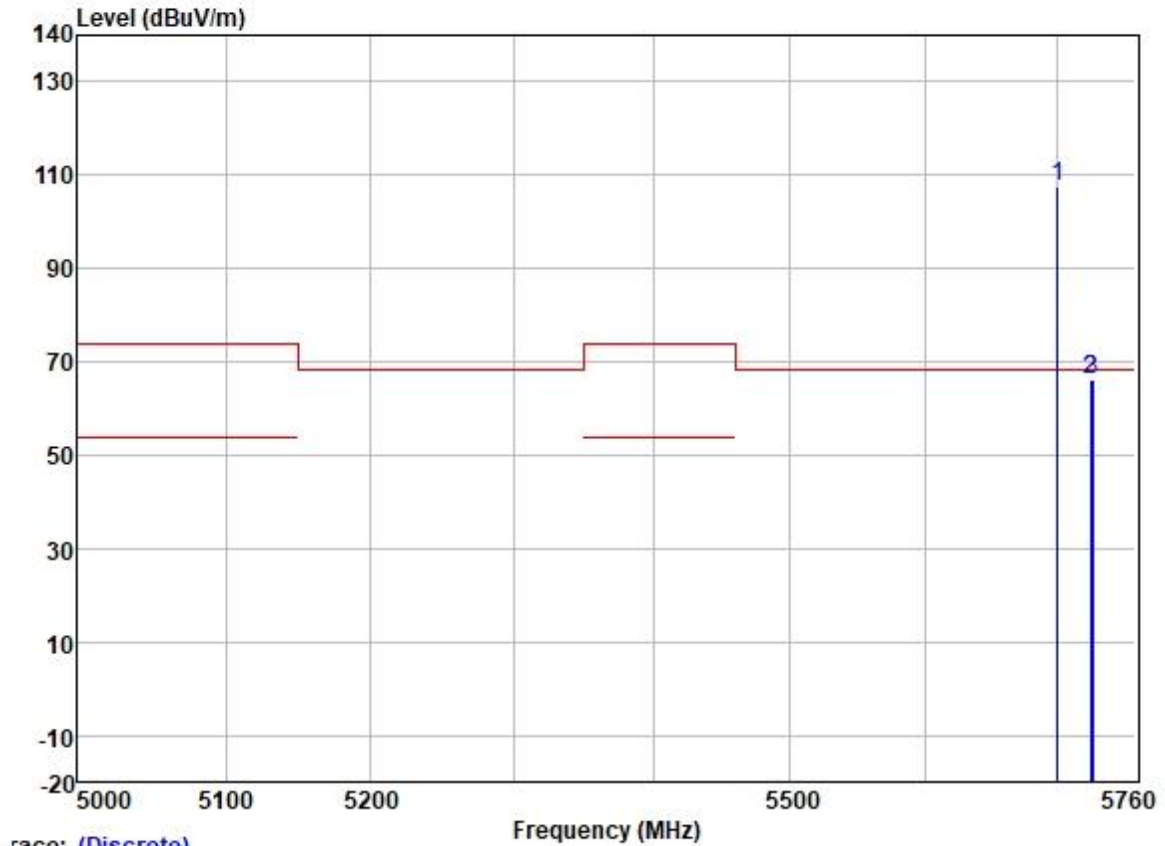


Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:140



Trace: (Discrete)

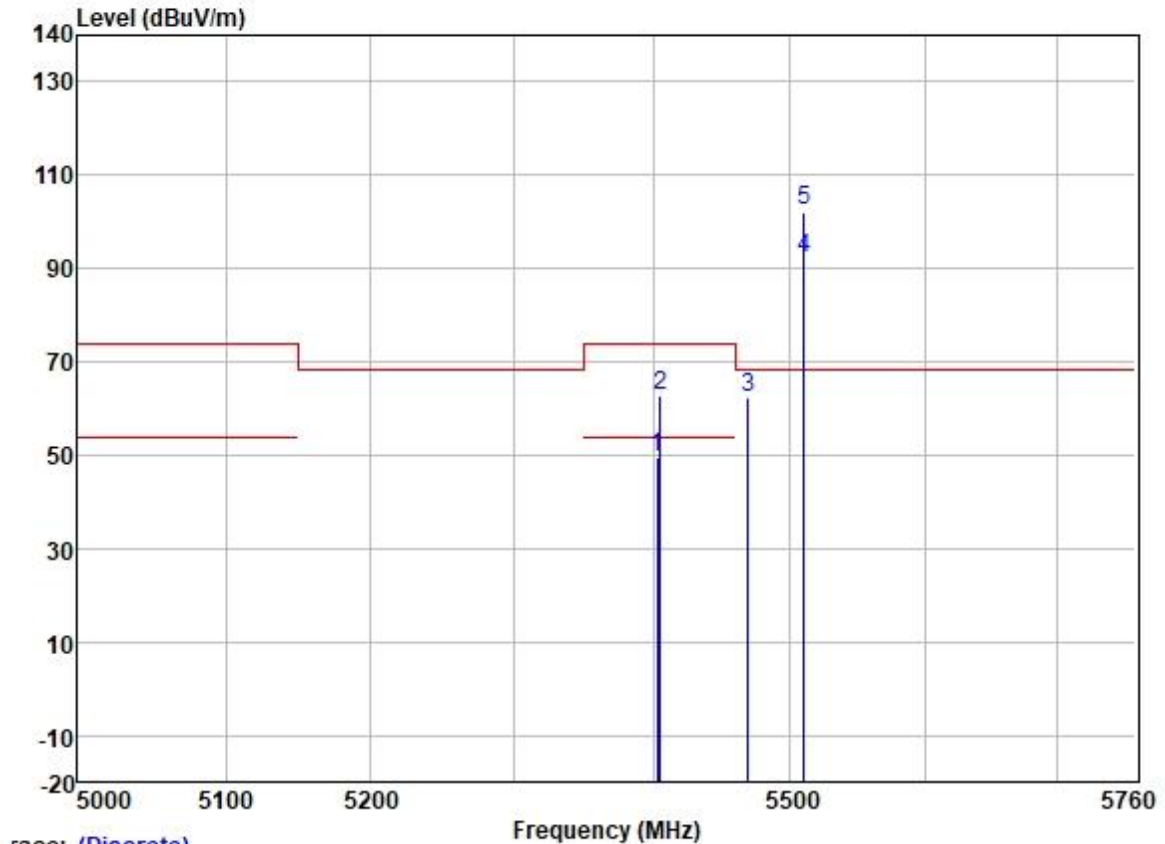
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	105.98	32.01	6.40	36.89	107.50	68.20	39.30	VERTICAL	Peak
2	5725.000	64.78	32.07	6.25	36.89	66.21	68.20	-1.99	VERTICAL	Peak
3	5726.783	64.89	32.07	6.25	36.89	66.32	68.20	-1.88	VERTICAL	Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

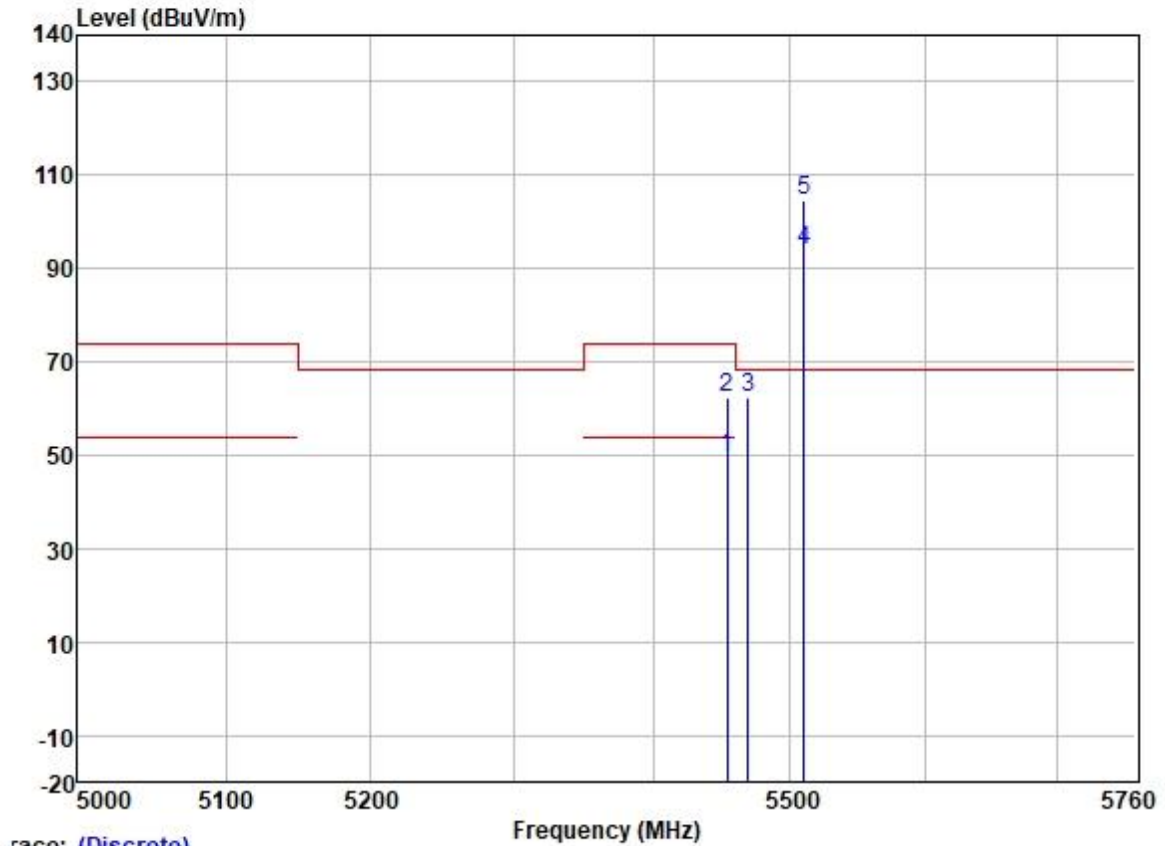
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



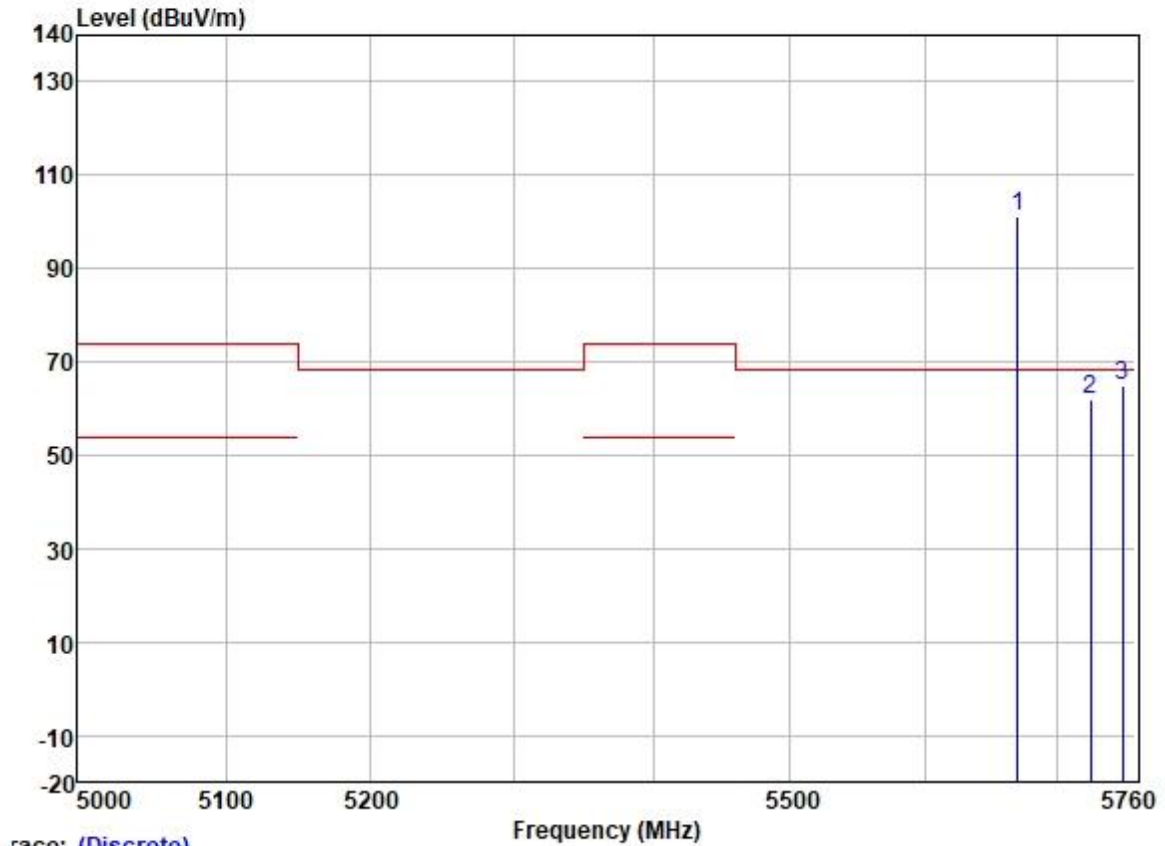
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5402.765	48.73	31.79	6.06	36.88	49.70	54.00	-4.30	HORIZONTAL	Average
2	5405.255	61.78	31.79	6.06	36.88	62.75	74.00	-11.25	HORIZONTAL	Peak
3	5468.992	61.32	31.80	6.31	36.88	62.55	68.20	-5.65	HORIZONTAL	Peak
4	5510.000	90.81	31.80	6.40	36.88	92.13	-----	-----	HORIZONTAL	Average
5 *	5510.000	100.92	31.80	6.40	36.88	102.24	68.20	34.04	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5453.616	48.55	31.79	6.26	36.88	49.72	54.00	-4.28	VERTICAL	Average
2	5453.616	61.32	31.79	6.26	36.88	62.49	74.00	-11.51	VERTICAL	Peak
3	5468.712	61.17	31.80	6.31	36.88	62.40	68.20	-5.80	VERTICAL	Peak
4	5510.000	92.39	31.80	6.40	36.88	93.71	-----	-----	VERTICAL	Average
5 *	5510.000	103.24	31.80	6.40	36.88	104.56	68.20	36.36	VERTICAL	Peak

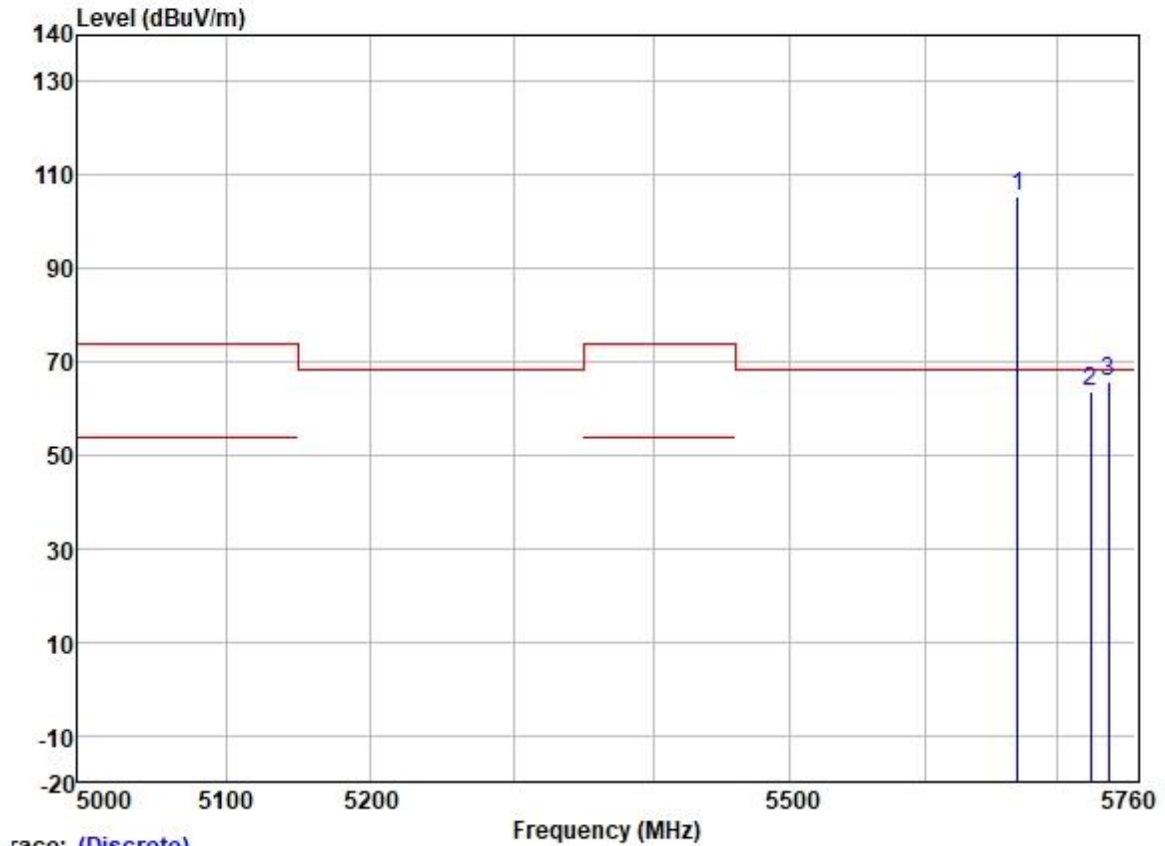
Test Mode: 22; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 40MHz; Channel: 134



Trace: (Discrete)

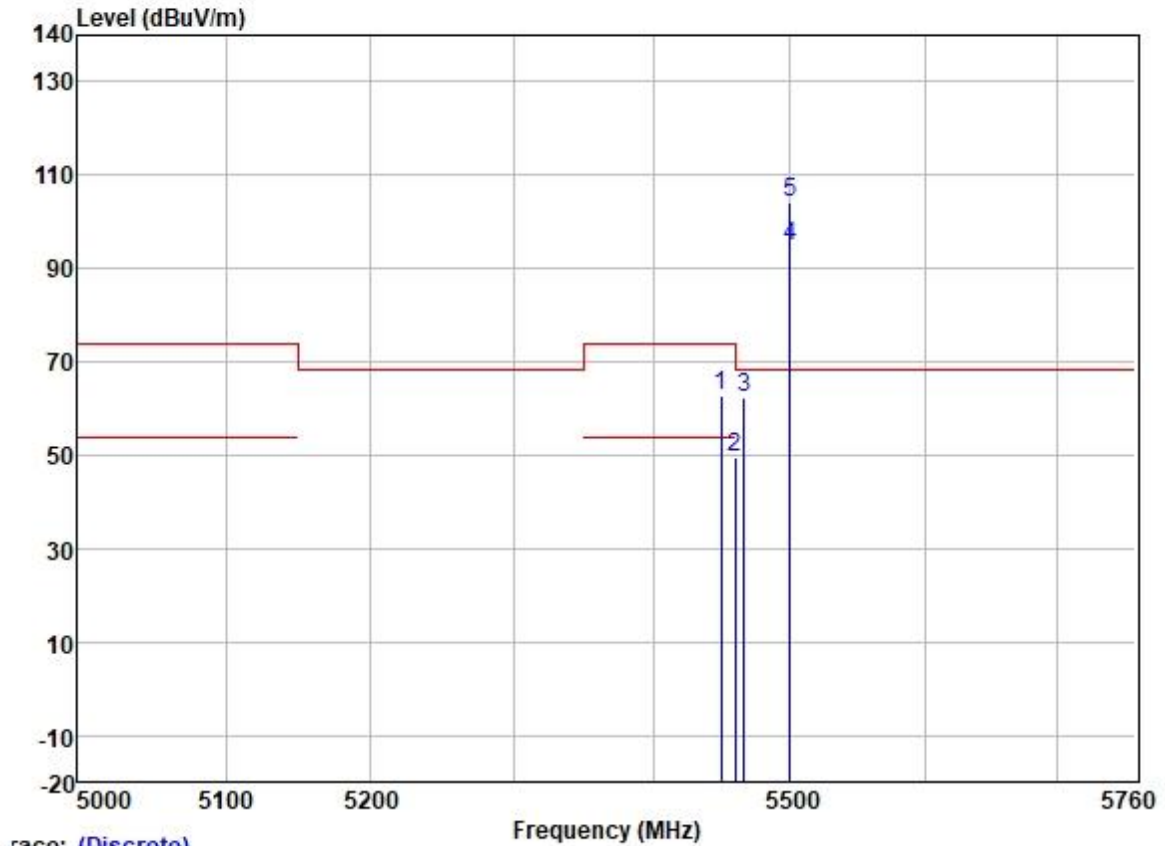
	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 *	5670.000	99.68	31.97	6.37	36.89	101.13	68.20	32.93 HORIZONTAL
2	5725.000	60.54	32.07	6.25	36.89	61.97	68.20	-6.23 HORIZONTAL
3	5750.033	63.58	32.10	6.20	36.89	64.99	68.20	-3.21 HORIZONTAL

Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:134



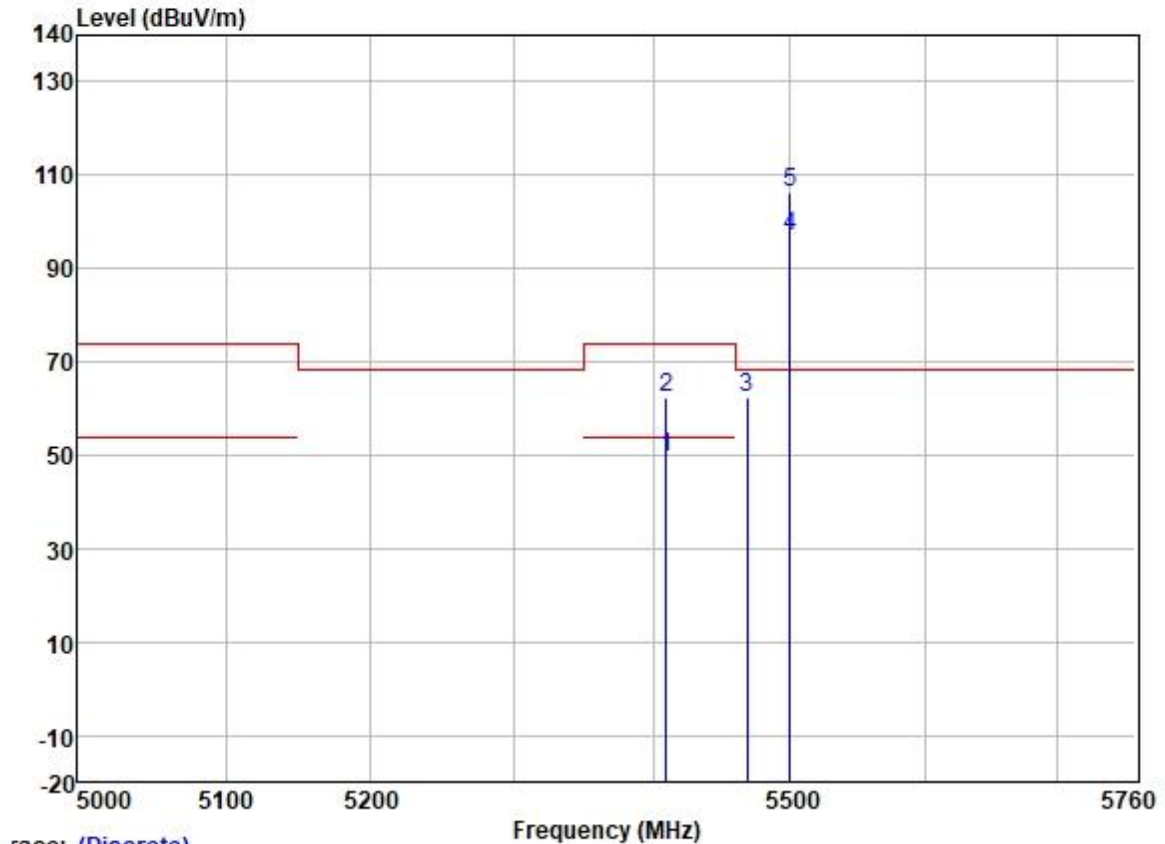
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	104.00	31.97	6.37	36.89	105.45	68.20	37.25	VERTICAL	Peak
2	5725.000	62.12	32.07	6.25	36.89	63.55	68.20	-4.65	VERTICAL	Peak
3	5739.187	64.46	32.10	6.20	36.89	65.87	68.20	-2.33	VERTICAL	Peak

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



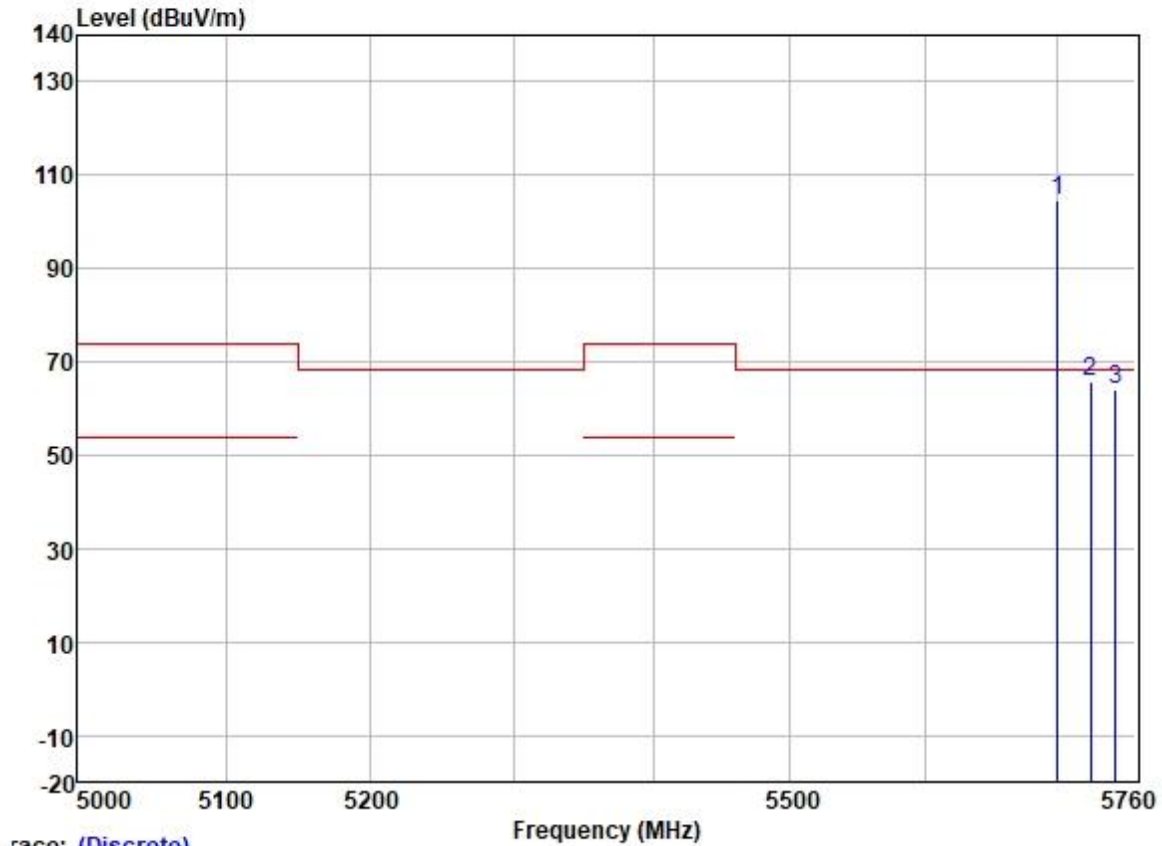
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5449.241	61.72	31.79	6.26	36.88	62.89	74.00	-11.11	HORIZONTAL	Peak
2	5459.190	48.55	31.79	6.26	36.88	49.72	54.00	-4.28	HORIZONTAL	Average
3	5465.793	60.97	31.80	6.31	36.88	62.20	68.20	-6.00	HORIZONTAL	Peak
4	5500.000	93.46	31.80	6.40	36.88	94.78	-----	-----	HORIZONTAL	Average
5 *	5500.000	102.89	31.80	6.40	36.88	104.21	68.20	36.01	HORIZONTAL	Peak

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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5409.384	48.77	31.79	6.06	36.88	49.74	54.00	-4.26	VERTICAL	Average
2	5409.384	61.34	31.79	6.06	36.88	62.31	74.00	-11.69	VERTICAL	Peak
3	5468.437	61.05	31.80	6.31	36.88	62.28	68.20	-5.92	VERTICAL	Peak
4	5500.000	95.58	31.80	6.40	36.88	96.90	-----	-----	VERTICAL	Average
5 *	5500.000	105.17	31.80	6.40	36.88	106.49	68.20	38.29	VERTICAL	Peak

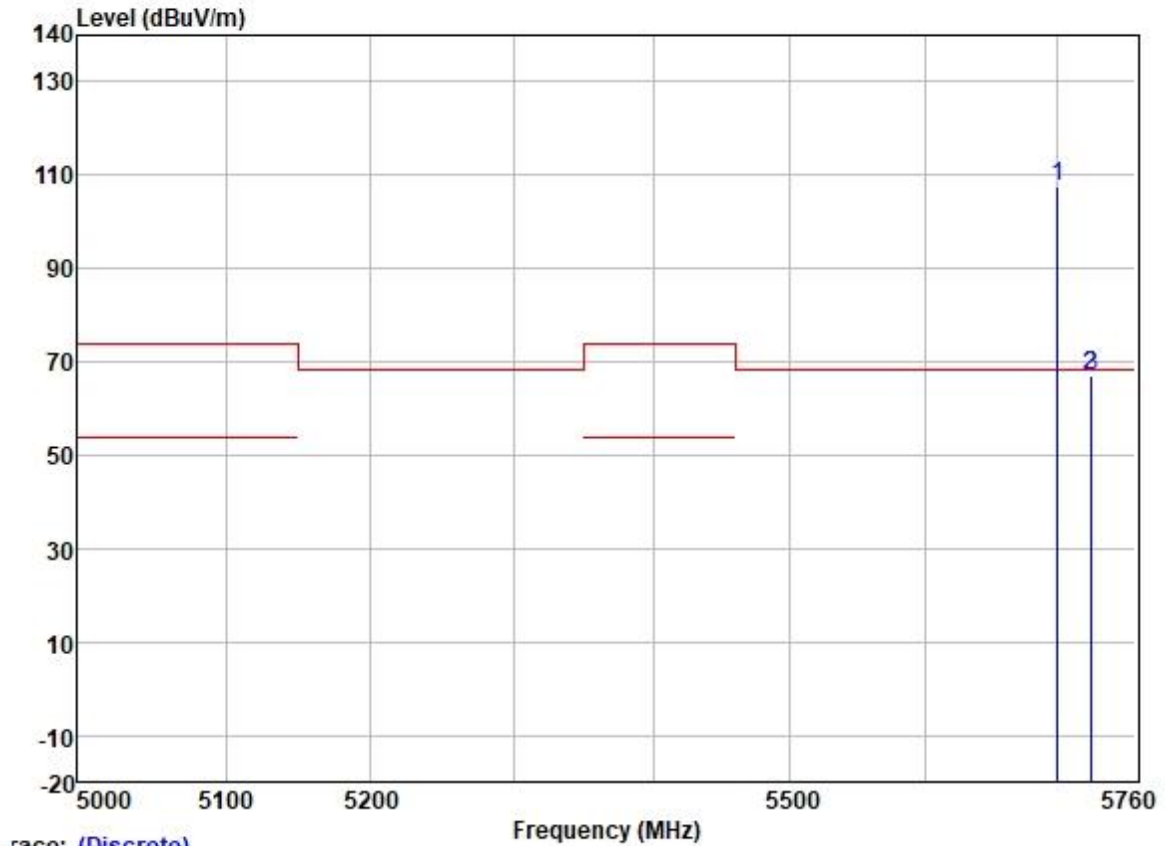
Test Mode: 22; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: 140



