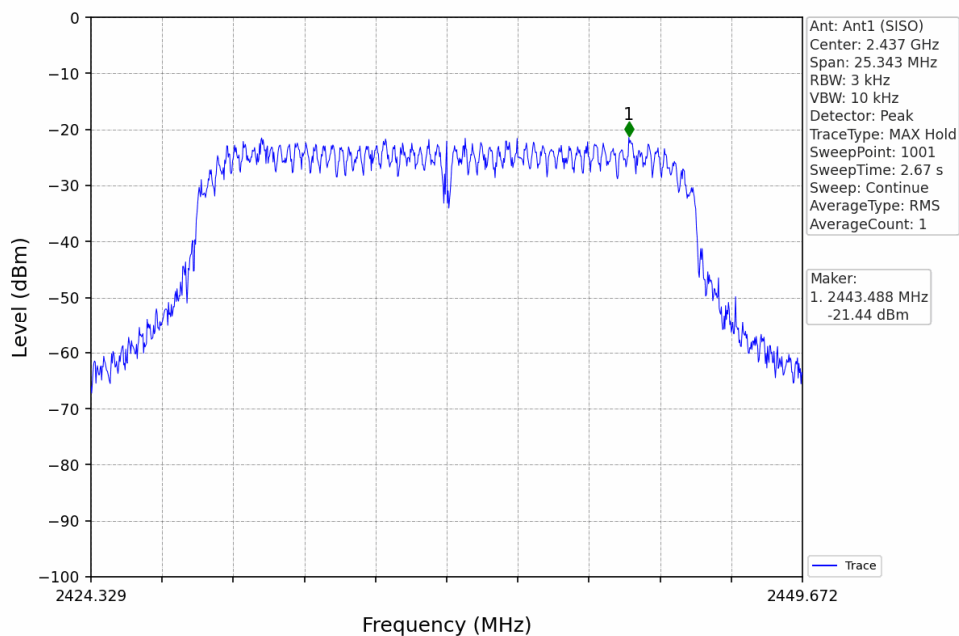
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

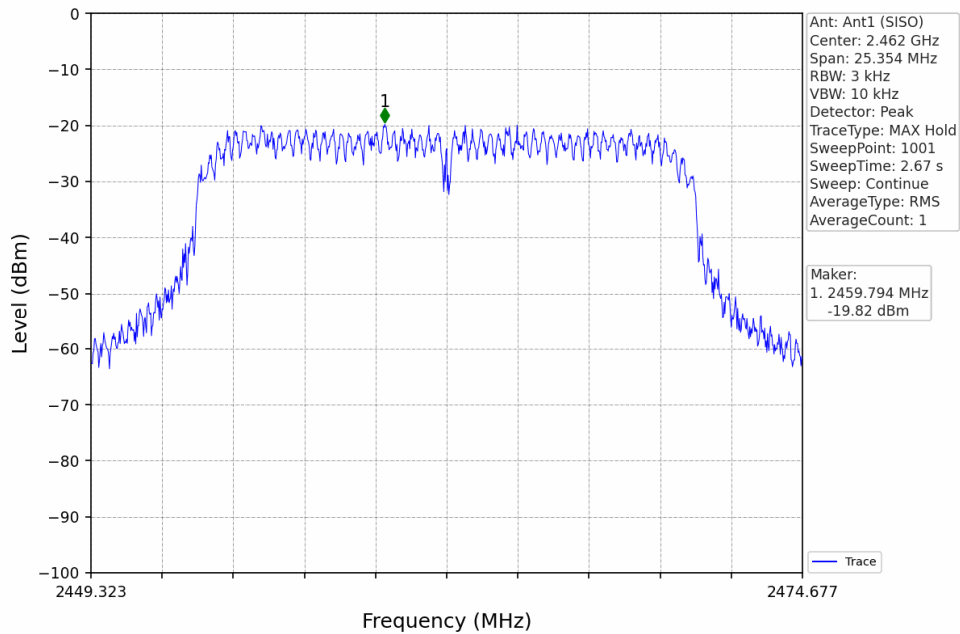


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

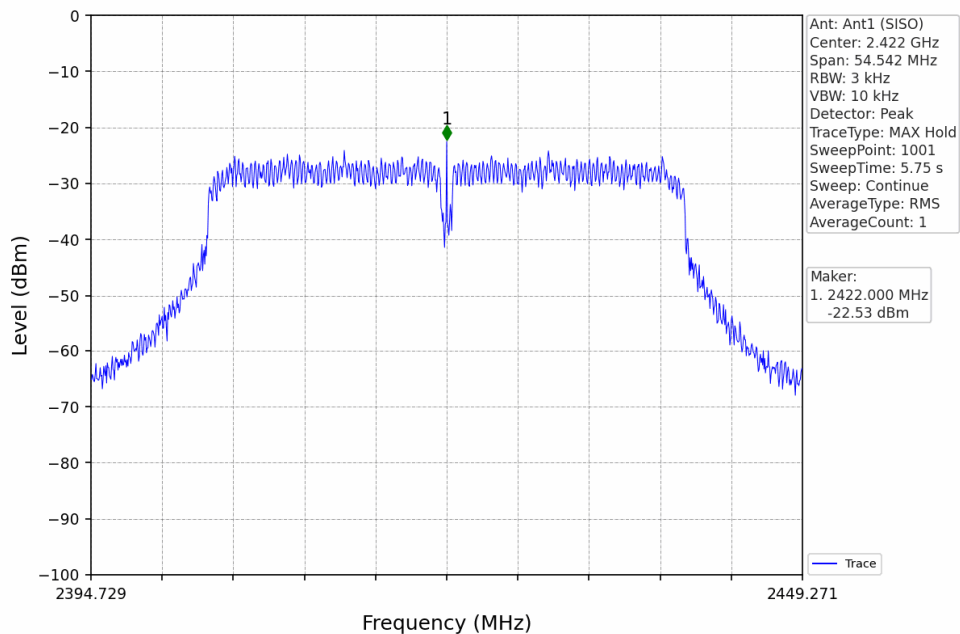




802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

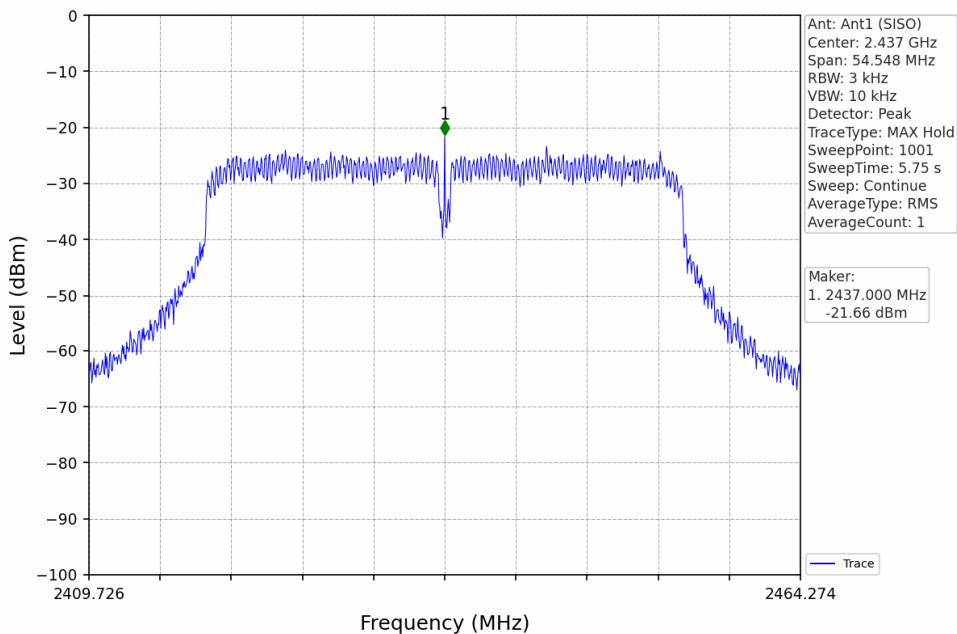


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

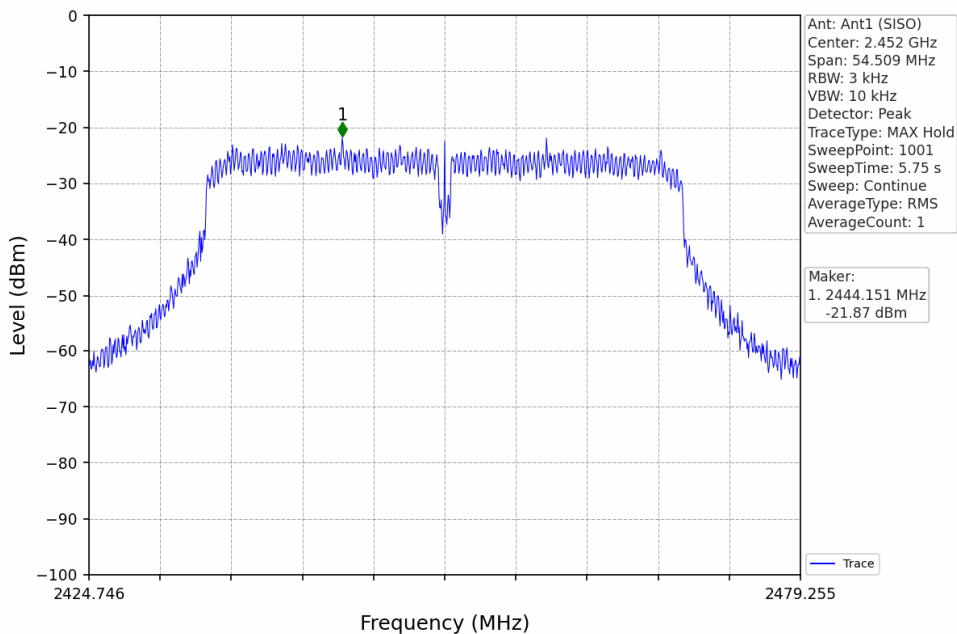


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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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## 5. Unwanted Emissions In Non-restricted Frequency Bands

