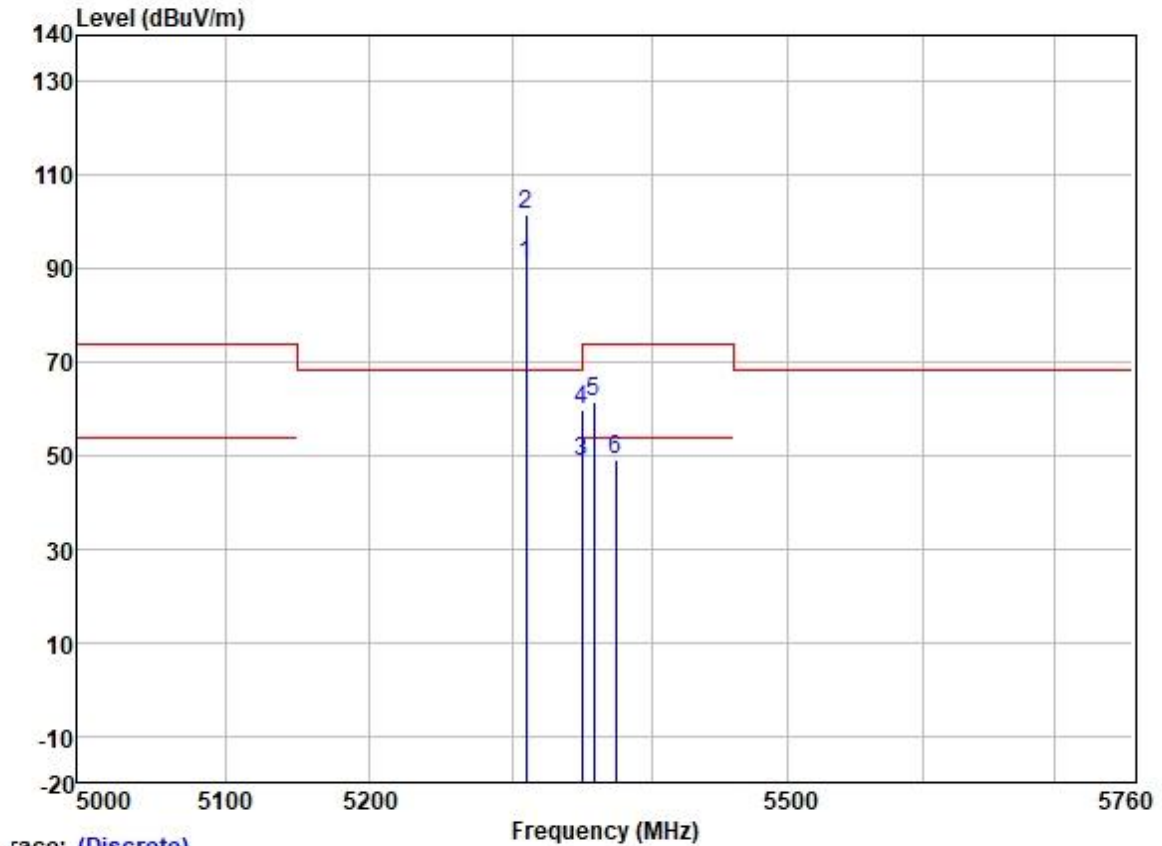


Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



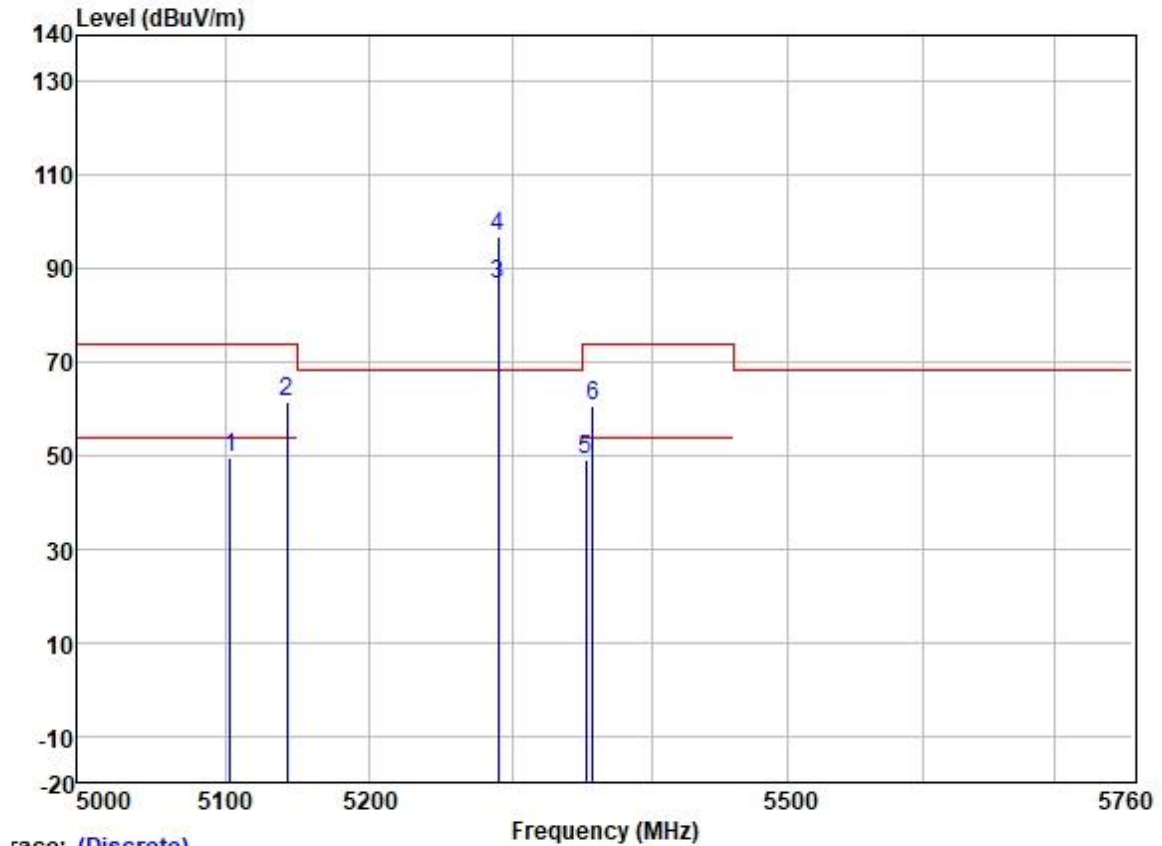
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5310.000	89.82	31.77	6.08	36.87	90.80	-----	-----	VERTICAL Average
2 *	5310.000	100.69	31.77	6.08	36.87	101.67	68.20	33.47	VERTICAL Peak
3	5350.020	47.86	31.77	6.05	36.88	48.80	54.00	-5.20	VERTICAL Average
4	5350.020	58.79	31.77	6.05	36.88	59.73	74.00	-14.27	VERTICAL Peak
5	5358.174	60.39	31.78	6.03	36.88	61.32	74.00	-12.68	VERTICAL Peak
6	5374.093	48.35	31.78	6.02	36.88	49.27	54.00	-4.73	VERTICAL Average



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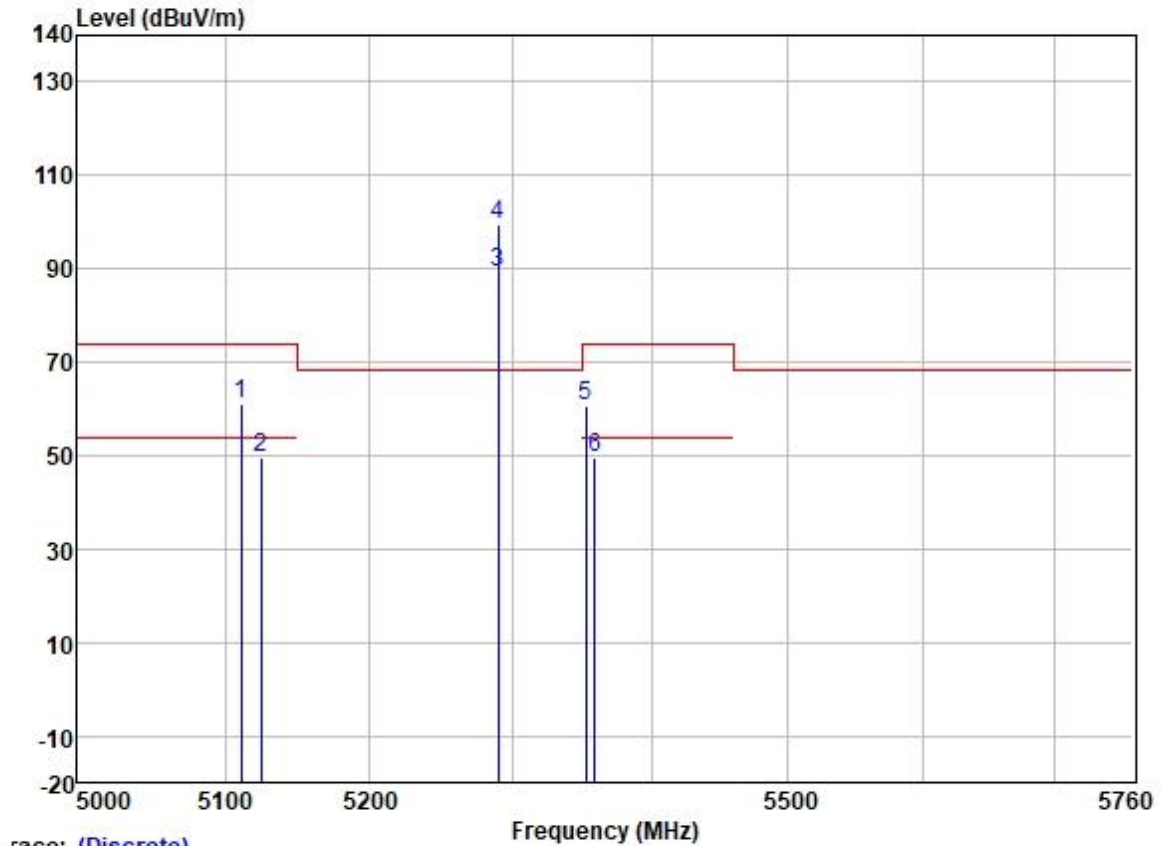
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



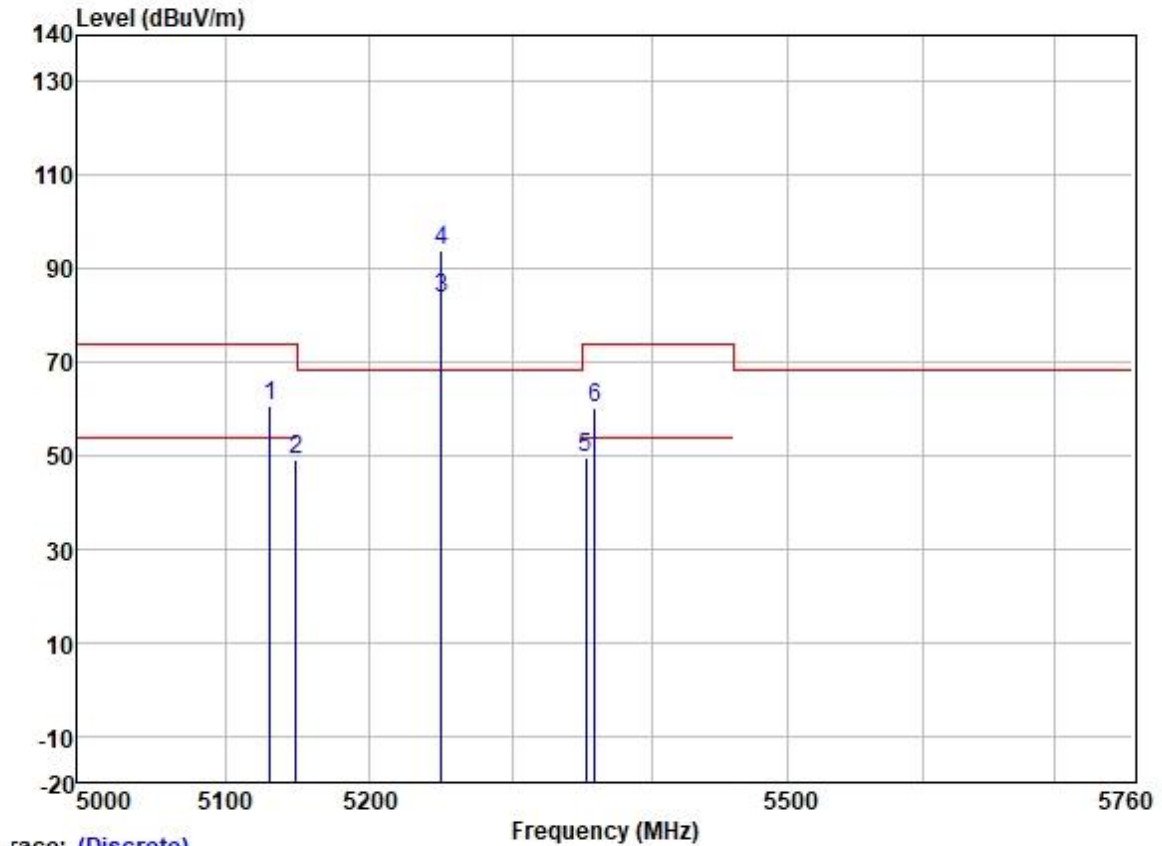
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5103.208	49.03	31.72	5.65	36.86	49.54	54.00	-4.46	HORIZONTAL Average
2	5142.150	60.83	31.72	5.62	36.86	61.31	74.00	-12.69	HORIZONTAL Peak
3	5290.000	85.72	31.76	6.00	36.87	86.61	-----	-----	HORIZONTAL Average
4 *	5290.000	95.89	31.76	6.00	36.87	96.78	68.20	28.58	HORIZONTAL Peak
5	5352.676	48.36	31.77	6.05	36.88	49.30	54.00	-4.70	HORIZONTAL Average
6	5357.879	59.71	31.78	6.03	36.88	60.64	74.00	-13.36	HORIZONTAL Peak

Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



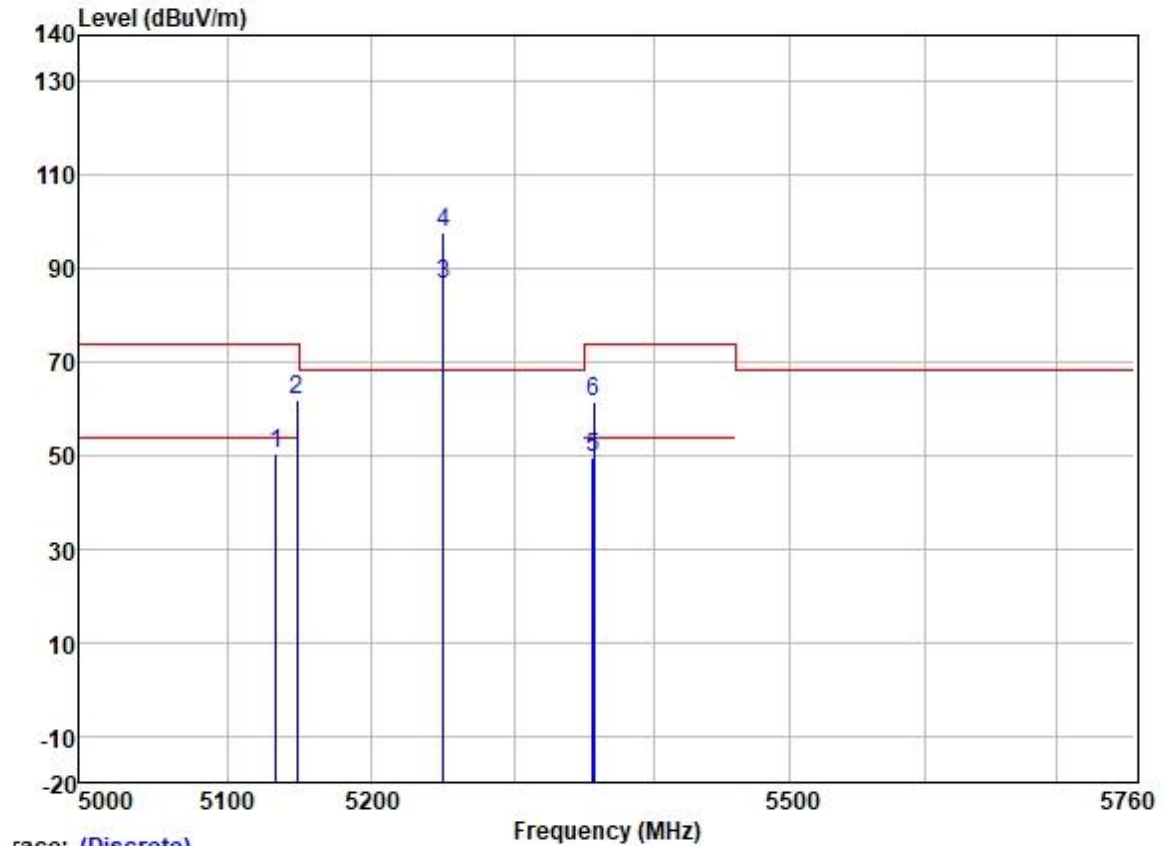
	Freq	Read	Antenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5110.797	60.38	31.72	5.65	36.86	60.89	74.00	-13.11	VERTICAL	Peak
2	5124.838	49.06	31.72	5.64	36.86	49.56	54.00	-4.44	VERTICAL	Average
3	5290.000	88.41	31.76	6.00	36.87	89.30	-----	-----	VERTICAL	Average
4 *	5290.000	98.52	31.76	6.00	36.87	99.41	68.20	31.21	VERTICAL	Peak
5	5352.370	59.65	31.77	6.05	36.88	60.59	74.00	-13.41	VERTICAL	Peak
6	5358.798	48.51	31.78	6.03	36.88	49.44	54.00	-4.56	VERTICAL	Average

Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5130.777	60.22	31.72	5.63	36.86	60.71	74.00	-13.29	HORIZONTAL Peak
2	5148.922	48.52	31.72	5.62	36.86	49.00	54.00	-5.00	HORIZONTAL Average
3	5250.000	83.07	31.75	5.77	36.87	83.72	-----	-----	HORIZONTAL Average
4 *	5250.000	93.46	31.75	5.77	36.87	94.11	68.20	25.91	HORIZONTAL Peak
5	5352.542	48.54	31.77	6.05	36.88	49.48	54.00	-4.52	HORIZONTAL Average
6	5358.934	59.32	31.78	6.03	36.88	60.25	74.00	-13.75	HORIZONTAL Peak

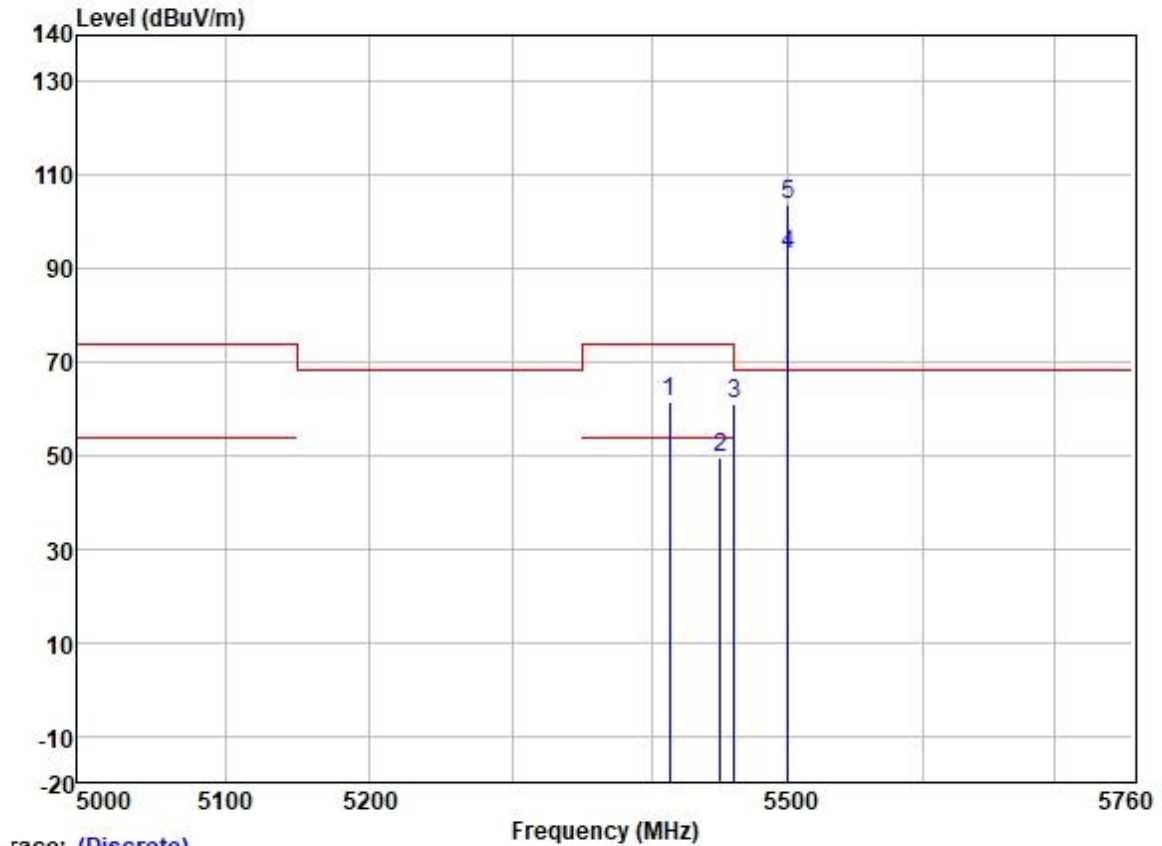
Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



Trace: (Discrete)

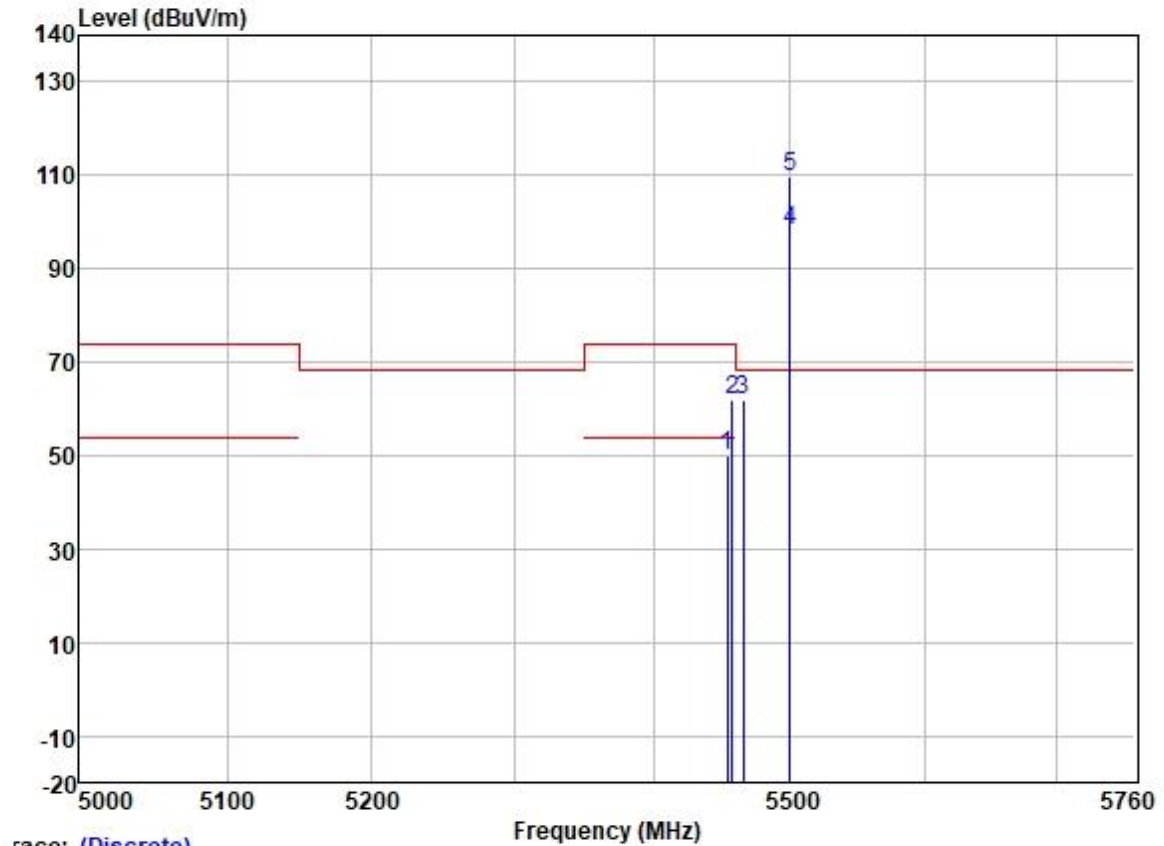
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5133.329	49.96	31.72	5.63	36.86	50.45	54.00	-3.55	VERTICAL Average
2	5148.154	61.32	31.72	5.62	36.86	61.80	74.00	-12.20	VERTICAL Peak
3	5250.000	86.19	31.75	5.77	36.87	86.84	-----	-----	VERTICAL Average
4 *	5250.000	97.31	31.75	5.77	36.87	97.96	68.20	29.76	VERTICAL Peak
5	5356.004	48.57	31.78	6.03	36.88	49.50	54.00	-4.50	VERTICAL Average
6	5356.803	60.43	31.78	6.03	36.88	61.36	74.00	-12.64	VERTICAL Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11a; 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	5413.309	60.50	31.79	6.06	36.88	61.47	74.00	-12.53	HORIZONTAL	Peak
2	5449.839	48.54	31.79	6.26	36.88	49.71	54.00	-4.29	HORIZONTAL	Average
3	5460.510	59.92	31.79	6.26	36.88	61.09	68.20	-7.11	HORIZONTAL	Peak
4	5500.000	91.93	31.80	6.40	36.88	93.25	-----	-----	HORIZONTAL	Average
5 *	5500.000	102.62	31.80	6.40	36.88	103.94	68.20	35.74	HORIZONTAL	Peak

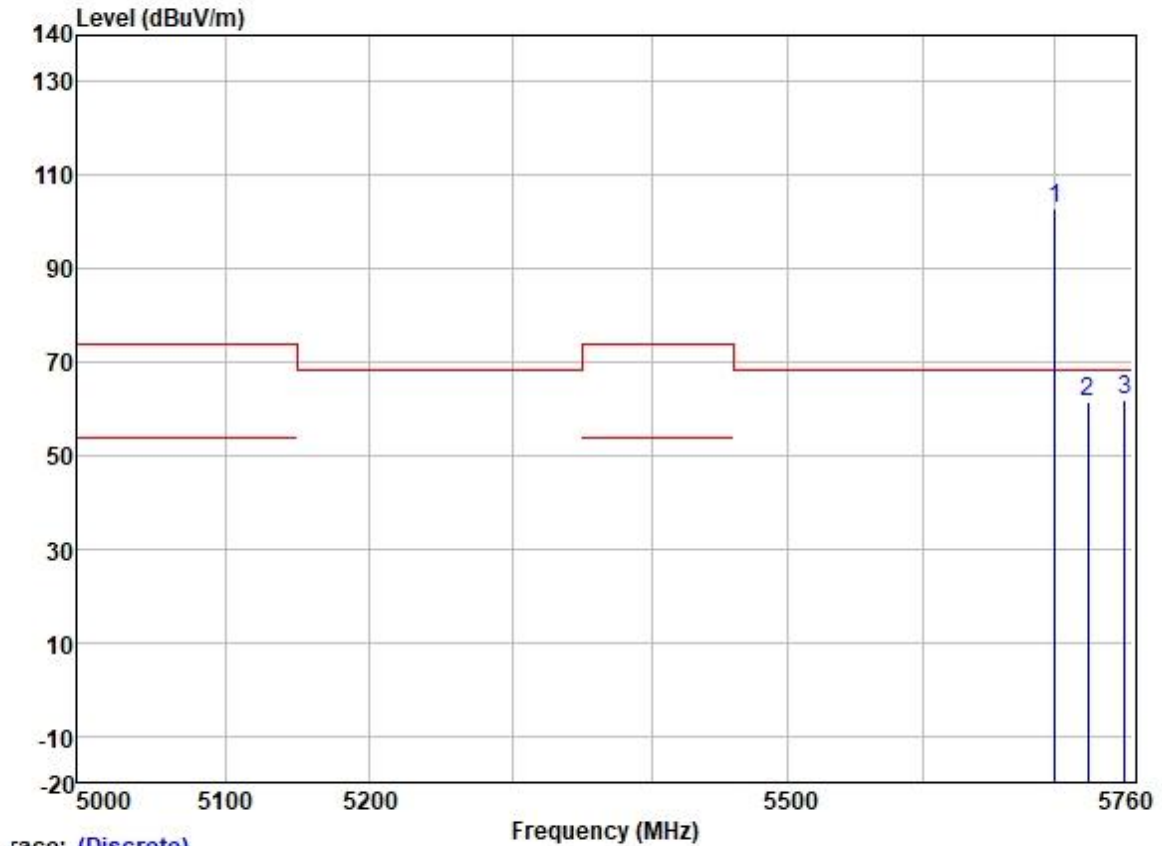
Test Mode: 24; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5453.793	48.68	31.79	6.26	36.88	49.85	54.00	-4.15	VERTICAL Average
2	5457.391	60.81	31.79	6.26	36.88	61.98	74.00	-12.02	VERTICAL Peak
3	5464.953	60.61	31.80	6.31	36.88	61.84	68.20	-6.36	VERTICAL Peak
4	5500.000	96.80	31.80	6.40	36.88	98.12	-----	-----	VERTICAL Average
5 *	5500.000	108.21	31.80	6.40	36.88	109.53	68.20	41.33	VERTICAL Peak

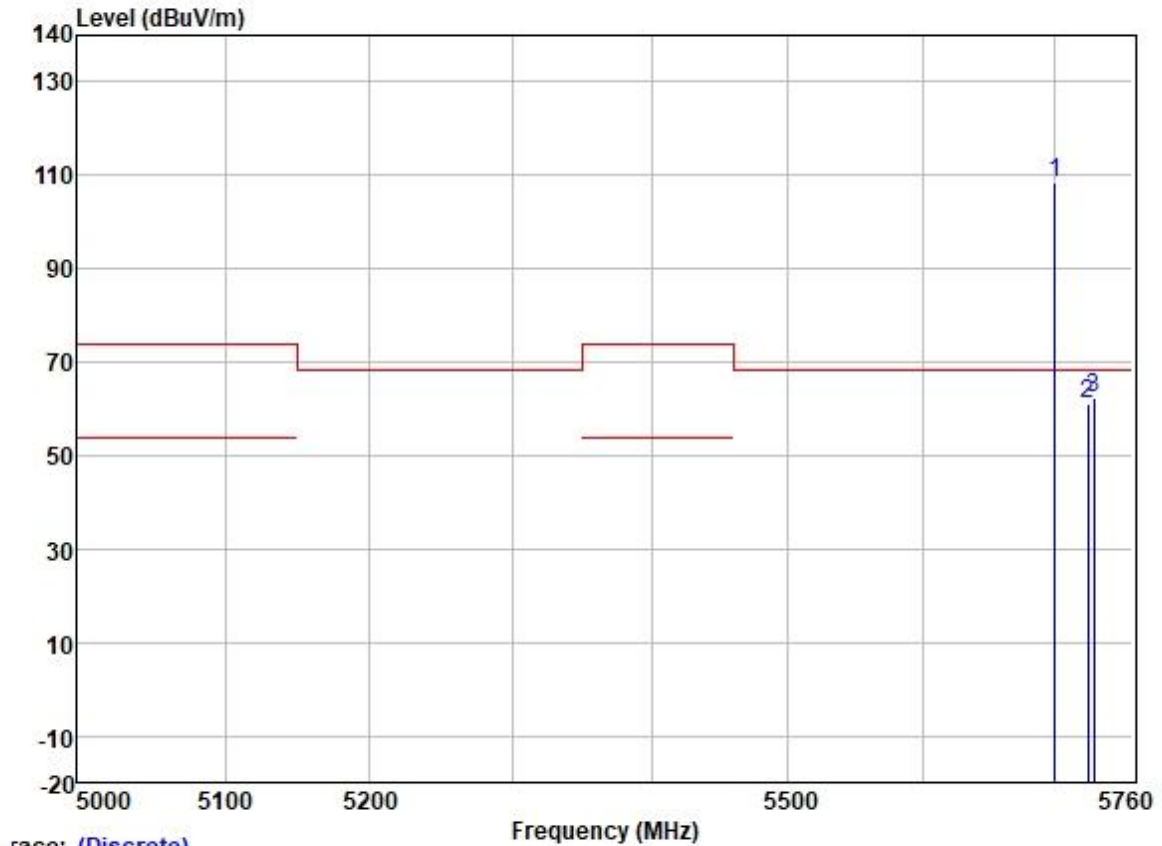
Test Mode: 24; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Read	Antenna	Cable	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5700.000	101.30	32.01	6.40	36.89	102.82	68.20	34.62 HORIZONTAL Peak
2	5725.000	60.03	32.07	6.25	36.89	61.46	68.20	-6.74 HORIZONTAL Peak
3	5753.330	60.49	32.10	6.20	36.89	61.90	68.20	-6.30 HORIZONTAL Peak

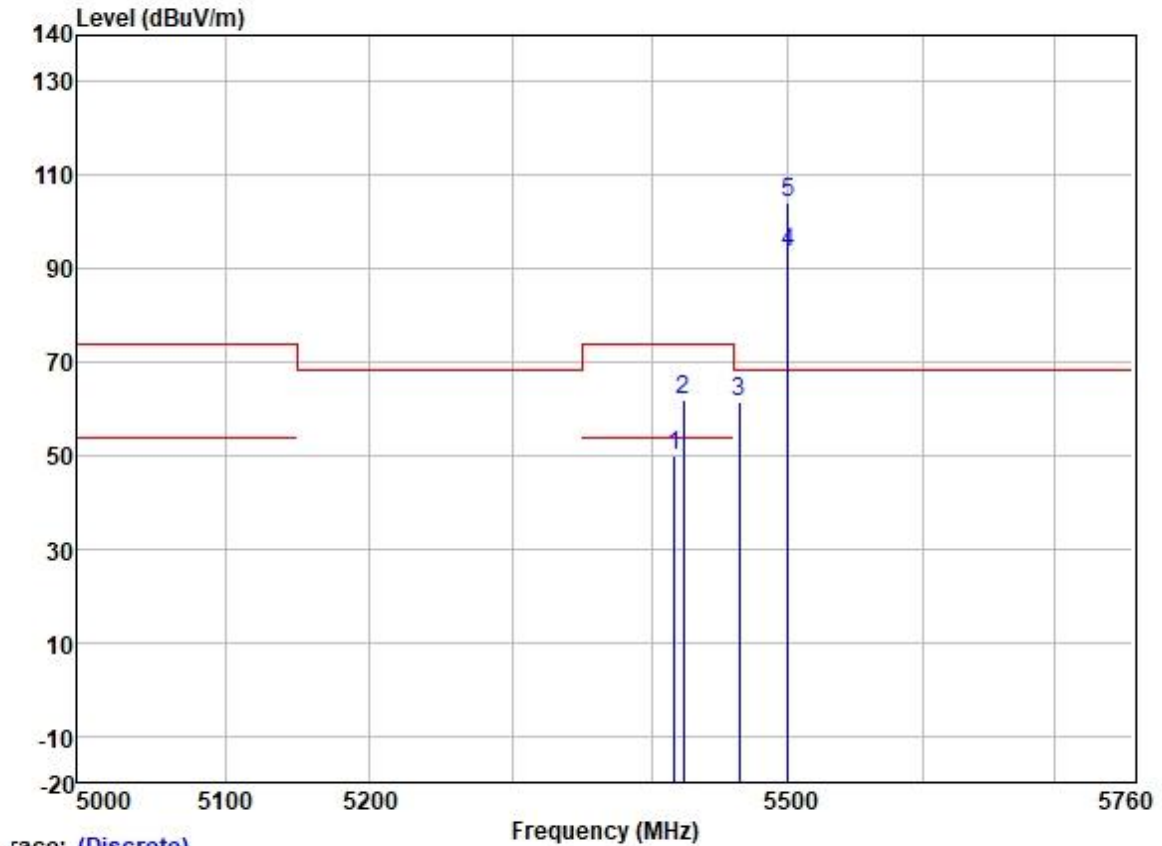
Test Mode: 24; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