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	103.25	32.01	6.40	36.89	104.77	68.20	36.57 HORIZONTAL Peak
2	5725.000	64.12	32.07	6.25	36.89	65.55	68.20	-2.65 HORIZONTAL Peak
3	5744.300	62.59	32.10	6.20	36.89	64.00	68.20	-4.20 HORIZONTAL Peak

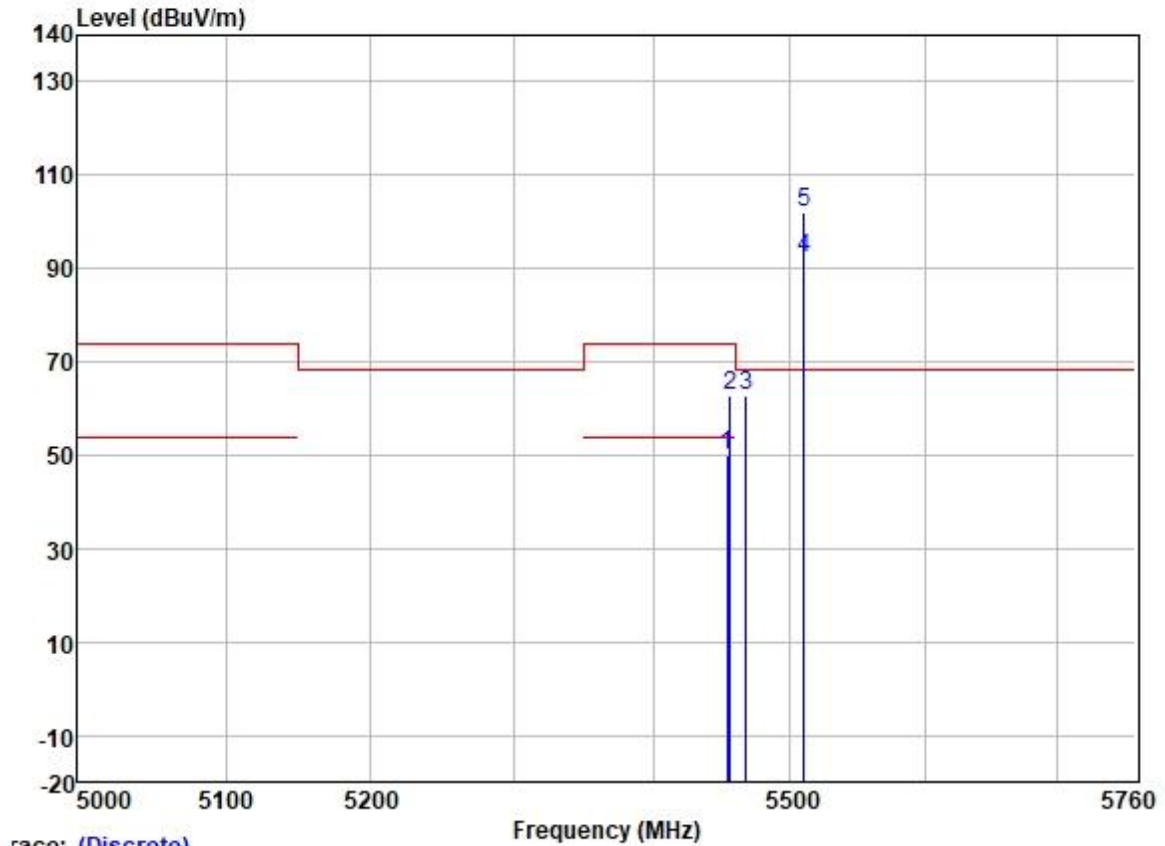
Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:140



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	106.07	32.01	6.40	36.89	107.59	68.20	39.39	VERTICAL	Peak
2	5725.000	65.57	32.07	6.25	36.89	67.00	68.20	-1.20	VERTICAL	Peak
3	5726.083	65.70	32.07	6.25	36.89	67.13	68.20	-1.07	VERTICAL	Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

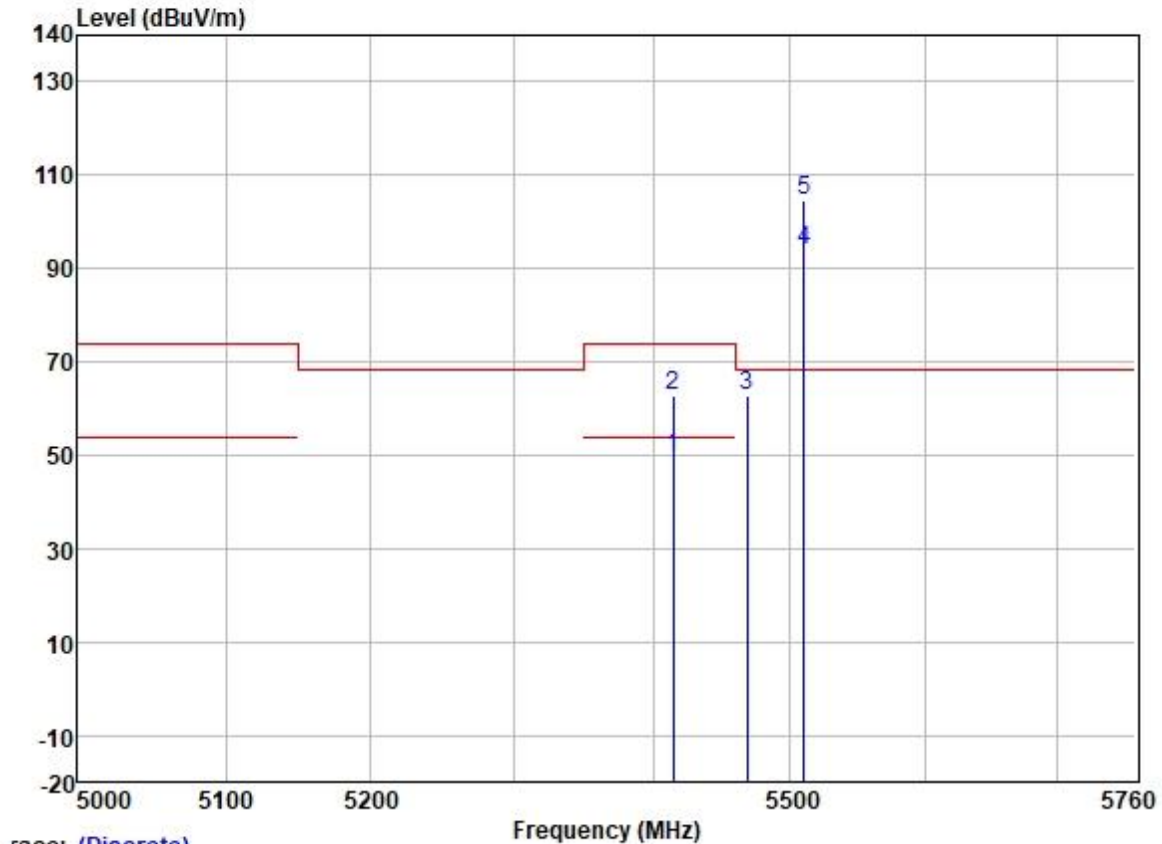
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5453.895	48.63	31.79	6.26	36.88	49.80	54.00	-4.20	HORIZONTAL Average
2	5455.850	61.69	31.79	6.26	36.88	62.86	74.00	-11.14	HORIZONTAL Peak
3	5467.732	61.57	31.80	6.31	36.88	62.80	68.20	-5.40	HORIZONTAL Peak
4	5510.000	90.81	31.80	6.40	36.88	92.13	-----	-----	HORIZONTAL Average
5 *	5510.000	100.78	31.80	6.40	36.88	102.10	68.20	33.90	HORIZONTAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

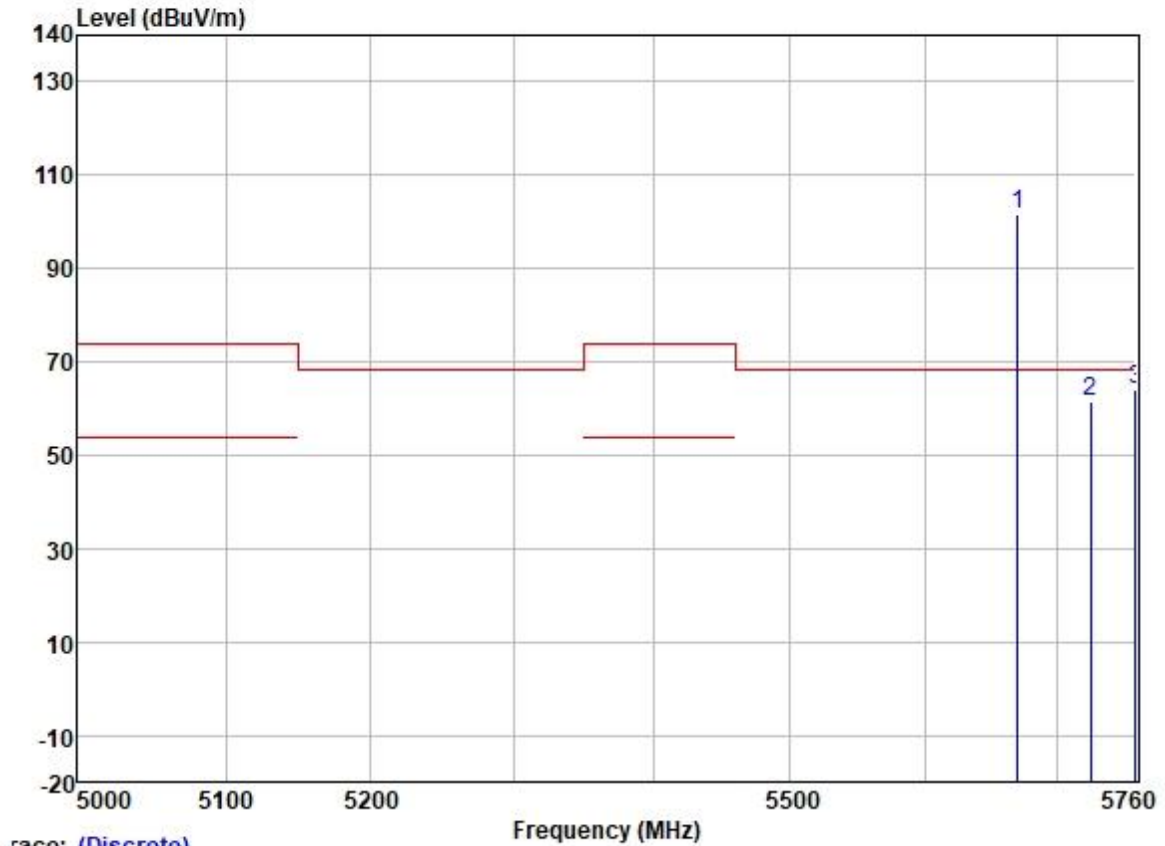
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 22; 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	5414.394	48.78	31.79	6.06	36.88	49.75	54.00	-4.25	VERTICAL	Average
2	5414.394	61.91	31.79	6.06	36.88	62.88	74.00	-11.12	VERTICAL	Peak
3	5468.012	61.37	31.80	6.31	36.88	62.60	68.20	-5.60	VERTICAL	Peak
4	5510.000	92.67	31.80	6.40	36.88	93.99	-----	-----	VERTICAL	Average
5 *	5510.000	103.24	31.80	6.40	36.88	104.56	68.20	36.36	VERTICAL	Peak

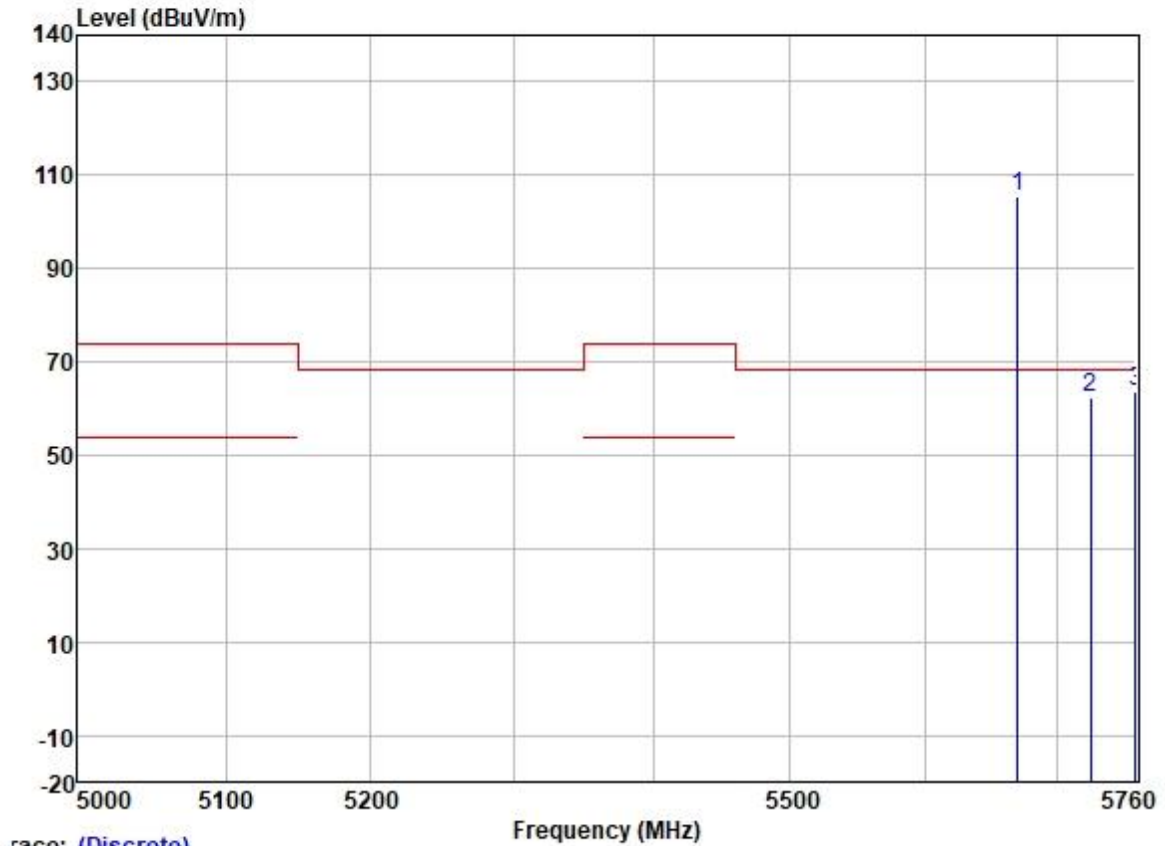
Test Mode: 22; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: 134



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	100.21	31.97	6.37	36.89	101.66	68.20	33.46	HORIZONTAL	Peak
2	5725.000	60.27	32.07	6.25	36.89	61.70	68.20	-6.50	HORIZONTAL	Peak
3	5759.345	62.72	32.13	6.15	36.89	64.11	68.20	-4.09	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:134



Trace: (Discrete)

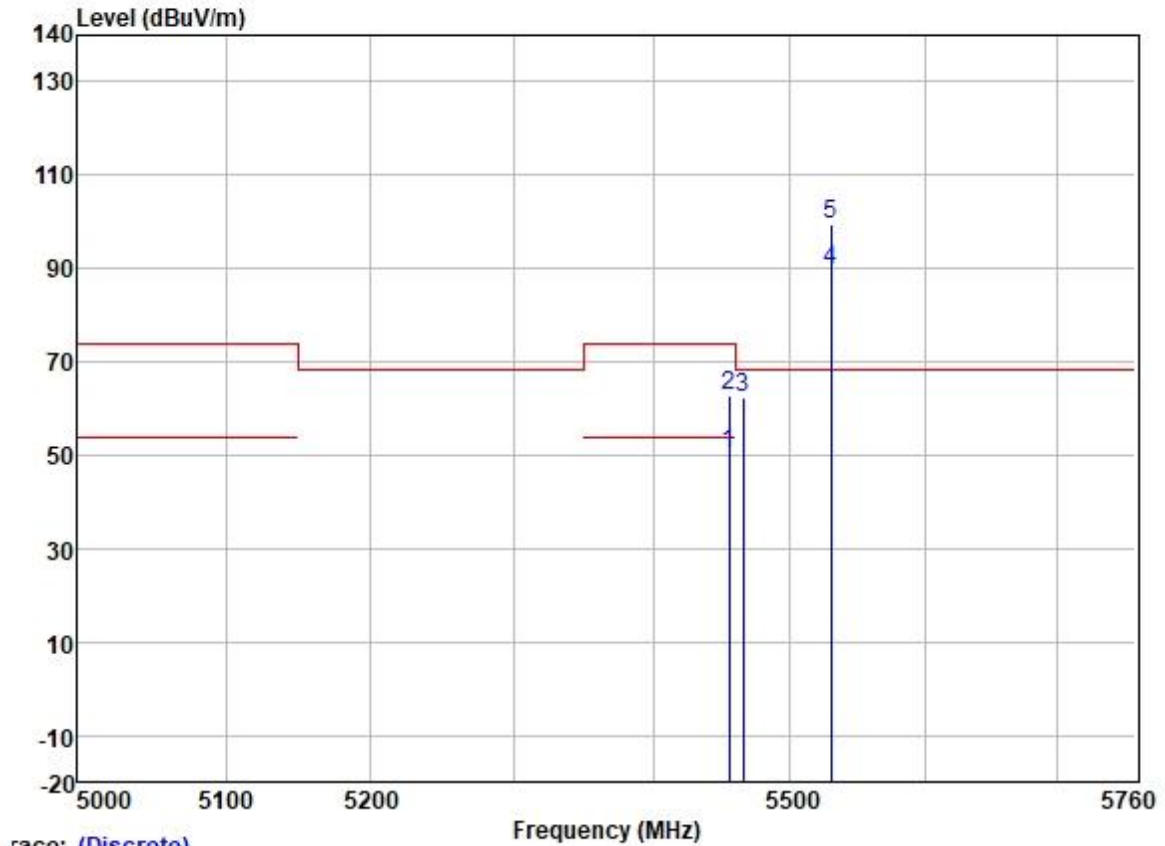
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	104.09	31.97	6.37	36.89	105.54	68.20	37.34	VERTICAL	Peak
2	5725.000	60.82	32.07	6.25	36.89	62.25	68.20	-5.95	VERTICAL	Peak
3	5759.910	62.17	32.13	6.15	36.89	63.56	68.20	-4.64	VERTICAL	Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

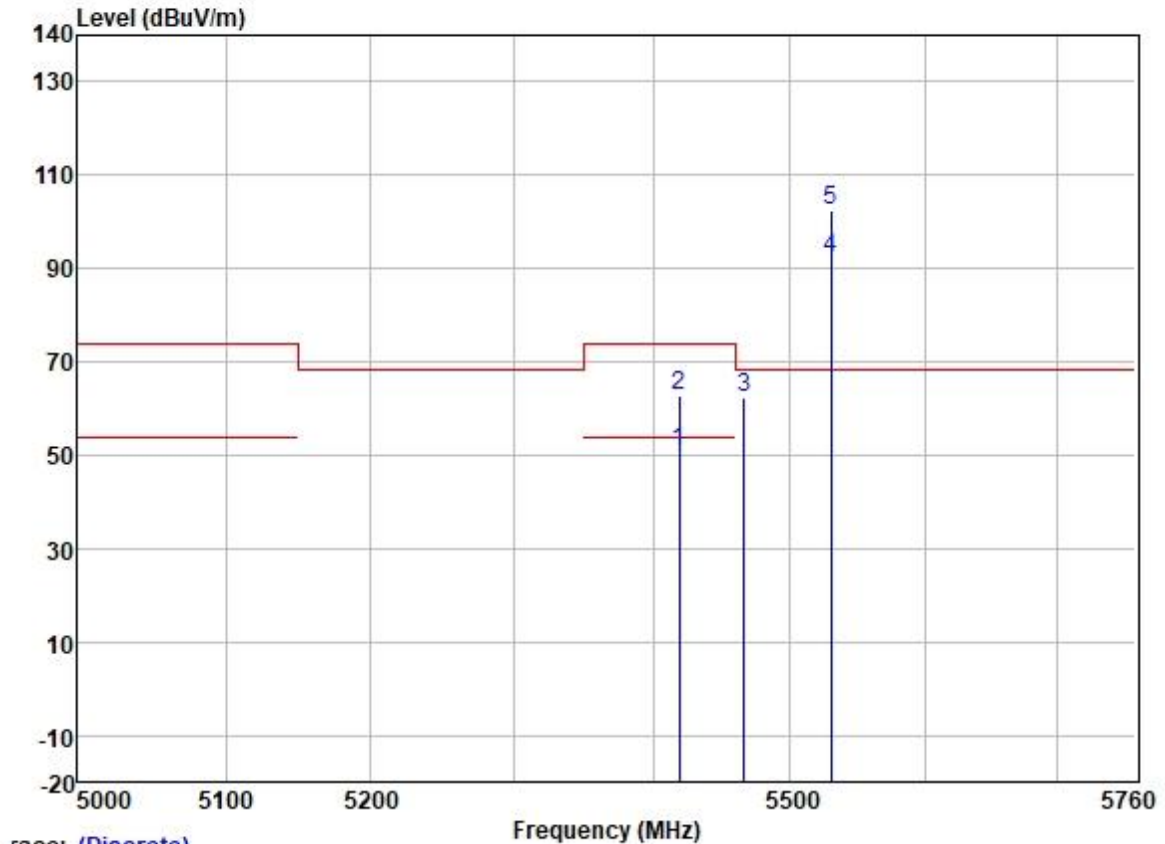
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



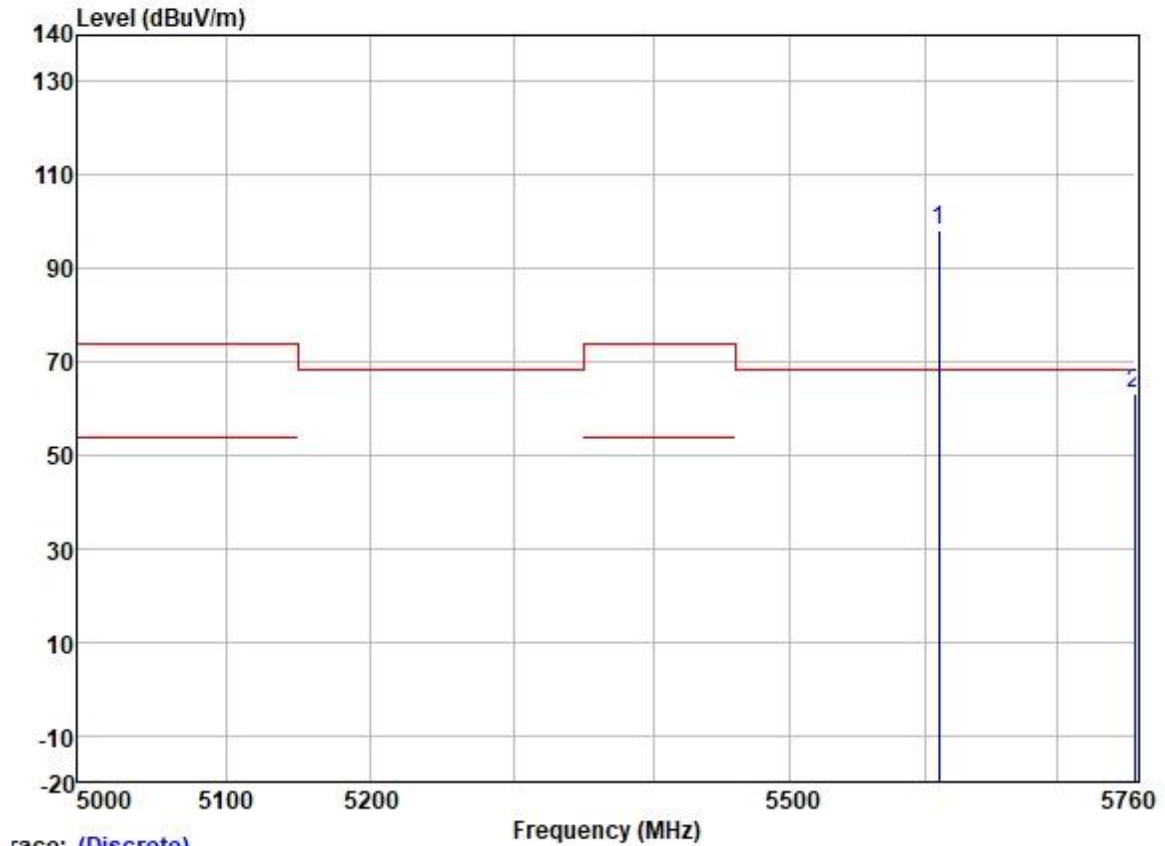
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5455.170	49.43	31.79	6.26	36.88	50.60	54.00	-3.40	HORIZONTAL	Average
2	5455.170	61.69	31.79	6.26	36.88	62.86	74.00	-11.14	HORIZONTAL	Peak
3	5465.375	60.94	31.80	6.31	36.88	62.17	68.20	-6.03	HORIZONTAL	Peak
4	5530.000	88.31	31.83	6.37	36.89	89.62	-----	-----	HORIZONTAL	Average
5 *	5530.000	98.36	31.83	6.37	36.89	99.67	68.20	31.47	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; 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	5418.446	49.82	31.79	6.13	36.88	50.86	54.00	-3.14	VERTICAL	Average
2	5418.446	61.59	31.79	6.13	36.88	62.63	74.00	-11.37	VERTICAL	Peak
3	5466.092	61.32	31.80	6.31	36.88	62.55	68.20	-5.65	VERTICAL	Peak
4	5530.000	90.72	31.83	6.37	36.89	92.03	-----	-----	VERTICAL	Average
5 *	5530.000	101.04	31.83	6.37	36.89	102.35	68.20	34.15	VERTICAL	Peak

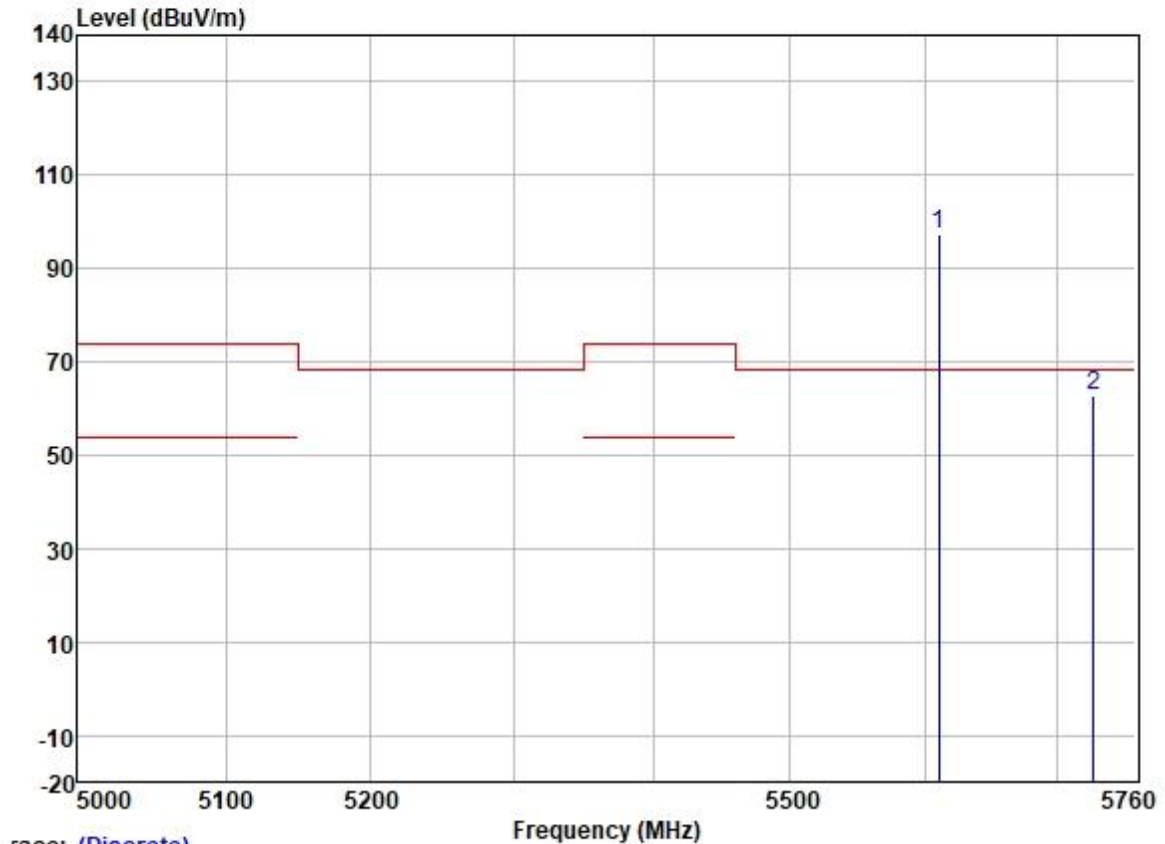
Test Mode: 22; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 80MHz; Channel: 122



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	96.92	31.91	6.32	36.89	98.26	68.20	30.06	HORIZONTAL	Peak
2	5758.575	61.67	32.13	6.15	36.89	63.06	68.20	-5.14	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:122



Trace: (Discrete)

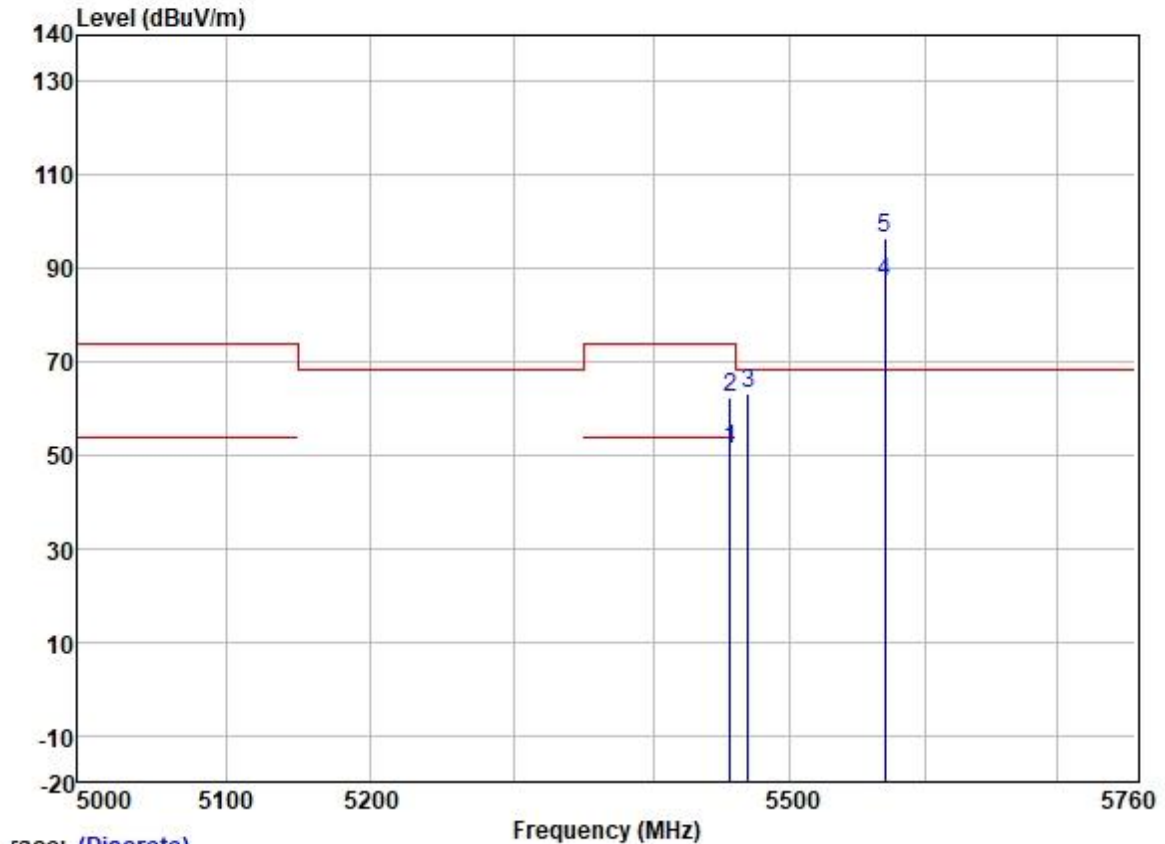
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5610.000	95.88	31.91	6.32	36.89	97.22	68.20	29.02	VERTICAL Peak
2	5727.118	61.47	32.07	6.25	36.89	62.90	68.20	-5.30	VERTICAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

