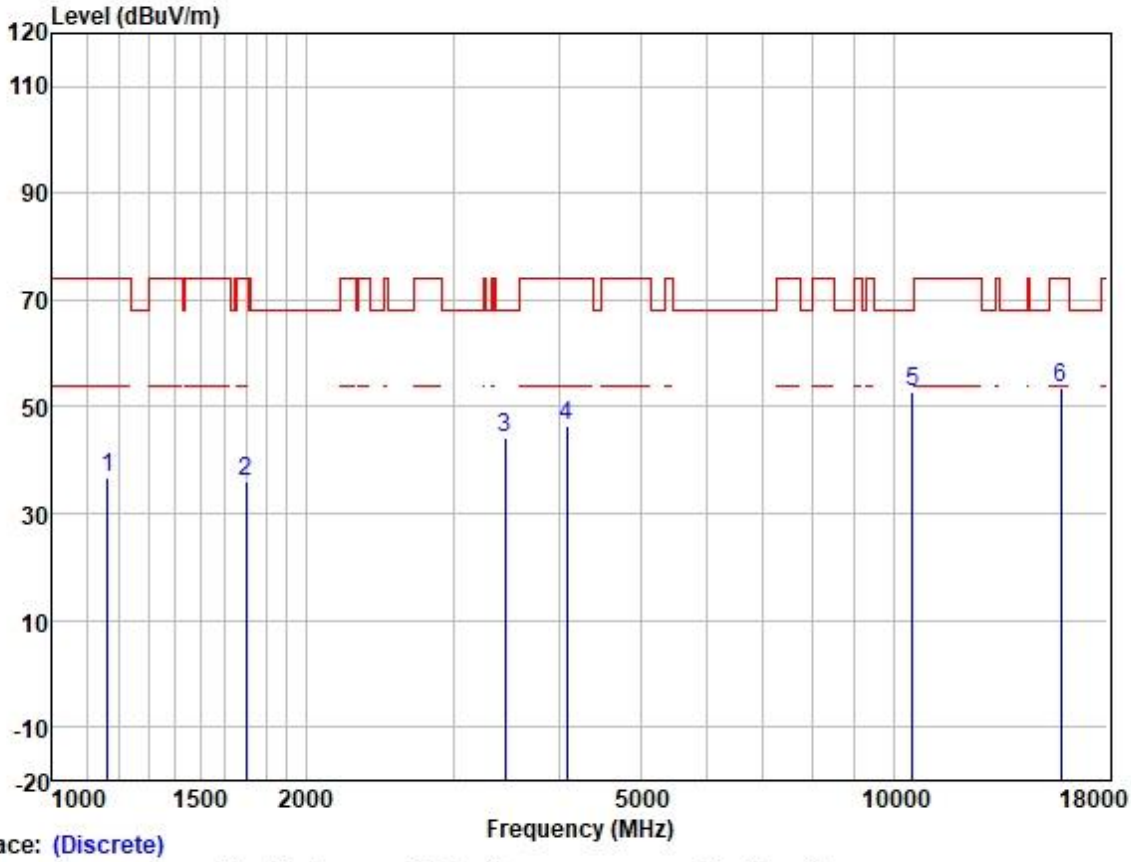
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1162.182	48.39	24.53	2.40	38.42	36.90	74.00	-37.10	VERTICAL	Peak
2	1697.129	45.55	25.71	2.80	37.89	36.17	74.00	-37.83	VERTICAL	Peak
3	3455.508	48.19	28.88	4.20	36.96	44.31	68.20	-23.89	VERTICAL	Peak
4	4086.182	48.58	29.92	4.60	36.80	46.30	74.00	-27.70	VERTICAL	Peak
5	10540.000	43.34	39.53	7.43	37.35	52.95	68.20	-15.25	VERTICAL	Peak
6	15810.000	40.39	38.61	9.86	35.39	53.47	74.00	-20.53	VERTICAL	Peak

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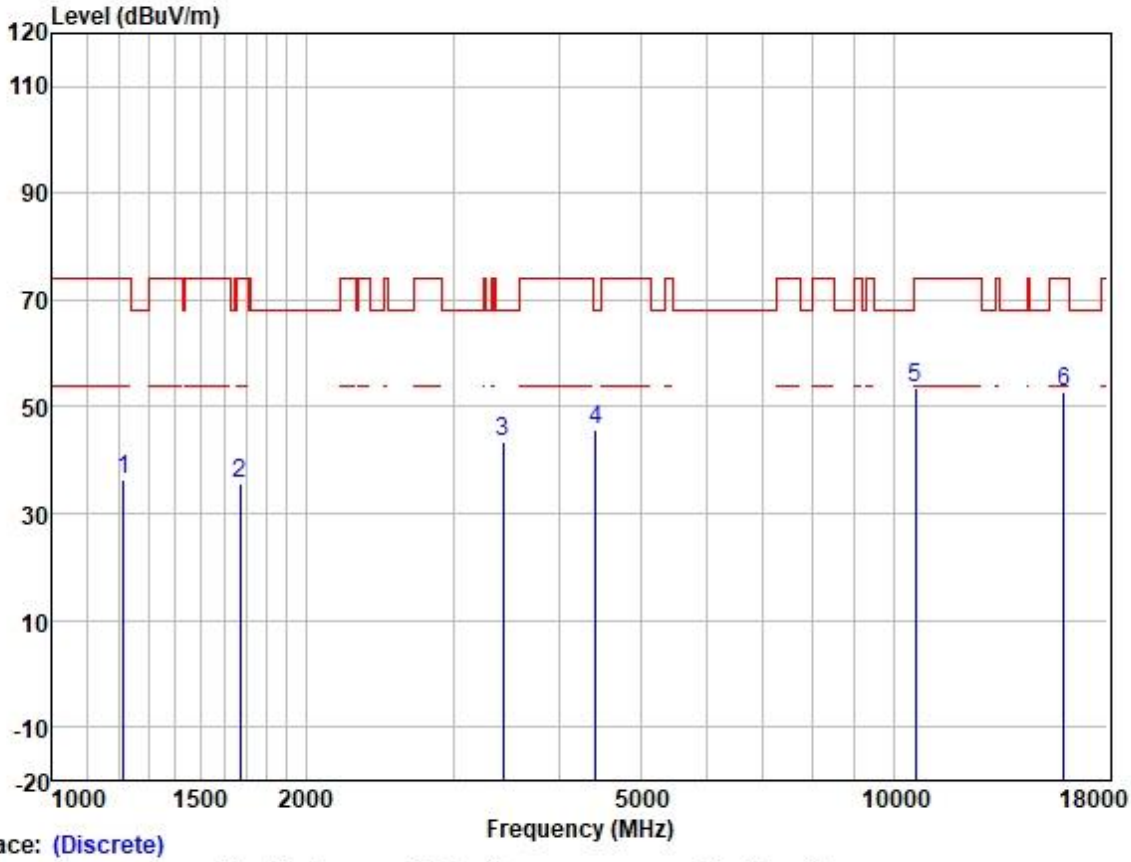
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	47.56	24.77	2.32	38.37	36.28	74.00	-37.72	HORIZONTAL	Peak
2	1672.779	44.98	25.67	2.80	37.91	35.54	74.00	-38.46	HORIZONTAL	Peak
3	3435.590	47.42	28.87	4.16	36.97	43.48	68.20	-24.72	HORIZONTAL	Peak
4	4430.628	46.83	30.72	4.78	36.81	45.52	68.20	-22.68	HORIZONTAL	Peak
5	10620.000	43.96	39.59	7.46	37.34	53.67	74.00	-20.33	HORIZONTAL	Peak
6	15930.000	40.06	38.37	9.85	35.40	52.88	74.00	-21.12	HORIZONTAL	Peak

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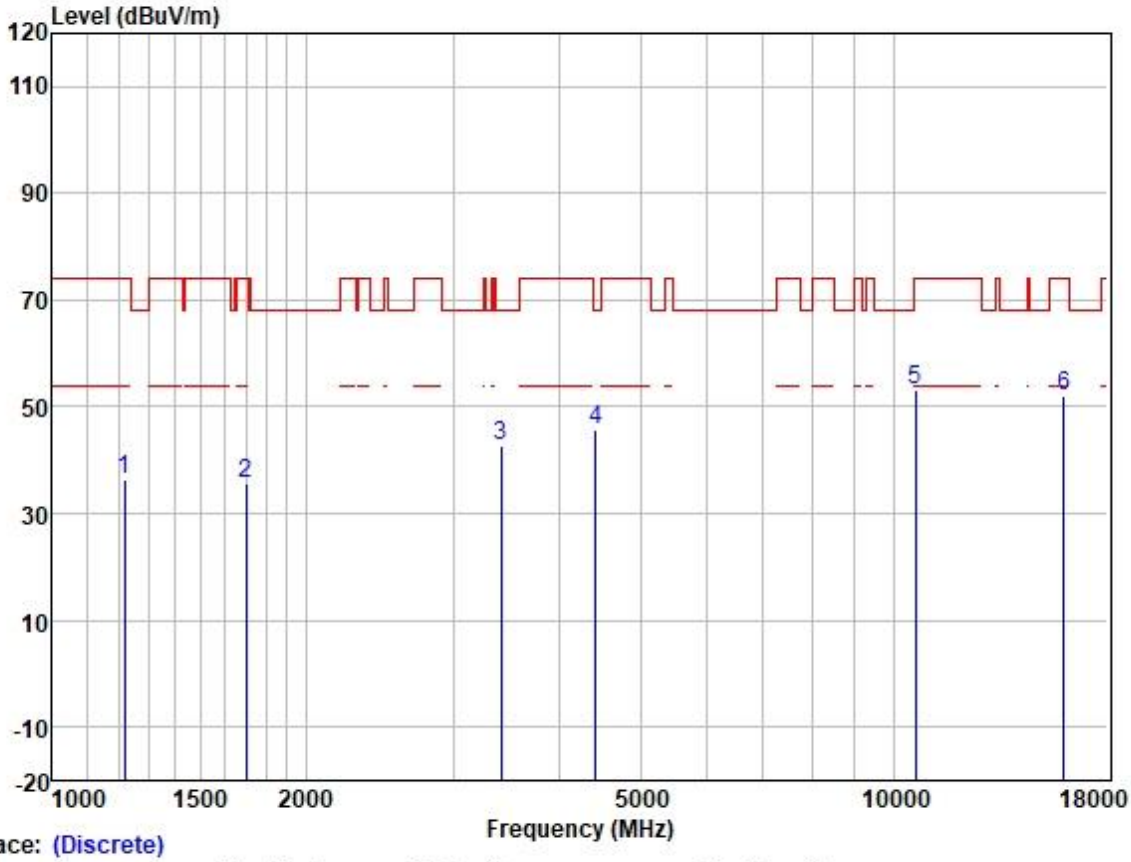
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1217.190	47.78	24.79	2.32	38.37	36.52	74.00	-37.48	VERTICAL	Peak
2	1697.129	45.04	25.71	2.80	37.89	35.66	74.00	-38.34	VERTICAL	Peak
3	3415.787	46.85	28.85	4.13	36.97	42.86	68.20	-25.34	VERTICAL	Peak
4	4430.628	46.97	30.72	4.78	36.81	45.66	68.20	-22.54	VERTICAL	Peak
5	10620.000	43.55	39.59	7.46	37.34	53.26	74.00	-20.74	VERTICAL	Peak
6	15930.000	39.38	38.37	9.85	35.40	52.20	74.00	-21.80	VERTICAL	Peak

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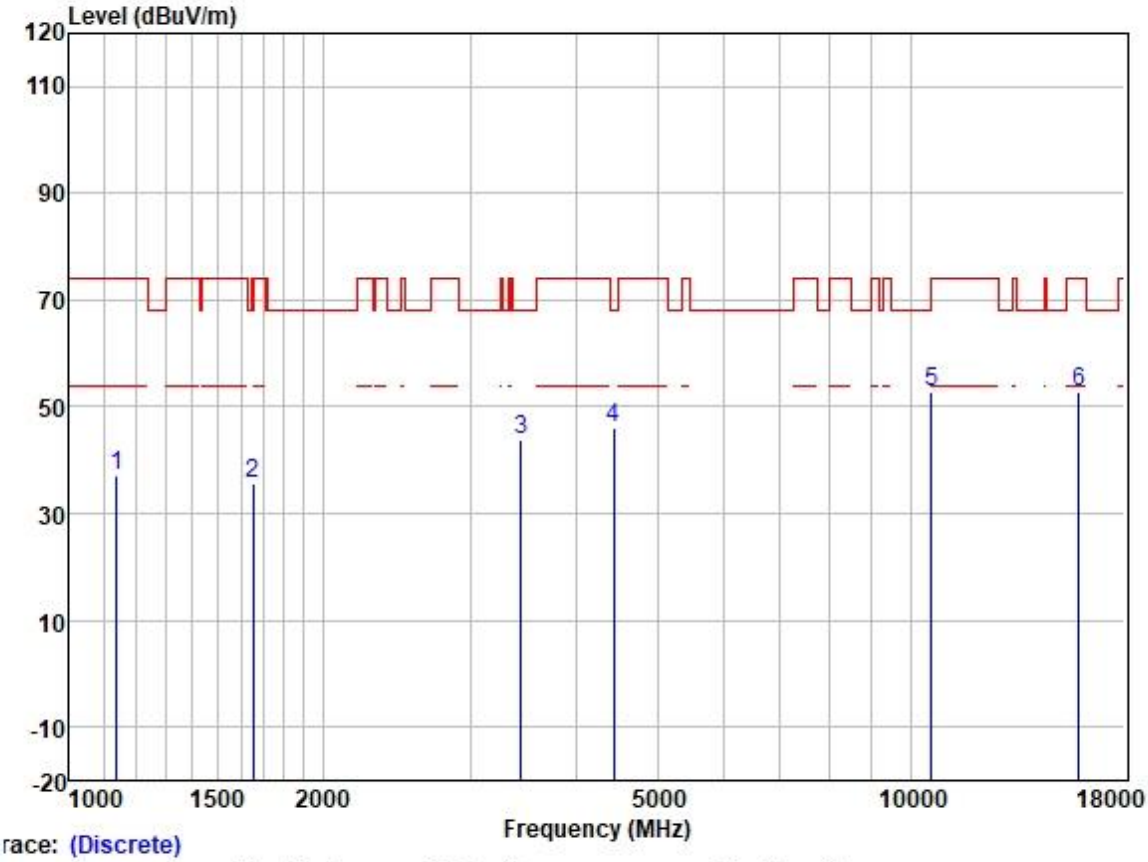
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	48.99	24.46	2.27	38.42	37.30	74.00	-36.70	HORIZONTAL	Peak
2	1653.550	45.20	25.64	2.80	37.93	35.71	68.20	-32.49	HORIZONTAL	Peak
3	3445.535	47.69	28.87	4.18	36.96	43.78	68.20	-24.42	HORIZONTAL	Peak
4	4443.453	47.15	30.73	4.83	36.81	45.90	68.20	-22.30	HORIZONTAL	Peak
5	10580.000	43.10	39.56	7.45	37.34	52.77	68.20	-15.43	HORIZONTAL	Peak
6	15870.000	39.81	38.52	9.86	35.40	52.79	74.00	-21.21	HORIZONTAL	Peak

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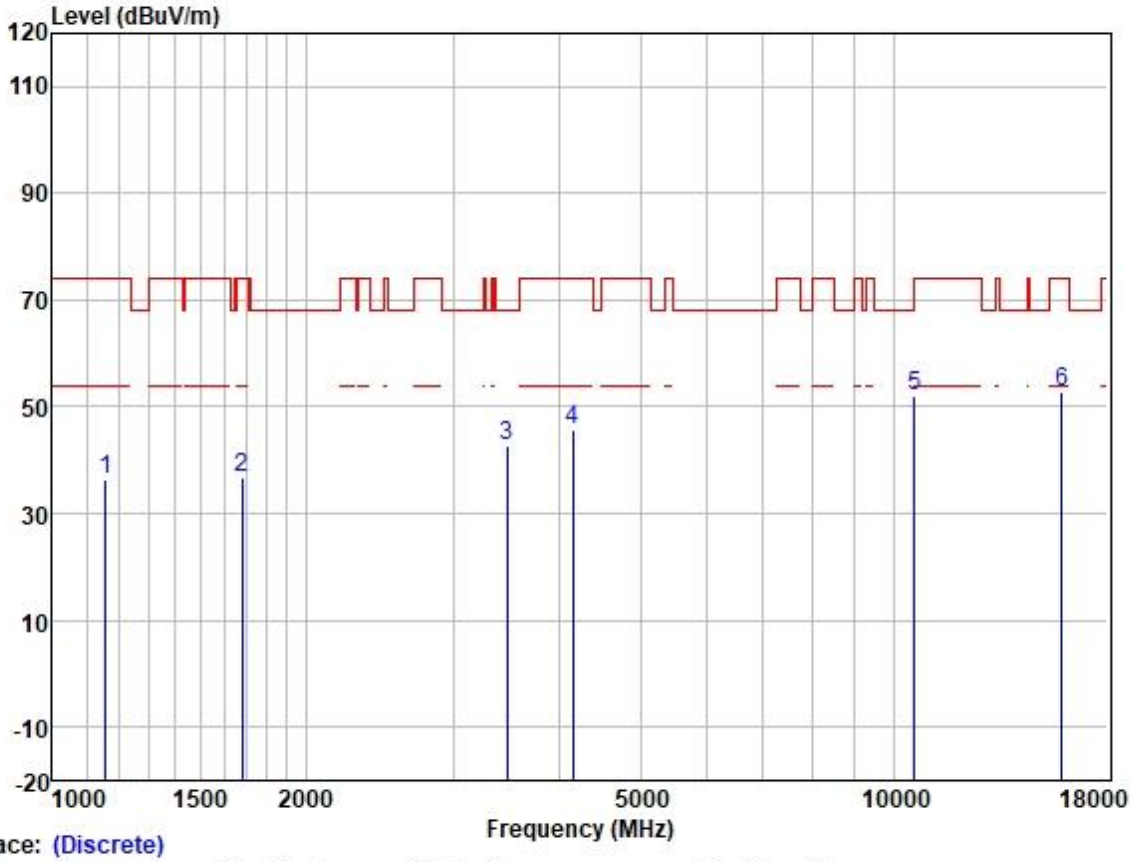
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1155.483	47.95	24.51	2.38	38.42	36.42	74.00	-37.58	VERTICAL	Peak
2	1682.477	46.03	25.68	2.80	37.91	36.60	74.00	-37.40	VERTICAL	Peak
3	3475.541	46.62	28.89	4.25	36.95	42.81	68.20	-25.39	VERTICAL	Peak
4	4157.664	47.79	30.06	4.60	36.80	45.65	74.00	-28.35	VERTICAL	Peak
5	10580.000	42.54	39.56	7.45	37.34	52.21	68.20	-15.99	VERTICAL	Peak
6	15870.000	39.76	38.52	9.86	35.40	52.74	74.00	-21.26	VERTICAL	Peak

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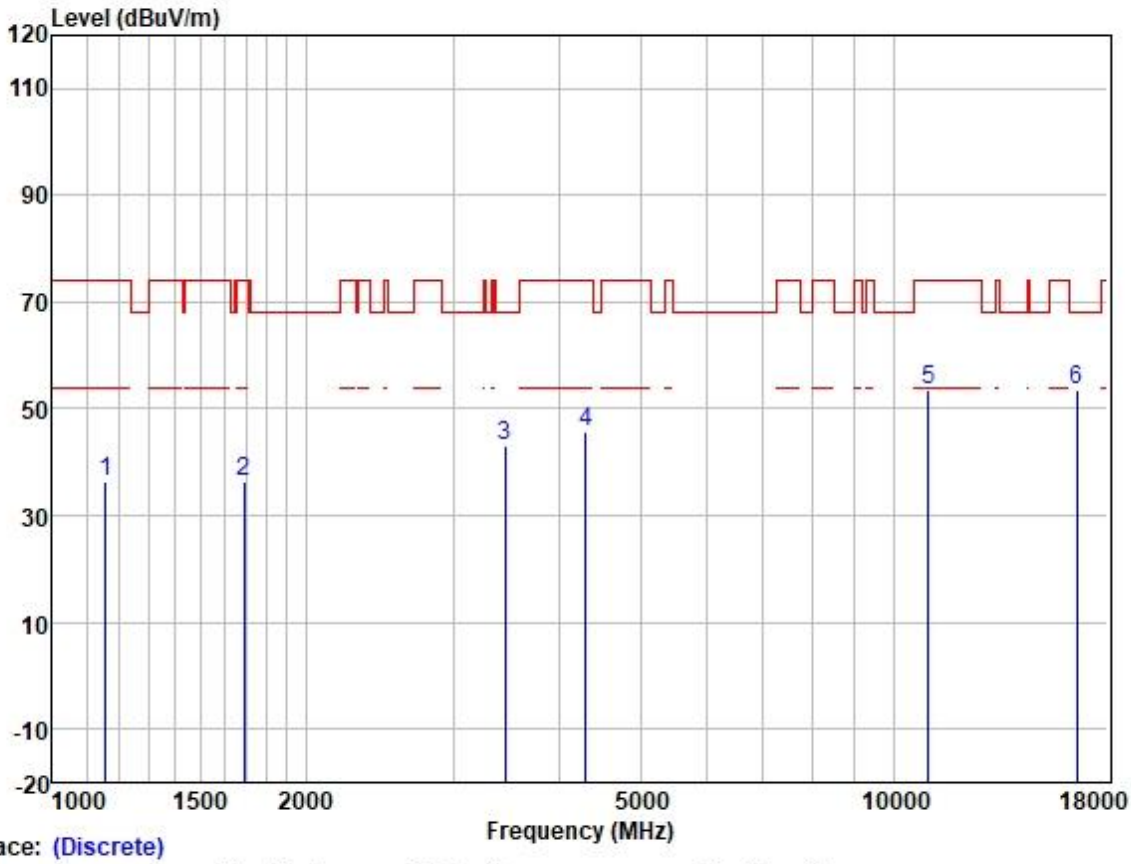
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1155.483	47.77	24.51	2.38	38.42	36.24	74.00	-37.76	HORIZONTAL	Peak
2	1692.231	45.85	25.70	2.80	37.89	36.46	74.00	-37.54	HORIZONTAL	Peak
3	3455.508	47.10	28.88	4.20	36.96	43.22	68.20	-24.98	HORIZONTAL	Peak
4	4304.400	47.42	30.48	4.65	36.81	45.74	74.00	-28.26	HORIZONTAL	Peak
5	11000.000	43.17	40.10	7.71	37.25	53.73	74.00	-20.27	HORIZONTAL	Peak
6	16500.000	39.71	39.60	9.44	35.38	53.37	68.20	-14.83	HORIZONTAL	Peak

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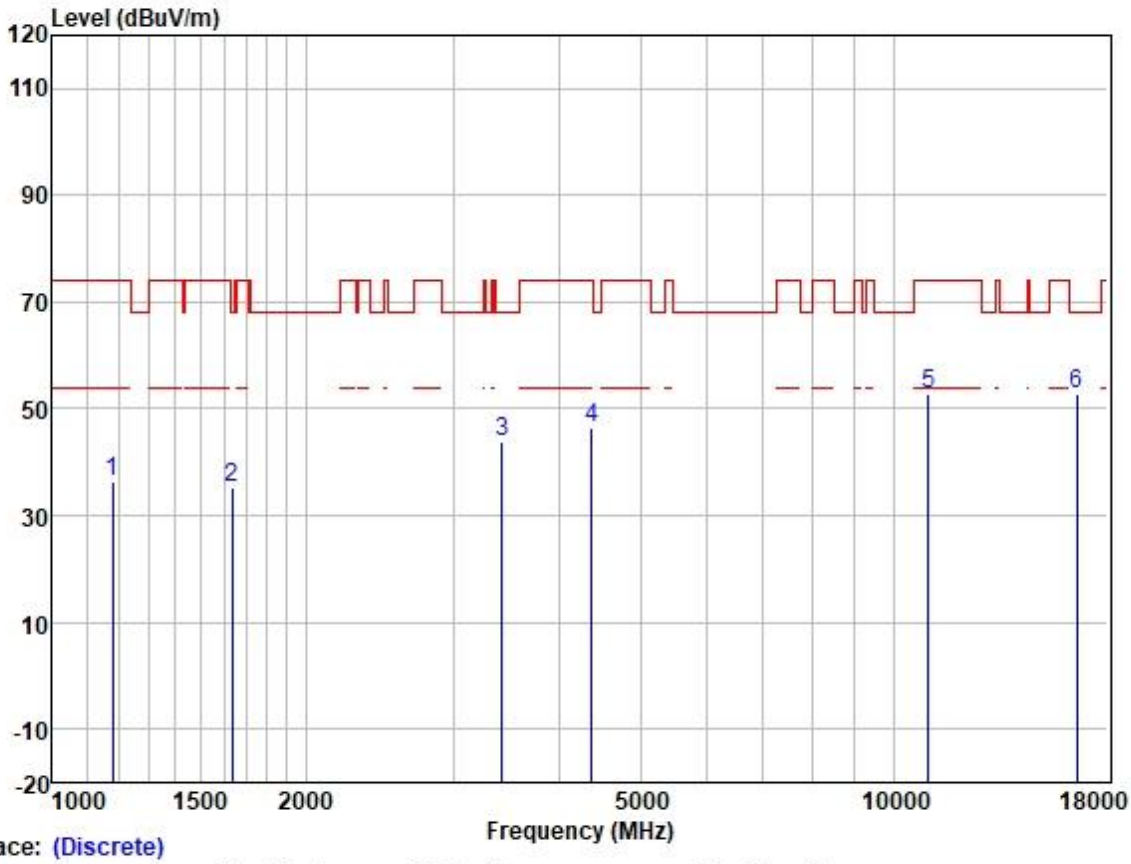
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1179.100	47.62	24.59	2.38	38.40	36.19	74.00	-37.81	VERTICAL	Peak
2	1634.543	44.79	25.62	2.80	37.95	35.26	68.20	-32.94	VERTICAL	Peak
3	3425.675	47.66	28.86	4.15	36.97	43.70	68.20	-24.50	VERTICAL	Peak
4	4379.699	47.82	30.64	4.69	36.81	46.34	74.00	-27.66	VERTICAL	Peak
5	11000.000	42.08	40.10	7.71	37.25	52.64	74.00	-21.36	VERTICAL	Peak
6	16500.000	39.17	39.60	9.44	35.38	52.83	68.20	-15.37	VERTICAL	Peak

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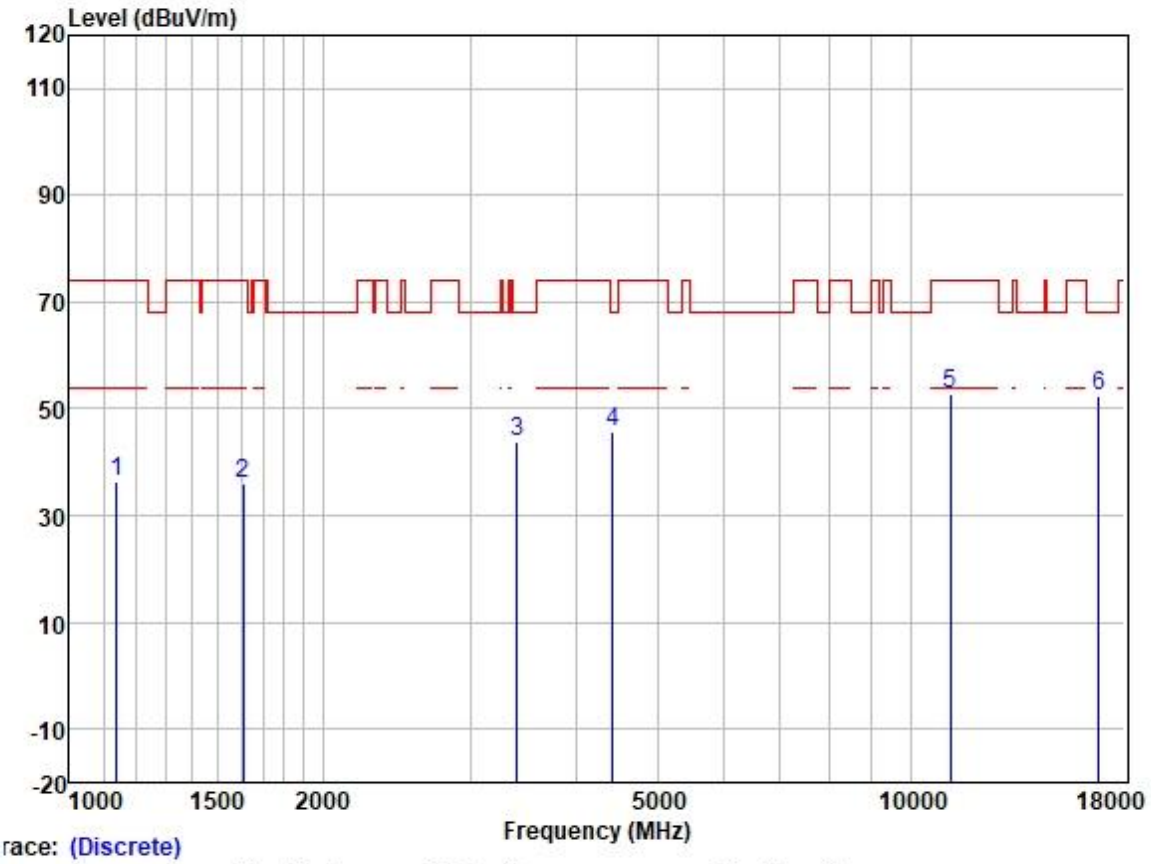
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	48.07	24.46	2.27	38.42	36.38	74.00	-37.62	HORIZONTAL	Peak
2	1611.091	45.51	25.59	2.80	37.98	35.92	74.00	-38.08	HORIZONTAL	Peak
3	3405.929	47.69	28.85	4.11	36.98	43.67	68.20	-24.53	HORIZONTAL	Peak
4	4430.628	46.93	30.72	4.78	36.81	45.62	68.20	-22.58	HORIZONTAL	Peak
5	11160.000	42.17	40.04	7.90	37.21	52.90	74.00	-21.10	HORIZONTAL	Peak
6	16740.000	37.83	40.49	9.41	35.37	52.36	68.20	-15.84	HORIZONTAL	Peak

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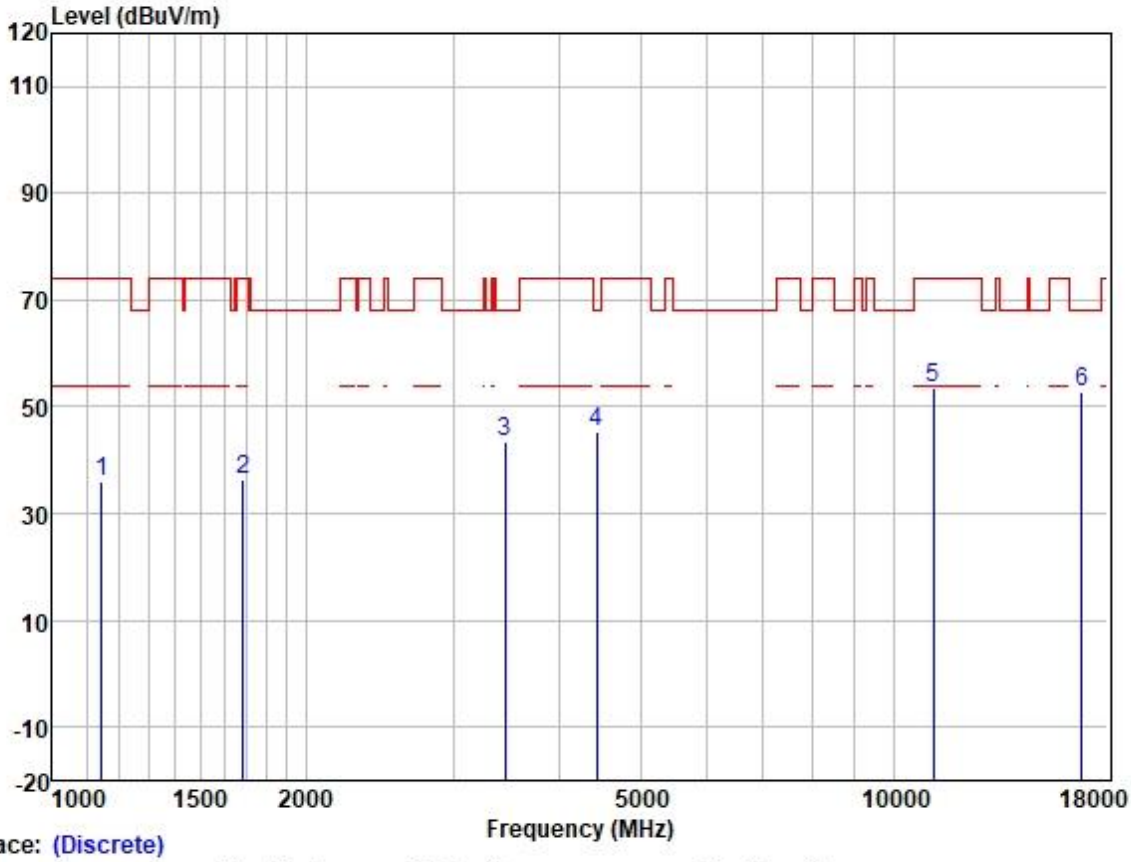
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1145.507	47.78	24.48	2.32	38.42	36.16	74.00	-37.84	VERTICAL	Peak
2	1687.347	45.71	25.69	2.80	37.91	36.29	74.00	-37.71	VERTICAL	Peak
3	3455.508	47.21	28.88	4.20	36.96	43.33	68.20	-24.87	VERTICAL	Peak
4	4443.453	46.64	30.73	4.83	36.81	45.39	68.20	-22.81	VERTICAL	Peak
5	11160.000	42.66	40.04	7.90	37.21	53.39	74.00	-20.61	VERTICAL	Peak
6	16740.000	38.29	40.49	9.41	35.37	52.82	68.20	-15.38	VERTICAL	Peak