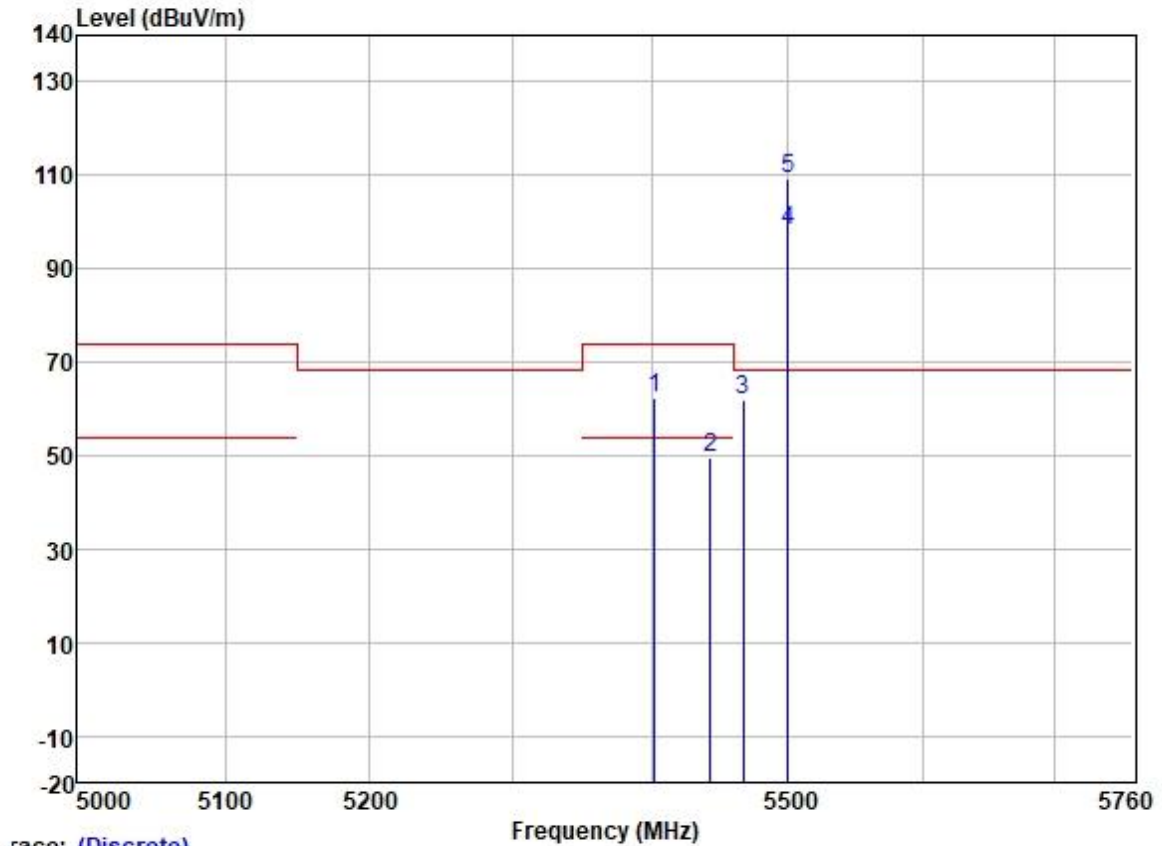
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1 *	5700.000	106.93	32.01	6.40	36.89	108.45	68.20	40.25	VERTICAL Peak
2	5725.000	59.71	32.07	6.25	36.89	61.14	68.20	-7.06	VERTICAL Peak
3	5729.982	60.80	32.07	6.25	36.89	62.23	68.20	-5.97	VERTICAL Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5416.761	48.78	31.79	6.13	36.88	49.82	54.00	-4.18	HORIZONTAL	Average
2	5423.313	60.82	31.79	6.13	36.88	61.86	74.00	-12.14	HORIZONTAL	Peak
3	5463.872	60.24	31.80	6.31	36.88	61.47	68.20	-6.73	HORIZONTAL	Peak
4	5500.000	91.99	31.80	6.40	36.88	93.31	-----	-----	HORIZONTAL	Average
5 *	5500.000	102.98	31.80	6.40	36.88	104.30	68.20	36.10	HORIZONTAL	Peak

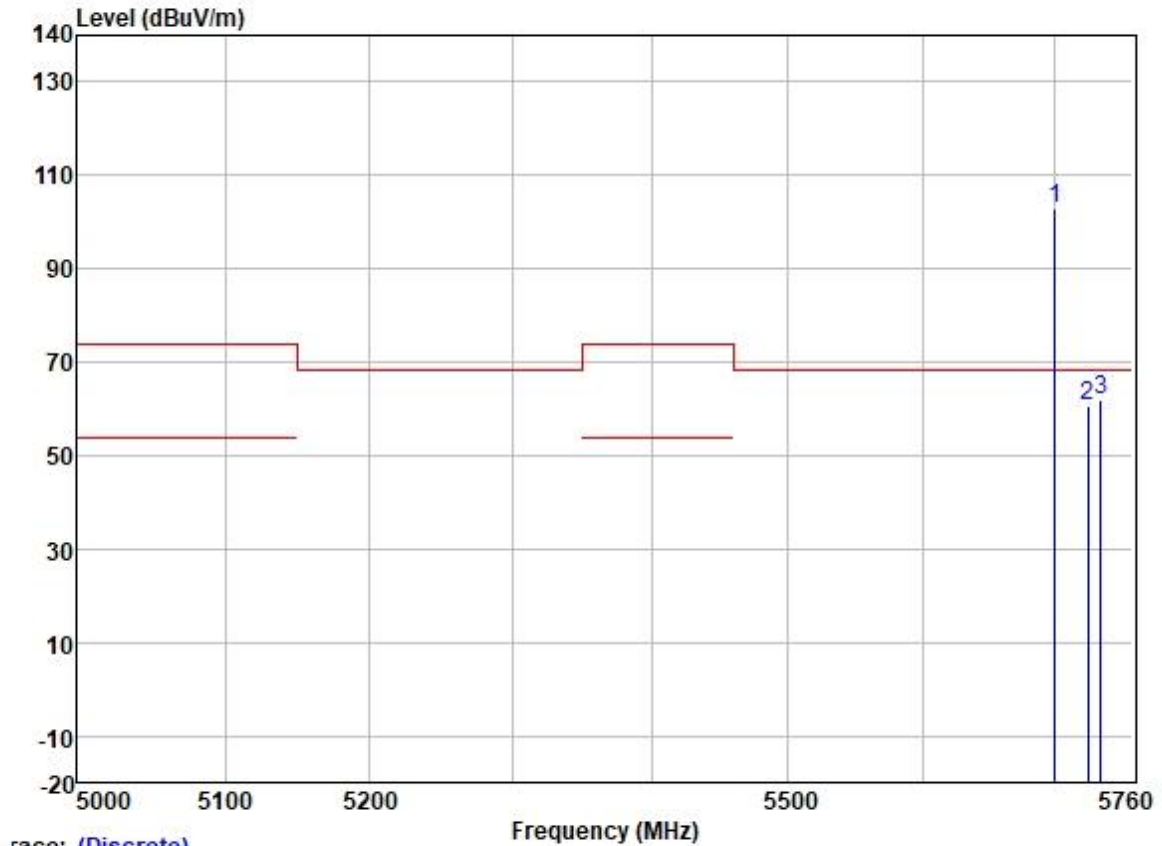
Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5402.018	61.53	31.79	6.06	36.88	62.50	74.00	-11.50	VERTICAL Peak
2	5442.777	48.63	31.79	6.20	36.88	49.74	54.00	-4.26	VERTICAL Average
3	5466.875	60.49	31.80	6.31	36.88	61.72	68.20	-6.48	VERTICAL Peak
4	5500.000	96.72	31.80	6.40	36.88	98.04	-----	-----	VERTICAL Average
5 *	5500.000	107.98	31.80	6.40	36.88	109.30	68.20	41.10	VERTICAL Peak

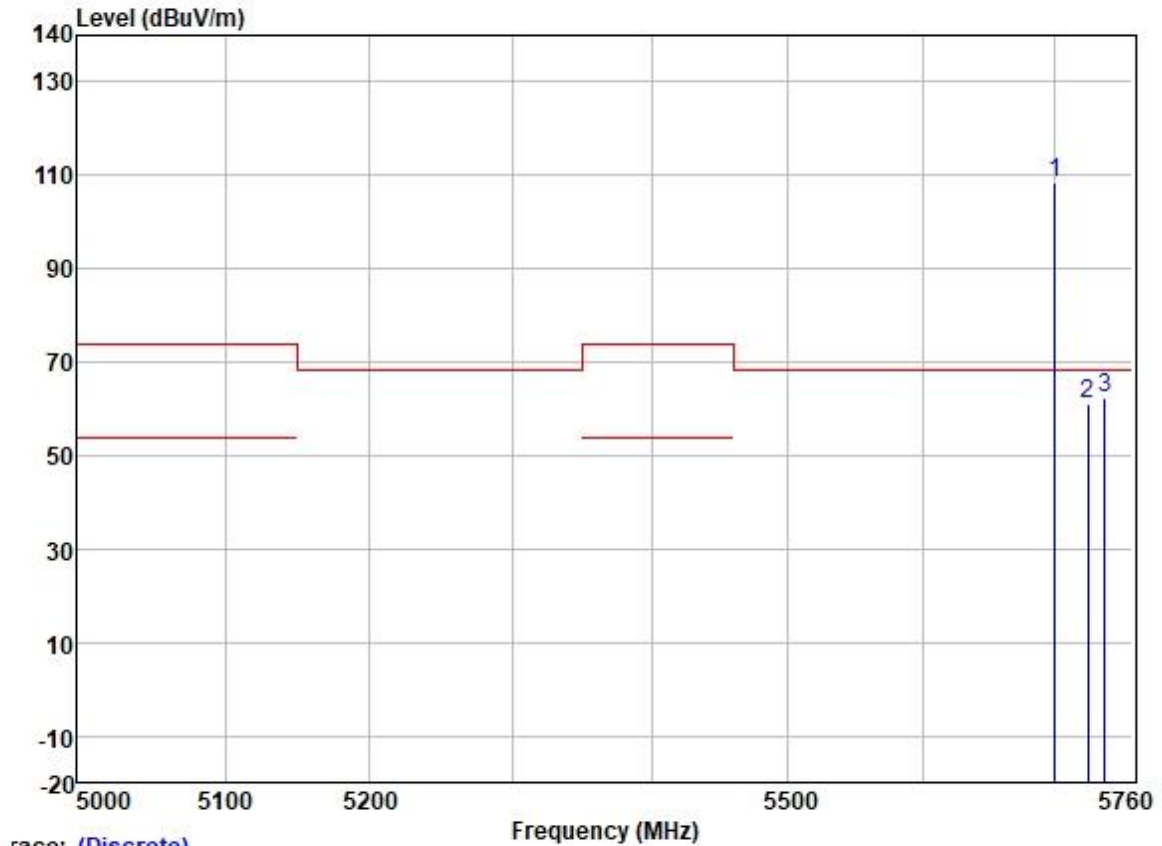
Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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 *	5700.000	101.31	32.01	6.40	36.89	102.83	68.20	34.63	HORIZONTAL
2	5725.000	59.01	32.07	6.25	36.89	60.44	68.20	-7.76	HORIZONTAL
3	5735.084	60.43	32.07	6.25	36.89	61.86	68.20	-6.34	HORIZONTAL

Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

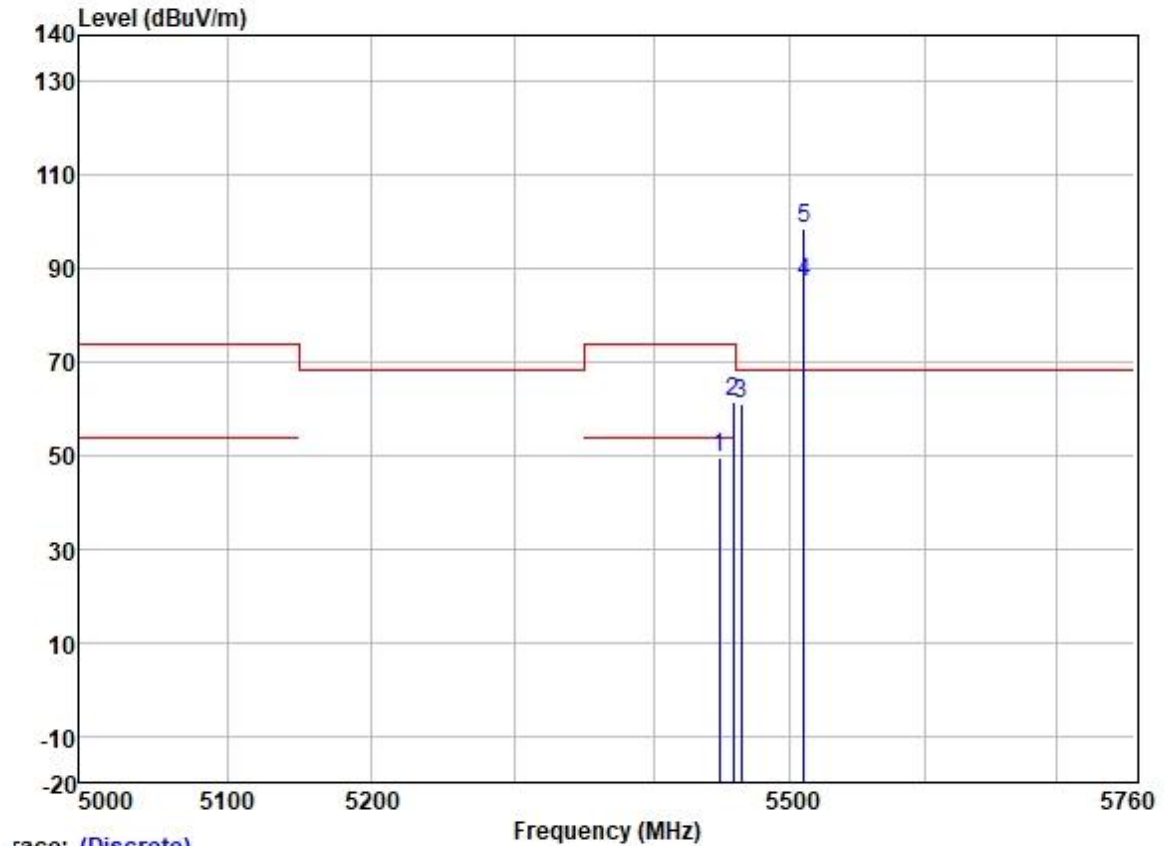


Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	107.09	32.01	6.40	36.89	108.61	68.20	40.41	VERTICAL	Peak
2	5725.000	59.64	32.07	6.25	36.89	61.07	68.20	-7.13	VERTICAL	Peak
3	5738.188	60.72	32.07	6.25	36.89	62.15	68.20	-6.05	VERTICAL	Peak



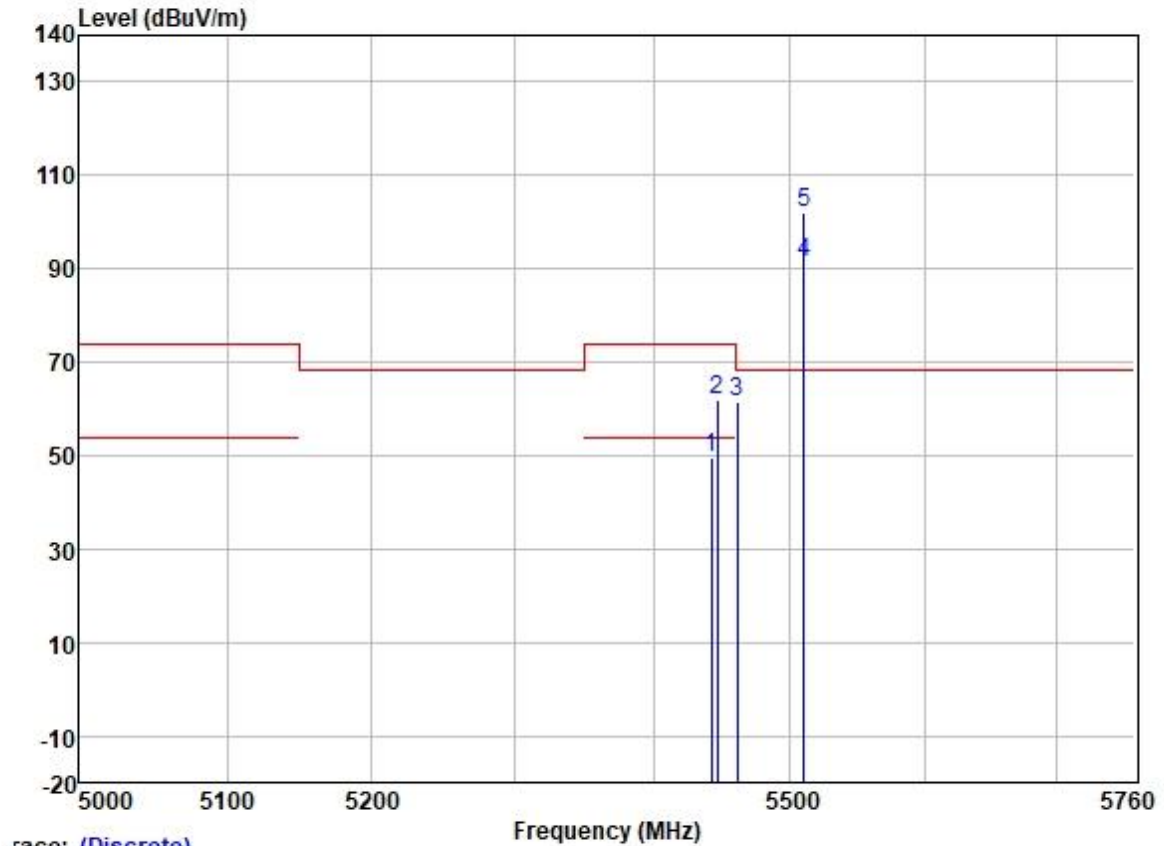
Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

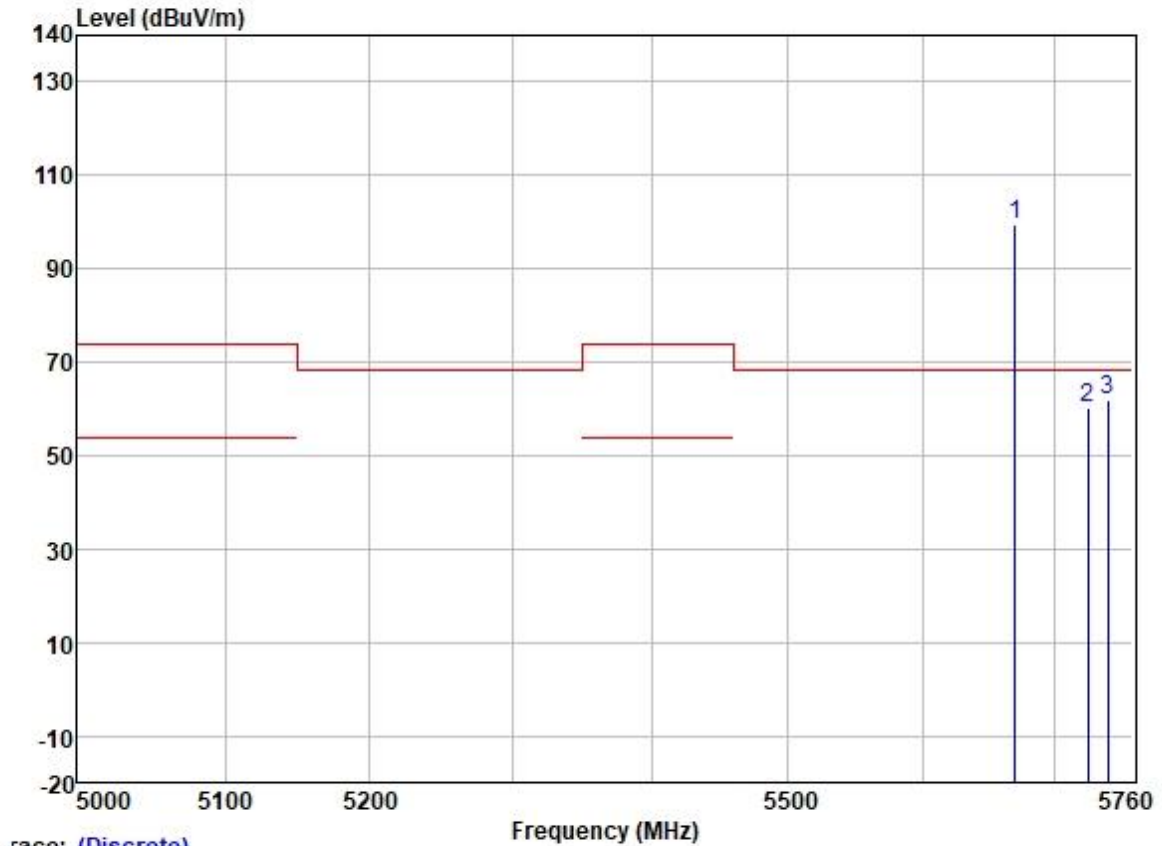
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5447.617	48.31	31.79	6.20	36.88	49.42	54.00	-4.58	HORIZONTAL Average
2	5457.666	60.19	31.79	6.26	36.88	61.36	74.00	-12.64	HORIZONTAL Peak
3	5464.095	59.64	31.80	6.31	36.88	60.87	68.20	-7.33	HORIZONTAL Peak
4	5510.000	85.80	31.80	6.40	36.88	87.12	-----	-----	HORIZONTAL Average
5 *	5510.000	97.11	31.80	6.40	36.88	98.43	68.20	30.23	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5442.042	48.43	31.79	6.20	36.88	49.54	54.00	-4.46	VERTICAL
2	5446.083	61.00	31.79	6.20	36.88	62.11	74.00	-11.89	VERTICAL
3	5461.159	60.18	31.79	6.26	36.88	61.35	68.20	-6.85	VERTICAL
4	5510.000	89.88	31.80	6.40	36.88	91.20	-----	-----	VERTICAL
5 *	5510.000	100.57	31.80	6.40	36.88	101.89	68.20	33.69	VERTICAL

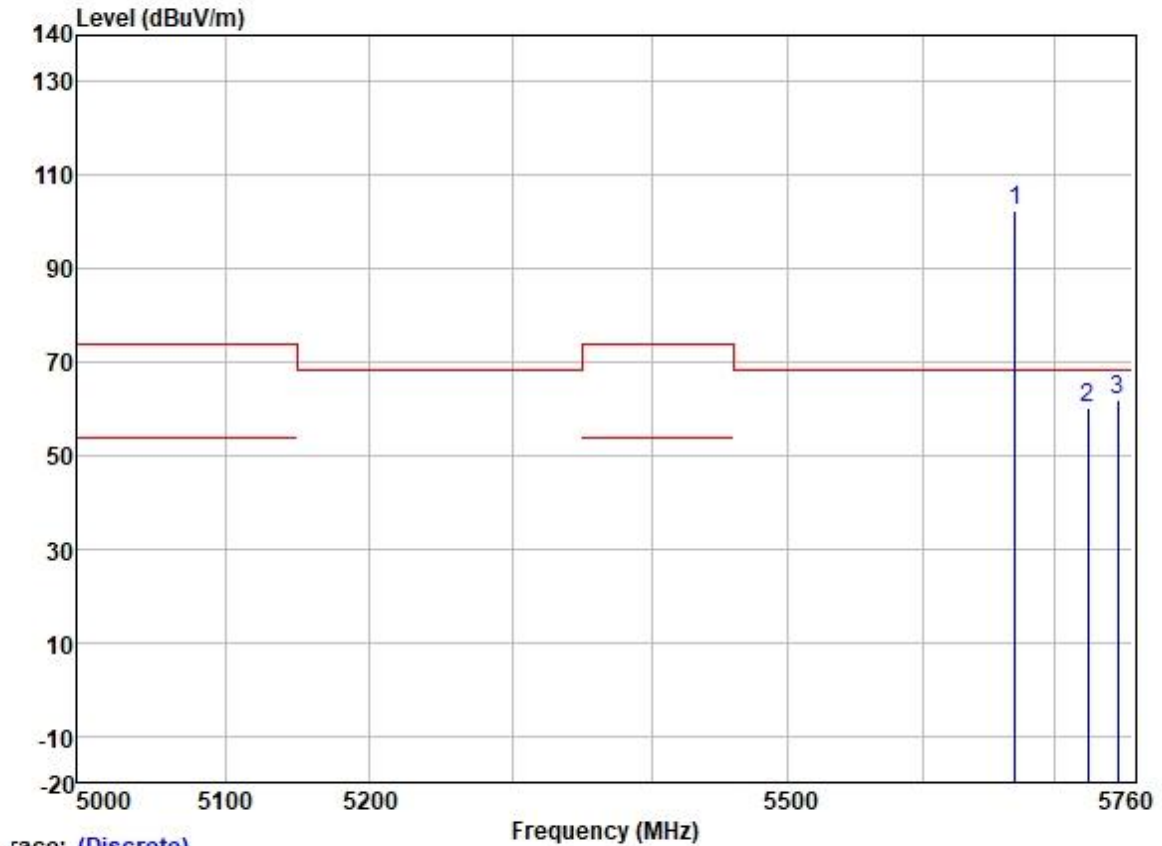
Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

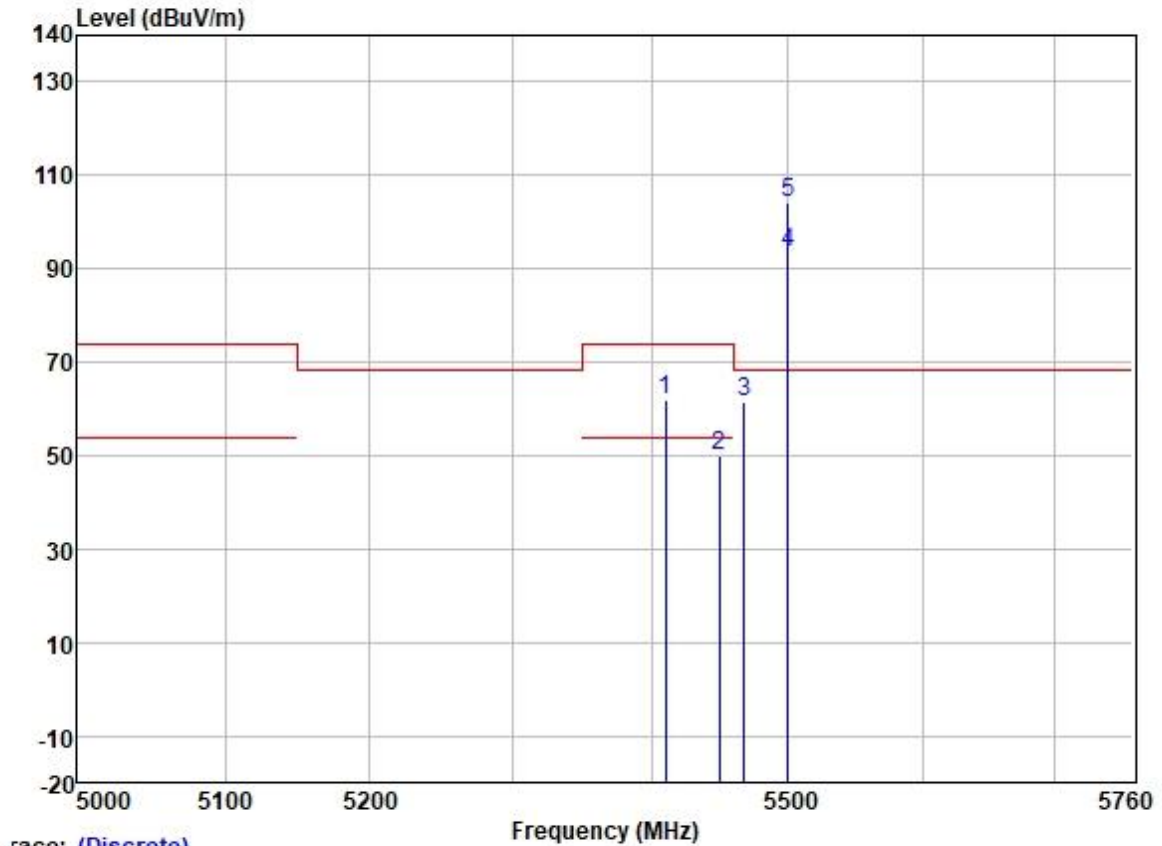
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	98.22	31.97	6.37	36.89	99.67	68.20	31.47	HORIZONTAL Peak
2	5725.000	58.95	32.07	6.25	36.89	60.38	68.20	-7.82	HORIZONTAL Peak
3	5740.313	60.51	32.10	6.20	36.89	61.92	68.20	-6.28	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



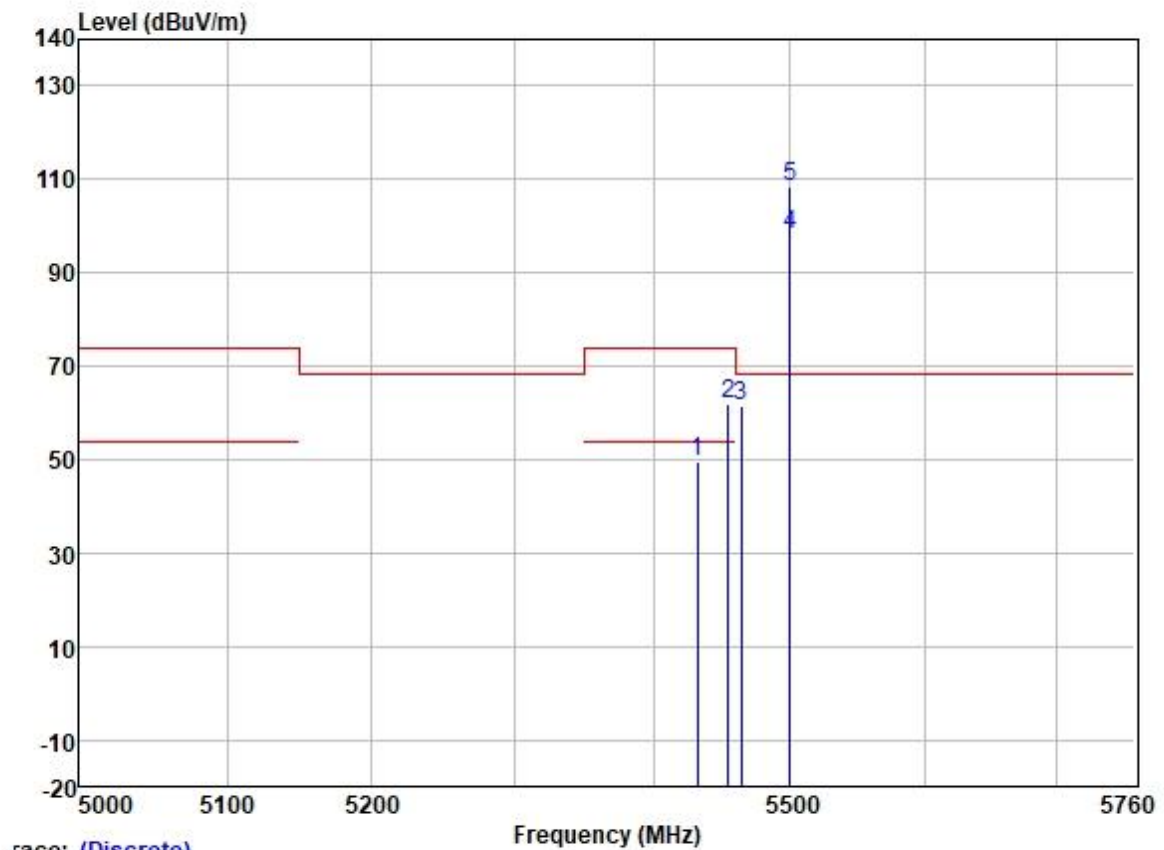
		ReadAntenna	Cable	Preamp		Limit	Over		
	Freq	Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	100.95	31.97	6.37	36.89	102.40	68.20	34.20	VERTICAL Peak
2	5725.000	58.96	32.07	6.25	36.89	60.39	68.20	-7.81	VERTICAL Peak
3	5748.200	60.52	32.10	6.20	36.89	61.93	68.20	-6.27	VERTICAL Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



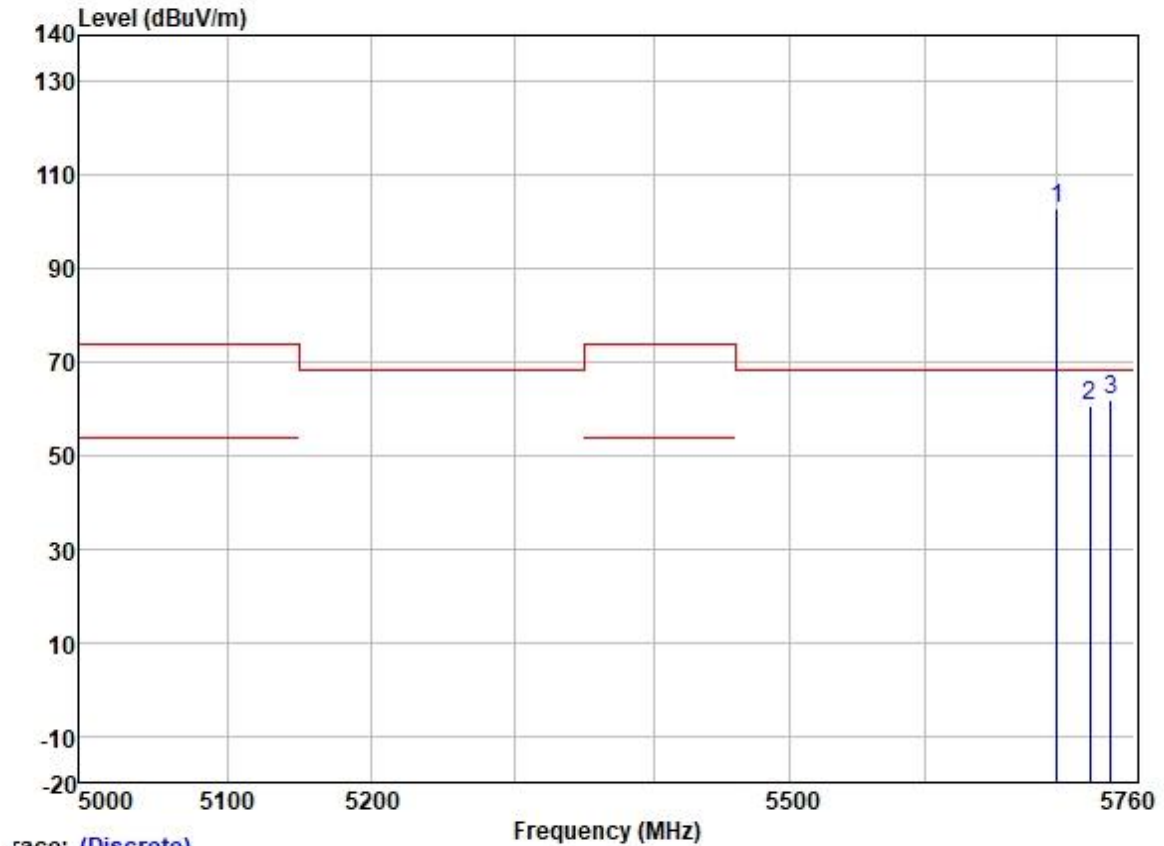
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5409.860	61.06	31.79	6.06	36.88	62.03	74.00	-11.97	HORIZONTAL	Peak
2	5449.360	48.64	31.79	6.26	36.88	49.81	54.00	-4.19	HORIZONTAL	Average
3	5467.115	60.41	31.80	6.31	36.88	61.64	68.20	-6.56	HORIZONTAL	Peak
4	5500.000	92.02	31.80	6.40	36.88	93.34	-----	-----	HORIZONTAL	Average
5 *	5500.000	102.79	31.80	6.40	36.88	104.11	68.20	35.91	HORIZONTAL	Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5432.021	48.66	31.79	6.13	36.88	49.70	54.00	-4.30	VERTICAL Average
2	5454.273	60.88	31.79	6.26	36.88	62.05	74.00	-11.95	VERTICAL Peak
3	5463.872	60.40	31.80	6.31	36.88	61.63	68.20	-6.57	VERTICAL Peak
4	5500.000	96.96	31.80	6.40	36.88	98.28	-----	-----	VERTICAL Average
5 *	5500.000	107.22	31.80	6.40	36.88	108.54	68.20	40.34	VERTICAL Peak

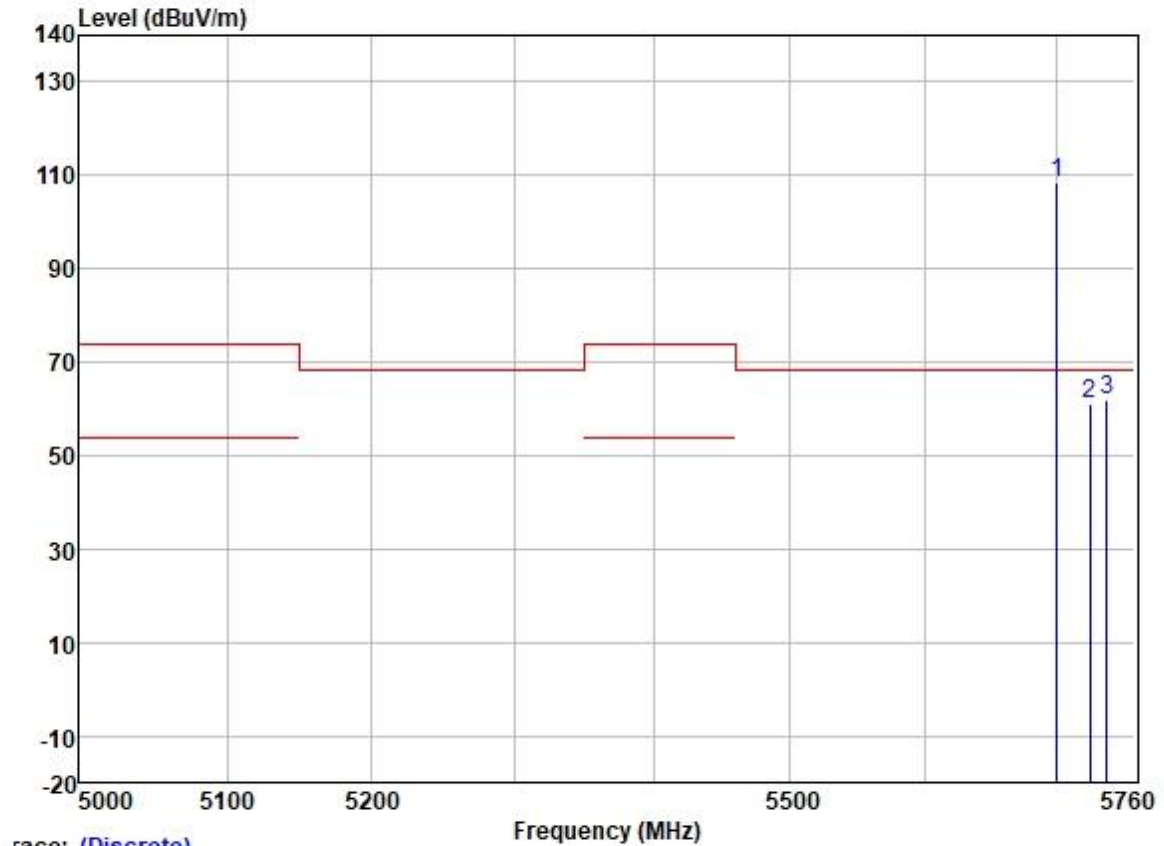
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