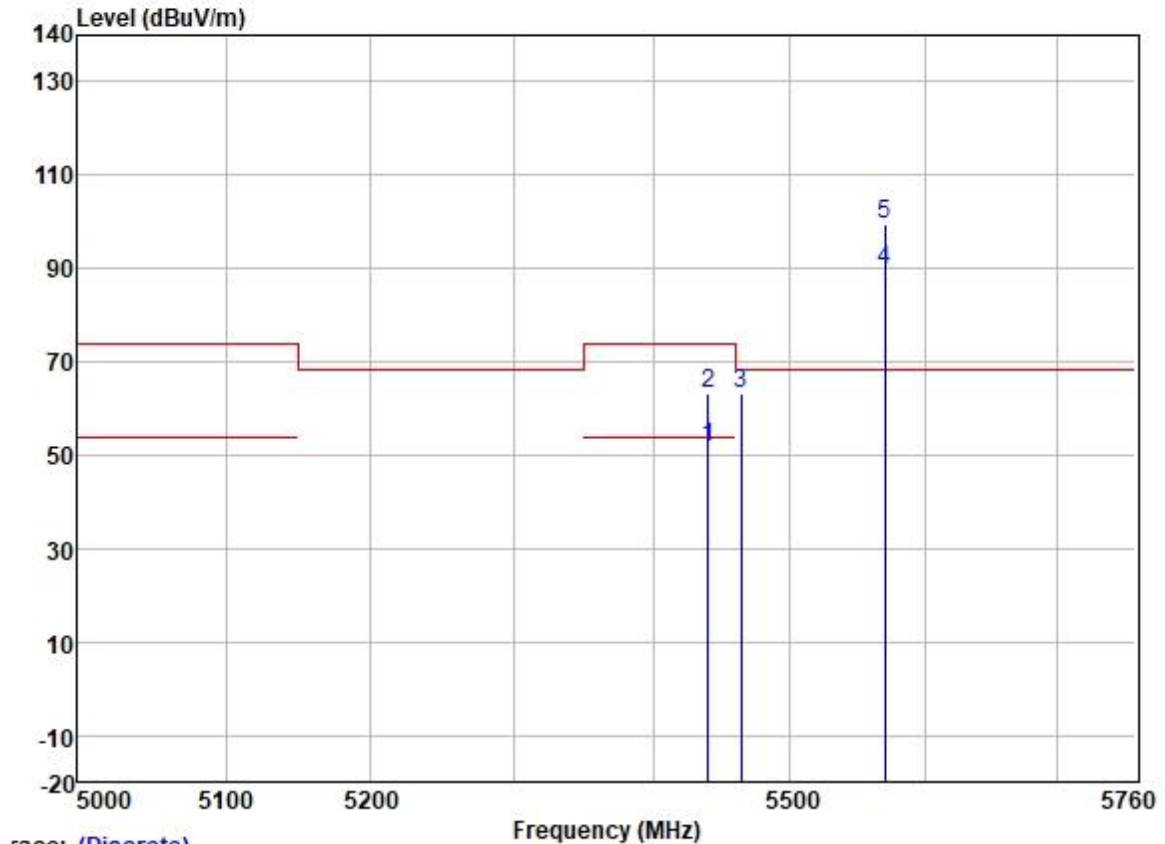
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



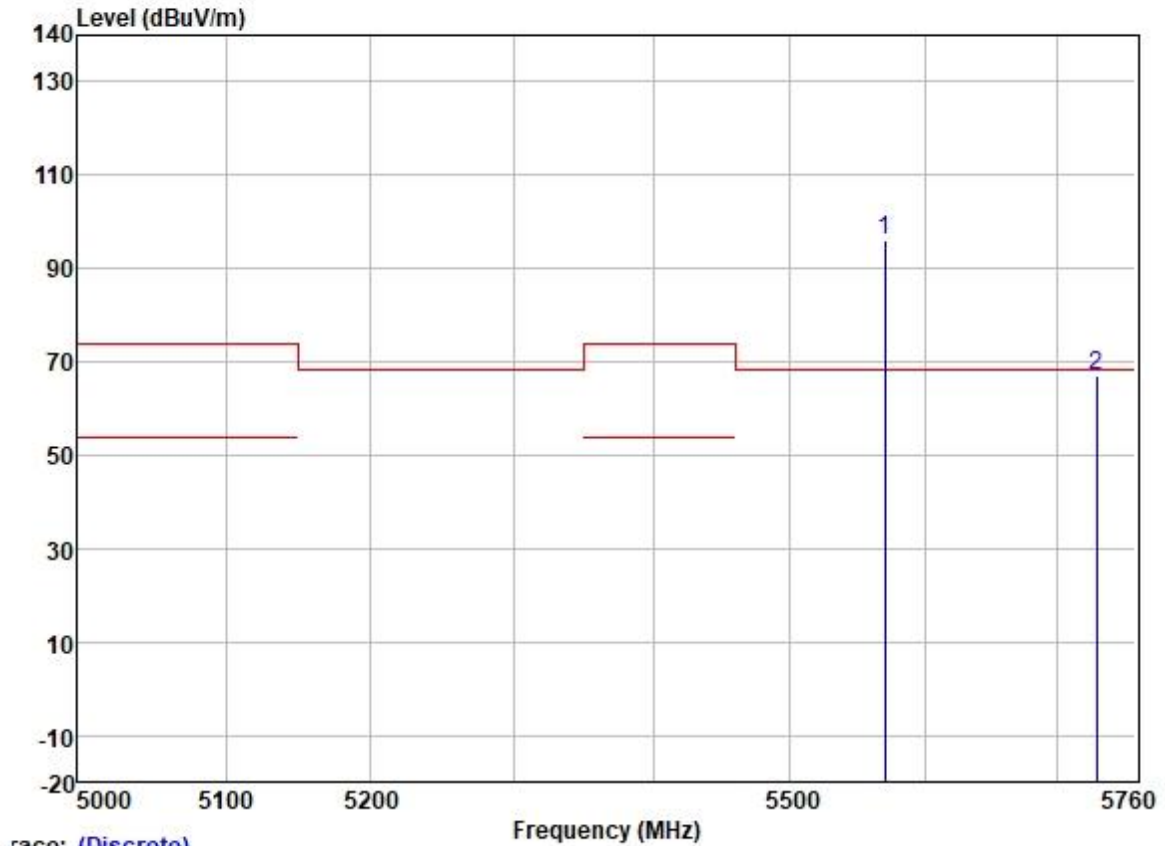
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5456.008	49.90	31.79	6.26	36.88	51.07	54.00	-2.93	HORIZONTAL	Average
2	5456.008	61.15	31.79	6.26	36.88	62.32	74.00	-11.68	HORIZONTAL	Peak
3	5468.863	61.81	31.80	6.31	36.88	63.04	68.20	-5.16	HORIZONTAL	Peak
4	5570.000	85.94	31.86	6.33	36.89	87.24	-----	-----	HORIZONTAL	Average
5 *	5570.000	95.33	31.86	6.33	36.89	96.63	68.20	28.43	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; 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	5439.982	50.61	31.79	6.20	36.88	51.72	54.00	-2.28	VERTICAL	Average
2	5439.982	62.16	31.79	6.20	36.88	63.27	74.00	-10.73	VERTICAL	Peak
3	5463.916	62.04	31.80	6.31	36.88	63.27	68.20	-4.93	VERTICAL	Peak
4	5570.000	88.38	31.86	6.33	36.89	89.68	-----	-----	VERTICAL	Average
5 *	5570.000	98.37	31.86	6.33	36.89	99.67	68.20	31.47	VERTICAL	Peak

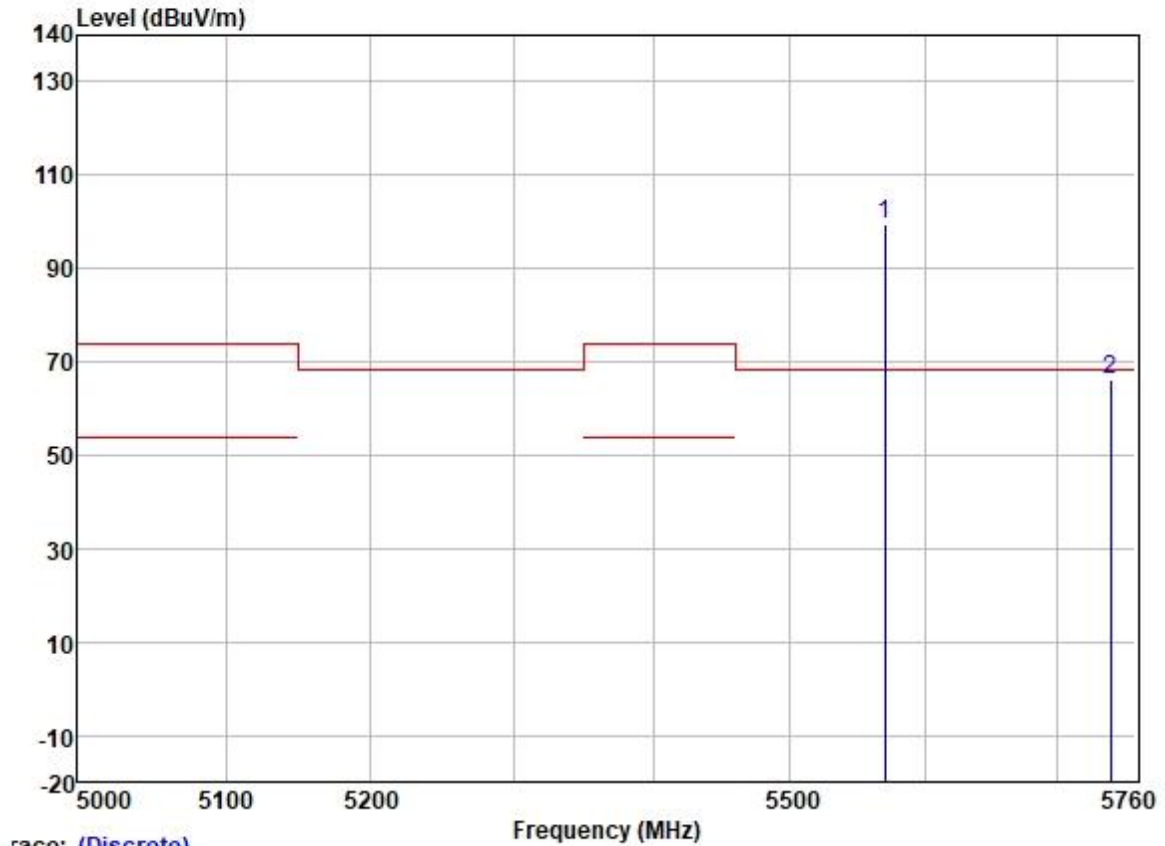
Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



Trace: (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 *	5570.000	94.83	31.86	6.33	36.89	96.13	68.20	27.93 HORIZONTAL Peak
2	5729.662	65.55	32.07	6.25	36.89	66.98	68.20	-1.22 HORIZONTAL Peak

Test Mode: 22; Polarity: Vertical; Modulation: 802.11ax; Bandwidth: 160MHz; Channel: middle



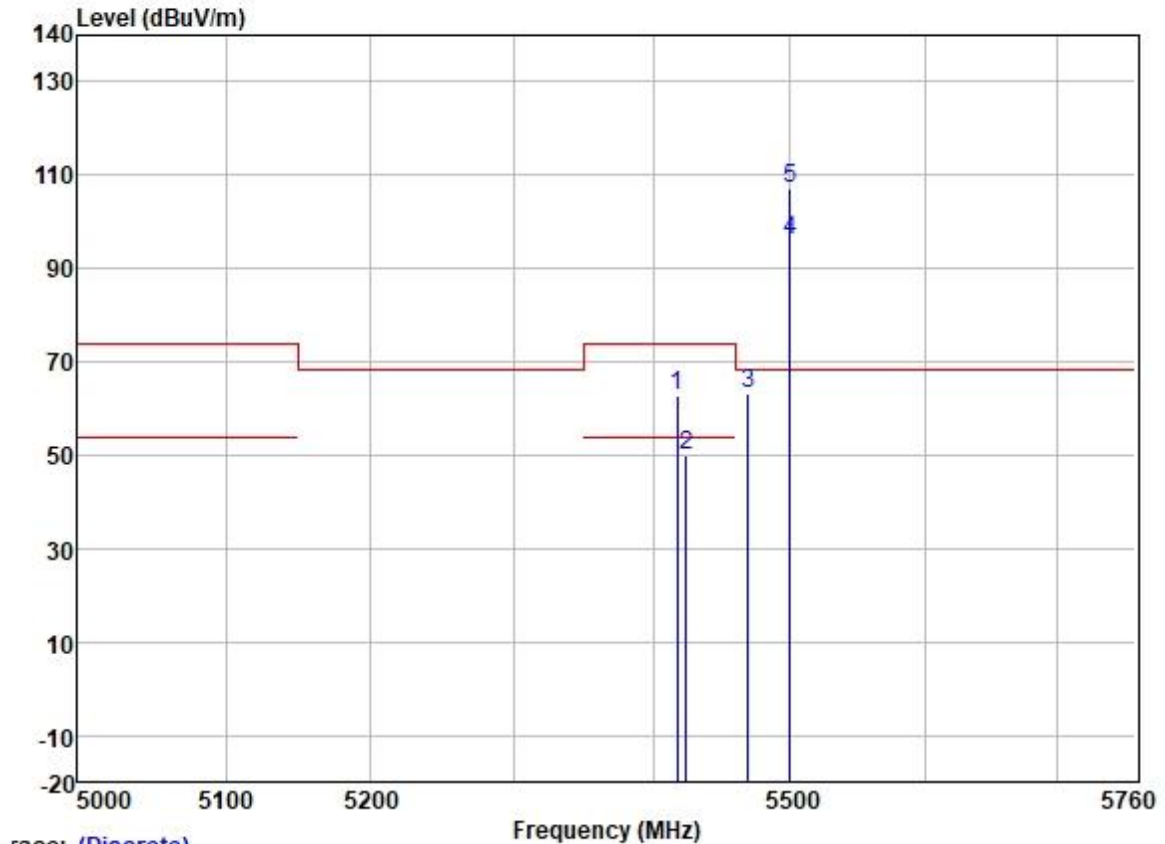
	Read	Antenna	Cable	Preamp	Limit	Over			
	Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5570.000	98.32	31.86	6.33	36.89	99.62	68.20	31.42	VERTICAL Peak
2	5740.399	64.64	32.10	6.20	36.89	66.05	68.20	-2.15	VERTICAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

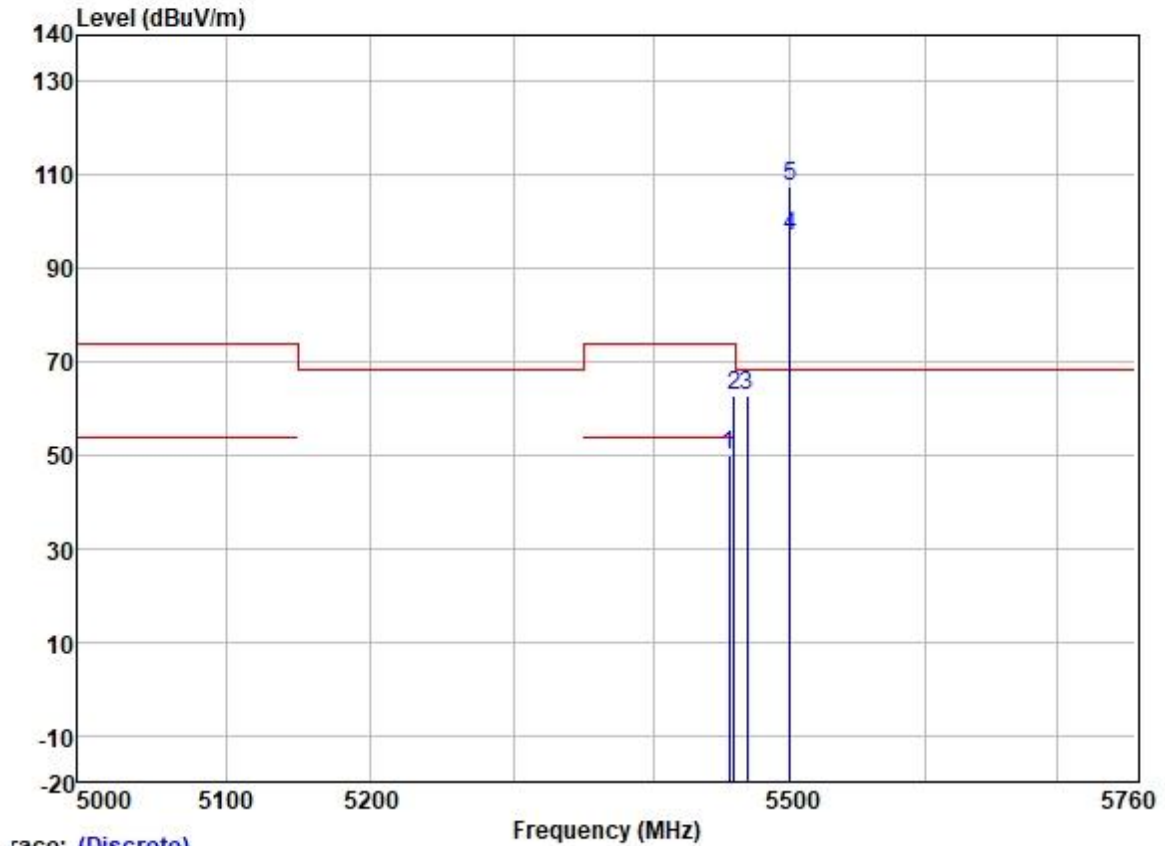
Test Mode: 22; Polarity: Horizontal; Modulation: 802.11ax; Bandwidth: 20MHz; Channel: Low



Trace: (Discrete)

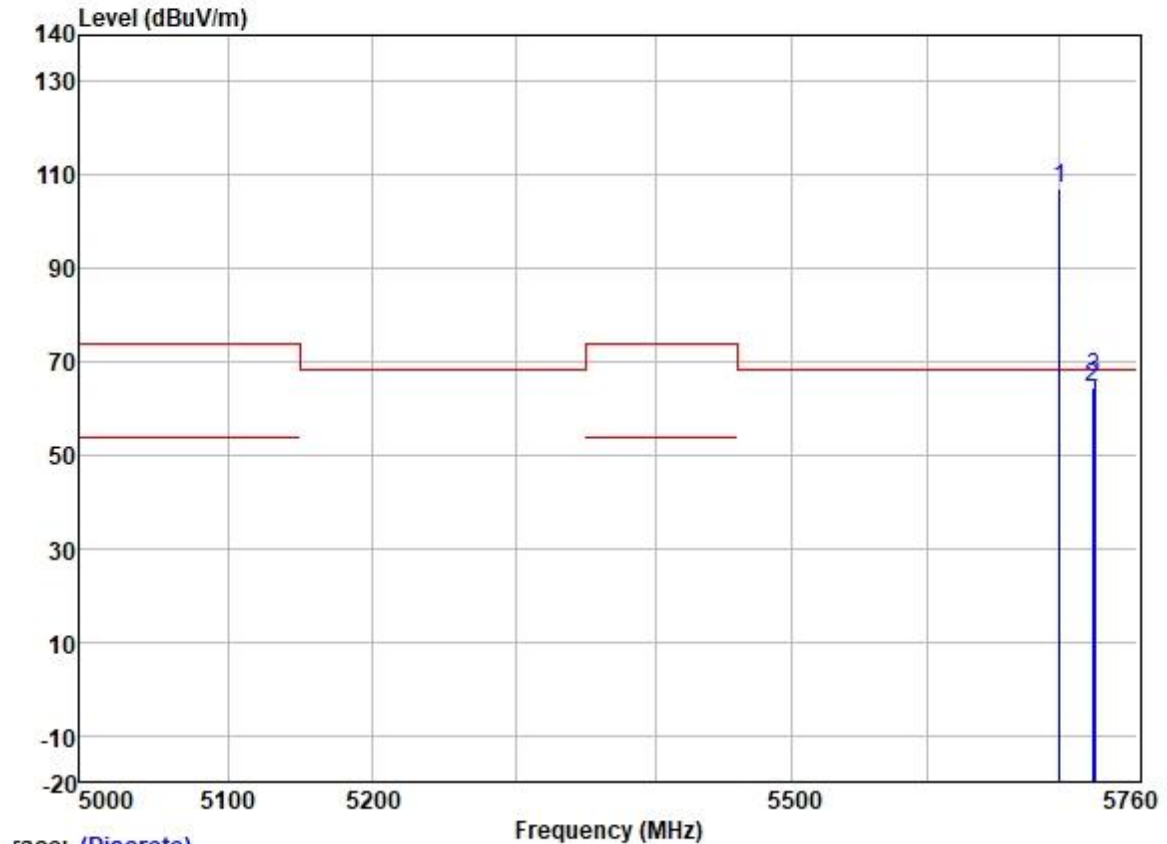
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5417.594	61.75	31.79	6.13	36.88	62.79	74.00	-11.21	HORIZONTAL	Peak
2	5423.551	48.91	31.79	6.13	36.88	49.95	54.00	-4.05	HORIZONTAL	Average
3	5468.798	62.18	31.80	6.31	36.88	63.41	68.20	-4.79	HORIZONTAL	Peak
4	5500.000	94.64	31.80	6.40	36.88	95.96	-----	-----	HORIZONTAL	Average
5 *	5500.000	105.98	31.80	6.40	36.88	107.30	68.20	39.10	HORIZONTAL	Peak

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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5454.992	48.79	31.79	6.26	36.88	49.96	54.00	-4.04	VERTICAL	Average
2	5458.831	61.79	31.79	6.26	36.88	62.96	74.00	-11.04	VERTICAL	Peak
3	5468.437	61.73	31.80	6.31	36.88	62.96	68.20	-5.24	VERTICAL	Peak
4	5500.000	95.53	31.80	6.40	36.88	96.85	-----	-----	VERTICAL	Average
5 *	5500.000	106.14	31.80	6.40	36.88	107.46	68.20	39.26	VERTICAL	Peak

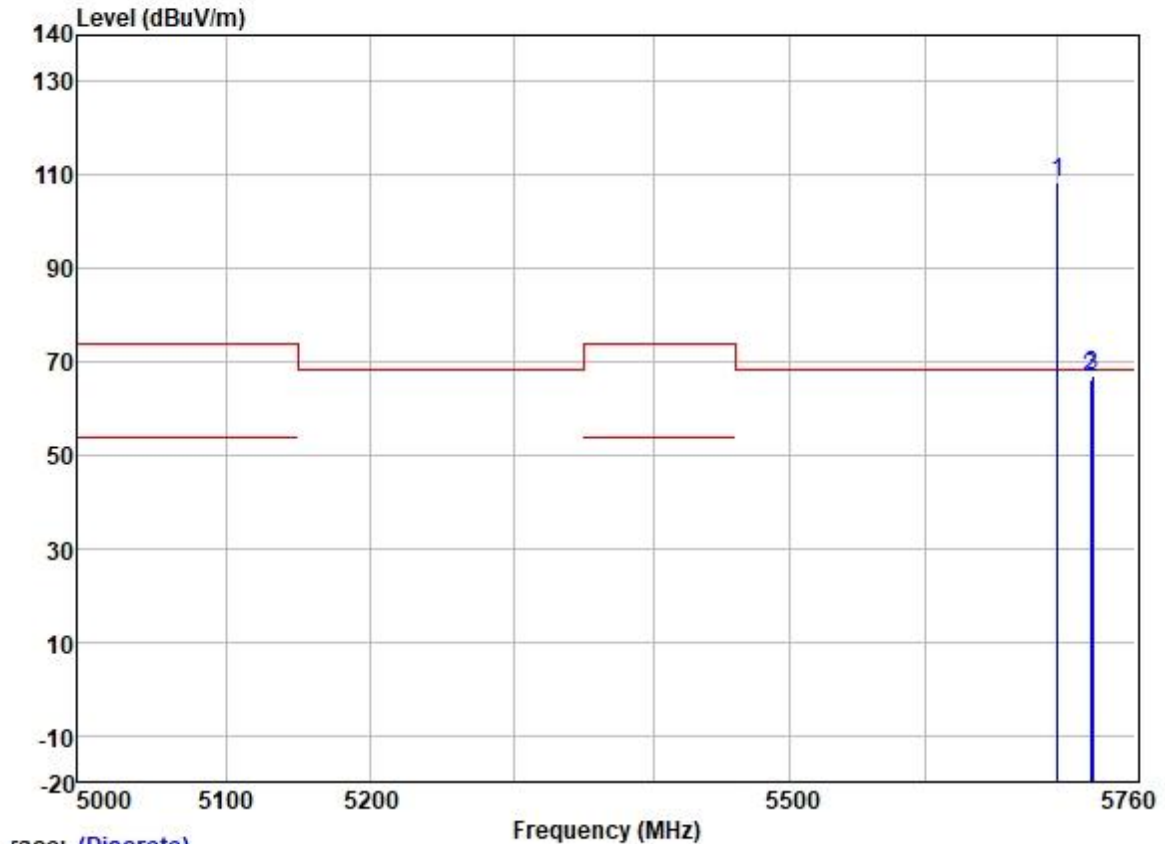
Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:140



Trace: (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	105.63	32.01	6.40	36.89	107.15	68.20	38.95	HORIZONTAL	Peak
2	5725.000	63.15	32.07	6.25	36.89	64.58	68.20	-3.62	HORIZONTAL	Peak
3	5726.883	65.38	32.07	6.25	36.89	66.81	68.20	-1.39	HORIZONTAL	Peak

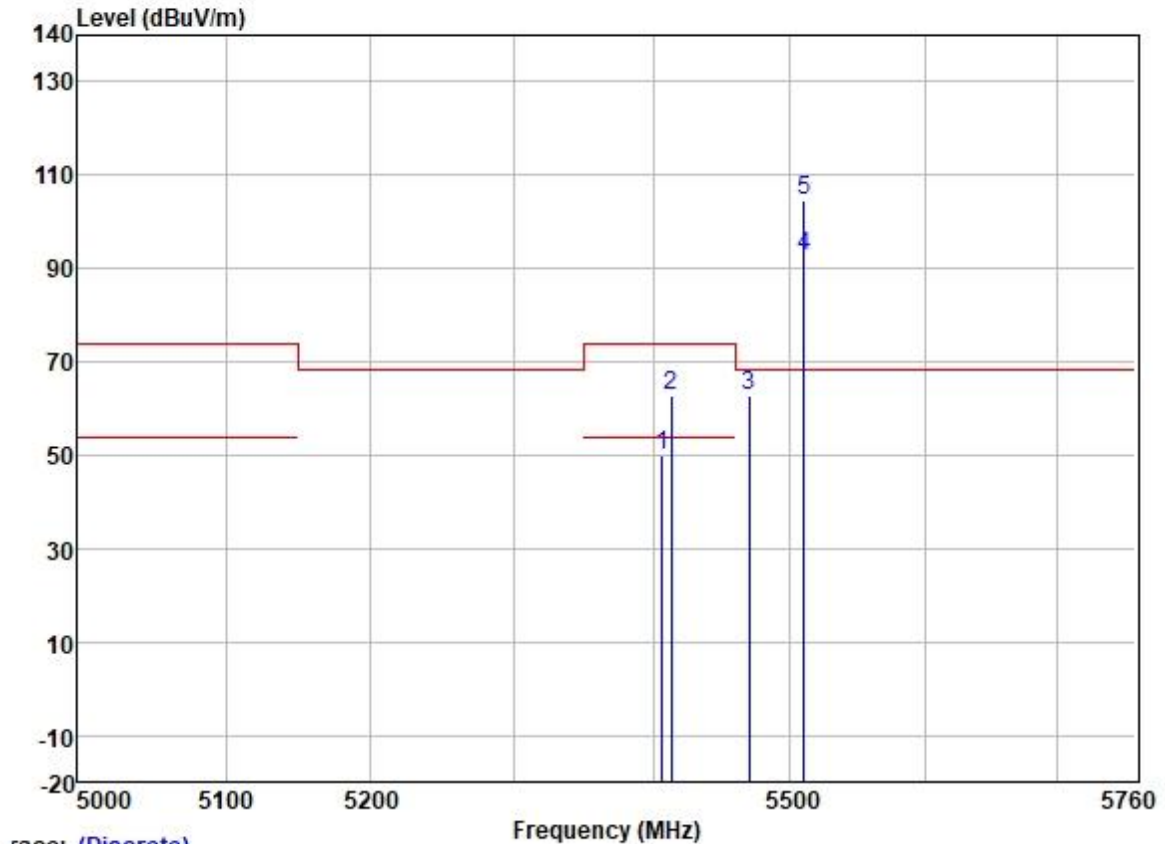
Test Mode: 22; Polarity: Vertical; Modulation: 802.11ax; Bandwidth: 20MHz; Channel: 140



Trace: (Discrete)