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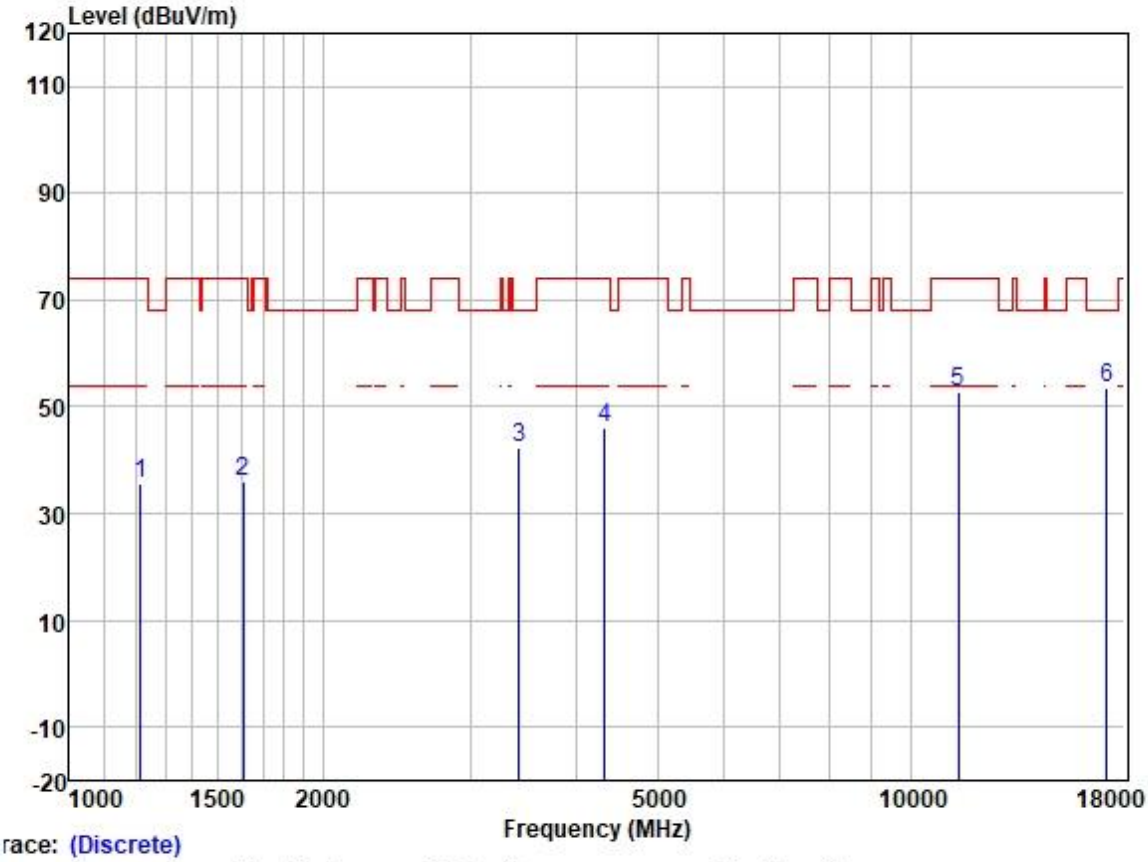
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	46.87	24.77	2.32	38.37	35.59	74.00	-38.41	HORIZONTAL	Peak
2	1611.091	45.63	25.59	2.80	37.98	36.04	74.00	-37.96	HORIZONTAL	Peak
3	3425.675	46.29	28.86	4.15	36.97	42.33	68.20	-25.87	HORIZONTAL	Peak
4	4329.354	47.77	30.54	4.67	36.81	46.17	74.00	-27.83	HORIZONTAL	Peak
5	11400.000	41.71	39.94	8.28	37.16	52.77	74.00	-21.23	HORIZONTAL	Peak
6	17100.000	36.79	42.32	9.63	35.34	53.40	68.20	-14.80	HORIZONTAL	Peak

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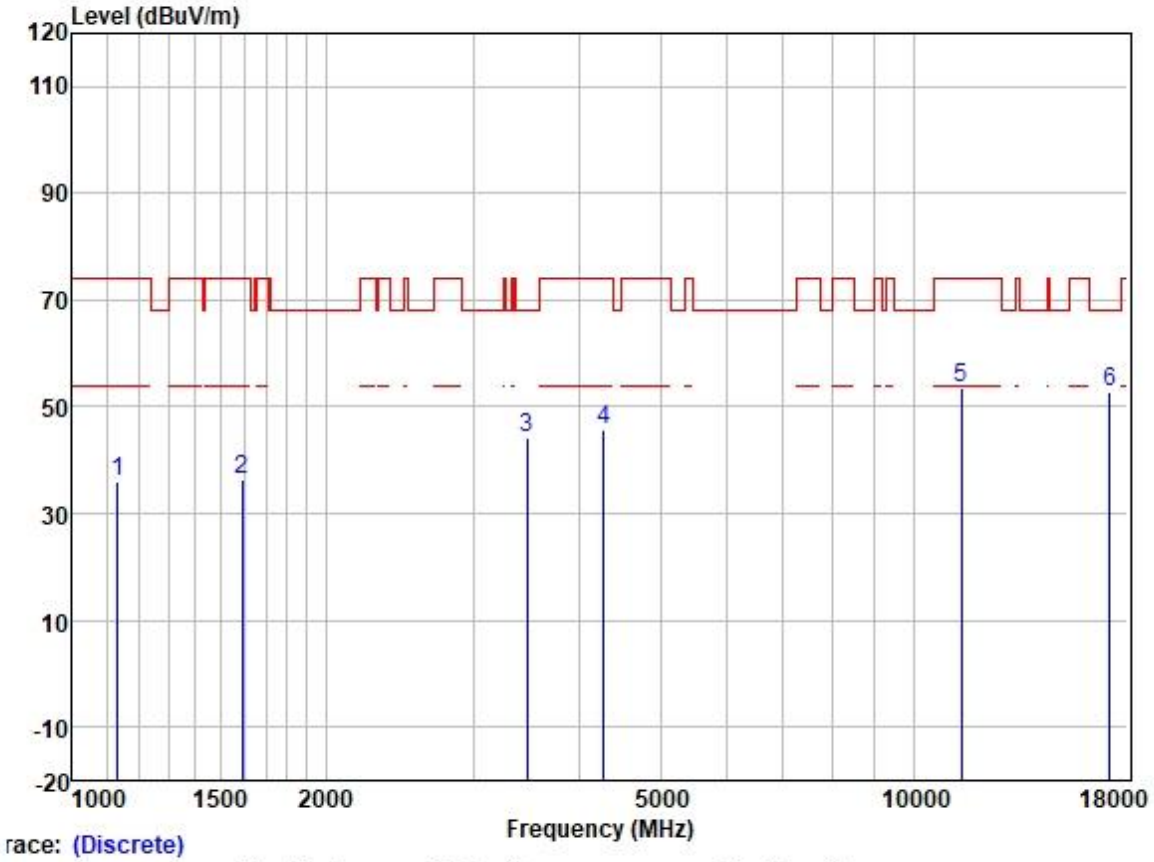
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	47.95	24.44	2.22	38.43	36.18	74.00	-37.82	VERTICAL	Peak
2	1592.571	45.85	25.57	2.80	37.98	36.24	74.00	-37.76	VERTICAL	Peak
3	3475.541	47.97	28.89	4.25	36.95	44.16	68.20	-24.04	VERTICAL	Peak
4	4279.589	47.36	30.42	4.63	36.81	45.60	74.00	-28.40	VERTICAL	Peak
5	11400.000	42.41	39.94	8.28	37.16	53.47	74.00	-20.53	VERTICAL	Peak
6	17100.000	36.03	42.32	9.63	35.34	52.64	68.20	-15.56	VERTICAL	Peak

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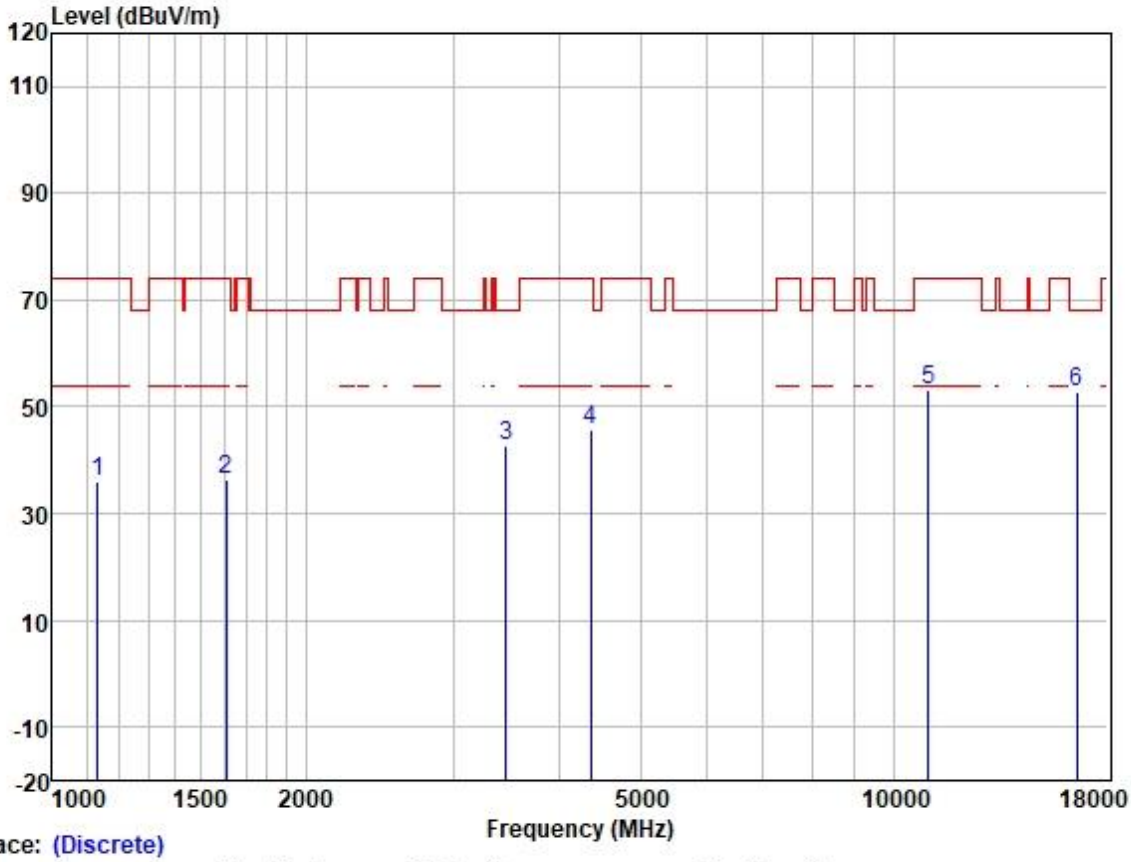
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	47.61	24.44	2.22	38.43	35.84	74.00	-38.16	HORIZONTAL	Peak
2	1611.091	45.93	25.59	2.80	37.98	36.34	74.00	-37.66	HORIZONTAL	Peak
3	3465.510	46.56	28.88	4.22	36.95	42.71	68.20	-25.49	HORIZONTAL	Peak
4	4367.058	47.04	30.62	4.68	36.81	45.53	74.00	-28.47	HORIZONTAL	Peak
5	11000.000	42.64	40.10	7.71	37.25	53.20	74.00	-20.80	HORIZONTAL	Peak
6	16500.000	39.29	39.60	9.44	35.38	52.95	68.20	-15.25	HORIZONTAL	Peak

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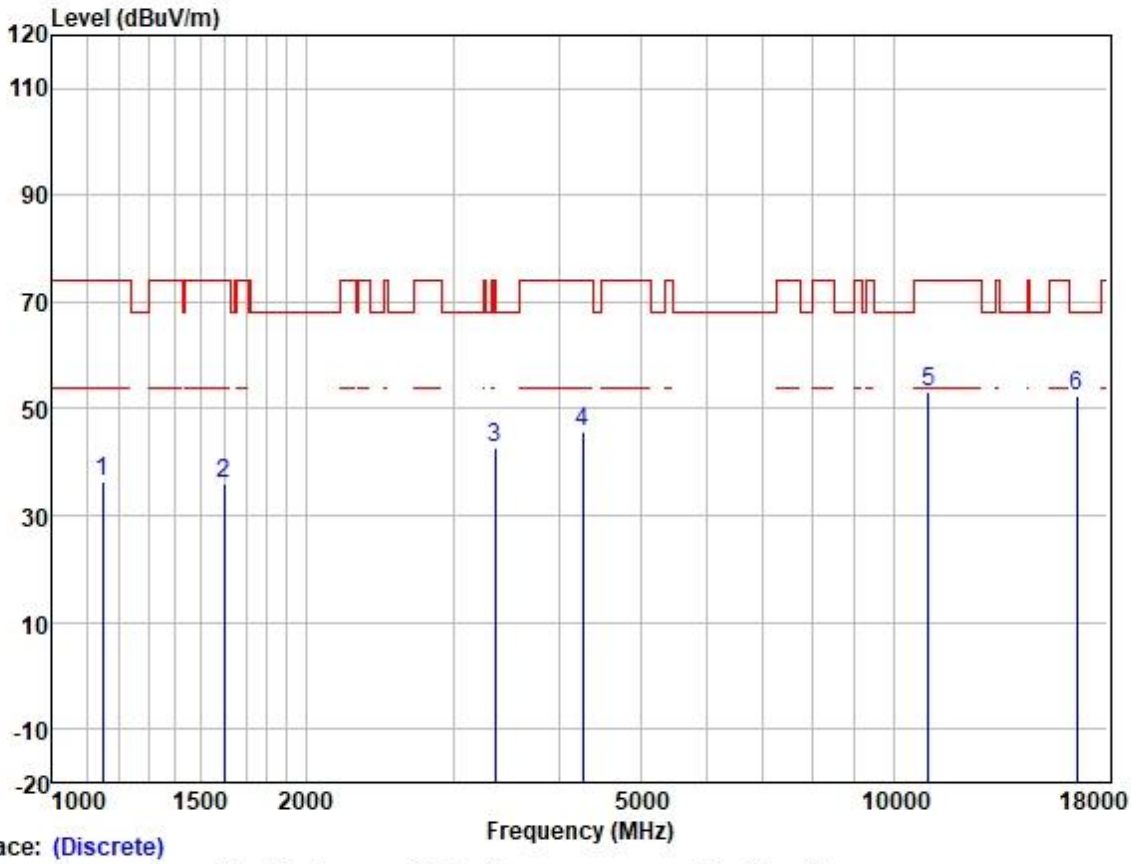
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1148.823	48.03	24.49	2.34	38.42	36.44	74.00	-37.56	VERTICAL	Peak
2	1601.804	45.62	25.58	2.80	37.98	36.02	74.00	-37.98	VERTICAL	Peak
3	3357.061	46.81	28.81	4.09	37.01	42.70	74.00	-31.30	VERTICAL	Peak
4	4267.237	47.44	30.38	4.63	36.81	45.64	74.00	-28.36	VERTICAL	Peak
5	11000.000	42.72	40.10	7.71	37.25	53.28	74.00	-20.72	VERTICAL	Peak
6	16500.000	38.76	39.60	9.44	35.38	52.42	68.20	-15.78	VERTICAL	Peak

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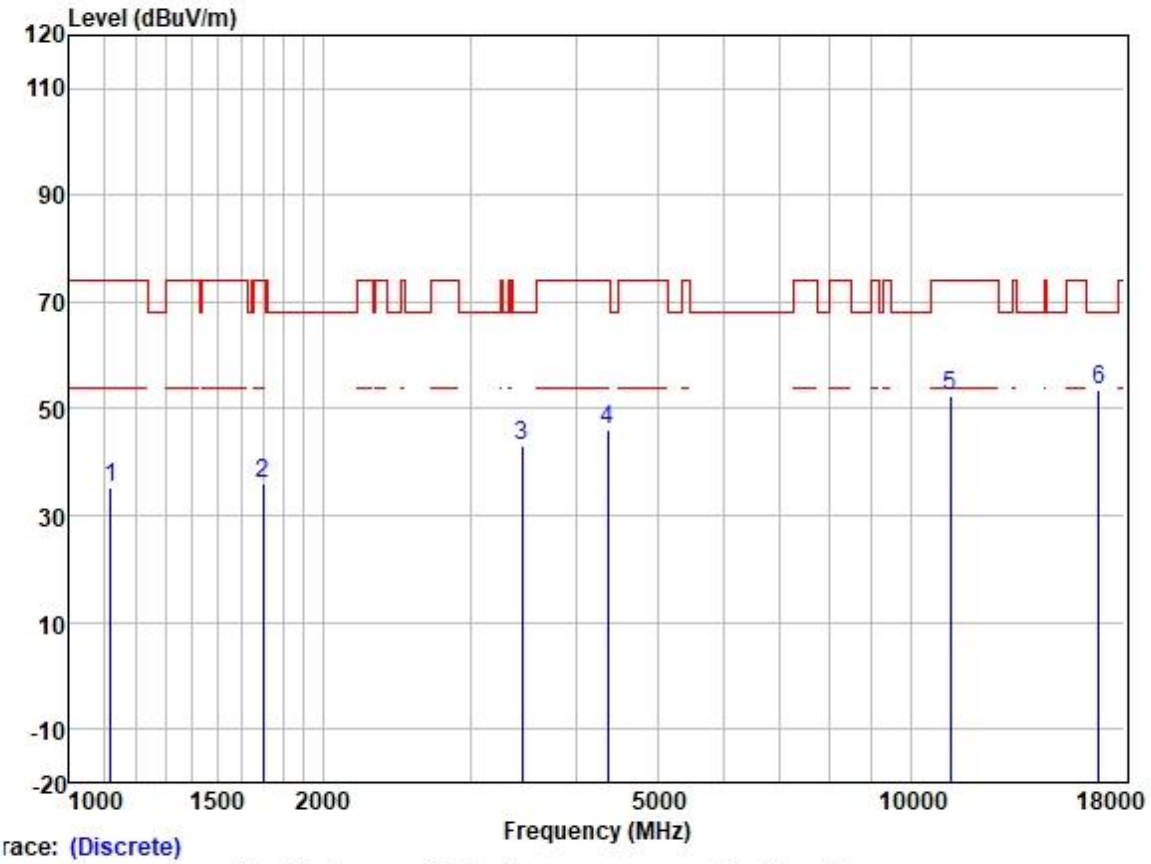
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1119.323	47.00	24.41	2.24	38.43	35.22	74.00	-38.78	HORIZONTAL	Peak
2	1697.129	45.55	25.71	2.80	37.89	36.17	74.00	-37.83	HORIZONTAL	Peak
3	3455.508	46.85	28.88	4.20	36.96	42.97	68.20	-25.23	HORIZONTAL	Peak
4	4367.058	47.49	30.62	4.68	36.81	45.98	74.00	-28.02	HORIZONTAL	Peak
5	11160.000	41.80	40.04	7.90	37.21	52.53	74.00	-21.47	HORIZONTAL	Peak
6	16740.000	39.20	40.49	9.41	35.37	53.73	68.20	-14.47	HORIZONTAL	Peak

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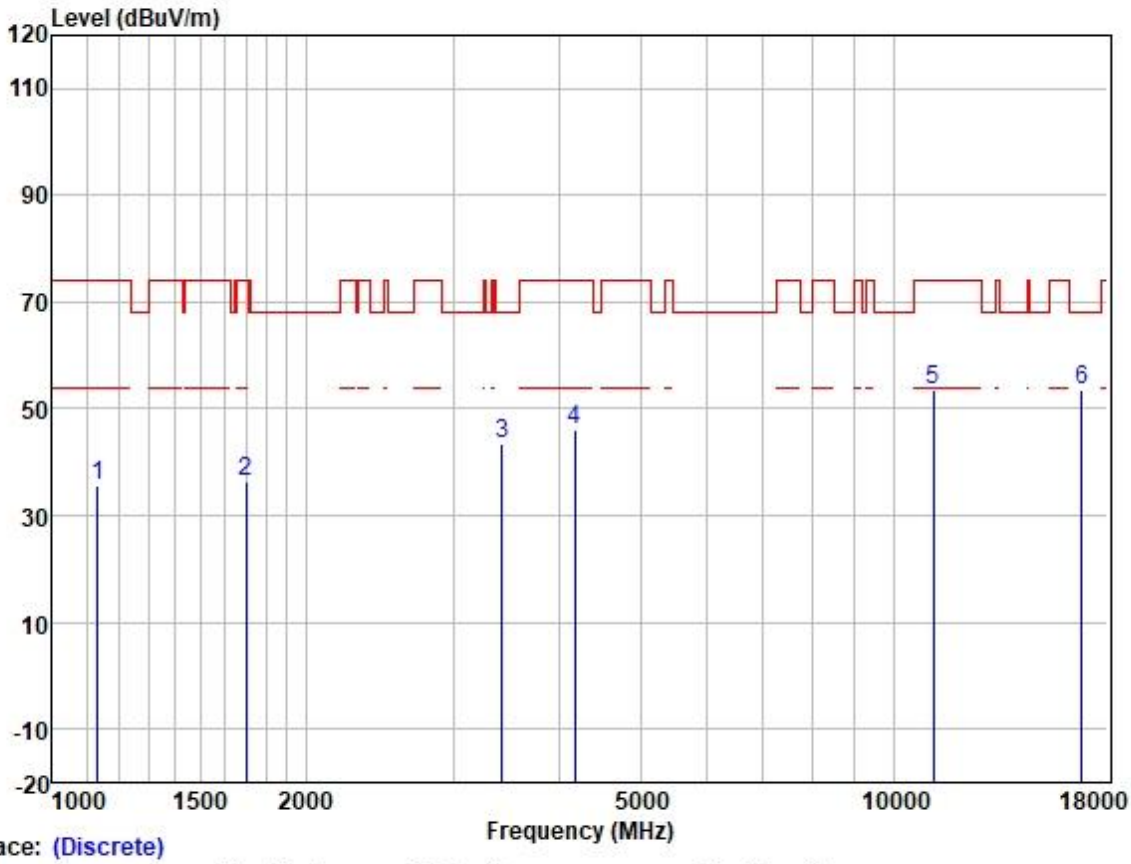
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	47.53	24.44	2.22	38.43	35.76	74.00	-38.24	VERTICAL	Peak
2	1697.129	45.62	25.71	2.80	37.89	36.24	74.00	-37.76	VERTICAL	Peak
3	3425.675	47.36	28.86	4.15	36.97	43.40	68.20	-24.80	VERTICAL	Peak
4	4181.768	48.31	30.12	4.60	36.80	46.23	74.00	-27.77	VERTICAL	Peak
5	11160.000	42.65	40.04	7.90	37.21	53.38	74.00	-20.62	VERTICAL	Peak
6	16740.000	39.11	40.49	9.41	35.37	53.64	68.20	-14.56	VERTICAL	Peak

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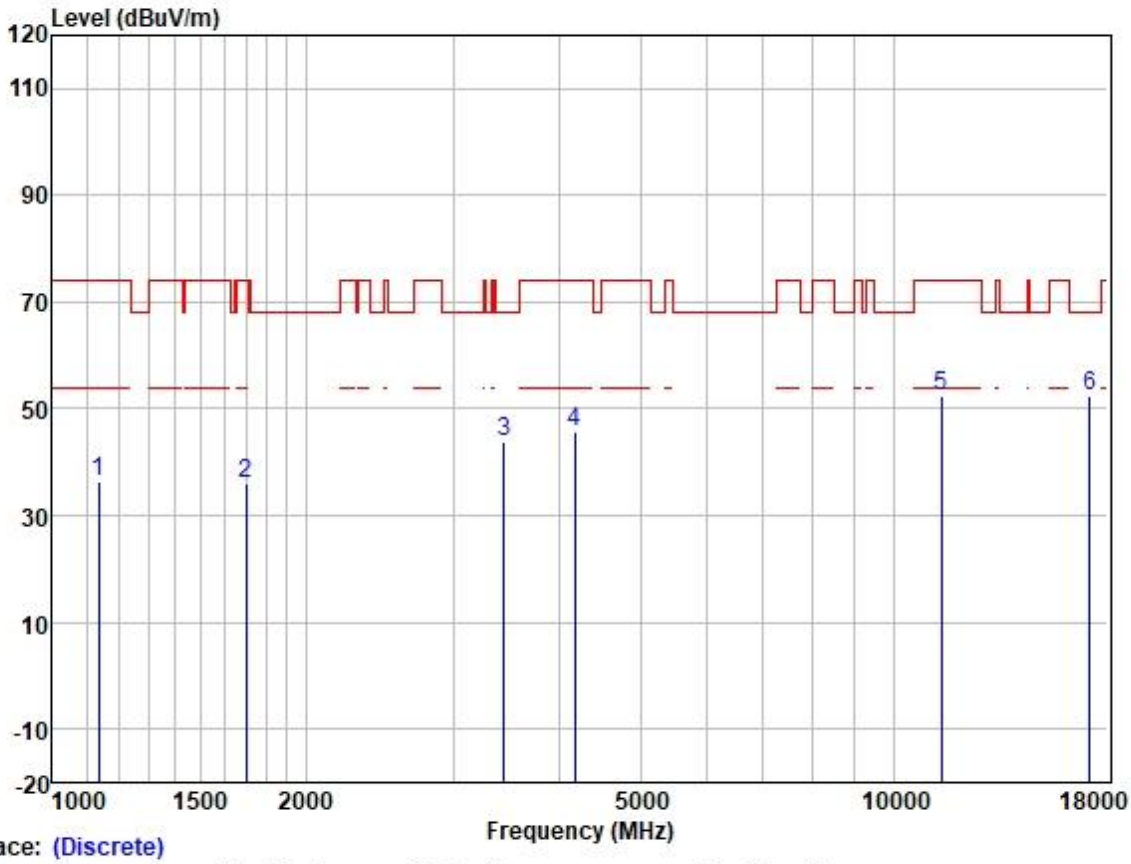
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1135.617	48.24	24.45	2.25	38.43	36.51	74.00	-37.49	HORIZONTAL	Peak
2	1697.129	45.45	25.71	2.80	37.89	36.07	74.00	-37.93	HORIZONTAL	Peak
3	3445.535	47.70	28.87	4.18	36.96	43.79	68.20	-24.41	HORIZONTAL	Peak
4	4181.768	47.97	30.12	4.60	36.80	45.89	74.00	-28.11	HORIZONTAL	Peak
5	11400.000	41.43	39.94	8.28	37.16	52.49	74.00	-21.51	HORIZONTAL	Peak
6	17100.000	35.83	42.32	9.63	35.34	52.44	68.20	-15.76	HORIZONTAL	Peak

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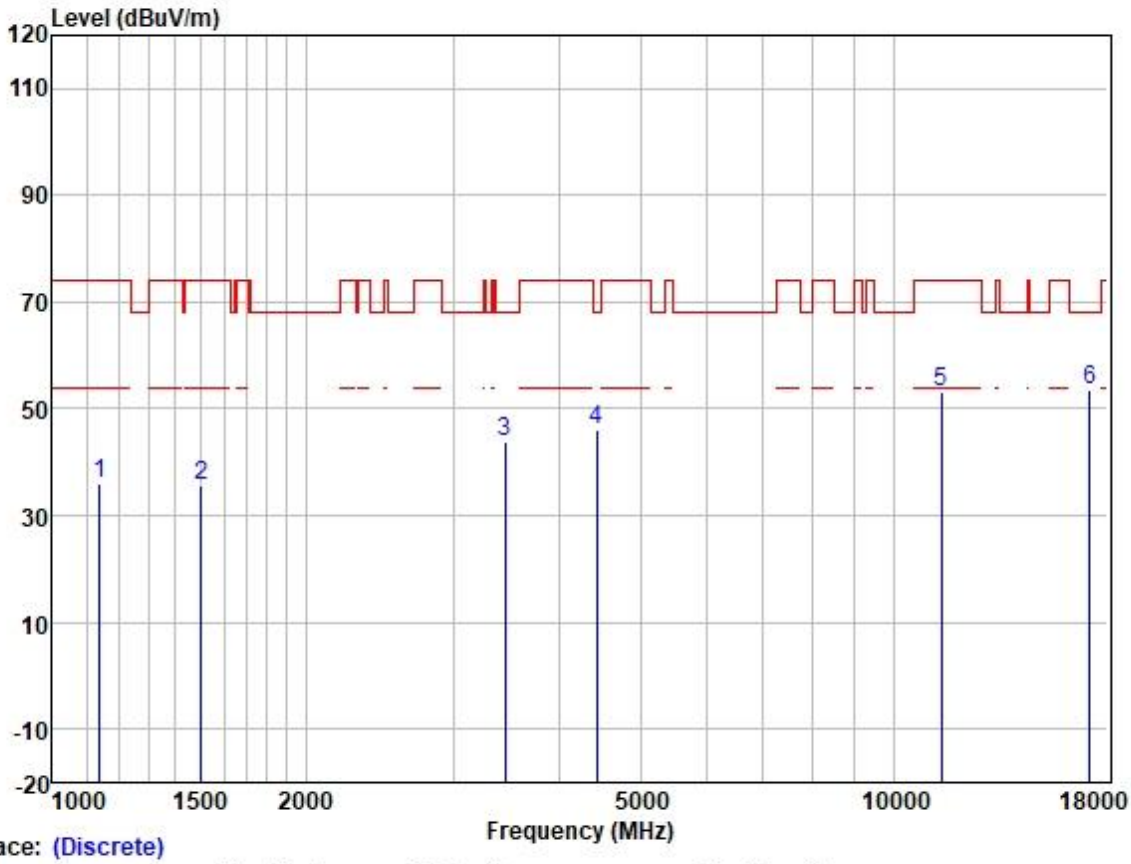
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.85	24.46	2.27	38.42	36.16	74.00	-37.84	VERTICAL	Peak
2	1503.119	45.52	25.50	2.80	38.10	35.72	74.00	-38.28	VERTICAL	Peak
3	3455.508	47.82	28.88	4.20	36.96	43.94	68.20	-24.26	VERTICAL	Peak
4	4443.453	47.34	30.73	4.83	36.81	46.09	68.20	-22.11	VERTICAL	Peak
5	11400.000	42.04	39.94	8.28	37.16	53.10	74.00	-20.90	VERTICAL	Peak
6	17100.000	37.04	42.32	9.63	35.34	53.65	68.20	-14.55	VERTICAL	Peak

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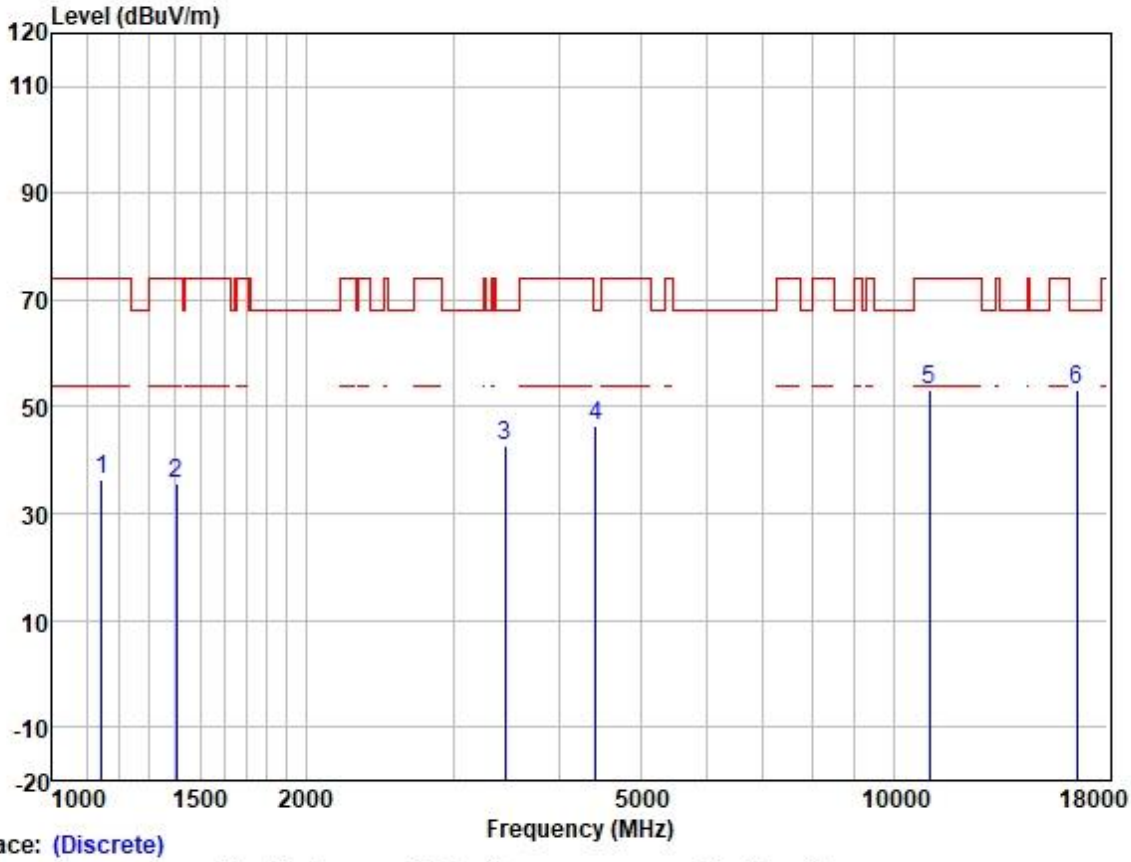
Member of the SGS Group (SGS SA)

Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1145.507	47.95	24.48	2.32	38.42	36.33	74.00	-37.67	HORIZONTAL	Peak
2	1402.384	45.97	25.39	2.61	38.22	35.75	74.00	-38.25	HORIZONTAL	Peak
3	3455.508	46.71	28.88	4.20	36.96	42.83	68.20	-25.37	HORIZONTAL	Peak
4	4430.628	47.80	30.72	4.78	36.81	46.49	68.20	-21.71	HORIZONTAL	Peak
5	11020.000	42.46	40.10	7.71	37.24	53.03	74.00	-20.97	HORIZONTAL	Peak
6	16530.000	39.22	39.76	9.44	35.38	53.04	68.20	-15.16	HORIZONTAL	Peak

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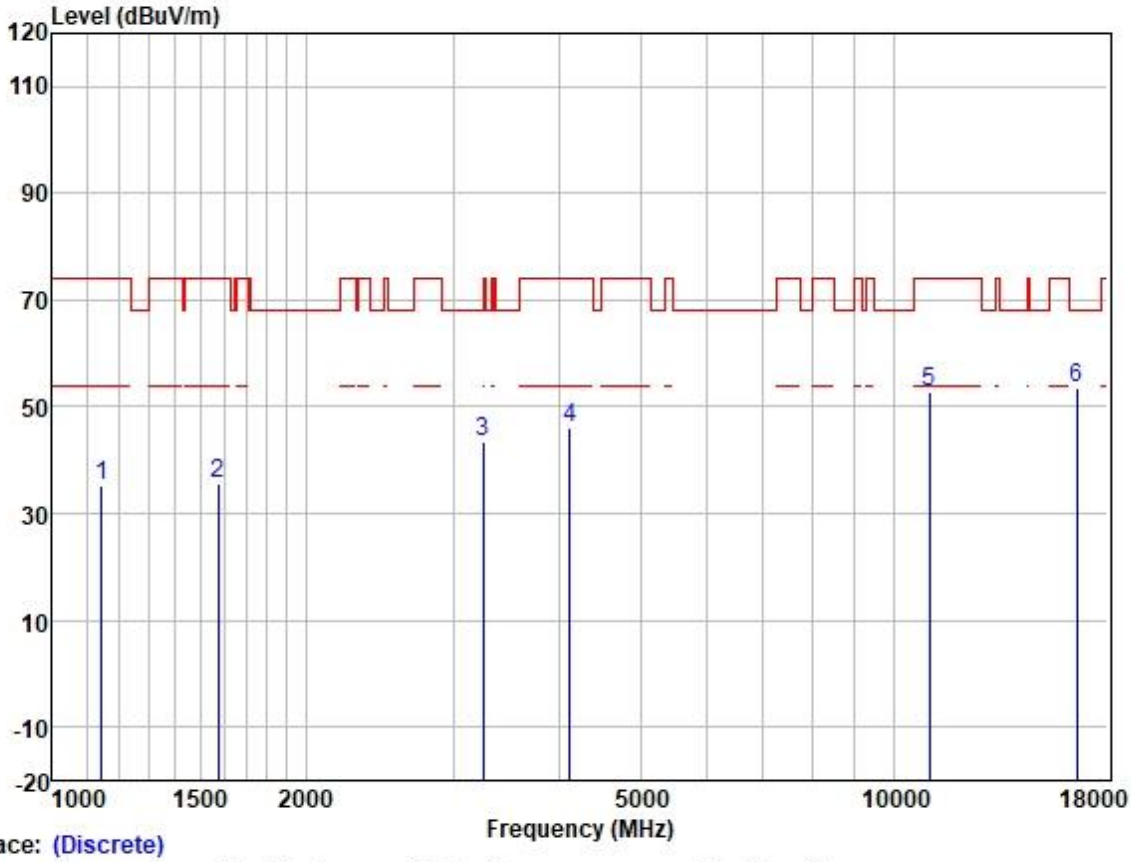
Member of the SGS Group (SGS SA)

Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1145.507	46.88	24.48	2.32	38.42	35.26	74.00	-38.74	VERTICAL	Peak
2	1574.265	45.27	25.56	2.80	38.00	35.63	74.00	-38.37	VERTICAL	Peak
3	3252.005	47.84	28.68	4.03	37.06	43.49	68.20	-24.71	VERTICAL	Peak
4	4121.768	48.29	29.98	4.60	36.80	46.07	74.00	-27.93	VERTICAL	Peak
5	11020.000	42.20	40.10	7.71	37.24	52.77	74.00	-21.23	VERTICAL	Peak
6	16530.000	39.72	39.76	9.44	35.38	53.54	68.20	-14.66	VERTICAL	Peak

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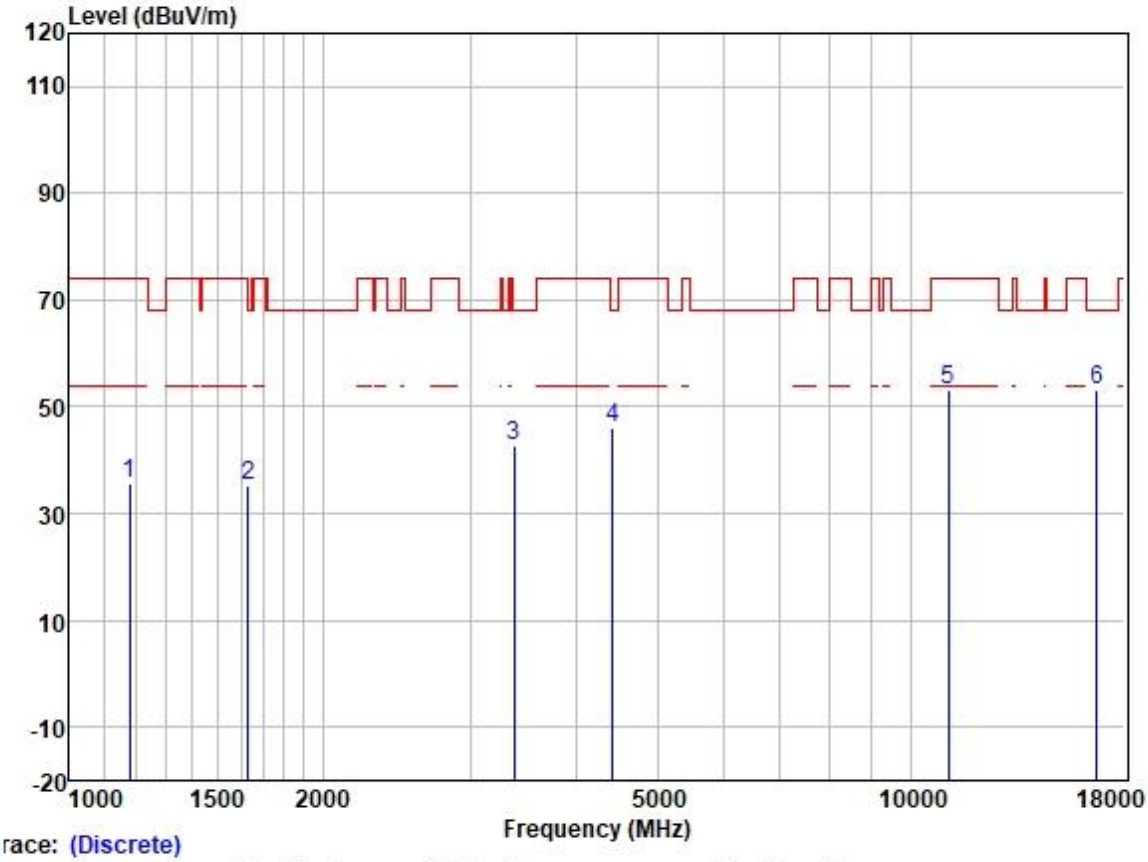
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1179.100	47.22	24.59	2.38	38.40	35.79	74.00	-38.21	HORIZONTAL	Peak
2	1629.825	44.93	25.61	2.80	37.95	35.39	68.20	-32.81	HORIZONTAL	Peak
3	3376.523	46.83	28.83	4.09	36.99	42.76	68.20	-25.44	HORIZONTAL	Peak
4	4430.628	47.47	30.72	4.78	36.81	46.16	68.20	-22.04	HORIZONTAL	Peak
5	11100.000	42.44	40.07	7.82	37.22	53.11	74.00	-20.89	HORIZONTAL	Peak
6	16650.000	39.09	40.10	9.43	35.38	53.24	68.20	-14.96	HORIZONTAL	Peak

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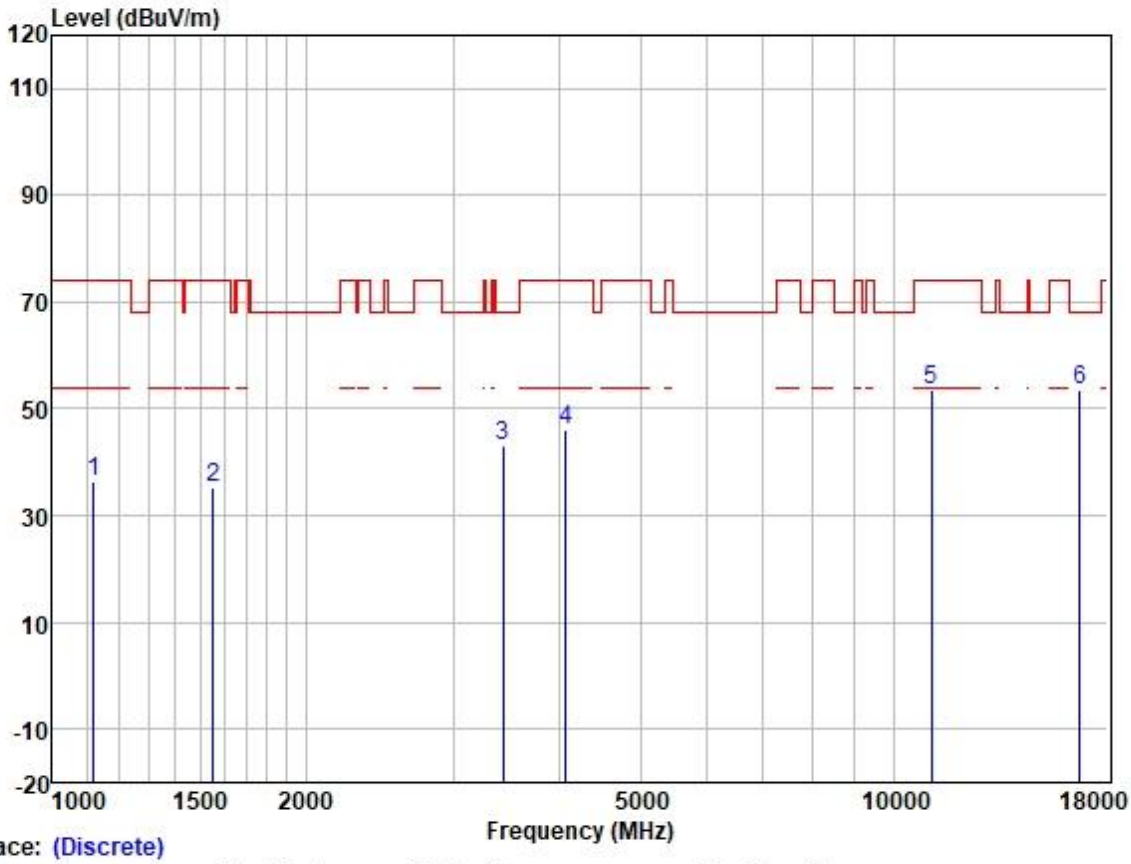
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1119.323	48.02	24.41	2.24	38.43	36.24	74.00	-37.76	VERTICAL	Peak
2	1551.677	44.77	25.54	2.80	38.03	35.08	74.00	-38.92	VERTICAL	Peak
3	3435.590	46.89	28.87	4.16	36.97	42.95	68.20	-25.25	VERTICAL	Peak
4	4074.388	48.27	29.90	4.60	36.80	45.97	74.00	-28.03	VERTICAL	Peak
5	11100.000	43.06	40.07	7.82	37.22	53.73	74.00	-20.27	VERTICAL	Peak
6	16650.000	39.31	40.10	9.43	35.38	53.46	68.20	-14.74	VERTICAL	Peak

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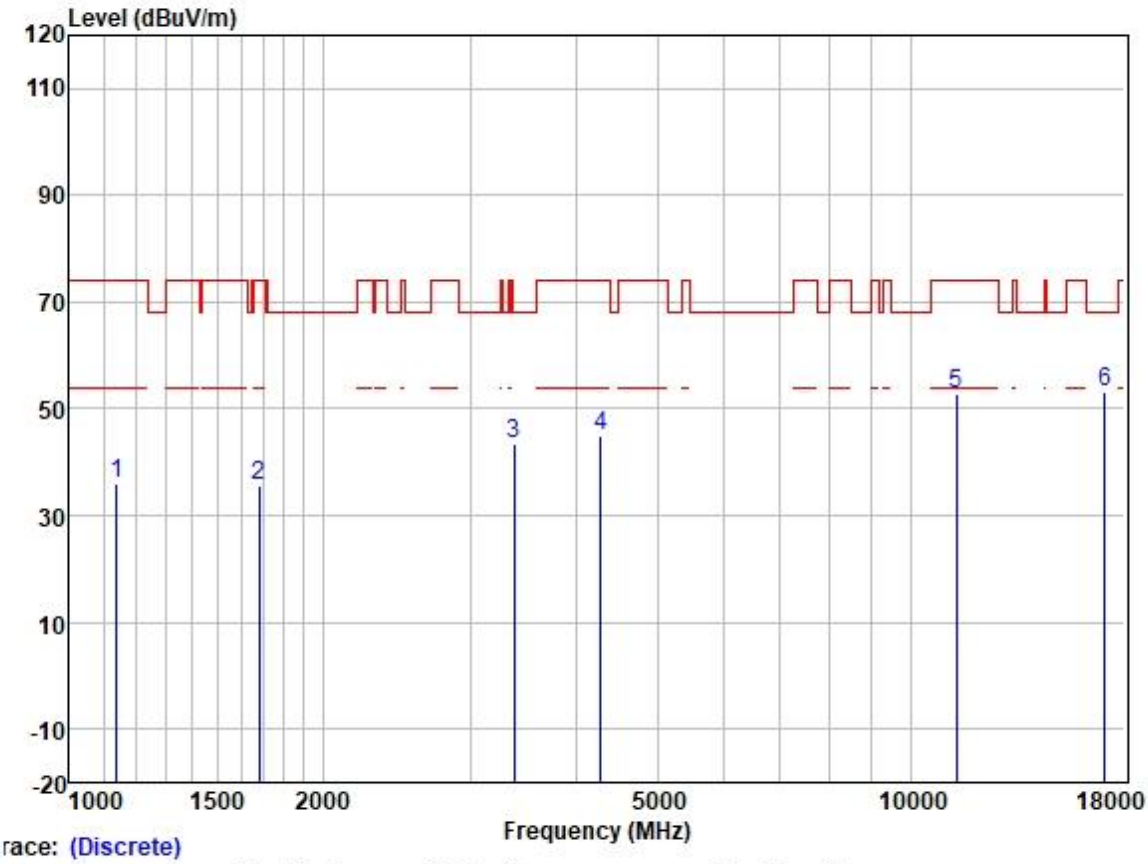
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.61	24.46	2.27	38.42	35.92	74.00	-38.08	HORIZONTAL	Peak
2	1682.477	45.17	25.68	2.80	37.91	35.74	74.00	-38.26	HORIZONTAL	Peak
3	3376.523	47.68	28.83	4.09	36.99	43.61	68.20	-24.59	HORIZONTAL	Peak
4	4279.589	46.71	30.42	4.63	36.81	44.95	74.00	-29.05	HORIZONTAL	Peak
5	11340.000	42.00	39.97	8.18	37.17	52.98	74.00	-21.02	HORIZONTAL	Peak
6	17010.000	37.34	41.75	9.39	35.35	53.13	68.20	-15.07	HORIZONTAL	Peak

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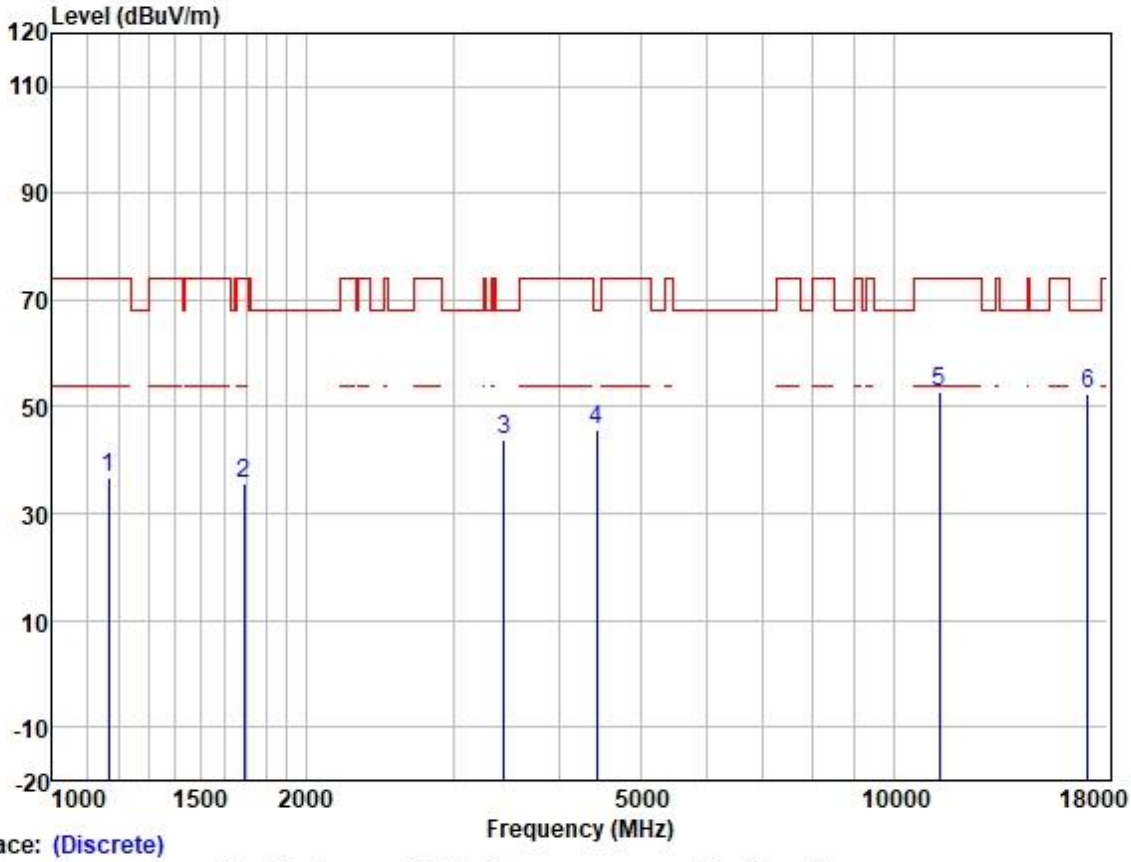
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1165.546	48.27	24.54	2.39	38.40	36.80	74.00	-37.20	VERTICAL	Peak
2	1692.231	45.09	25.70	2.80	37.89	35.70	74.00	-38.30	VERTICAL	Peak
3	3445.535	47.87	28.87	4.18	36.96	43.96	68.20	-24.24	VERTICAL	Peak
4	4443.453	46.95	30.73	4.83	36.81	45.70	68.20	-22.50	VERTICAL	Peak
5	11340.000	41.86	39.97	8.18	37.17	52.84	74.00	-21.16	VERTICAL	Peak
6	17010.000	36.76	41.75	9.39	35.35	52.55	68.20	-15.65	VERTICAL	Peak

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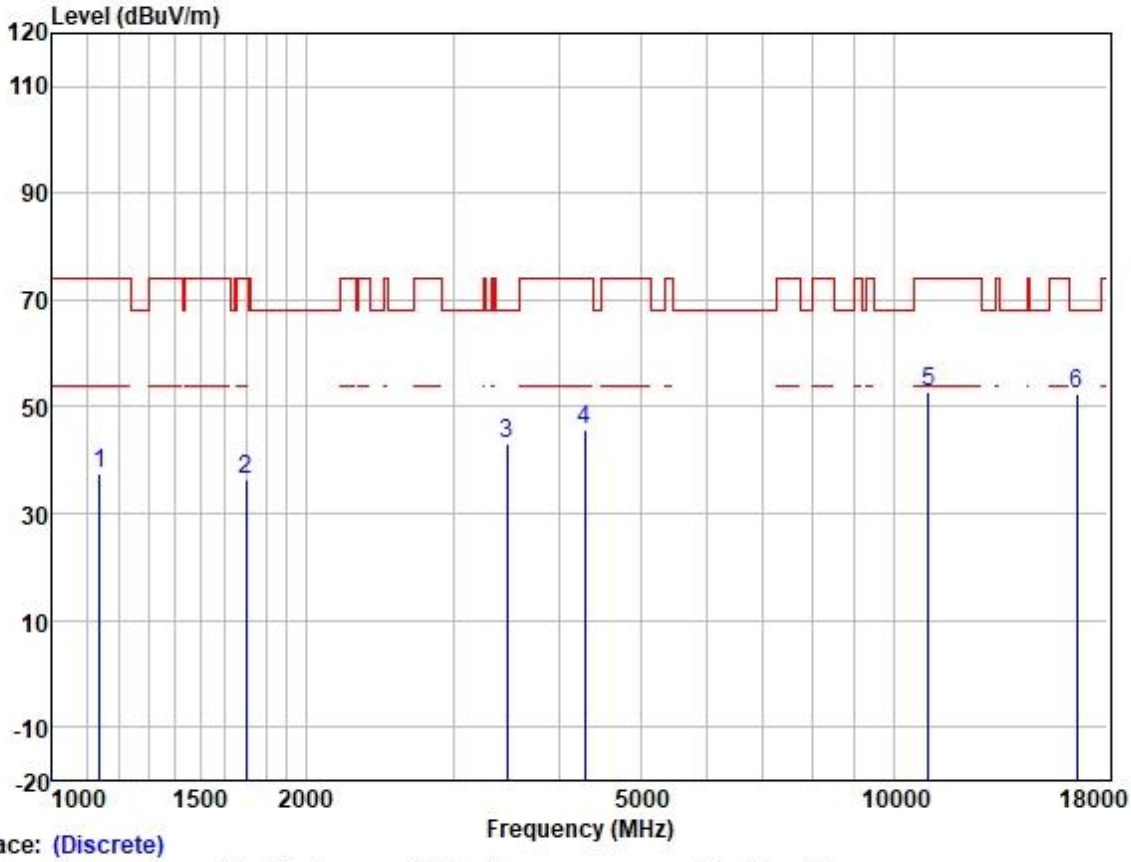
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	49.18	24.46	2.27	38.42	37.49	74.00	-36.51	HORIZONTAL	Peak
2	1697.129	45.59	25.71	2.80	37.89	36.21	74.00	-37.79	HORIZONTAL	Peak
3	3475.541	46.83	28.89	4.25	36.95	43.02	68.20	-25.18	HORIZONTAL	Peak
4	4291.977	47.49	30.45	4.64	36.81	45.77	74.00	-28.23	HORIZONTAL	Peak
5	11000.000	42.39	40.10	7.71	37.25	52.95	74.00	-21.05	HORIZONTAL	Peak
6	16500.000	38.76	39.60	9.44	35.38	52.42	68.20	-15.78	HORIZONTAL	Peak

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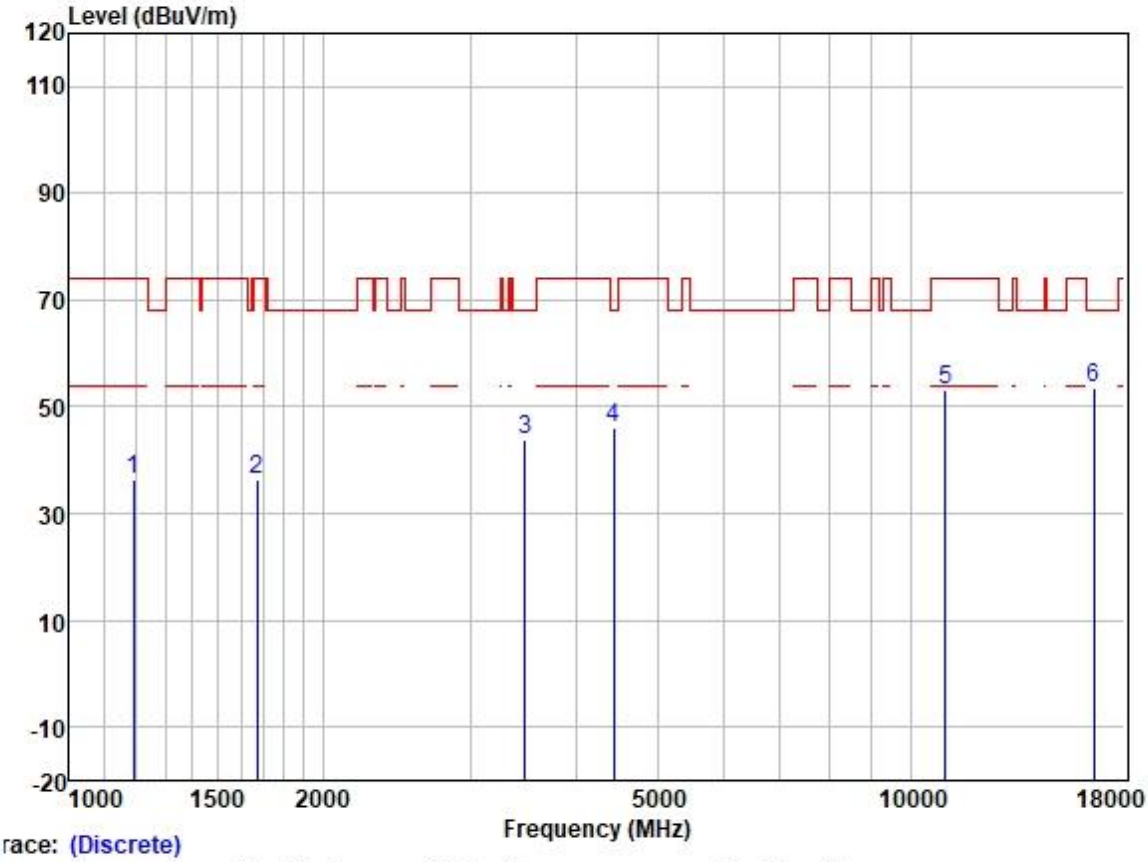
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1192.811	47.87	24.65	2.36	38.39	36.49	74.00	-37.51	VERTICAL	Peak
2	1672.779	45.65	25.67	2.80	37.91	36.21	74.00	-37.79	VERTICAL	Peak
3	3485.601	47.63	28.89	4.27	36.95	43.84	68.20	-24.36	VERTICAL	Peak
4	4443.453	47.33	30.73	4.83	36.81	46.08	68.20	-22.12	VERTICAL	Peak
5	11000.000	42.43	40.10	7.71	37.25	52.99	74.00	-21.01	VERTICAL	Peak
6	16500.000	39.75	39.60	9.44	35.38	53.41	68.20	-14.79	VERTICAL	Peak

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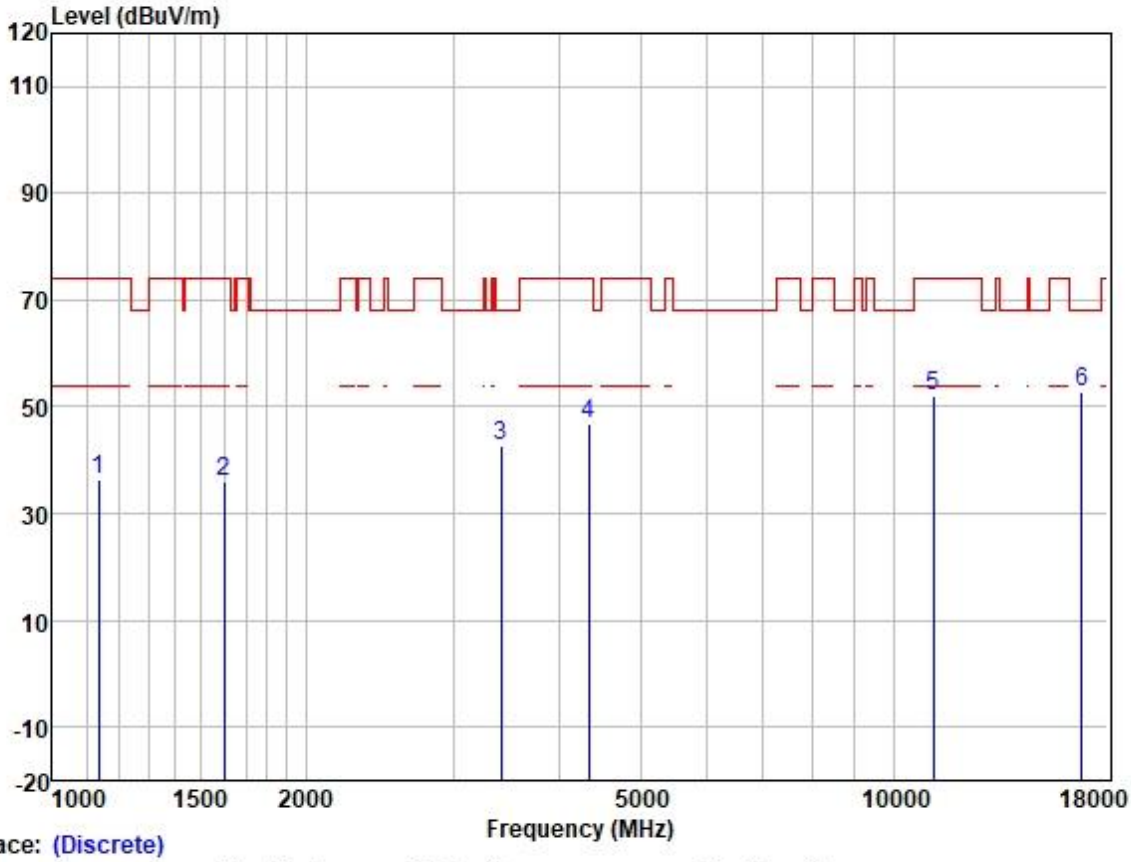
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com
Member of the SGS Group (SGS SA)

Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1135.617	47.94	24.45	2.25	38.43	36.21	74.00	-37.79	HORIZONTAL	Peak
2	1601.804	45.59	25.58	2.80	37.98	35.99	74.00	-38.01	HORIZONTAL	Peak
3	3415.787	46.73	28.85	4.13	36.97	42.74	68.20	-25.46	HORIZONTAL	Peak
4	4341.886	48.47	30.57	4.67	36.81	46.90	74.00	-27.10	HORIZONTAL	Peak
5	11160.000	41.45	40.04	7.90	37.21	52.18	74.00	-21.82	HORIZONTAL	Peak
6	16740.000	38.36	40.49	9.41	35.37	52.89	68.20	-15.31	HORIZONTAL	Peak