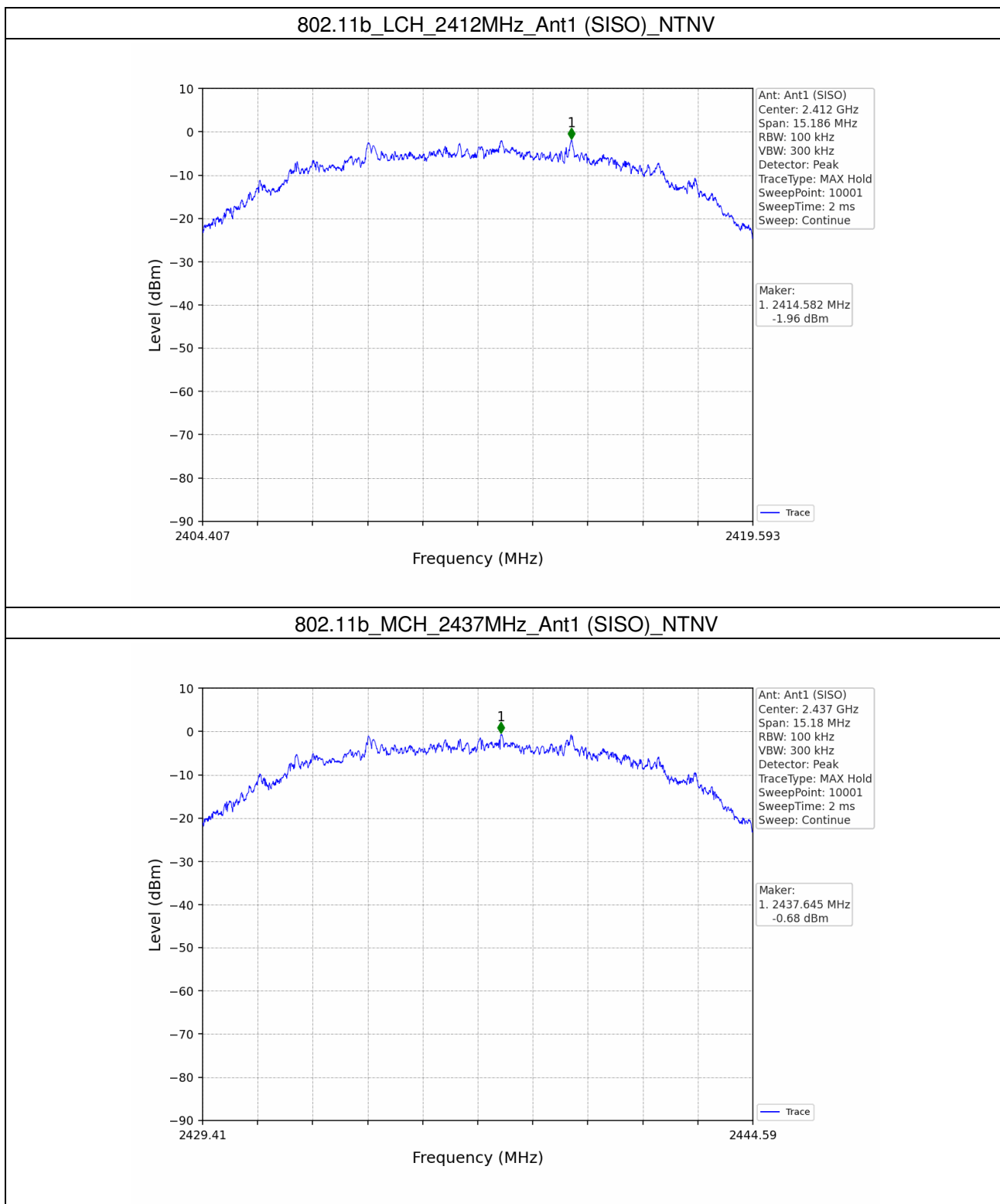
## 5.1 Ref

## 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	-1.96
		2437	1	-0.68
		2462	1	1.02
802.11g	SISO	2412	1	-7.92
		2437	1	-6.54
		2462	1	-5.13
802.11n (HT20)	SISO	2412	1	-8.33
		2437	1	-6.67
		2462	1	-5.20
802.11n (HT40)	SISO	2422	1	-11.11
		2437	1	-10.31
		2452	1	-8.93

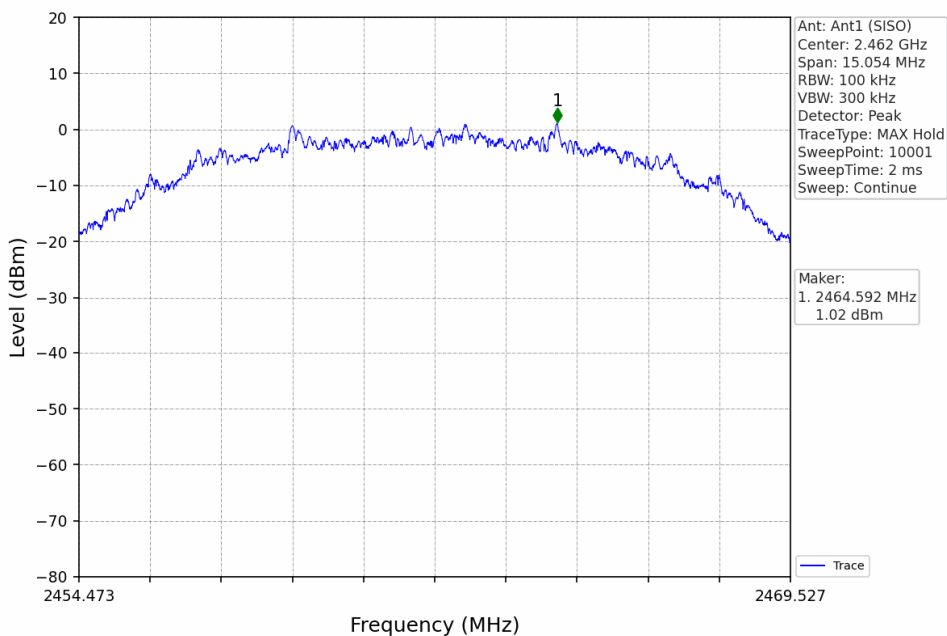
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