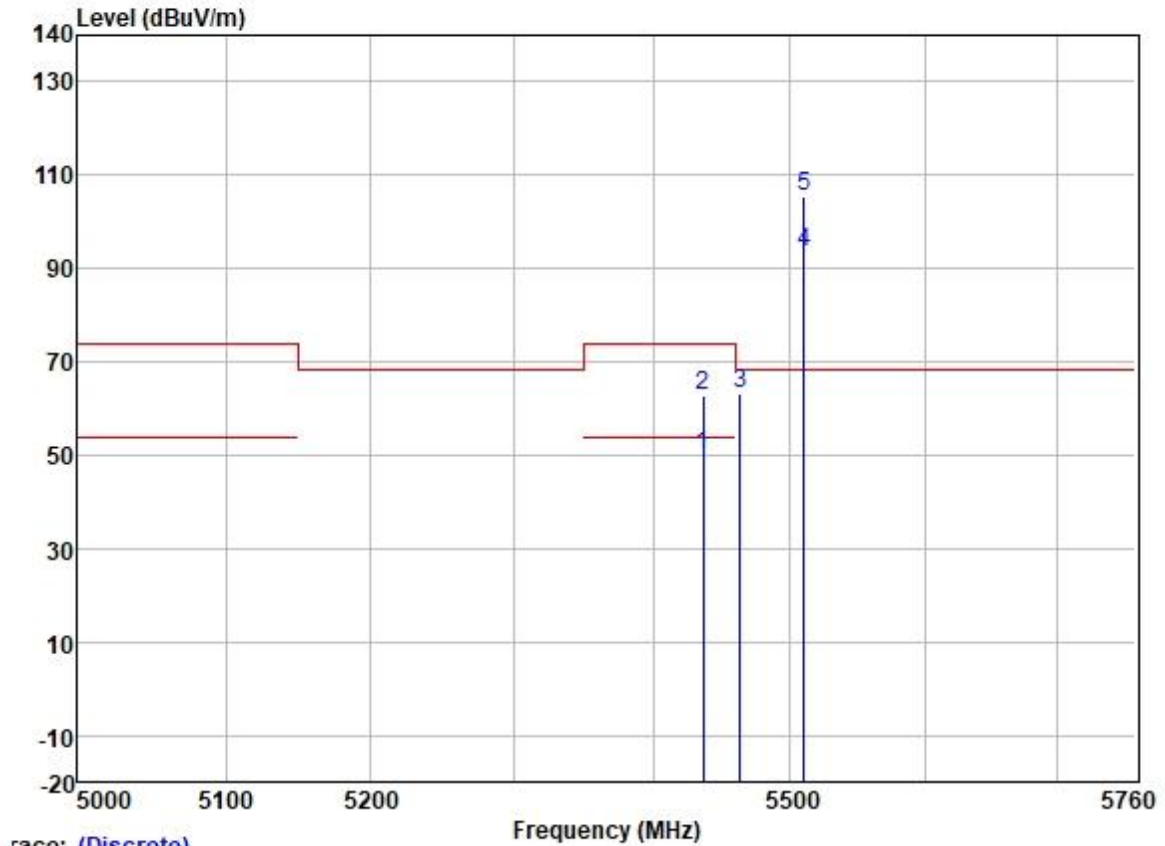
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	106.94	32.01	6.40	36.89	108.46	68.20	40.26	VERTICAL	Peak
2	5725.000	64.97	32.07	6.25	36.89	66.40	68.20	-1.80	VERTICAL	Peak
3	5726.982	65.80	32.07	6.25	36.89	67.23	68.20	-0.97	VERTICAL	Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



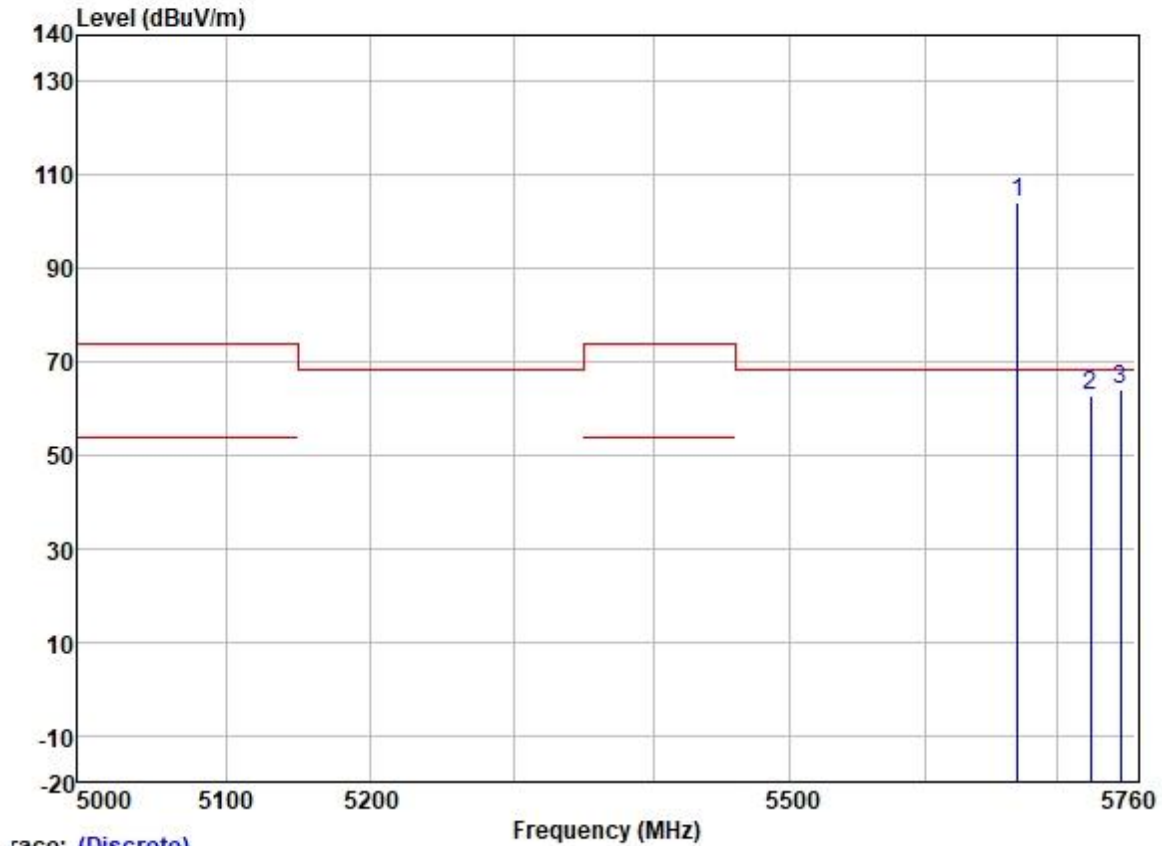
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5406.639	48.92	31.79	6.06	36.88	49.89	54.00	-4.11	HORIZONTAL	Average
2	5412.870	61.94	31.79	6.06	36.88	62.91	74.00	-11.09	HORIZONTAL	Peak
3	5469.972	61.46	31.80	6.31	36.88	62.69	68.20	-5.51	HORIZONTAL	Peak
4	5510.000	91.46	31.80	6.40	36.88	92.78	-----	-----	HORIZONTAL	Average
5 *	5510.000	103.25	31.80	6.40	36.88	104.57	68.20	36.37	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ax; 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	5436.474	48.84	31.79	6.20	36.88	49.95	54.00	-4.05	VERTICAL	Average
2	5436.474	61.67	31.79	6.20	36.88	62.78	74.00	-11.22	VERTICAL	Peak
3	5463.396	61.90	31.79	6.26	36.88	63.07	68.20	-5.13	VERTICAL	Peak
4	5510.000	92.00	31.80	6.40	36.88	93.32	-----	-----	VERTICAL	Average
5 *	5510.000	104.01	31.80	6.40	36.88	105.33	68.20	37.13	VERTICAL	Peak

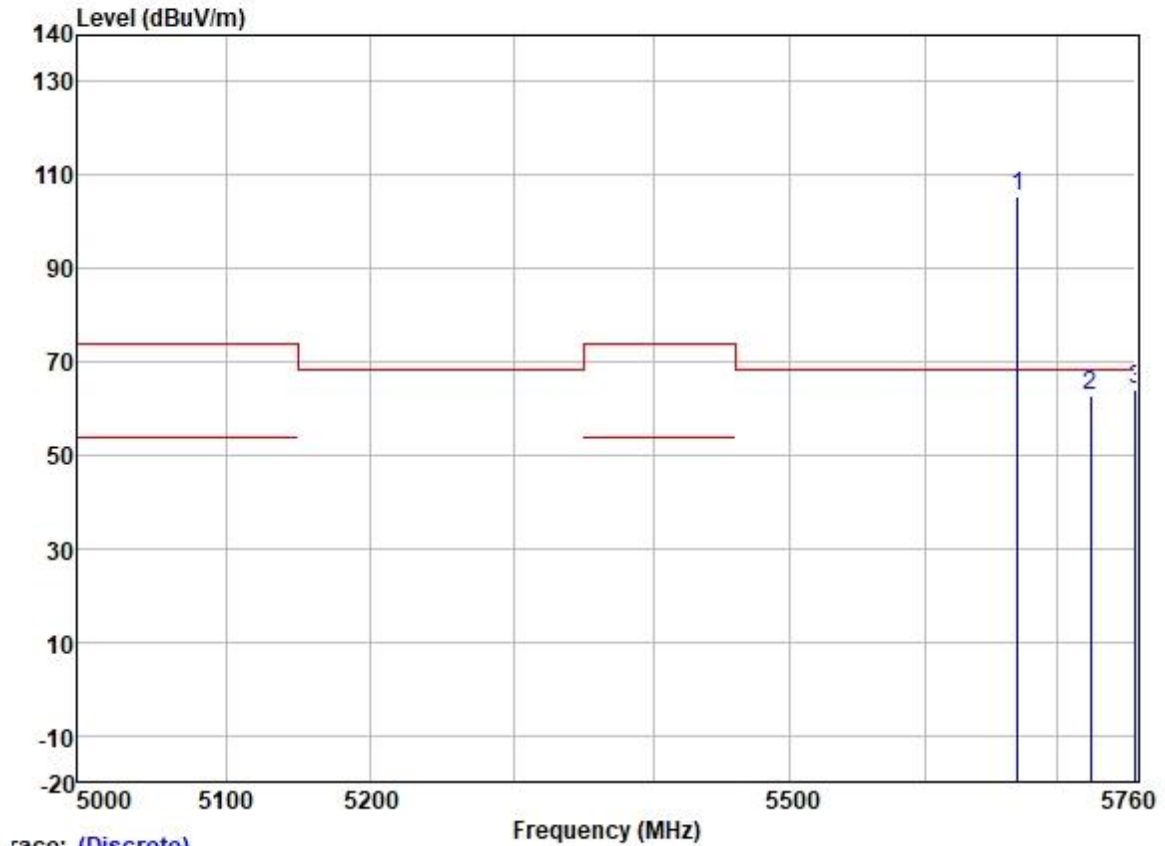
Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:134



race: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB	
1 *	5670.000	102.66	31.97	6.37	36.89	104.11	68.20	35.91 HORIZONTAL Peak
2	5725.000	61.31	32.07	6.25	36.89	62.74	68.20	-5.46 HORIZONTAL Peak
3	5748.482	62.46	32.10	6.20	36.89	63.87	68.20	-4.33 HORIZONTAL Peak

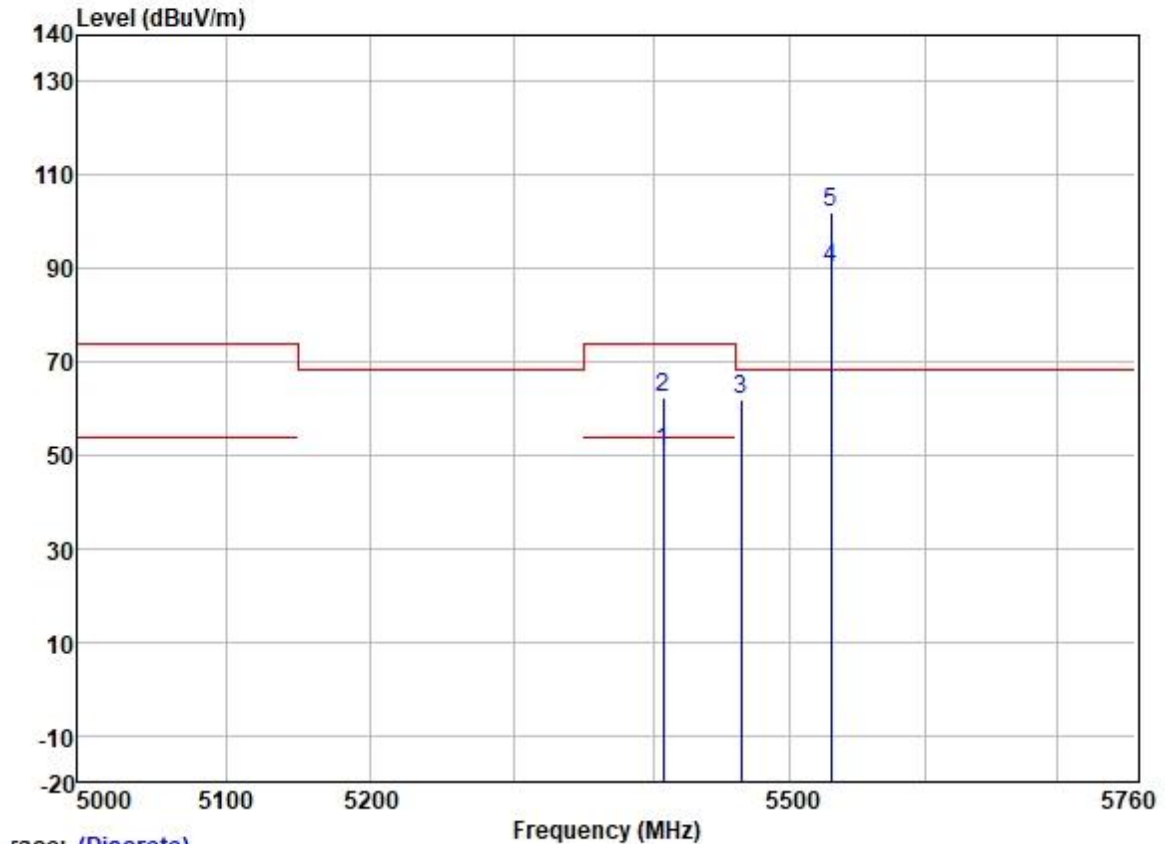
Test Mode: 22; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:134



race: (Discrete)

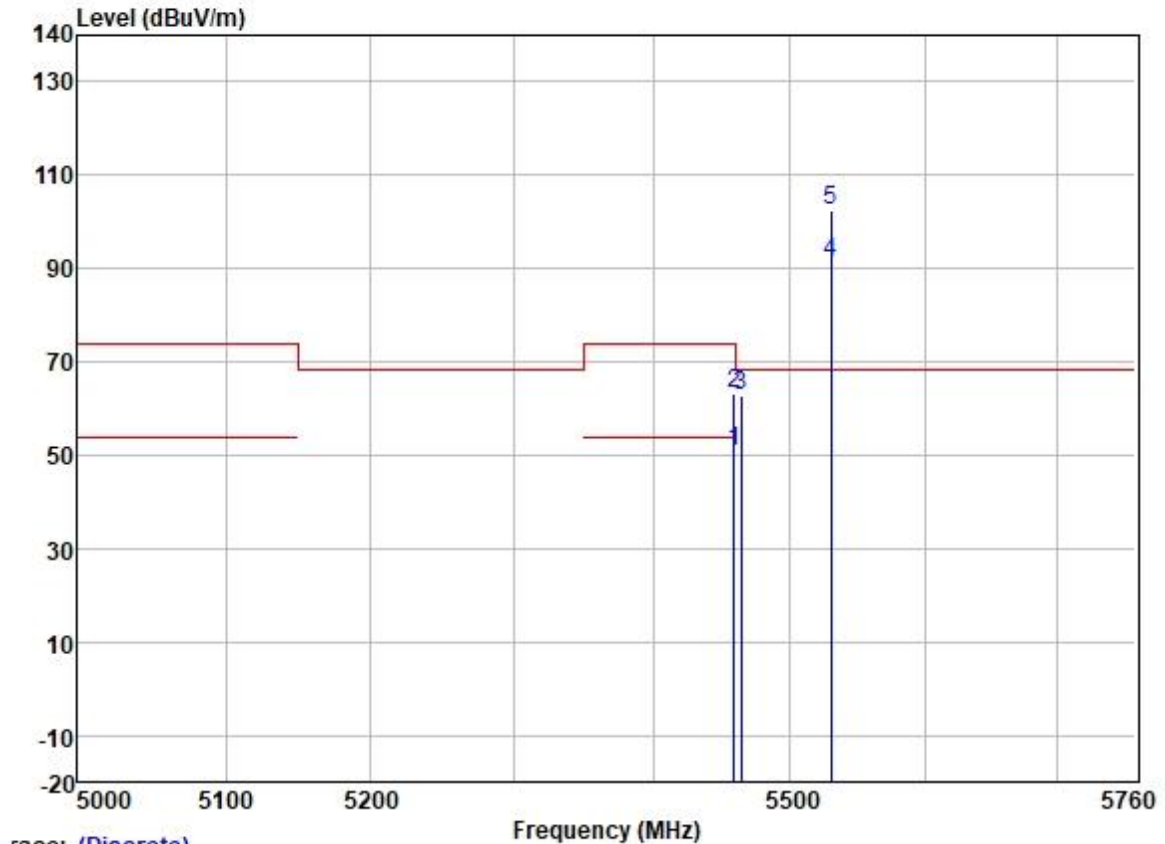
	Read	Antenna	Cable	Preamp	Limit	Over			
	Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	104.12	31.97	6.37	36.89	105.57	68.20	37.37	VERTICAL Peak
2	5725.000	61.14	32.07	6.25	36.89	62.57	68.20	-5.63	VERTICAL Peak
3	5759.769	62.68	32.13	6.15	36.89	64.07	68.20	-4.13	VERTICAL Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low



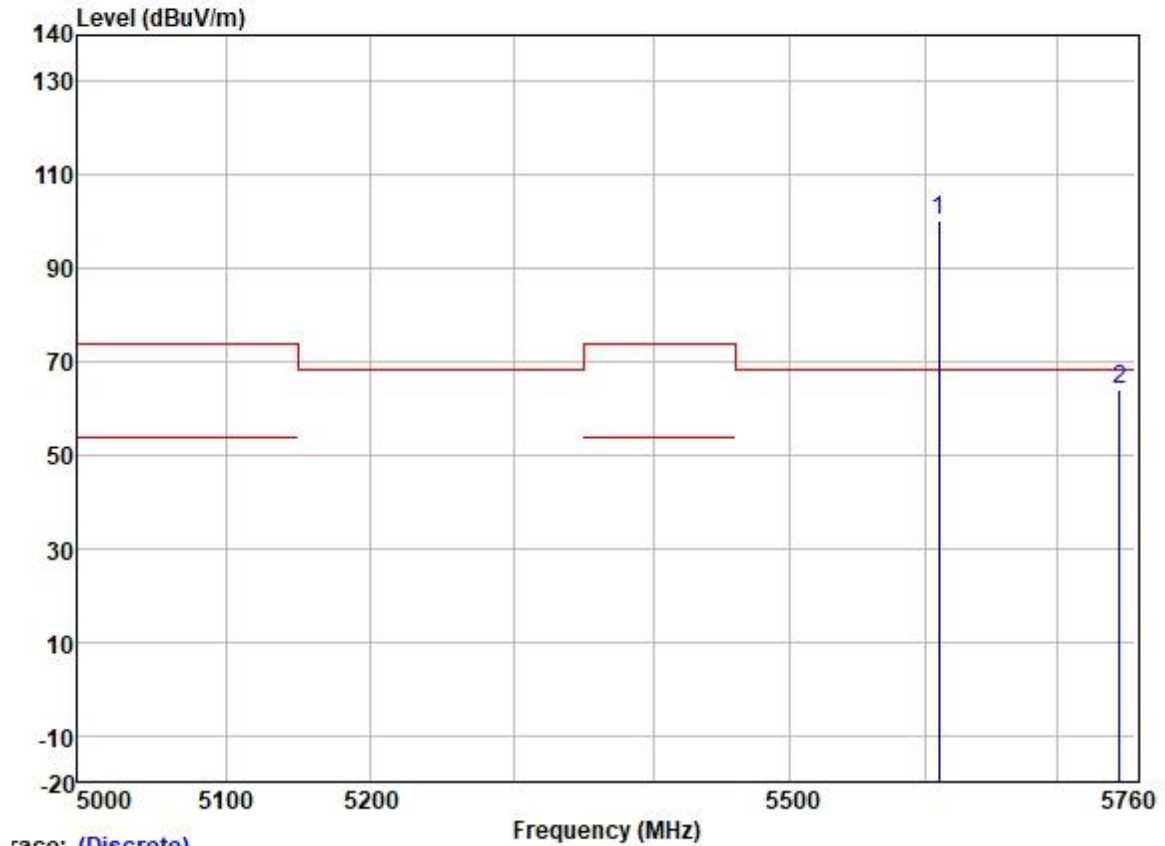
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5407.442	49.72	31.79	6.06	36.88	50.69	54.00	-3.31	HORIZONTAL	Average
2	5407.442	61.43	31.79	6.06	36.88	62.40	74.00	-11.60	HORIZONTAL	Peak
3	5463.763	60.83	31.80	6.31	36.88	62.06	68.20	-6.14	HORIZONTAL	Peak
4	5530.000	88.85	31.83	6.37	36.89	90.16	-----	-----	HORIZONTAL	Average
5 *	5530.000	100.81	31.83	6.37	36.89	102.12	68.20	33.92	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low



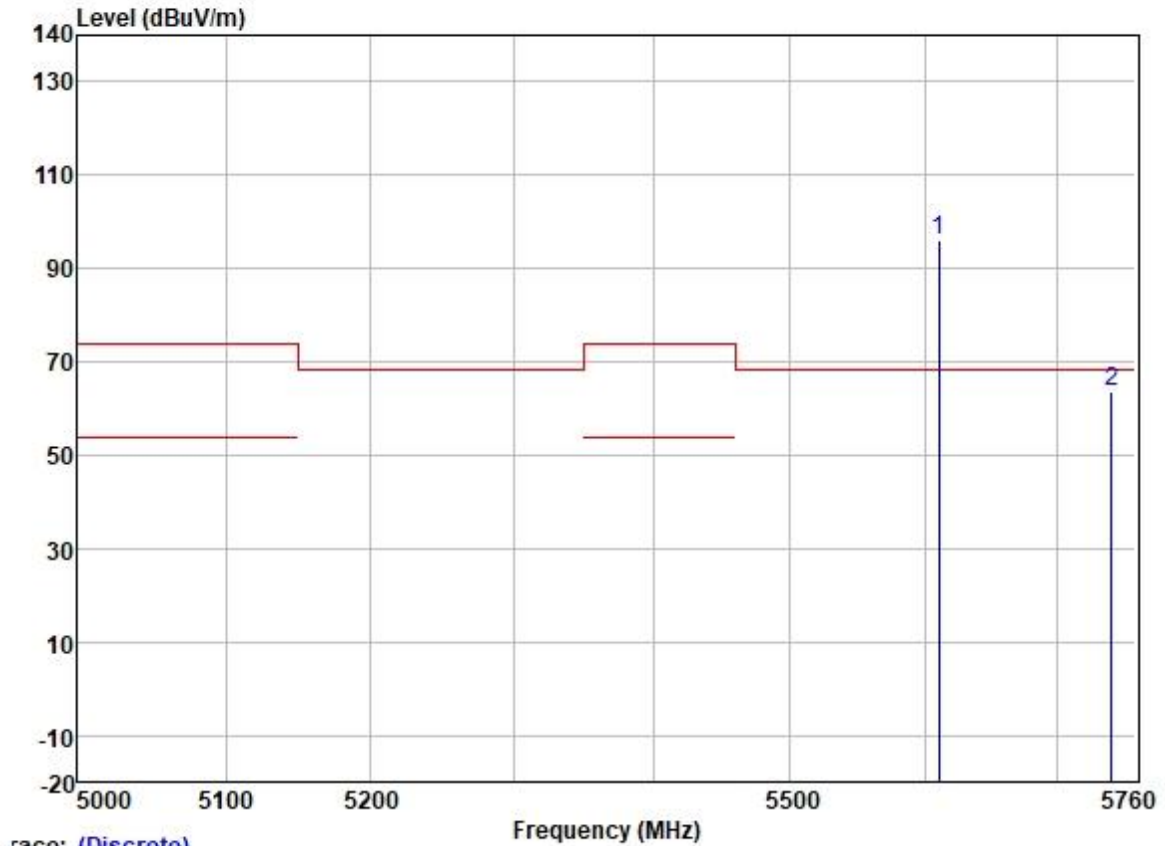
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5458.570	49.59	31.79	6.26	36.88	50.76	54.00	-3.24	VERTICAL	Average
2	5458.570	61.83	31.79	6.26	36.88	63.00	74.00	-11.00	VERTICAL	Peak
3	5463.942	61.53	31.80	6.31	36.88	62.76	68.20	-5.44	VERTICAL	Peak
4	5530.000	89.92	31.83	6.37	36.89	91.23	-----	-----	VERTICAL	Average
5 *	5530.000	101.29	31.83	6.37	36.89	102.60	68.20	34.40	VERTICAL	Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:122



	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 *	5610.000	98.98	31.91	6.32	36.89	100.32	68.20	32.12	HORIZONTAL Peak
2	5747.190	62.66	32.10	6.20	36.89	64.07	68.20	-4.13	HORIZONTAL Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:122



Trace: (Discrete)

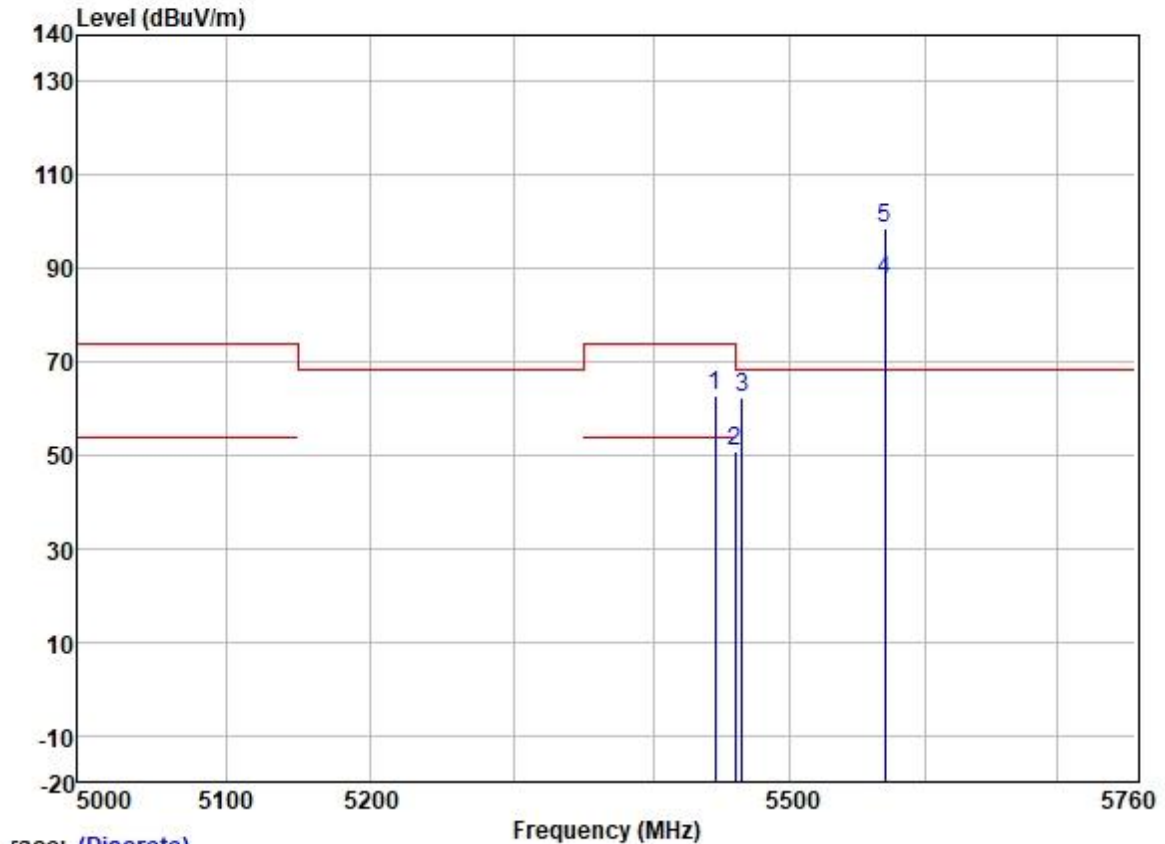
	Read	Antenna	Cable	Preamp	Limit	Over			
	Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5610.000	94.60	31.91	6.32	36.89	95.94	68.20	27.74	VERTICAL Peak
2	5741.303	62.03	32.10	6.20	36.89	63.44	68.20	-4.76	VERTICAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

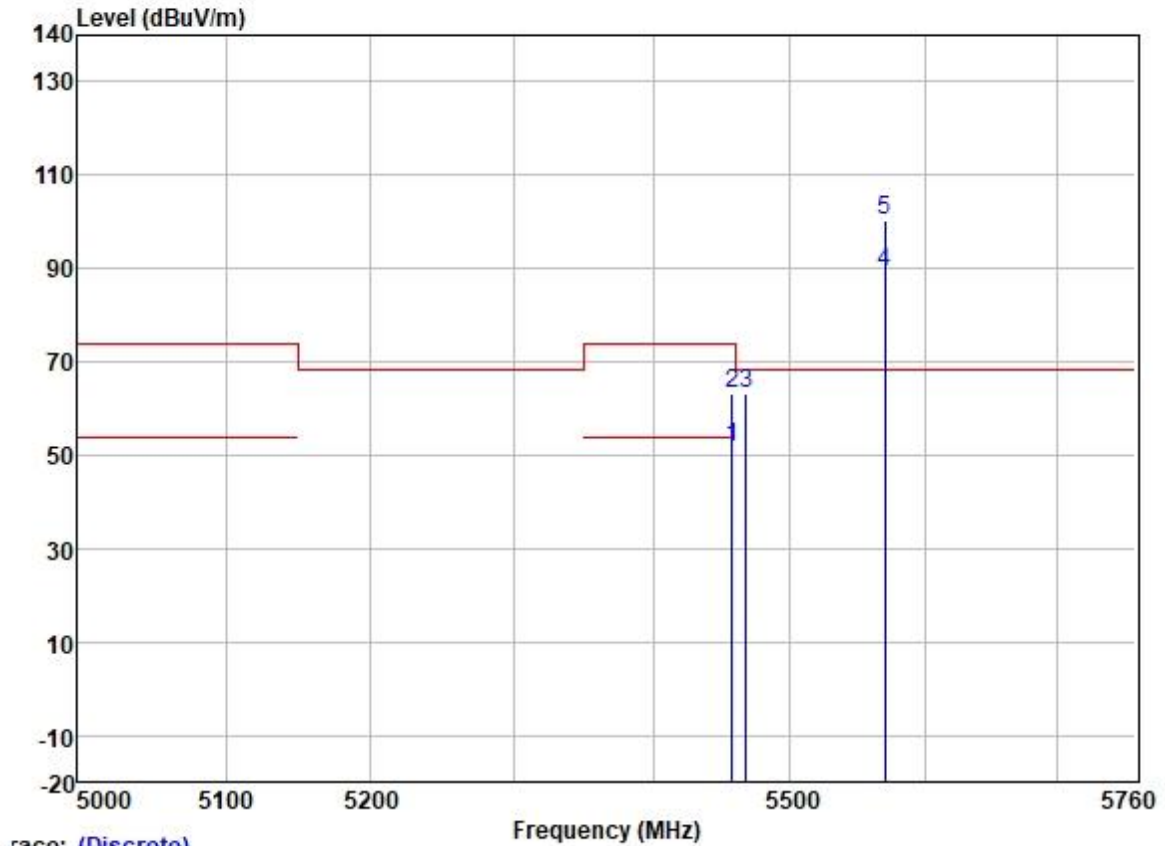
Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



Trace: (Discrete)