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 *	5700.000	101.41	32.01	6.40	36.89	102.93	68.20	34.73	HORIZONTAL	Peak
2	5725.000	59.41	32.07	6.25	36.89	60.84	68.20	-7.36	HORIZONTAL	Peak
3	5741.293	60.42	32.10	6.20	36.89	61.83	68.20	-6.37	HORIZONTAL	Peak

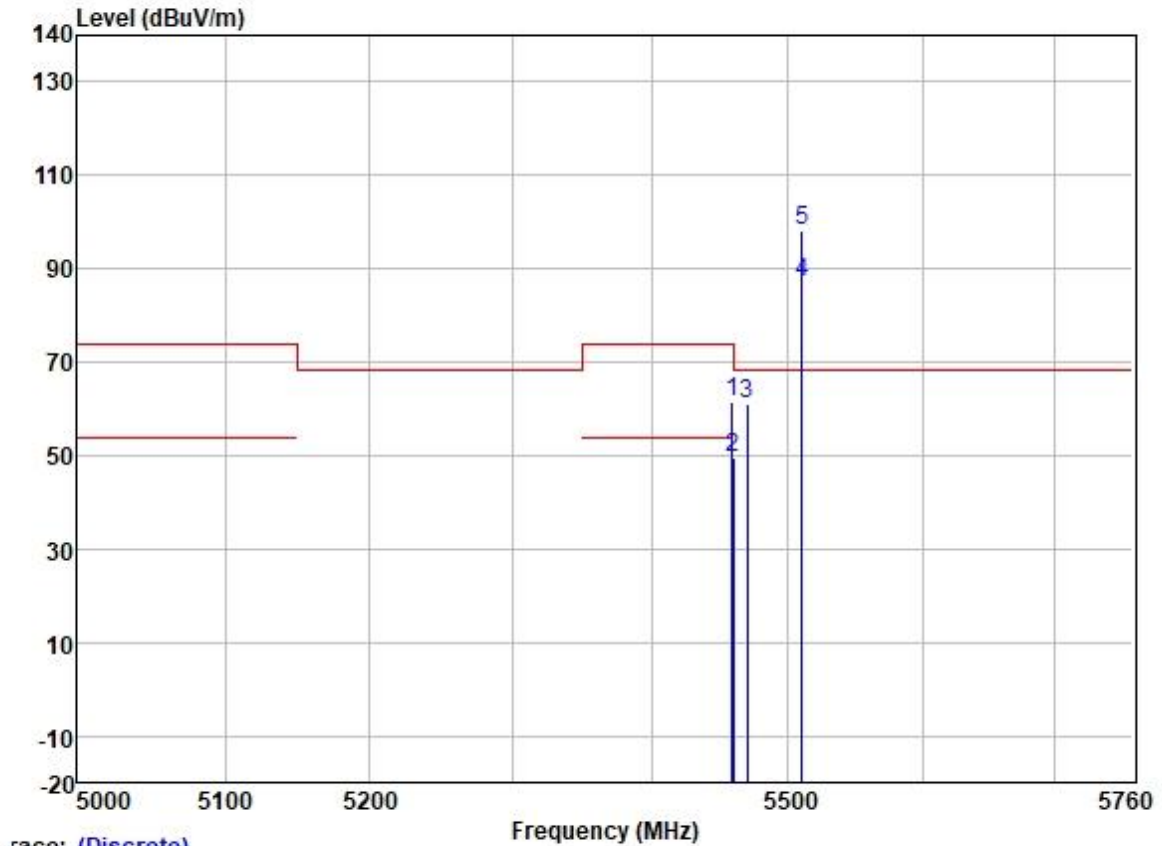
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	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 *	5700.000	107.04	32.01	6.40	36.89	108.56	68.20	40.36	VERTICAL	Peak
2	5725.000	59.74	32.07	6.25	36.89	61.17	68.20	-7.03	VERTICAL	Peak
3	5737.888	60.59	32.07	6.25	36.89	62.02	68.20	-6.18	VERTICAL	Peak

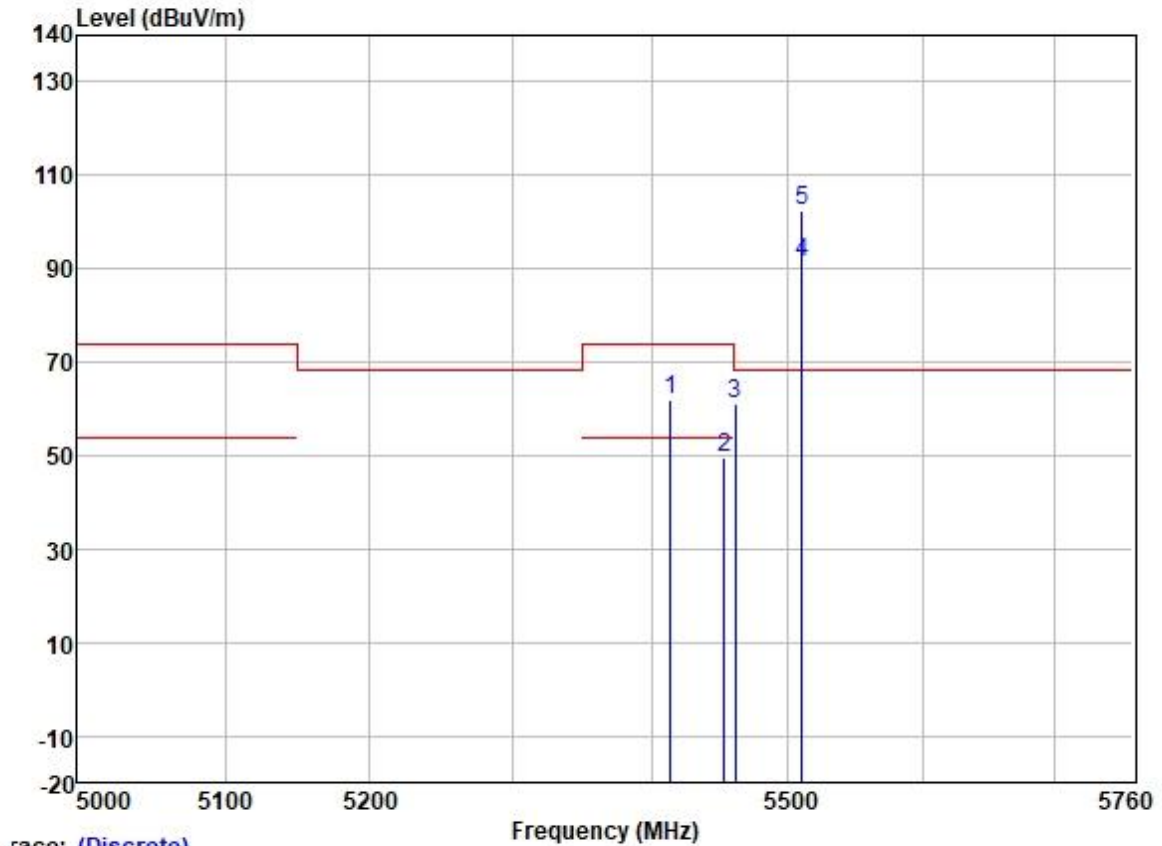
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

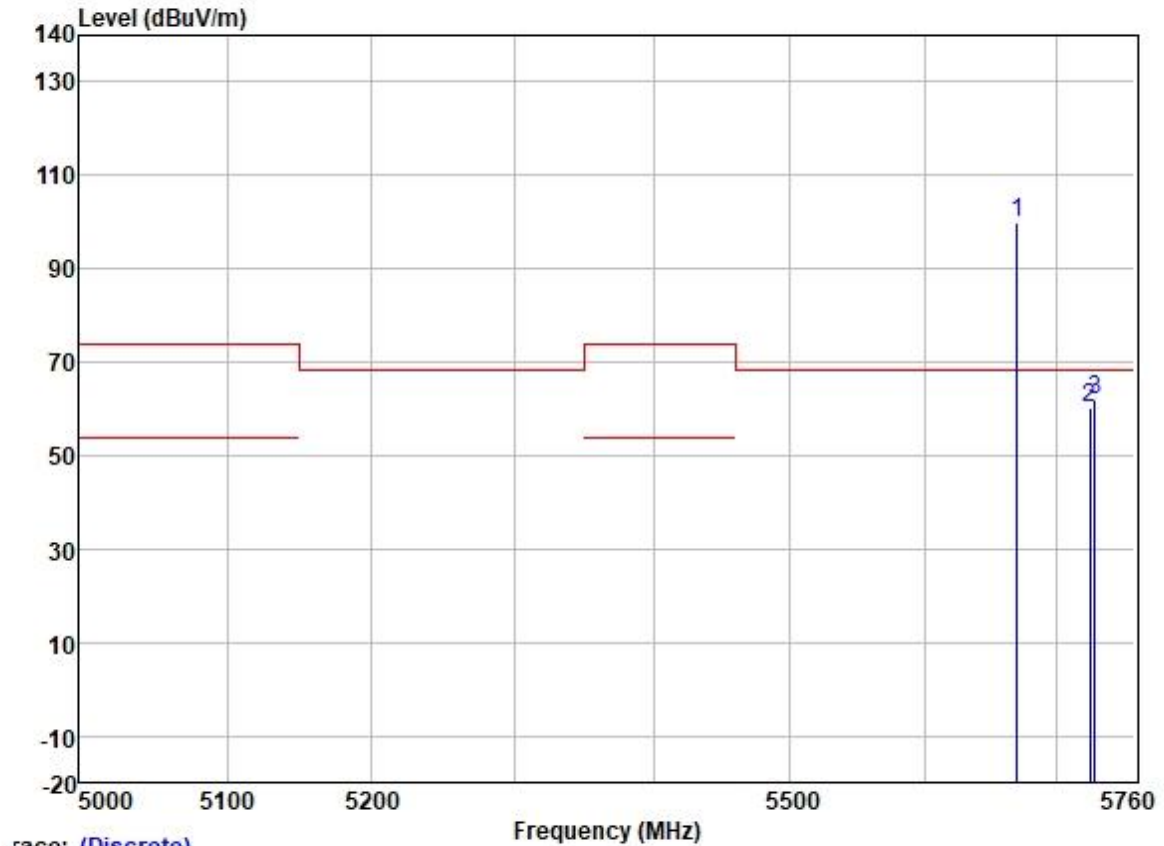
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5458.503	60.23	31.79	6.26	36.88	61.40	74.00	-12.60	HORIZONTAL Peak
2	5459.202	48.49	31.79	6.26	36.88	49.66	54.00	-4.34	HORIZONTAL Average
3	5469.692	59.99	31.80	6.31	36.88	61.22	68.20	-6.98	HORIZONTAL Peak
4	5510.000	85.89	31.80	6.40	36.88	87.21	-----	-----	HORIZONTAL Average
5 *	5510.000	97.04	31.80	6.40	36.88	98.36	68.20	30.16	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; 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	5413.701	60.89	31.79	6.06	36.88	61.86	74.00	-12.14	VERTICAL	Peak
2	5453.058	48.44	31.79	6.26	36.88	49.61	54.00	-4.39	VERTICAL	Average
3	5461.019	59.84	31.79	6.26	36.88	61.01	68.20	-7.19	VERTICAL	Peak
4	5510.000	90.13	31.80	6.40	36.88	91.45	-----	-----	VERTICAL	Average
5 *	5510.000	100.93	31.80	6.40	36.88	102.25	68.20	34.05	VERTICAL	Peak

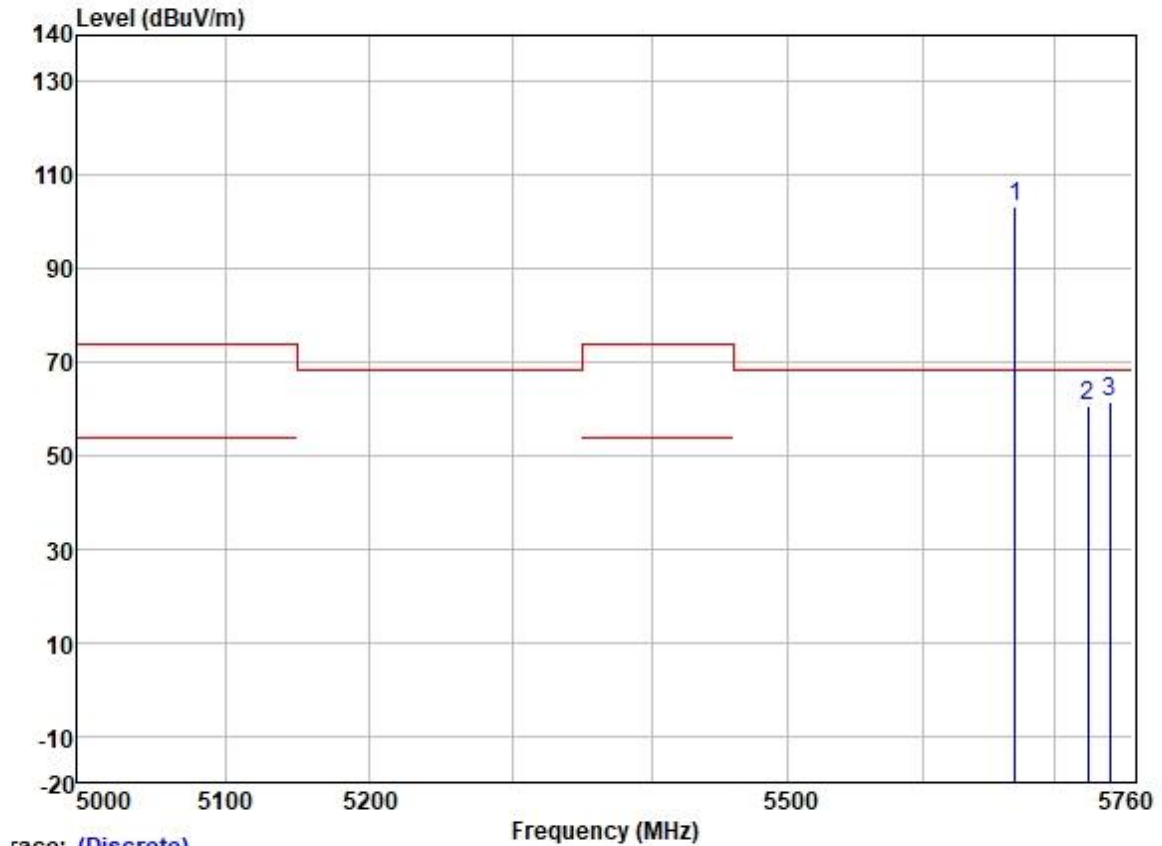
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	98.59	31.97	6.37	36.89	100.04	68.20	31.84	HORIZONTAL	Peak
2	5725.000	58.91	32.07	6.25	36.89	60.34	68.20	-7.86	HORIZONTAL	Peak
3	5728.783	60.67	32.07	6.25	36.89	62.10	68.20	-6.10	HORIZONTAL	Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

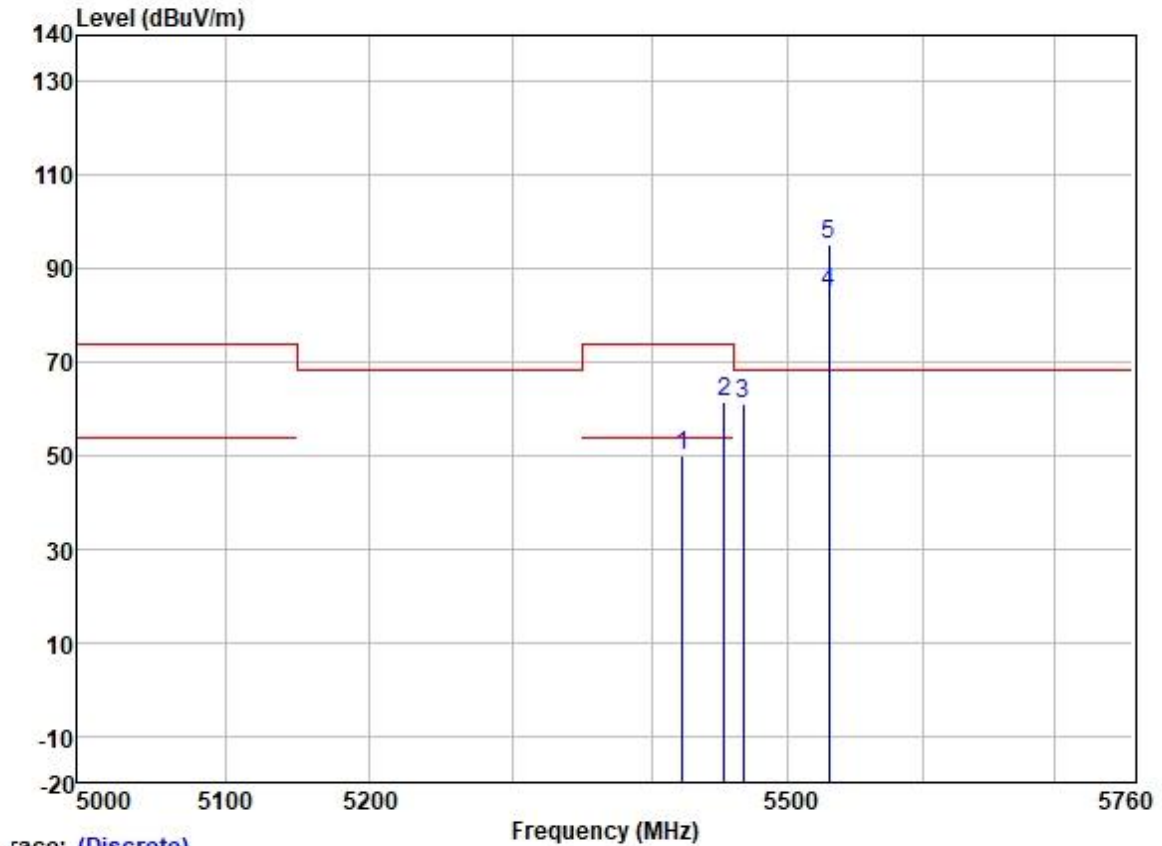
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	101.72	31.97	6.37	36.89	103.17	68.20	34.97	VERTICAL	Peak
2	5725.000	59.11	32.07	6.25	36.89	60.54	68.20	-7.66	VERTICAL	Peak
3	5742.284	60.13	32.10	6.20	36.89	61.54	68.20	-6.66	VERTICAL	Peak



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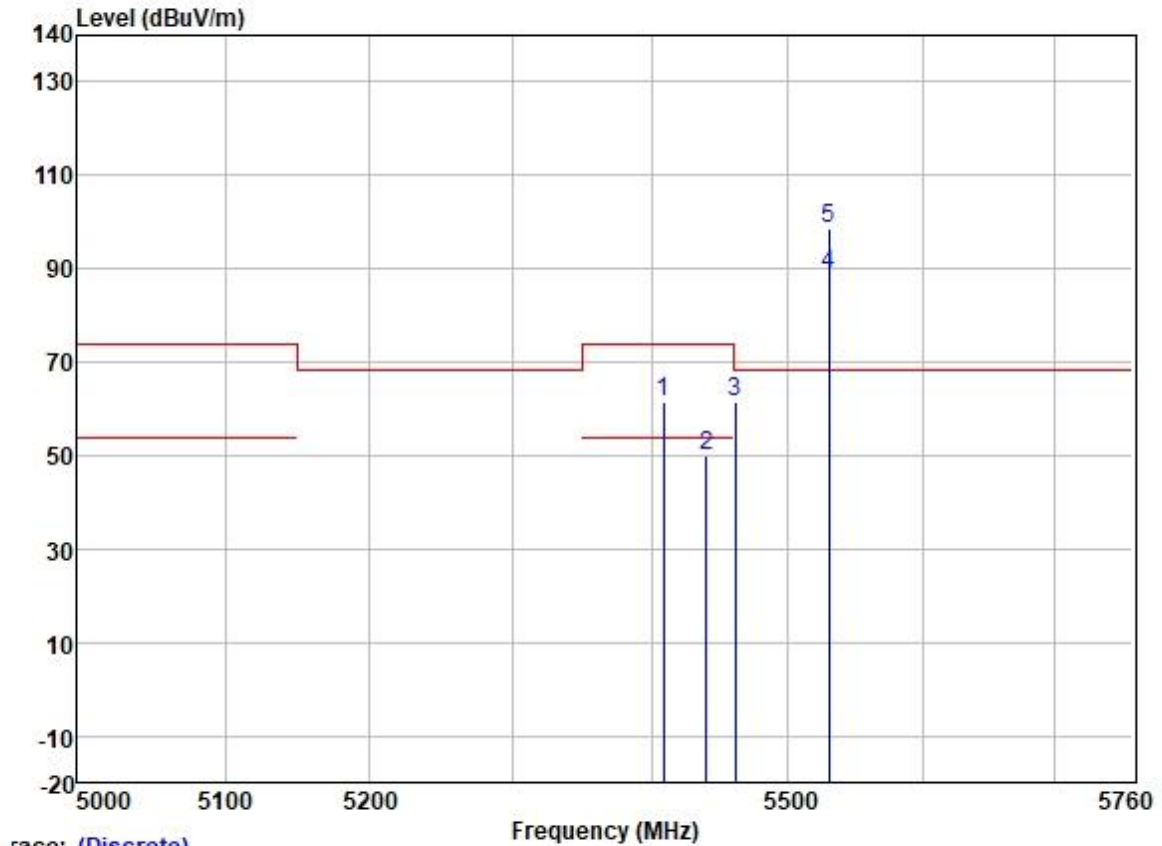
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



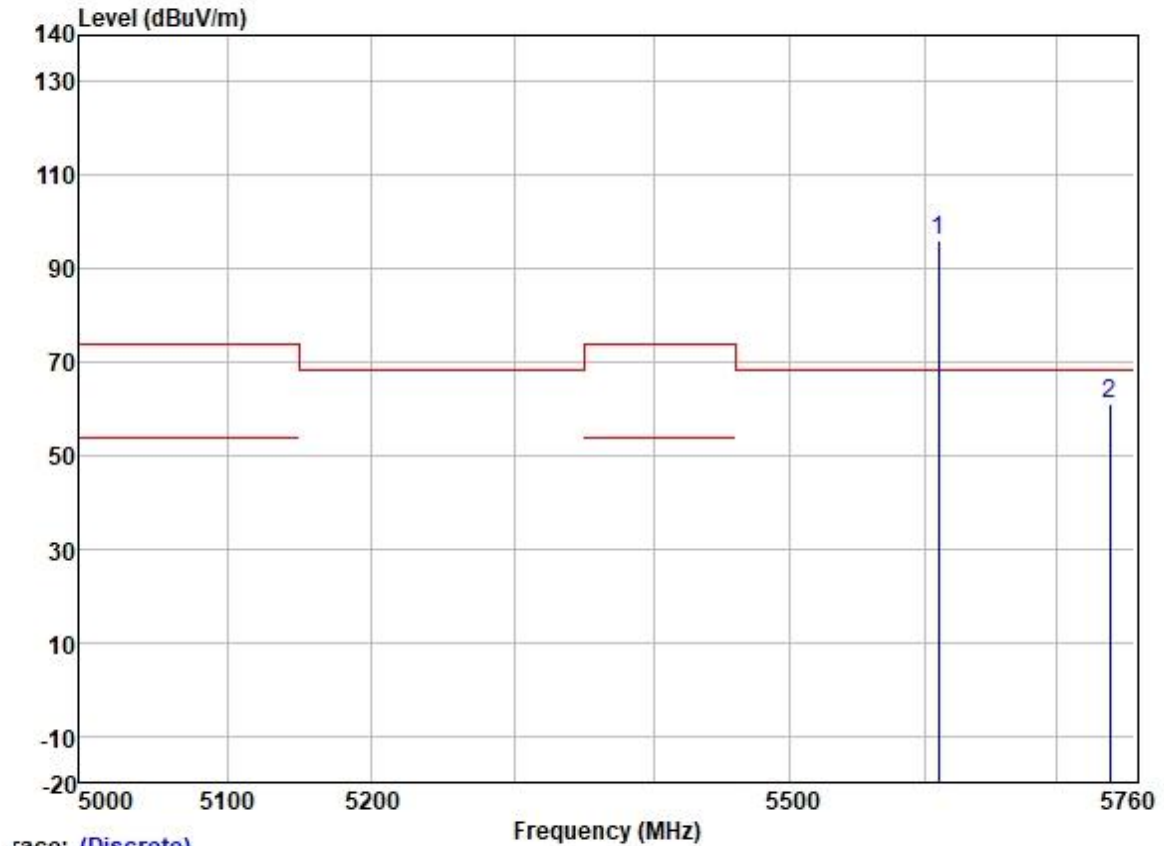
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5422.179	48.87	31.79	6.13	36.88	49.91	54.00	-4.09	HORIZONTAL Average
2	5453.203	60.41	31.79	6.26	36.88	61.58	74.00	-12.42	HORIZONTAL Peak
3	5466.451	59.79	31.80	6.31	36.88	61.02	68.20	-7.18	HORIZONTAL Peak
4	5530.000	83.54	31.83	6.37	36.89	84.85	-----	-----	HORIZONTAL Average
5 *	5530.000	93.68	31.83	6.37	36.89	94.99	68.20	26.79	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5408.506	60.41	31.79	6.06	36.88	61.38	74.00	-12.62	VERTICAL Peak
2	5439.452	48.89	31.79	6.20	36.88	50.00	54.00	-4.00	VERTICAL Average
3	5460.539	60.46	31.79	6.26	36.88	61.63	68.20	-6.57	VERTICAL Peak
4	5530.000	87.40	31.83	6.37	36.89	88.71	-----	-----	VERTICAL Average
5 *	5530.000	97.28	31.83	6.37	36.89	98.59	68.20	30.39	VERTICAL Peak

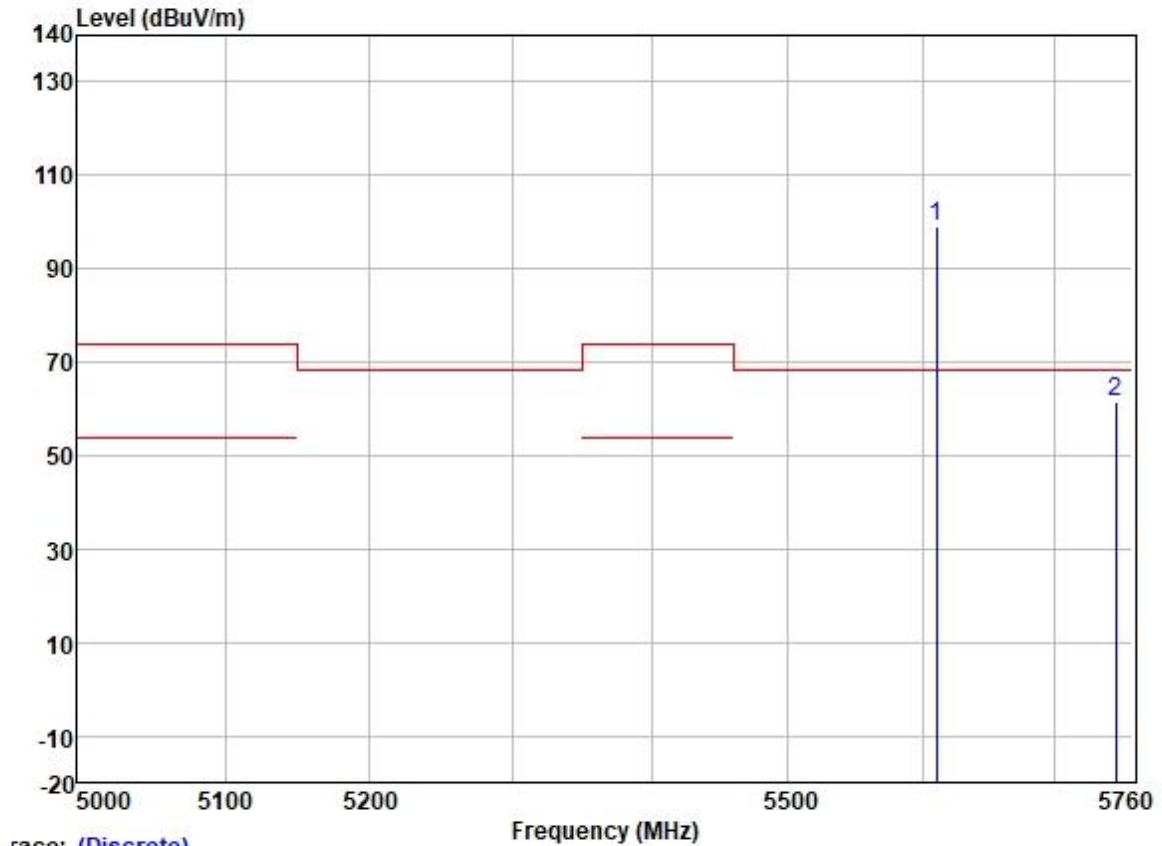
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	94.87	31.91	6.32	36.89	96.21	68.20	28.01	HORIZONTAL	Peak
2	5740.492	59.76	32.10	6.20	36.89	61.17	68.20	-7.03	HORIZONTAL	Peak

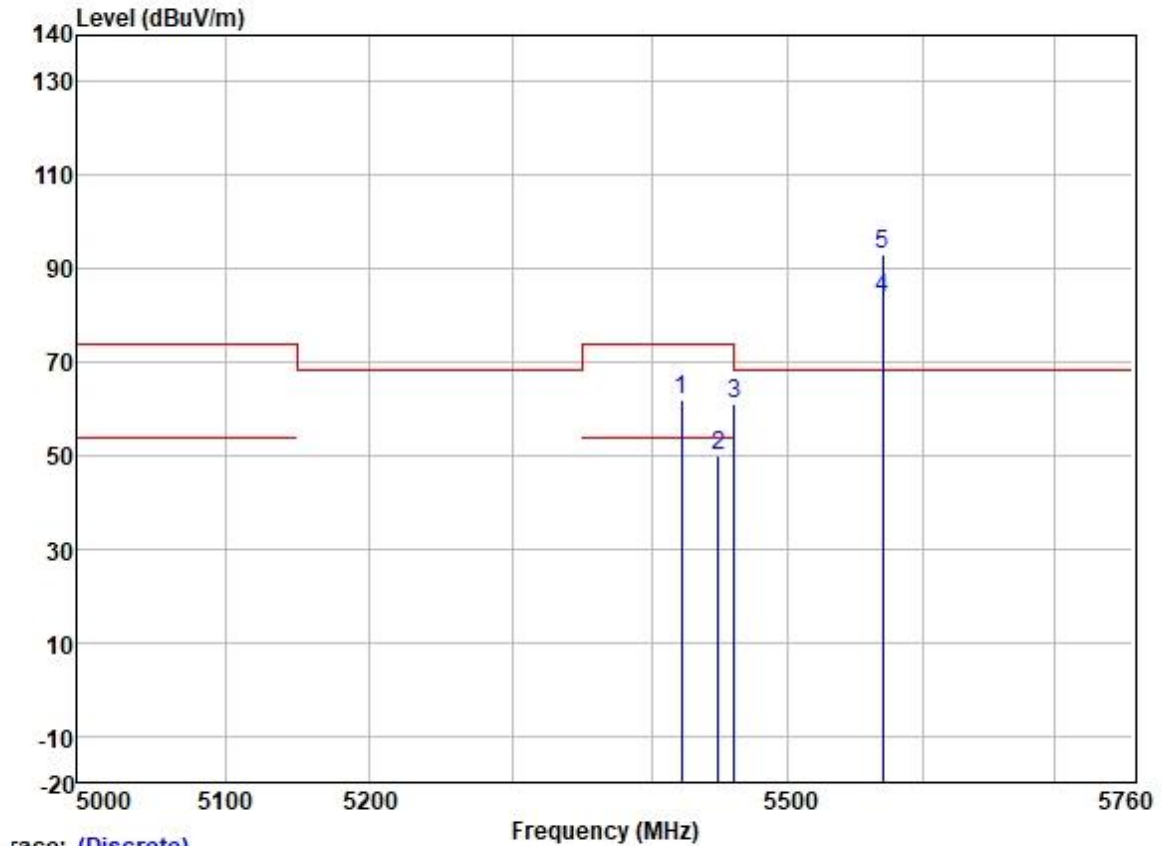
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Trace: (Discrete)

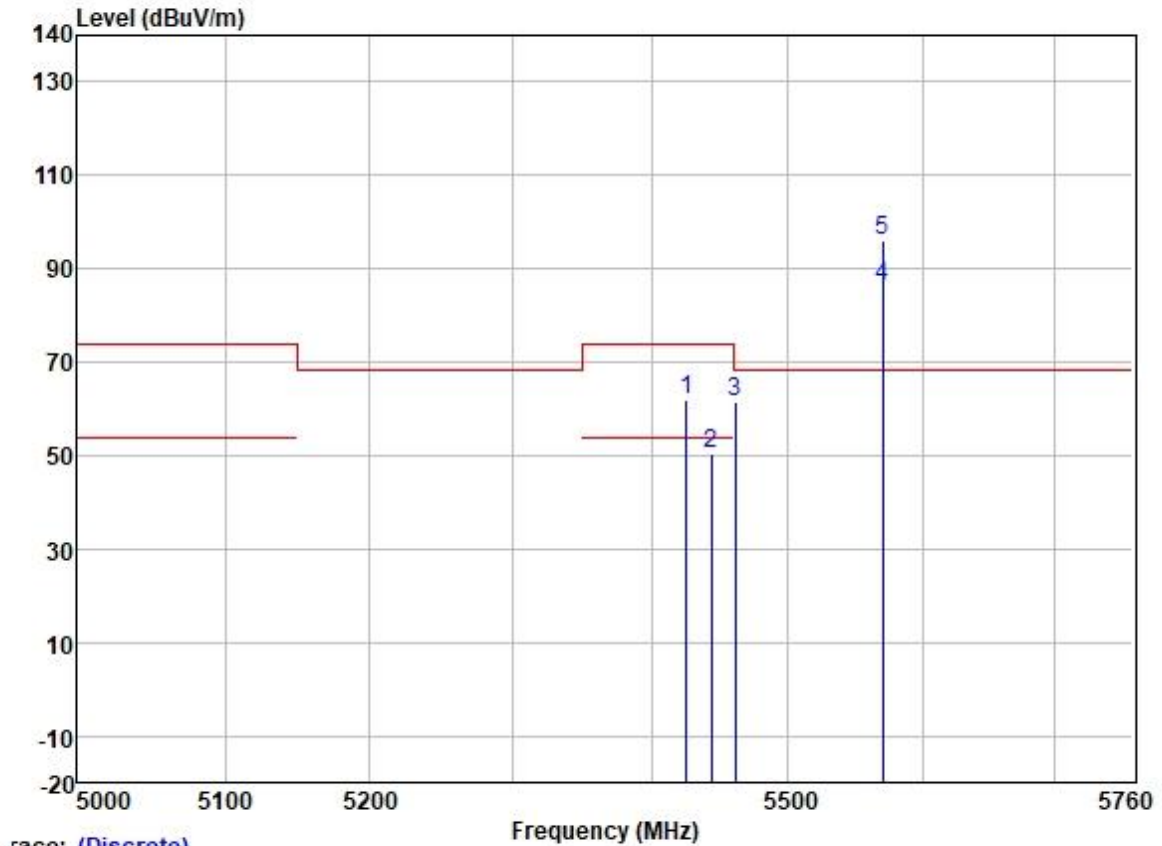
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	97.74	31.91	6.32	36.89	99.08	68.20	30.88	VERTICAL	Peak
2	5746.378	60.01	32.10	6.20	36.89	61.42	68.20	-6.78	VERTICAL	Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Race: (Discrete)	Frequency (MHz)								
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark
		Level	Factor	Loss	Factor	Level	Line		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5421.301	60.91	31.79	6.13	36.88	61.95	74.00	-12.05	HORIZONTAL Peak
2	5448.309	48.85	31.79	6.26	36.88	50.02	54.00	-3.98	HORIZONTAL Average
3	5459.925	60.03	31.79	6.26	36.88	61.20	74.00	-12.80	HORIZONTAL Peak
4	5570.000	82.24	31.86	6.33	36.89	83.54	-----	-----	HORIZONTAL Average
5 *	5570.000	91.85	31.86	6.33	36.89	93.15	68.20	24.95	HORIZONTAL Peak

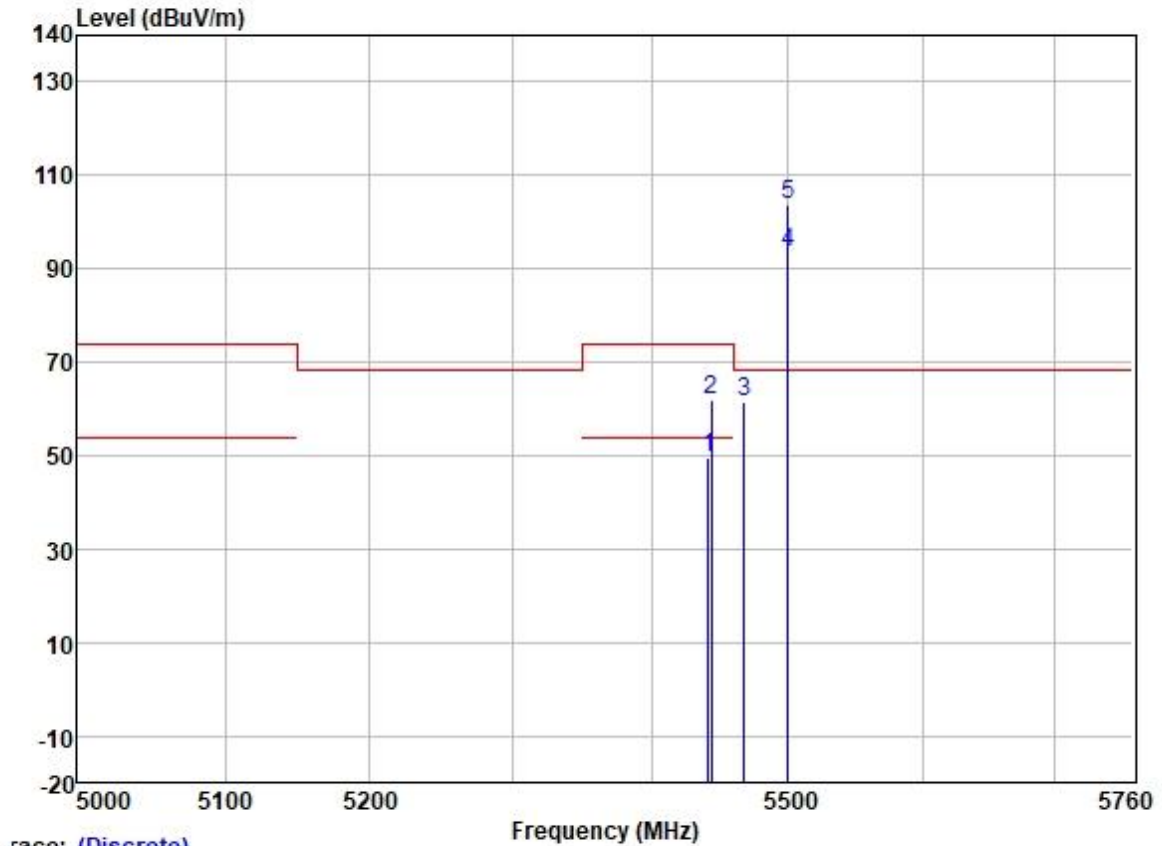
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Trace: (Discrete)