### 5.1.2 Test Graph

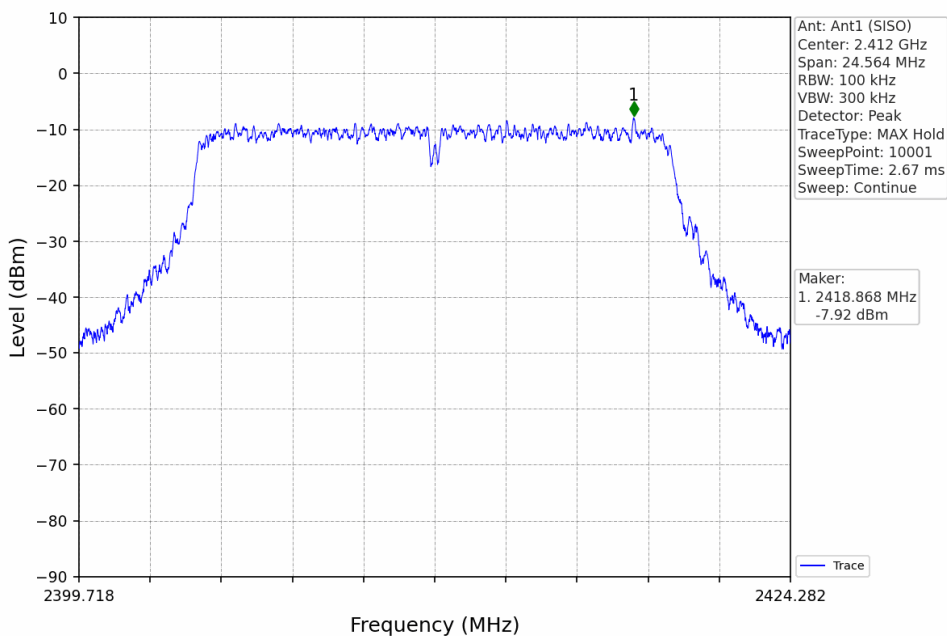




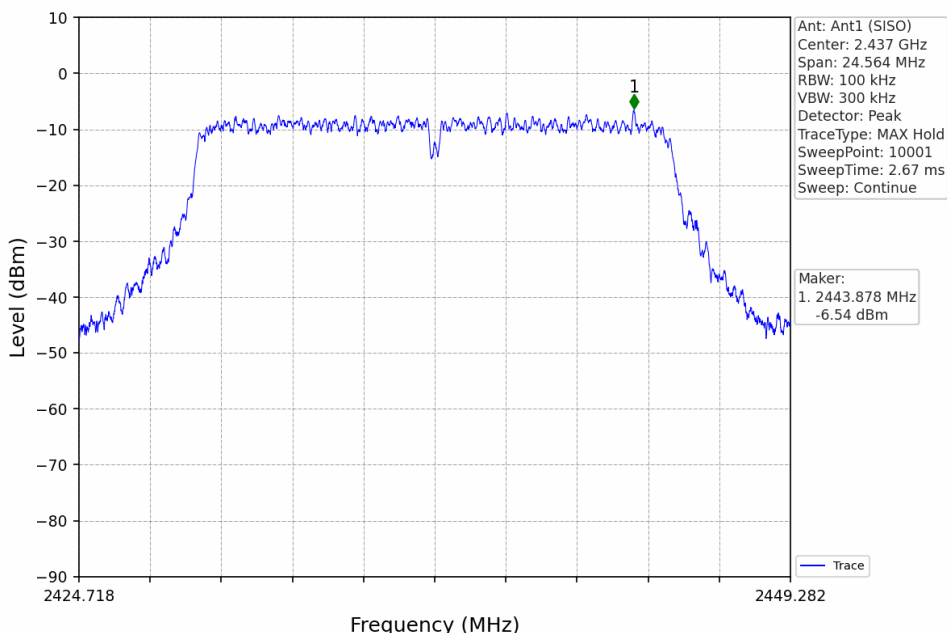
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



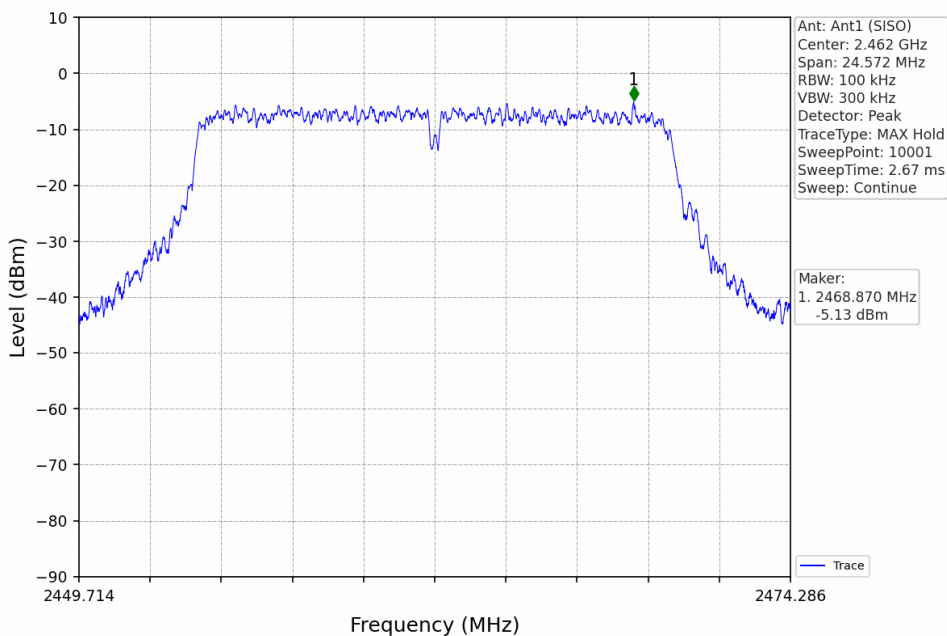
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



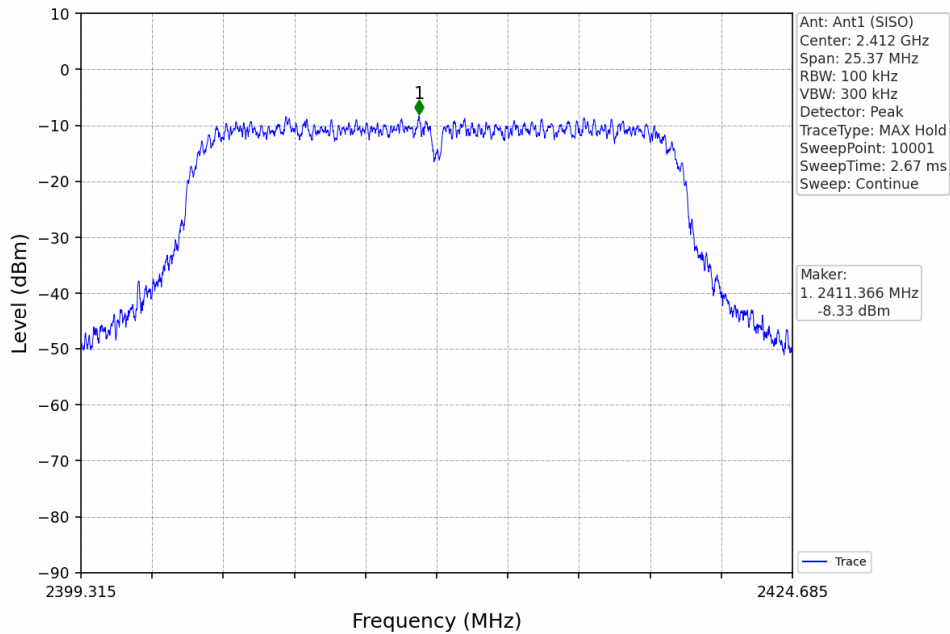
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



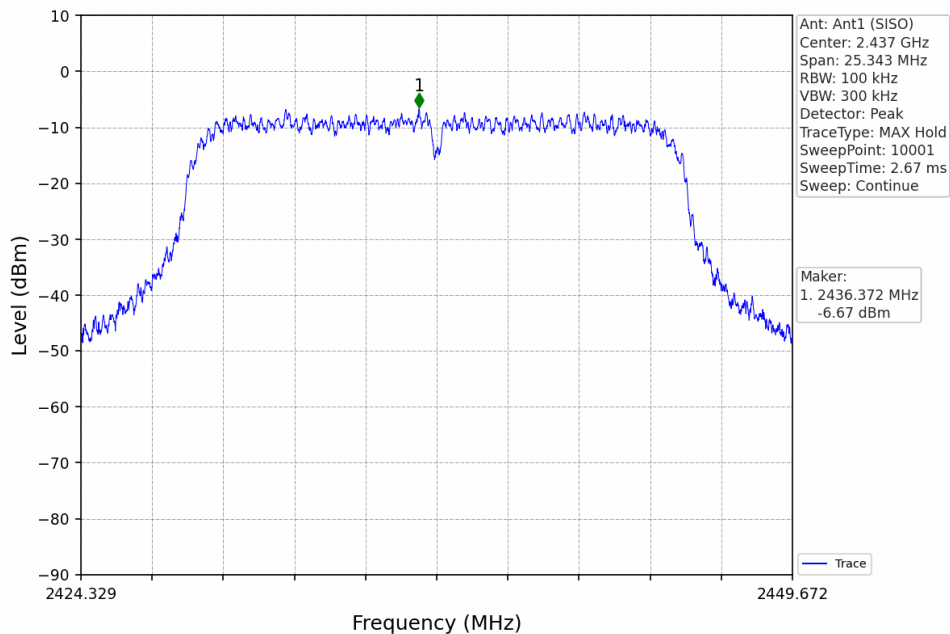
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



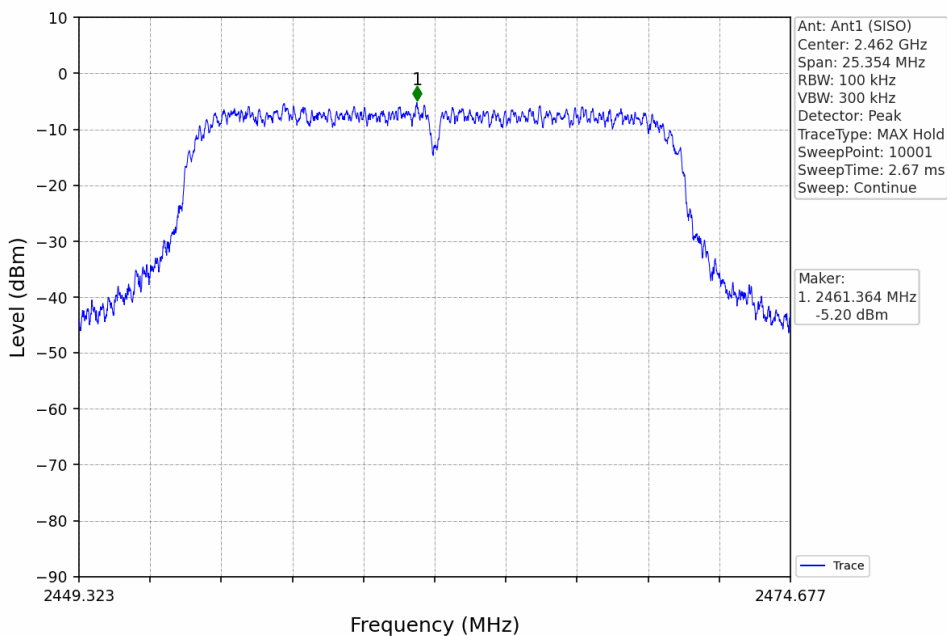
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