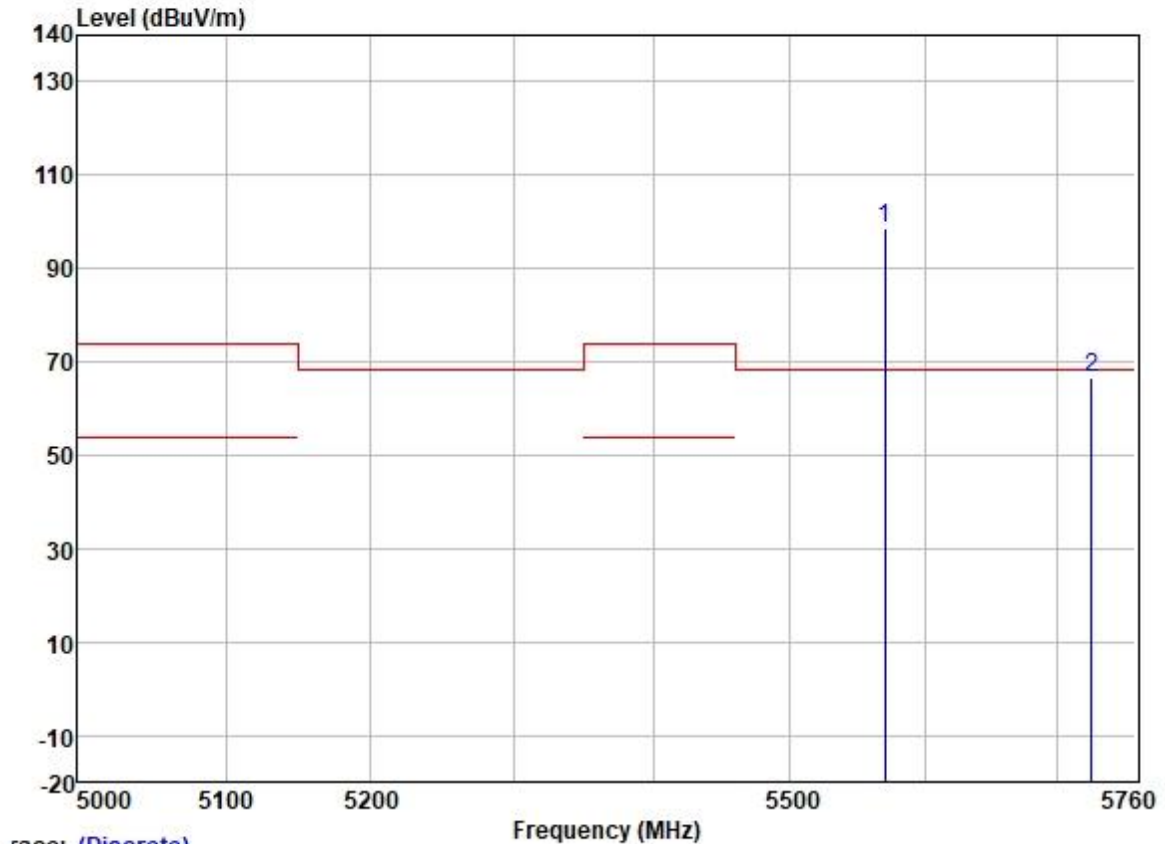
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5444.662	61.47	31.79	6.20	36.88	62.58	74.00	-11.42	HORIZONTAL Peak
2	5459.713	49.83	31.79	6.26	36.88	51.00	54.00	-3.00	HORIZONTAL Average
3	5464.657	61.01	31.80	6.31	36.88	62.24	68.20	-5.96	HORIZONTAL Peak
4	5570.000	86.06	31.86	6.33	36.89	87.36	-----	-----	HORIZONTAL Average
5 *	5570.000	97.36	31.86	6.33	36.89	98.66	68.20	30.46	HORIZONTAL Peak

Test Mode: 22; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



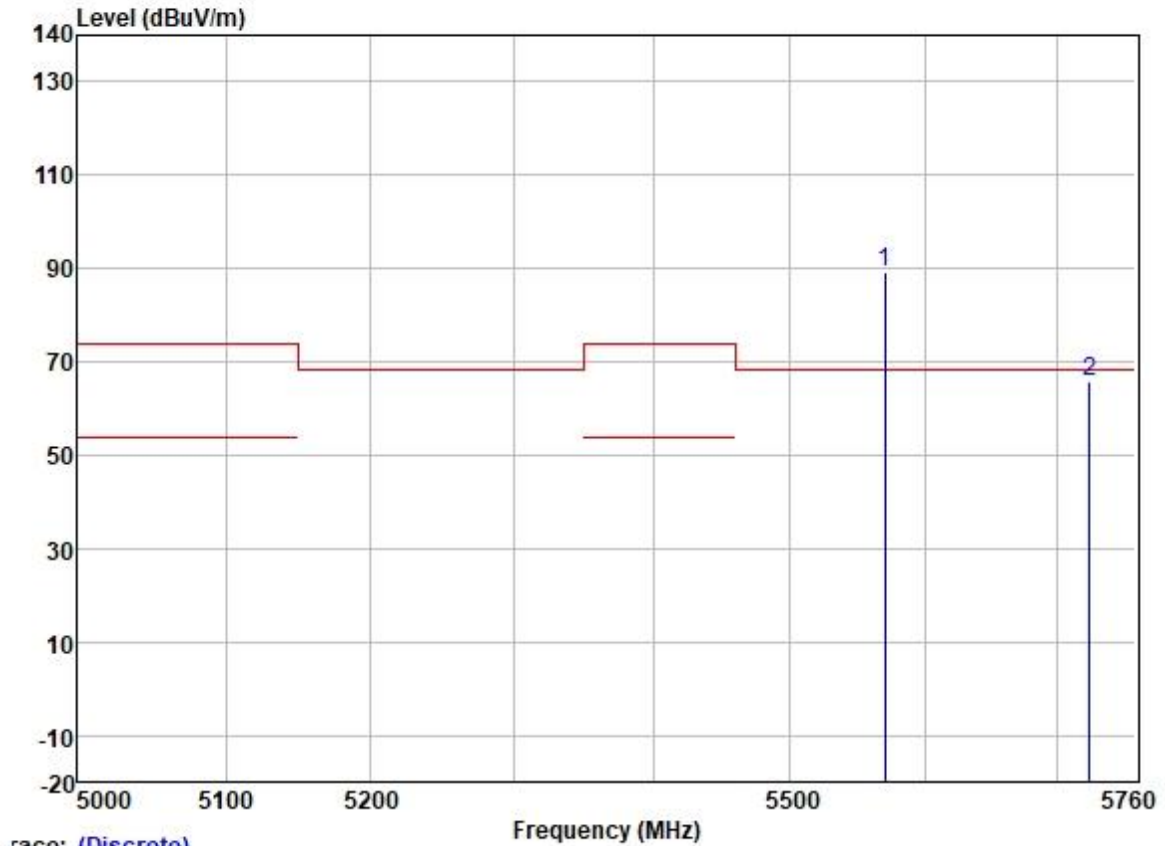
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5457.243	50.69	31.79	6.26	36.88	51.86	54.00	-2.14	VERTICAL	Average
2	5457.243	62.14	31.79	6.26	36.88	63.31	74.00	-10.69	VERTICAL	Peak
3	5467.131	62.16	31.80	6.31	36.88	63.39	68.20	-4.81	VERTICAL	Peak
4	5570.000	87.78	31.86	6.33	36.89	89.08	-----	-----	VERTICAL	Average
5 *	5570.000	98.83	31.86	6.33	36.89	100.13	68.20	31.93	VERTICAL	Peak

Test Mode: 22; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



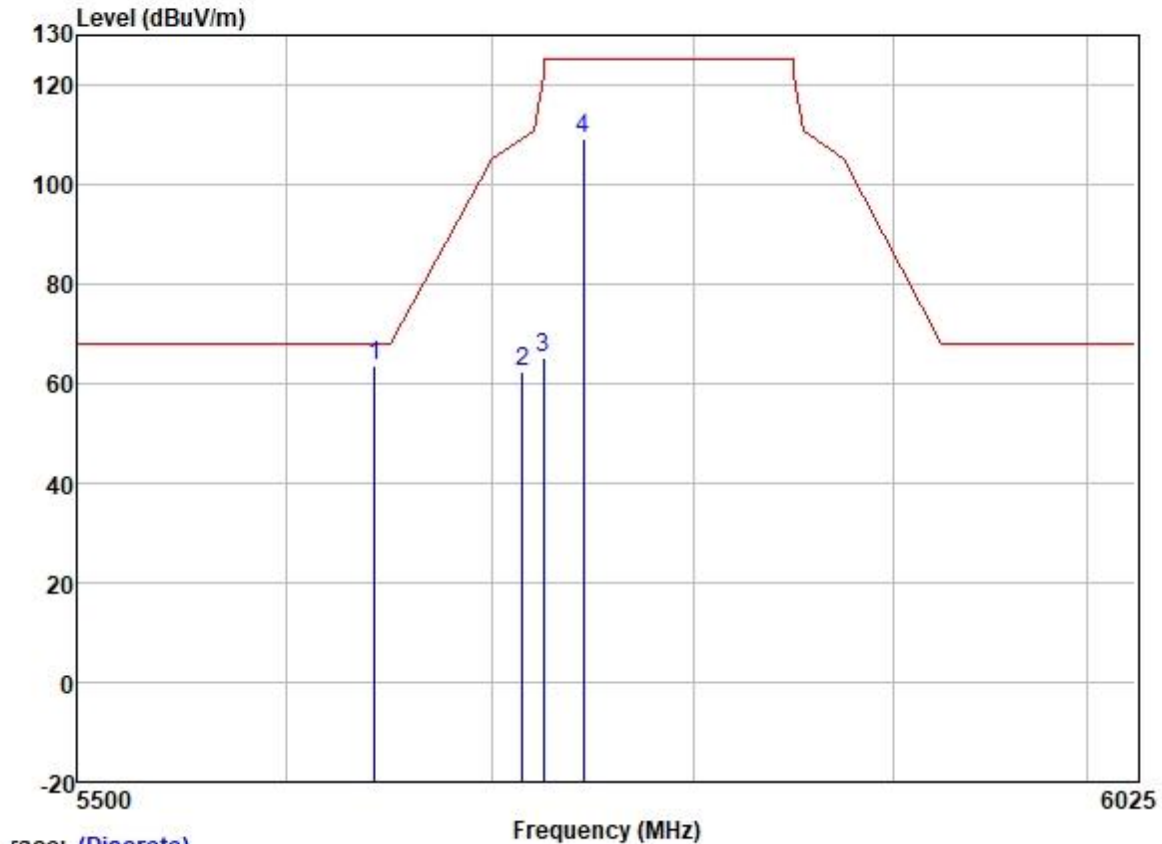
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5570.000	97.52	31.86	6.33	36.89	98.82	68.20	30.62	HORIZONTAL	Peak
2	5726.086	65.23	32.07	6.25	36.89	66.66	68.20	-1.54	HORIZONTAL	Peak

Test Mode: 22; Polarity: Vertical; 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 *	5570.178	88.00	31.86	6.33	36.89	89.30	68.20	21.10	VERTICAL	Peak
2	5724.338	64.12	32.07	6.25	36.89	65.55	68.20	-2.65	VERTICAL	Peak

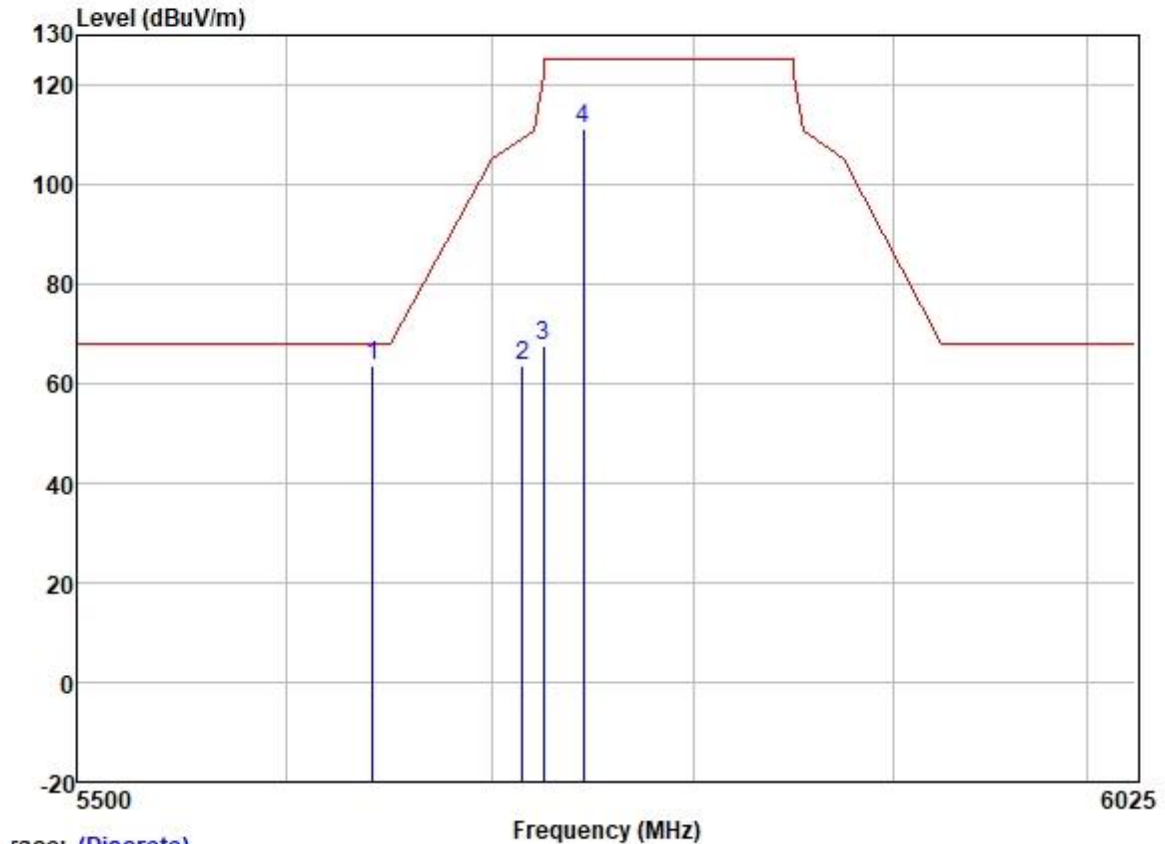
Test Mode: 24; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

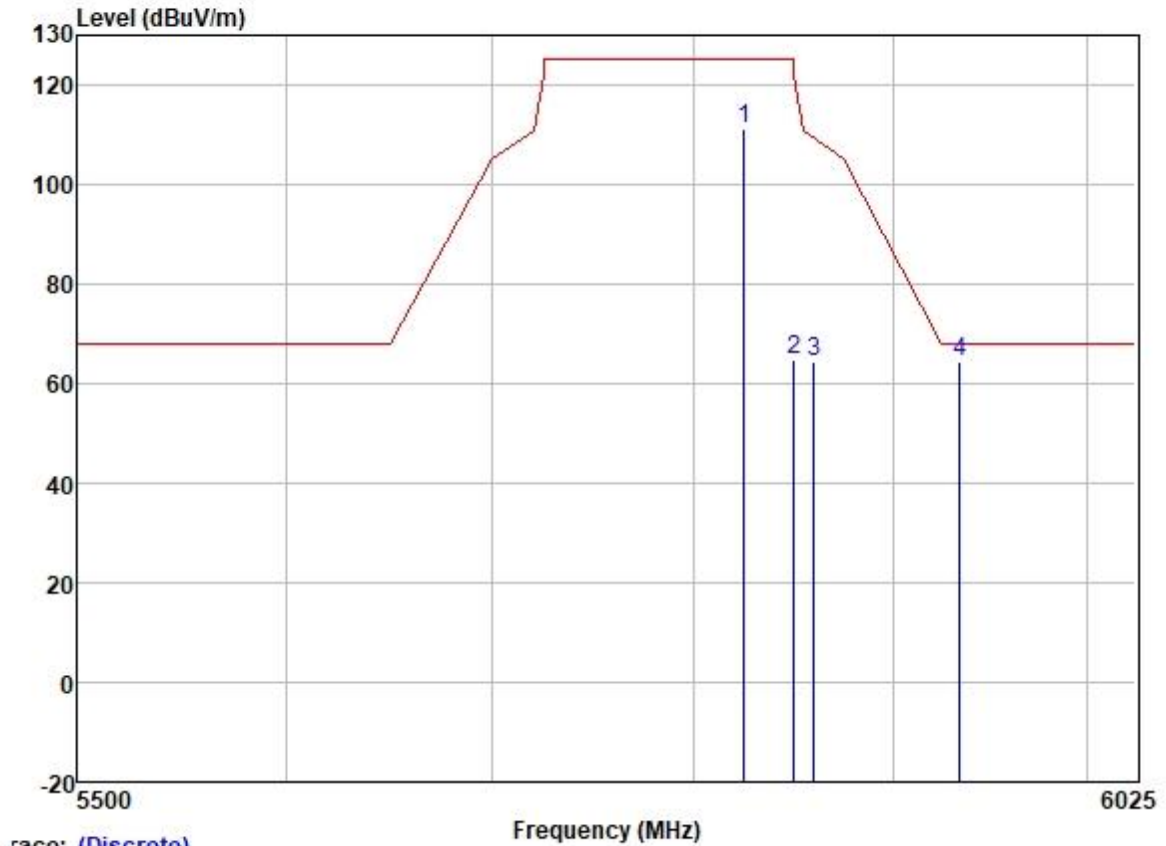
		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5642.490	62.10	31.95	6.35	36.89	63.51	68.20	-4.69	HORIZONTAL	Peak
2	5715.000	60.76	32.04	6.33	36.89	62.24	109.40	-47.16	HORIZONTAL	Peak
3	5725.000	63.64	32.07	6.25	36.89	65.07	122.20	-57.13	HORIZONTAL	Peak
4	5745.000	107.63	32.10	6.20	36.89	109.04	125.20	-16.16	HORIZONTAL	Peak

Test Mode: 24; 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	5641.798	62.12	31.95	6.35	36.89	63.53	68.20	-4.67	VERTICAL	Peak
2	5715.000	62.15	32.04	6.33	36.89	63.63	109.40	-45.77	VERTICAL	Peak
3	5725.000	66.21	32.07	6.25	36.89	67.64	122.20	-54.56	VERTICAL	Peak
4	5745.000	109.70	32.10	6.20	36.89	111.11	125.20	-14.09	VERTICAL	Peak

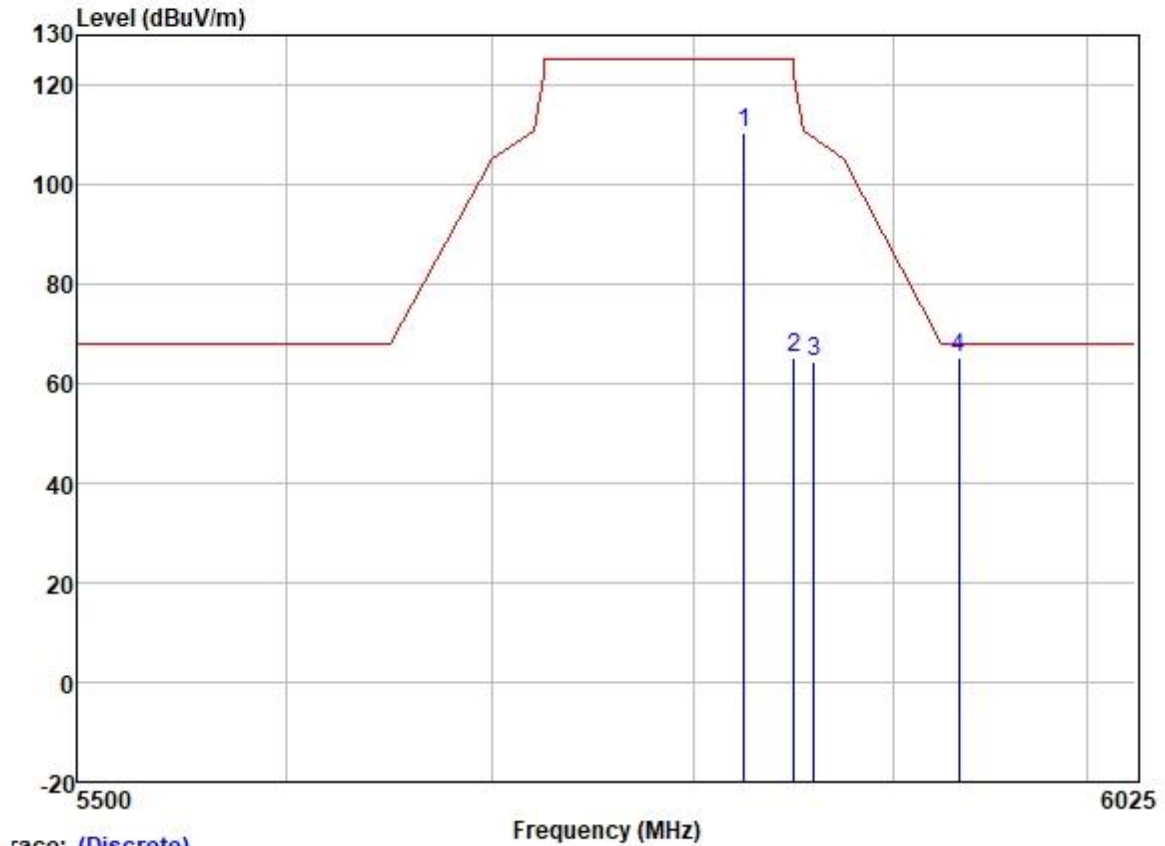
Test Mode: 24; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:165



Trace: (Discrete)

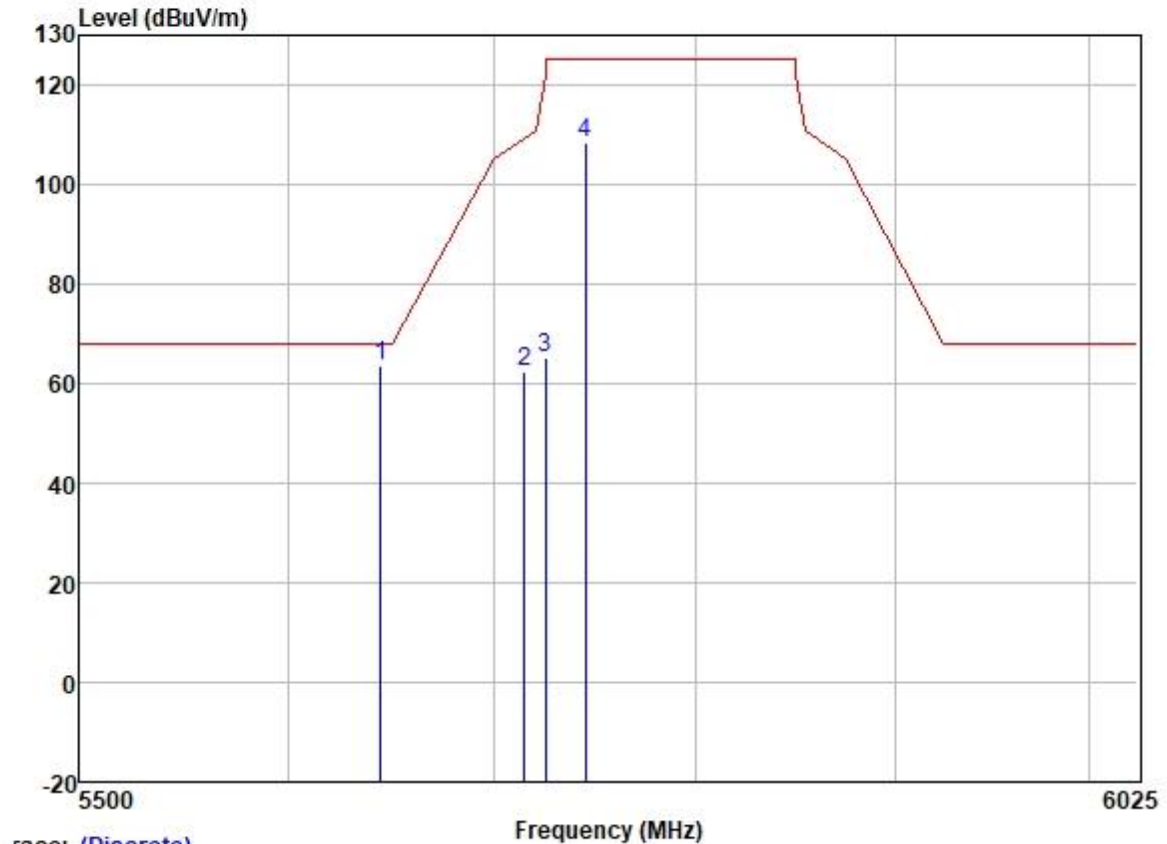
	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5825.000	109.74	32.23	6.04	36.90	111.11	125.20	-14.09
2	5850.000	63.50	32.25	6.00	36.90	64.85	122.20	-57.35
3	5860.000	63.24	32.27	5.96	36.90	64.57	109.40	-44.83
4	5934.173	63.07	32.34	6.00	36.90	64.51	68.20	-3.69

Test Mode: 24; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:165



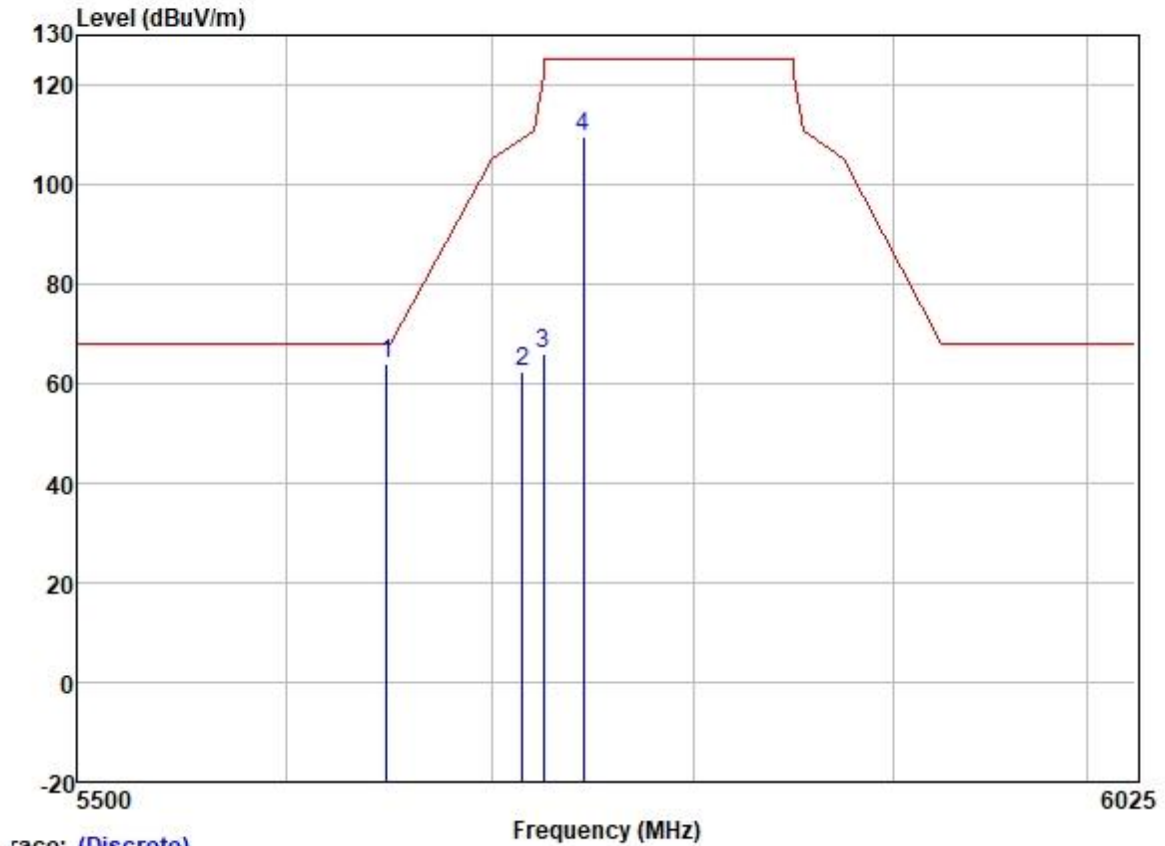
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	108.88	32.23	6.04	36.90	110.25	125.20	-14.95	VERTICAL	Peak
2	5850.000	63.92	32.25	6.00	36.90	65.27	122.20	-56.93	VERTICAL	Peak
3	5860.000	63.12	32.27	5.96	36.90	64.45	109.40	-44.95	VERTICAL	Peak
4	5933.703	63.74	32.34	6.00	36.90	65.18	68.20	-3.02	VERTICAL	Peak

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



	Read	Antenna	Cable	Preamp	Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5644.427	62.04	31.95	6.35	36.89	63.45	68.20	-4.75
2	5715.000	60.93	32.04	6.33	36.89	62.41	109.40	-46.99
3	5725.000	63.93	32.07	6.25	36.89	65.36	122.20	-56.84
4	5745.000	106.82	32.10	6.20	36.89	108.23	125.20	-16.97

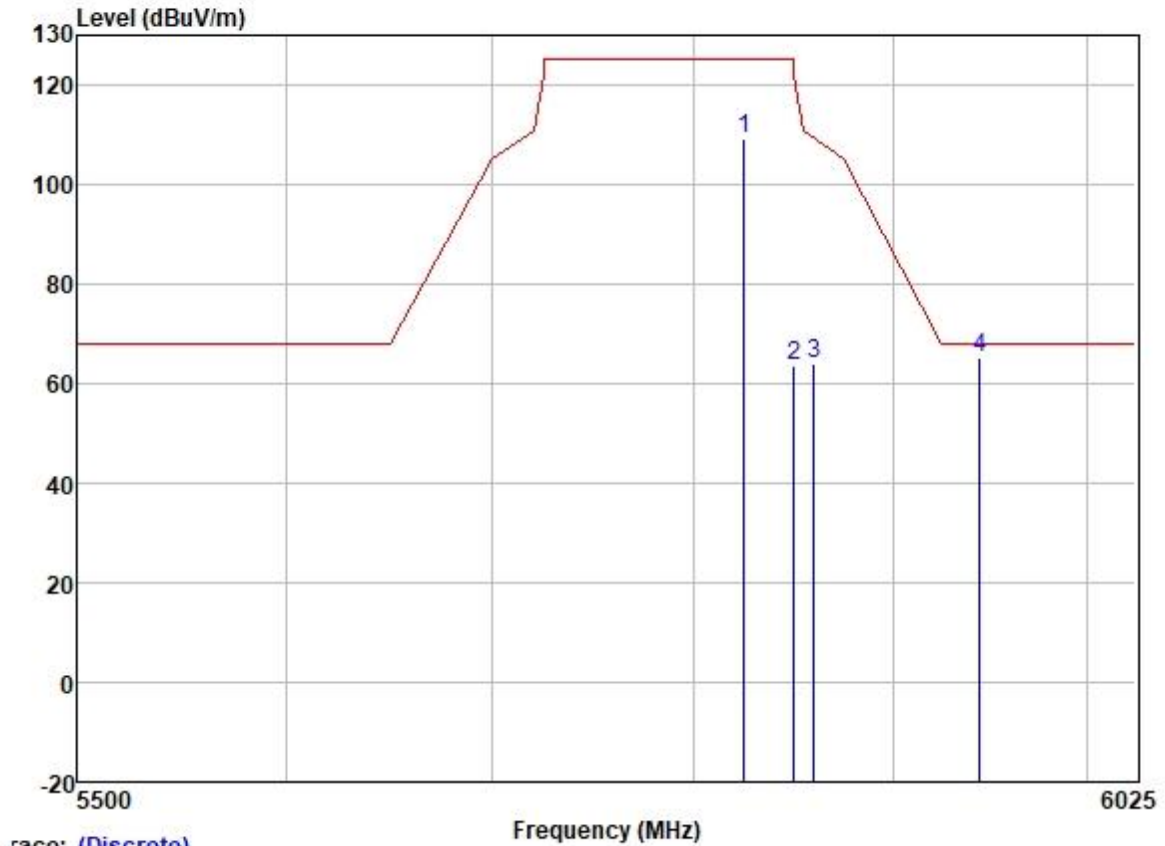
Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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	5648.581	62.41	31.95	6.35	36.89	63.82	68.20	-4.38	VERTICAL	Peak
2	5715.000	60.99	32.04	6.33	36.89	62.47	109.40	-46.93	VERTICAL	Peak
3	5725.000	64.44	32.07	6.25	36.89	65.87	122.20	-56.33	VERTICAL	Peak
4	5745.000	108.24	32.10	6.20	36.89	109.65	125.20	-15.55	VERTICAL	Peak