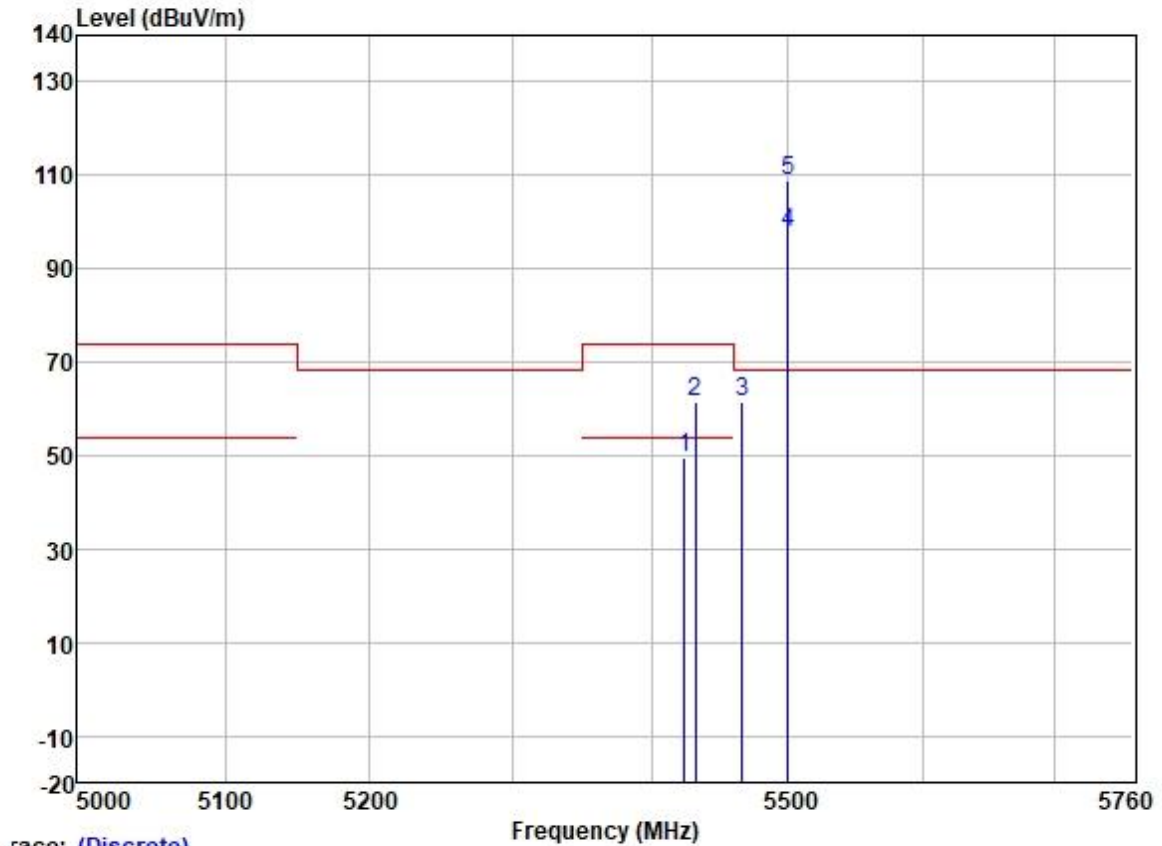
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5425.151	60.82	31.79	6.13	36.88	61.86	74.00	-12.14	VERTICAL Peak
2	5443.388	49.31	31.79	6.20	36.88	50.42	54.00	-3.58	VERTICAL Average
3	5460.982	60.14	31.79	6.26	36.88	61.31	68.20	-6.89	VERTICAL Peak
4	5570.000	84.74	31.86	6.33	36.89	86.04	-----	-----	VERTICAL Average
5 *	5570.000	94.82	31.86	6.33	36.89	96.12	68.20	27.92	VERTICAL Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



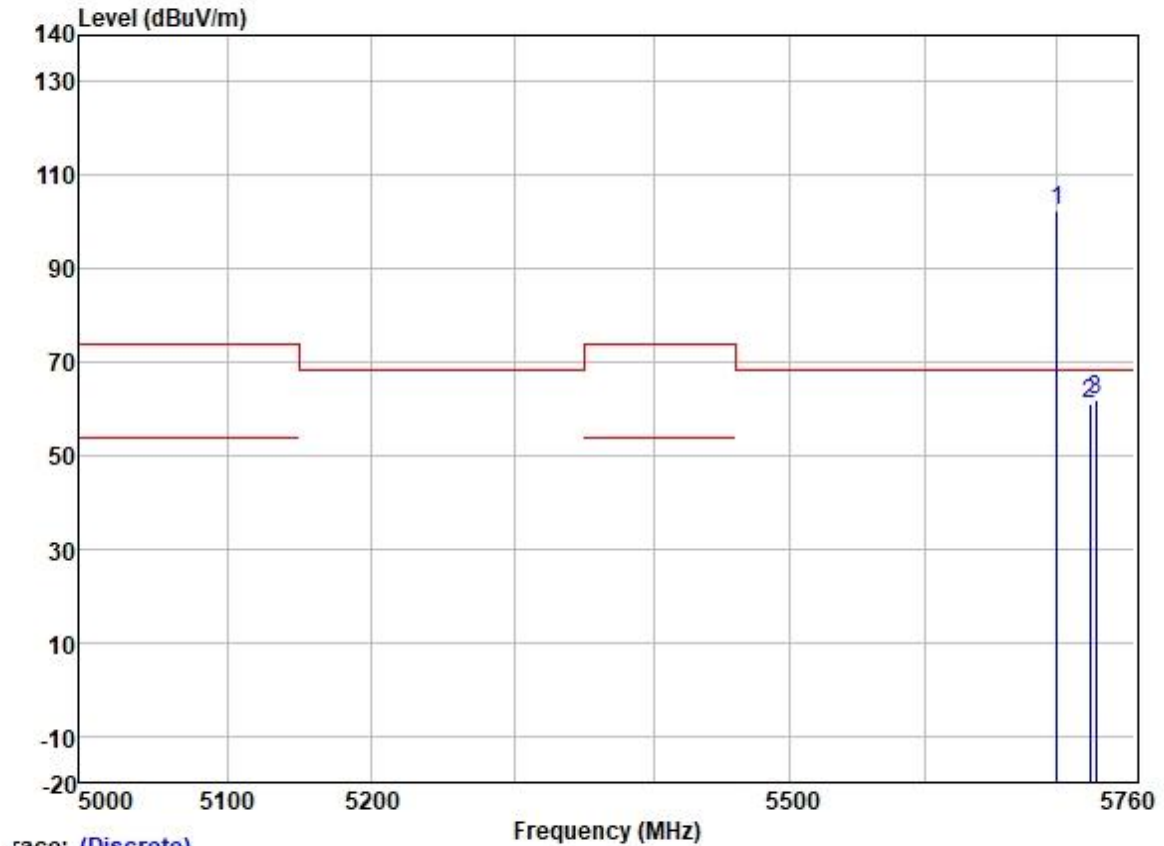
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5441.341	48.55	31.79	6.20	36.88	49.66	54.00	-4.34	HORIZONTAL Average
2	5443.734	60.83	31.79	6.20	36.88	61.94	74.00	-12.06	HORIZONTAL Peak
3	5467.115	60.31	31.80	6.31	36.88	61.54	68.20	-6.66	HORIZONTAL Peak
4	5500.000	92.09	31.80	6.40	36.88	93.41	-----	-----	HORIZONTAL Average
5 *	5500.000	102.47	31.80	6.40	36.88	103.79	68.20	35.59	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5423.790	48.55	31.79	6.13	36.88	49.59	54.00	-4.41	VERTICAL Average
2	5431.782	60.57	31.79	6.13	36.88	61.61	74.00	-12.39	VERTICAL Peak
3	5465.673	60.29	31.80	6.31	36.88	61.52	68.20	-6.68	VERTICAL Peak
4	5500.000	96.64	31.80	6.40	36.88	97.96	-----	-----	VERTICAL Average
5 *	5500.000	107.71	31.80	6.40	36.88	109.03	68.20	40.83	VERTICAL Peak

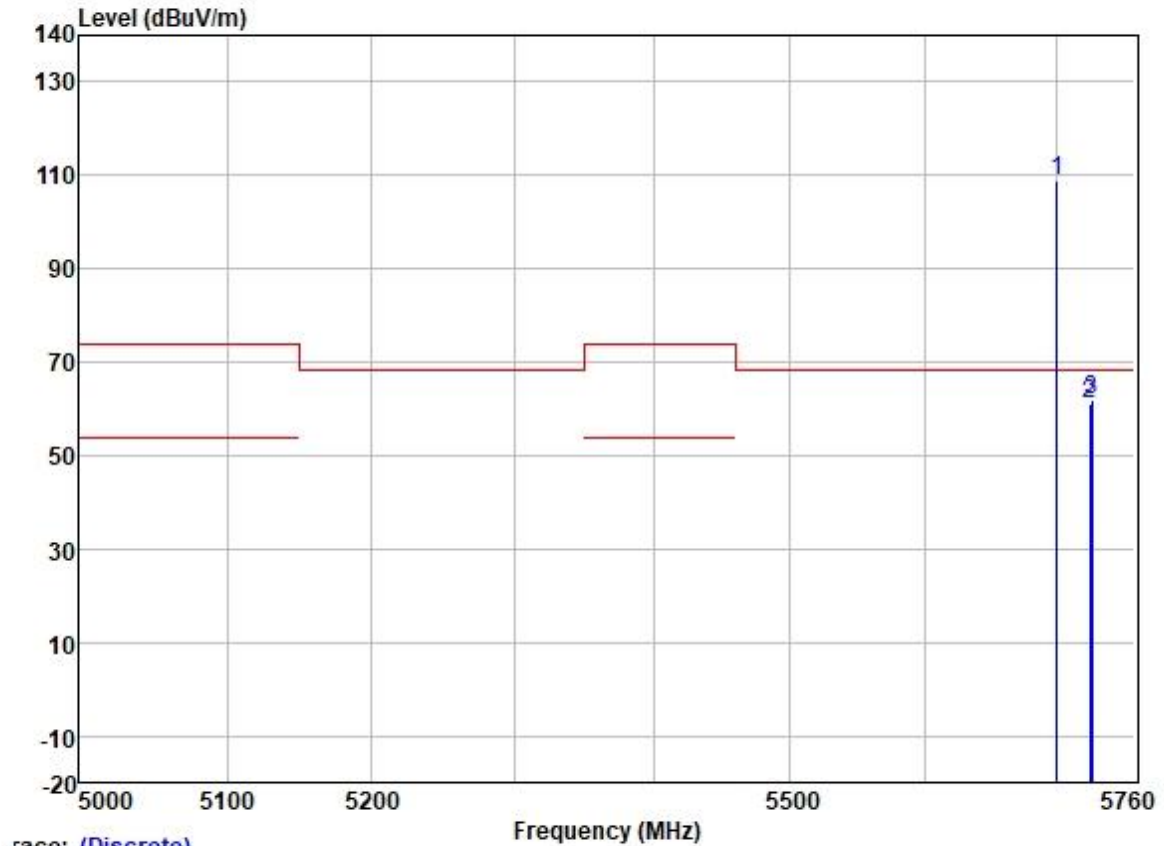
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	101.11	32.01	6.40	36.89	102.63	68.20	34.43	HORIZONTAL	Peak
2	5725.000	59.51	32.07	6.25	36.89	60.94	68.20	-7.26	HORIZONTAL	Peak
3	5729.582	60.30	32.07	6.25	36.89	61.73	68.20	-6.47	HORIZONTAL	Peak

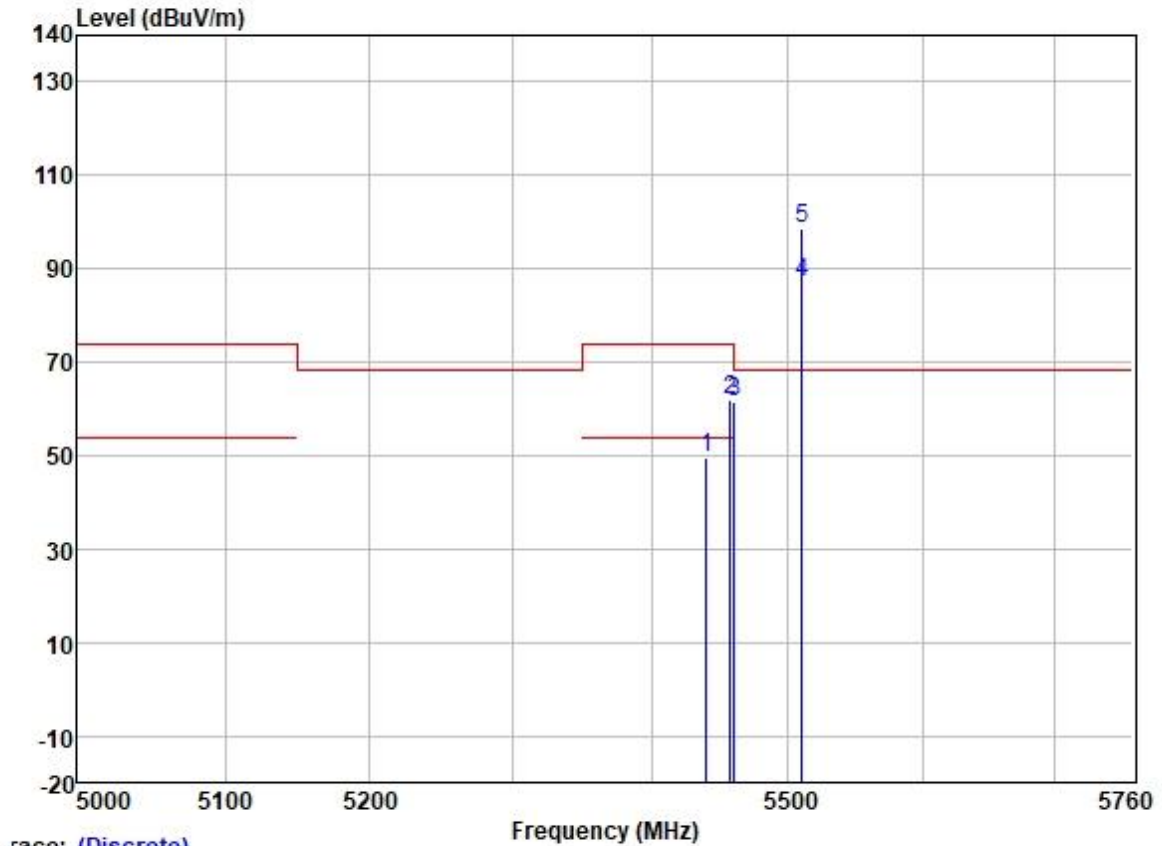
Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5700.000	107.52	32.01	6.40	36.89	109.04	68.20	40.84	VERTICAL	Peak
2	5725.000	59.77	32.07	6.25	36.89	61.20	68.20	-7.00	VERTICAL	Peak
3	5726.883	60.54	32.07	6.25	36.89	61.97	68.20	-6.23	VERTICAL	Peak

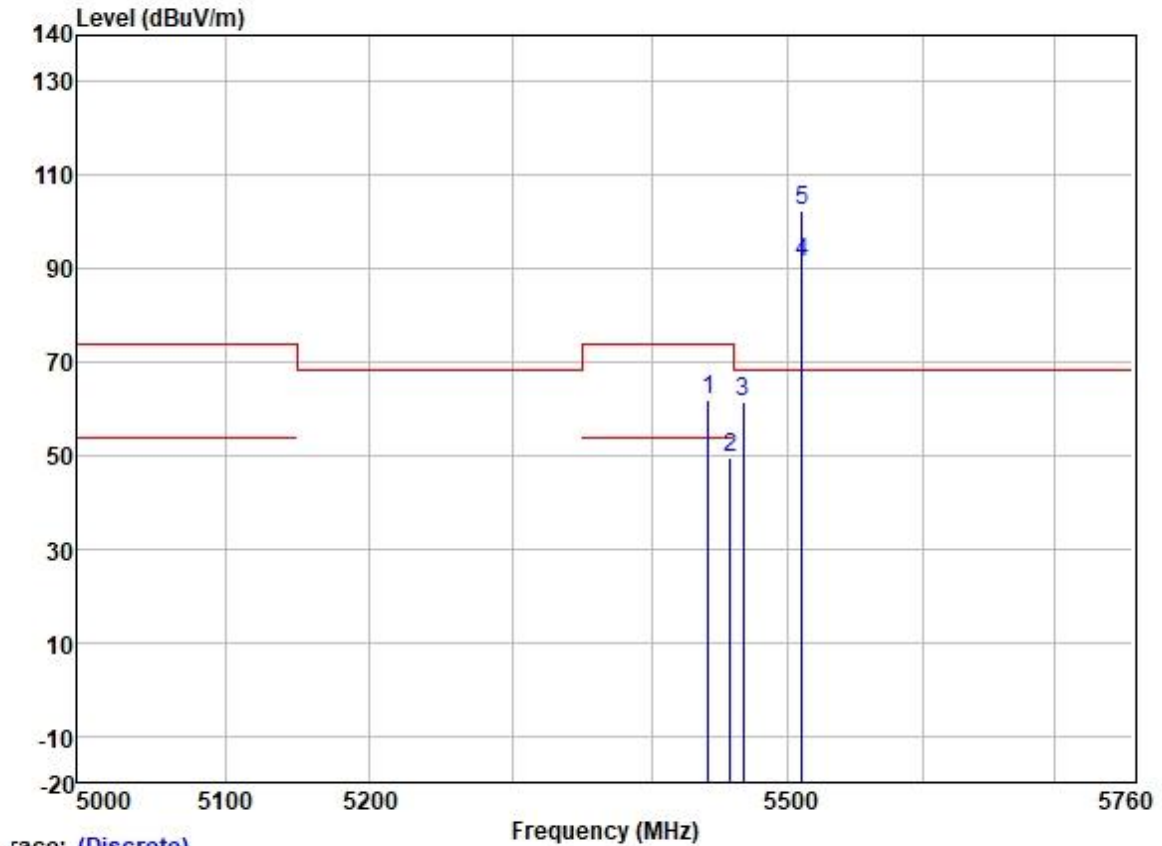
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

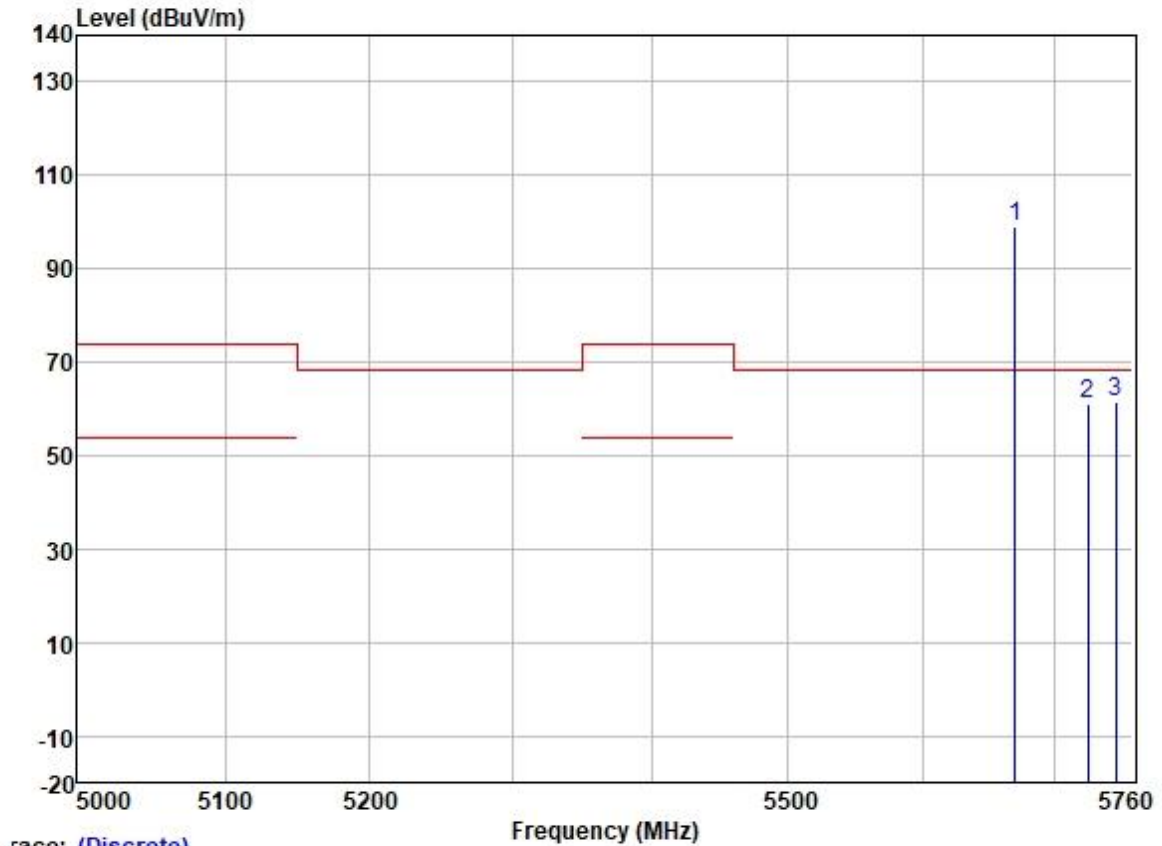
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5439.675	48.51	31.79	6.20	36.88	49.62	54.00	-4.38	HORIZONTAL Average
2	5457.106	60.82	31.79	6.26	36.88	61.99	74.00	-12.01	HORIZONTAL Peak
3	5460.180	60.43	31.79	6.26	36.88	61.60	68.20	-6.60	HORIZONTAL Peak
4	5510.000	85.82	31.80	6.40	36.88	87.14	-----	-----	HORIZONTAL Average
5 *	5510.000	97.11	31.80	6.40	36.88	98.43	68.20	30.23	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5441.207	60.71	31.79	6.20	36.88	61.82	74.00	-12.18	VERTICAL Peak
2	5457.106	48.41	31.79	6.26	36.88	49.58	54.00	-4.42	VERTICAL Average
3	5466.613	60.26	31.80	6.31	36.88	61.49	68.20	-6.71	VERTICAL Peak
4	5510.000	89.91	31.80	6.40	36.88	91.23	-----	-----	VERTICAL Average
5 *	5510.000	101.03	31.80	6.40	36.88	102.35	68.20	34.15	VERTICAL Peak

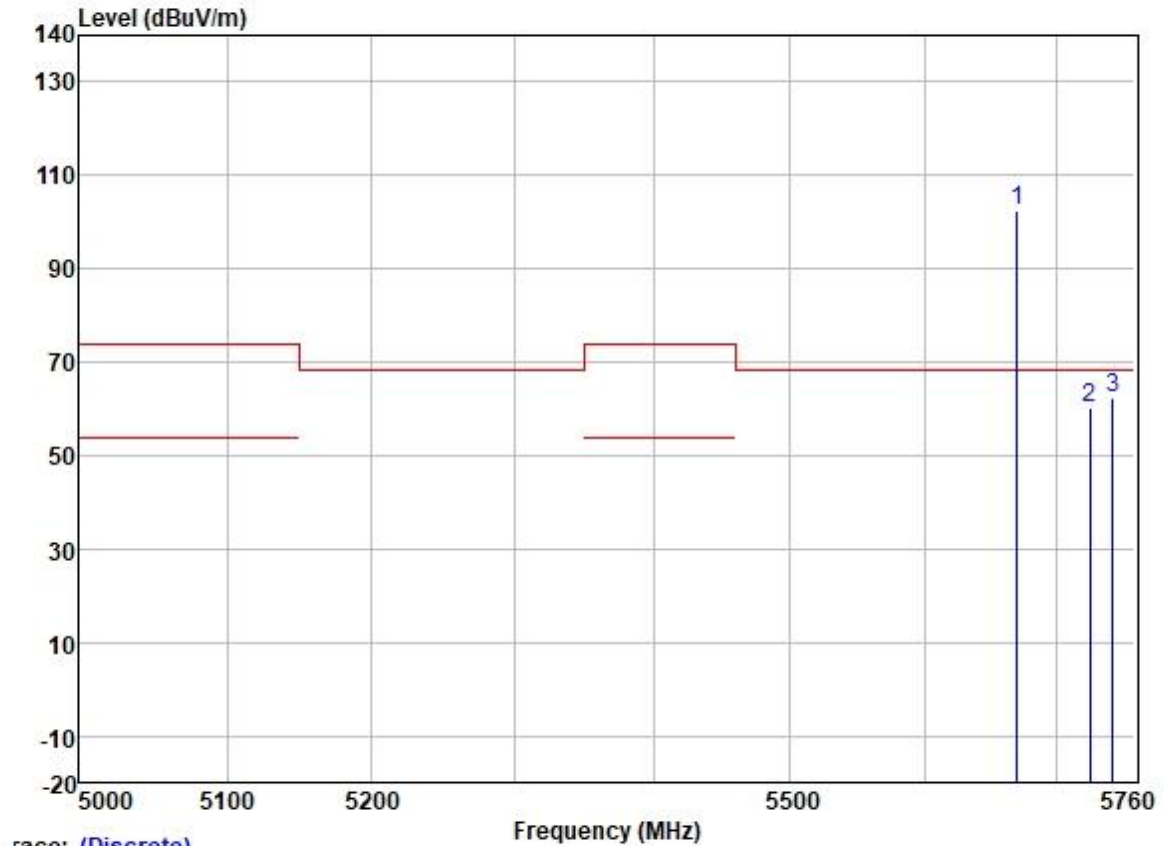
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

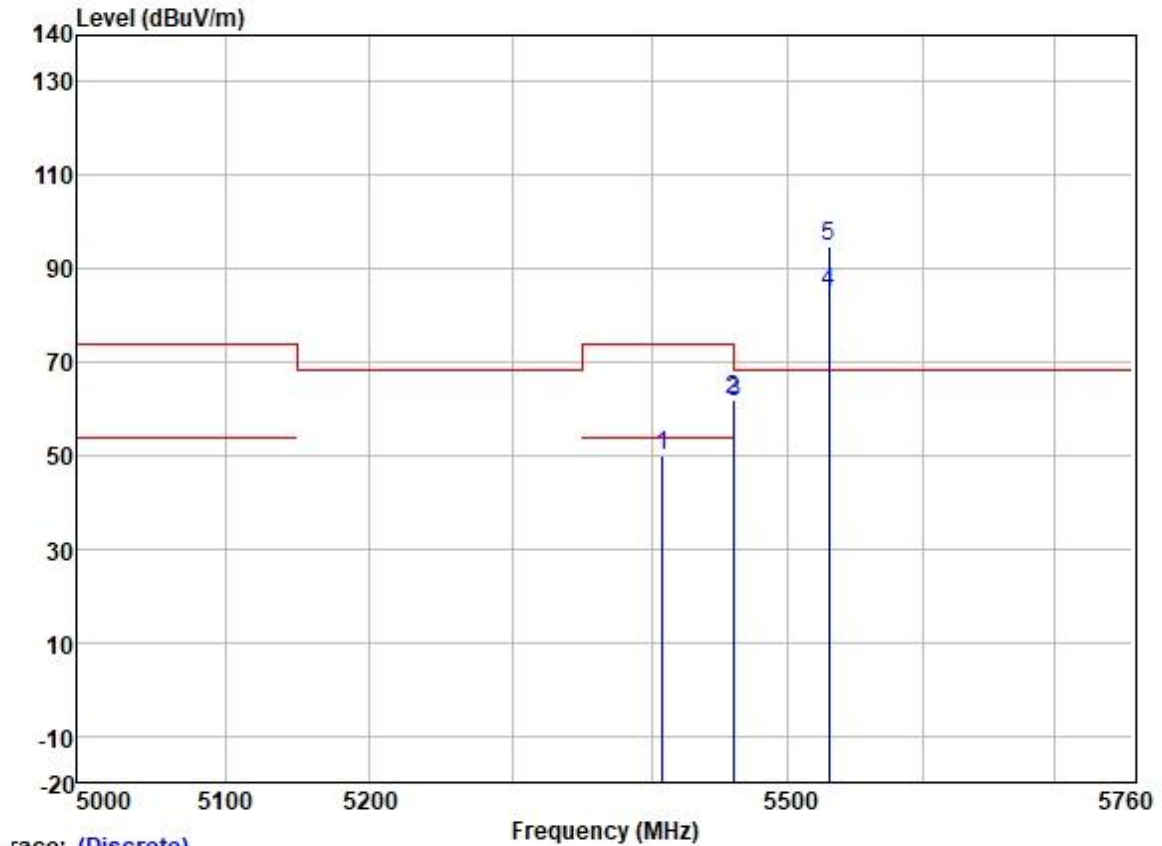
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	97.58	31.97	6.37	36.89	99.03	68.20	30.83	HORIZONTAL	Peak
2	5725.000	59.45	32.07	6.25	36.89	60.88	68.20	-7.32	HORIZONTAL	Peak
3	5746.227	60.25	32.10	6.20	36.89	61.66	68.20	-6.54	HORIZONTAL	Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



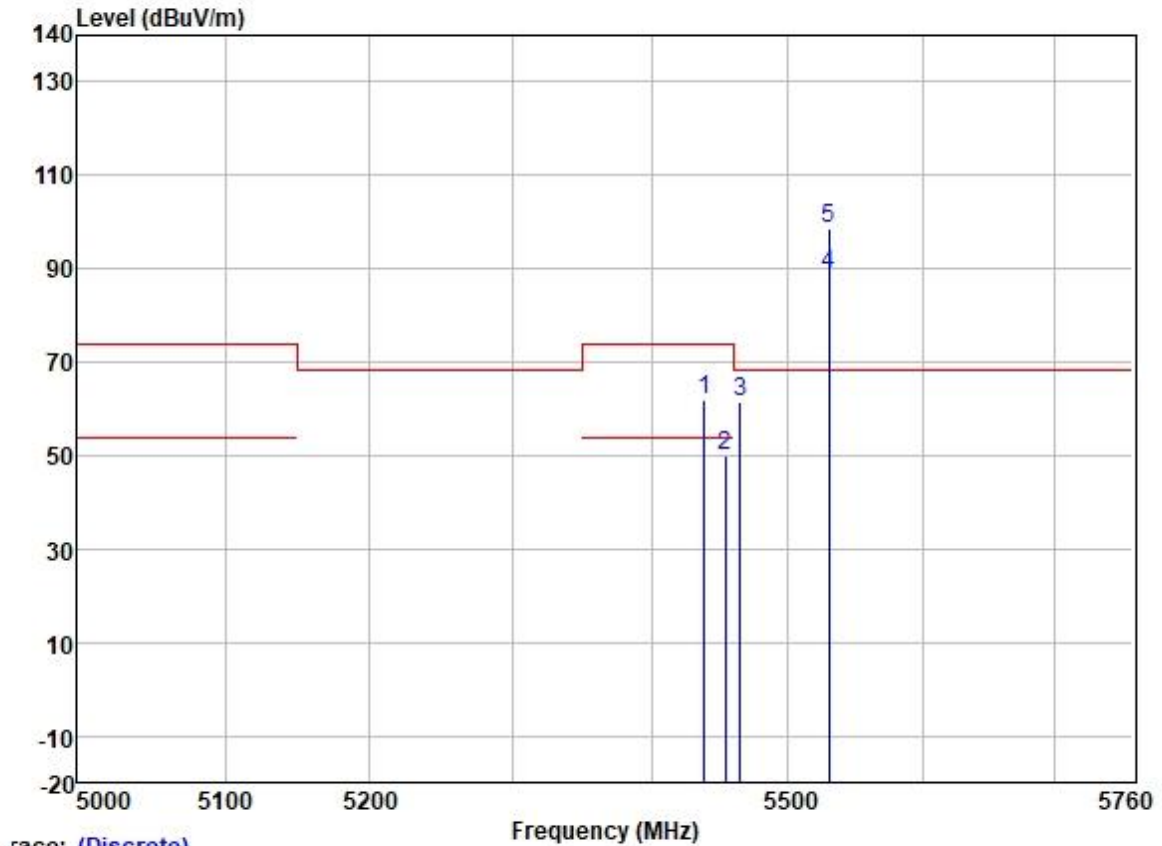
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	100.96	31.97	6.37	36.89	102.41	68.20	34.21	VERTICAL	Peak
2	5725.000	58.73	32.07	6.25	36.89	60.16	68.20	-8.04	VERTICAL	Peak
3	5742.706	60.90	32.10	6.20	36.89	62.31	68.20	-5.89	VERTICAL	Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; 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	5407.619	49.21	31.79	6.06	36.88	50.18	54.00	-3.82	HORIZONTAL	Average
2	5459.465	60.69	31.79	6.26	36.88	61.86	74.00	-12.14	HORIZONTAL	Peak
3	5460.360	60.31	31.79	6.26	36.88	61.48	68.20	-6.72	HORIZONTAL	Peak
4	5530.000	83.65	31.83	6.37	36.89	84.96	-----	-----	HORIZONTAL	Average
5 *	5530.000	93.65	31.83	6.37	36.89	94.96	68.20	26.76	HORIZONTAL	Peak

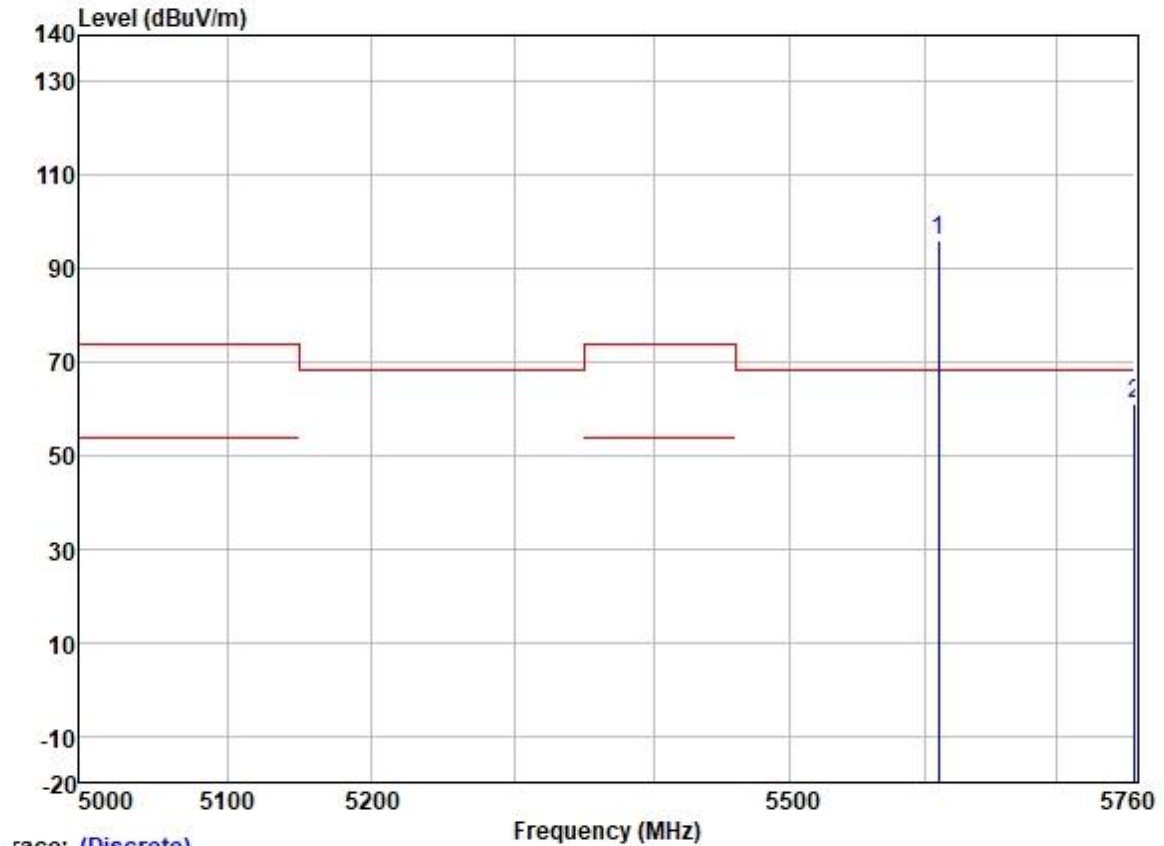
Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5438.560	60.66	31.79	6.20	36.88	61.77	74.00	-12.23	VERTICAL Peak
2	5453.561	48.80	31.79	6.26	36.88	49.97	54.00	-4.03	VERTICAL Average
3	5464.479	60.19	31.80	6.31	36.88	61.42	68.20	-6.78	VERTICAL Peak
4	5530.000	87.31	31.83	6.37	36.89	88.62	-----	-----	VERTICAL Average
5 *	5530.000	97.24	31.83	6.37	36.89	98.55	68.20	30.35	VERTICAL Peak