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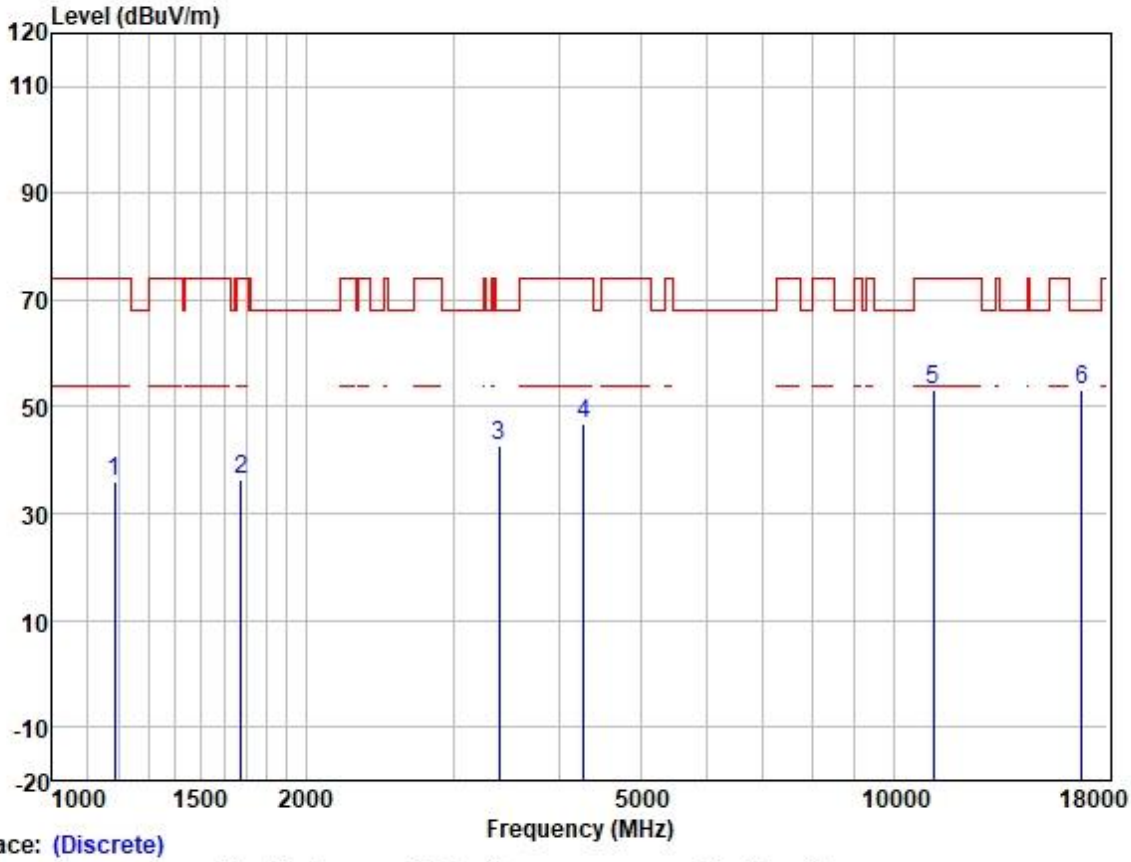
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1185.936	47.58	24.62	2.37	38.40	36.17	74.00	-37.83	VERTICAL	Peak
2	1677.621	45.97	25.68	2.80	37.91	36.54	74.00	-37.46	VERTICAL	Peak
3	3396.098	46.59	28.84	4.10	36.98	42.55	68.20	-25.65	VERTICAL	Peak
4	4279.589	48.46	30.42	4.63	36.81	46.70	74.00	-27.30	VERTICAL	Peak
5	11160.000	42.31	40.04	7.90	37.21	53.04	74.00	-20.96	VERTICAL	Peak
6	16740.000	38.67	40.49	9.41	35.37	53.20	68.20	-15.00	VERTICAL	Peak

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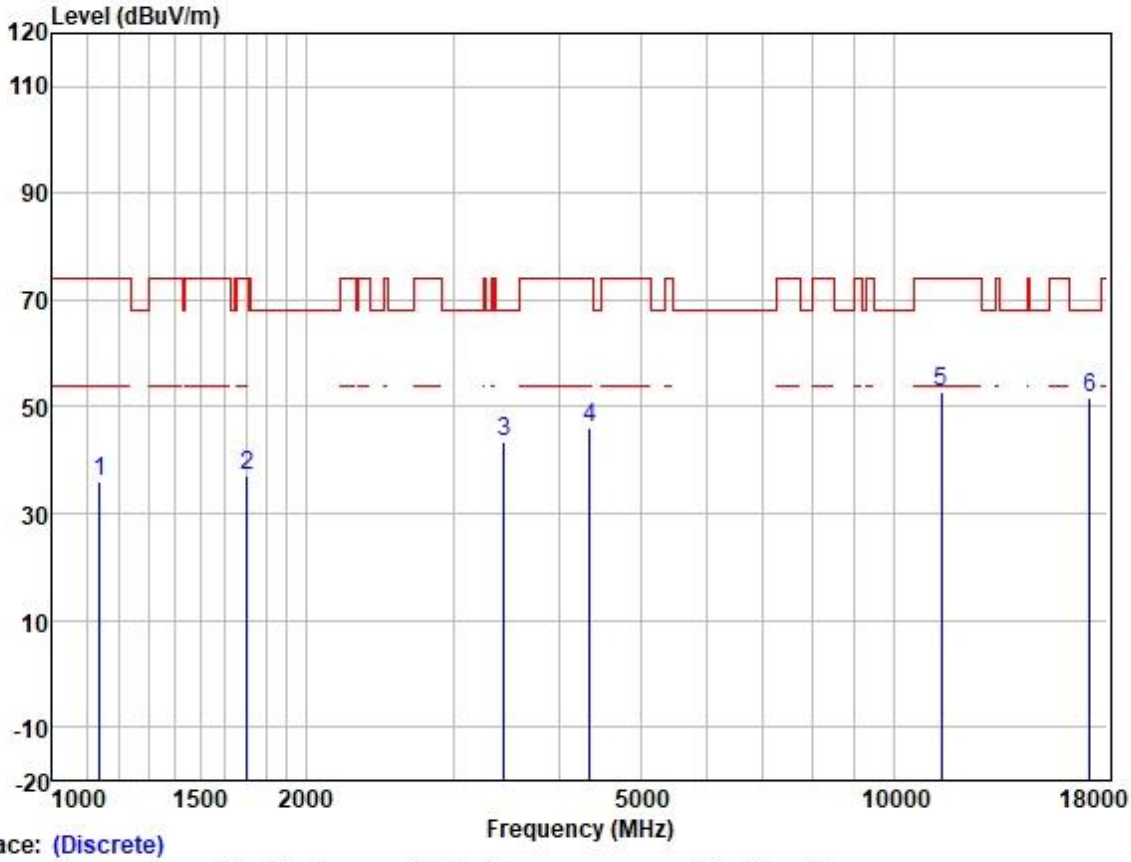
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.80	24.46	2.27	38.42	36.11	74.00	-37.89	HORIZONTAL	Peak
2	1702.042	46.38	25.72	2.80	37.89	37.01	74.00	-36.99	HORIZONTAL	Peak
3	3445.535	47.22	28.87	4.18	36.96	43.31	68.20	-24.89	HORIZONTAL	Peak
4	4354.454	47.56	30.59	4.68	36.81	46.02	74.00	-27.98	HORIZONTAL	Peak
5	11400.000	41.75	39.94	8.28	37.16	52.81	74.00	-21.19	HORIZONTAL	Peak
6	17100.000	35.23	42.32	9.63	35.34	51.84	68.20	-16.36	HORIZONTAL	Peak

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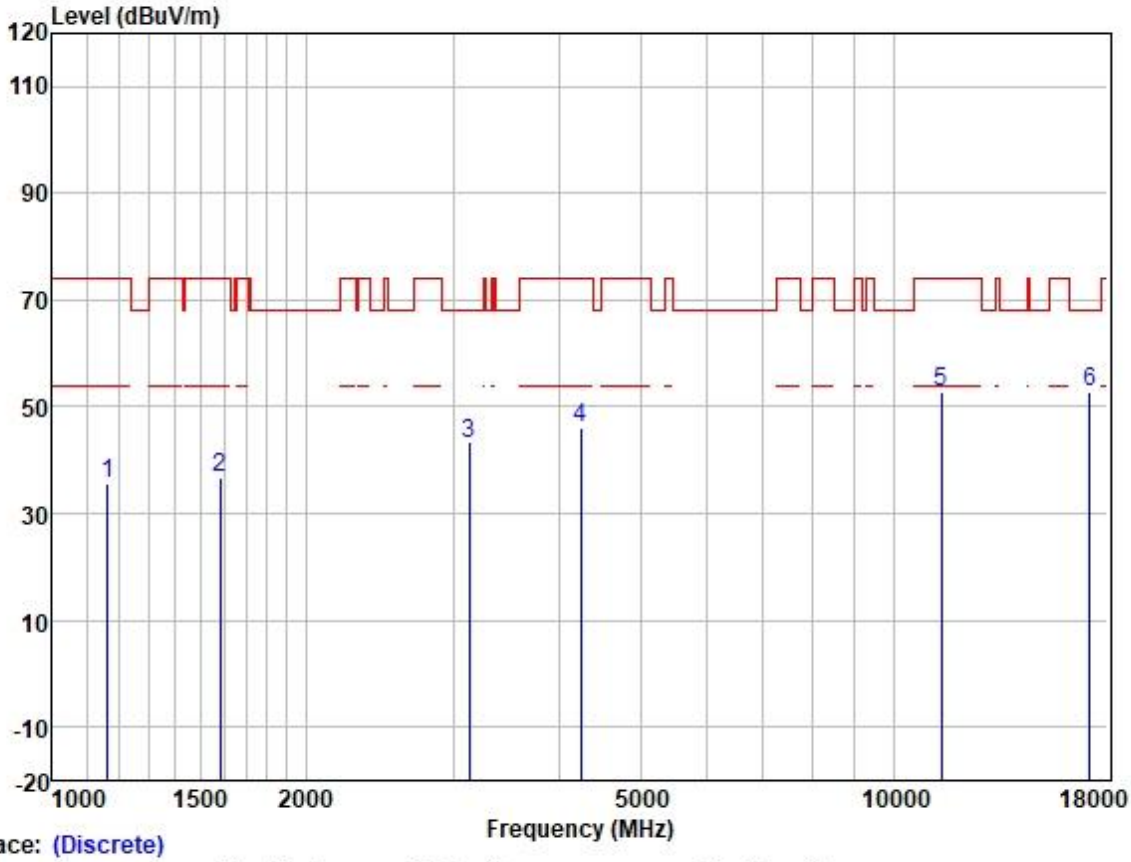
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1162.182	47.02	24.53	2.40	38.42	35.53	74.00	-38.47	VERTICAL	Peak
2	1583.392	46.46	25.56	2.80	38.00	36.82	74.00	-37.18	VERTICAL	Peak
3	3132.079	47.96	28.51	3.95	37.14	43.28	68.20	-24.92	VERTICAL	Peak
4	4242.641	47.80	30.30	4.62	36.81	45.91	74.00	-28.09	VERTICAL	Peak
5	11400.000	41.67	39.94	8.28	37.16	52.73	74.00	-21.27	VERTICAL	Peak
6	17100.000	36.29	42.32	9.63	35.34	52.90	68.20	-15.30	VERTICAL	Peak

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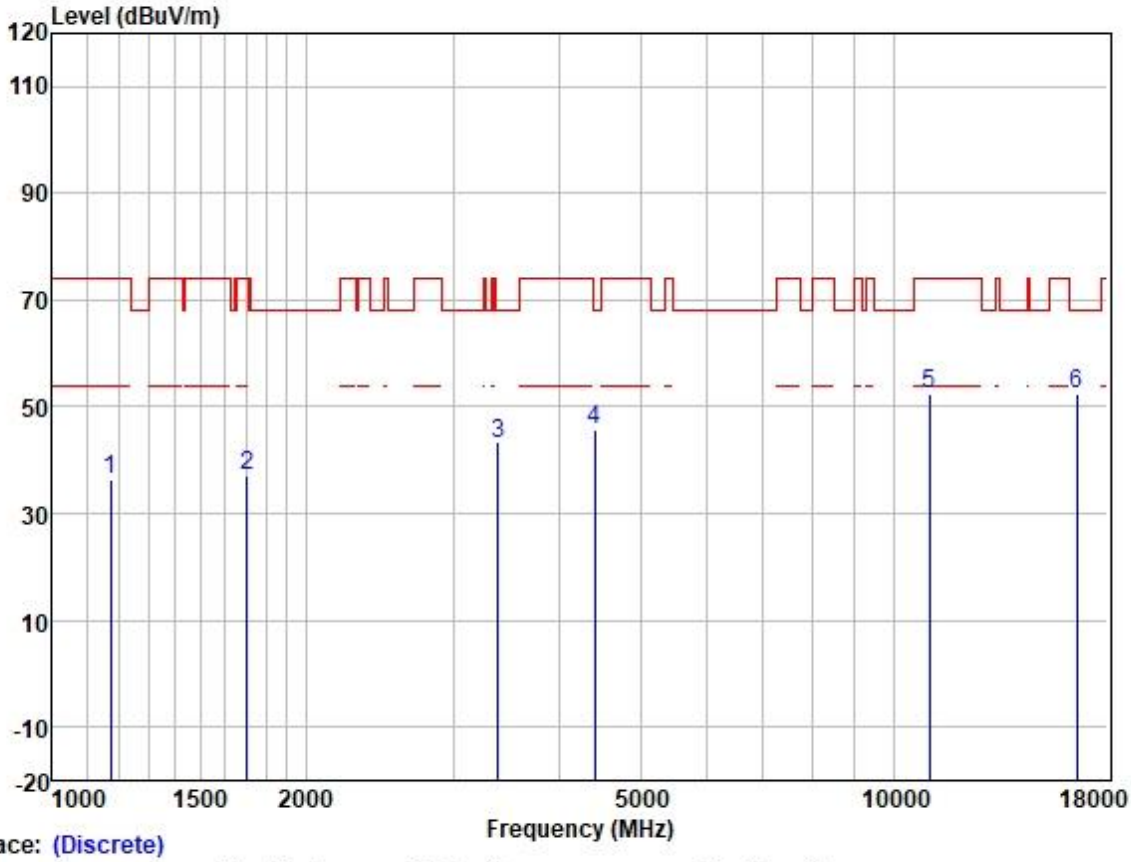
Member of the SGS Group (SGS SA)

Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1172.303	47.93	24.56	2.39	38.40	36.48	74.00	-37.52	HORIZONTAL	Peak
2	1702.042	46.37	25.72	2.80	37.89	37.00	74.00	-37.00	HORIZONTAL	Peak
3	3386.297	47.34	28.83	4.10	36.99	43.28	68.20	-24.92	HORIZONTAL	Peak
4	4417.841	47.02	30.70	4.74	36.81	45.65	68.20	-22.55	HORIZONTAL	Peak
5	11020.000	41.91	40.10	7.71	37.24	52.48	74.00	-21.52	HORIZONTAL	Peak
6	16530.000	38.76	39.76	9.44	35.38	52.58	68.20	-15.62	HORIZONTAL	Peak

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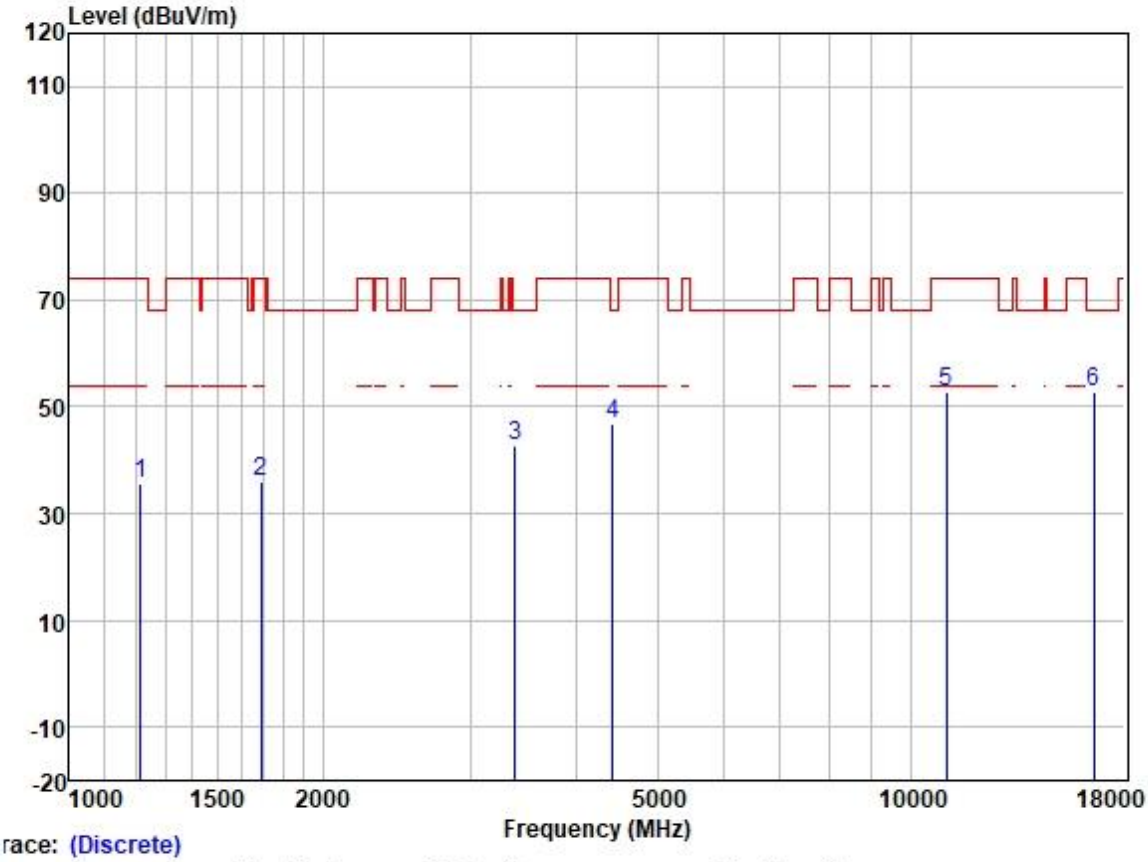
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	46.93	24.77	2.32	38.37	35.65	74.00	-38.35	VERTICAL	Peak
2	1692.231	45.24	25.70	2.80	37.89	35.85	74.00	-38.15	VERTICAL	Peak
3	3386.297	46.83	28.83	4.10	36.99	42.77	68.20	-25.43	VERTICAL	Peak
4	4430.628	48.06	30.72	4.78	36.81	46.75	68.20	-21.45	VERTICAL	Peak
5	11020.000	42.08	40.10	7.71	37.24	52.65	74.00	-21.35	VERTICAL	Peak
6	16530.000	38.94	39.76	9.44	35.38	52.76	68.20	-15.44	VERTICAL	Peak

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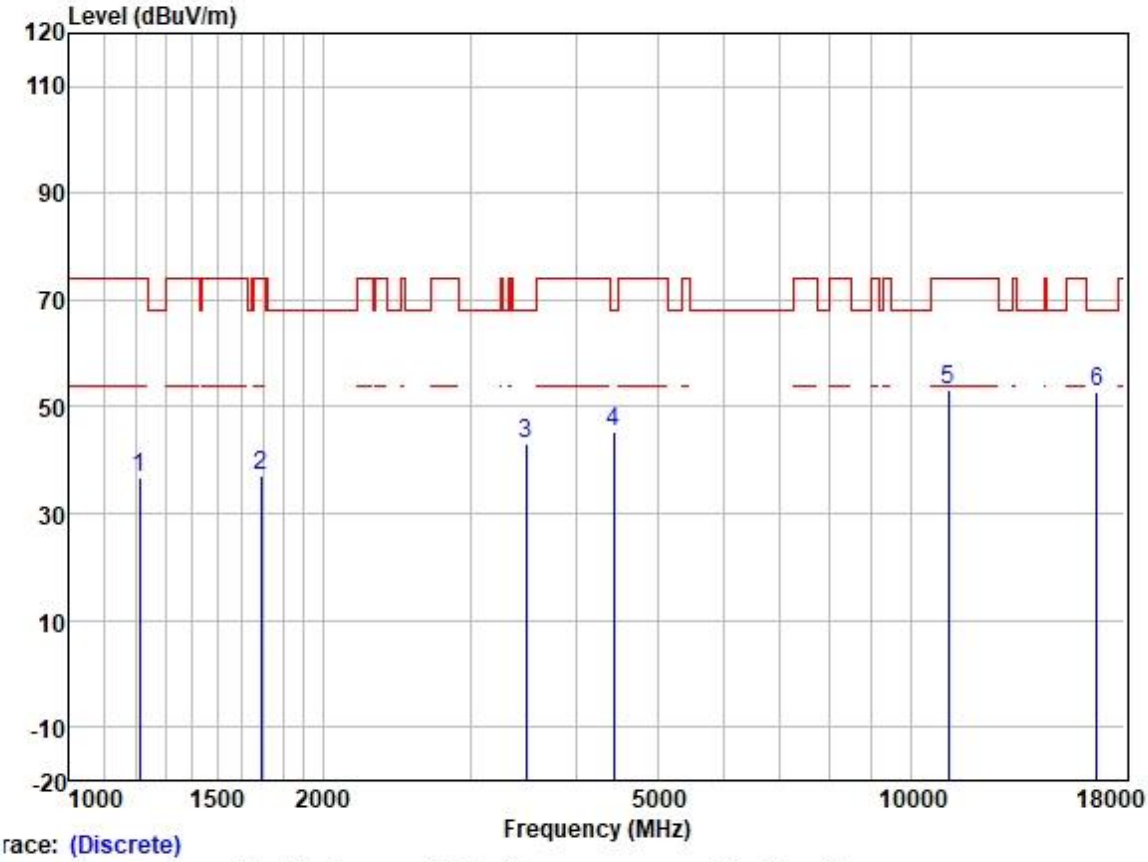
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1210.174	47.99	24.74	2.33	38.39	36.67	74.00	-37.33	HORIZONTAL	Peak
2	1692.231	46.37	25.70	2.80	37.89	36.98	74.00	-37.02	HORIZONTAL	Peak
3	3495.691	46.74	28.90	4.30	36.94	43.00	68.20	-25.20	HORIZONTAL	Peak
4	4443.453	46.63	30.73	4.83	36.81	45.38	68.20	-22.82	HORIZONTAL	Peak
5	11100.000	42.44	40.07	7.82	37.22	53.11	74.00	-20.89	HORIZONTAL	Peak
6	16650.000	38.47	40.10	9.43	35.38	52.62	68.20	-15.58	HORIZONTAL	Peak

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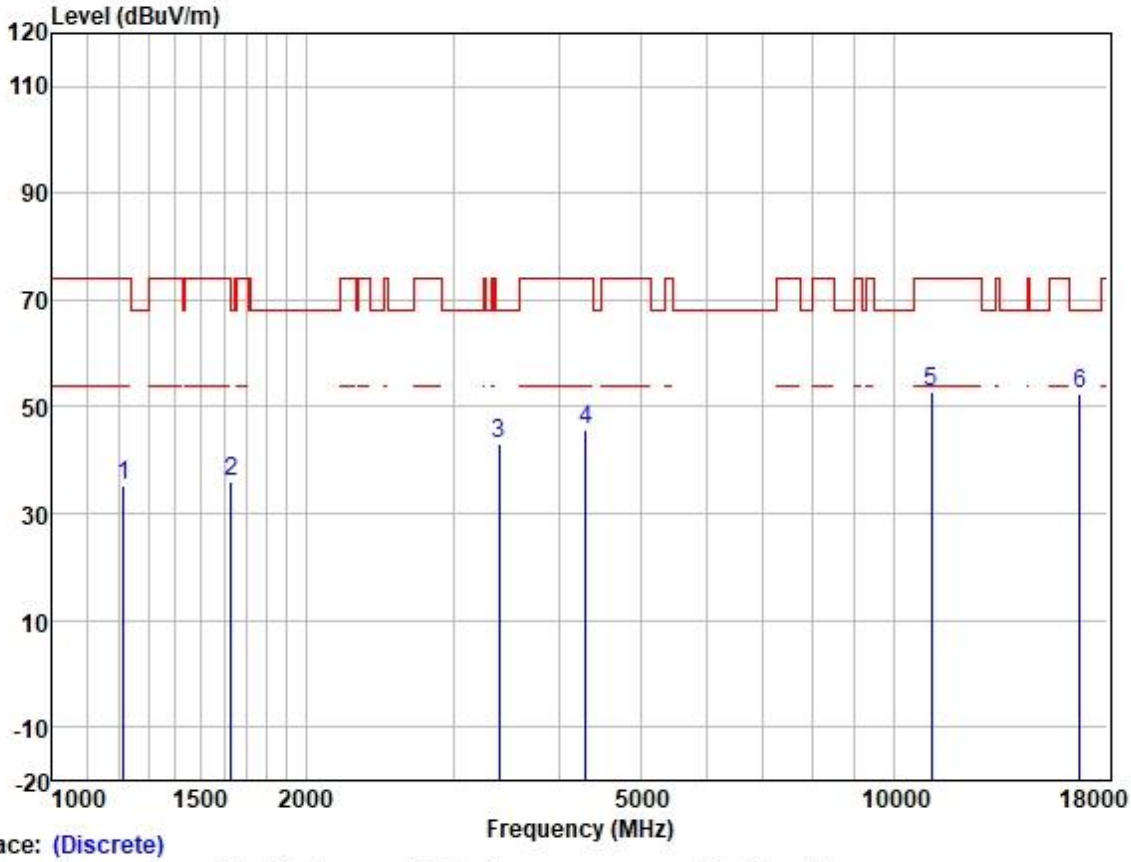
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	46.64	24.77	2.32	38.37	35.36	74.00	-38.64	VERTICAL	Peak
2	1629.825	45.58	25.61	2.80	37.95	36.04	68.20	-32.16	VERTICAL	Peak
3	3396.098	47.25	28.84	4.10	36.98	43.21	68.20	-24.99	VERTICAL	Peak
4	4304.400	47.38	30.48	4.65	36.81	45.70	74.00	-28.30	VERTICAL	Peak
5	11100.000	42.13	40.07	7.82	37.22	52.80	74.00	-21.20	VERTICAL	Peak
6	16650.000	38.37	40.10	9.43	35.38	52.52	68.20	-15.68	VERTICAL	Peak

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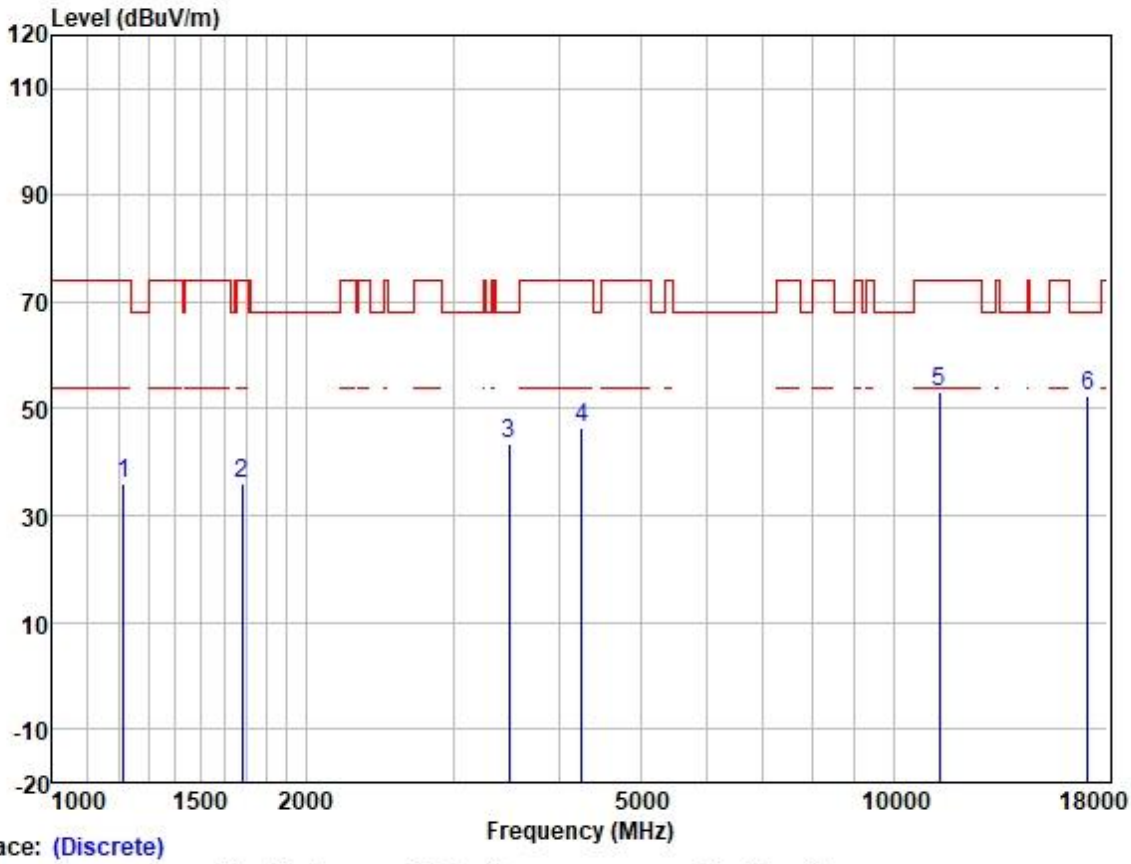
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	47.12	24.77	2.32	38.37	35.84	74.00	-38.16	HORIZONTAL	Peak
2	1682.477	45.53	25.68	2.80	37.91	36.10	74.00	-37.90	HORIZONTAL	Peak
3	3495.691	47.26	28.90	4.30	36.94	43.52	68.20	-24.68	HORIZONTAL	Peak
4	4254.921	48.46	30.34	4.62	36.81	46.61	74.00	-27.39	HORIZONTAL	Peak
5	11340.000	42.17	39.97	8.18	37.17	53.15	74.00	-20.85	HORIZONTAL	Peak
6	17010.000	36.71	41.75	9.39	35.35	52.50	68.20	-15.70	HORIZONTAL	Peak

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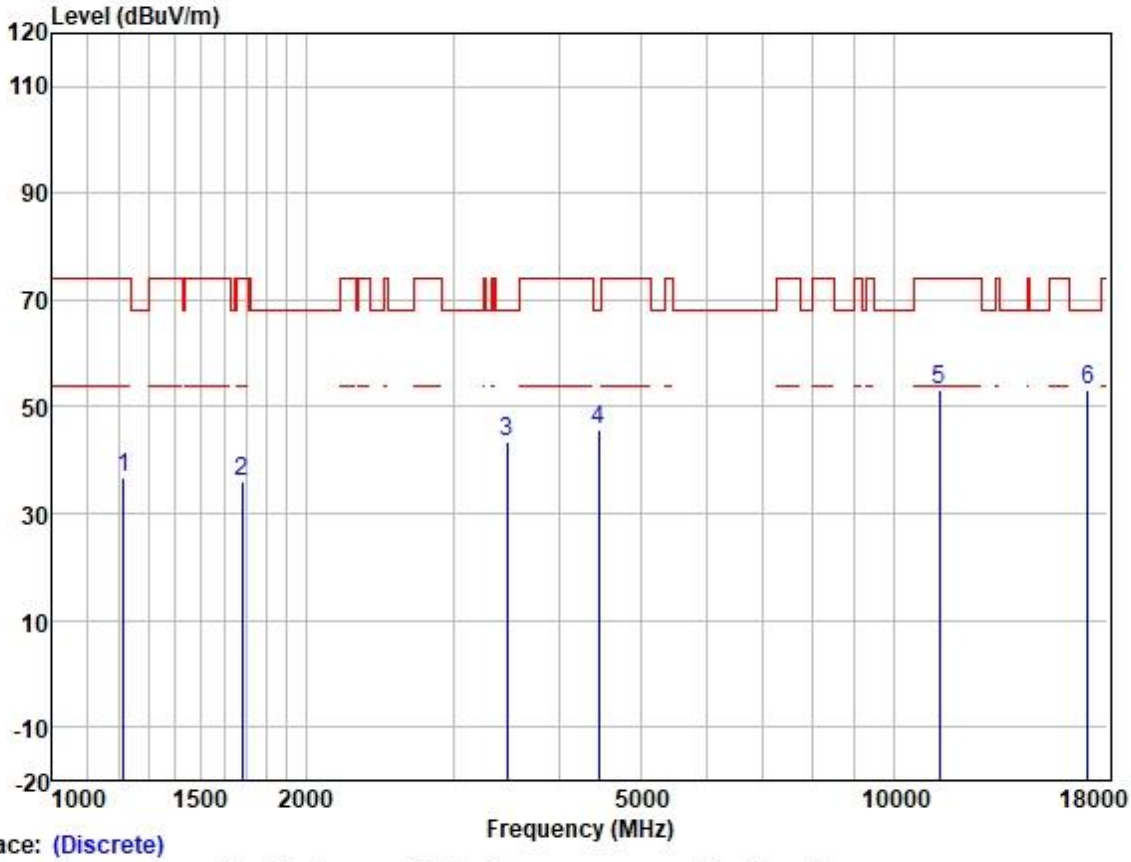
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	48.05	24.77	2.32	38.37	36.77	74.00	-37.23	VERTICAL	Peak
2	1682.477	45.25	25.68	2.80	37.91	35.82	74.00	-38.18	VERTICAL	Peak
3	3475.541	47.38	28.89	4.25	36.95	43.57	68.20	-24.63	VERTICAL	Peak
4	4456.315	47.07	30.75	4.88	36.81	45.89	68.20	-22.31	VERTICAL	Peak
5	11340.000	42.07	39.97	8.18	37.17	53.05	74.00	-20.95	VERTICAL	Peak
6	17010.000	37.52	41.75	9.39	35.35	53.31	68.20	-14.89	VERTICAL	Peak