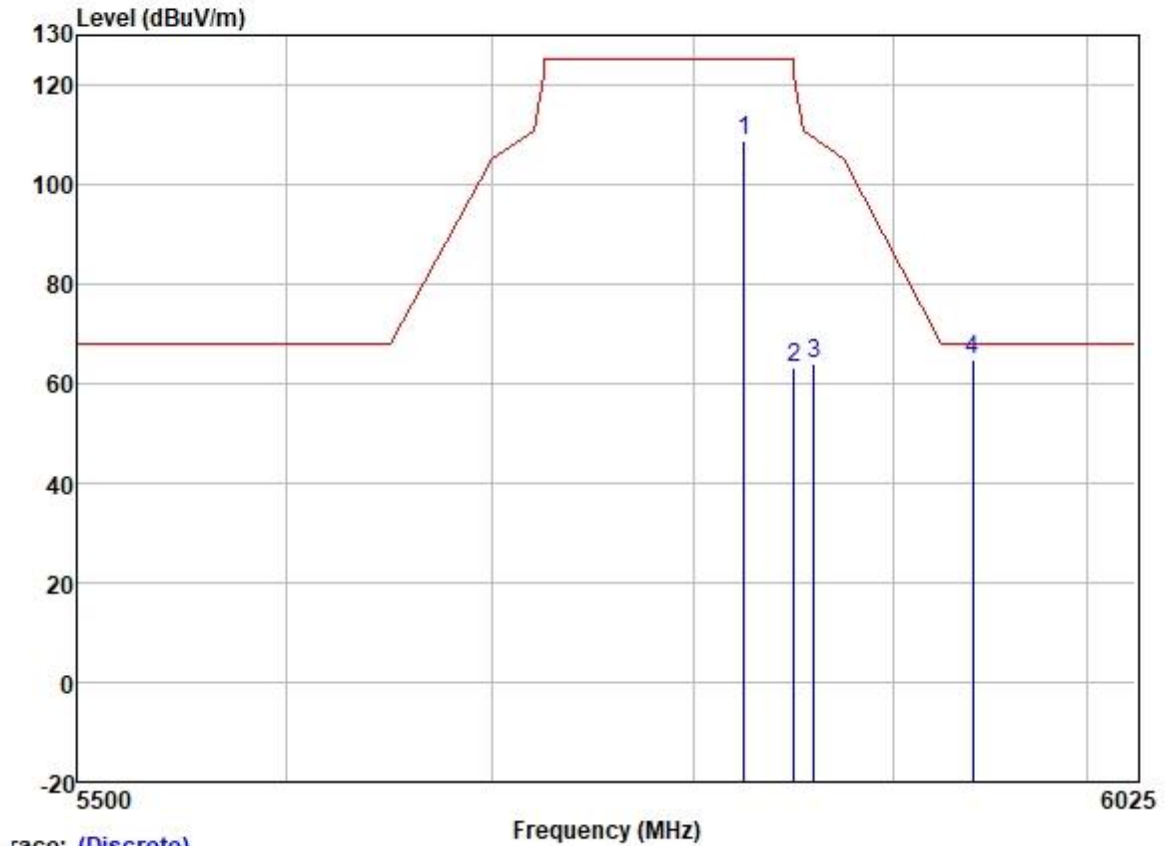
Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:165



Trace: (Discrete)

		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	108.00	32.23	6.04	36.90	109.37	125.20	-15.83	HORIZONTAL	Peak
2	5850.000	62.36	32.25	6.00	36.90	63.71	122.20	-58.49	HORIZONTAL	Peak
3	5860.000	62.53	32.27	5.96	36.90	63.86	109.40	-45.54	HORIZONTAL	Peak
4	5944.215	63.76	32.36	6.05	36.90	65.27	68.20	-2.93	HORIZONTAL	Peak

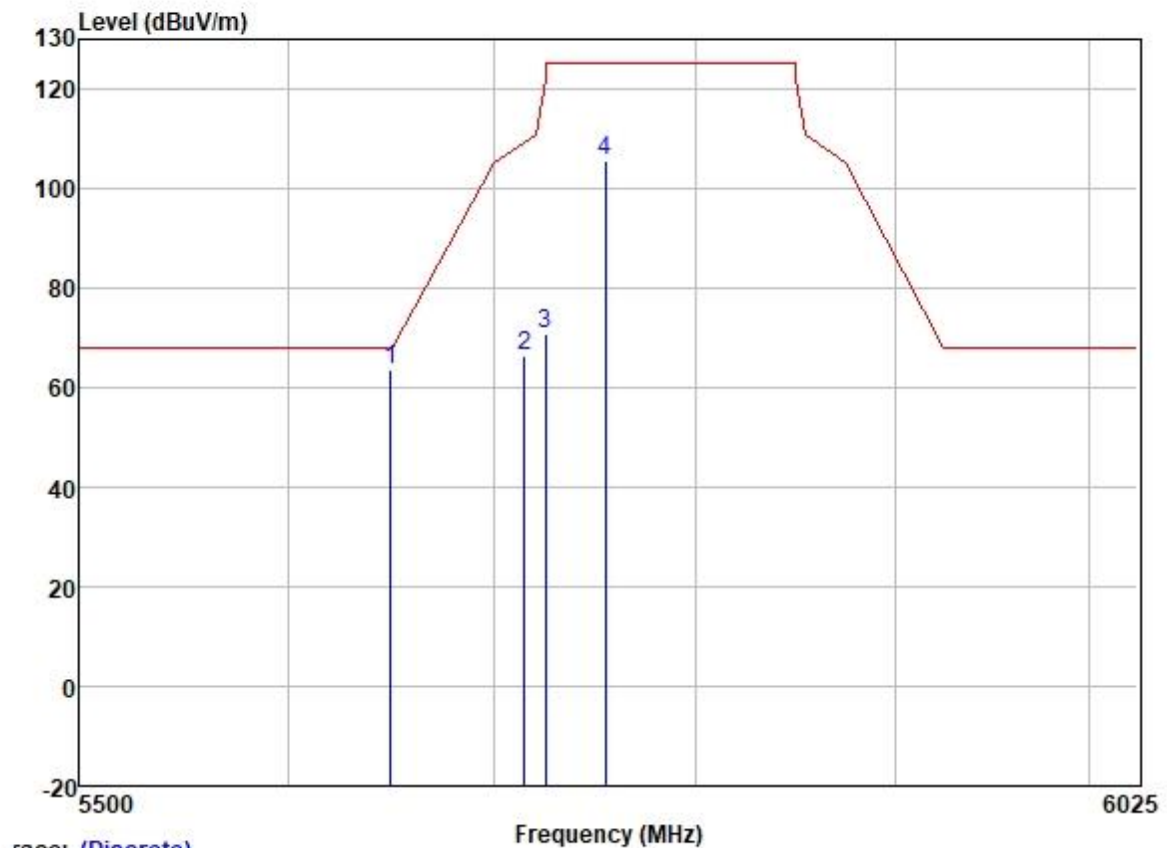
Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:165



Trace: (Discrete)

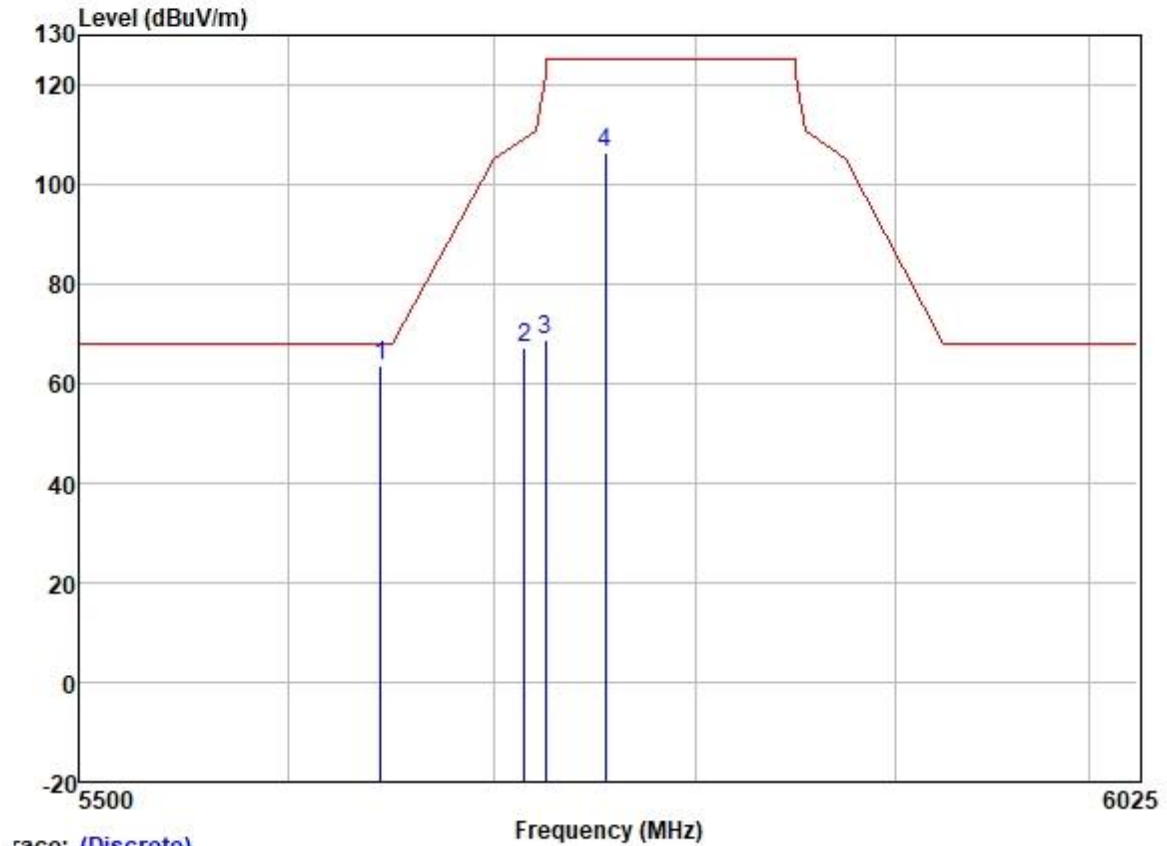
	Freq	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5825.000	107.36	32.23	6.04	36.90	108.73	125.20	-16.47	VERTICAL Peak
2	5850.000	61.74	32.25	6.00	36.90	63.09	122.20	-59.11	VERTICAL Peak
3	5860.000	62.68	32.27	5.96	36.90	64.01	109.40	-45.39	VERTICAL Peak
4	5940.761	63.53	32.34	6.00	36.90	64.97	68.20	-3.23	VERTICAL Peak

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



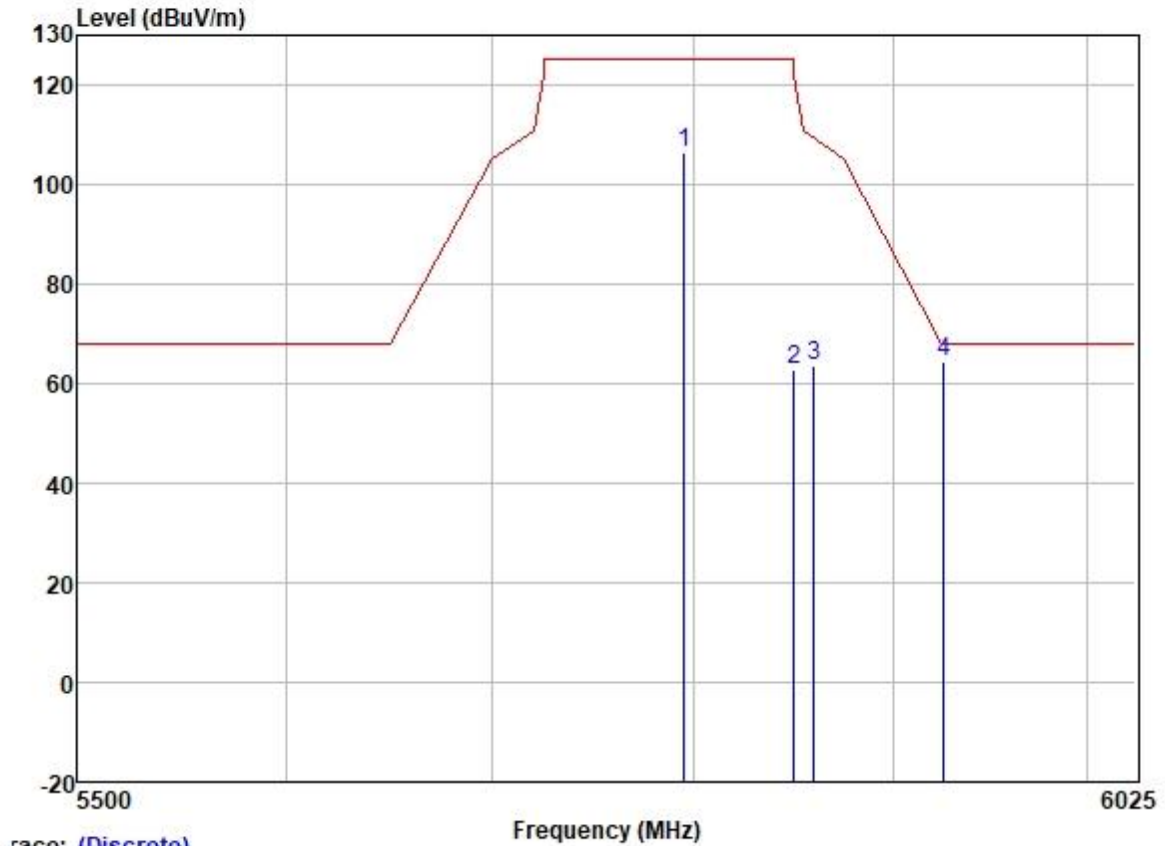
	Read	Antenna	Cable	Preamp	Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5649.488	62.28	31.95	6.35	36.89	63.69	68.20	-4.51
2	5715.000	64.77	32.04	6.33	36.89	66.25	109.40	-43.15
3	5725.000	69.20	32.07	6.25	36.89	70.63	122.20	-51.57
4	5755.000	104.17	32.10	6.20	36.89	105.58	125.20	-19.62

Test Mode: 24; 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	5644.436	62.32	31.95	6.35	36.89	63.73	68.20	-4.47	VERTICAL	Peak
2	5715.000	65.58	32.04	6.33	36.89	67.06	109.40	-42.34	VERTICAL	Peak
3	5725.000	67.19	32.07	6.25	36.89	68.62	122.20	-53.58	VERTICAL	Peak
4	5755.000	104.88	32.10	6.20	36.89	106.29	125.20	-18.91	VERTICAL	Peak

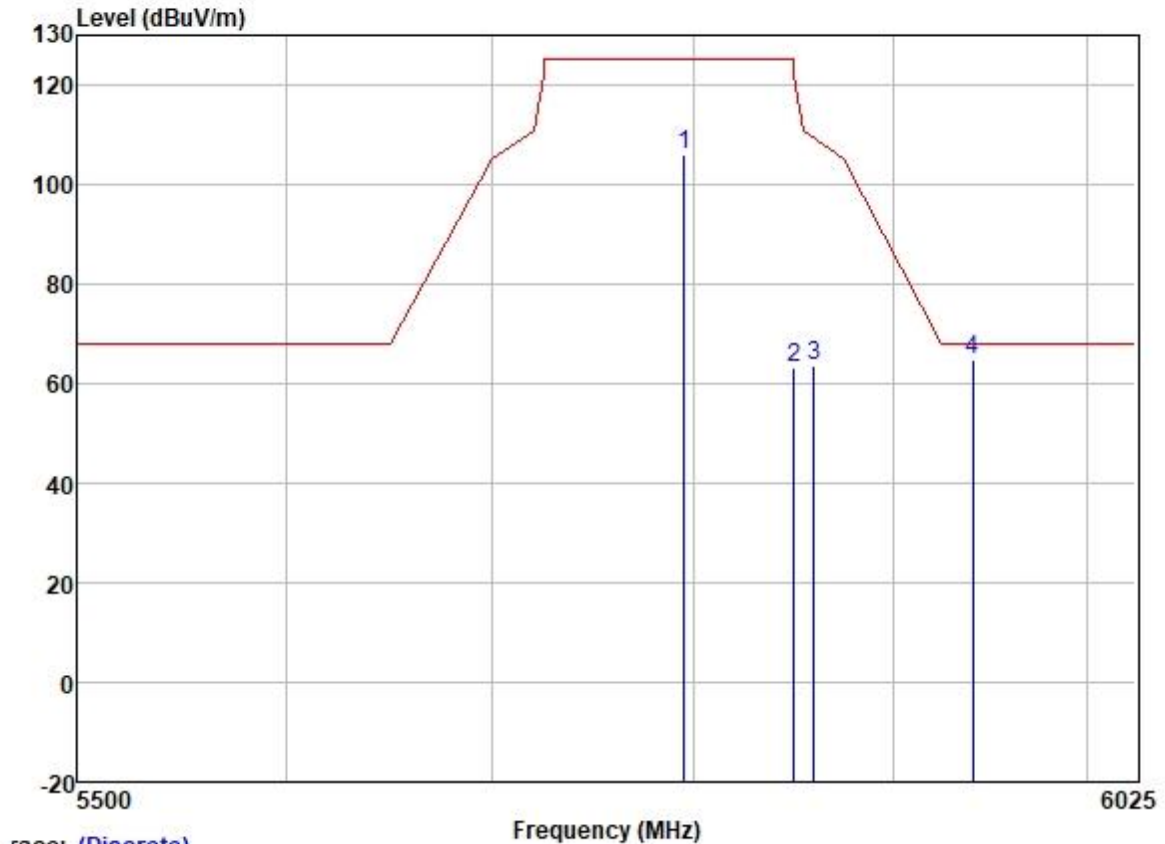
Test Mode: 24; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:159



Trace: (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	5795.000	105.06	32.19	6.10	36.89	106.46	125.20	-18.74	HORIZONTAL Peak
2	5850.000	61.31	32.25	6.00	36.90	62.66	122.20	-59.54	HORIZONTAL Peak
3	5860.000	62.27	32.27	5.96	36.90	63.60	109.40	-45.80	HORIZONTAL Peak
4	5926.313	63.09	32.34	6.00	36.90	64.53	68.20	-3.67	HORIZONTAL Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:159



Trace: (Discrete)

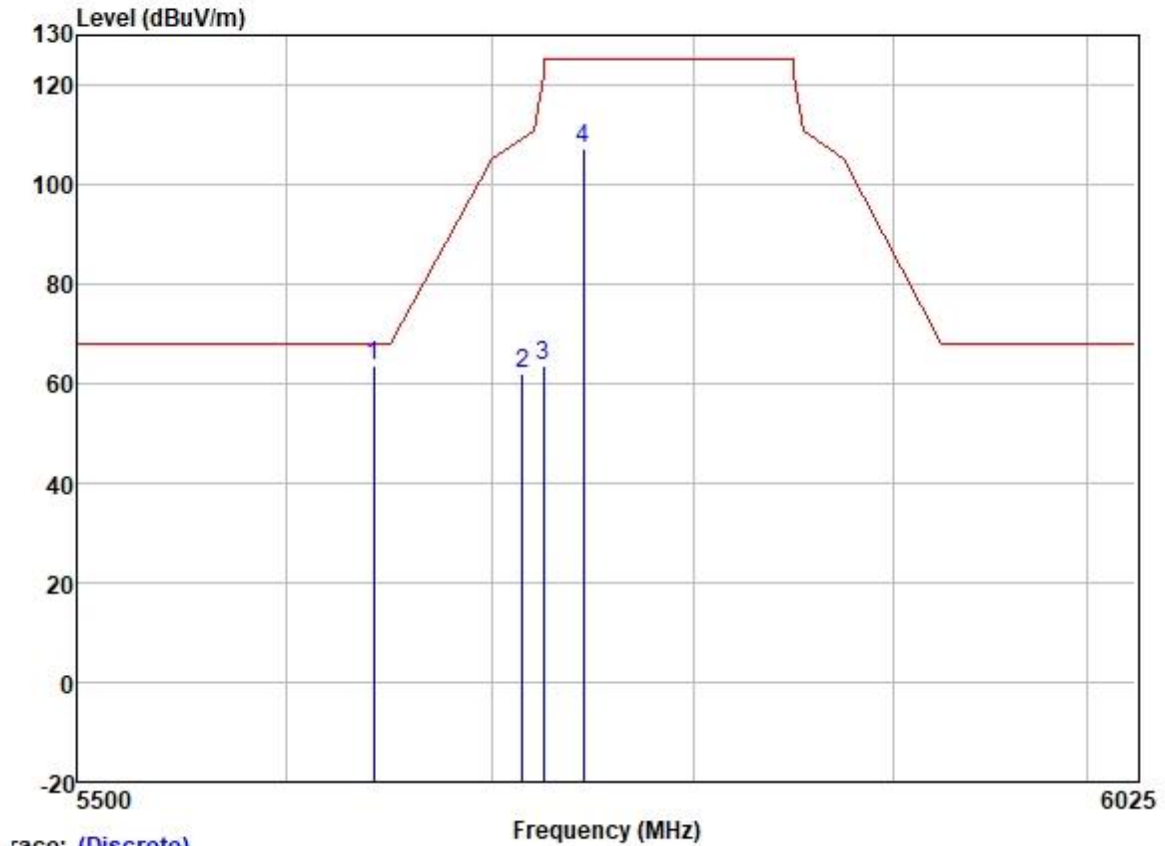
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5795.000	104.56	32.19	6.10	36.89	105.96	125.20	-19.24	VERTICAL Peak
2	5850.000	61.76	32.25	6.00	36.90	63.11	122.20	-59.09	VERTICAL Peak
3	5860.000	62.43	32.27	5.96	36.90	63.76	109.40	-45.64	VERTICAL Peak
4	5940.933	63.50	32.34	6.00	36.90	64.94	68.20	-3.26	VERTICAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

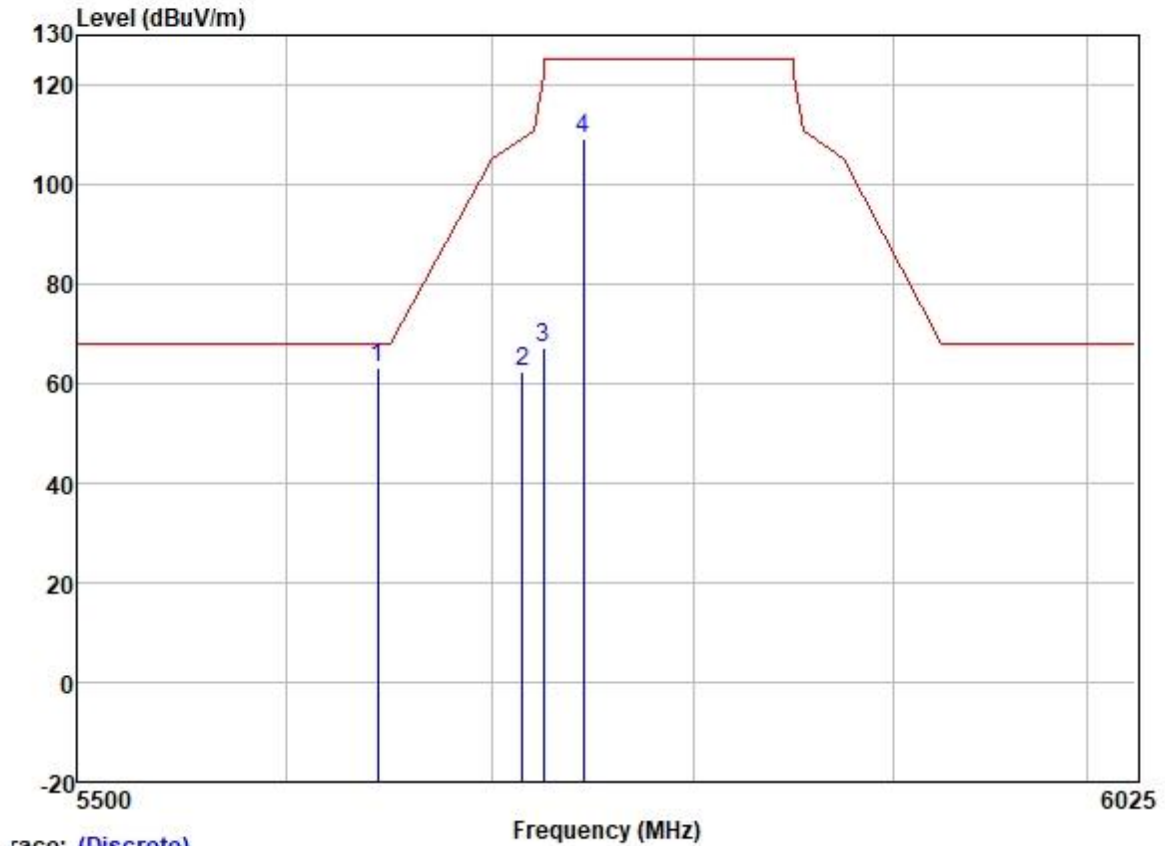
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



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	5641.937	62.00	31.95	6.35	36.89	63.41	68.20	-4.79	HORIZONTAL	Peak
2	5715.000	60.57	32.04	6.33	36.89	62.05	109.40	-47.35	HORIZONTAL	Peak
3	5725.000	62.16	32.07	6.25	36.89	63.59	122.20	-58.61	HORIZONTAL	Peak
4	5745.000	105.76	32.10	6.20	36.89	107.17	125.20	-18.03	HORIZONTAL	Peak

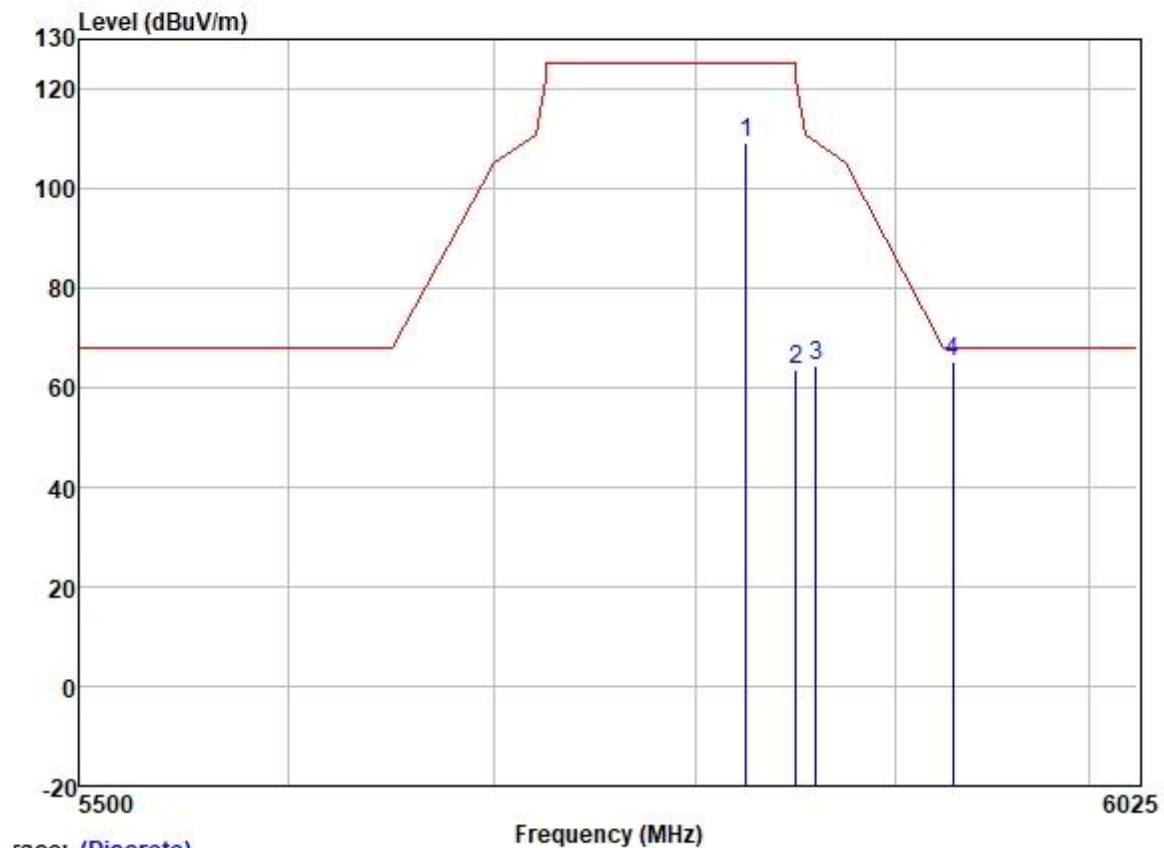
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



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	5643.874	61.63	31.95	6.35	36.89	63.04	68.20	-5.16	VERTICAL	Peak
2	5715.000	61.00	32.04	6.33	36.89	62.48	109.40	-46.92	VERTICAL	Peak
3	5725.000	65.88	32.07	6.25	36.89	67.31	122.20	-54.89	VERTICAL	Peak
4	5745.000	107.60	32.10	6.20	36.89	109.01	125.20	-16.19	VERTICAL	Peak

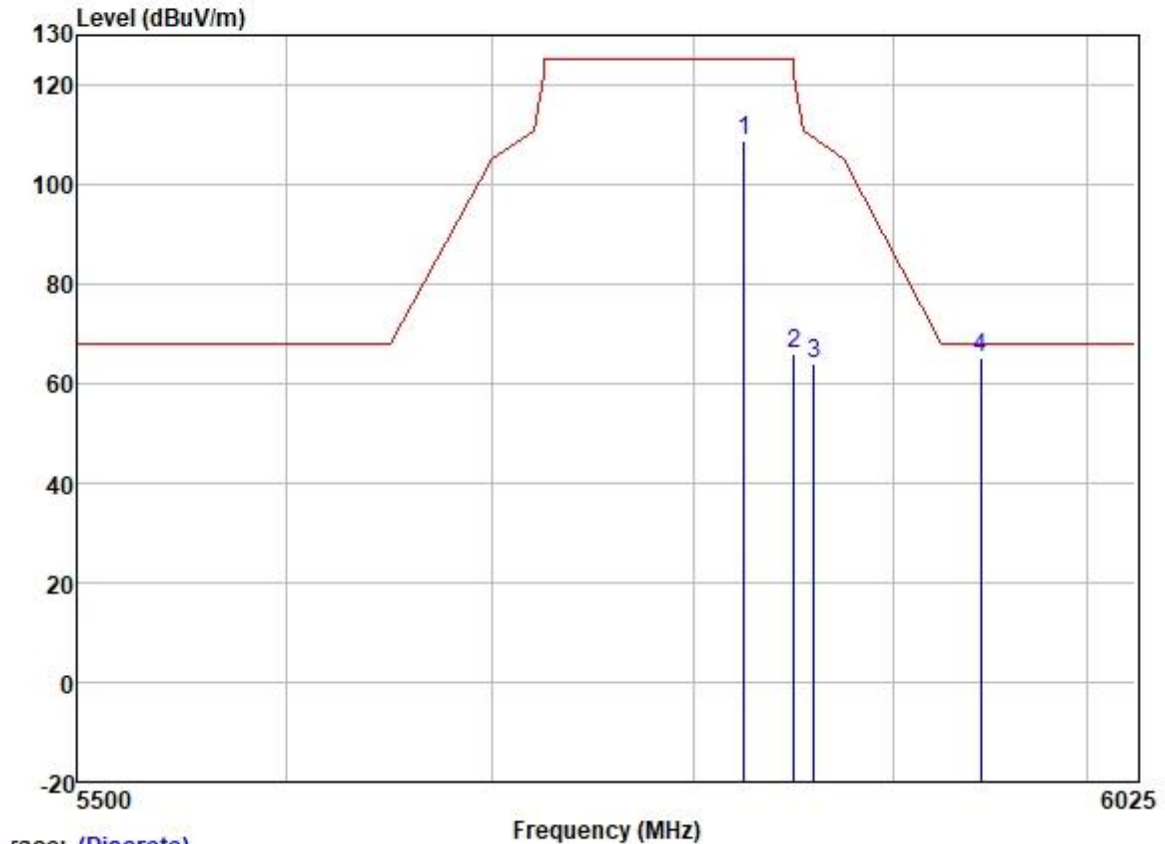
Test Mode: 24; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 20MHz; Channel: 165