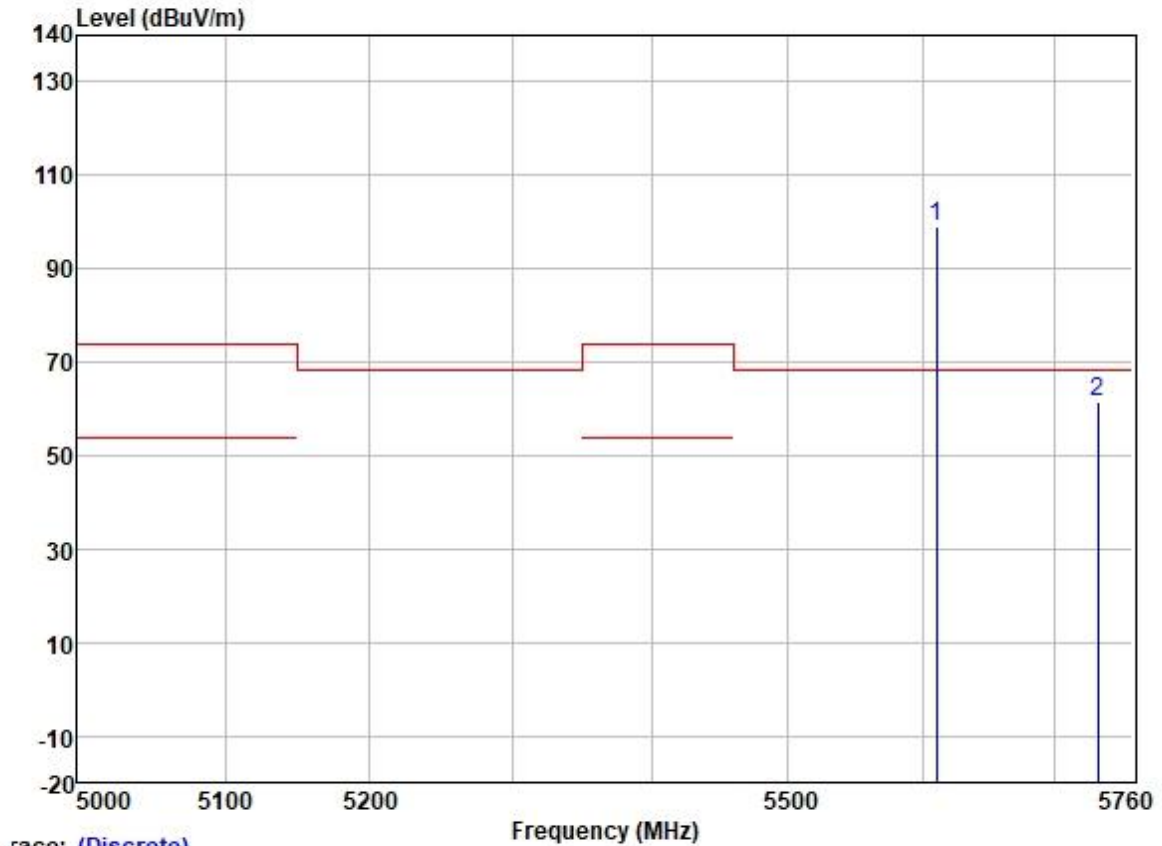
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:High



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	94.79	31.91	6.32	36.89	96.13	68.20	27.93	HORIZONTAL	Peak
2	5760.000	59.79	32.13	6.15	36.89	61.18	68.20	-7.02	HORIZONTAL	Peak

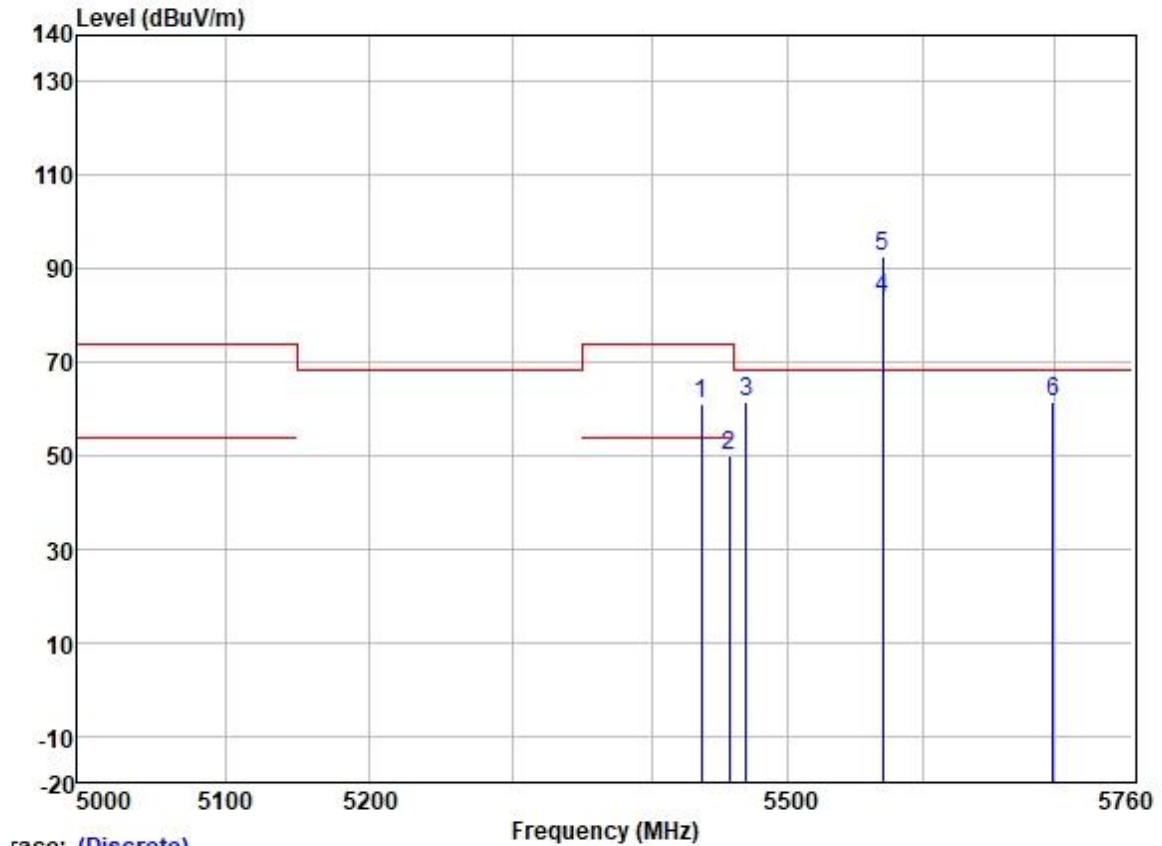
Test Mode: 24; Polarity: Vertical; Modulation: 802.11ax; Bandwidth: 80MHz; Channel: High



Trace: (Discrete)

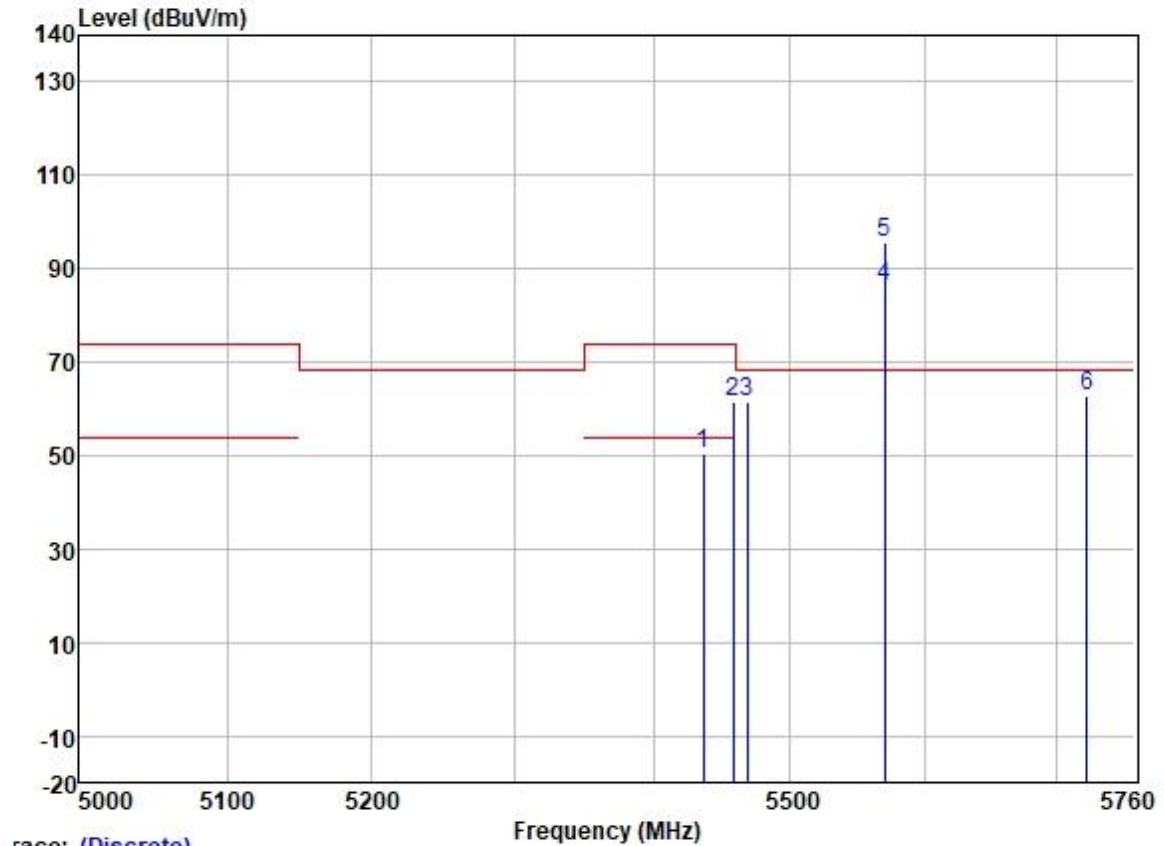
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	97.71	31.91	6.32	36.89	99.05	68.20	30.85	VERTICAL	Peak
2	5732.991	60.27	32.07	6.25	36.89	61.70	68.20	-6.50	VERTICAL	Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



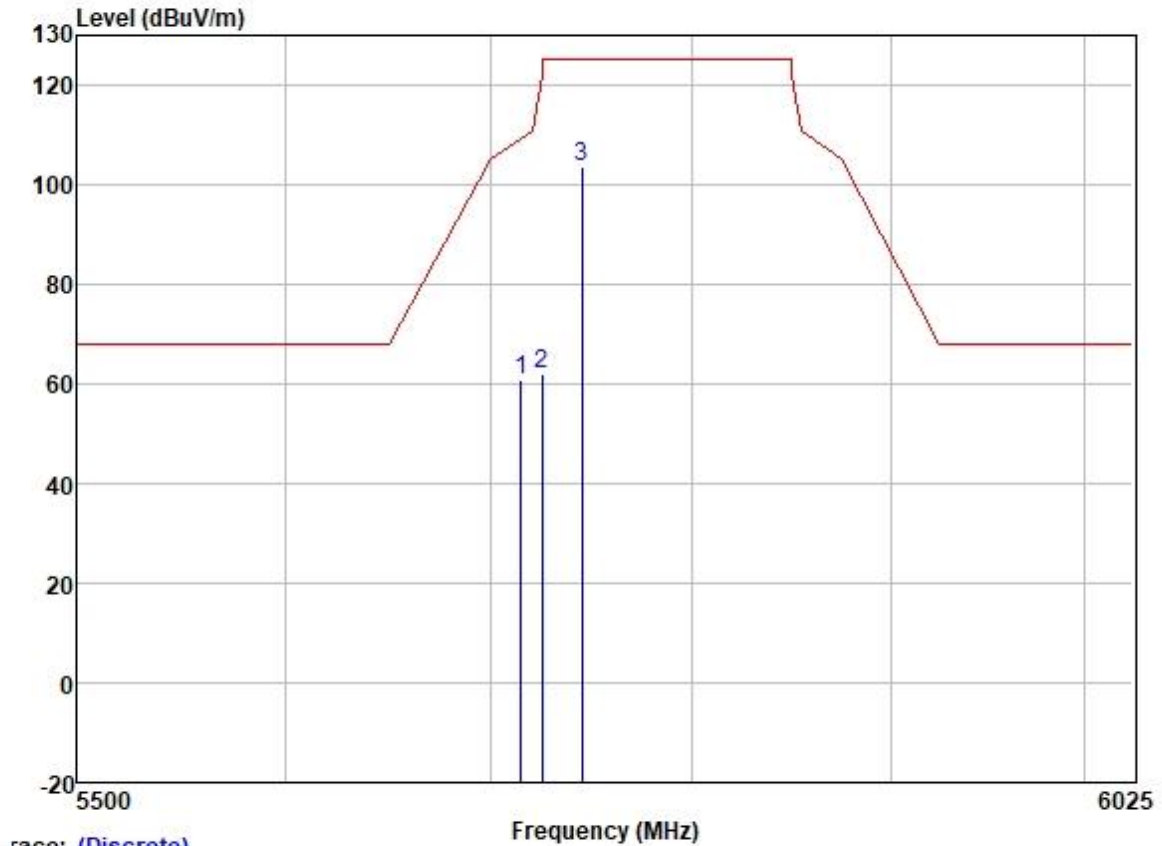
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5436.367	60.13	31.79	6.20	36.88	61.24	74.00	-12.76	HORIZONTAL	Peak
2	5456.754	48.76	31.79	6.26	36.88	49.93	54.00	-4.07	HORIZONTAL	Average
3	5468.741	60.22	31.80	6.31	36.88	61.45	68.20	-6.75	HORIZONTAL	Peak
4	5570.000	82.36	31.86	6.33	36.89	83.66	-----	-----	HORIZONTAL	Average
5 *	5570.000	91.46	31.86	6.33	36.89	92.76	68.20	24.56	HORIZONTAL	Peak
6	5698.620	59.96	32.01	6.40	36.89	61.48	68.20	-6.72	HORIZONTAL	Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



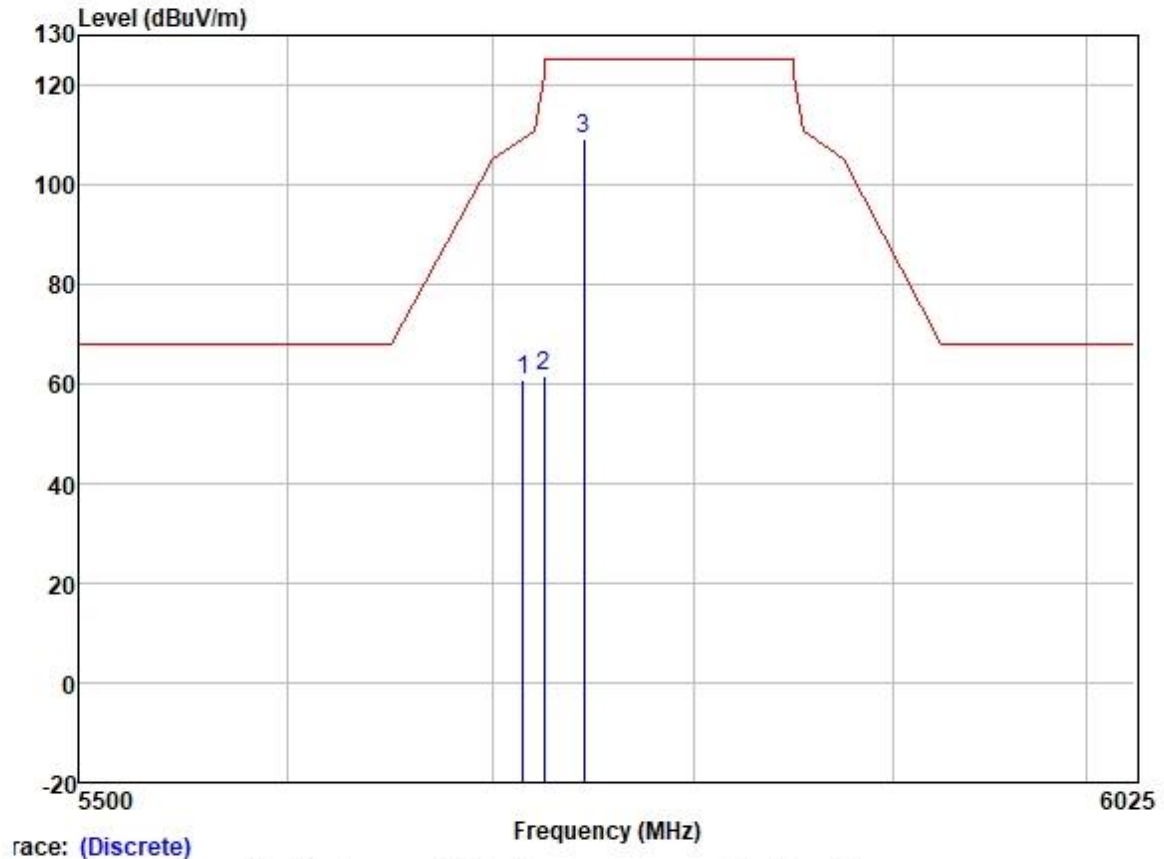
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5436.016	49.26	31.79	6.20	36.88	50.37	54.00	-3.63	VERTICAL
2	5457.811	60.16	31.79	6.26	36.88	61.33	74.00	-12.67	VERTICAL
3	5468.036	60.07	31.80	6.31	36.88	61.30	68.20	-6.90	VERTICAL
4	5570.000	85.02	31.86	6.33	36.89	86.32	-----	-----	VERTICAL
5 *	5570.000	94.43	31.86	6.33	36.89	95.73	68.20	27.53	VERTICAL
6	5722.576	61.55	32.07	6.25	36.89	62.98	68.20	-5.22	VERTICAL

Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



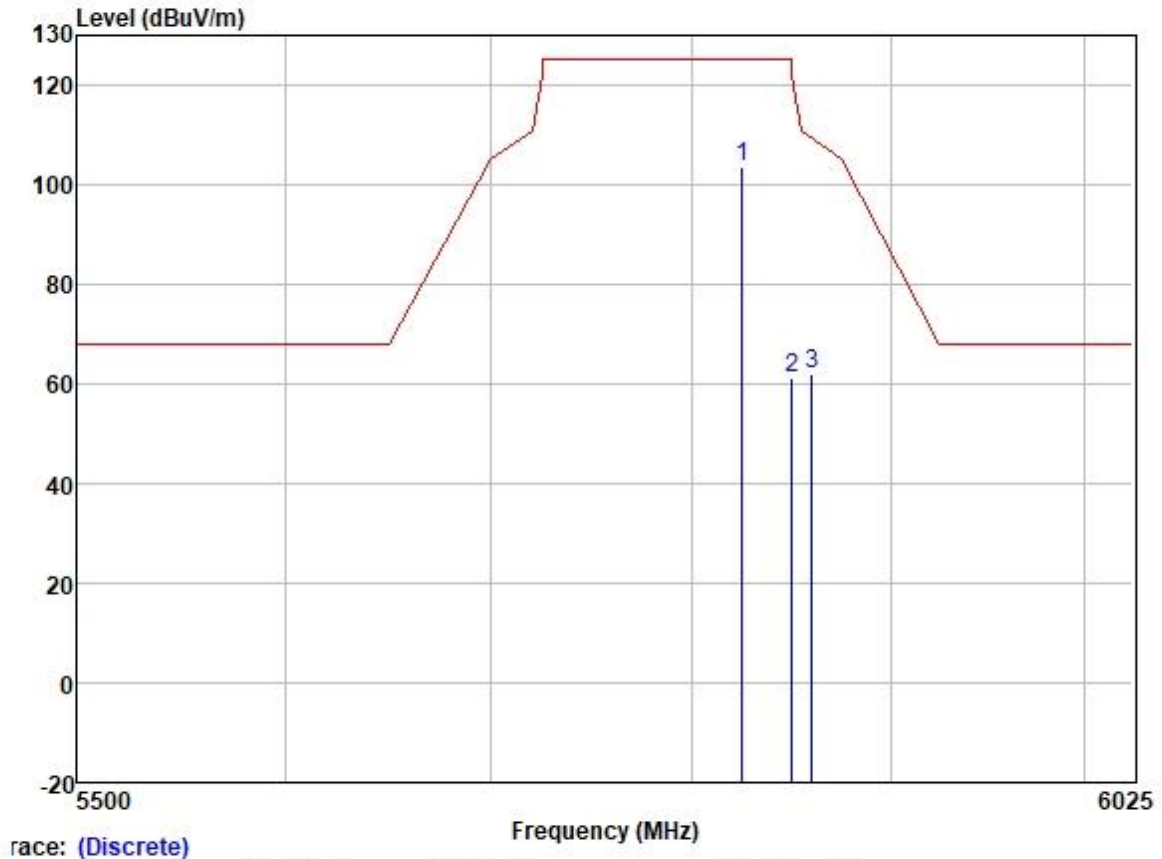
	Freq	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5715.000	59.40	32.04	6.33	36.89	60.88	109.40	-48.52	HORIZONTAL Peak
2	5725.000	60.69	32.07	6.25	36.89	62.12	122.20	-60.08	HORIZONTAL Peak
3	5745.000	102.34	32.10	6.20	36.89	103.75	125.20	-21.45	HORIZONTAL Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.38	32.04	6.33	36.89	60.86	109.40	-48.54	VERTICAL	Peak
2	5725.000	60.22	32.07	6.25	36.89	61.65	122.20	-60.55	VERTICAL	Peak
3	5745.000	107.87	32.10	6.20	36.89	109.28	125.20	-15.92	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



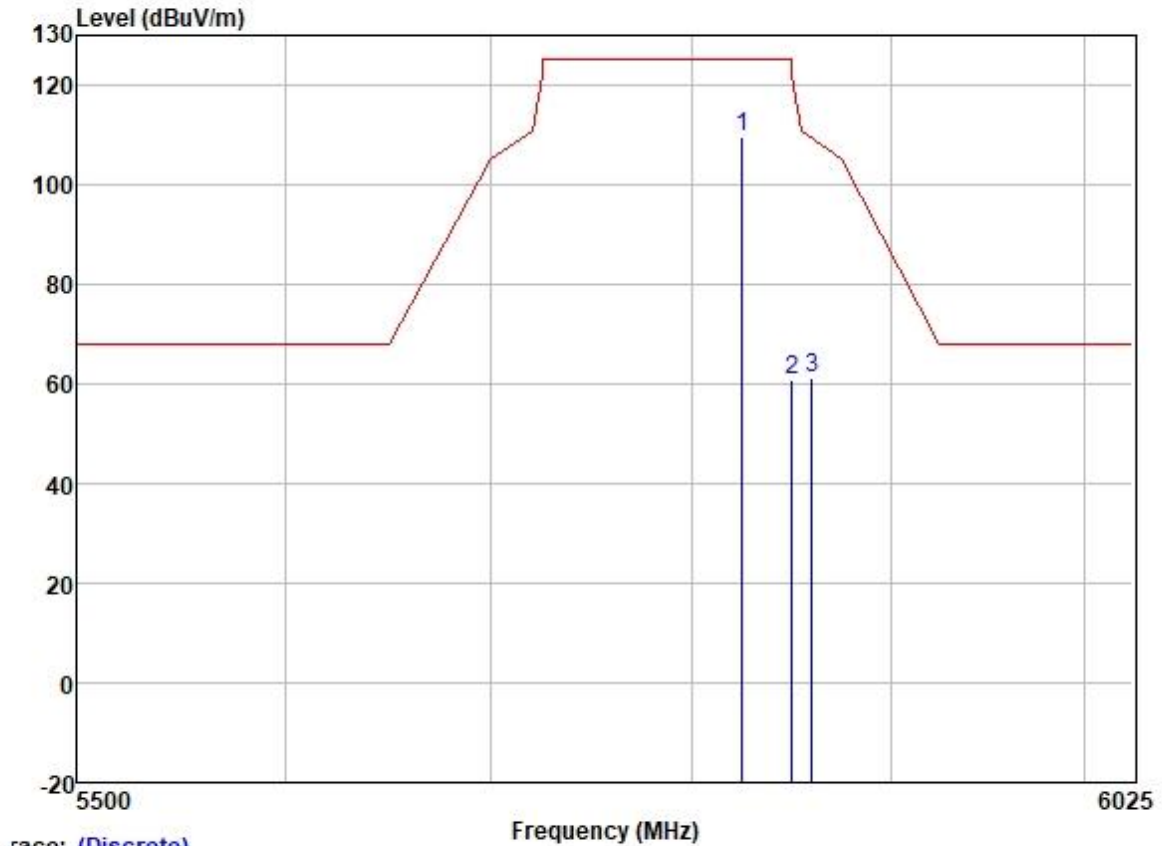
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	102.35	32.23	6.04	36.90	103.72	125.20	-21.48	HORIZONTAL	Peak
2	5850.000	60.00	32.25	6.00	36.90	61.35	122.20	-60.85	HORIZONTAL	Peak
3	5860.000	60.78	32.27	5.96	36.90	62.11	109.40	-47.29	HORIZONTAL	Peak



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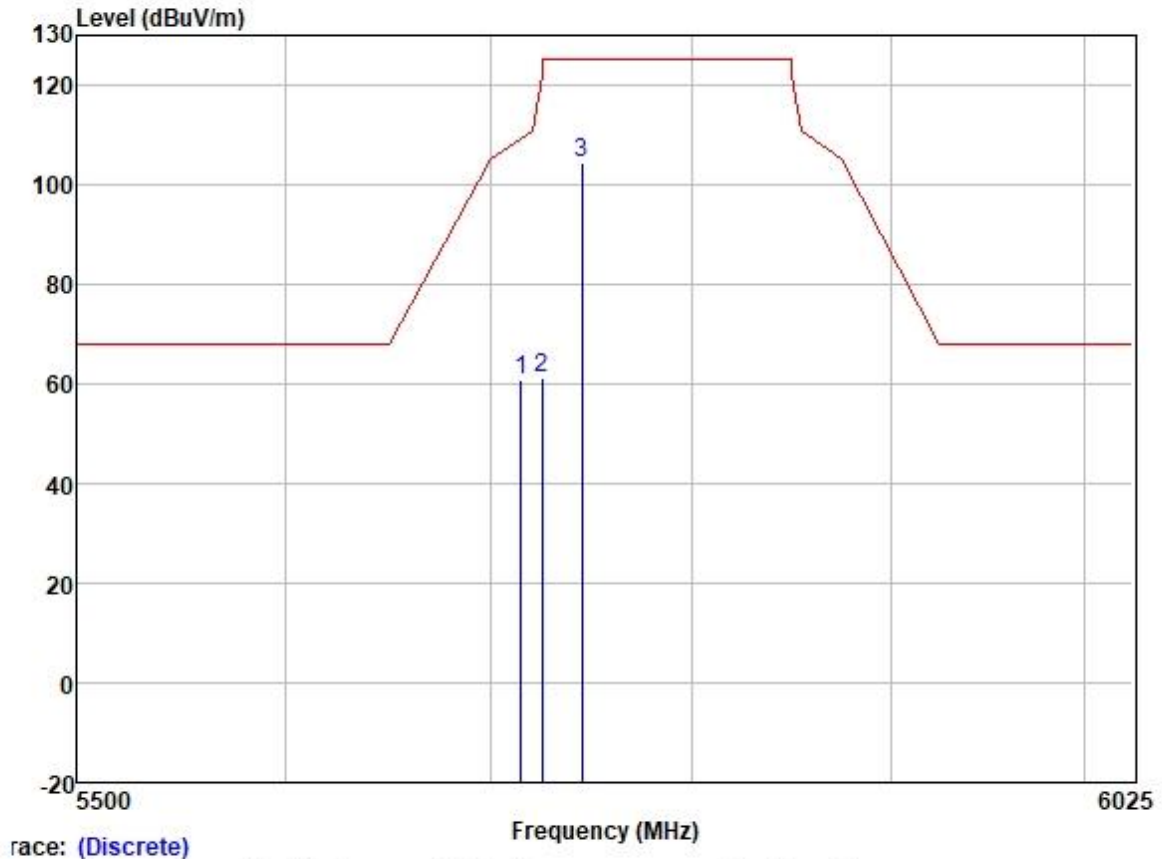
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Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



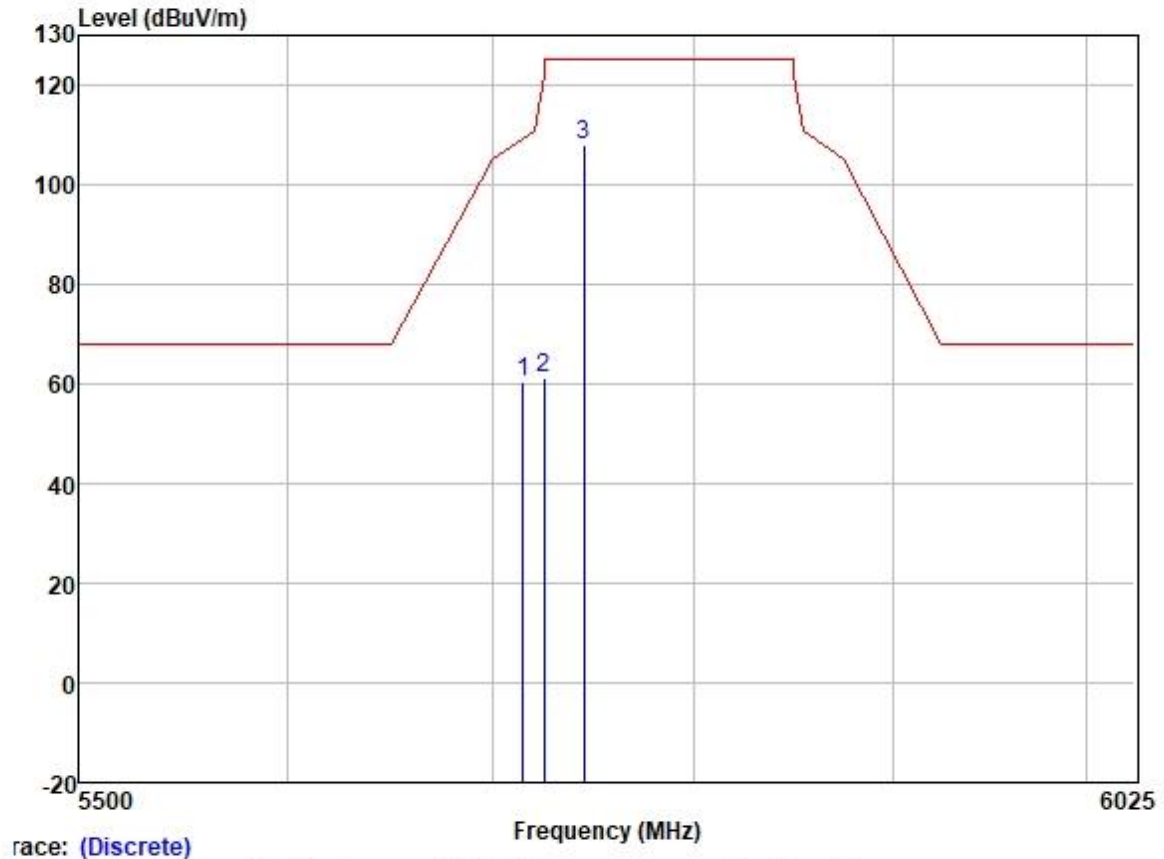
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	108.23	32.23	6.04	36.90	109.60	125.20	-15.60	VERTICAL	Peak
2	5850.000	59.46	32.25	6.00	36.90	60.81	122.20	-61.39	VERTICAL	Peak
3	5860.000	59.91	32.27	5.96	36.90	61.24	109.40	-48.16	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



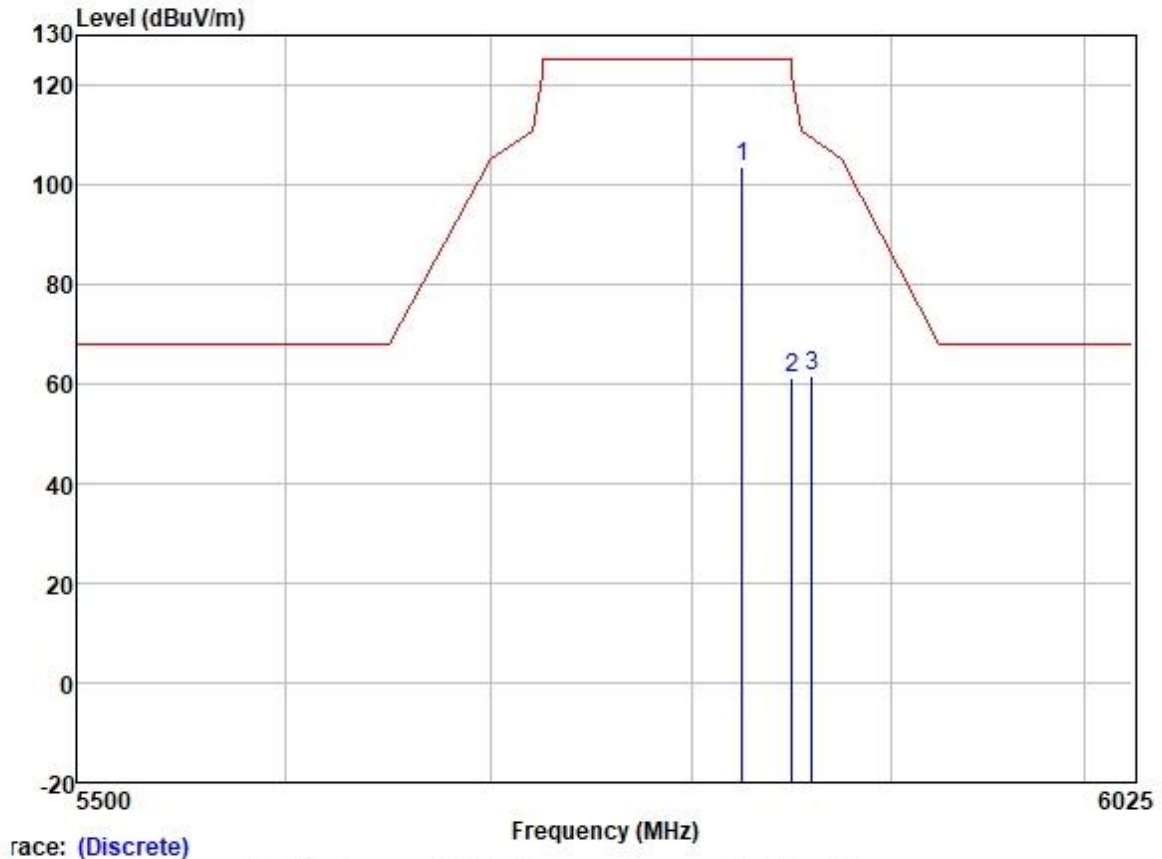
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.26	32.04	6.33	36.89	60.74	109.40	-48.66	HORIZONTAL	Peak
2	5725.000	59.90	32.07	6.25	36.89	61.33	122.20	-60.87	HORIZONTAL	Peak
3	5745.000	102.83	32.10	6.20	36.89	104.24	125.20	-20.96	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



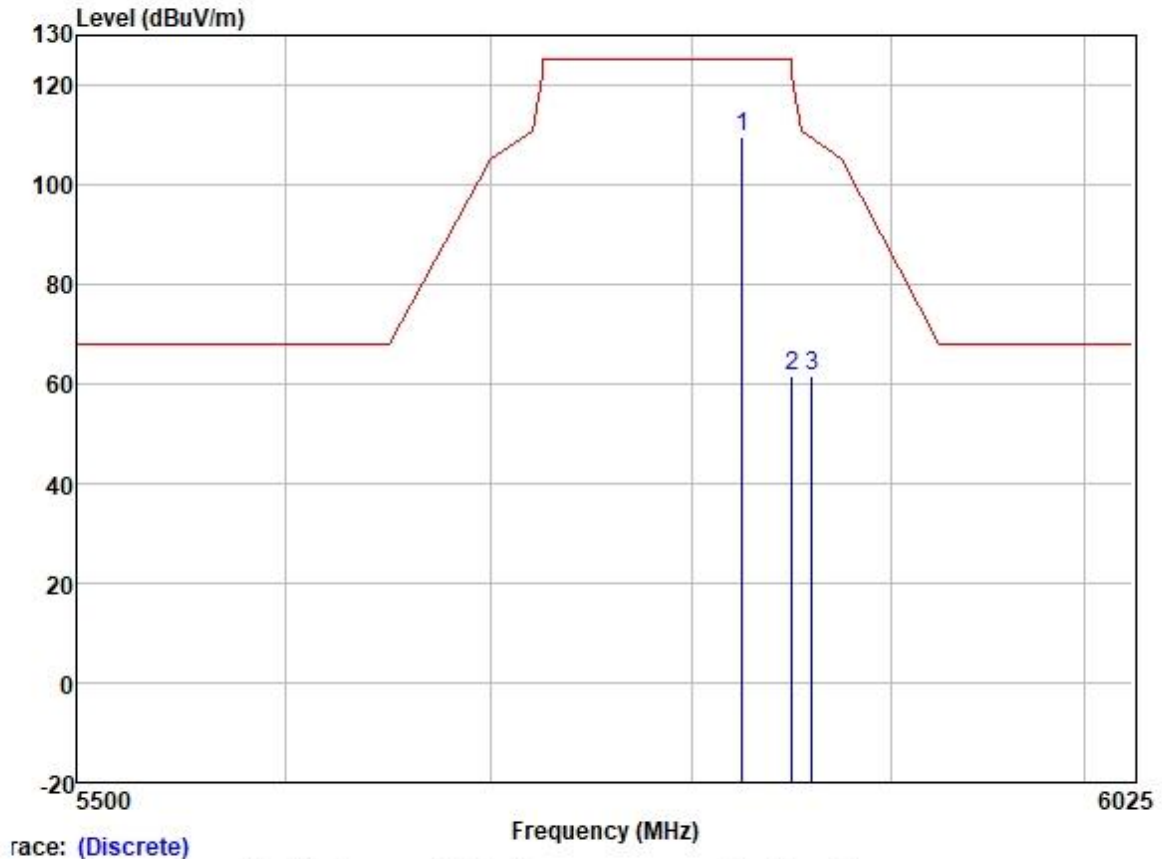
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.08	32.04	6.33	36.89	60.56	109.40	-48.84	VERTICAL	Peak
2	5725.000	59.83	32.07	6.25	36.89	61.26	122.20	-60.94	VERTICAL	Peak
3	5745.000	106.49	32.10	6.20	36.89	107.90	125.20	-17.30	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