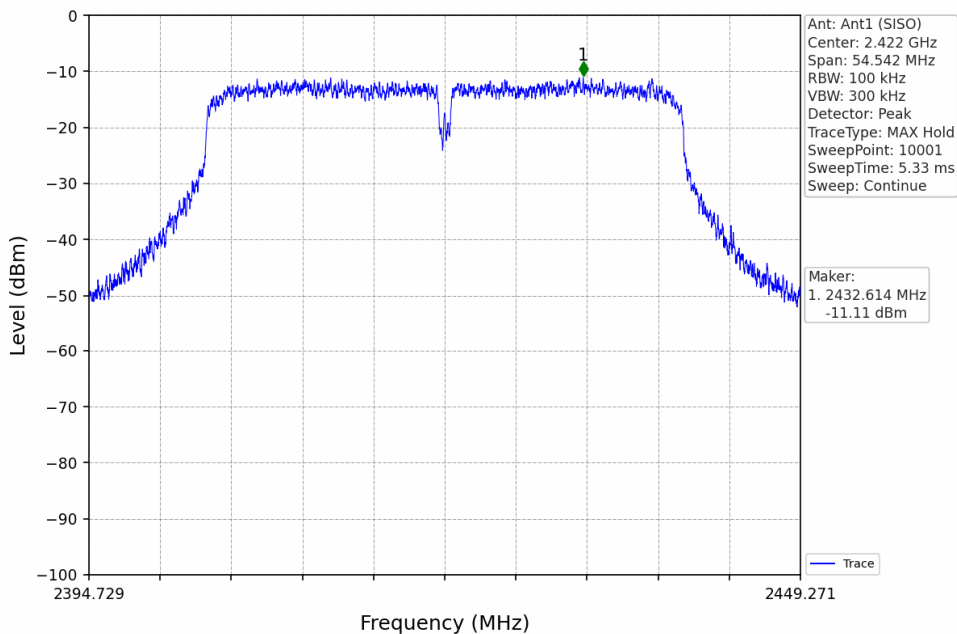
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



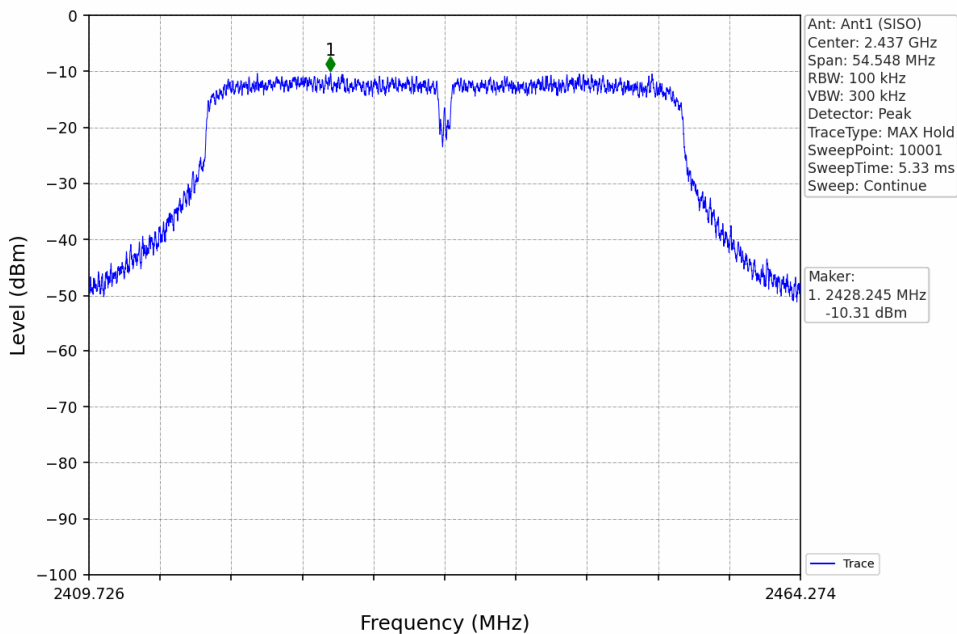
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



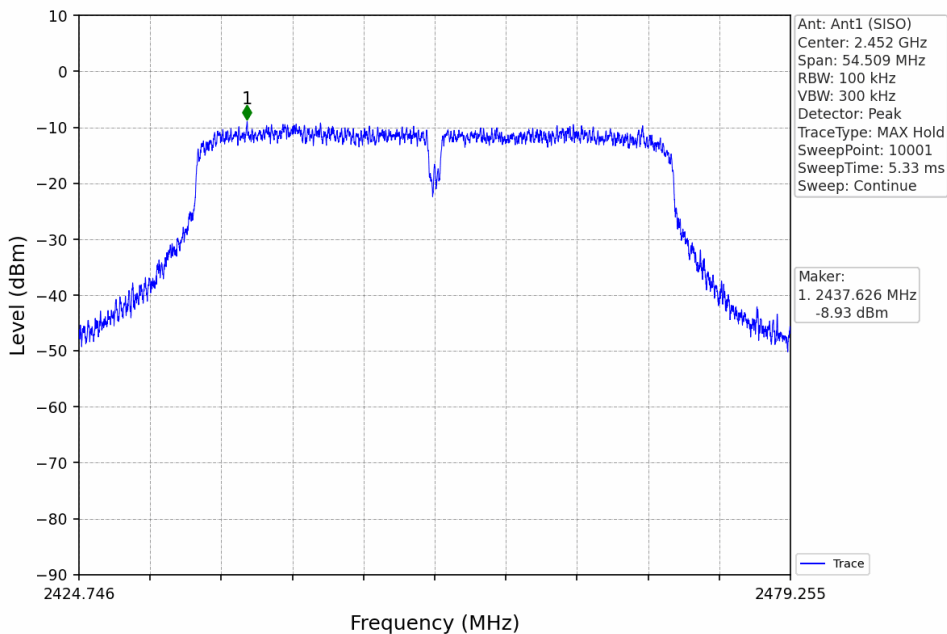
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802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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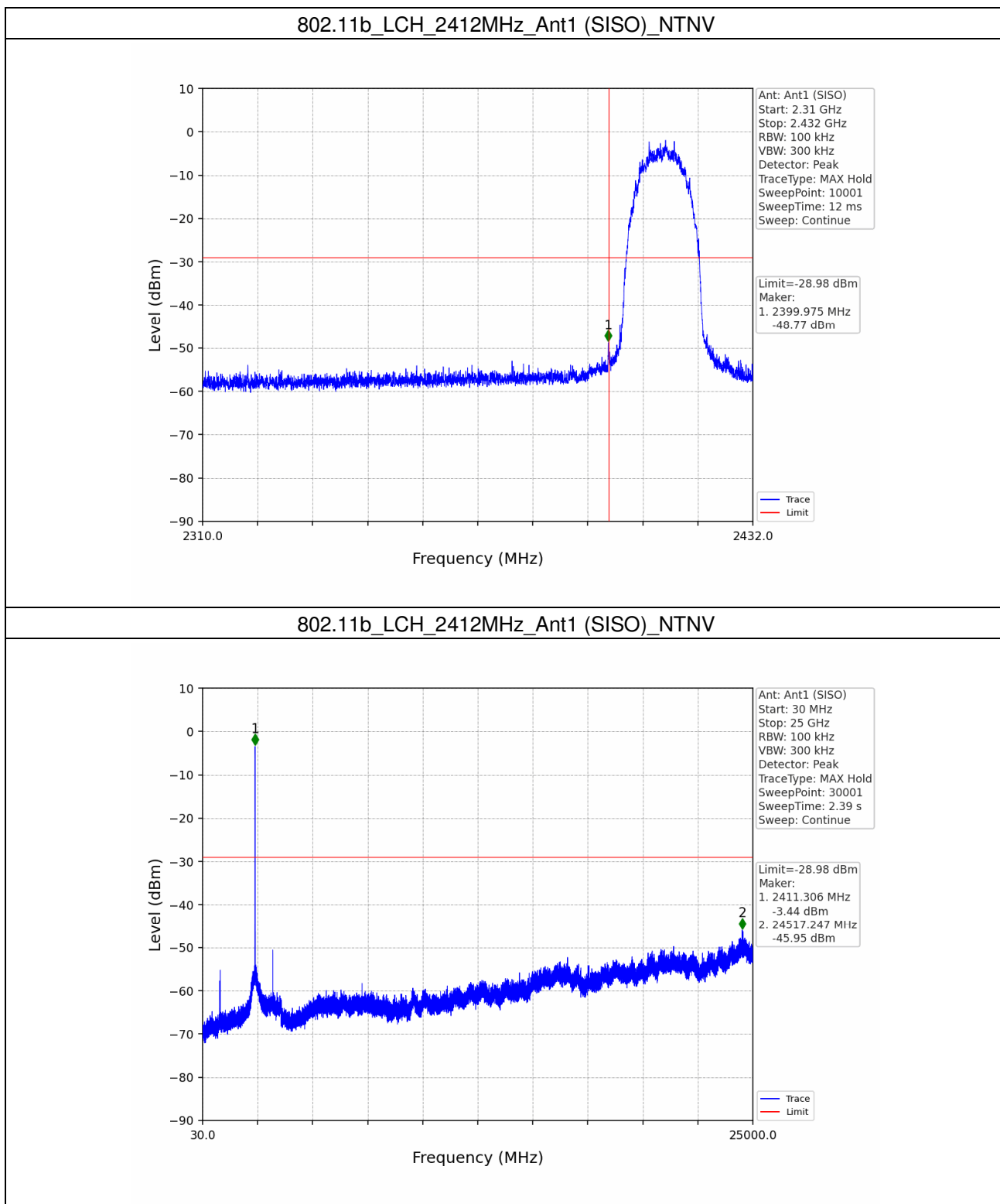
## 5.2 CSE