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	dBuV/m	dB	
1	5825.000	107.66	32.23	6.04	36.90	109.03	125.20	-16.17	HORIZONTAL Peak
2	5850.000	62.15	32.25	6.00	36.90	63.50	122.20	-58.70	HORIZONTAL Peak
3	5860.000	63.12	32.27	5.96	36.90	64.45	109.40	-44.95	HORIZONTAL Peak
4	5929.628	63.58	32.34	6.00	36.90	65.02	68.20	-3.18	HORIZONTAL Peak

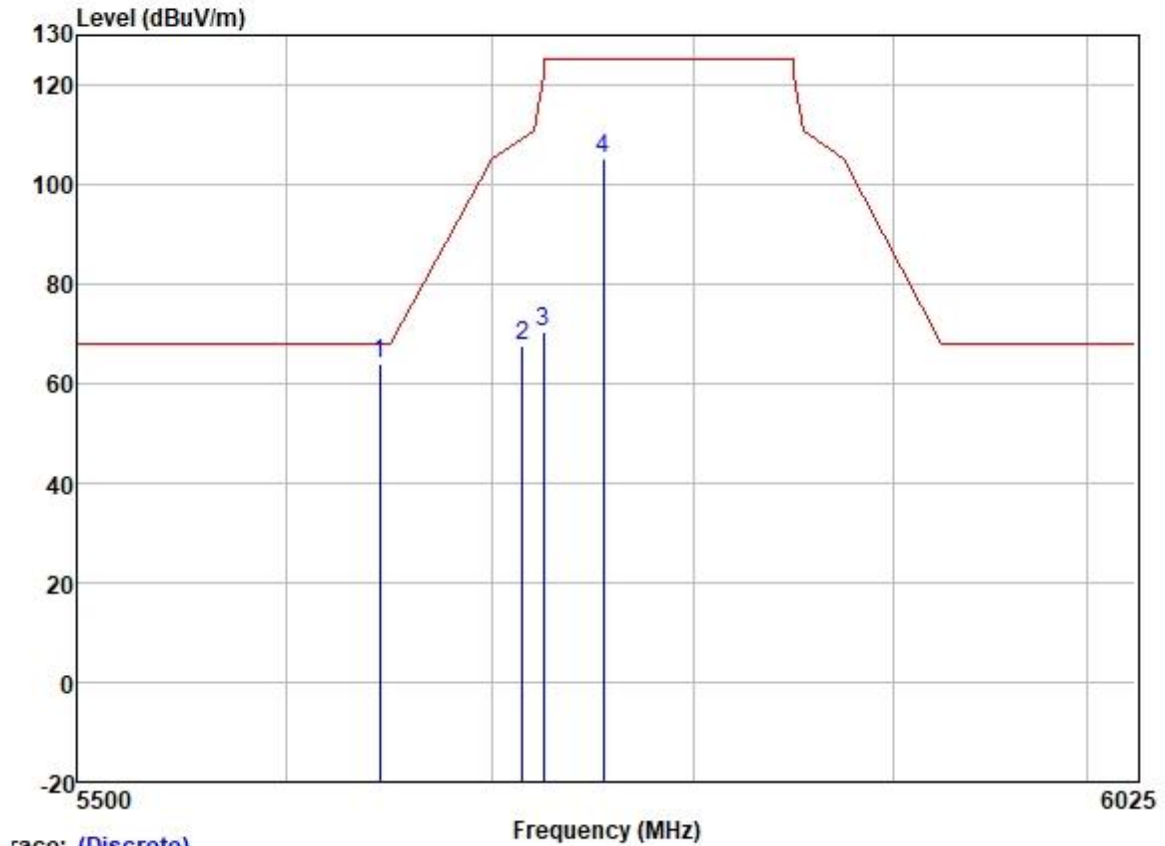
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:165



Trace: (Discrete)

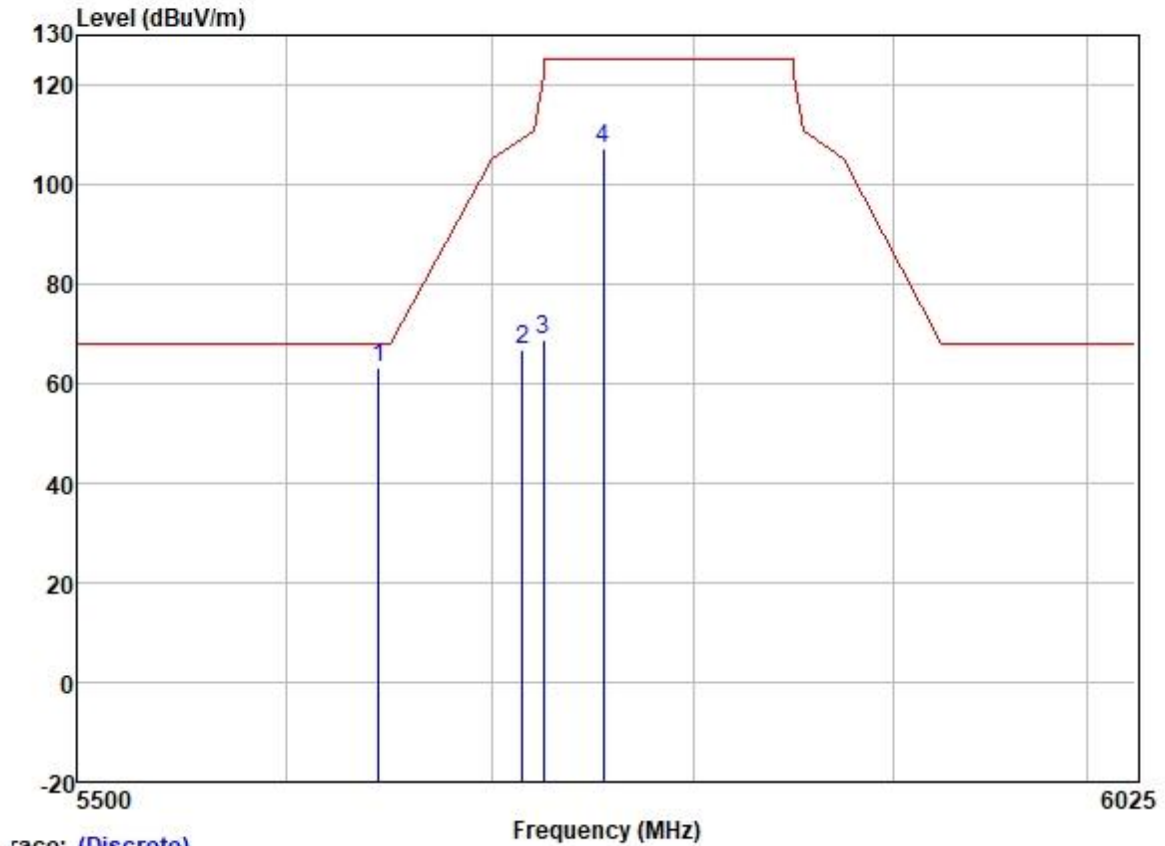
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	107.41	32.23	6.04	36.90	108.78	125.20	-16.42	VERTICAL	Peak
2	5850.000	64.55	32.25	6.00	36.90	65.90	122.20	-56.30	VERTICAL	Peak
3	5860.000	62.63	32.27	5.96	36.90	63.96	109.40	-45.44	VERTICAL	Peak
4	5944.843	63.54	32.36	6.05	36.90	65.05	68.20	-3.15	VERTICAL	Peak

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



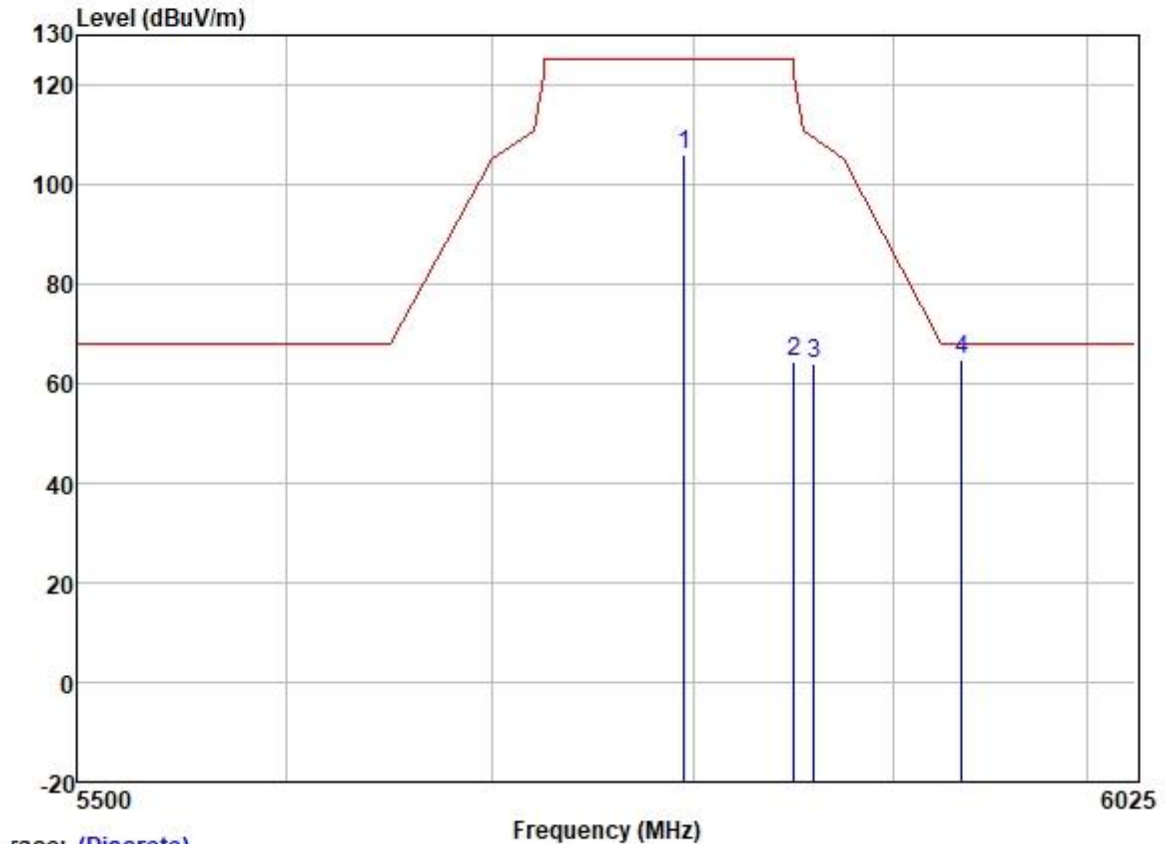
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5645.201	62.49	31.95	6.35	36.89	63.90	68.20	-4.30	HORIZONTAL	Peak
2	5715.000	65.97	32.04	6.33	36.89	67.45	109.40	-41.95	HORIZONTAL	Peak
3	5725.000	68.99	32.07	6.25	36.89	70.42	122.20	-51.78	HORIZONTAL	Peak
4	5755.000	103.61	32.10	6.20	36.89	105.02	125.20	-20.18	HORIZONTAL	Peak

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



		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.283	61.93	31.95	6.35	36.89	63.34	68.20	-4.86	VERTICAL	Peak
2	5715.000	65.13	32.04	6.33	36.89	66.61	109.40	-42.79	VERTICAL	Peak
3	5725.000	67.36	32.07	6.25	36.89	68.79	122.20	-53.41	VERTICAL	Peak
4	5755.000	105.68	32.10	6.20	36.89	107.09	125.20	-18.11	VERTICAL	Peak

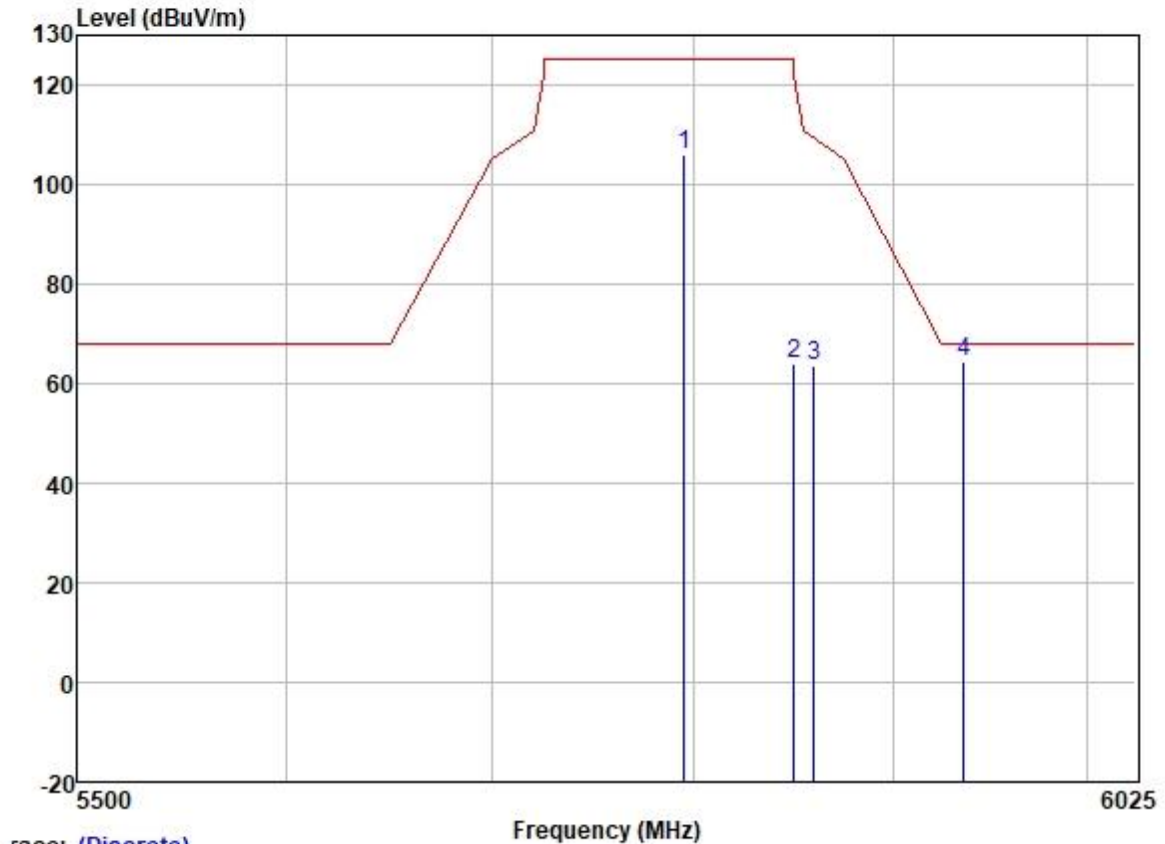
Test Mode: 24; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 40MHz; Channel: 159



Trace: (Discrete)

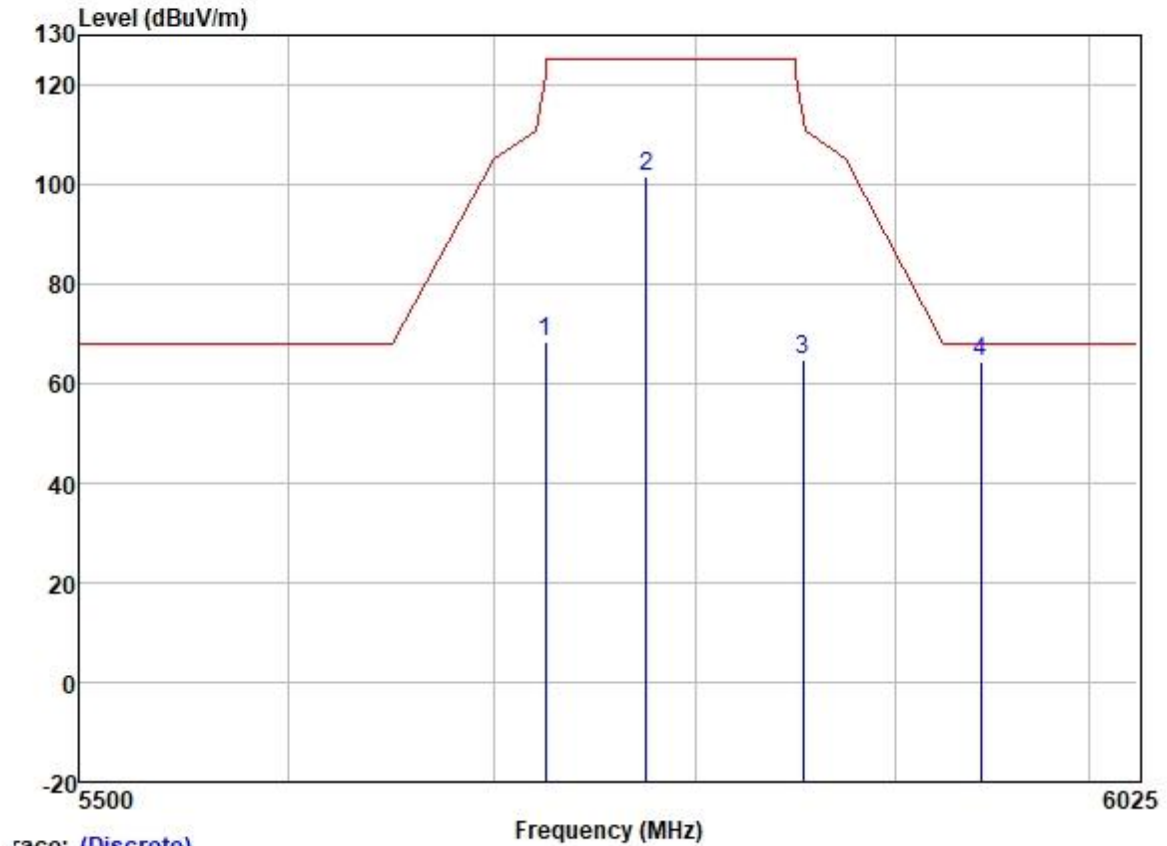
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	104.49	32.19	6.10	36.89	105.89	125.20	-19.31	HORIZONTAL	Peak
2	5850.000	62.92	32.25	6.00	36.90	64.27	122.20	-57.93	HORIZONTAL	Peak
3	5860.000	62.58	32.27	5.96	36.90	63.91	109.40	-45.49	HORIZONTAL	Peak
4	5935.446	63.18	32.34	6.00	36.90	64.62	68.20	-3.58	HORIZONTAL	Peak

Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:159



	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5795.000	104.48	32.19	6.10	36.89	105.88	125.20	-19.32	VERTICAL Peak
2	5850.000	62.57	32.25	6.00	36.90	63.92	122.20	-58.28	VERTICAL Peak
3	5860.000	62.18	32.27	5.96	36.90	63.51	109.40	-45.89	VERTICAL Peak
4	5936.461	63.07	32.34	6.00	36.90	64.51	68.20	-3.69	VERTICAL Peak

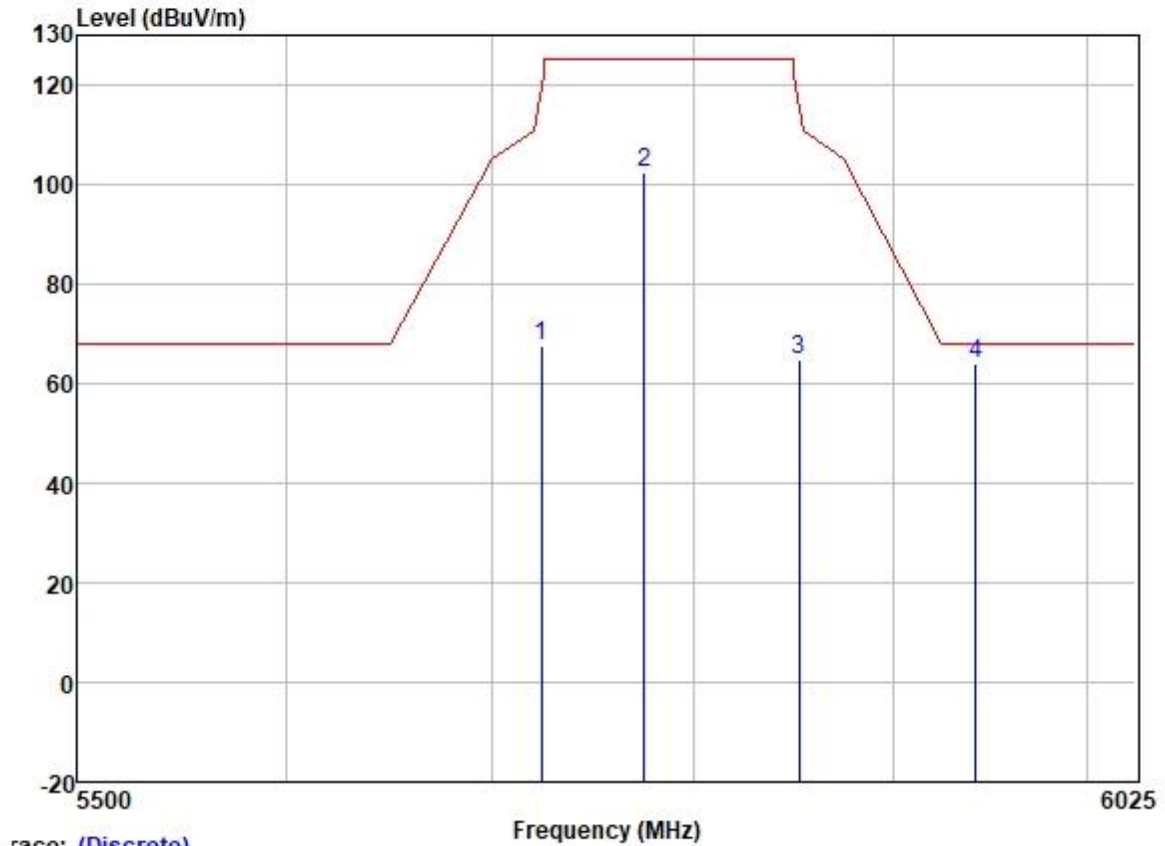
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5724.993	66.81	32.07	6.25	36.89	68.24	122.18	-53.94
2	5775.000	100.35	32.16	6.10	36.89	101.72	125.20	-23.48
3	5853.657	63.63	32.25	6.00	36.90	64.98	113.86	-48.88
4	5944.061	62.78	32.36	6.05	36.90	64.29	68.20	-3.91
								HORIZONTAL Peak
								HORIZONTAL Peak
								HORIZONTAL Peak
								HORIZONTAL Peak

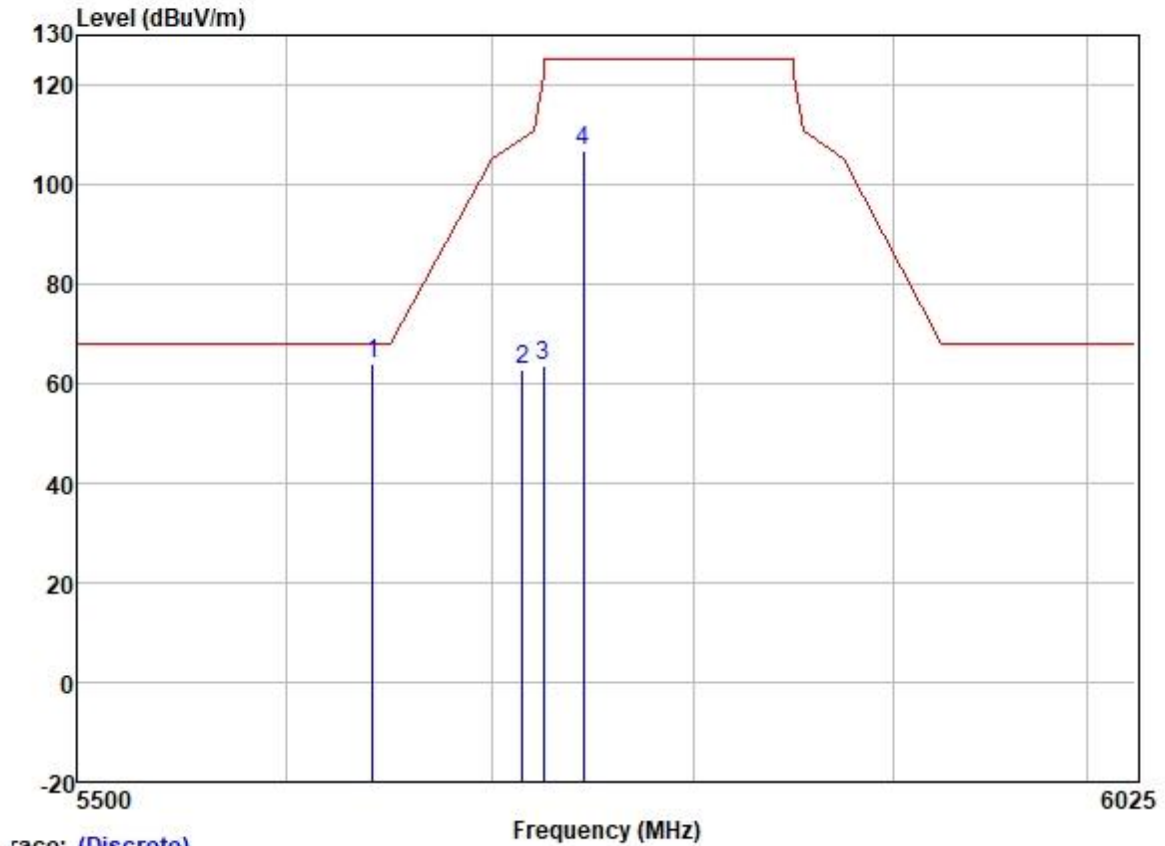
Test Mode: 24; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

	Freq	ReadAntenna	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	5724.390	66.25	32.07	6.25	36.89	67.68	120.81	-53.13	VERTICAL Peak
2	5775.000	100.90	32.16	6.10	36.89	102.27	125.20	-22.93	VERTICAL Peak
3	5852.424	63.59	32.25	6.00	36.90	64.94	116.67	-51.73	VERTICAL Peak
4	5942.183	62.59	32.36	6.05	36.90	64.10	68.20	-4.10	VERTICAL Peak

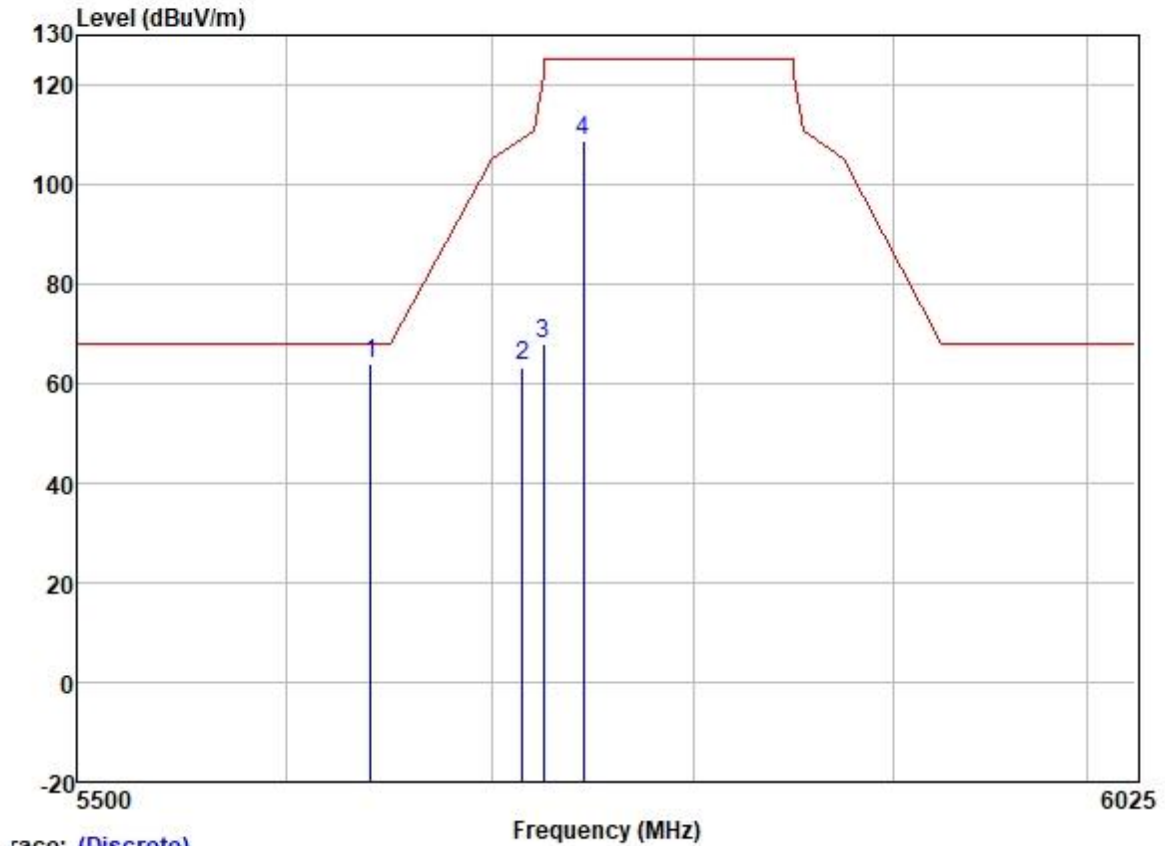
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