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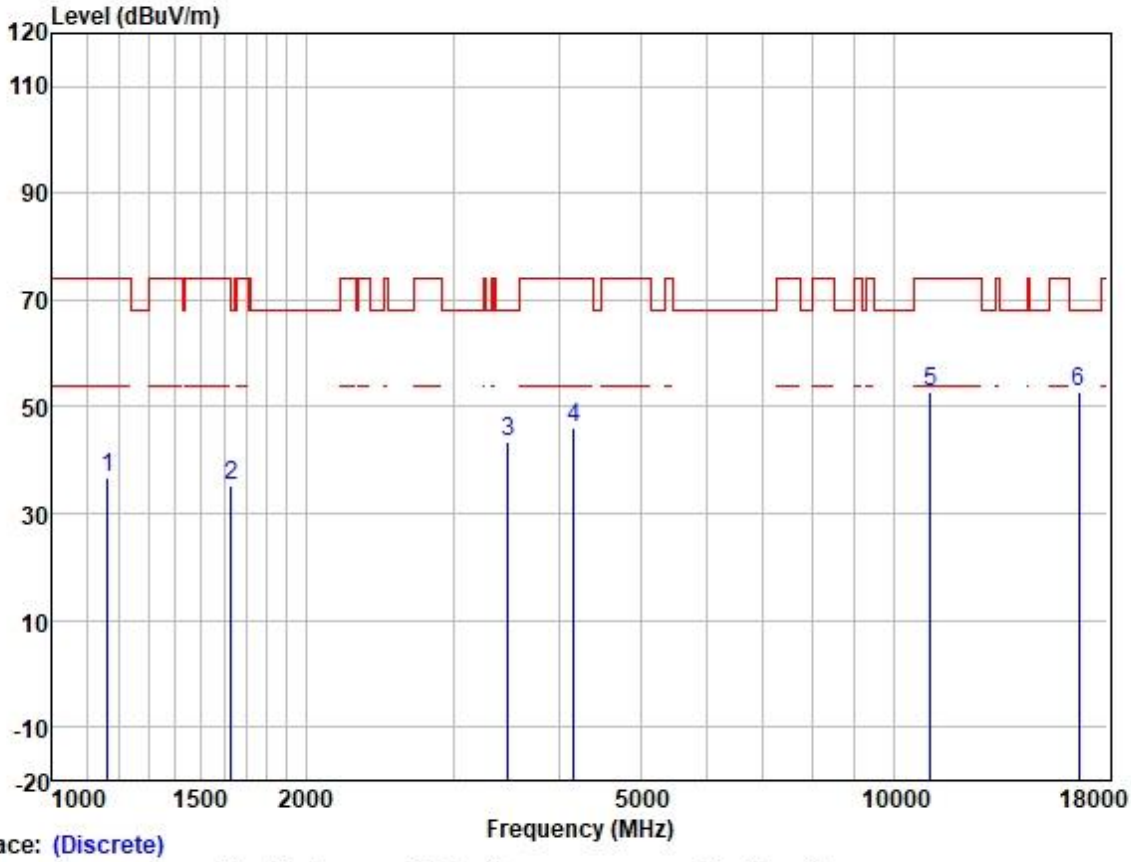
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1162.182	48.26	24.53	2.40	38.42	36.77	74.00	-37.23	HORIZONTAL	Peak
2	1629.825	44.76	25.61	2.80	37.95	35.22	68.20	-32.98	HORIZONTAL	Peak
3	3485.601	47.20	28.89	4.27	36.95	43.41	68.20	-24.79	HORIZONTAL	Peak
4	4169.698	48.17	30.09	4.60	36.80	46.06	74.00	-27.94	HORIZONTAL	Peak
5	11060.000	42.31	40.09	7.74	37.23	52.91	74.00	-21.09	HORIZONTAL	Peak
6	16590.000	38.76	39.93	9.43	35.38	52.74	68.20	-15.46	HORIZONTAL	Peak

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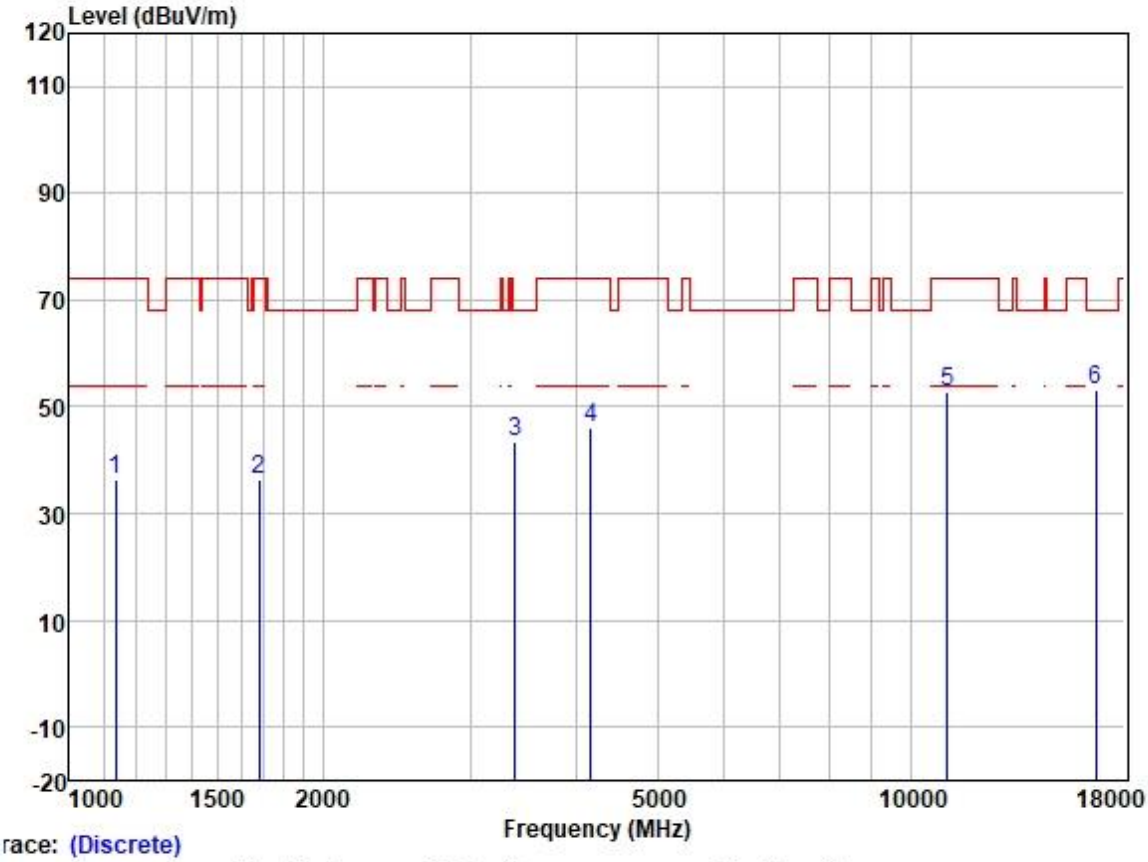
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1135.617	48.12	24.45	2.25	38.43	36.39	74.00	-37.61	VERTICAL	Peak
2	1682.477	45.95	25.68	2.80	37.91	36.52	74.00	-37.48	VERTICAL	Peak
3	3386.297	47.66	28.83	4.10	36.99	43.60	68.20	-24.60	VERTICAL	Peak
4	4169.698	48.27	30.09	4.60	36.80	46.16	74.00	-27.84	VERTICAL	Peak
5	11060.000	42.37	40.09	7.74	37.23	52.97	74.00	-21.03	VERTICAL	Peak
6	16590.000	39.03	39.93	9.43	35.38	53.01	68.20	-15.19	VERTICAL	Peak

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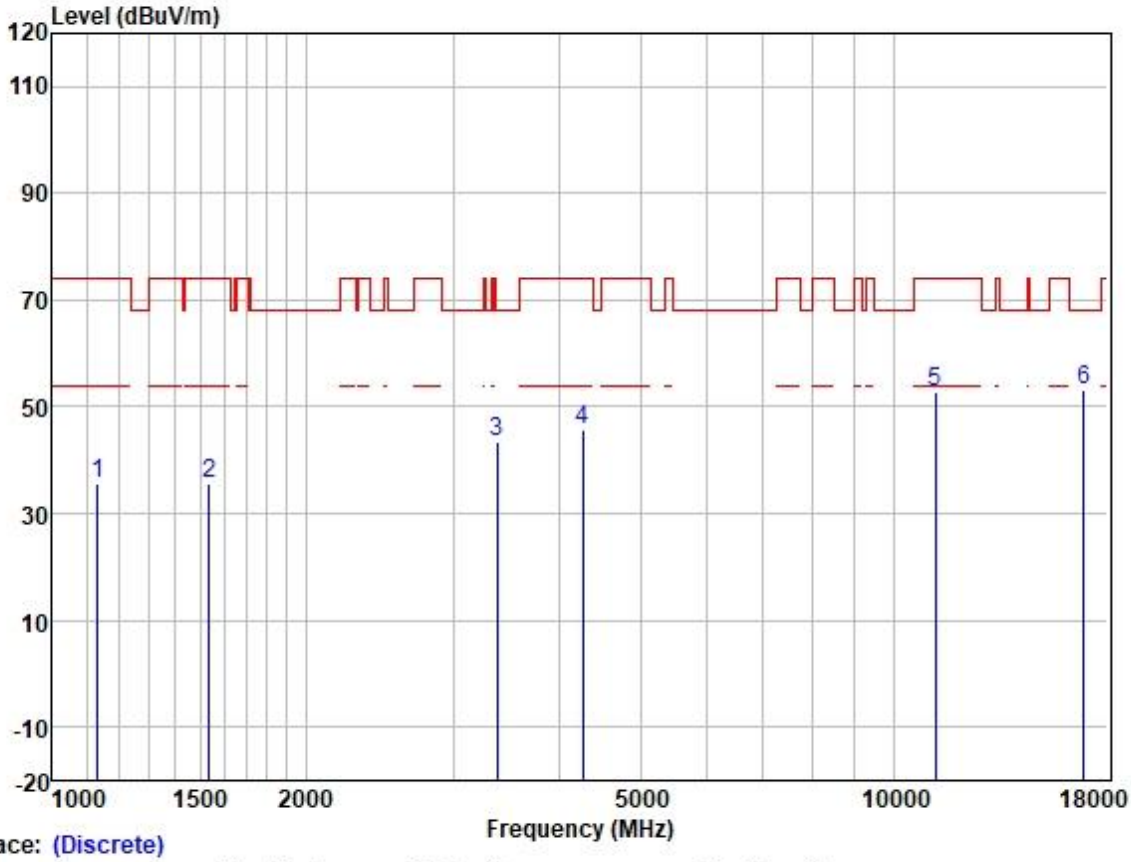
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	47.58	24.44	2.22	38.43	35.81	74.00	-38.19	HORIZONTAL	Peak
2	1538.281	45.32	25.53	2.80	38.03	35.62	74.00	-38.38	HORIZONTAL	Peak
3	3376.523	47.58	28.83	4.09	36.99	43.51	68.20	-24.69	HORIZONTAL	Peak
4	4267.237	47.68	30.38	4.63	36.81	45.88	74.00	-28.12	HORIZONTAL	Peak
5	11220.000	42.04	40.03	7.95	37.19	52.83	74.00	-21.17	HORIZONTAL	Peak
6	16830.000	38.16	40.94	9.40	35.37	53.13	68.20	-15.07	HORIZONTAL	Peak

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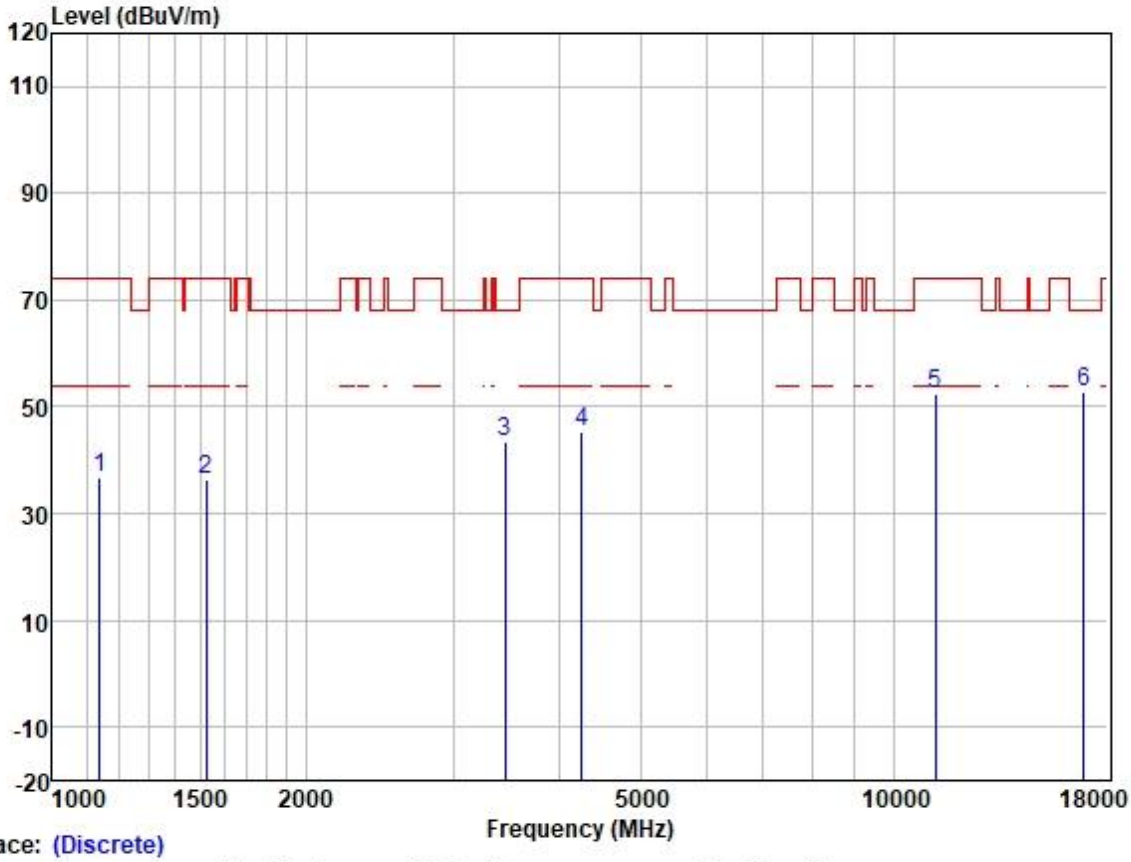
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	48.54	24.46	2.27	38.42	36.85	74.00	-37.15	VERTICAL	Peak
2	1525.000	46.26	25.52	2.80	38.07	36.51	74.00	-37.49	VERTICAL	Peak
3	3455.508	47.48	28.88	4.20	36.96	43.60	68.20	-24.60	VERTICAL	Peak
4	4254.921	47.30	30.34	4.62	36.81	45.45	74.00	-28.55	VERTICAL	Peak
5	11220.000	41.68	40.03	7.95	37.19	52.47	74.00	-21.53	VERTICAL	Peak
6	16830.000	37.78	40.94	9.40	35.37	52.75	68.20	-15.45	VERTICAL	Peak

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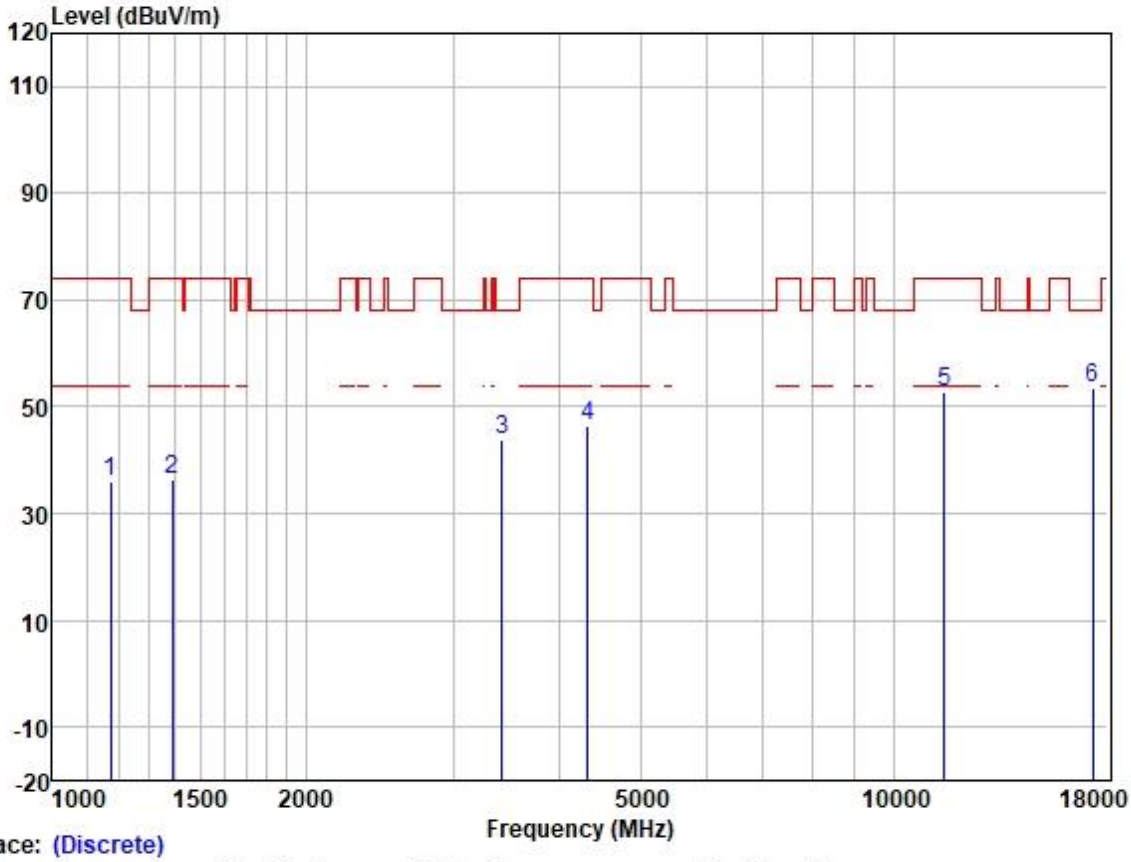
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1172.303	47.53	24.56	2.39	38.40	36.08	74.00	-37.92	HORIZONTAL	Peak
2	1390.276	46.62	25.38	2.60	38.22	36.38	74.00	-37.62	HORIZONTAL	Peak
3	3425.675	47.90	28.86	4.15	36.97	43.94	68.20	-24.26	HORIZONTAL	Peak
4	4329.354	47.94	30.54	4.67	36.81	46.34	74.00	-27.66	HORIZONTAL	Peak
5	11490.000	41.69	39.90	8.41	37.15	52.85	74.00	-21.15	HORIZONTAL	Peak
6	17235.000	35.68	43.01	10.08	35.33	53.44	68.20	-14.76	HORIZONTAL	Peak

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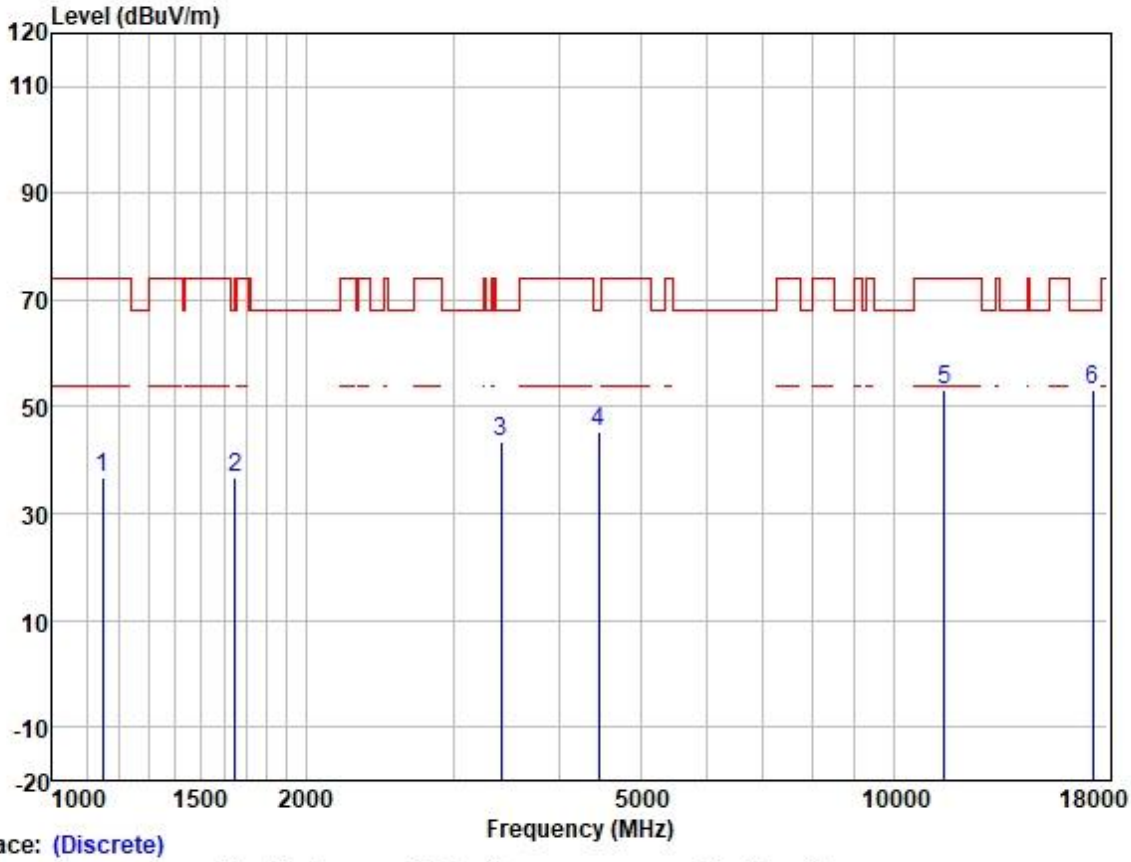
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1148.823	48.47	24.49	2.34	38.42	36.88	74.00	-37.12	VERTICAL	Peak
2	1648.778	46.33	25.63	2.80	37.93	36.83	68.20	-31.37	VERTICAL	Peak
3	3415.787	47.58	28.85	4.13	36.97	43.59	68.20	-24.61	VERTICAL	Peak
4	4456.315	46.64	30.75	4.88	36.81	45.46	68.20	-22.74	VERTICAL	Peak
5	11490.000	42.06	39.90	8.41	37.15	53.22	74.00	-20.78	VERTICAL	Peak
6	17235.000	35.51	43.01	10.08	35.33	53.27	68.20	-14.93	VERTICAL	Peak

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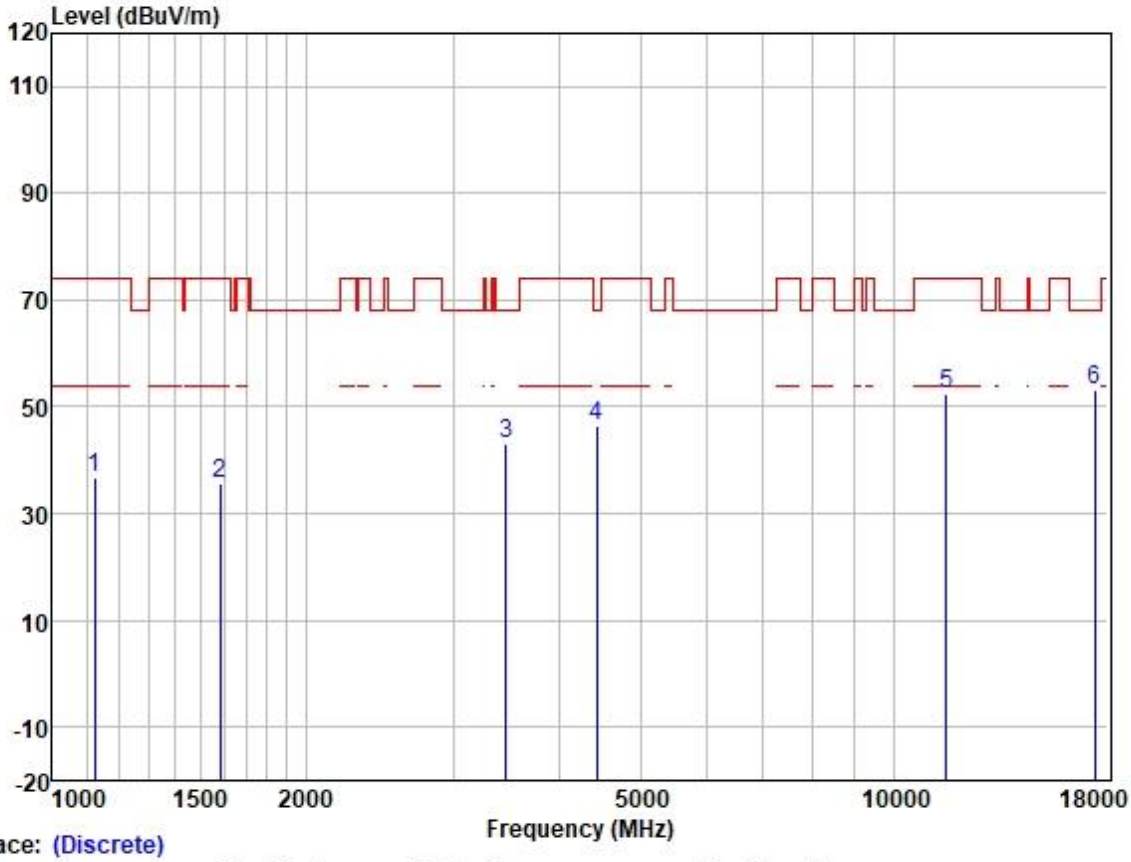
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1122.563	48.69	24.42	2.22	38.43	36.90	74.00	-37.10	HORIZONTAL	Peak
2	1583.392	45.41	25.56	2.80	38.00	35.77	74.00	-38.23	HORIZONTAL	Peak
3	3465.510	47.11	28.88	4.22	36.95	43.26	68.20	-24.94	HORIZONTAL	Peak
4	4443.453	47.57	30.73	4.83	36.81	46.32	68.20	-21.88	HORIZONTAL	Peak
5	11570.000	41.53	39.78	8.38	37.14	52.55	74.00	-21.45	HORIZONTAL	Peak
6	17355.000	34.77	43.40	10.39	35.32	53.24	68.20	-14.96	HORIZONTAL	Peak

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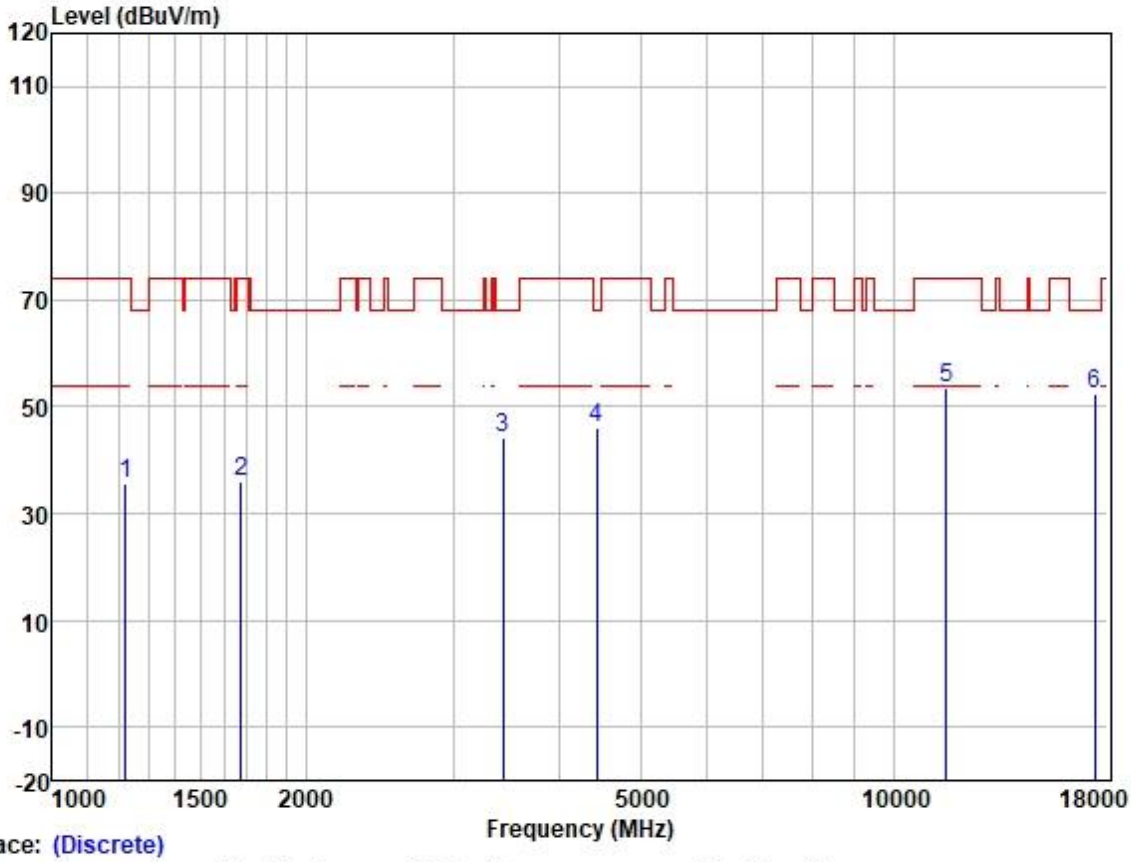
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1220.714	46.86	24.82	2.32	38.37	35.63	74.00	-38.37	VERTICAL	Peak
2	1677.621	45.53	25.68	2.80	37.91	36.10	74.00	-37.90	VERTICAL	Peak
3	3435.590	48.08	28.87	4.16	36.97	44.14	68.20	-24.06	VERTICAL	Peak
4	4443.453	47.30	30.73	4.83	36.81	46.05	68.20	-22.15	VERTICAL	Peak
5	11570.000	42.44	39.78	8.38	37.14	53.46	74.00	-20.54	VERTICAL	Peak
6	17355.000	33.90	43.40	10.39	35.32	52.37	68.20	-15.83	VERTICAL	Peak

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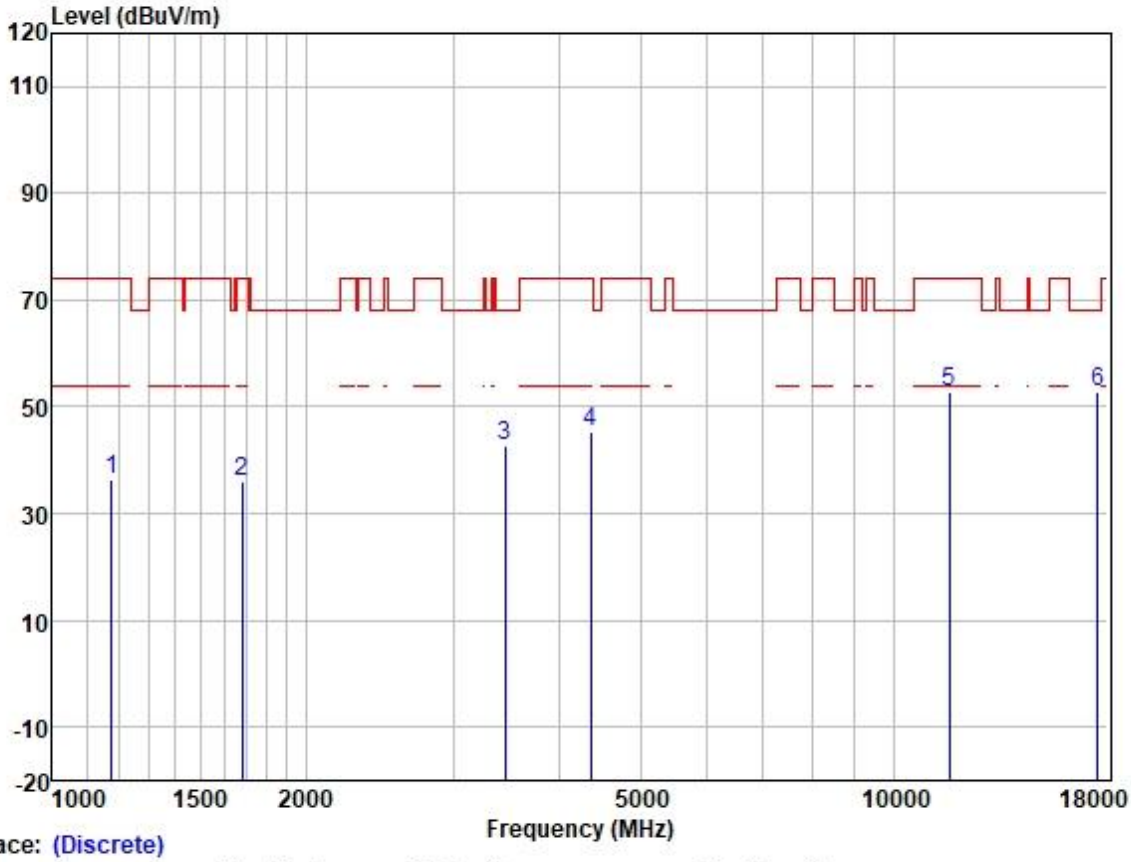
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1175.697	47.94	24.58	2.38	38.40	36.50	74.00	-37.50	HORIZONTAL	Peak
2	1682.477	45.56	25.68	2.80	37.91	36.13	74.00	-37.87	HORIZONTAL	Peak
3	3455.508	46.70	28.88	4.20	36.96	42.82	68.20	-25.38	HORIZONTAL	Peak
4	4367.058	46.95	30.62	4.68	36.81	45.44	74.00	-28.56	HORIZONTAL	Peak
5	11650.000	42.00	39.65	8.35	37.13	52.87	74.00	-21.13	HORIZONTAL	Peak
6	17475.000	33.37	43.90	10.77	35.32	52.72	68.20	-15.48	HORIZONTAL	Peak