## 5.2.1 Test Result

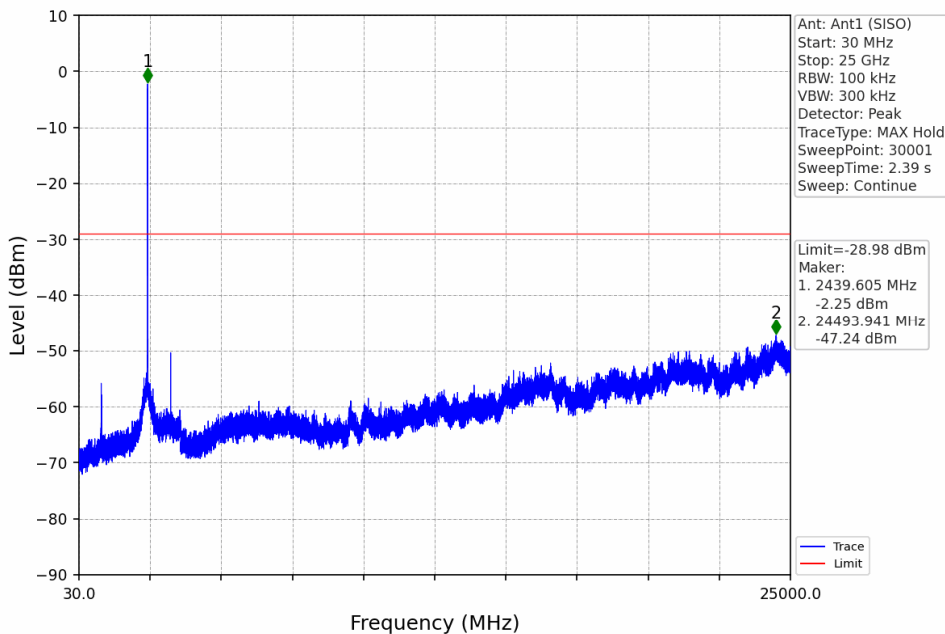
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.02	-28.98	Pass
		2437	1	1.02	-28.98	Pass
		2462	1	1.02	-28.98	Pass
802.11g	SISO	2412	1	-5.13	-35.13	Pass
		2437	1	-5.13	-35.13	Pass
		2462	1	-5.13	-35.13	Pass
802.11n (HT20)	SISO	2412	1	-5.20	-35.20	Pass
		2437	1	-5.20	-35.20	Pass
		2462	1	-5.20	-35.20	Pass
802.11n (HT40)	SISO	2422	1	-8.93	-38.93	Pass
		2437	1	-8.93	-38.93	Pass
		2452	1	-8.93	-38.93	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