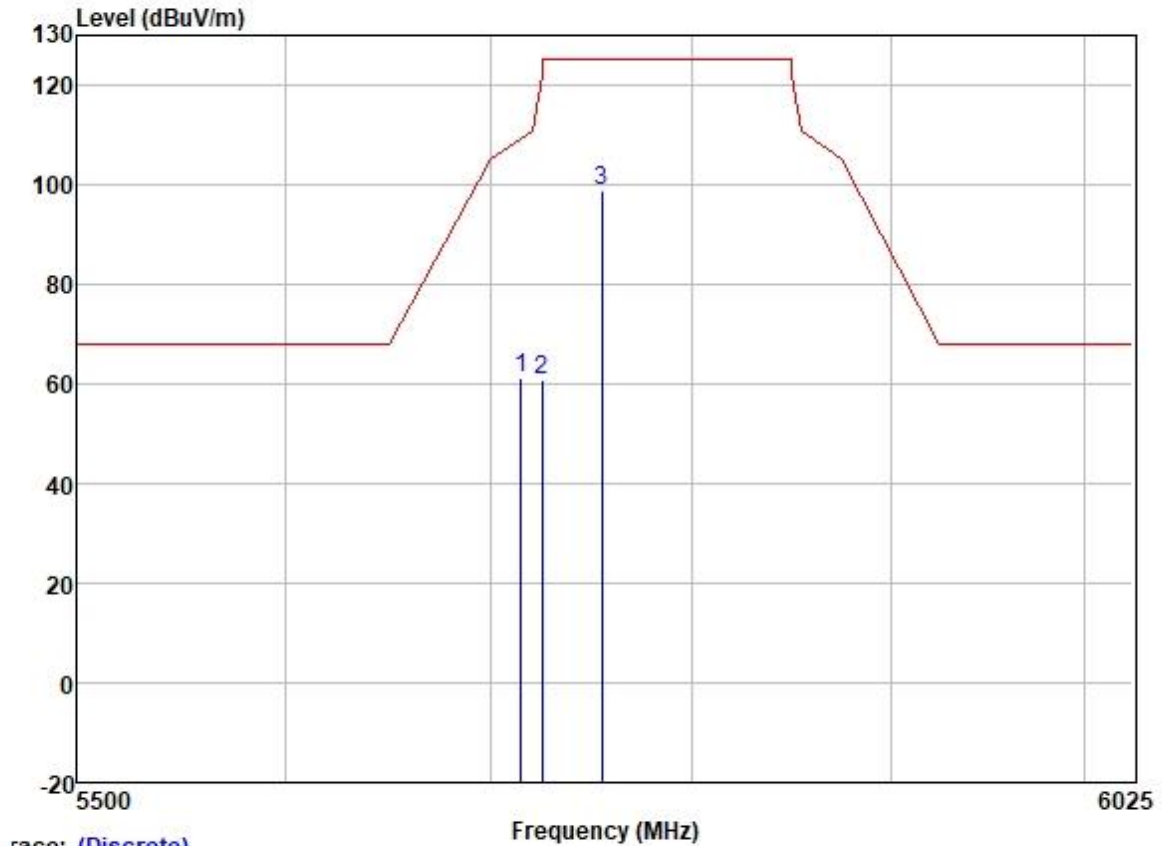
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	102.12	32.23	6.04	36.90	103.49	125.20	-21.71	HORIZONTAL	Peak
2	5850.000	59.90	32.25	6.00	36.90	61.25	122.20	-60.95	HORIZONTAL	Peak
3	5860.000	60.15	32.27	5.96	36.90	61.48	109.40	-47.92	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; 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	5825.000	108.41	32.23	6.04	36.90	109.78	125.20	-15.42	VERTICAL	Peak
2	5850.000	60.22	32.25	6.00	36.90	61.57	122.20	-60.63	VERTICAL	Peak
3	5860.000	60.17	32.27	5.96	36.90	61.50	109.40	-47.90	VERTICAL	Peak

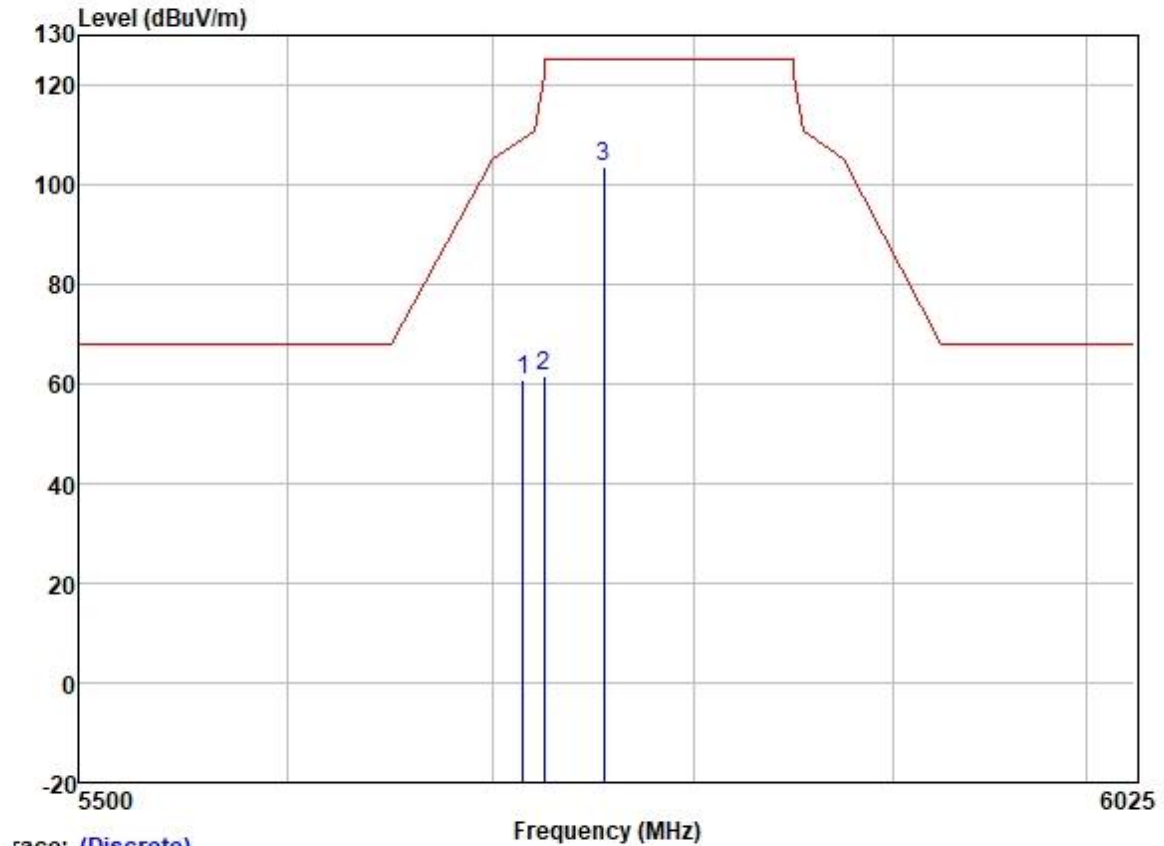
Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

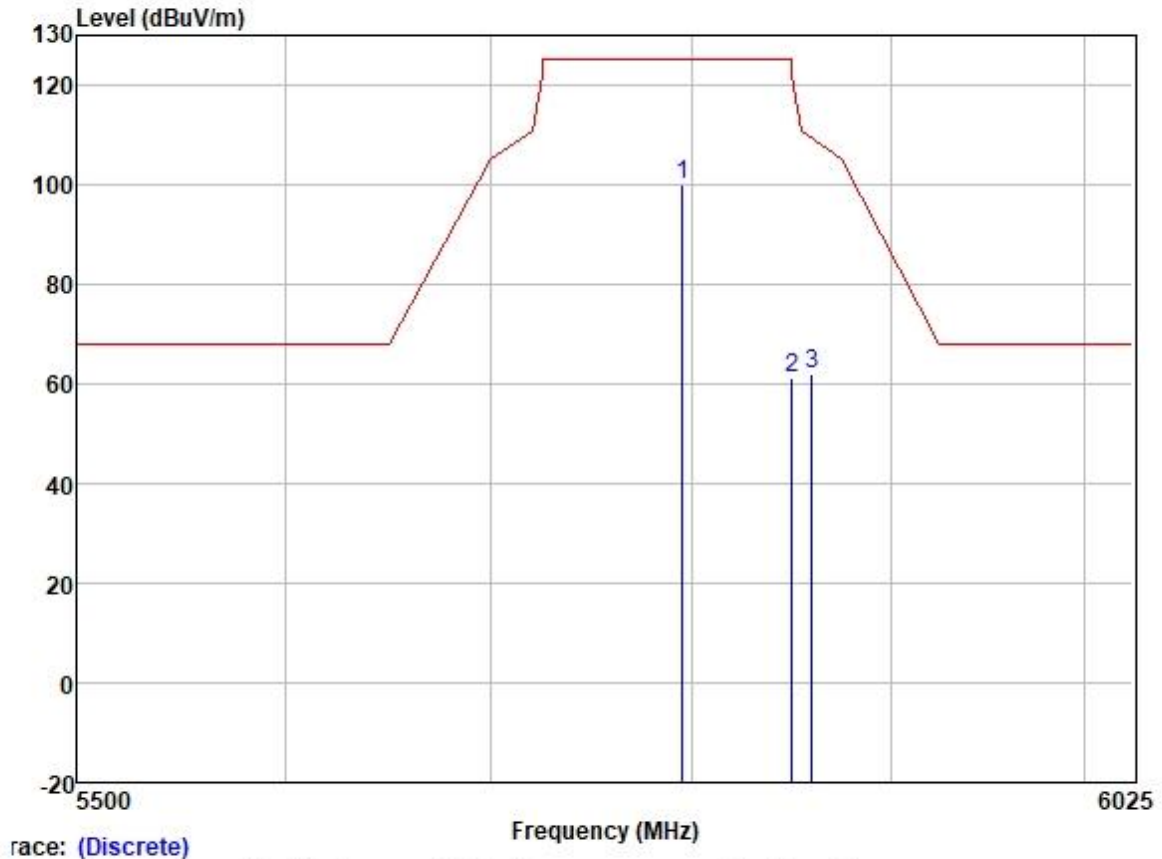
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.66	32.04	6.33	36.89	61.14	109.40	-48.26	HORIZONTAL	Peak
2	5725.000	59.30	32.07	6.25	36.89	60.73	122.20	-61.47	HORIZONTAL	Peak
3	5755.000	97.35	32.10	6.20	36.89	98.76	125.20	-26.44	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



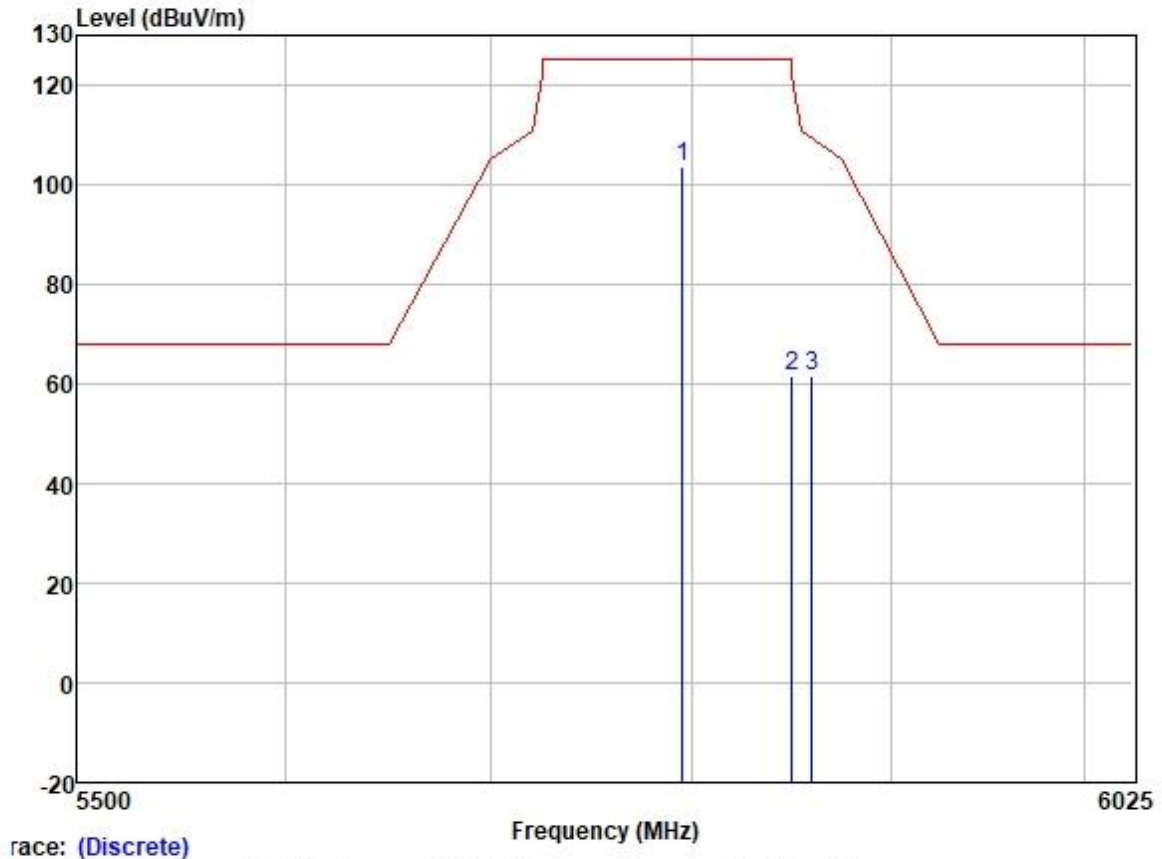
		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.23	32.04	6.33	36.89	60.71	109.40	-48.69	VERTICAL	Peak
2	5725.000	60.15	32.07	6.25	36.89	61.58	122.20	-60.62	VERTICAL	Peak
3	5755.000	102.18	32.10	6.20	36.89	103.59	125.20	-21.61	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



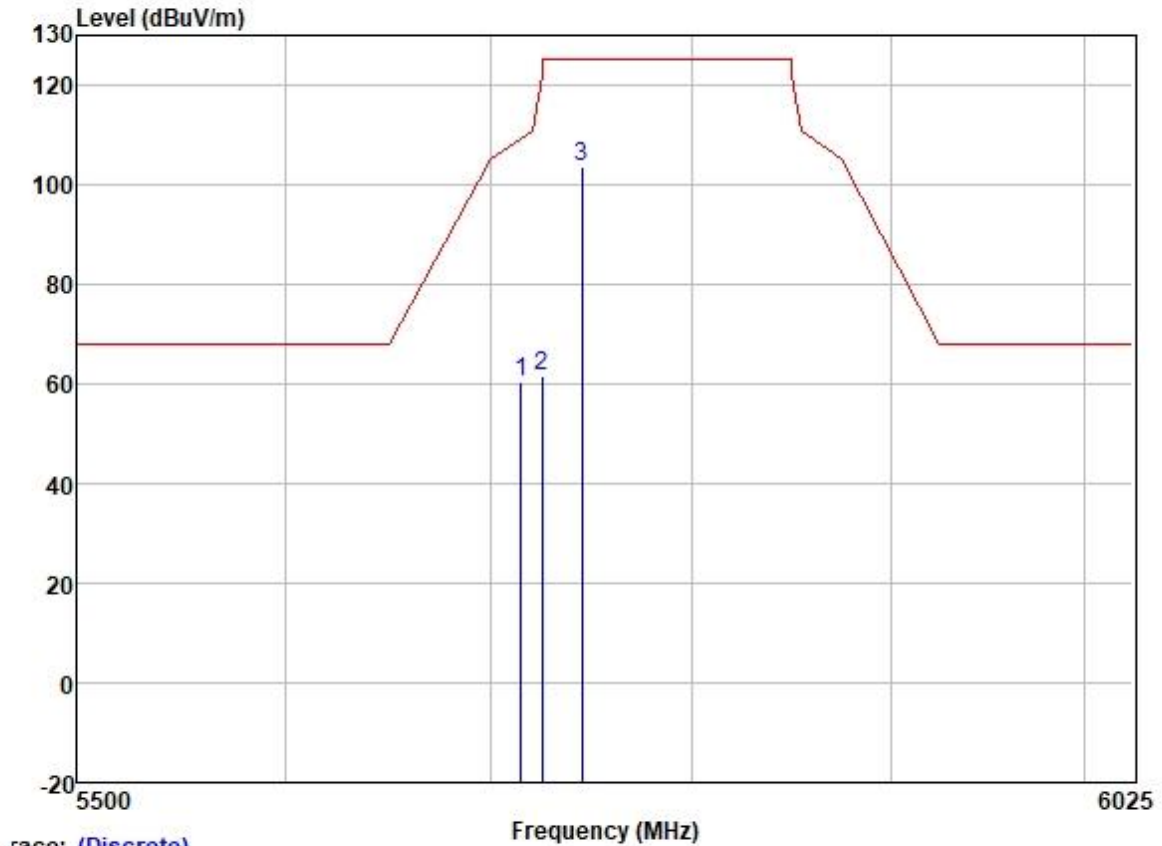
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	98.75	32.19	6.10	36.89	100.15	125.20	-25.05	HORIZONTAL	Peak
2	5850.000	59.95	32.25	6.00	36.90	61.30	122.20	-60.90	HORIZONTAL	Peak
3	5860.000	60.65	32.27	5.96	36.90	61.98	109.40	-47.42	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



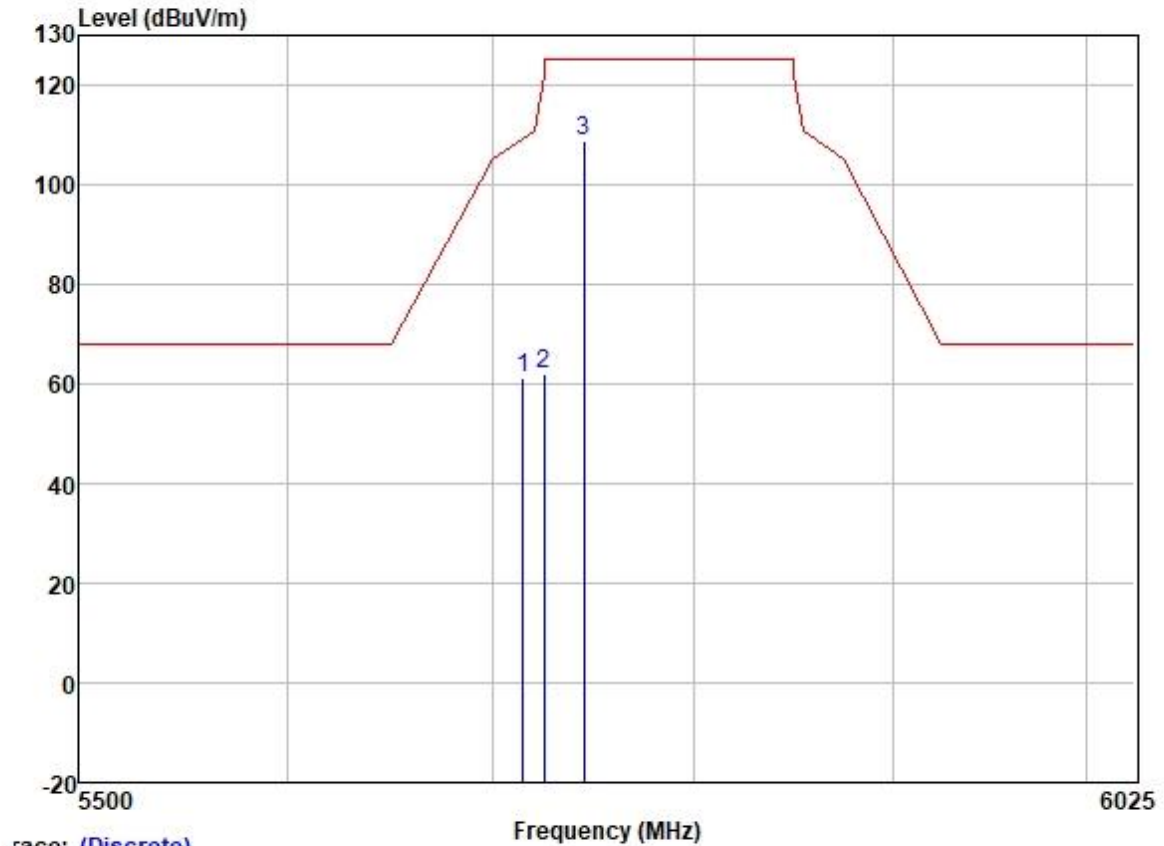
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	102.22	32.19	6.10	36.89	103.62	125.20	-21.58	VERTICAL	Peak
2	5850.000	60.40	32.25	6.00	36.90	61.75	122.20	-60.45	VERTICAL	Peak
3	5860.000	60.15	32.27	5.96	36.90	61.48	109.40	-47.92	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; 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	5715.000	59.02	32.04	6.33	36.89	60.50	109.40	-48.90	HORIZONTAL Peak
2	5725.000	60.33	32.07	6.25	36.89	61.76	122.20	-60.44	HORIZONTAL Peak
3	5745.000	102.28	32.10	6.20	36.89	103.69	125.20	-21.51	HORIZONTAL Peak

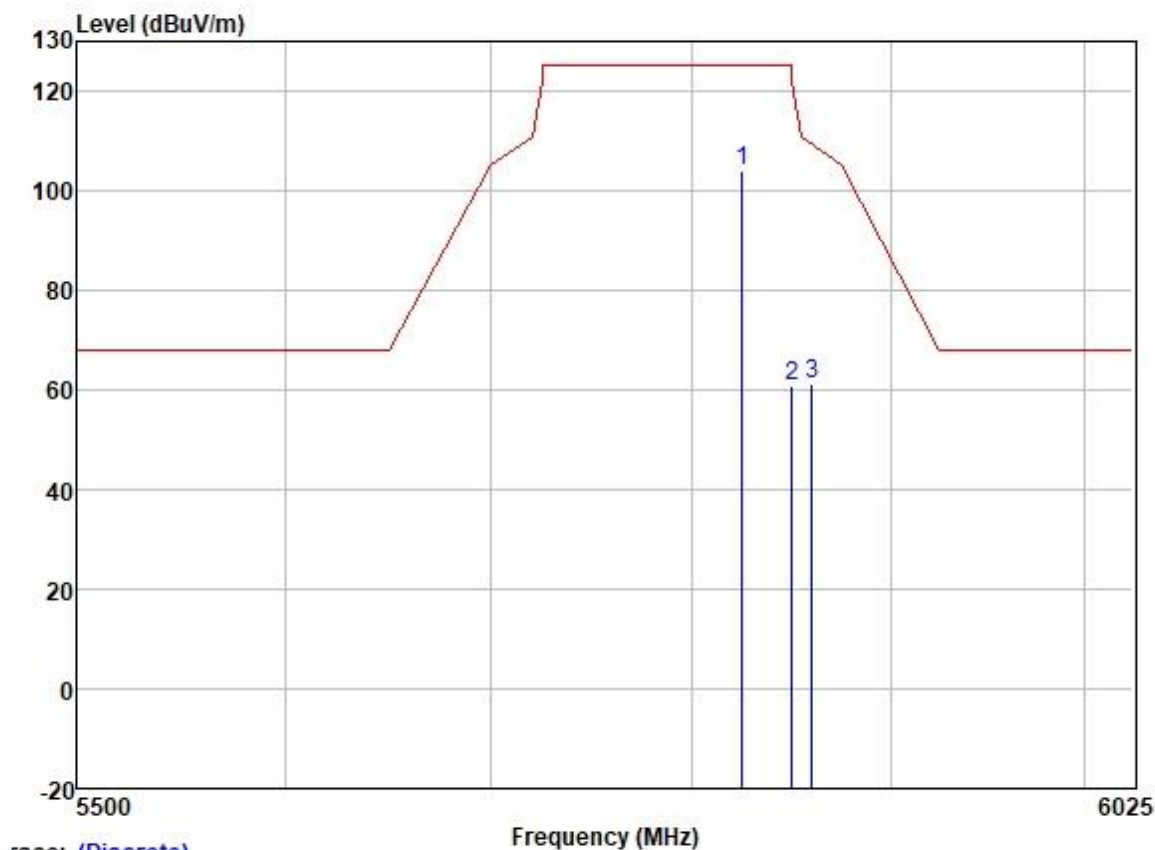
Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.80	32.04	6.33	36.89	61.28	109.40	-48.12	VERTICAL	Peak
2	5725.000	60.55	32.07	6.25	36.89	61.98	122.20	-60.22	VERTICAL	Peak
3	5745.000	107.30	32.10	6.20	36.89	108.71	125.20	-16.49	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: High



race: (Discrete)

	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	5825.000	102.44	32.23	6.04	36.90	103.81	125.20	-21.39	HORIZONTAL Peak
2	5850.000	59.64	32.25	6.00	36.90	60.99	122.20	-61.21	HORIZONTAL Peak
3	5860.000	59.92	32.27	5.96	36.90	61.25	109.40	-48.15	HORIZONTAL Peak

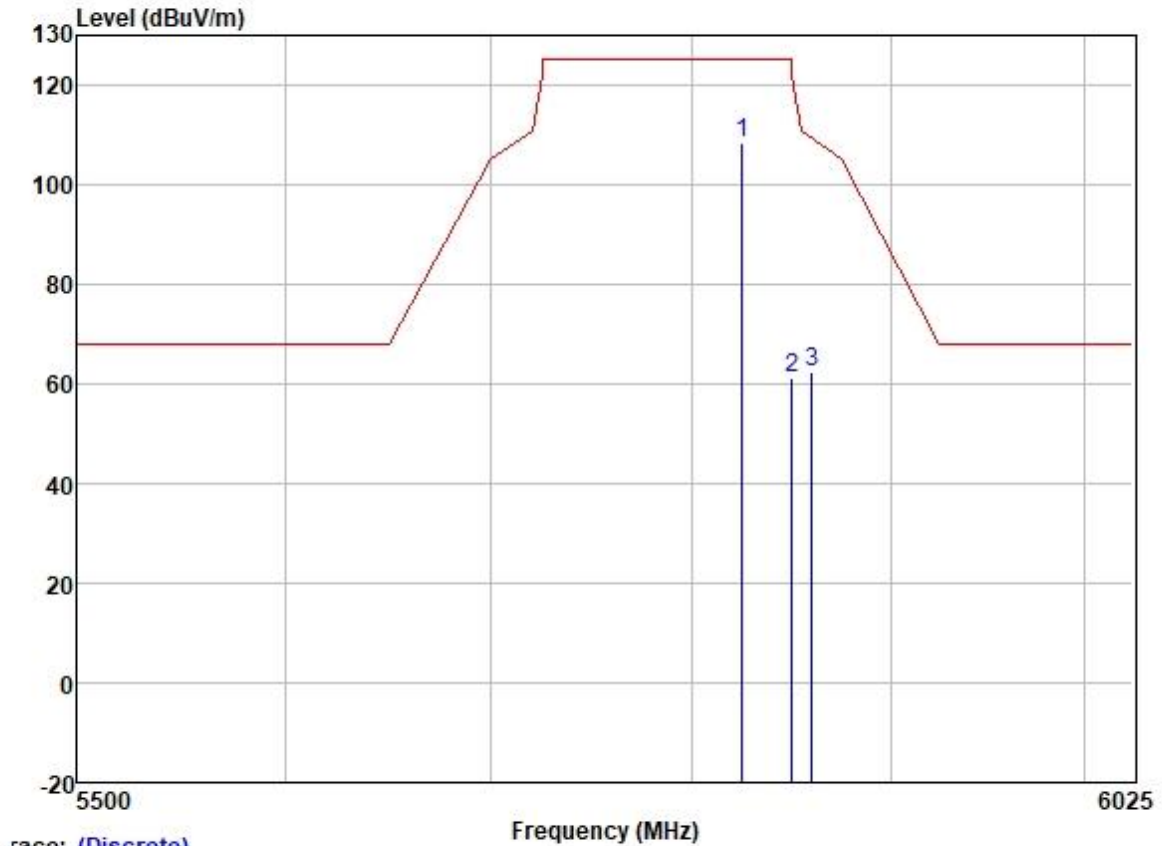


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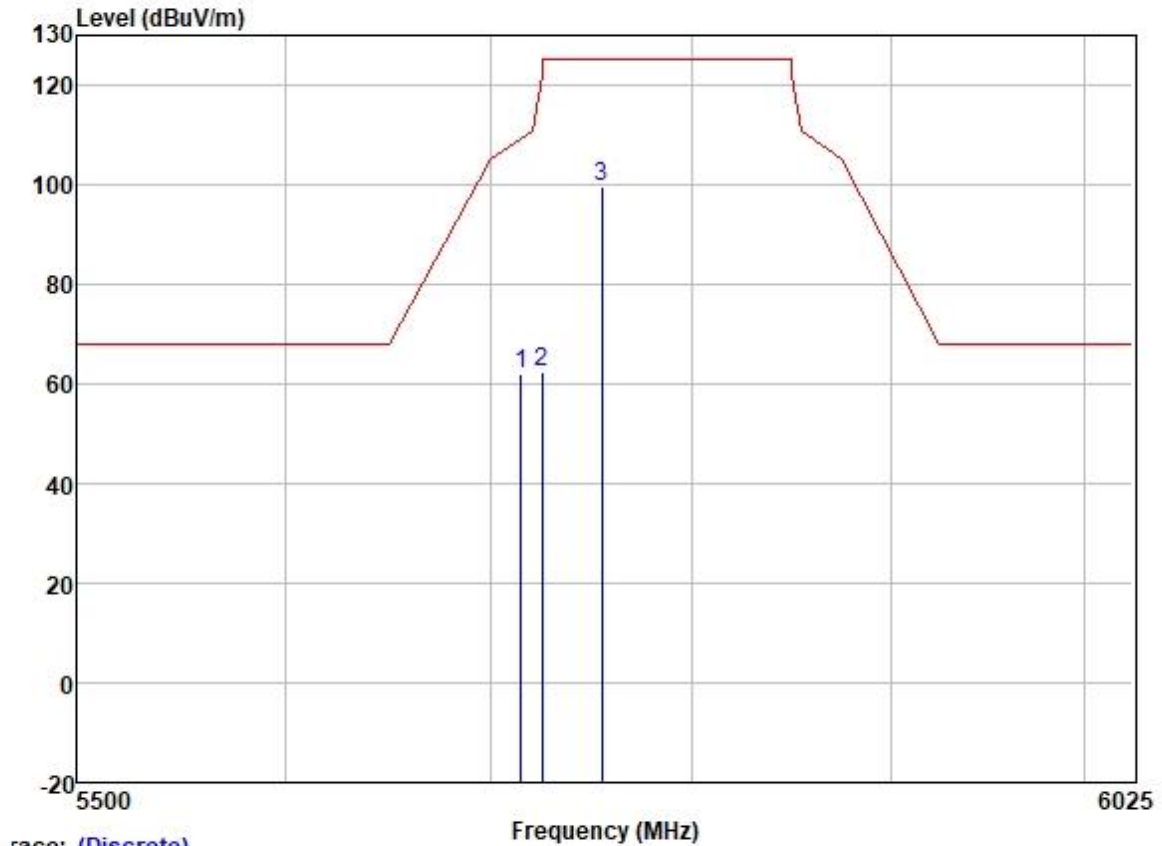
Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

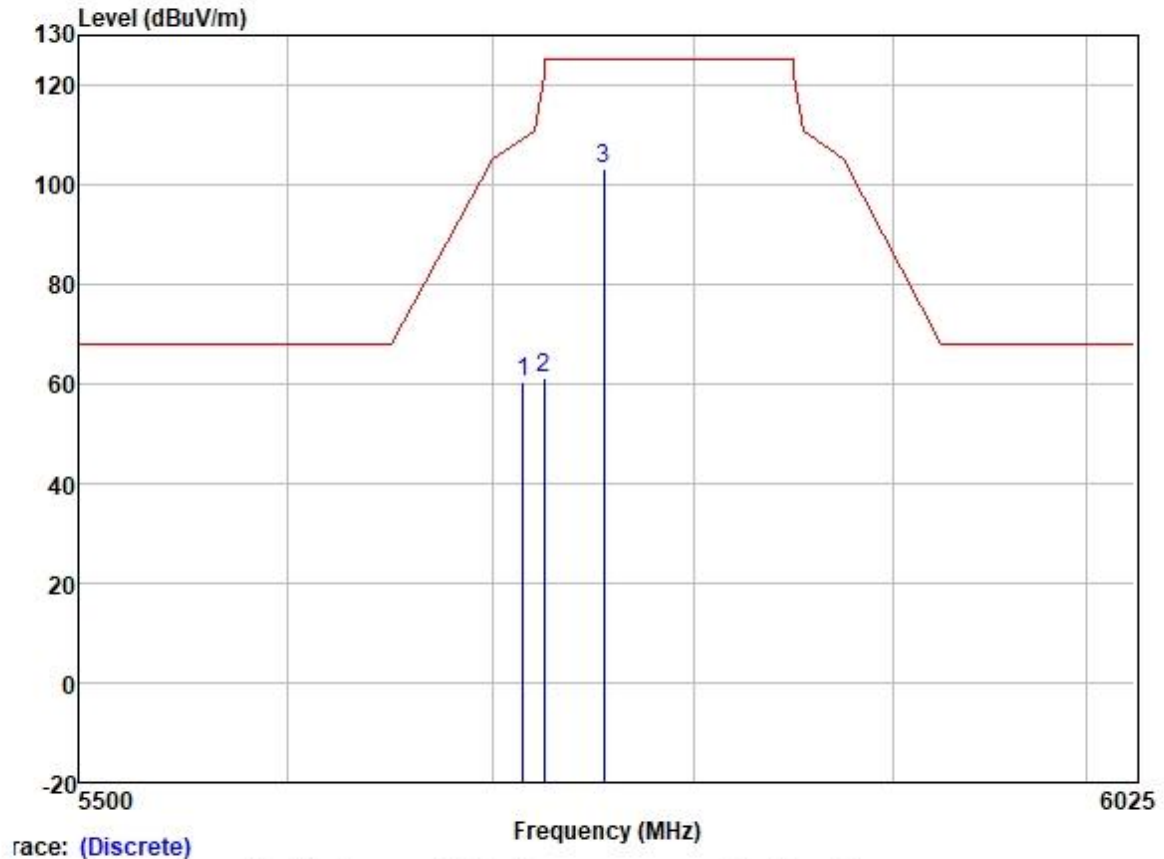
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	106.95	32.23	6.04	36.90	108.32	125.20	-16.88	VERTICAL	Peak
2	5850.000	59.88	32.25	6.00	36.90	61.23	122.20	-60.97	VERTICAL	Peak
3	5860.000	61.00	32.27	5.96	36.90	62.33	109.40	-47.07	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



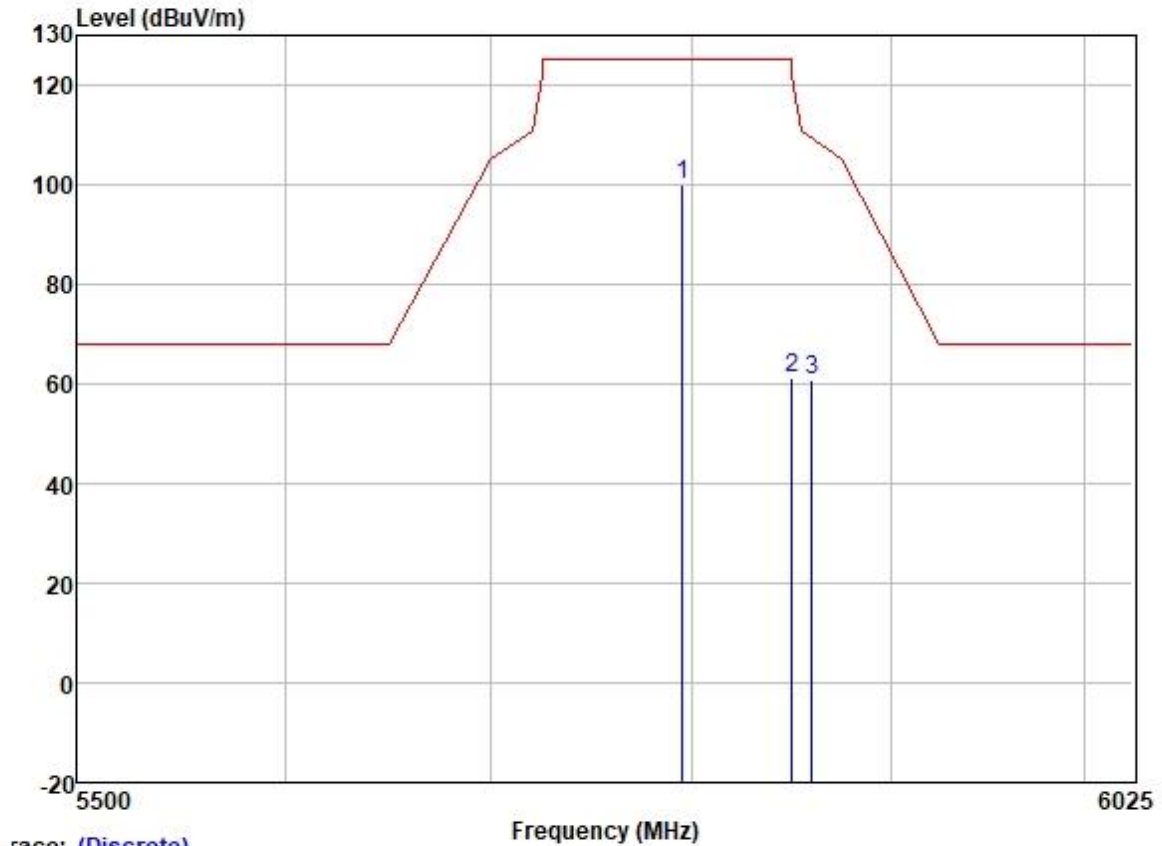
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	60.36	32.04	6.33	36.89	61.84	109.40	-47.56	HORIZONTAL	Peak
2	5725.000	61.11	32.07	6.25	36.89	62.54	122.20	-59.66	HORIZONTAL	Peak
3	5755.000	98.27	32.10	6.20	36.89	99.68	125.20	-25.52	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