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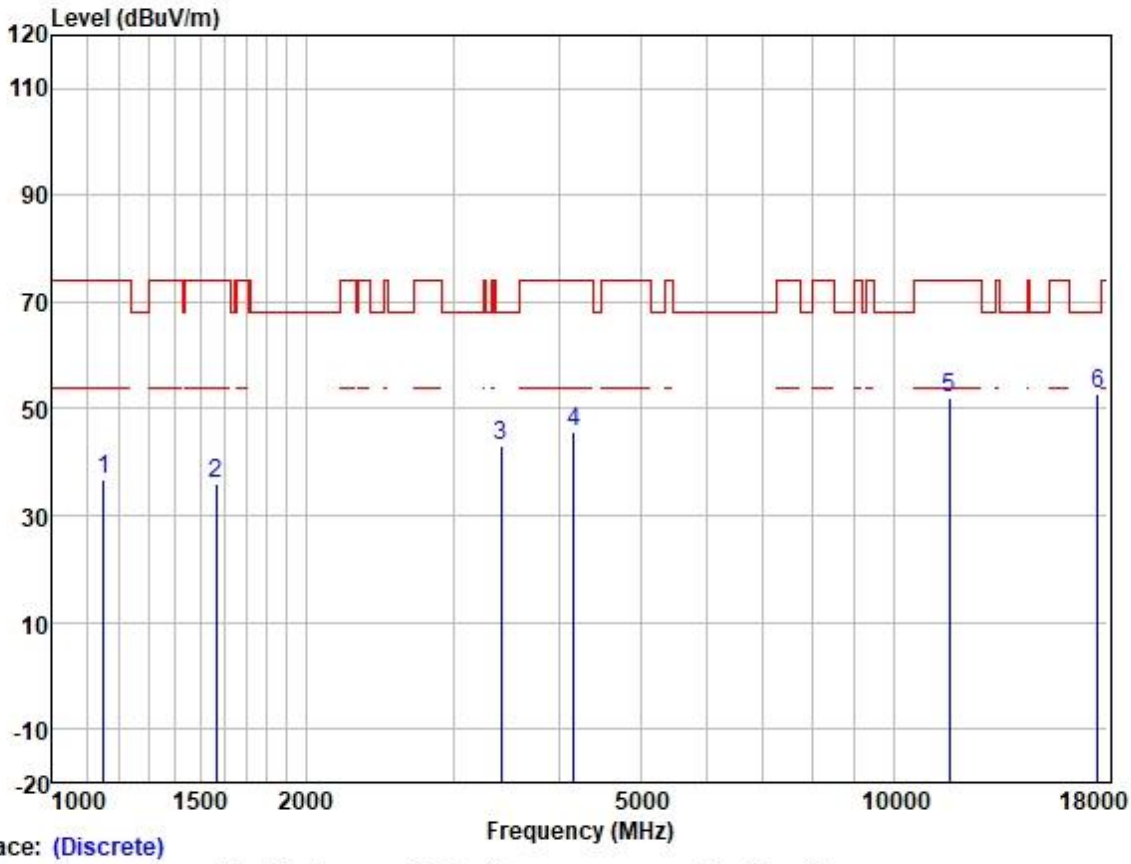
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1152.148	48.39	24.50	2.36	38.42	36.83	74.00	-37.17	VERTICAL	Peak
2	1565.191	45.74	25.55	2.80	38.00	36.09	74.00	-37.91	VERTICAL	Peak
3	3415.787	47.17	28.85	4.13	36.97	43.18	68.20	-25.02	VERTICAL	Peak
4	4169.698	47.91	30.09	4.60	36.80	45.80	74.00	-28.20	VERTICAL	Peak
5	11650.000	41.20	39.65	8.35	37.13	52.07	74.00	-21.93	VERTICAL	Peak
6	17475.000	33.29	43.90	10.77	35.32	52.64	68.20	-15.56	VERTICAL	Peak

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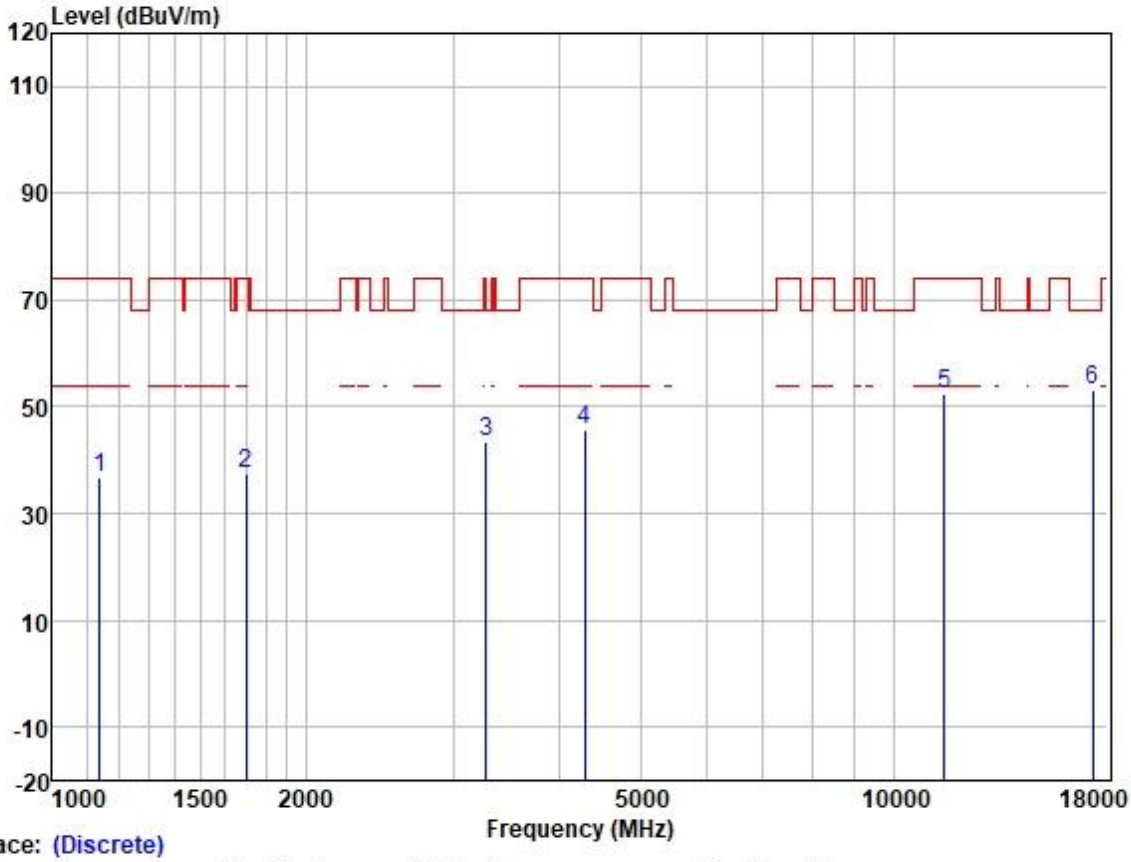
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	48.39	24.46	2.27	38.42	36.70	74.00	-37.30	HORIZONTAL	Peak
2	1697.129	46.87	25.71	2.80	37.89	37.49	74.00	-36.51	HORIZONTAL	Peak
3	3280.326	47.75	28.73	4.04	37.04	43.48	68.20	-24.72	HORIZONTAL	Peak
4	4291.977	47.48	30.45	4.64	36.81	45.76	74.00	-28.24	HORIZONTAL	Peak
5	11490.000	41.24	39.90	8.41	37.15	52.40	74.00	-21.60	HORIZONTAL	Peak
6	17235.000	35.40	43.01	10.08	35.33	53.16	68.20	-15.04	HORIZONTAL	Peak

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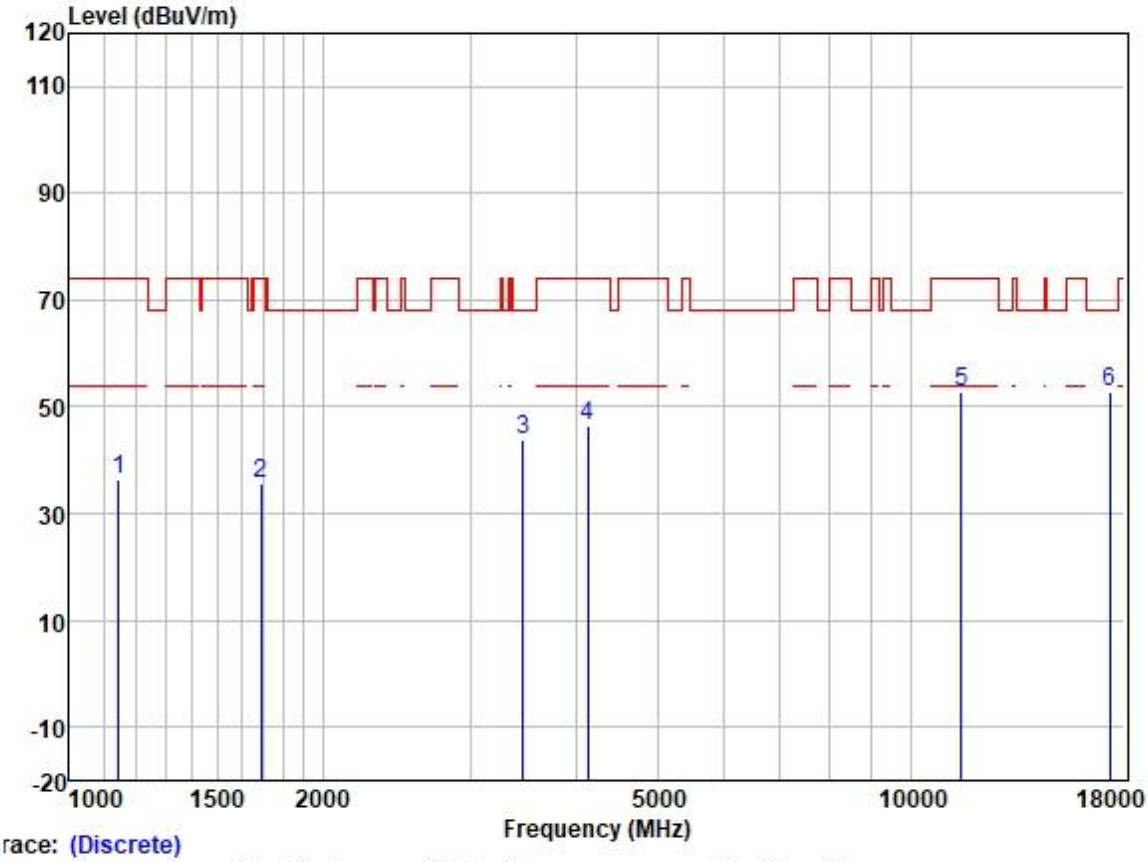
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1145.507	47.87	24.48	2.32	38.42	36.25	74.00	-37.75	VERTICAL	Peak
2	1692.231	44.88	25.70	2.80	37.89	35.49	74.00	-38.51	VERTICAL	Peak
3	3465.510	47.53	28.88	4.22	36.95	43.68	68.20	-24.52	VERTICAL	Peak
4	4133.699	48.68	30.01	4.60	36.80	46.49	74.00	-27.51	VERTICAL	Peak
5	11490.000	41.57	39.90	8.41	37.15	52.73	74.00	-21.27	VERTICAL	Peak
6	17235.000	34.89	43.01	10.08	35.33	52.65	68.20	-15.55	VERTICAL	Peak

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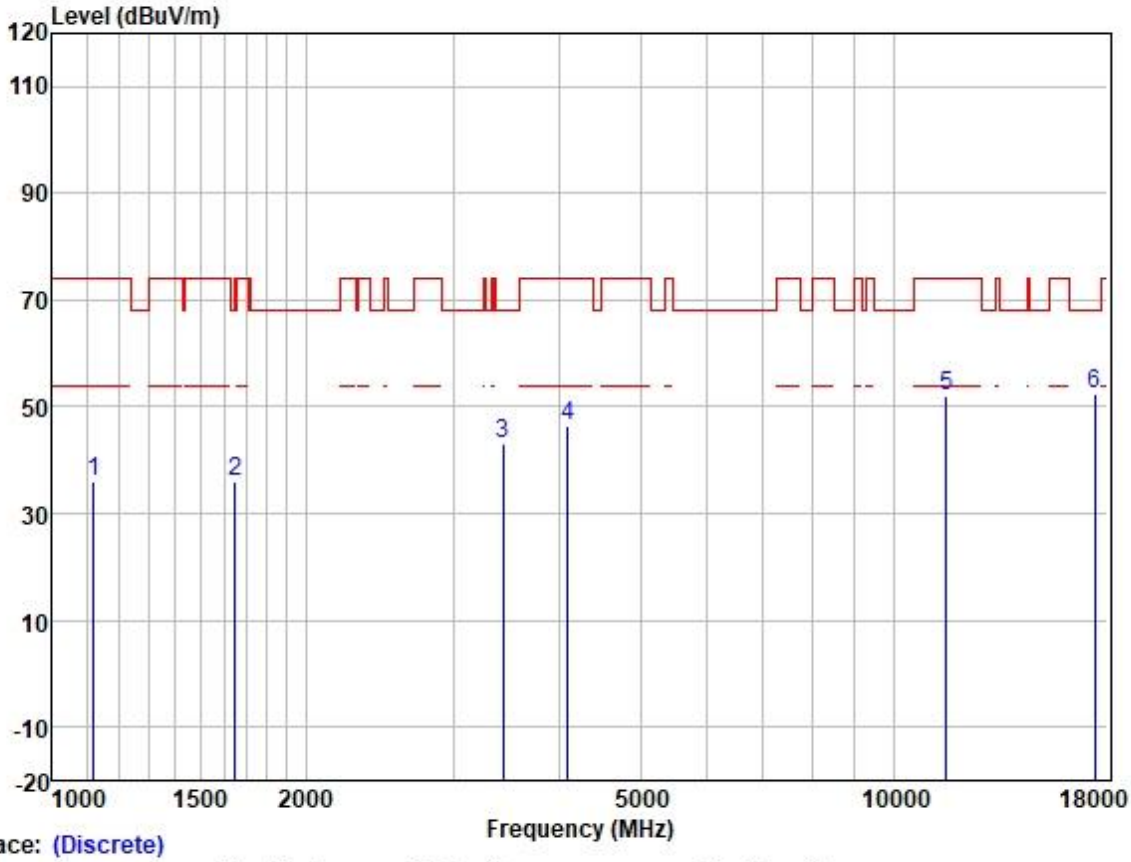
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1119.323	47.91	24.41	2.24	38.43	36.13	74.00	-37.87	HORIZONTAL	Peak
2	1648.778	45.39	25.63	2.80	37.93	35.89	68.20	-32.31	HORIZONTAL	Peak
3	3435.590	46.97	28.87	4.16	36.97	43.03	68.20	-25.17	HORIZONTAL	Peak
4	4098.010	48.69	29.94	4.60	36.80	46.43	74.00	-27.57	HORIZONTAL	Peak
5	11570.000	41.10	39.78	8.38	37.14	52.12	74.00	-21.88	HORIZONTAL	Peak
6	17355.000	34.04	43.40	10.39	35.32	52.51	68.20	-15.69	HORIZONTAL	Peak

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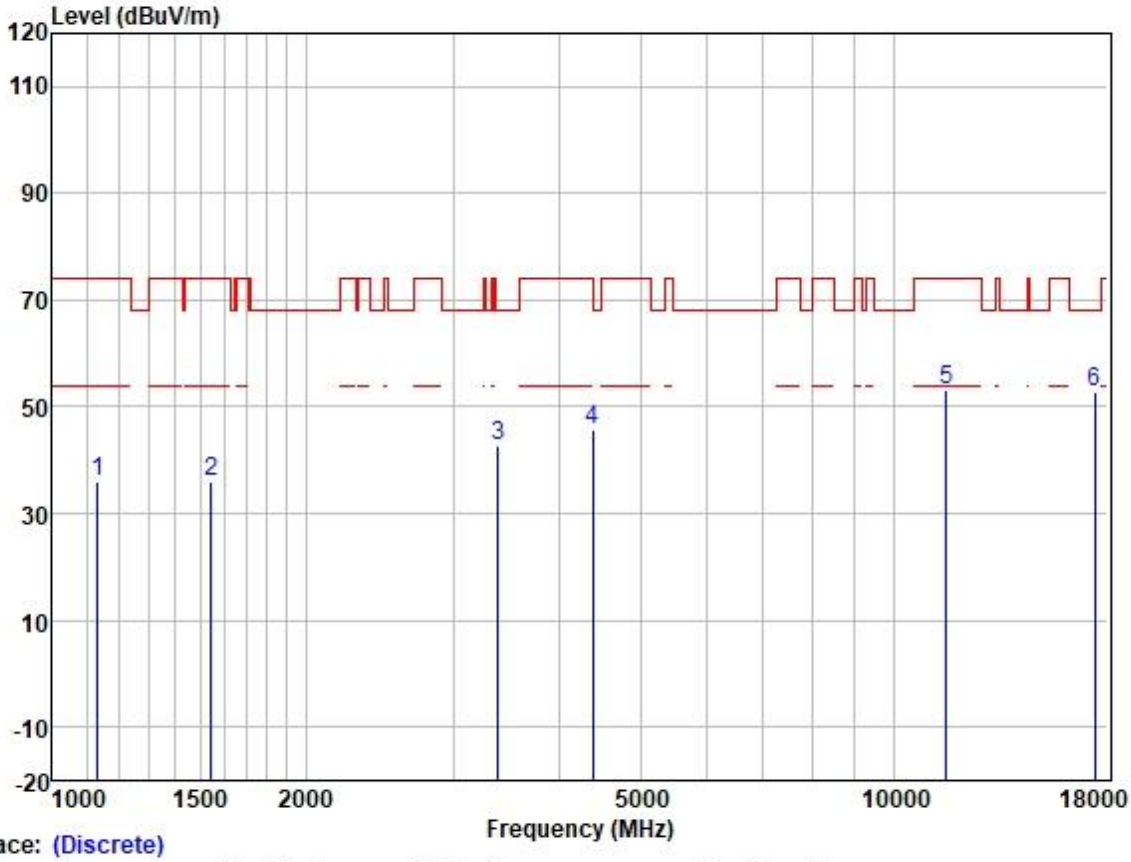
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	47.83	24.44	2.22	38.43	36.06	74.00	-37.94	VERTICAL	Peak
2	1542.733	45.78	25.53	2.80	38.03	36.08	74.00	-37.92	VERTICAL	Peak
3	3386.297	46.76	28.83	4.10	36.99	42.70	68.20	-25.50	VERTICAL	Peak
4	4392.376	47.20	30.66	4.70	36.81	45.75	74.00	-28.25	VERTICAL	Peak
5	11570.000	42.28	39.78	8.38	37.14	53.30	74.00	-20.70	VERTICAL	Peak
6	17355.000	34.46	43.40	10.39	35.32	52.93	68.20	-15.27	VERTICAL	Peak

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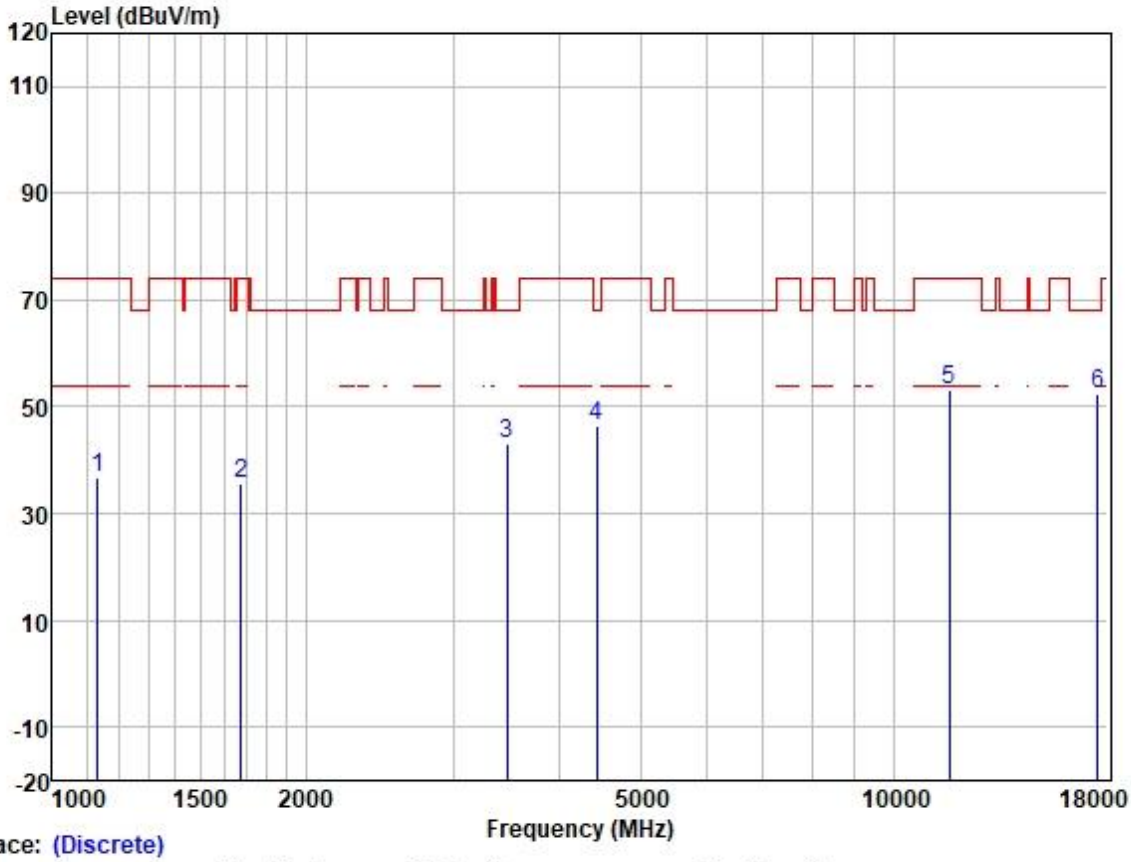
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna 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	1132.340	48.66	24.44	2.22	38.43	36.89	74.00	-37.11	HORIZONTAL	Peak
2	1677.621	44.96	25.68	2.80	37.91	35.53	74.00	-38.47	HORIZONTAL	Peak
3	3475.541	46.73	28.89	4.25	36.95	42.92	68.20	-25.28	HORIZONTAL	Peak
4	4443.453	47.62	30.73	4.83	36.81	46.37	68.20	-21.83	HORIZONTAL	Peak
5	11650.000	42.12	39.65	8.35	37.13	52.99	74.00	-21.01	HORIZONTAL	Peak
6	17475.000	32.91	43.90	10.77	35.32	52.26	68.20	-15.94	HORIZONTAL	Peak

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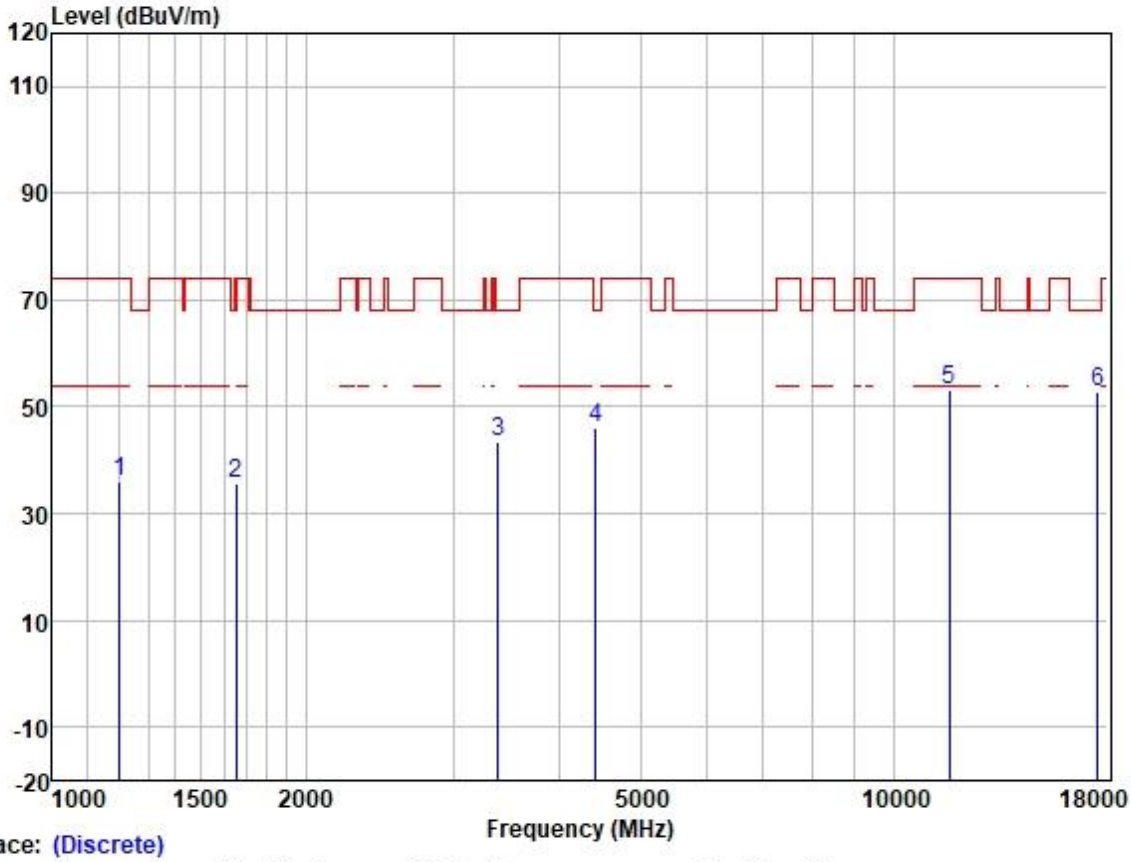
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1203.199	47.38	24.70	2.34	38.39	36.03	74.00	-37.97	VERTICAL	Peak
2	1653.550	45.12	25.64	2.80	37.93	35.63	68.20	-32.57	VERTICAL	Peak
3	3386.297	47.44	28.83	4.10	36.99	43.38	68.20	-24.82	VERTICAL	Peak
4	4430.628	47.46	30.72	4.78	36.81	46.15	68.20	-22.05	VERTICAL	Peak
5	11650.000	42.25	39.65	8.35	37.13	53.12	74.00	-20.88	VERTICAL	Peak
6	17475.000	33.41	43.90	10.77	35.32	52.76	68.20	-15.44	VERTICAL	Peak

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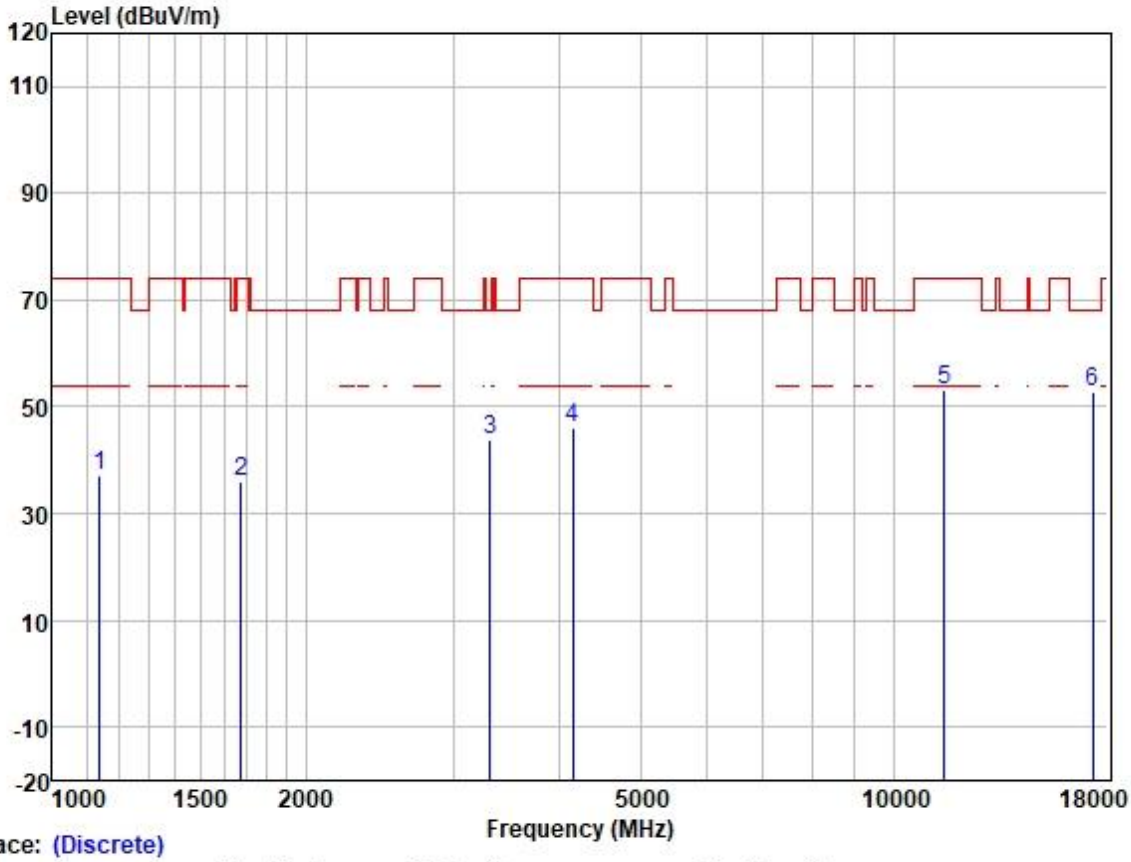
Member of the SGS Group (SGS SA)

Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	48.64	24.46	2.27	38.42	36.95	74.00	-37.05	HORIZONTAL	Peak
2	1677.621	45.52	25.68	2.80	37.91	36.09	74.00	-37.91	HORIZONTAL	Peak
3	3318.471	48.06	28.77	4.07	37.02	43.88	68.20	-24.32	HORIZONTAL	Peak
4	4157.664	48.22	30.06	4.60	36.80	46.08	74.00	-27.92	HORIZONTAL	Peak
5	11510.000	41.97	39.90	8.41	37.15	53.13	74.00	-20.87	HORIZONTAL	Peak
6	17265.000	34.73	43.21	10.24	35.33	52.85	68.20	-15.35	HORIZONTAL	Peak