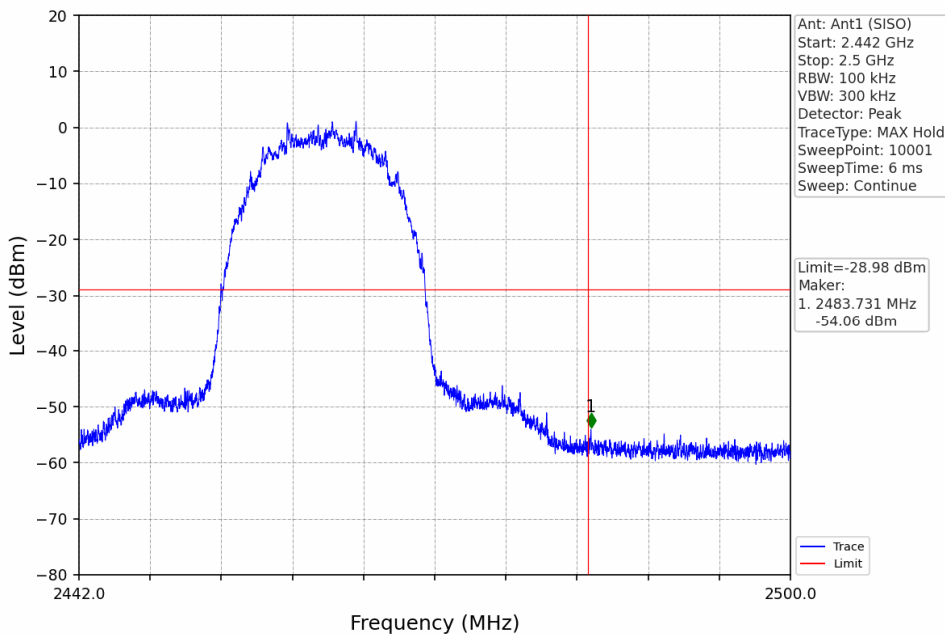
### 5.2.2 Test Graph



### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

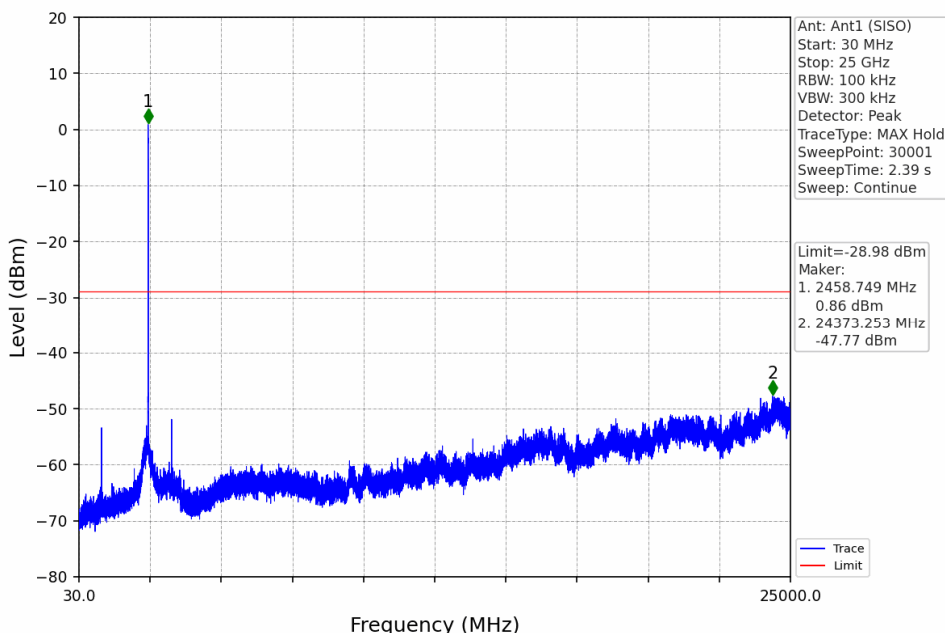


### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

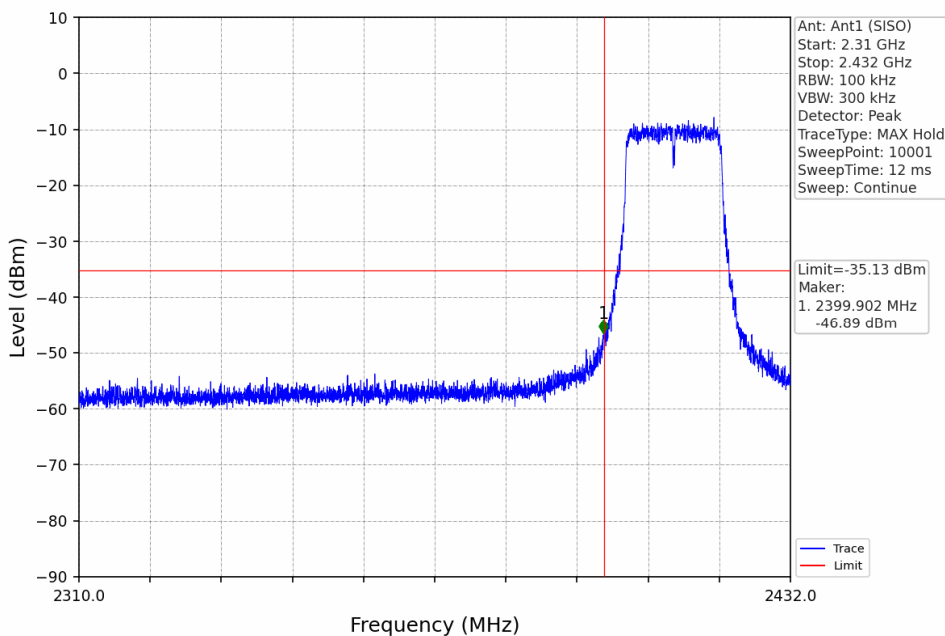




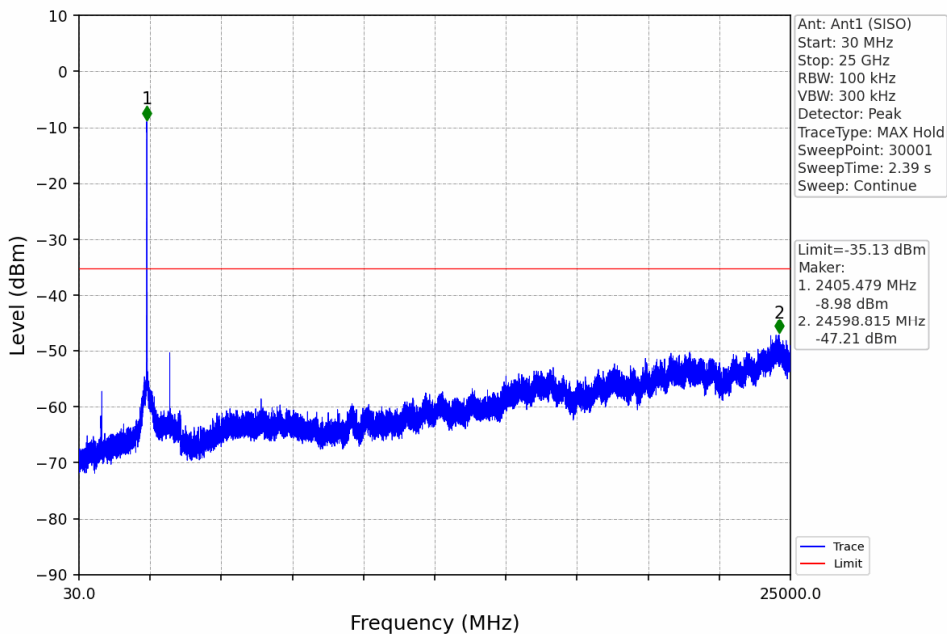
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



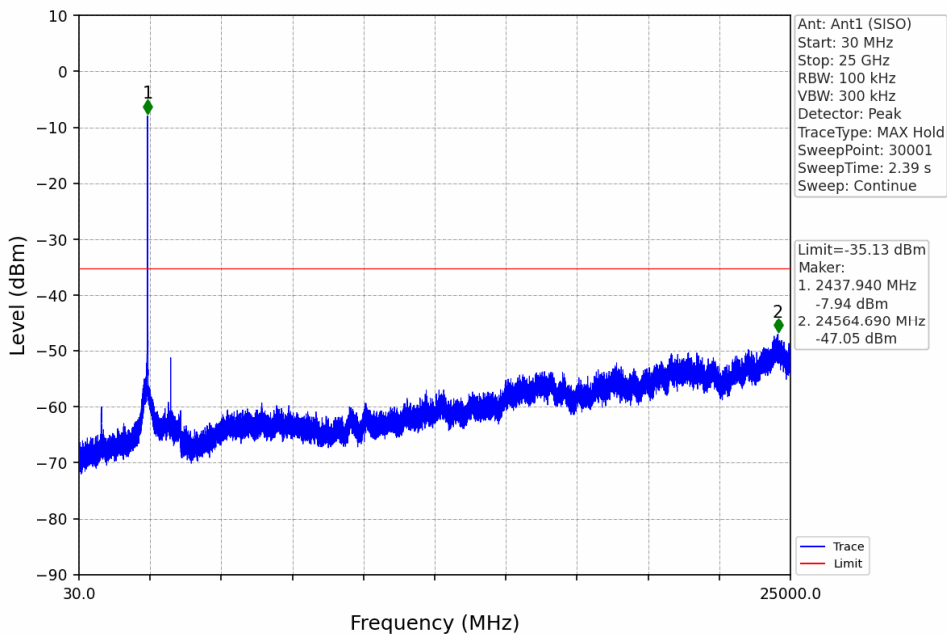
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



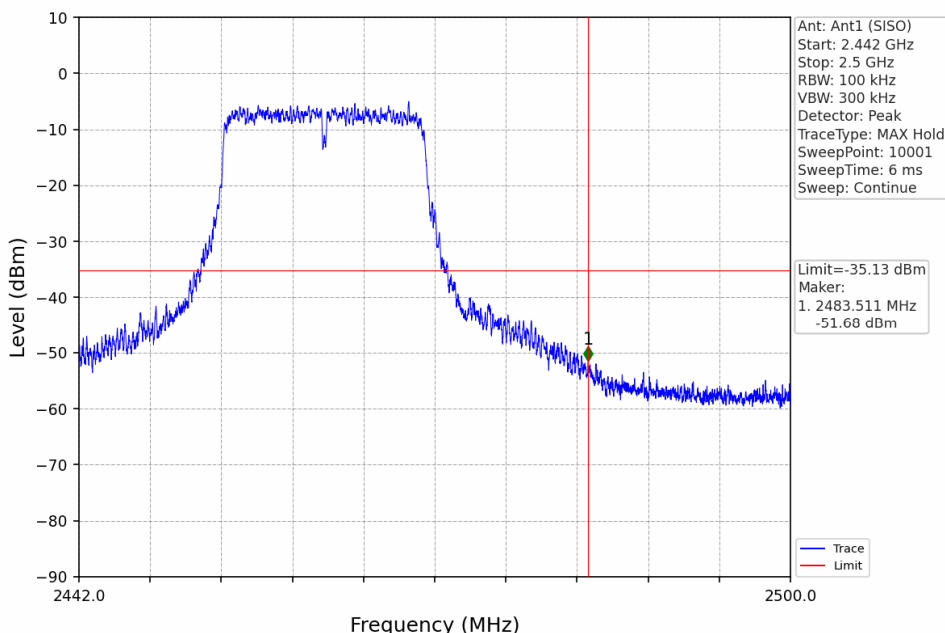
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



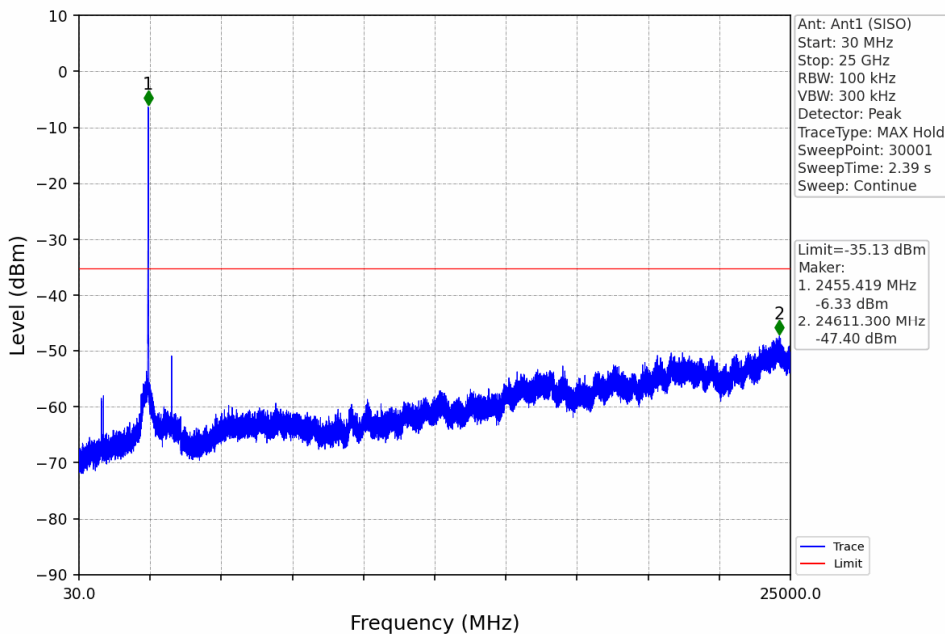
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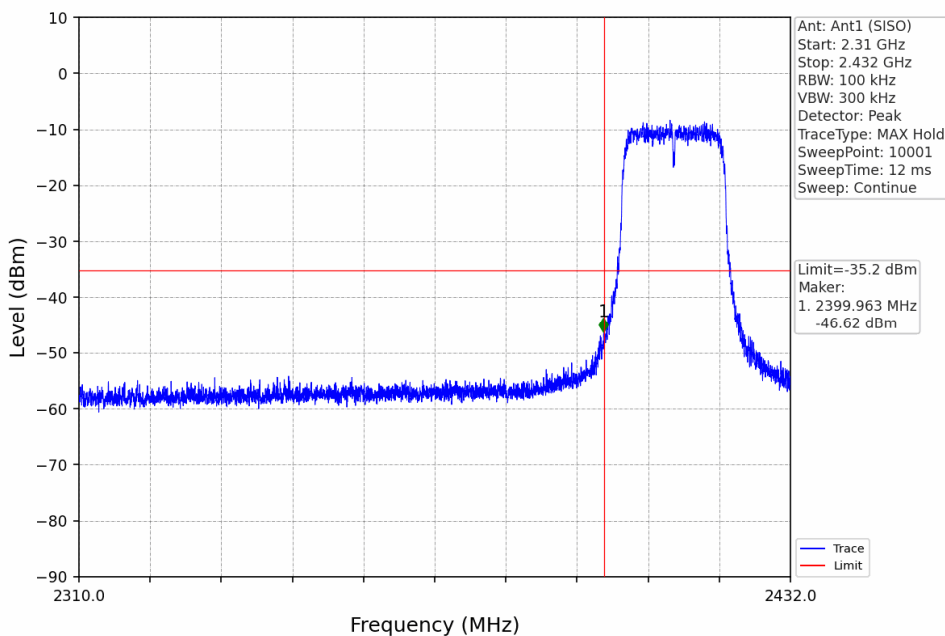