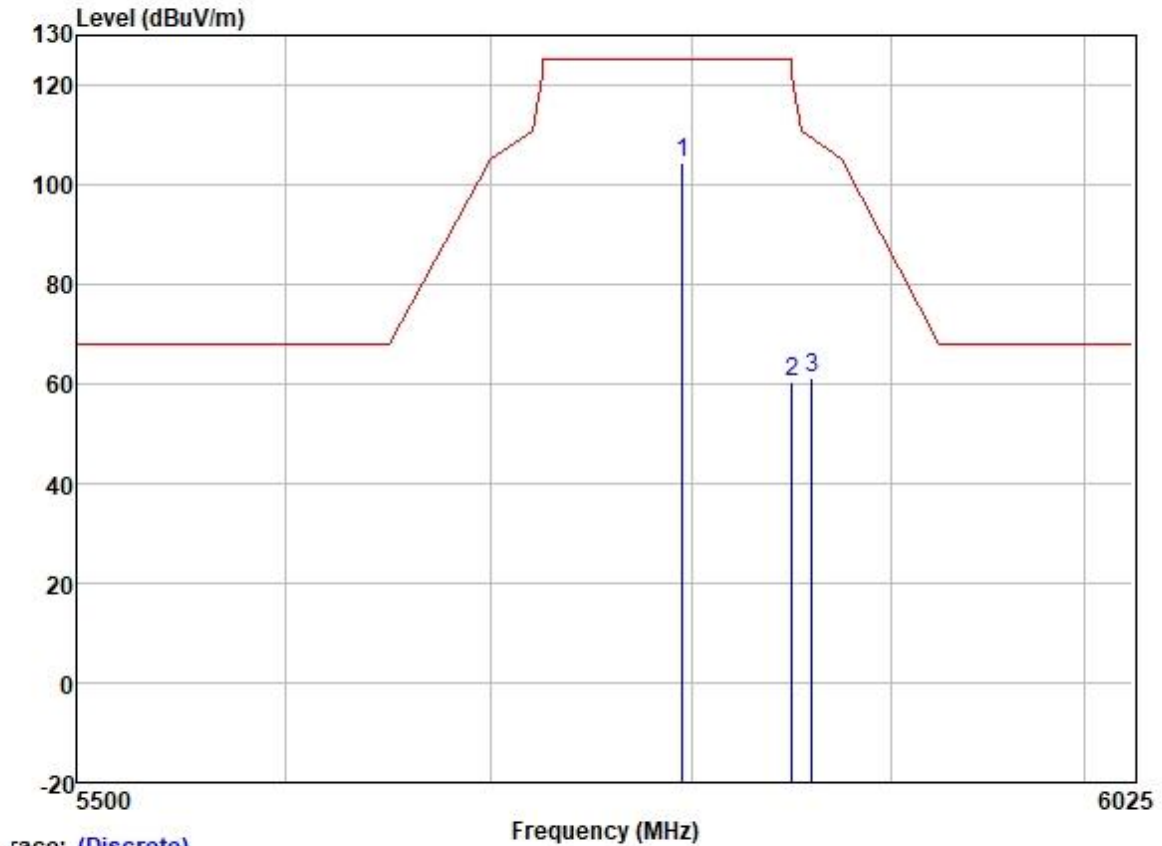
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	58.90	32.04	6.33	36.89	60.38	109.40	-49.02	VERTICAL	Peak
2	5725.000	59.92	32.07	6.25	36.89	61.35	122.20	-60.85	VERTICAL	Peak
3	5755.000	101.62	32.10	6.20	36.89	103.03	125.20	-22.17	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



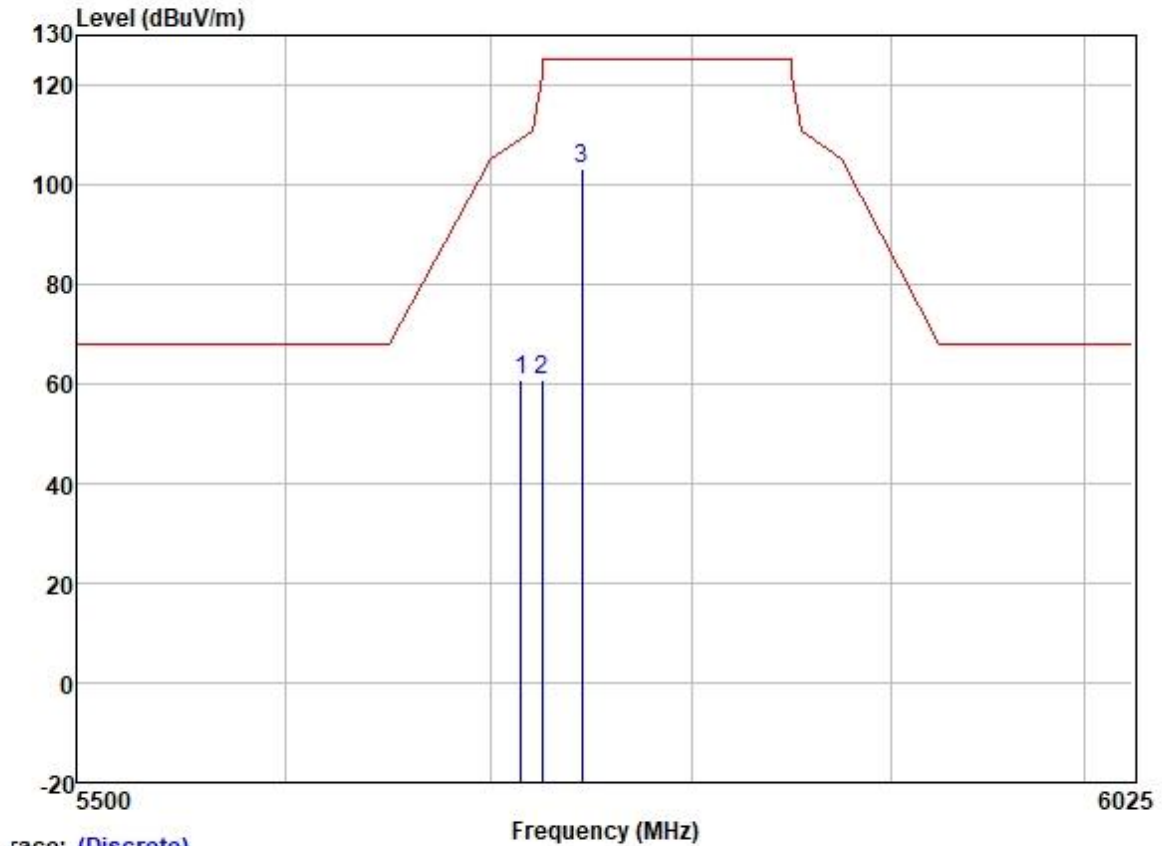
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	98.72	32.19	6.10	36.89	100.12	125.20	-25.08	HORIZONTAL	Peak
2	5850.000	60.04	32.25	6.00	36.90	61.39	122.20	-60.81	HORIZONTAL	Peak
3	5860.000	59.37	32.27	5.96	36.90	60.70	109.40	-48.70	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; 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	5795.000	103.04	32.19	6.10	36.89	104.44	125.20	-20.76	VERTICAL	Peak
2	5850.000	59.07	32.25	6.00	36.90	60.42	122.20	-61.78	VERTICAL	Peak
3	5860.000	59.91	32.27	5.96	36.90	61.24	109.40	-48.16	VERTICAL	Peak

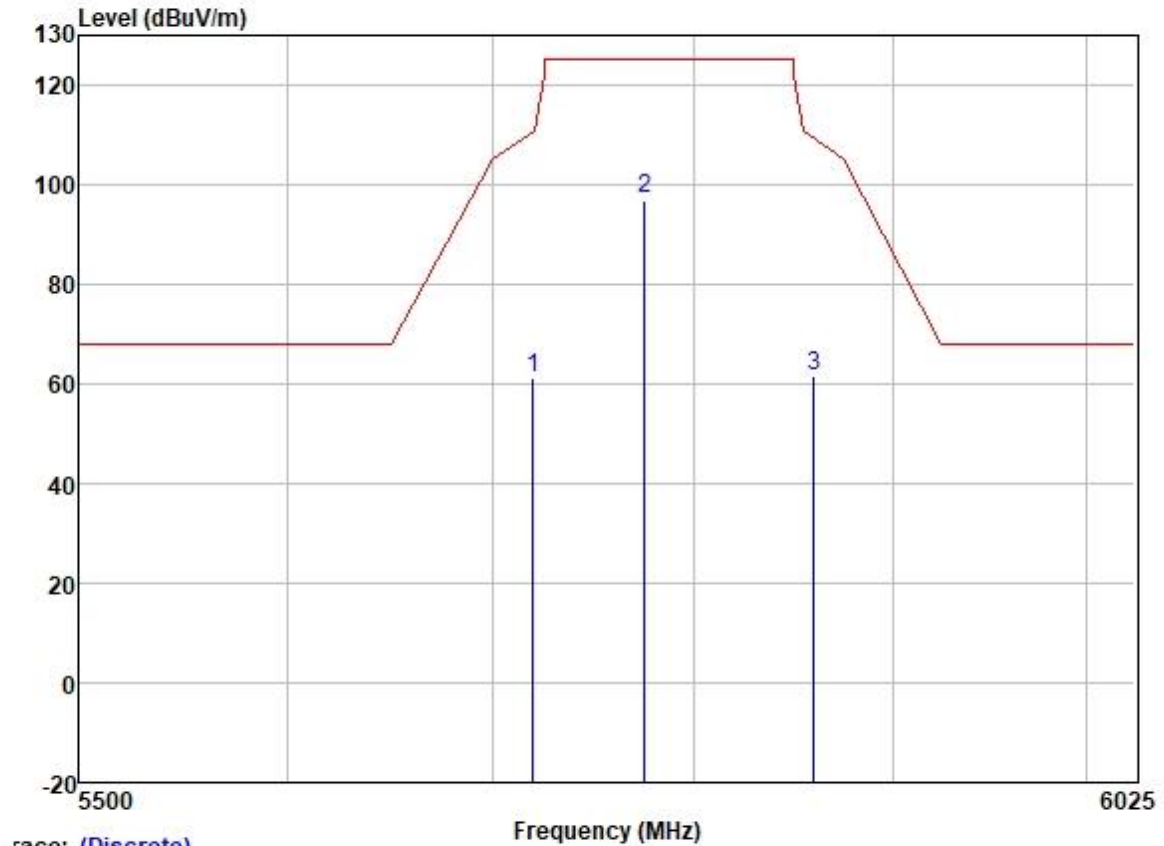
Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

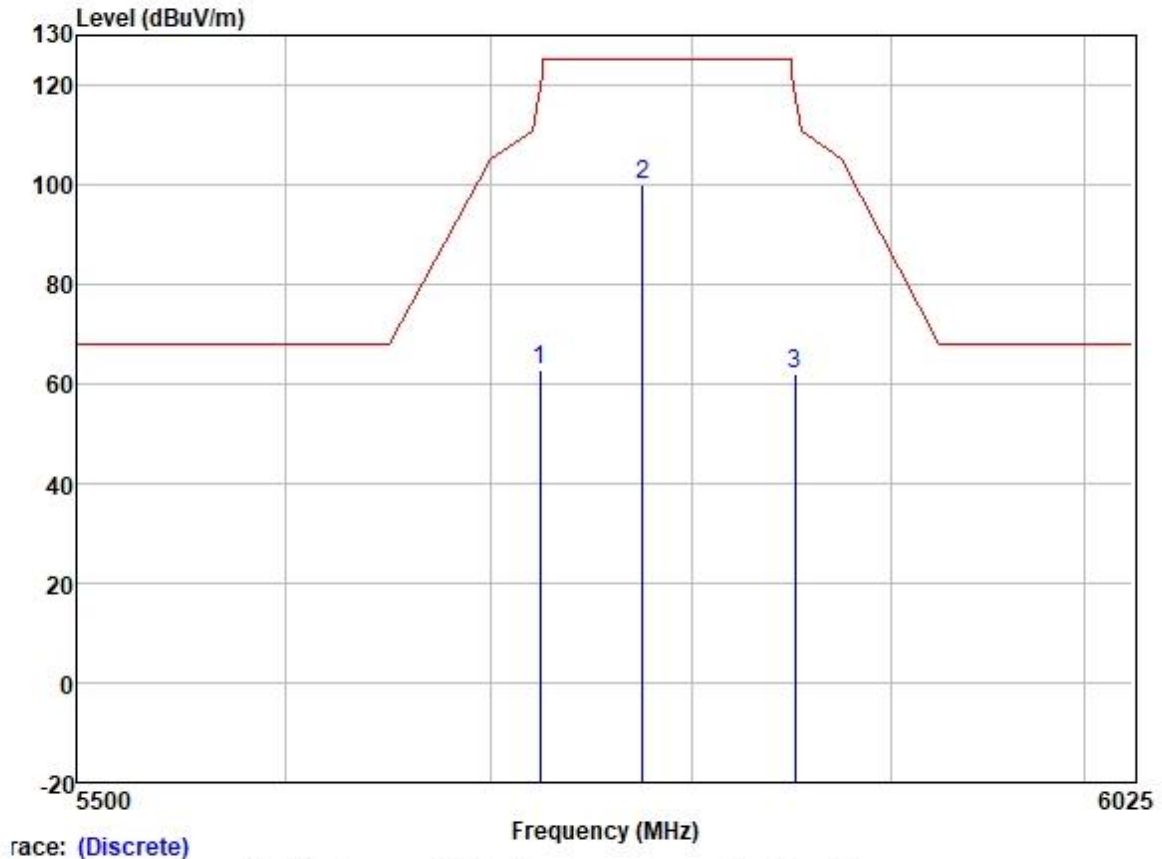
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.14	32.04	6.33	36.89	60.62	109.40	-48.78	HORIZONTAL	Peak
2	5725.000	59.52	32.07	6.25	36.89	60.95	122.20	-61.25	HORIZONTAL	Peak
3	5745.000	101.95	32.10	6.20	36.89	103.36	125.20	-21.84	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



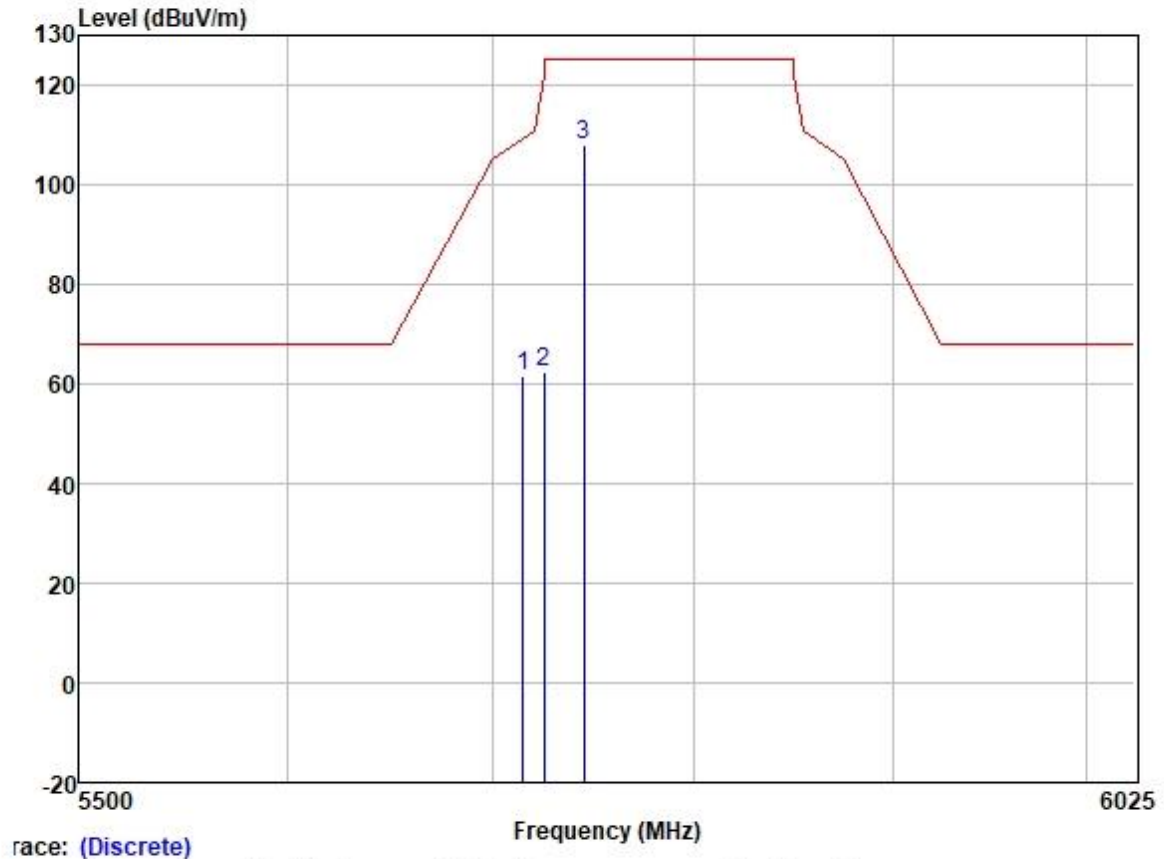
		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5719.870	59.72	32.04	6.33	36.89	61.20	110.76	-49.56	VERTICAL	Peak
2	5775.000	95.63	32.16	6.10	36.89	97.00	125.20	-28.20	VERTICAL	Peak
3	5860.135	60.41	32.27	5.96	36.90	61.74	109.36	-47.62	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



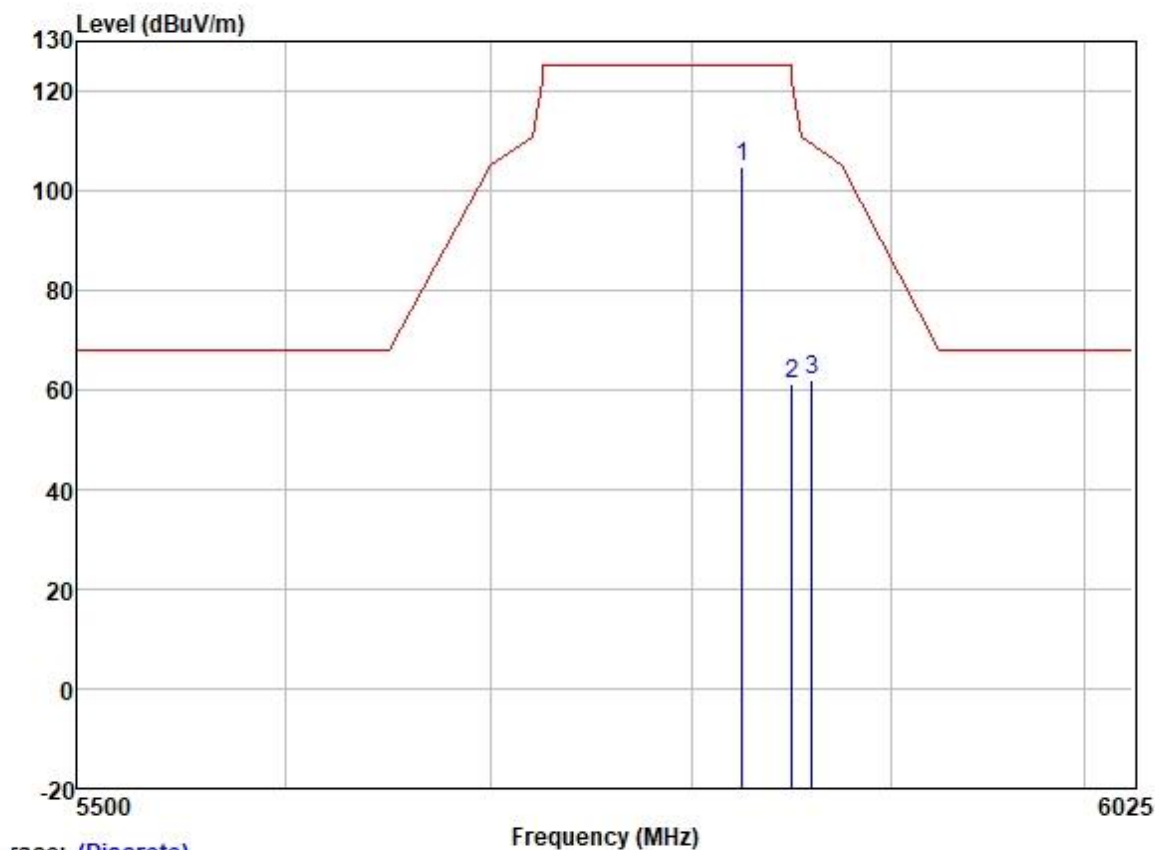
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5724.390	61.38	32.07	6.25	36.89	62.81	120.81	-58.00	HORIZONTAL	Peak
2	5775.000	98.47	32.16	6.10	36.89	99.84	125.20	-25.36	HORIZONTAL	Peak
3	5851.808	60.49	32.25	6.00	36.90	61.84	118.08	-56.24	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	60.01	32.04	6.33	36.89	61.49	109.40	-47.91	VERTICAL	Peak
2	5725.000	60.86	32.07	6.25	36.89	62.29	122.20	-59.91	VERTICAL	Peak
3	5745.000	106.44	32.10	6.20	36.89	107.85	125.20	-17.35	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation: 802.11ax; 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	5825.000	103.32	32.23	6.04	36.90	104.69	125.20	-20.51	HORIZONTAL	Peak
2	5850.000	59.72	32.25	6.00	36.90	61.07	122.20	-61.13	HORIZONTAL	Peak
3	5860.000	60.52	32.27	5.96	36.90	61.85	109.40	-47.55	HORIZONTAL	Peak



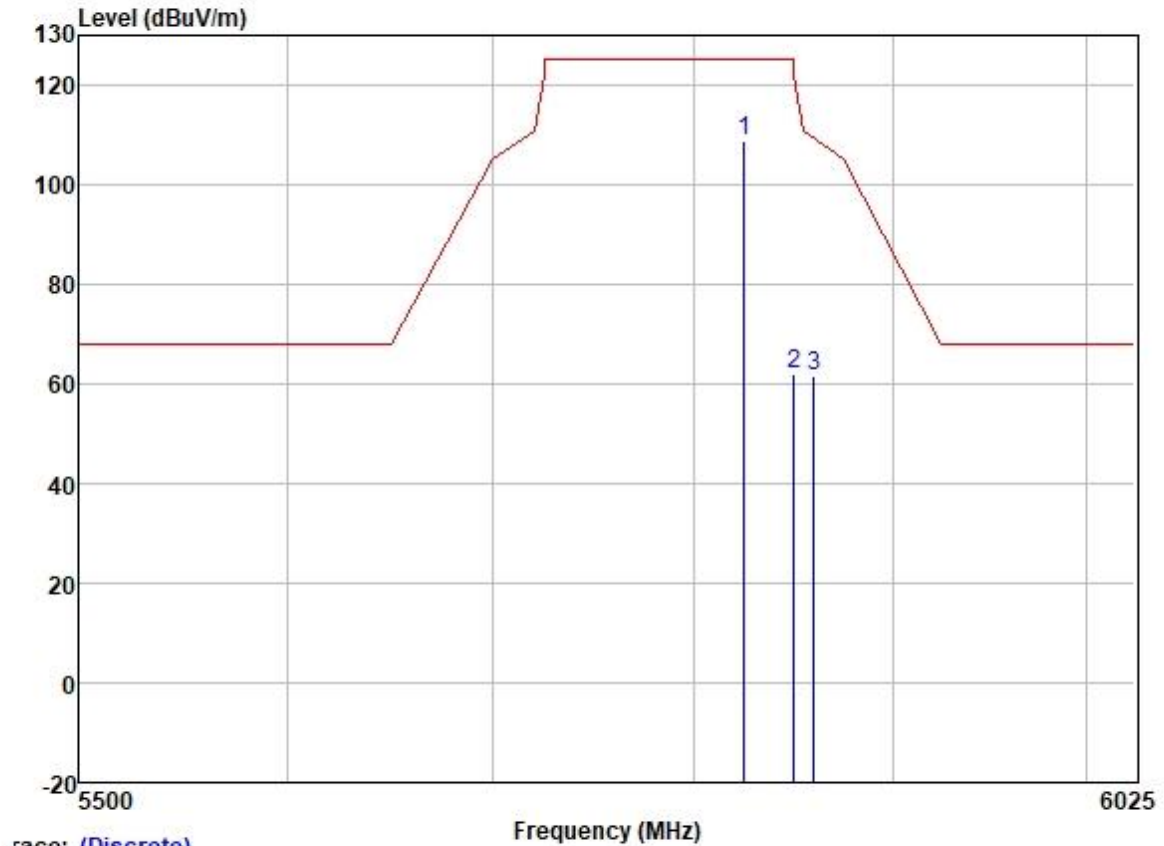
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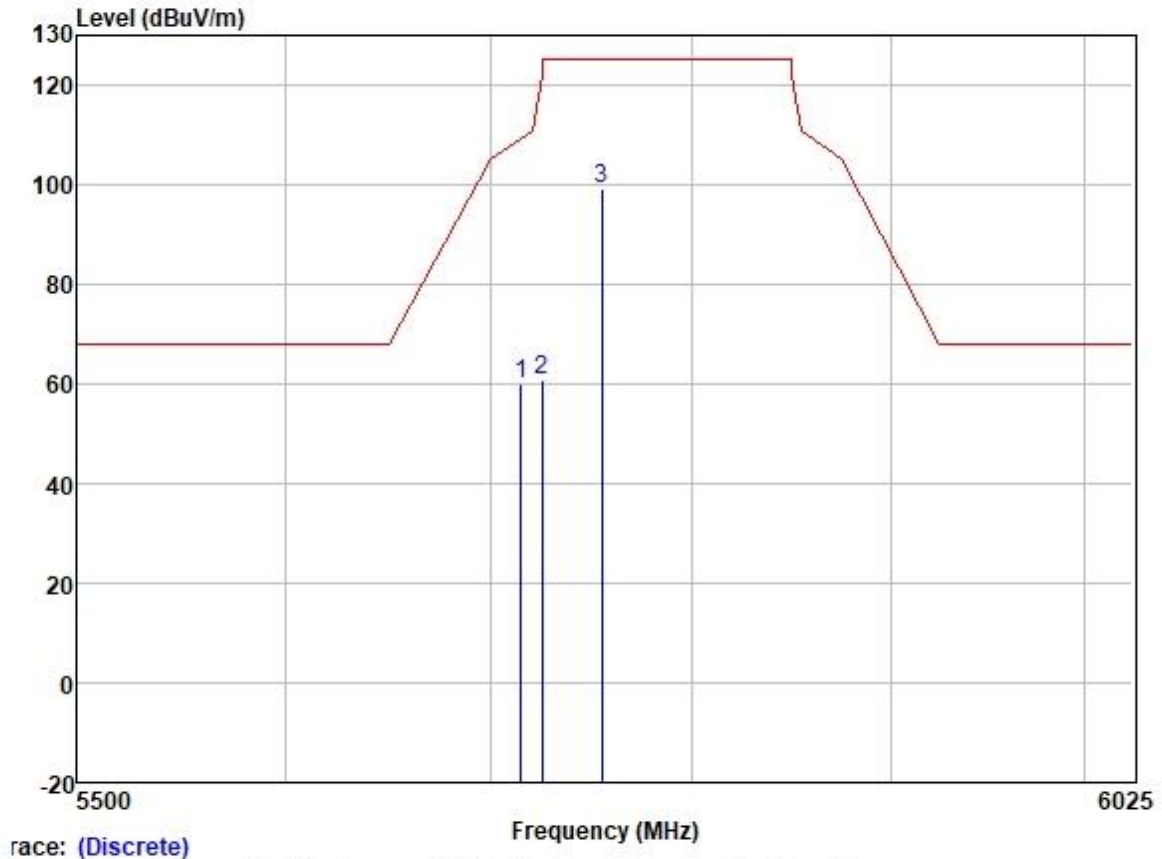
Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

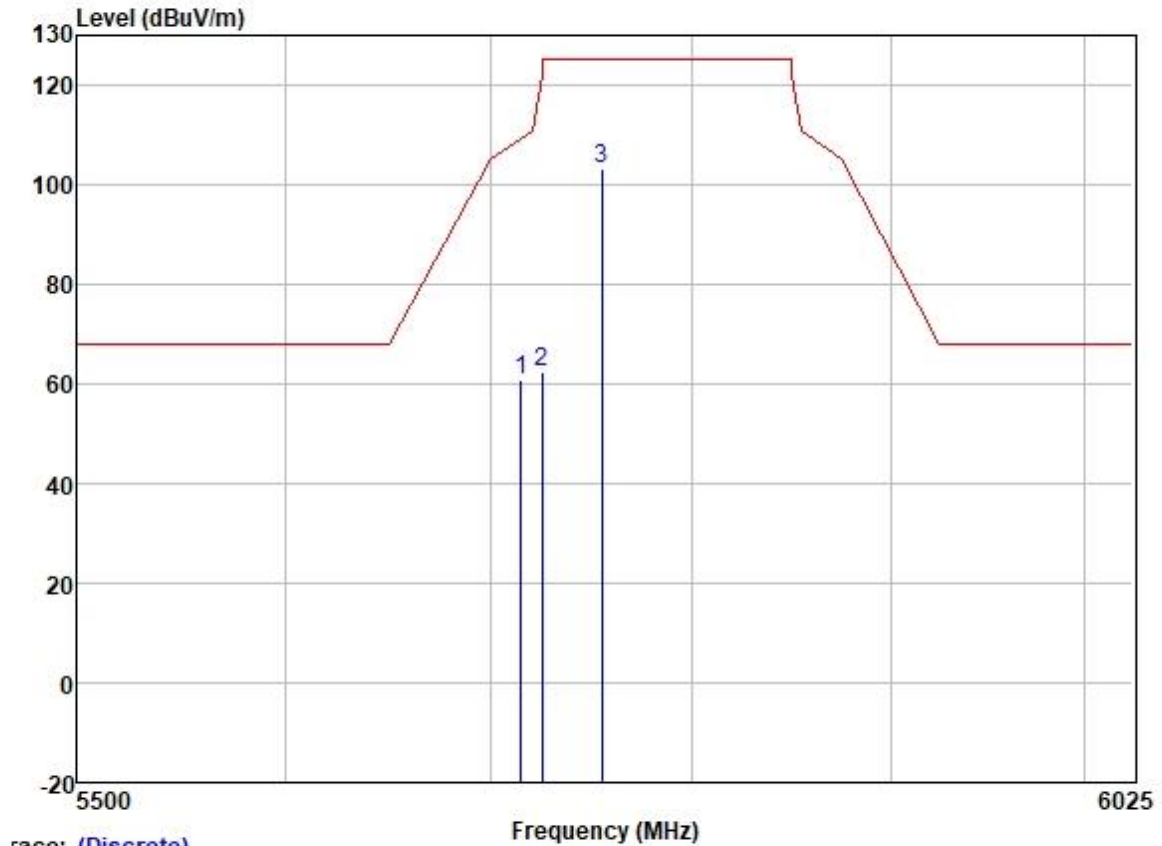
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	107.46	32.23	6.04	36.90	108.83	125.20	-16.37	VERTICAL	Peak
2	5850.000	60.59	32.25	6.00	36.90	61.94	122.20	-60.26	VERTICAL	Peak
3	5860.000	60.33	32.27	5.96	36.90	61.66	109.40	-47.74	VERTICAL	Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



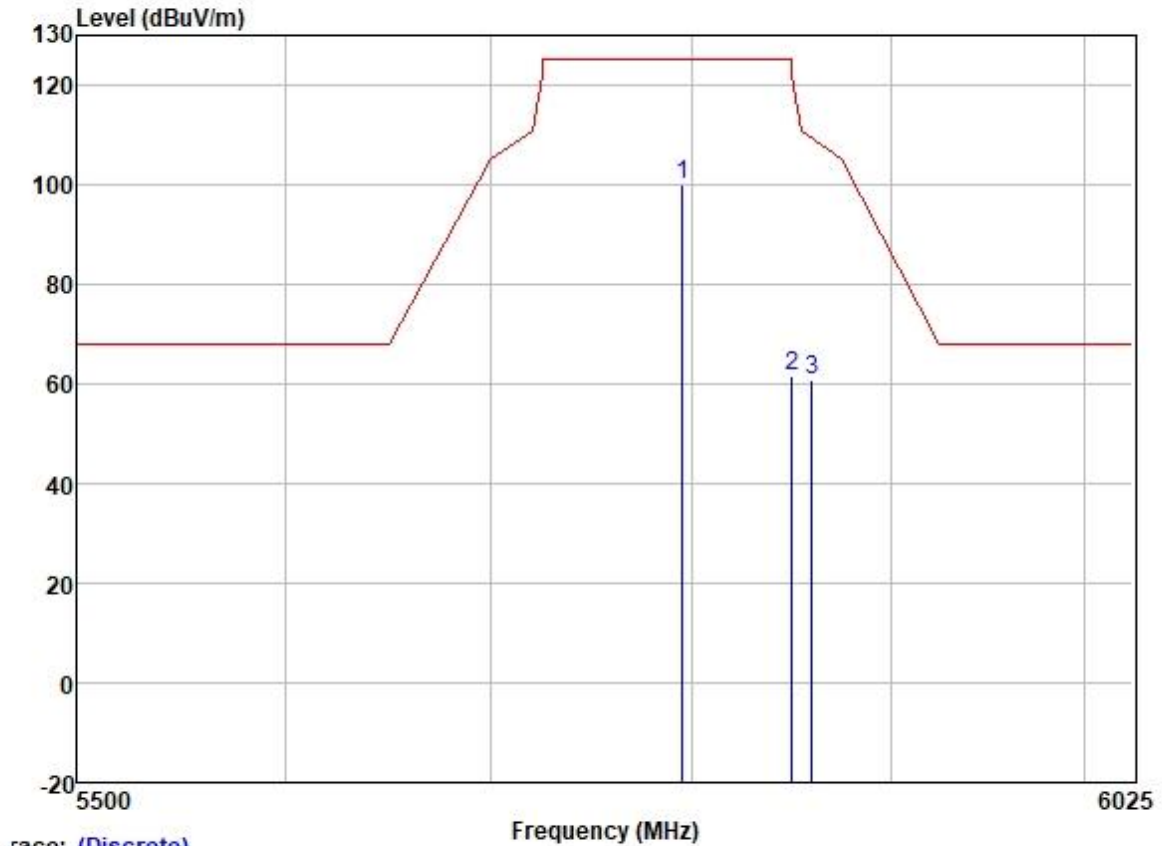
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	58.68	32.04	6.33	36.89	60.16	109.40	-49.24	HORIZONTAL	Peak
2	5725.000	59.41	32.07	6.25	36.89	60.84	122.20	-61.36	HORIZONTAL	Peak
3	5755.000	97.98	32.10	6.20	36.89	99.39	125.20	-25.81	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; 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	5715.000	59.32	32.04	6.33	36.89	60.80	109.40	-48.60	VERTICAL	Peak
2	5725.000	61.09	32.07	6.25	36.89	62.52	122.20	-59.68	VERTICAL	Peak
3	5755.000	101.82	32.10	6.20	36.89	103.23	125.20	-21.97	VERTICAL	Peak

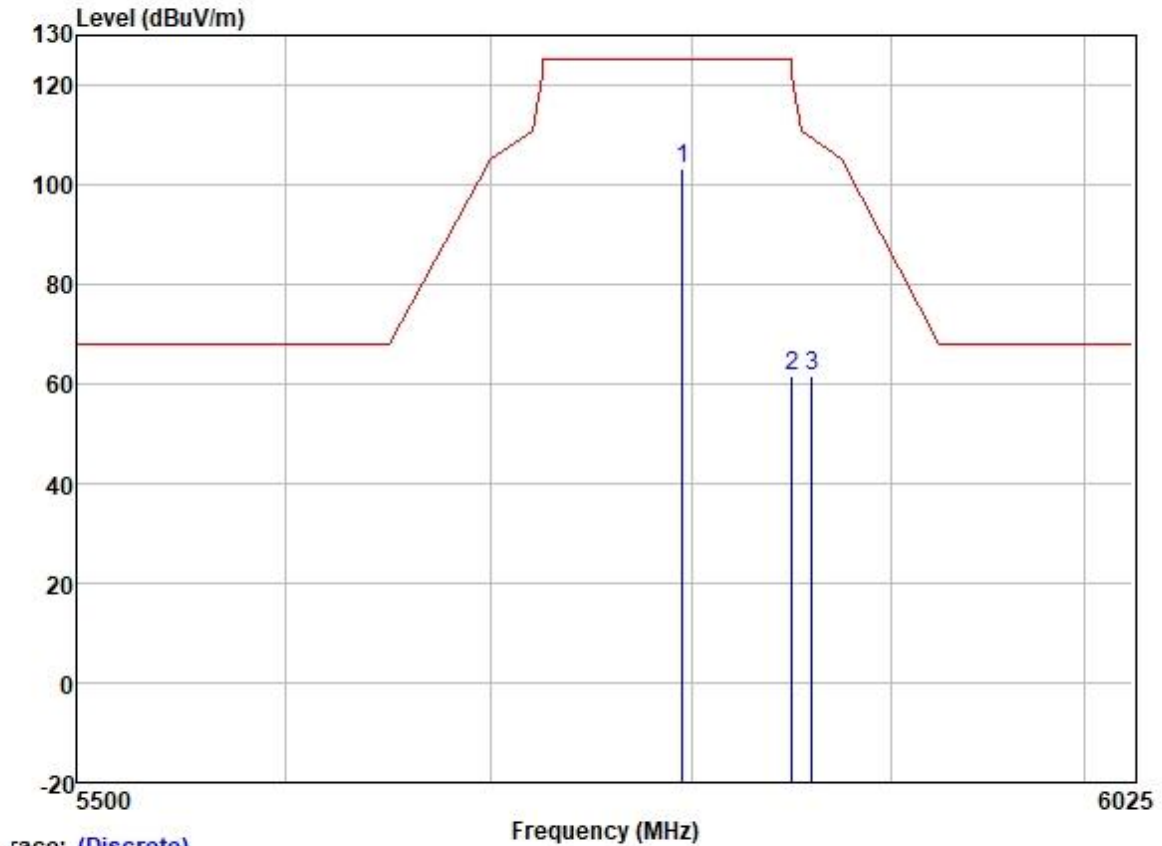
Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	98.70	32.19	6.10	36.89	100.10	125.20	-25.10	HORIZONTAL	Peak
2	5850.000	60.36	32.25	6.00	36.90	61.71	122.20	-60.49	HORIZONTAL	Peak
3	5860.000	59.40	32.27	5.96	36.90	60.73	109.40	-48.67	HORIZONTAL	Peak