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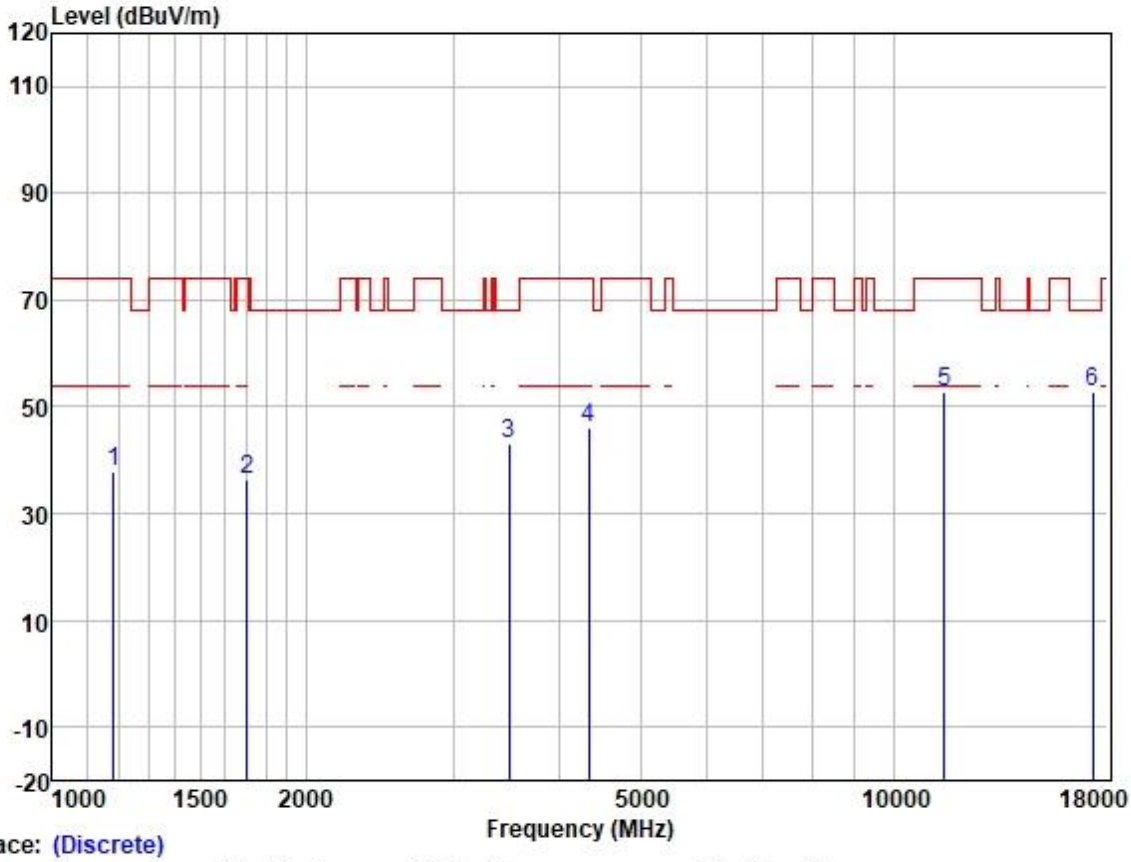
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1182.513	49.30	24.60	2.37	38.40	37.87	74.00	-36.13	VERTICAL	Peak
2	1702.042	45.82	25.72	2.80	37.89	36.45	74.00	-37.55	VERTICAL	Peak
3	3495.691	46.65	28.90	4.30	36.94	42.91	68.20	-25.29	VERTICAL	Peak
4	4341.886	47.75	30.57	4.67	36.81	46.18	74.00	-27.82	VERTICAL	Peak
5	11510.000	41.68	39.90	8.41	37.15	52.84	74.00	-21.16	VERTICAL	Peak
6	17265.000	34.67	43.21	10.24	35.33	52.79	68.20	-15.41	VERTICAL	Peak

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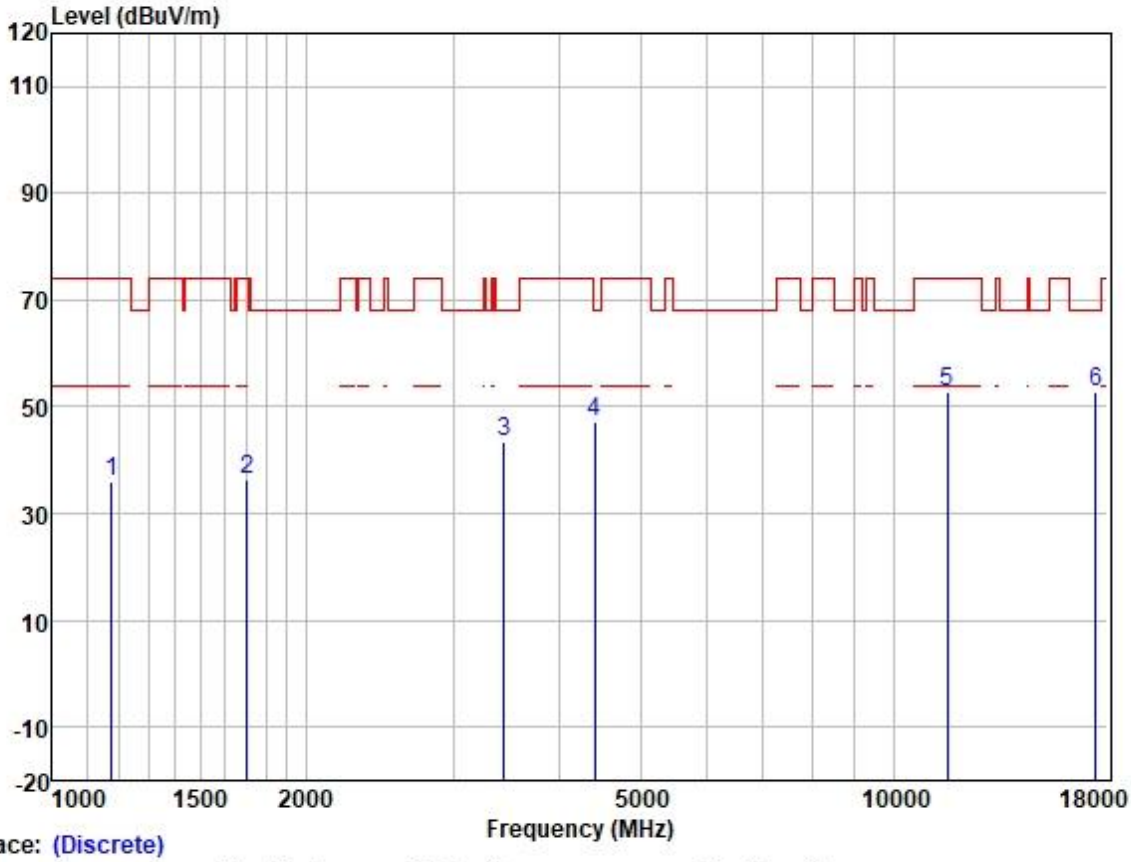
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1175.697	47.49	24.58	2.38	38.40	36.05	74.00	-37.95	HORIZONTAL	Peak
2	1702.042	45.63	25.72	2.80	37.89	36.26	74.00	-37.74	HORIZONTAL	Peak
3	3445.535	47.28	28.87	4.18	36.96	43.37	68.20	-24.83	HORIZONTAL	Peak
4	4417.841	48.47	30.70	4.74	36.81	47.10	68.20	-21.10	HORIZONTAL	Peak
5	11590.000	41.67	39.72	8.37	37.14	52.62	74.00	-21.38	HORIZONTAL	Peak
6	17385.000	33.91	43.57	10.53	35.32	52.69	68.20	-15.51	HORIZONTAL	Peak

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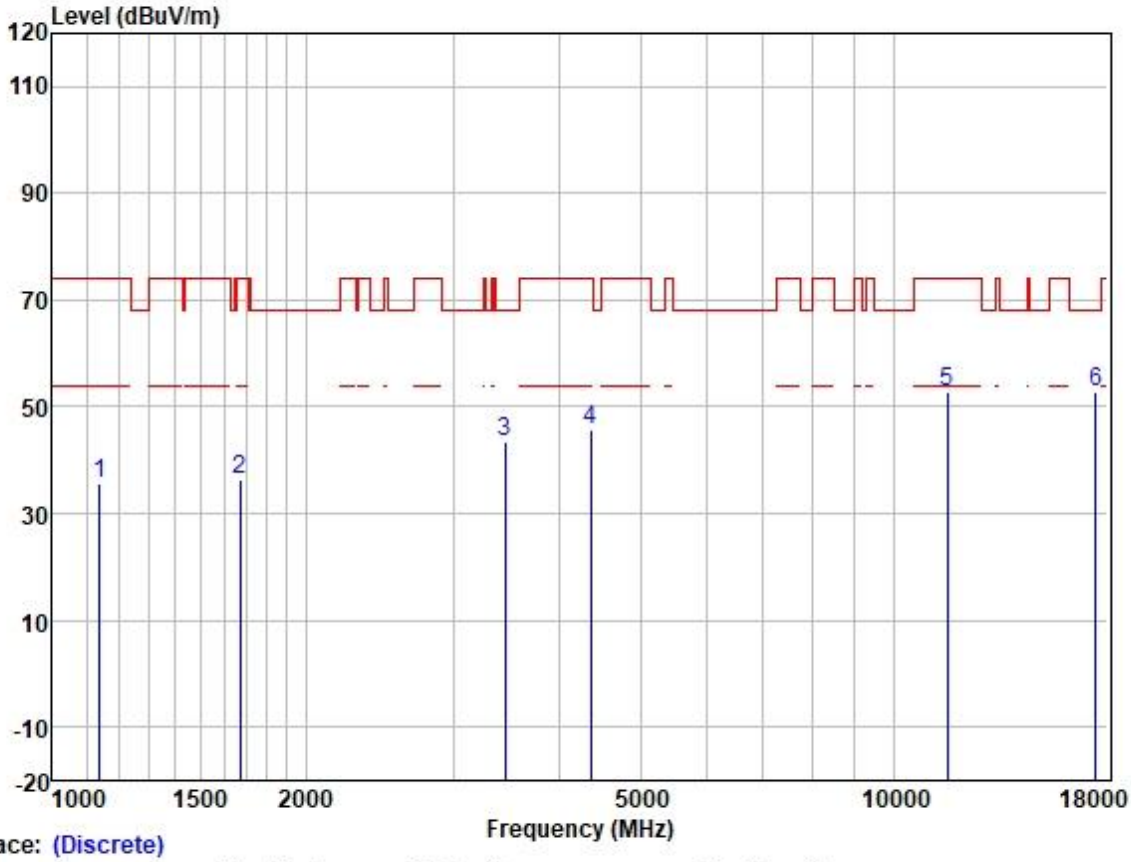
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.48	24.46	2.27	38.42	35.79	74.00	-38.21	VERTICAL	Peak
2	1672.779	45.69	25.67	2.80	37.91	36.25	74.00	-37.75	VERTICAL	Peak
3	3455.508	47.48	28.88	4.20	36.96	43.60	68.20	-24.60	VERTICAL	Peak
4	4367.058	47.36	30.62	4.68	36.81	45.85	74.00	-28.15	VERTICAL	Peak
5	11590.000	41.92	39.72	8.37	37.14	52.87	74.00	-21.13	VERTICAL	Peak
6	17385.000	34.07	43.57	10.53	35.32	52.85	68.20	-15.35	VERTICAL	Peak

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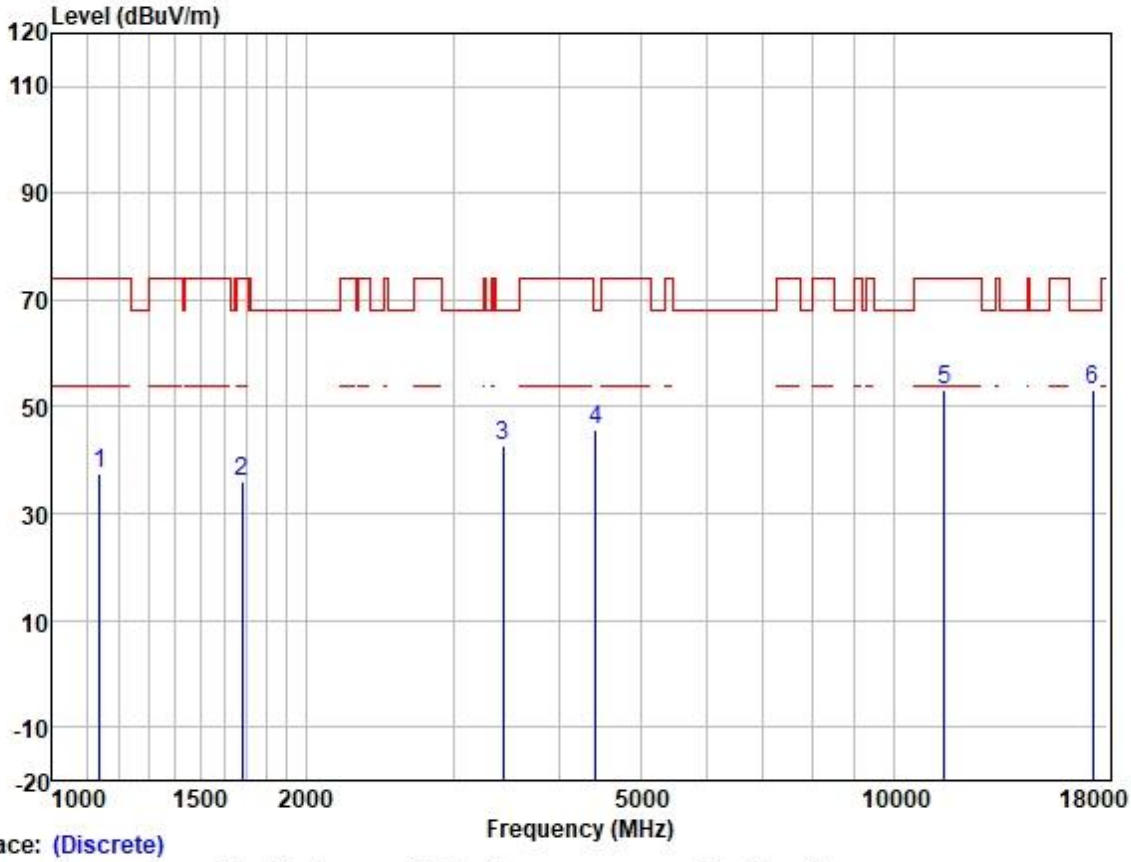
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	49.13	24.46	2.27	38.42	37.44	74.00	-36.56	HORIZONTAL	Peak
2	1682.477	45.30	25.68	2.80	37.91	35.87	74.00	-38.13	HORIZONTAL	Peak
3	3435.590	46.58	28.87	4.16	36.97	42.64	68.20	-25.56	HORIZONTAL	Peak
4	4430.628	47.10	30.72	4.78	36.81	45.79	68.20	-22.41	HORIZONTAL	Peak
5	11490.000	42.02	39.90	8.41	37.15	53.18	74.00	-20.82	HORIZONTAL	Peak
6	17235.000	35.44	43.01	10.08	35.33	53.20	68.20	-15.00	HORIZONTAL	Peak

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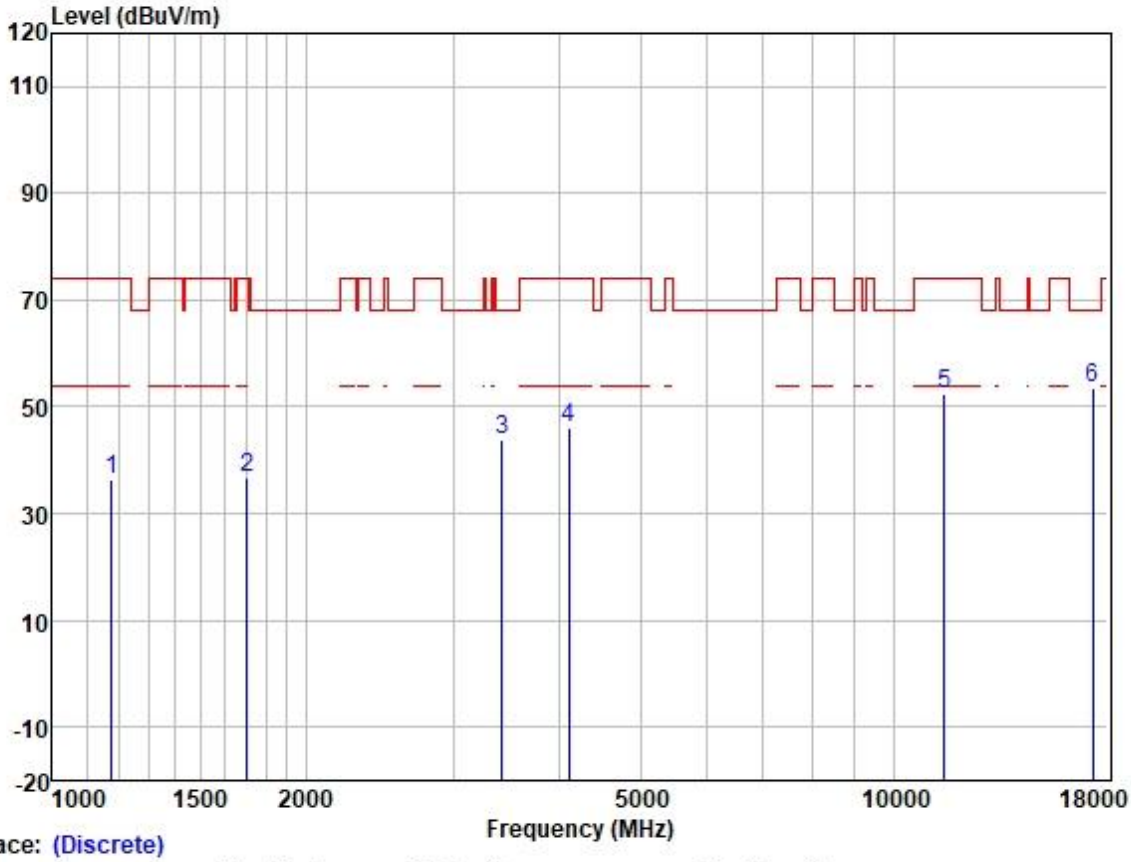
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1175.697	47.72	24.58	2.38	38.40	36.28	74.00	-37.72	VERTICAL	Peak
2	1702.042	46.05	25.72	2.80	37.89	36.68	74.00	-37.32	VERTICAL	Peak
3	3425.675	47.77	28.86	4.15	36.97	43.81	68.20	-24.39	VERTICAL	Peak
4	4109.872	48.25	29.96	4.60	36.80	46.01	74.00	-27.99	VERTICAL	Peak
5	11490.000	41.32	39.90	8.41	37.15	52.48	74.00	-21.52	VERTICAL	Peak
6	17235.000	35.67	43.01	10.08	35.33	53.43	68.20	-14.77	VERTICAL	Peak

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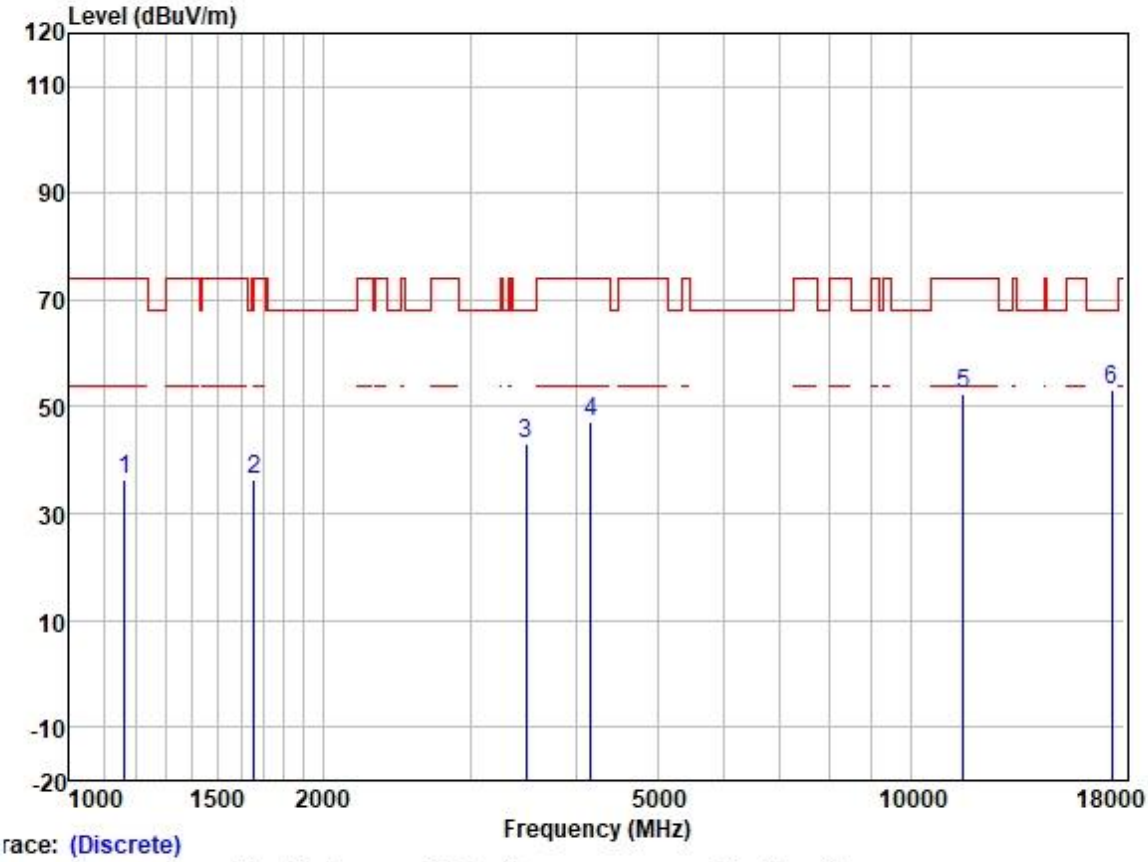
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1162.182	47.98	24.53	2.40	38.42	36.49	74.00	-37.51	HORIZONTAL	Peak
2	1658.337	45.67	25.65	2.80	37.93	36.19	68.20	-32.01	HORIZONTAL	Peak
3	3495.691	46.75	28.90	4.30	36.94	43.01	68.20	-25.19	HORIZONTAL	Peak
4	4169.698	49.18	30.09	4.60	36.80	47.07	74.00	-26.93	HORIZONTAL	Peak
5	11570.000	41.45	39.78	8.38	37.14	52.47	74.00	-21.53	HORIZONTAL	Peak
6	17355.000	34.62	43.40	10.39	35.32	53.09	68.20	-15.11	HORIZONTAL	Peak

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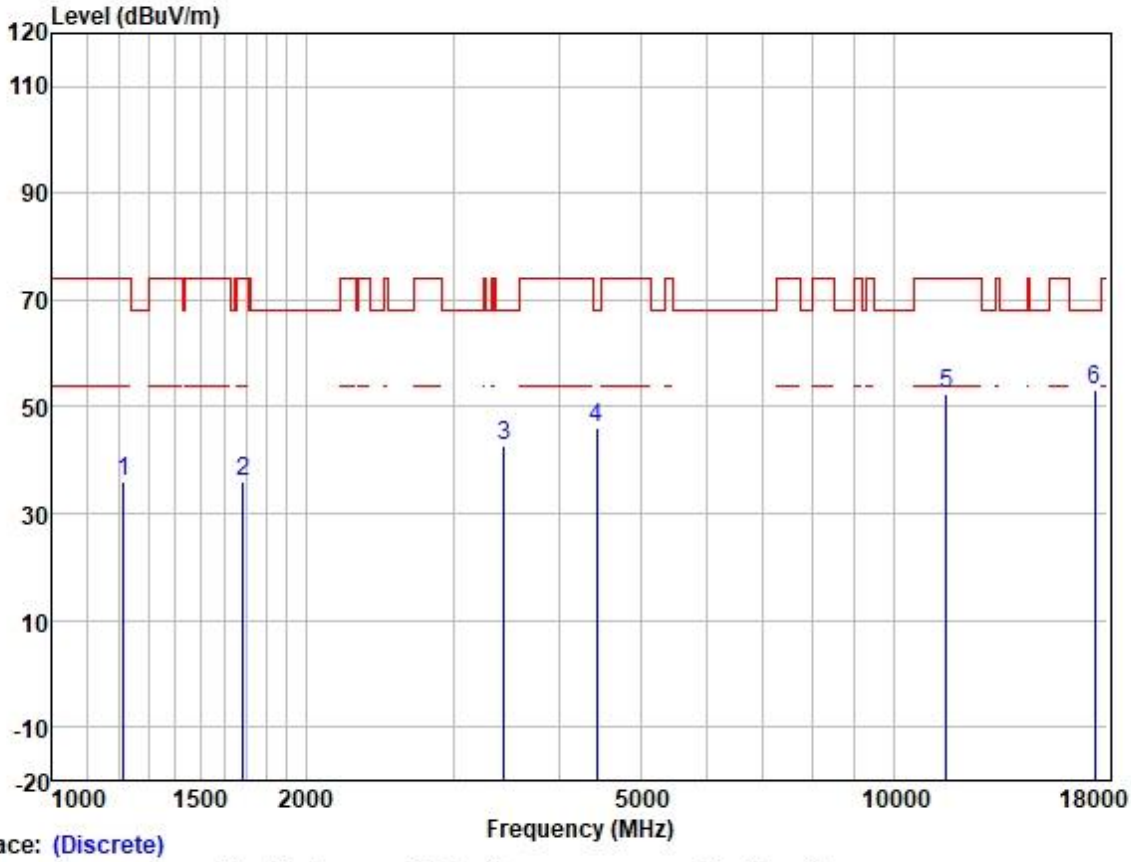
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1213.677	47.17	24.77	2.32	38.37	35.89	74.00	-38.11	VERTICAL	Peak
2	1687.347	45.48	25.69	2.80	37.91	36.06	74.00	-37.94	VERTICAL	Peak
3	3445.535	46.56	28.87	4.18	36.96	42.65	68.20	-25.55	VERTICAL	Peak
4	4443.453	47.39	30.73	4.83	36.81	46.14	68.20	-22.06	VERTICAL	Peak
5	11570.000	41.51	39.78	8.38	37.14	52.53	74.00	-21.47	VERTICAL	Peak
6	17355.000	34.59	43.40	10.39	35.32	53.06	68.20	-15.14	VERTICAL	Peak

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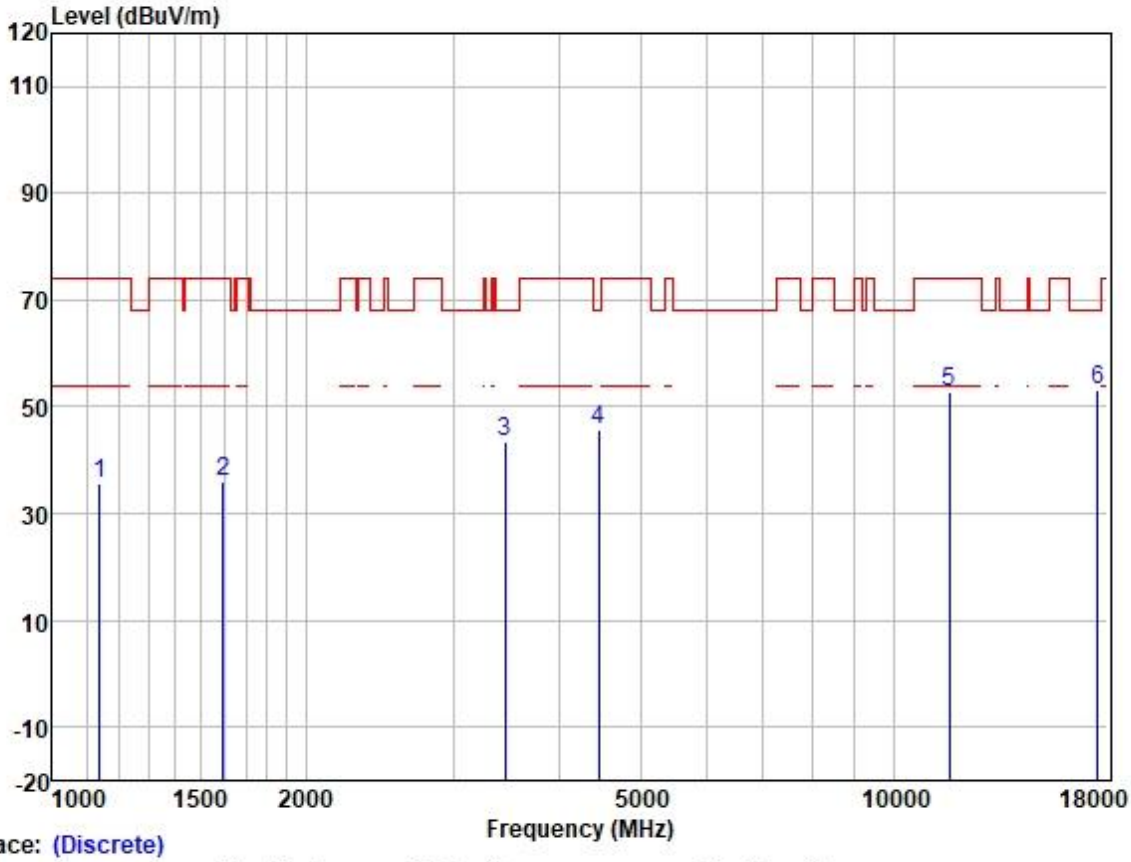
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.22	24.46	2.27	38.42	35.53	74.00	-38.47	HORIZONTAL	Peak
2	1597.181	45.78	25.58	2.80	37.98	36.18	74.00	-37.82	HORIZONTAL	Peak
3	3455.508	47.24	28.88	4.20	36.96	43.36	68.20	-24.84	HORIZONTAL	Peak
4	4456.315	46.97	30.75	4.88	36.81	45.79	68.20	-22.41	HORIZONTAL	Peak
5	11650.000	42.00	39.65	8.35	37.13	52.87	74.00	-21.13	HORIZONTAL	Peak
6	17475.000	33.81	43.90	10.77	35.32	53.16	68.20	-15.04	HORIZONTAL	Peak

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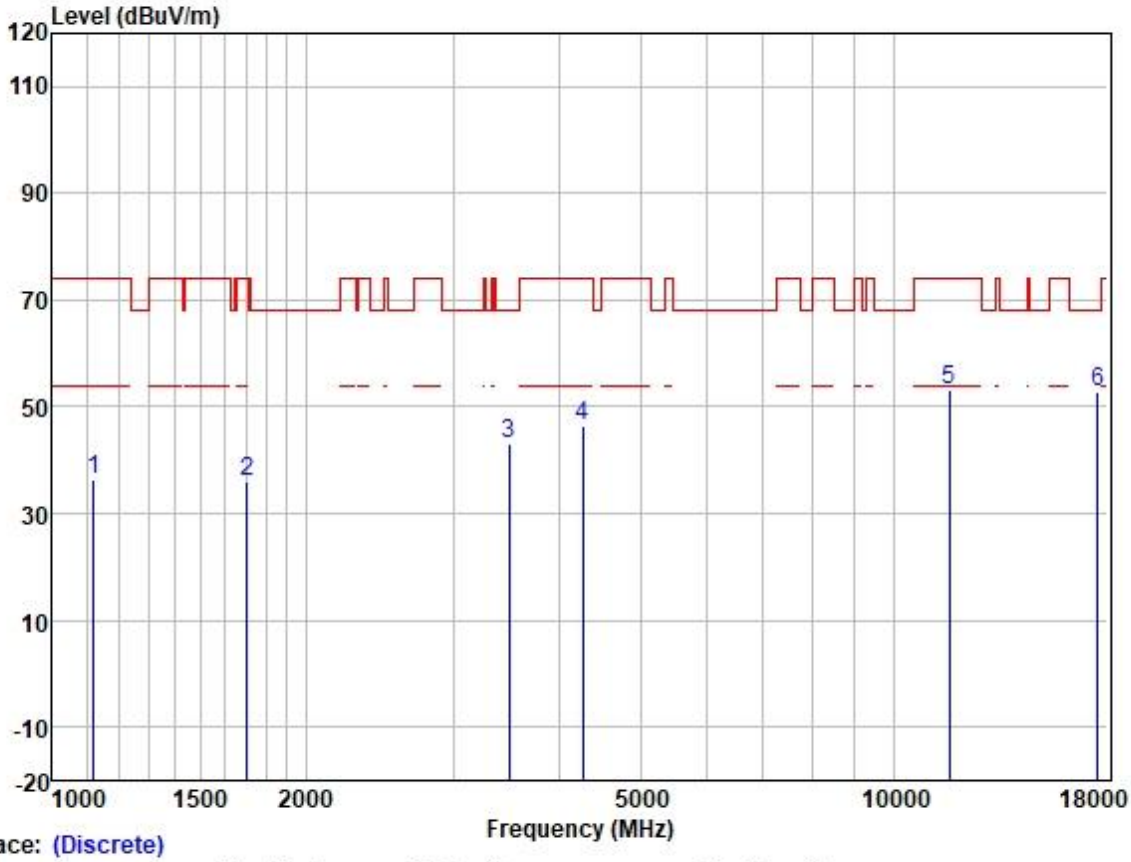
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1119.323	48.25	24.41	2.24	38.43	36.47	74.00	-37.53	VERTICAL	Peak
2	1702.042	45.25	25.72	2.80	37.89	35.88	74.00	-38.12	VERTICAL	Peak
3	3495.691	46.89	28.90	4.30	36.94	43.15	68.20	-25.05	VERTICAL	Peak
4	4267.237	48.13	30.38	4.63	36.81	46.33	74.00	-27.67	VERTICAL	Peak
5	11650.000	42.23	39.65	8.35	37.13	53.10	74.00	-20.90	VERTICAL	Peak
6	17475.000	33.59	43.90	10.77	35.32	52.94	68.20	-15.26	VERTICAL	Peak