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

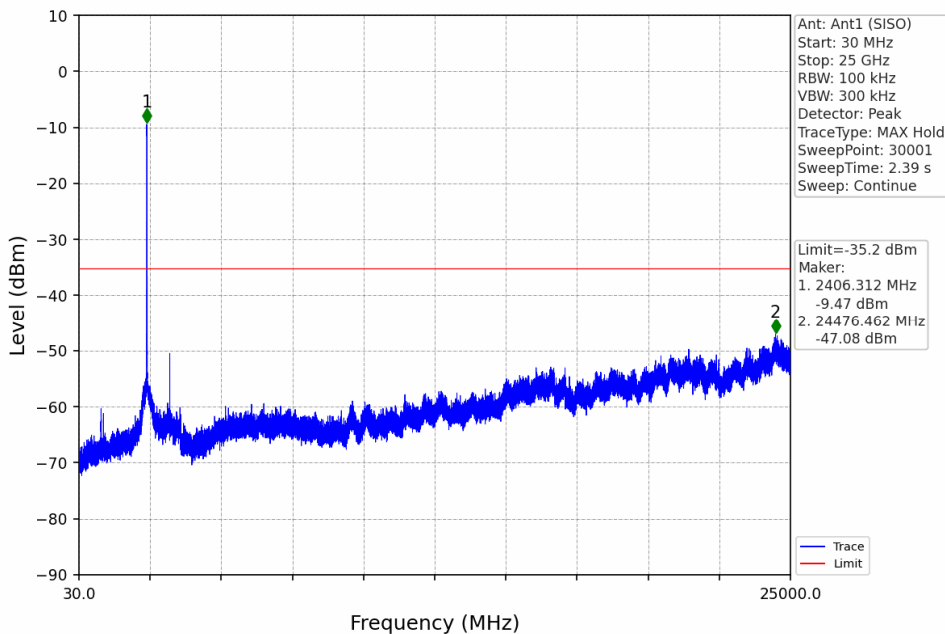


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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

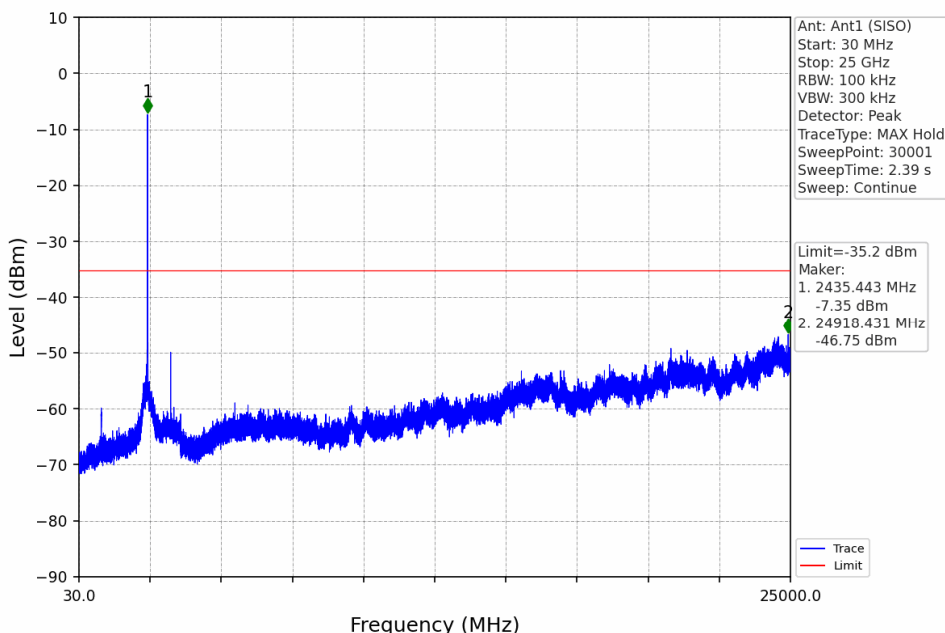


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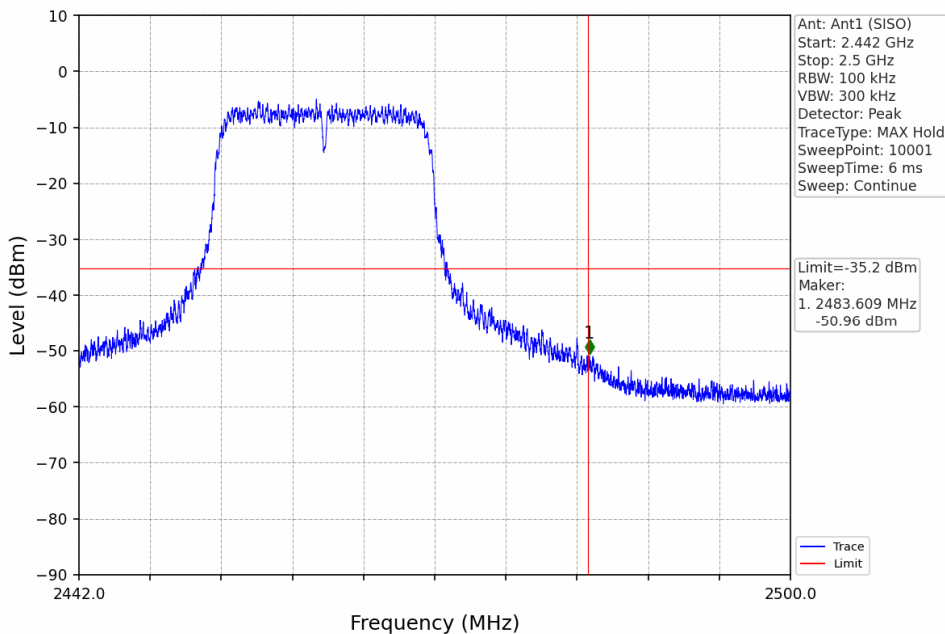
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