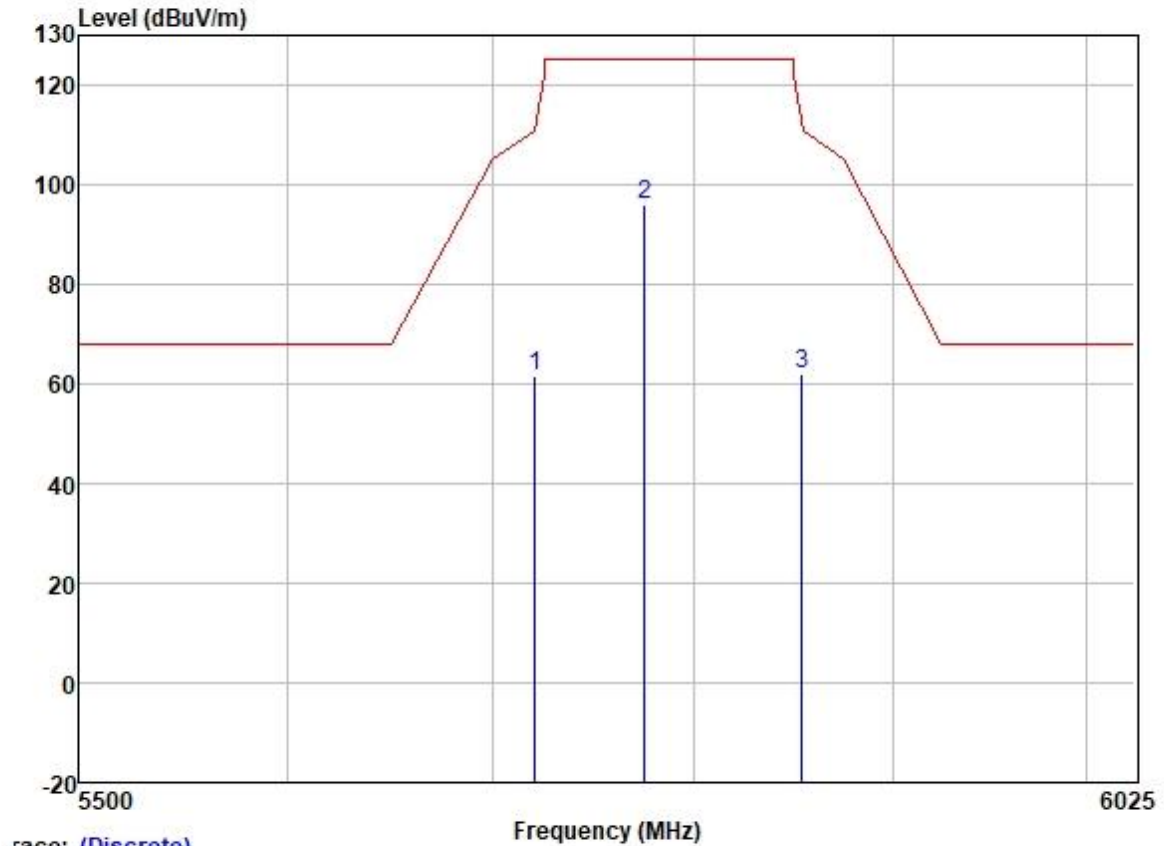
Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

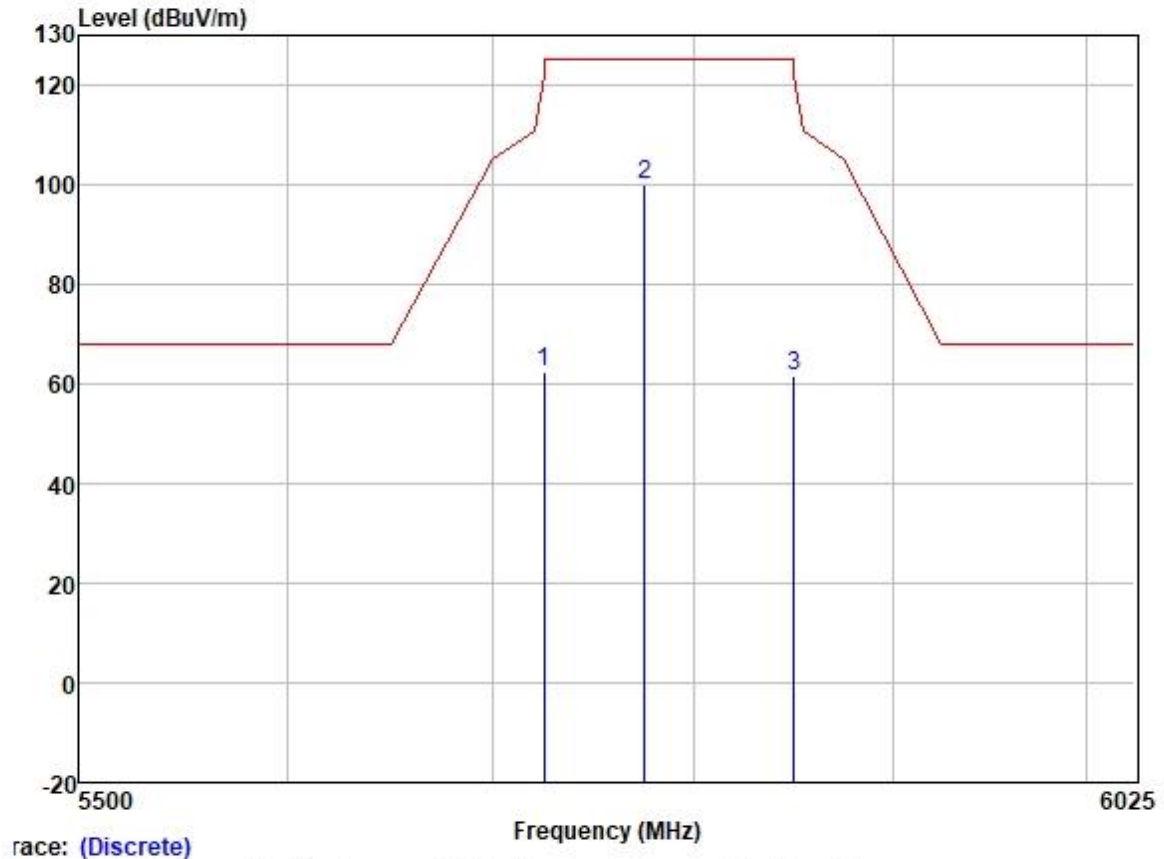
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5795.000	101.92	32.19	6.10	36.89	103.32	125.20	-21.88	VERTICAL Peak
2	5850.000	60.09	32.25	6.00	36.90	61.44	122.20	-60.76	VERTICAL Peak
3	5860.000	60.24	32.27	5.96	36.90	61.57	109.40	-47.83	VERTICAL Peak

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5720.773	60.23	32.04	6.33	36.89	61.71	112.56	-50.85	HORIZONTAL	Peak
2	5775.000	94.66	32.16	6.10	36.89	96.03	125.20	-29.17	HORIZONTAL	Peak
3	5854.273	60.83	32.25	6.00	36.90	62.18	112.46	-50.28	HORIZONTAL	Peak

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5724.993	61.04	32.07	6.25	36.89	62.47	122.18	-59.71	VERTICAL	Peak
2	5775.000	98.45	32.16	6.10	36.89	99.82	125.20	-25.38	VERTICAL	Peak
3	5849.958	60.38	32.25	6.00	36.90	61.73	125.20	-63.47	VERTICAL	Peak

7.5 Radiated Emissions (below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 26.4 °C

Humidity: 56.7 % RH

Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
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Final test	22	
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TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst



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Pre-scan 23

case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.

TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.

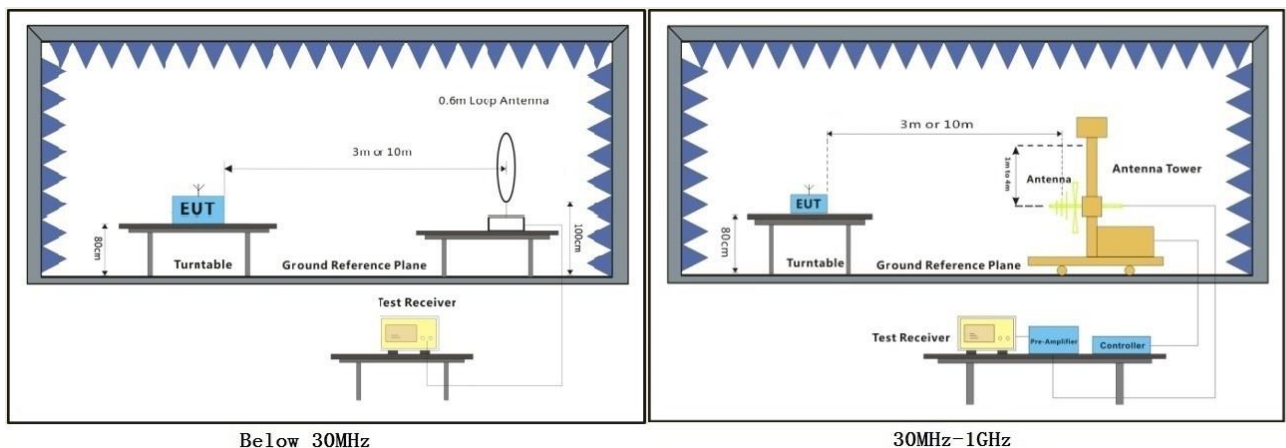
Pre-scan 24

TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.

Pre-scan 25

TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

Remark:

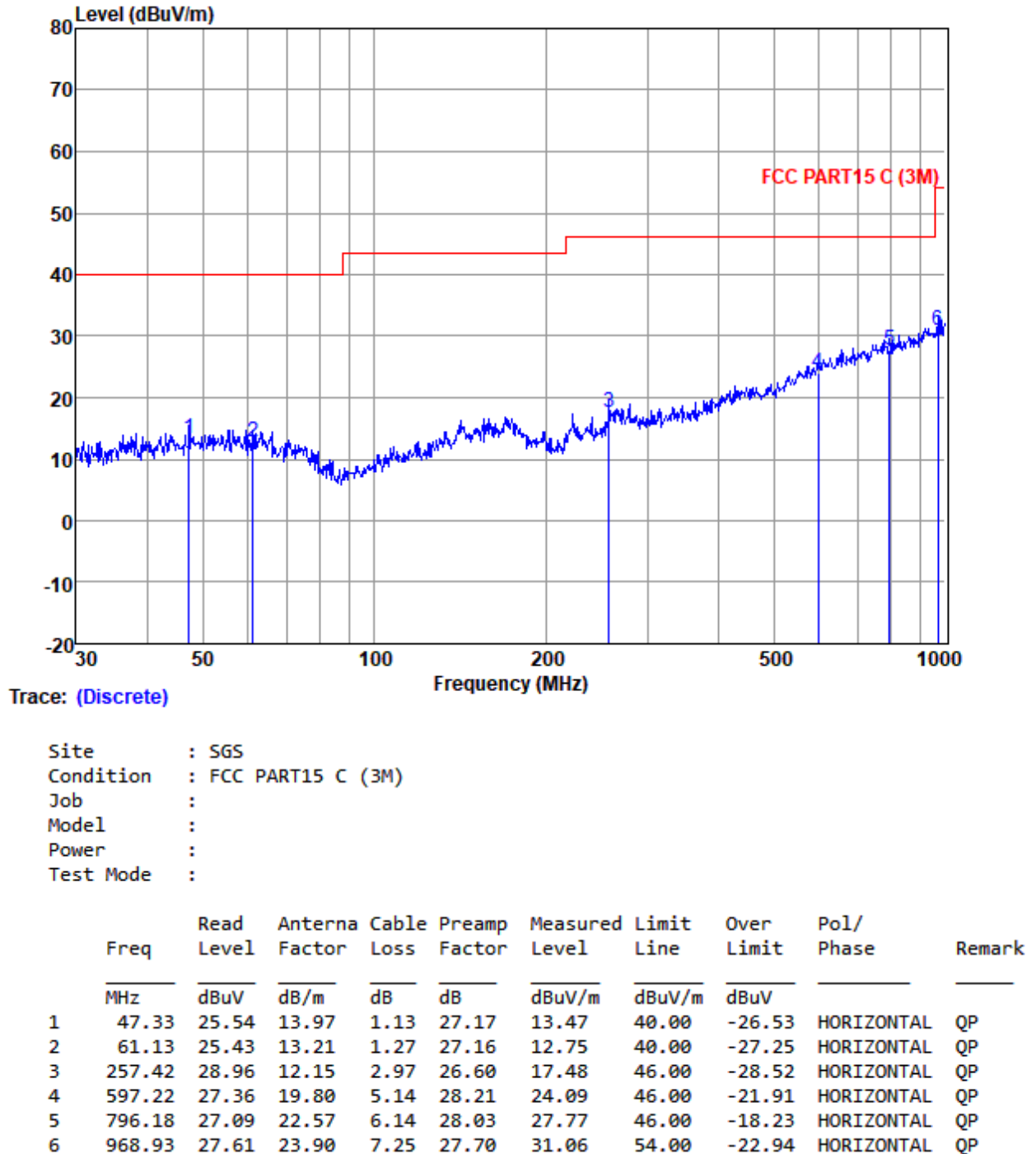
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 1GHz, the disturbance below 30MHz was very low. The points marked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



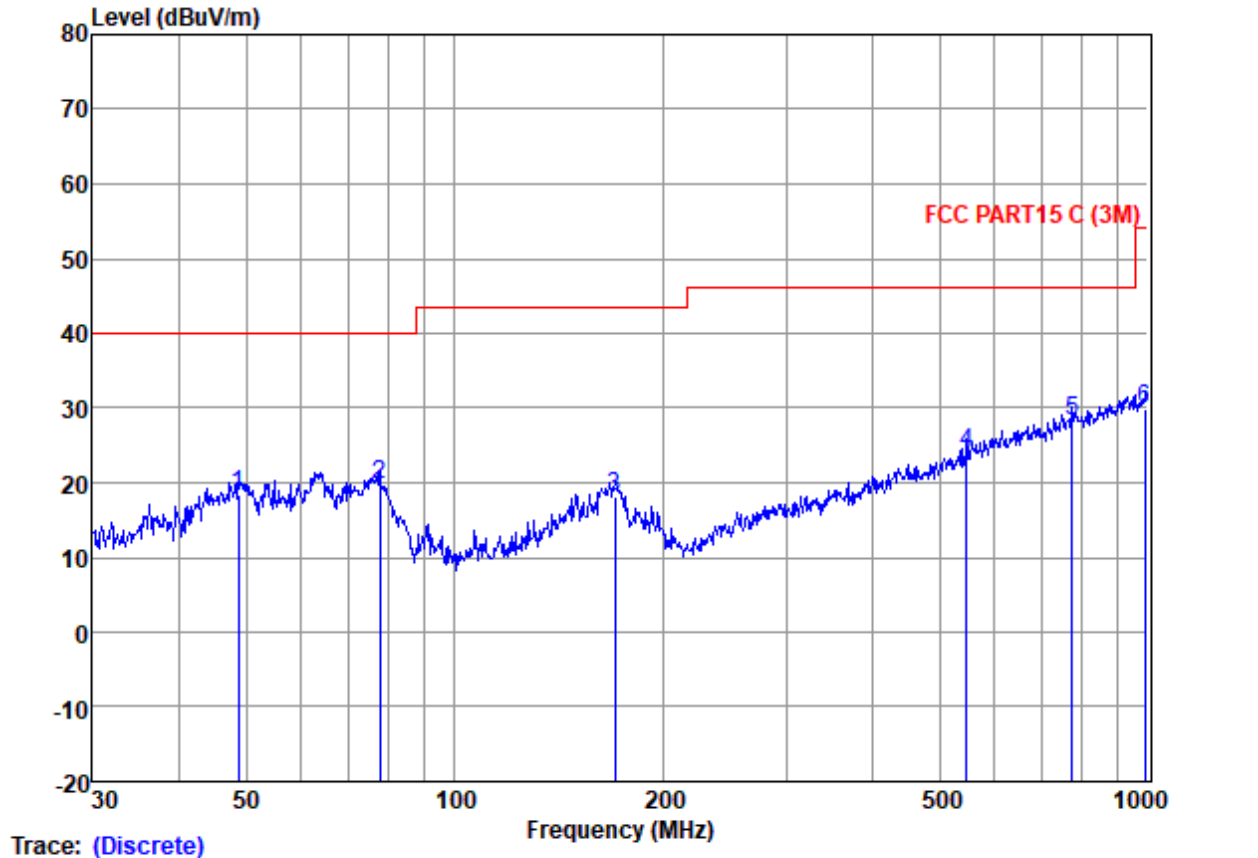
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
Condition : FCC PART15 C (3M)
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV		
1	48.67	30.41	13.97	1.14	27.17	18.35	40.00	-21.65	VERTICAL	QP
2	77.87	35.83	9.60	1.46	27.10	19.79	40.00	-20.21	VERTICAL	QP
3	170.19	29.30	13.10	2.40	26.77	18.03	43.50	-25.47	VERTICAL	QP
4	547.10	28.69	18.60	4.76	28.09	23.96	46.00	-22.04	VERTICAL	QP
5	776.88	27.87	22.28	6.08	28.05	28.18	46.00	-17.82	VERTICAL	QP
6	989.54	26.03	24.20	7.37	27.67	29.93	54.00	-24.07	VERTICAL	QP

7.6 Radiated Emissions (above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 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.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 21.6 °C

Humidity: 51.8 % RH

Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
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Final test	22	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst
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Final test 23

case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.

TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.

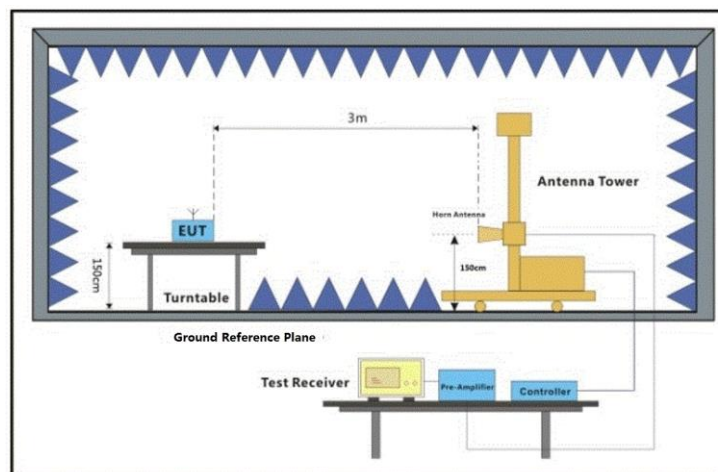
Final test 24

TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.

Final test 25

TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

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

Remark:

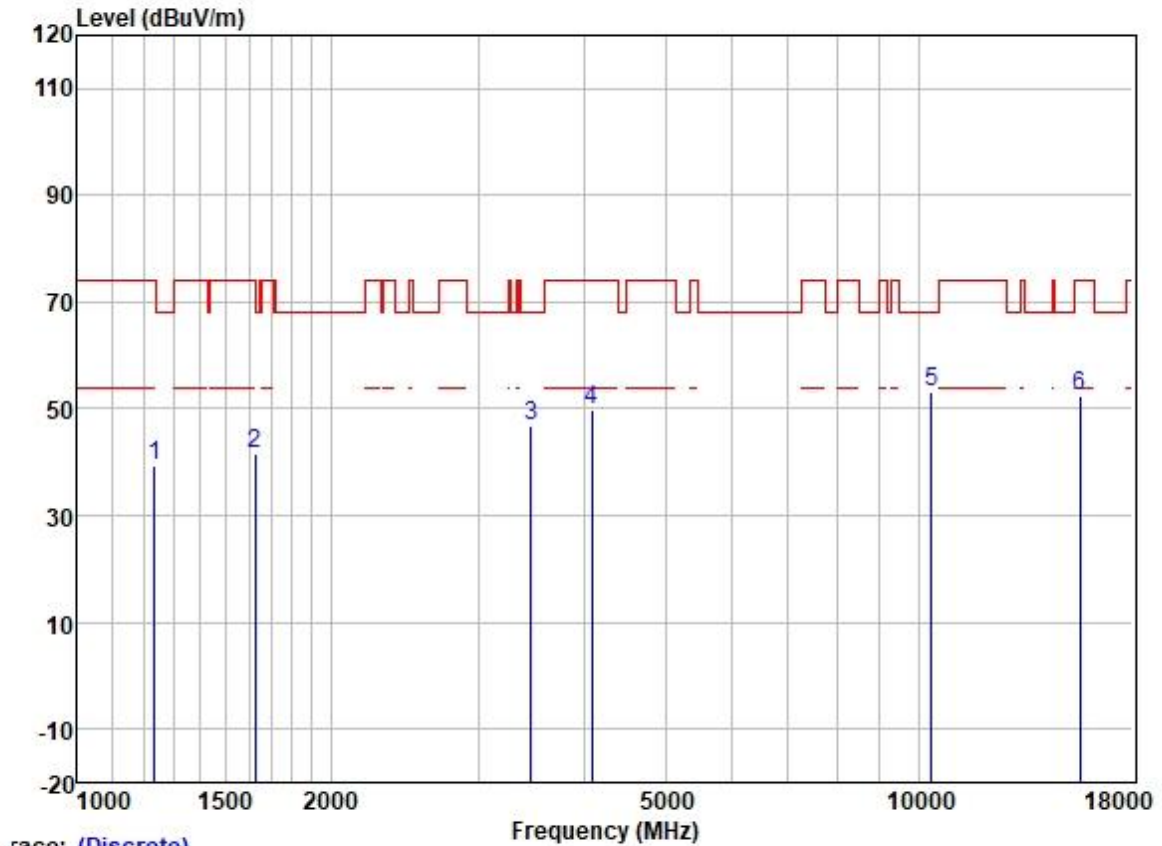
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, 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. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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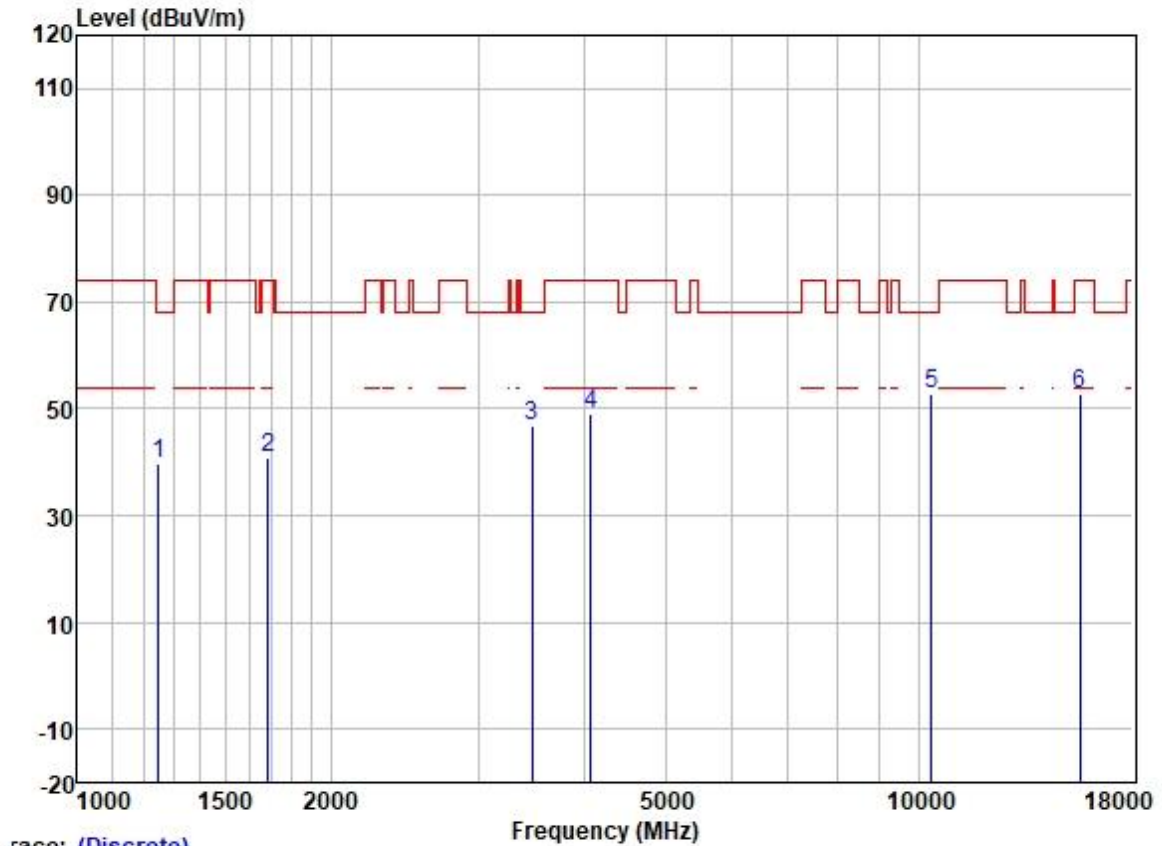
Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

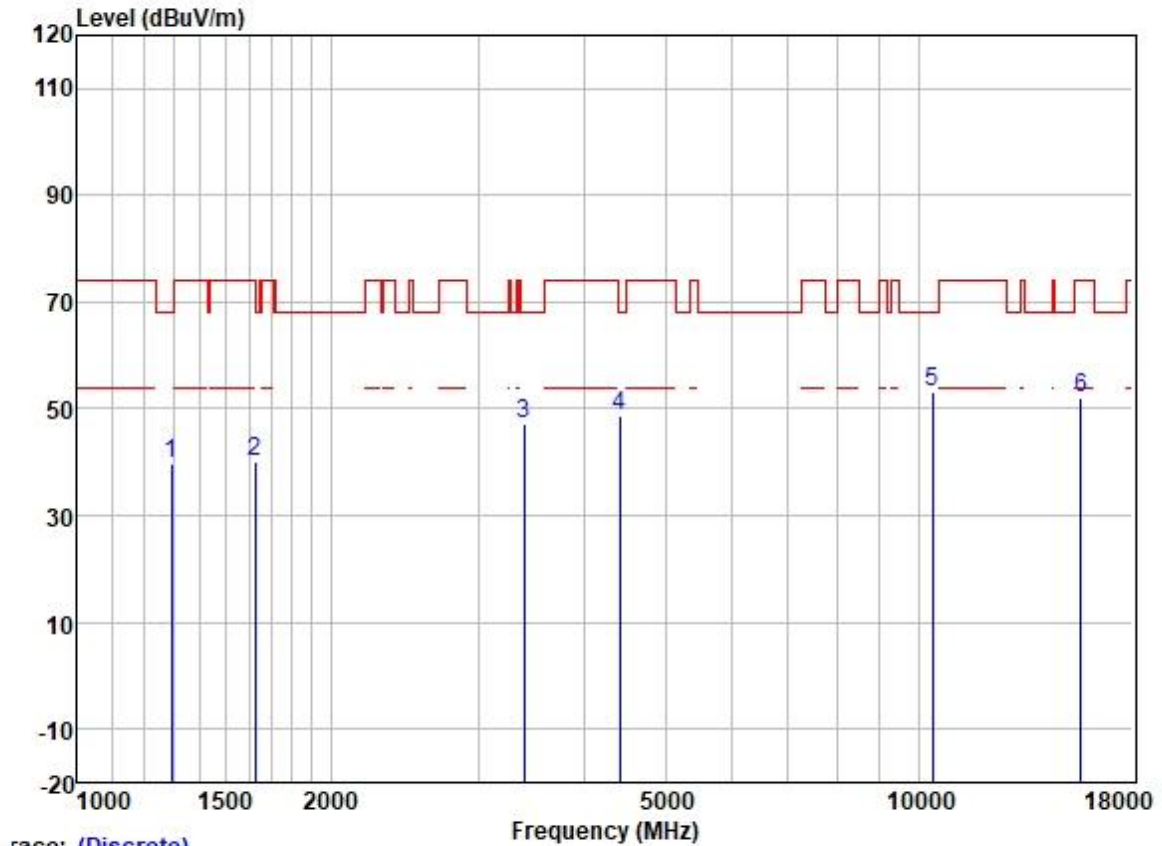
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1234.909	50.44	24.93	2.30	38.37	39.30	74.00	-34.70	HORIZONTAL	Peak
2	1625.121	51.01	25.61	2.80	37.95	41.47	74.00	-32.53	HORIZONTAL	Peak
3	3465.510	50.74	28.88	4.22	36.95	46.89	68.20	-21.31	HORIZONTAL	Peak
4	4086.182	51.93	29.92	4.60	36.80	49.65	74.00	-24.35	HORIZONTAL	Peak
5	10360.000	44.09	39.28	7.29	37.37	53.29	68.20	-14.91	HORIZONTAL	Peak
6	15540.000	38.99	39.05	9.88	35.39	52.53	74.00	-21.47	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



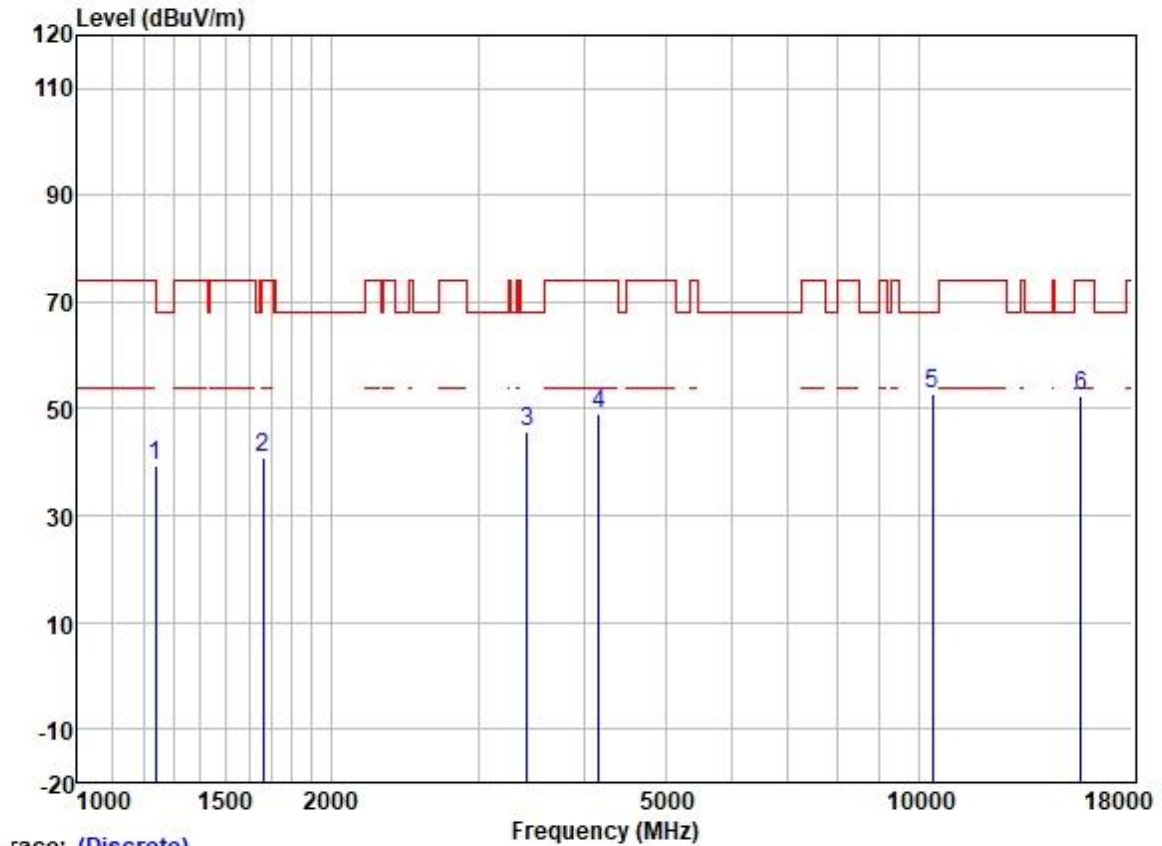
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1249.269	50.55	25.02	2.34	38.35	39.56	68.20	-28.64	VERTICAL Peak
2	1687.347	50.40	25.69	2.80	37.91	40.98	74.00	-33.02	VERTICAL Peak
3	3475.541	50.75	28.89	4.25	36.95	46.94	68.20	-21.26	VERTICAL Peak
4	4074.388	51.50	29.90	4.60	36.80	49.20	74.00	-24.80	VERTICAL Peak
5	10360.000	43.74	39.28	7.29	37.37	52.94	68.20	-15.26	VERTICAL Peak
6	15540.000	39.43	39.05	9.88	35.39	52.97	74.00	-21.03	VERTICAL Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1293.359	50.18	25.18	2.57	38.31	39.62	68.20	-28.58	HORIZONTAL Peak
2	1625.121	49.77	25.61	2.80	37.95	40.23	74.00	-33.77	HORIZONTAL Peak
3	3396.098	51.22	28.84	4.10	36.98	47.18	68.20	-21.02	HORIZONTAL Peak
4	4417.841	49.89	30.70	4.74	36.81	48.52	68.20	-19.68	HORIZONTAL Peak
5	10400.000	43.99	39.33	7.32	37.36	53.28	68.20	-14.92	HORIZONTAL Peak
6	15600.000	38.63	38.99	9.88	35.39	52.11	74.00	-21.89	HORIZONTAL Peak

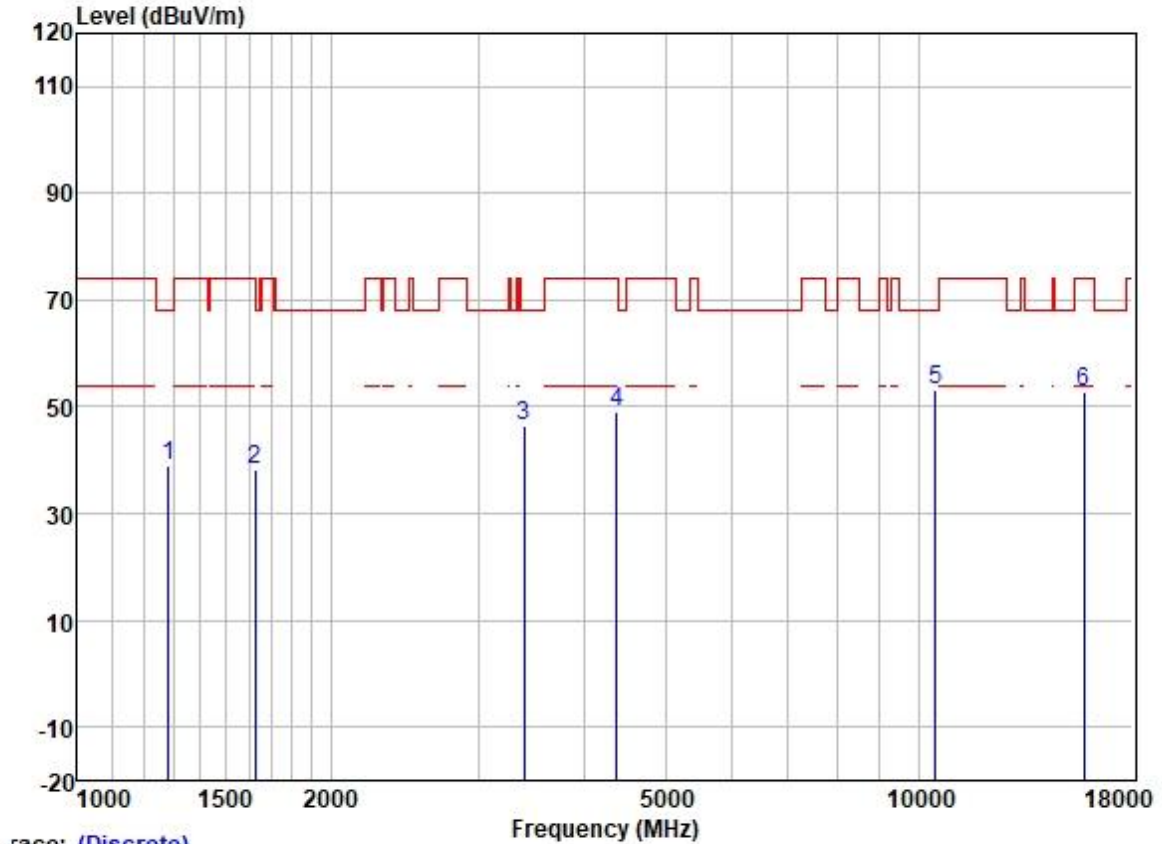
Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1238.483	50.33	24.96	2.30	38.35	39.24	74.00	-34.76	VERTICAL	Peak
2	1663.137	50.26	25.65	2.80	37.91	40.80	74.00	-33.20	VERTICAL	Peak
3	3425.675	49.62	28.86	4.15	36.97	45.66	68.20	-22.54	VERTICAL	Peak
4	4169.698	51.23	30.09	4.60	36.80	49.12	74.00	-24.88	VERTICAL	Peak
5	10400.000	43.52	39.33	7.32	37.36	52.81	68.20	-15.39	VERTICAL	Peak
6	15600.000	38.92	38.99	9.88	35.39	52.40	74.00	-21.60	VERTICAL	Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1282.193	49.48	25.15	2.52	38.33	38.82	68.20	-29.38	HORIZONTAL Peak
2	1625.121	47.60	25.61	2.80	37.95	38.06	74.00	-35.94	HORIZONTAL Peak
3	3396.098	50.62	28.84	4.10	36.98	46.58	68.20	-21.62	HORIZONTAL Peak
4	4379.699	50.57	30.64	4.69	36.81	49.09	74.00	-24.91	HORIZONTAL Peak
5	10480.000	43.84	39.46	7.40	37.36	53.34	68.20	-14.86	HORIZONTAL Peak
6	15720.000	39.43	38.78	9.87	35.39	52.69	74.00	-21.31	HORIZONTAL Peak