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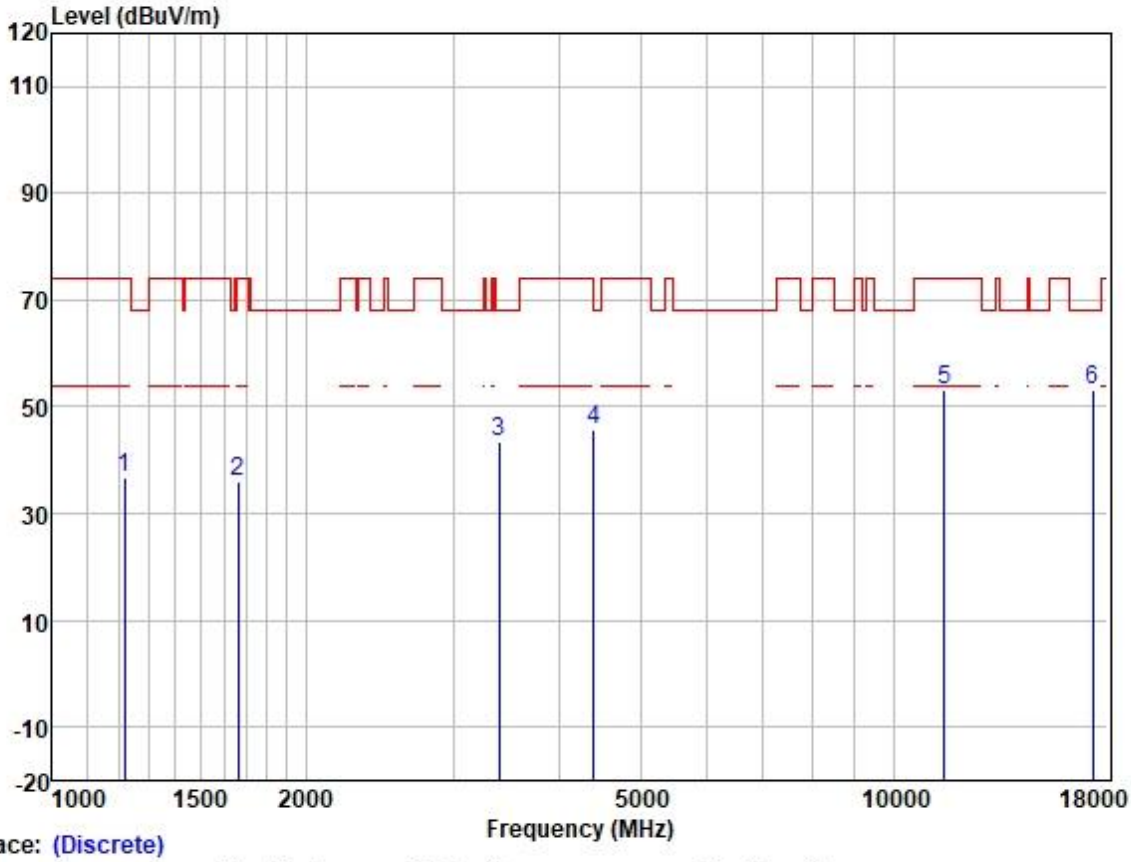
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1217.190	47.86	24.79	2.32	38.37	36.60	74.00	-37.40	HORIZONTAL	Peak
2	1663.137	45.53	25.65	2.80	37.91	36.07	74.00	-37.93	HORIZONTAL	Peak
3	3396.098	47.39	28.84	4.10	36.98	43.35	68.20	-24.85	HORIZONTAL	Peak
4	4405.090	47.11	30.68	4.70	36.81	45.68	68.20	-22.52	HORIZONTAL	Peak
5	11510.000	41.92	39.90	8.41	37.15	53.08	74.00	-20.92	HORIZONTAL	Peak
6	17265.000	34.95	43.21	10.24	35.33	53.07	68.20	-15.13	HORIZONTAL	Peak

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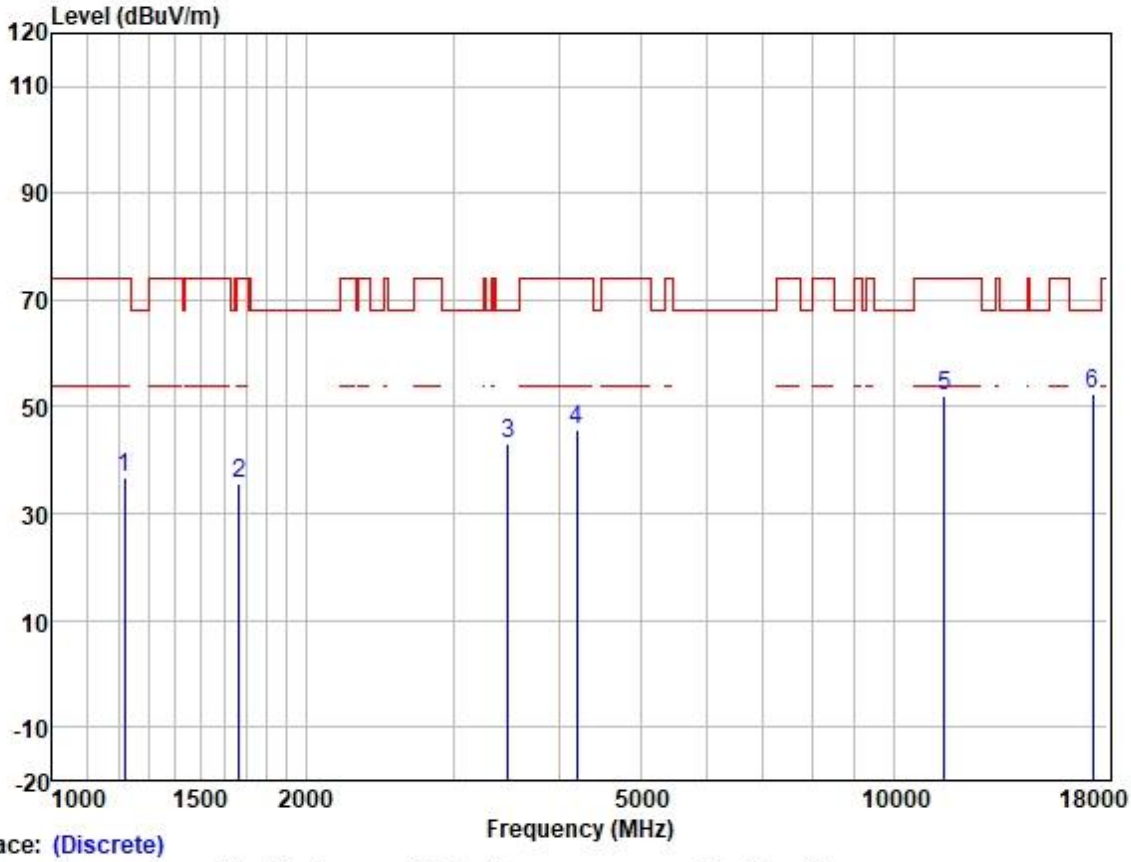
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	1217.190	48.00	24.79	2.32	38.37	36.74	74.00	-37.26	VERTICAL	Peak
2	1667.951	45.14	25.66	2.80	37.91	35.69	74.00	-38.31	VERTICAL	Peak
3	3485.601	46.87	28.89	4.27	36.95	43.08	68.20	-25.12	VERTICAL	Peak
4	4206.011	47.72	30.18	4.60	36.81	45.69	74.00	-28.31	VERTICAL	Peak
5	11510.000	40.85	39.90	8.41	37.15	52.01	74.00	-21.99	VERTICAL	Peak
6	17265.000	34.19	43.21	10.24	35.33	52.31	68.20	-15.89	VERTICAL	Peak

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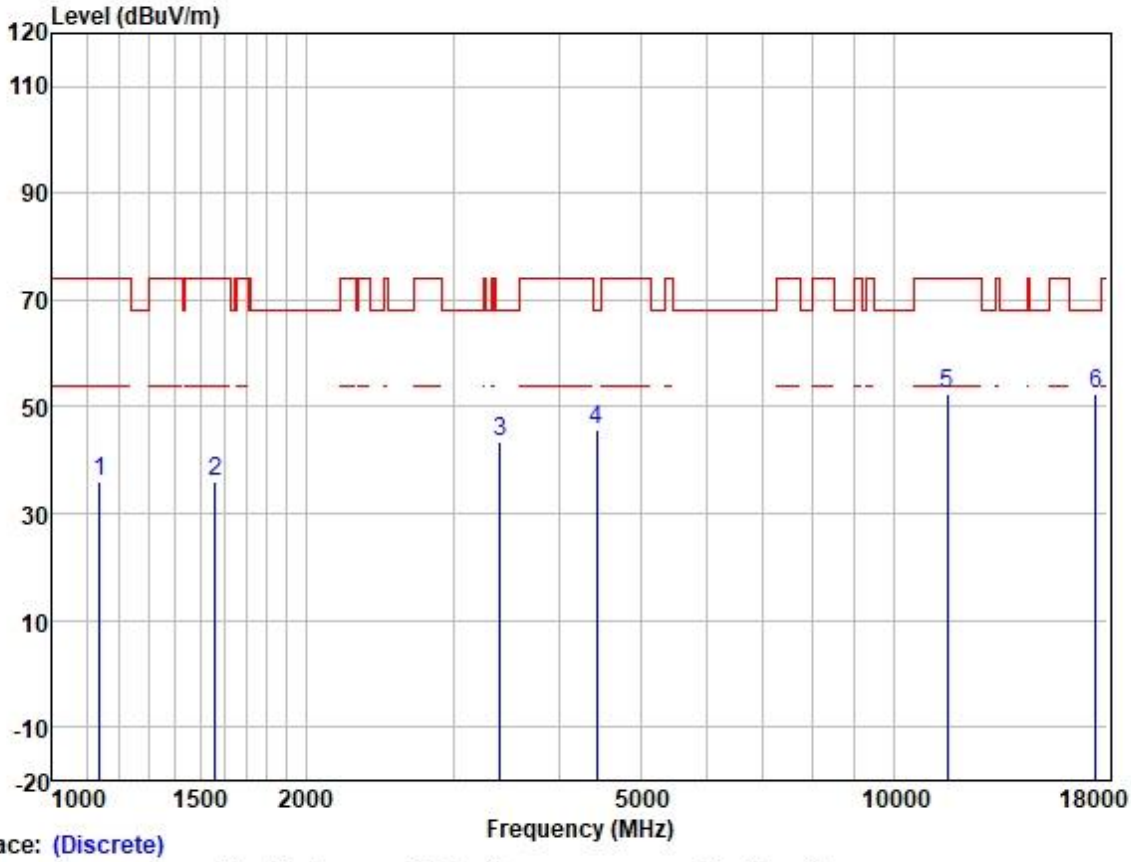
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1138.904	47.83	24.46	2.27	38.42	36.14	74.00	-37.86	HORIZONTAL	Peak
2	1560.673	45.81	25.54	2.80	38.03	36.12	74.00	-37.88	HORIZONTAL	Peak
3	3405.929	47.50	28.85	4.11	36.98	43.48	68.20	-24.72	HORIZONTAL	Peak
4	4443.453	47.06	30.73	4.83	36.81	45.81	68.20	-22.39	HORIZONTAL	Peak
5	11590.000	41.51	39.72	8.37	37.14	52.46	74.00	-21.54	HORIZONTAL	Peak
6	17385.000	33.81	43.57	10.53	35.32	52.59	68.20	-15.61	HORIZONTAL	Peak

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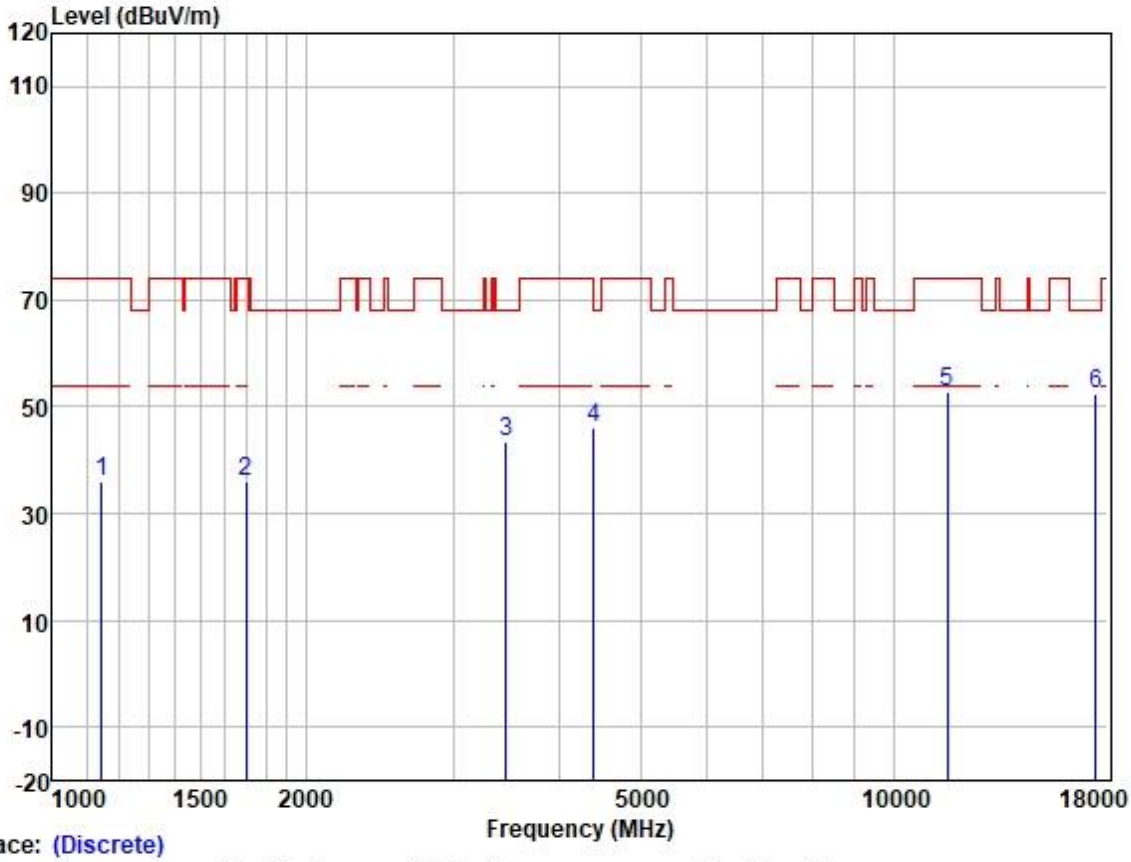
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna 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	1145.507	47.44	24.48	2.32	38.42	35.82	74.00	-38.18	VERTICAL	Peak
2	1697.129	45.52	25.71	2.80	37.89	36.14	74.00	-37.86	VERTICAL	Peak
3	3465.510	47.21	28.88	4.22	36.95	43.36	68.20	-24.84	VERTICAL	Peak
4	4405.090	47.42	30.68	4.70	36.81	45.99	68.20	-22.21	VERTICAL	Peak
5	11590.000	41.94	39.72	8.37	37.14	52.89	74.00	-21.11	VERTICAL	Peak
6	17385.000	33.55	43.57	10.53	35.32	52.33	68.20	-15.87	VERTICAL	Peak

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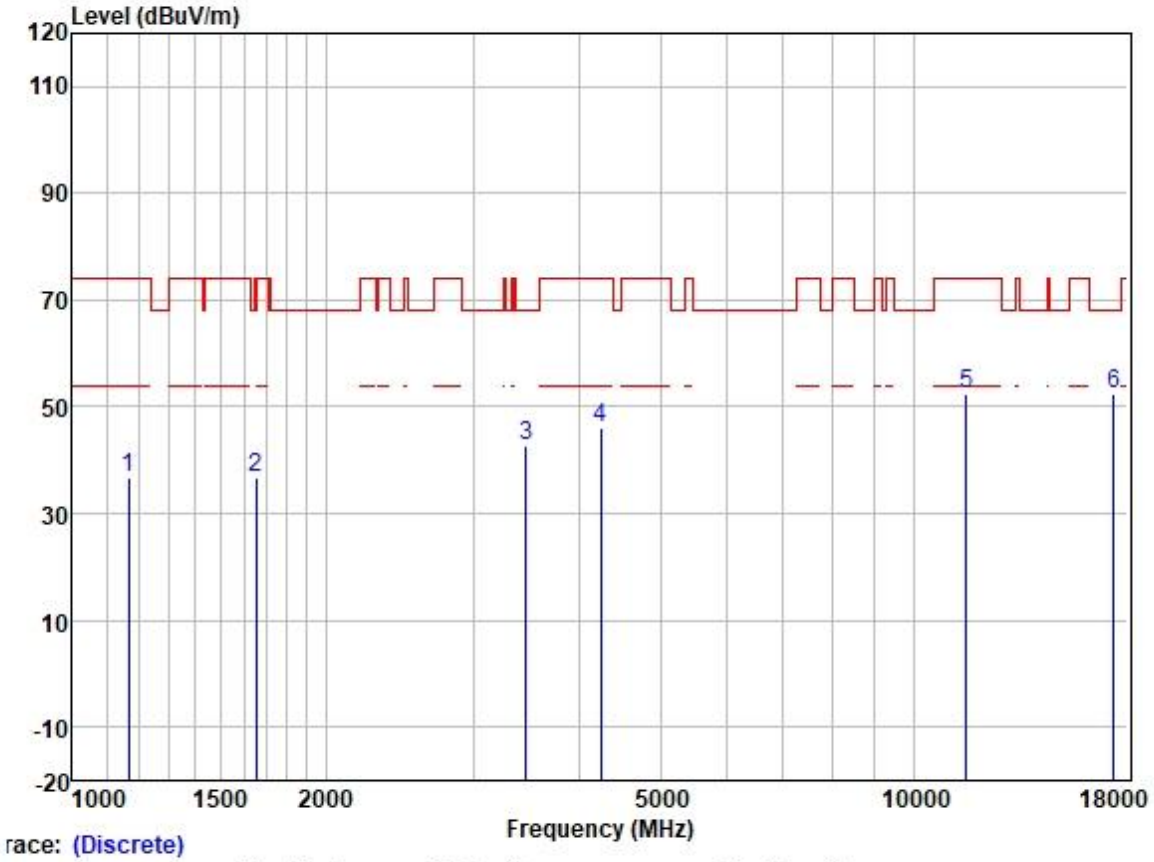
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1165.546	48.32	24.54	2.39	38.40	36.85	74.00	-37.15	HORIZONTAL	Peak
2	1653.550	46.06	25.64	2.80	37.93	36.57	68.20	-31.63	HORIZONTAL	Peak
3	3465.510	46.65	28.88	4.22	36.95	42.80	68.20	-25.40	HORIZONTAL	Peak
4	4242.641	47.97	30.30	4.62	36.81	46.08	74.00	-27.92	HORIZONTAL	Peak
5	11550.000	41.36	39.84	8.40	37.14	52.46	74.00	-21.54	HORIZONTAL	Peak
6	17325.000	33.96	43.40	10.39	35.32	52.43	68.20	-15.77	HORIZONTAL	Peak

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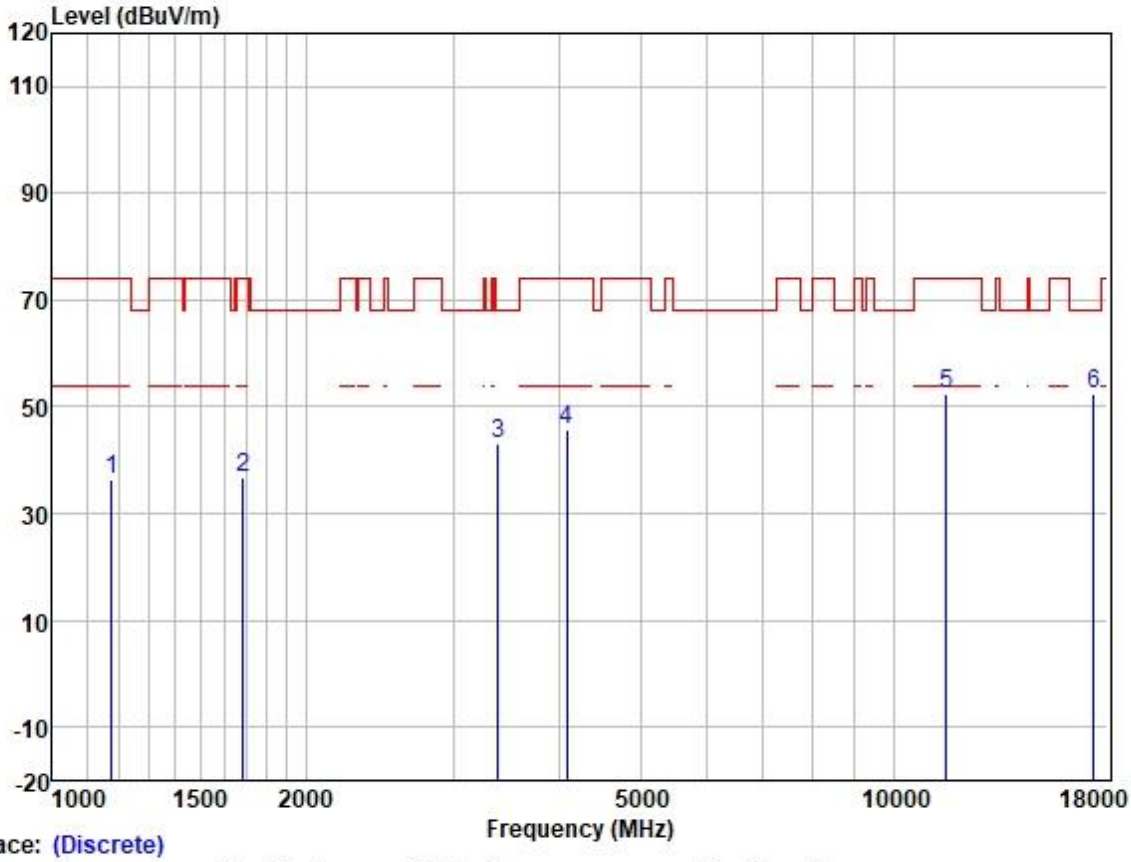
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna 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	1175.697	47.74	24.58	2.38	38.40	36.30	74.00	-37.70	VERTICAL	Peak
2	1687.347	46.00	25.69	2.80	37.91	36.58	74.00	-37.42	VERTICAL	Peak
3	3386.297	47.15	28.83	4.10	36.99	43.09	68.20	-25.11	VERTICAL	Peak
4	4086.182	48.04	29.92	4.60	36.80	45.76	74.00	-28.24	VERTICAL	Peak
5	11550.000	41.41	39.84	8.40	37.14	52.51	74.00	-21.49	VERTICAL	Peak
6	17325.000	34.14	43.40	10.39	35.32	52.61	68.20	-15.59	VERTICAL	Peak

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7.9 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 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
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 22.7 °C Humidity: 52.5 % RH Atmospheric Pressure: 1008 mbar

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7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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	05	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	06	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	07	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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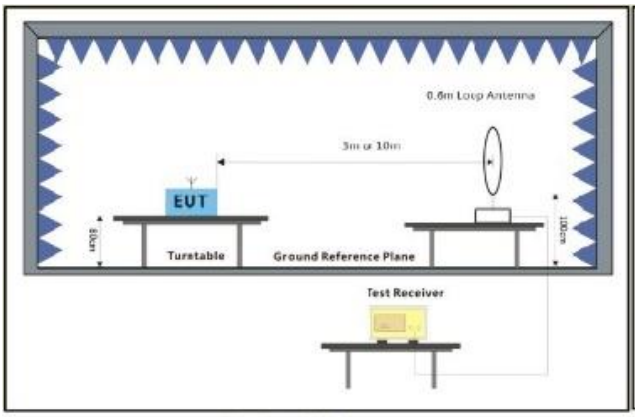
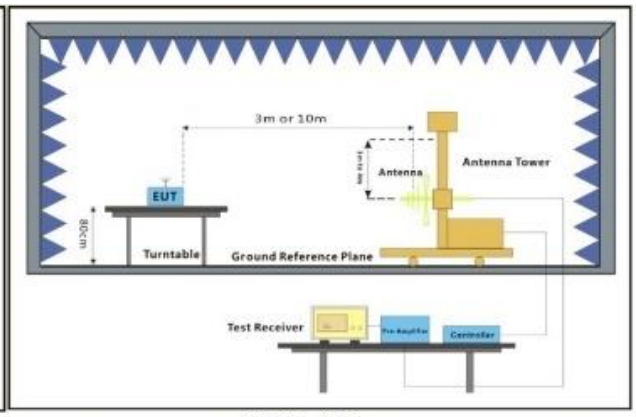
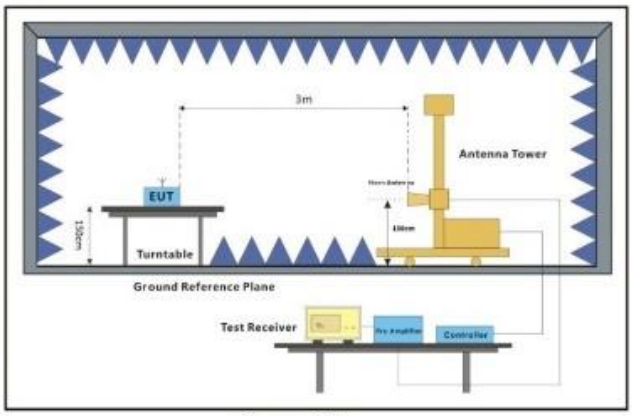
7.9.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

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7.9.4 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 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. 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.

d. 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.

e. 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.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. 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 peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. 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.

j. Repeat above procedures until all frequencies measured was complete.

Remark1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark2:

1). Pretest the EUT in 802.11a/ n(20)/ n(40)/ac (20)/ ac (40)/ ac(80) find the worst case are 802.11a /n(40)/ ac(80), only record the worst case test data 802.11a /n(40)/ ac(80) in this report.

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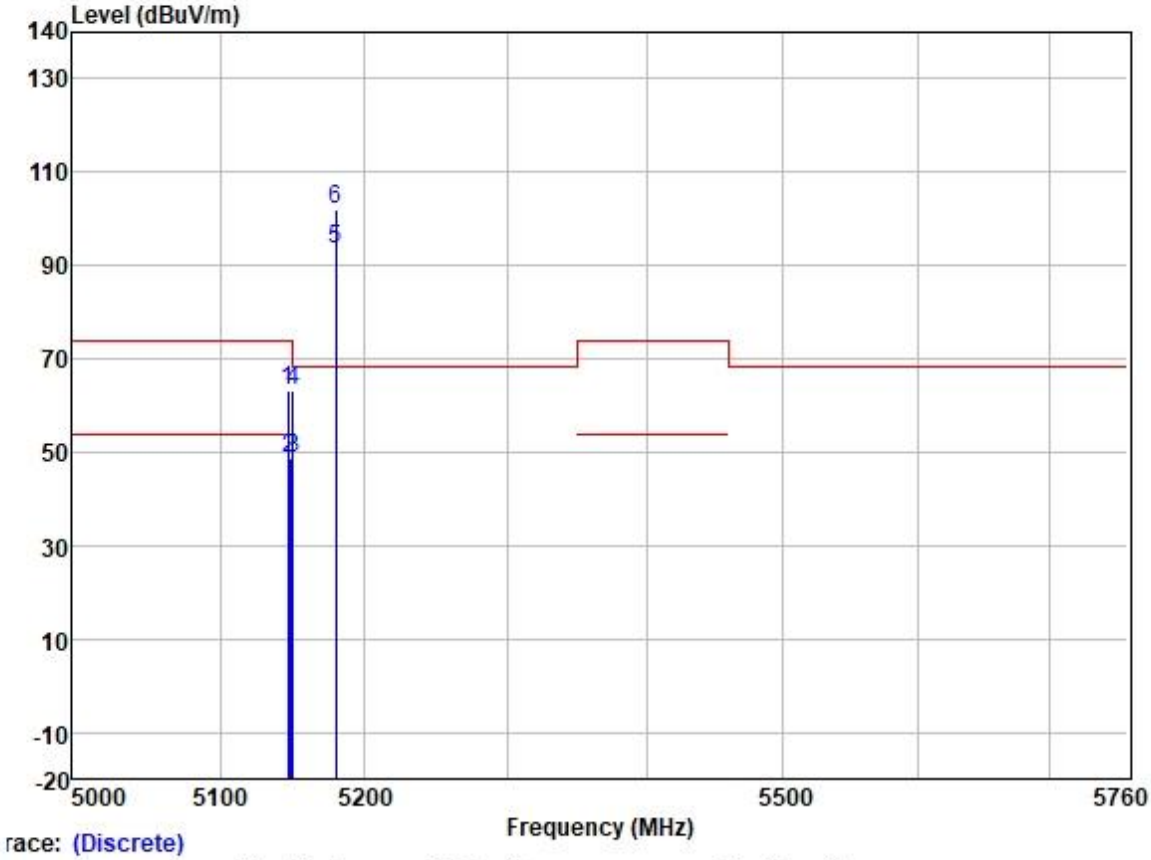
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

		Freq	ReadAntenna Level	Antenna 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		5146.658	62.69	31.72	5.62	36.86	63.17	74.00	-10.83	HORIZONTAL	Peak
2		5148.257	48.24	31.72	5.62	36.86	48.72	54.00	-5.28	HORIZONTAL	Average
3		5149.980	48.39	31.72	5.62	36.86	48.87	54.00	-5.13	HORIZONTAL	Average
4		5149.980	62.79	31.72	5.62	36.86	63.27	74.00	-10.73	HORIZONTAL	Peak
5		5180.000	92.84	31.73	5.61	36.87	93.31	------	------	HORIZONTAL	Average
6	*	5180.000	101.55	31.73	5.61	36.87	102.02	68.20	33.82	HORIZONTAL	Peak

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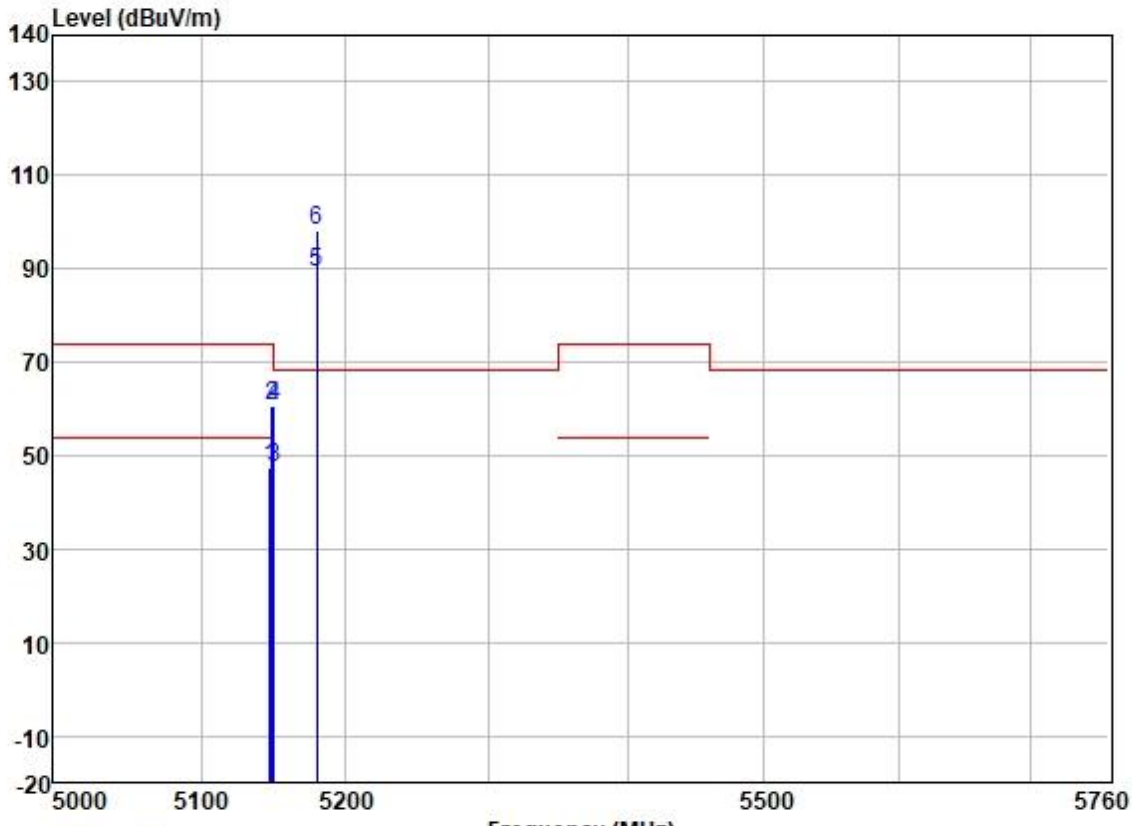
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna 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	5147.558	47.00	31.72	5.62	36.86	47.48	54.00	-6.52	VERTICAL	Average
2	5148.958	60.26	31.72	5.62	36.86	60.74	74.00	-13.26	VERTICAL	Peak
3	5149.980	47.00	31.72	5.62	36.86	47.48	54.00	-6.52	VERTICAL	Average
4	5149.980	60.04	31.72	5.62	36.86	60.52	74.00	-13.48	VERTICAL	Peak
5	5180.000	88.90	31.73	5.61	36.87	89.37	------	------	VERTICAL	Average
6 *	5180.000	97.62	31.73	5.61	36.87	98.09	68.20	29.89	VERTICAL	Peak

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