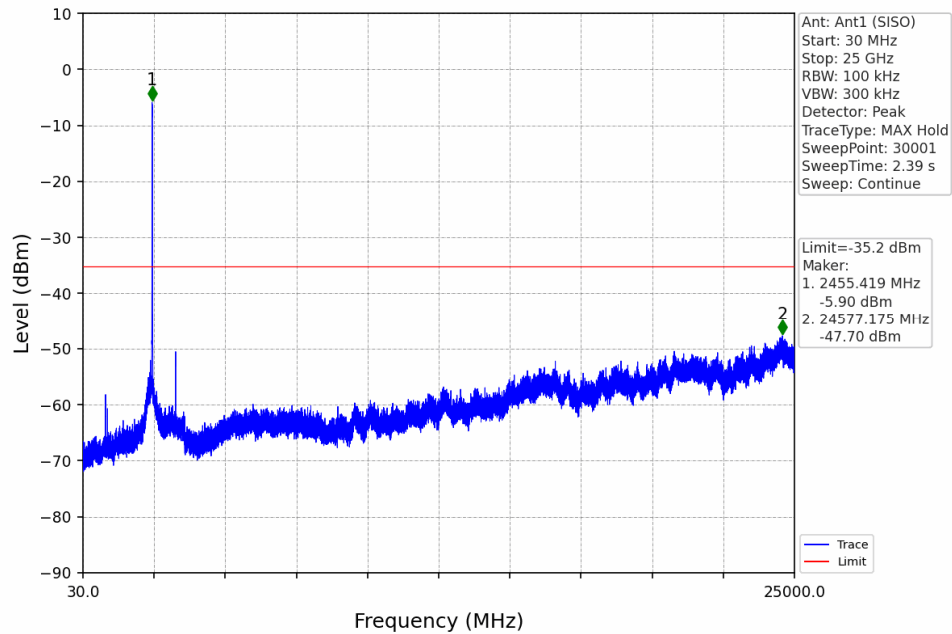


802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

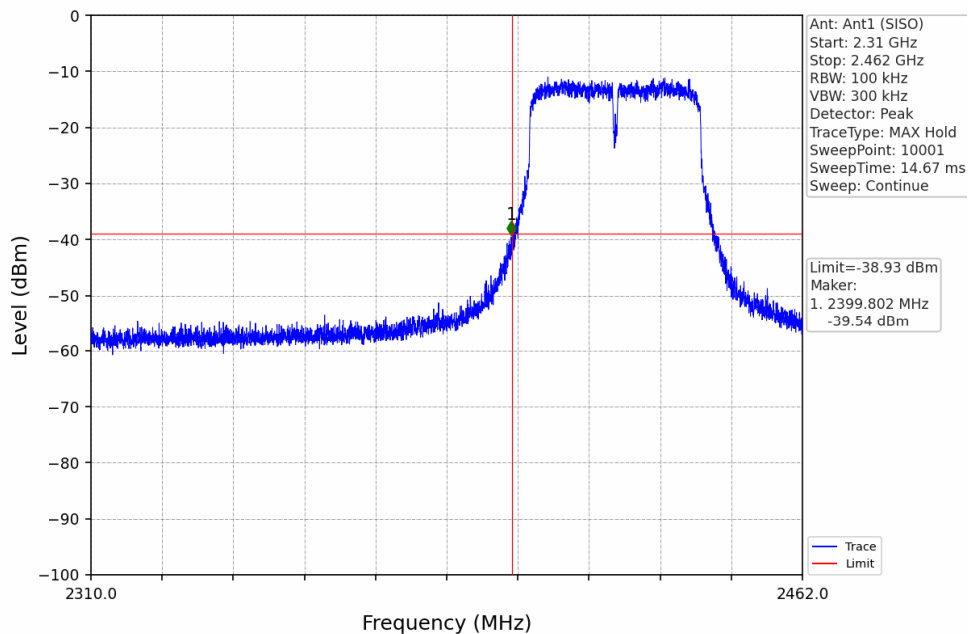


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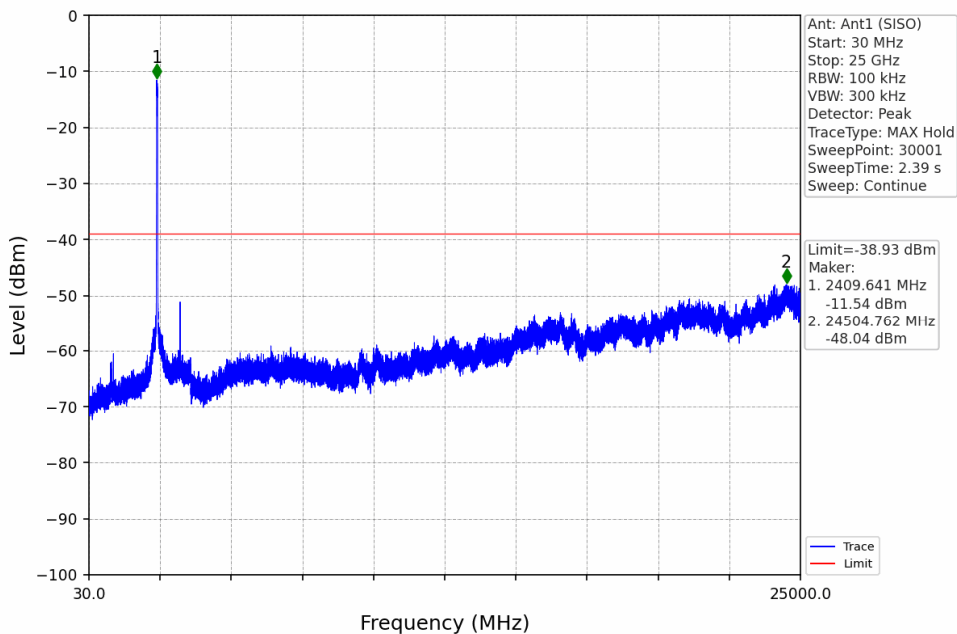
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



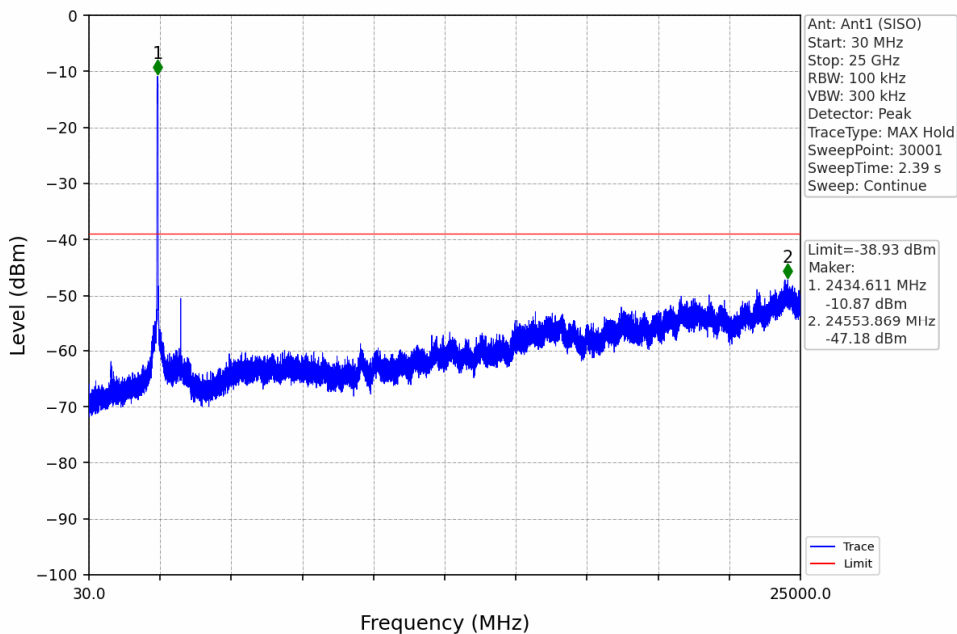
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



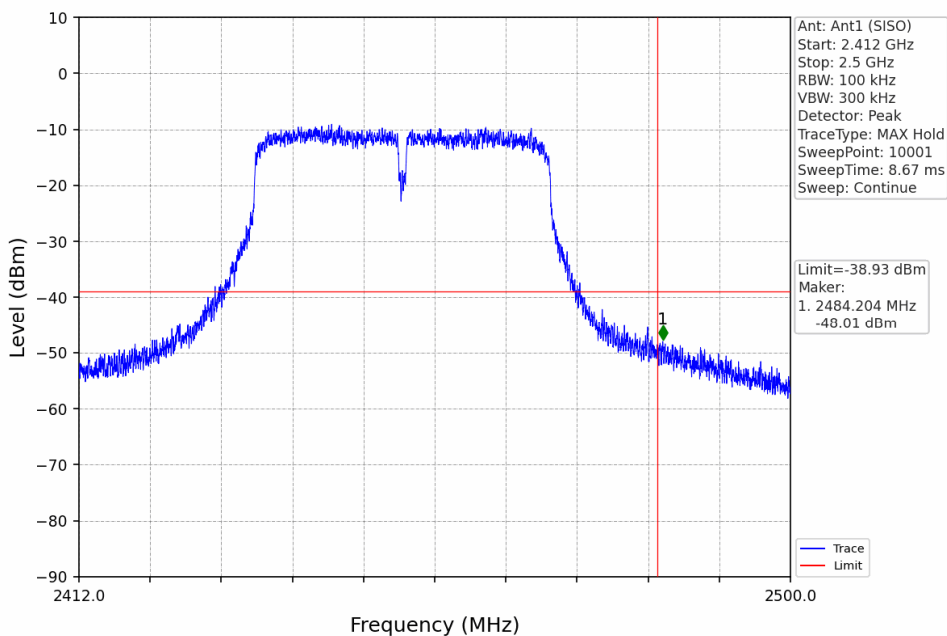
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



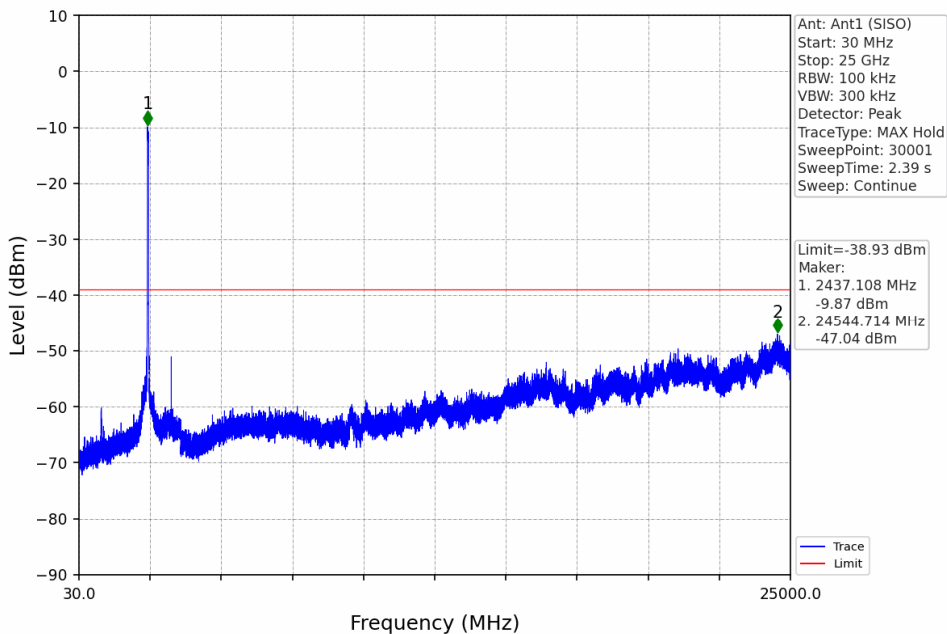
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802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



- End of the Report -