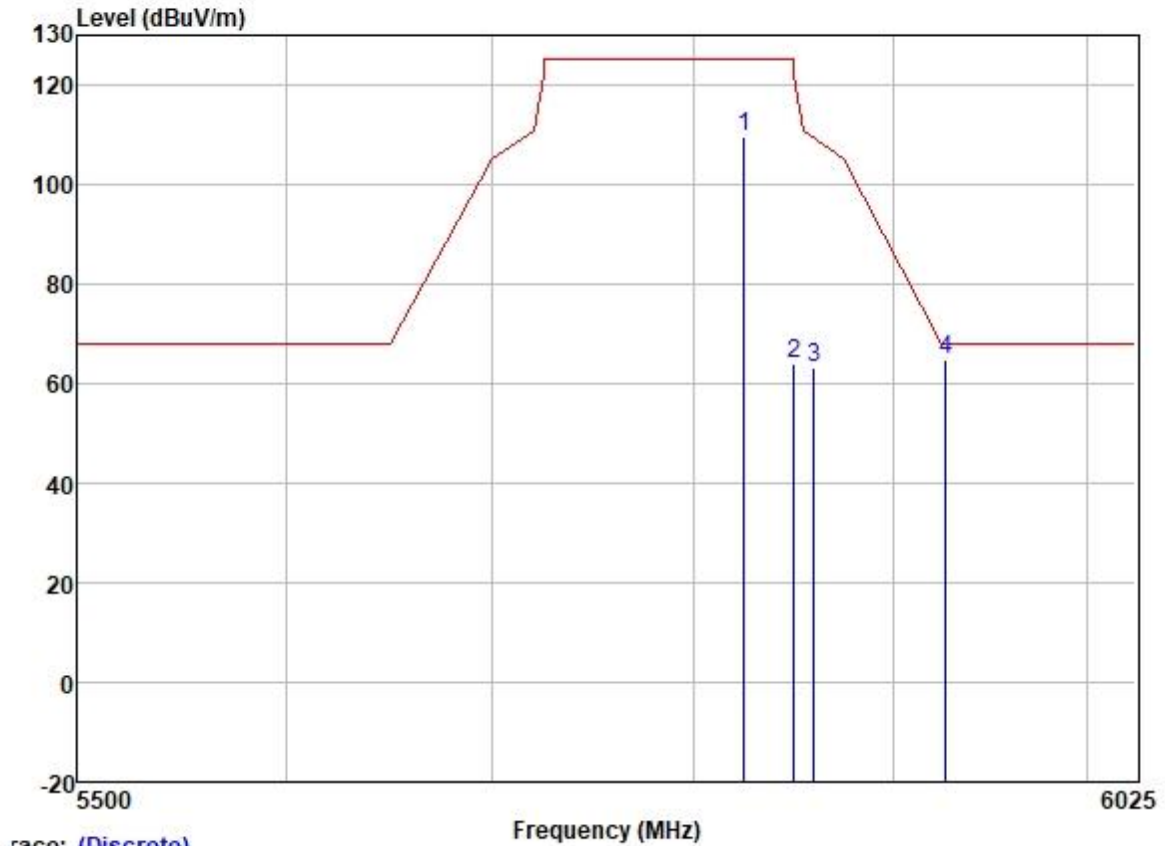
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.521	62.46	31.95	6.35	36.89	63.87	68.20	-4.33	HORIZONTAL	Peak
2	5715.000	61.16	32.04	6.33	36.89	62.64	109.40	-46.76	HORIZONTAL	Peak
3	5725.000	62.08	32.07	6.25	36.89	63.51	122.20	-58.69	HORIZONTAL	Peak
4	5745.000	105.42	32.10	6.20	36.89	106.83	125.20	-18.37	HORIZONTAL	Peak

Test Mode: 24; 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	5640.553	62.47	31.95	6.35	36.89	63.88	68.20	-4.32	VERTICAL	Peak
2	5715.000	61.92	32.04	6.33	36.89	63.40	109.40	-46.00	VERTICAL	Peak
3	5725.000	66.75	32.07	6.25	36.89	68.18	122.20	-54.02	VERTICAL	Peak
4	5745.000	107.33	32.10	6.20	36.89	108.74	125.20	-16.46	VERTICAL	Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:165



Trace: (Discrete)

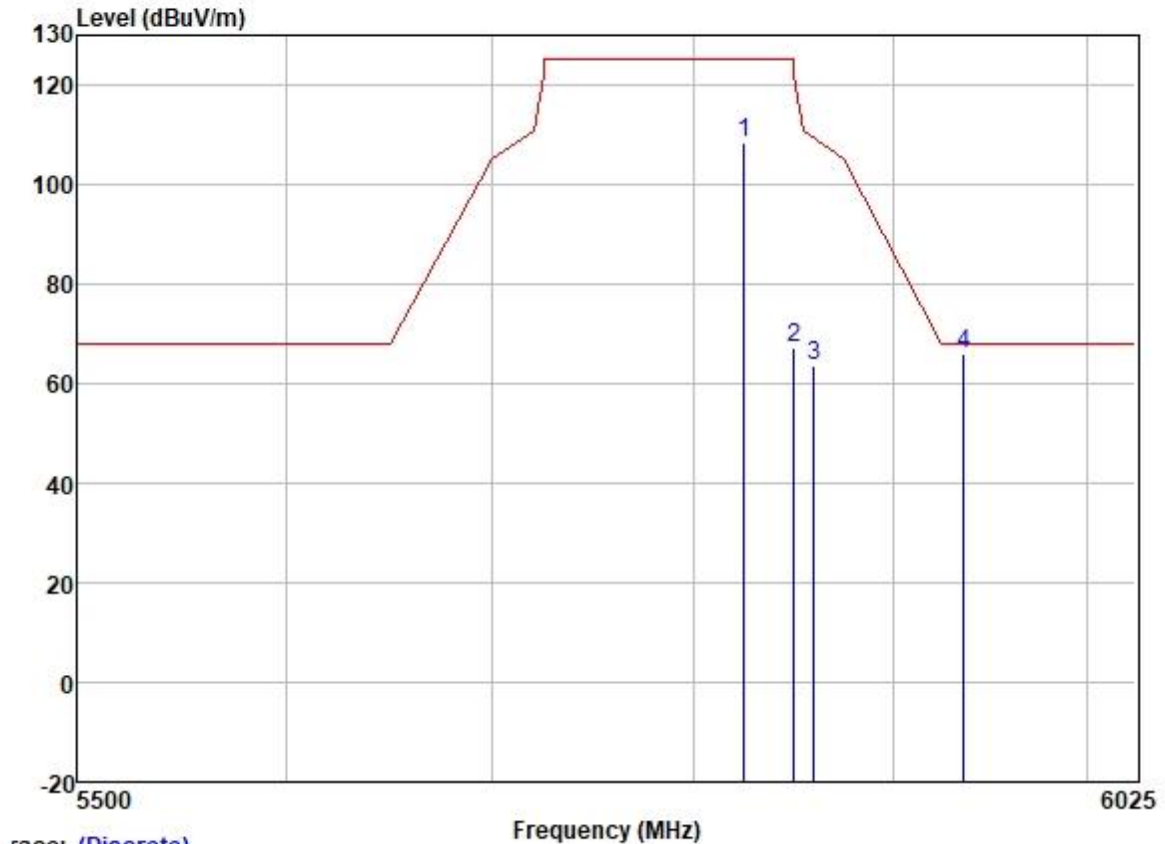
	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5825.000	108.29	32.23	6.04	36.90	109.66	125.20	-15.54 HORIZONTAL Peak
2	5850.000	62.48	32.25	6.00	36.90	63.83	122.20	-58.37 HORIZONTAL Peak
3	5860.000	61.83	32.27	5.96	36.90	63.16	109.40	-46.24 HORIZONTAL Peak
4	5926.966	63.48	32.34	6.00	36.90	64.92	68.20	-3.28 HORIZONTAL Peak



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

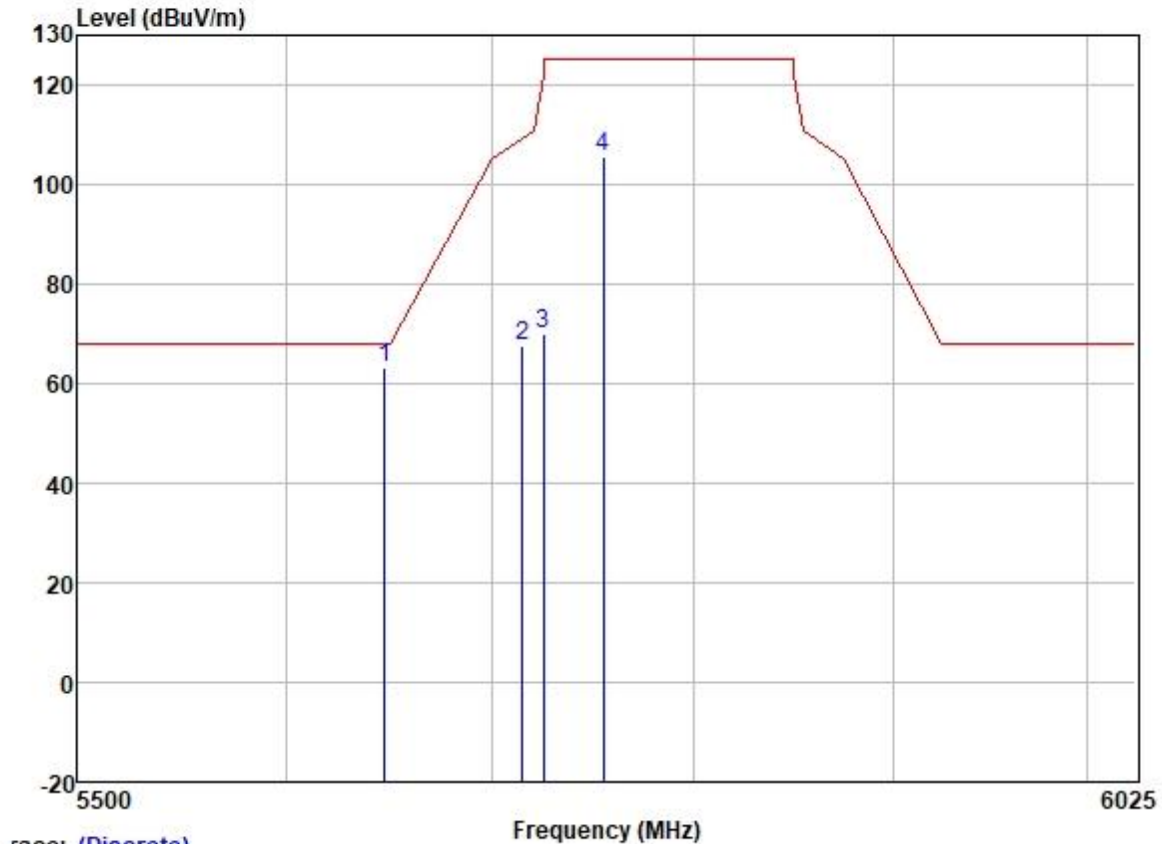
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:165



	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	107.08	32.23	6.04	36.90	108.45	125.20	-16.75	VERTICAL Peak
2	5850.000	65.74	32.25	6.00	36.90	67.09	122.20	-55.11	VERTICAL Peak
3	5860.000	62.33	32.27	5.96	36.90	63.66	109.40	-45.74	VERTICAL Peak
4	5936.525	64.54	32.34	6.00	36.90	65.98	68.20	-2.22	VERTICAL Peak

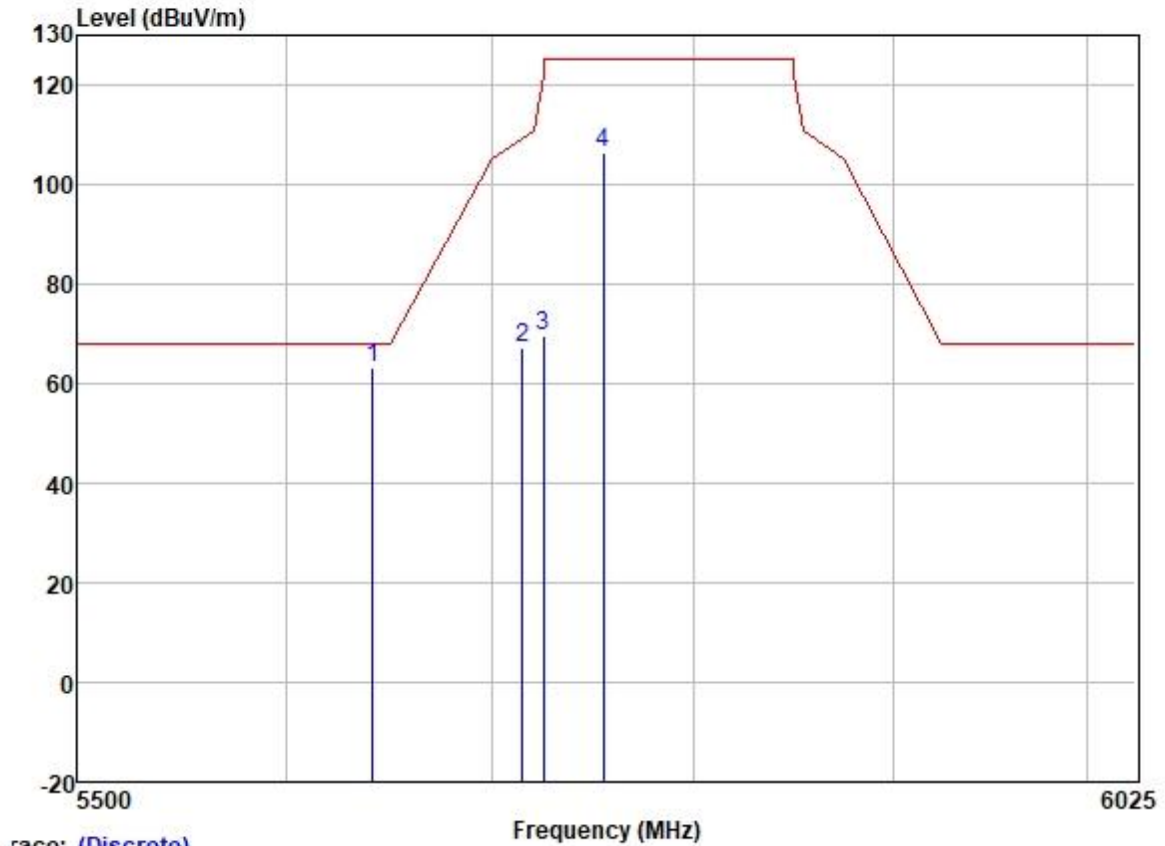
Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5647.344	61.93	31.95	6.35	36.89	63.34	68.20	-4.86	HORIZONTAL	Peak
2	5715.000	66.18	32.04	6.33	36.89	67.66	109.40	-41.74	HORIZONTAL	Peak
3	5725.000	68.51	32.07	6.25	36.89	69.94	122.20	-52.26	HORIZONTAL	Peak
4	5755.000	104.08	32.10	6.20	36.89	105.49	125.20	-19.71	HORIZONTAL	Peak

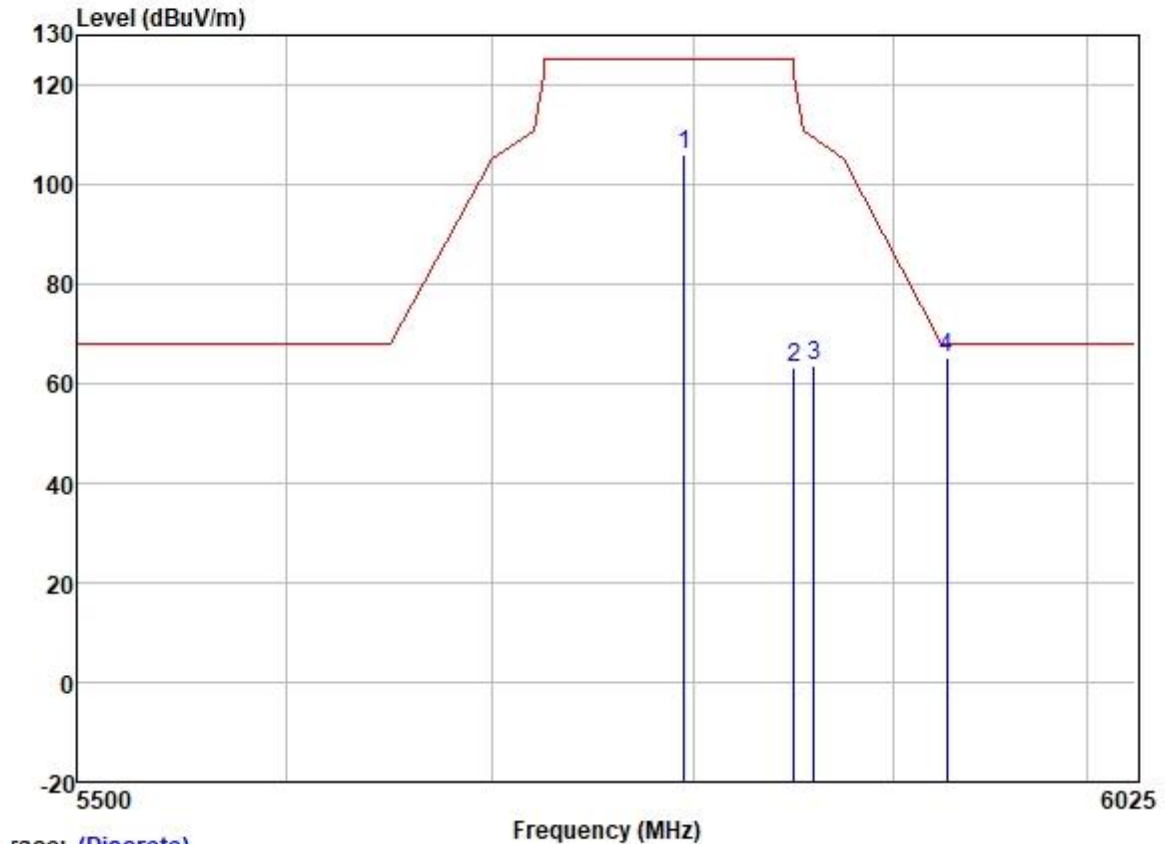
Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

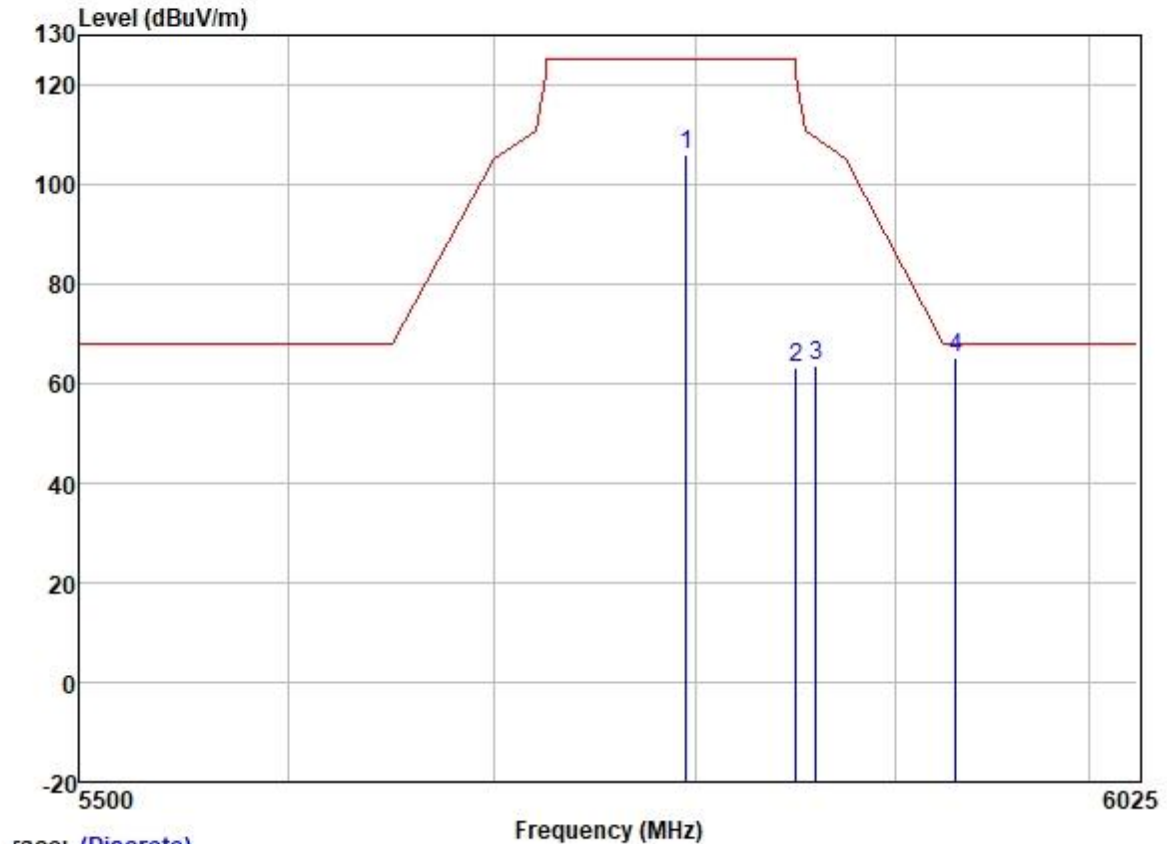
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.376	61.77	31.95	6.35	36.89	63.18	68.20	-5.02	VERTICAL	Peak
2	5715.000	65.77	32.04	6.33	36.89	67.25	109.40	-42.15	VERTICAL	Peak
3	5725.000	68.33	32.07	6.25	36.89	69.76	122.20	-52.44	VERTICAL	Peak
4	5755.000	104.84	32.10	6.20	36.89	106.25	125.20	-18.95	VERTICAL	Peak

Test Mode: 24; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:159



	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	5795.000	104.56	32.19	6.10	36.89	105.96	125.20	-19.24	HORIZONTAL	Peak
2	5850.000	61.89	32.25	6.00	36.90	63.24	122.20	-58.96	HORIZONTAL	Peak
3	5860.000	62.23	32.27	5.96	36.90	63.56	109.40	-45.84	HORIZONTAL	Peak
4	5927.530	63.84	32.34	6.00	36.90	65.28	68.20	-2.92	HORIZONTAL	Peak

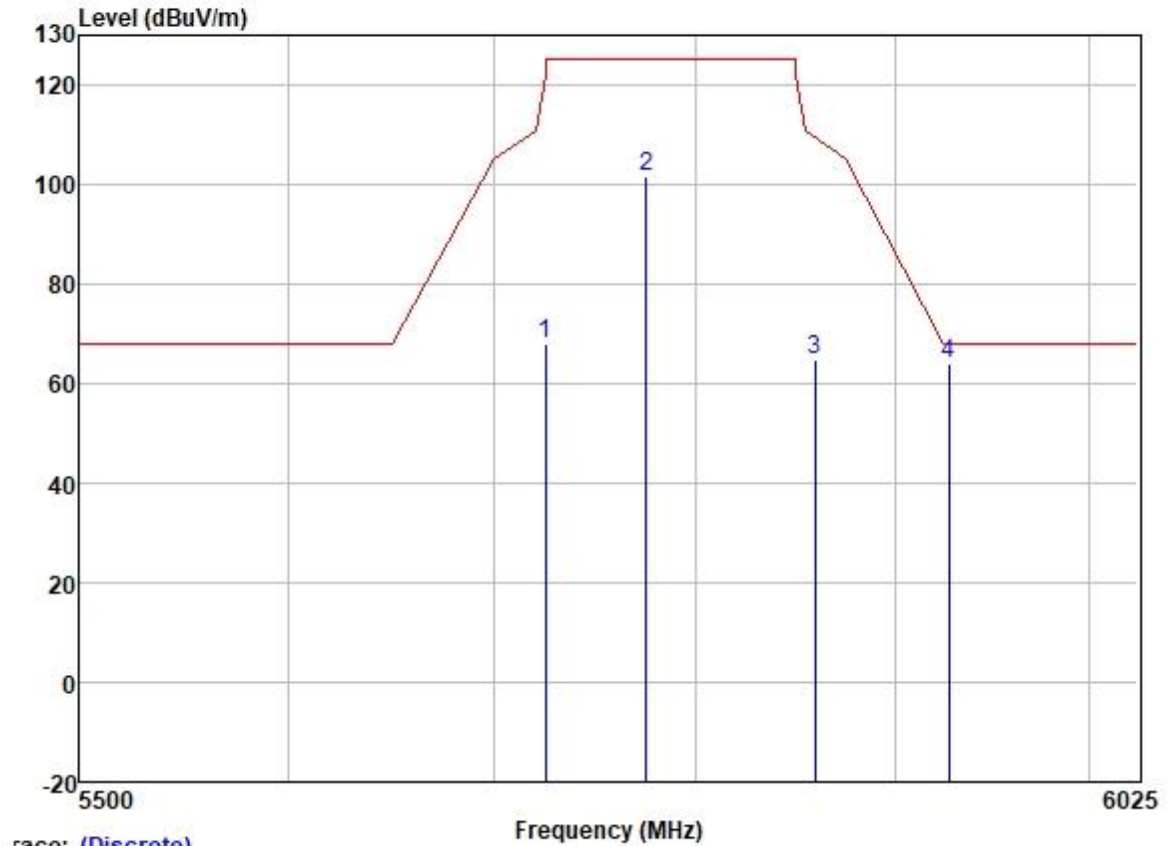
Test Mode: 24; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:159



Trace: (Discrete)

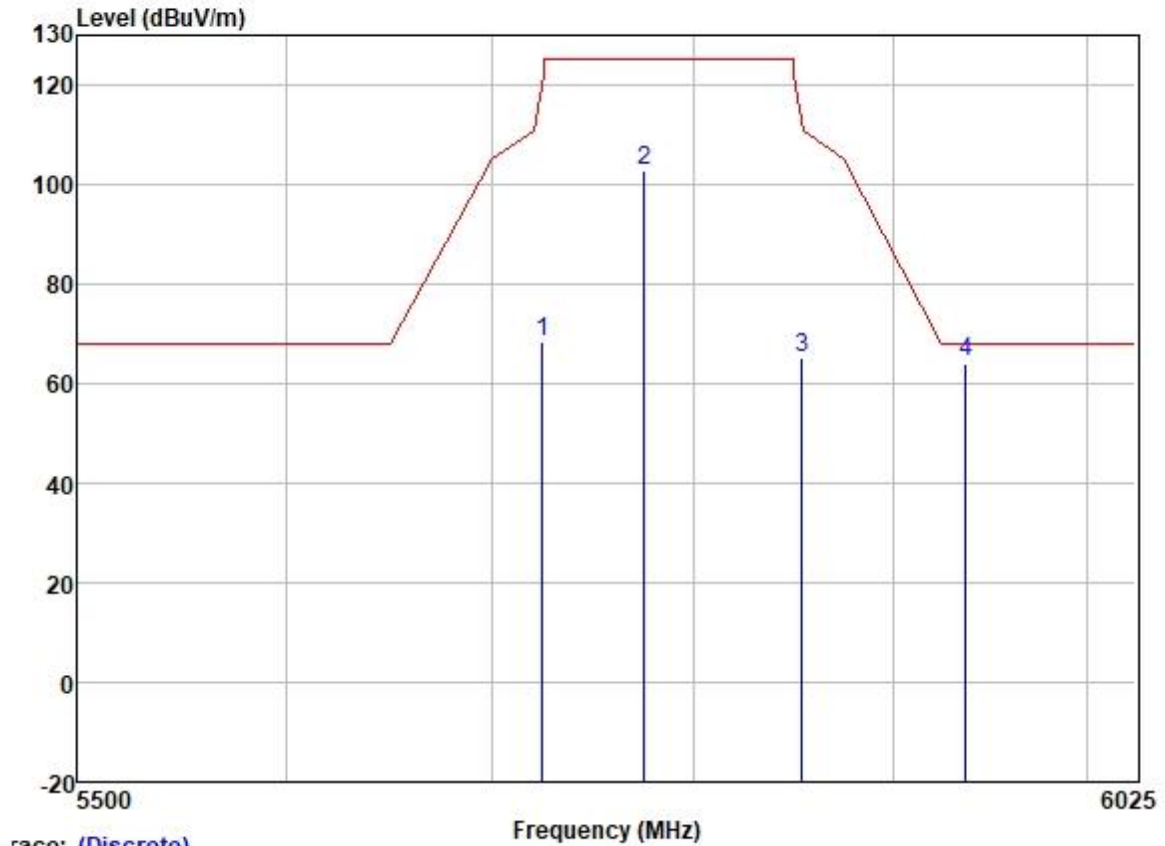
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	104.67	32.19	6.10	36.89	106.07	125.20	-19.13	VERTICAL	Peak
2	5850.000	61.73	32.25	6.00	36.90	63.08	122.20	-59.12	VERTICAL	Peak
3	5860.000	62.23	32.27	5.96	36.90	63.56	109.40	-45.84	VERTICAL	Peak
4	5930.979	63.91	32.34	6.00	36.90	65.35	68.20	-2.85	VERTICAL	Peak

Test Mode: 24; 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	5724.993	66.69	32.07	6.25	36.89	68.12	122.18	-54.06	HORIZONTAL	Peak
2	5775.000	100.37	32.16	6.10	36.89	101.74	125.20	-23.46	HORIZONTAL	Peak
3	5859.826	63.55	32.27	5.96	36.90	64.88	109.45	-44.57	HORIZONTAL	Peak
4	5927.492	62.62	32.34	6.00	36.90	64.06	68.20	-4.14	HORIZONTAL	Peak

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



		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	5724.691	66.81	32.07	6.25	36.89	68.24	121.50	-53.26	VERTICAL	Peak
2	5775.000	101.49	32.16	6.10	36.89	102.86	125.20	-22.34	VERTICAL	Peak
3	5853.965	63.69	32.25	6.00	36.90	65.04	113.16	-48.12	VERTICAL	Peak
4	5937.178	62.76	32.34	6.00	36.90	64.20	68.20	-4.00	VERTICAL	Peak

7.3 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.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

Humidity: 45.2 % RH

Atmospheric Pressure: 1015 mbar



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	17	<p>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 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(Adapter1).</p> <p>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 @ 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(Adapter1).</p>
Final test	18	
Pre-scan	19	<p>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(Adapter1).</p> <p>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 @ 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(Adapter1).</p>
Pre-scan	20	
Pre-scan	21	<p>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;</p>



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(Adapter1).

Pre-scan 22

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 @ 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(Adapter1).

Pre-scan 23

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(Adapter1).

Pre-scan 24

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 @ 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(Adapter1).

Pre-scan 32

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 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



Pre-scan	33	<p>report(Adapter2).</p> <p>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 @ 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(Adapter2).</p>
Pre-scan	34	<p>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(Adapter2).</p>
Pre-scan	35	<p>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 @ 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(Adapter2).</p>
Pre-scan	36	<p>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 802.11ax(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(Adapter2).</p>
Pre-scan	37	<p>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 @ 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</p>



Pre-scan 38

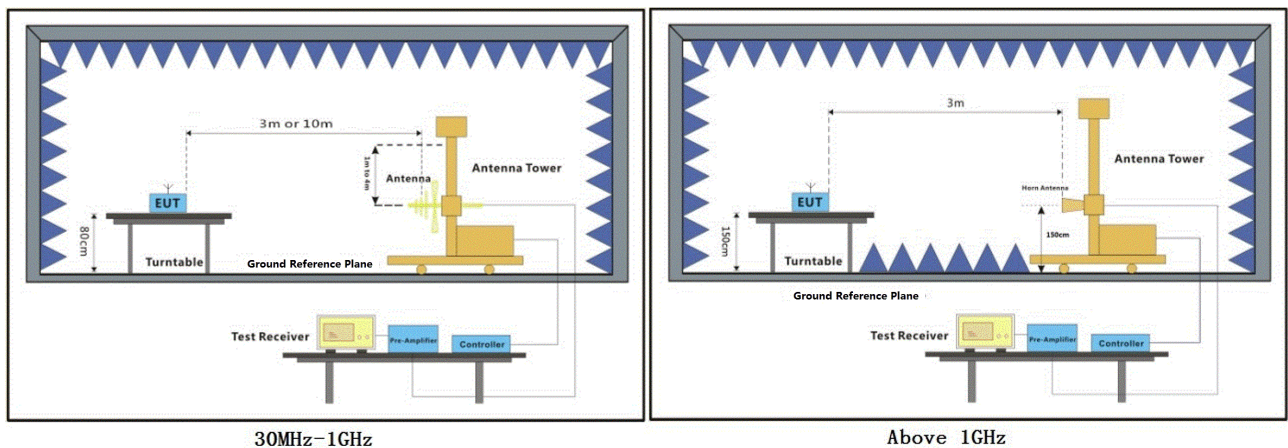
802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

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(Adapter2).

Pre-scan 39

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 @ 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(Adapter2).

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

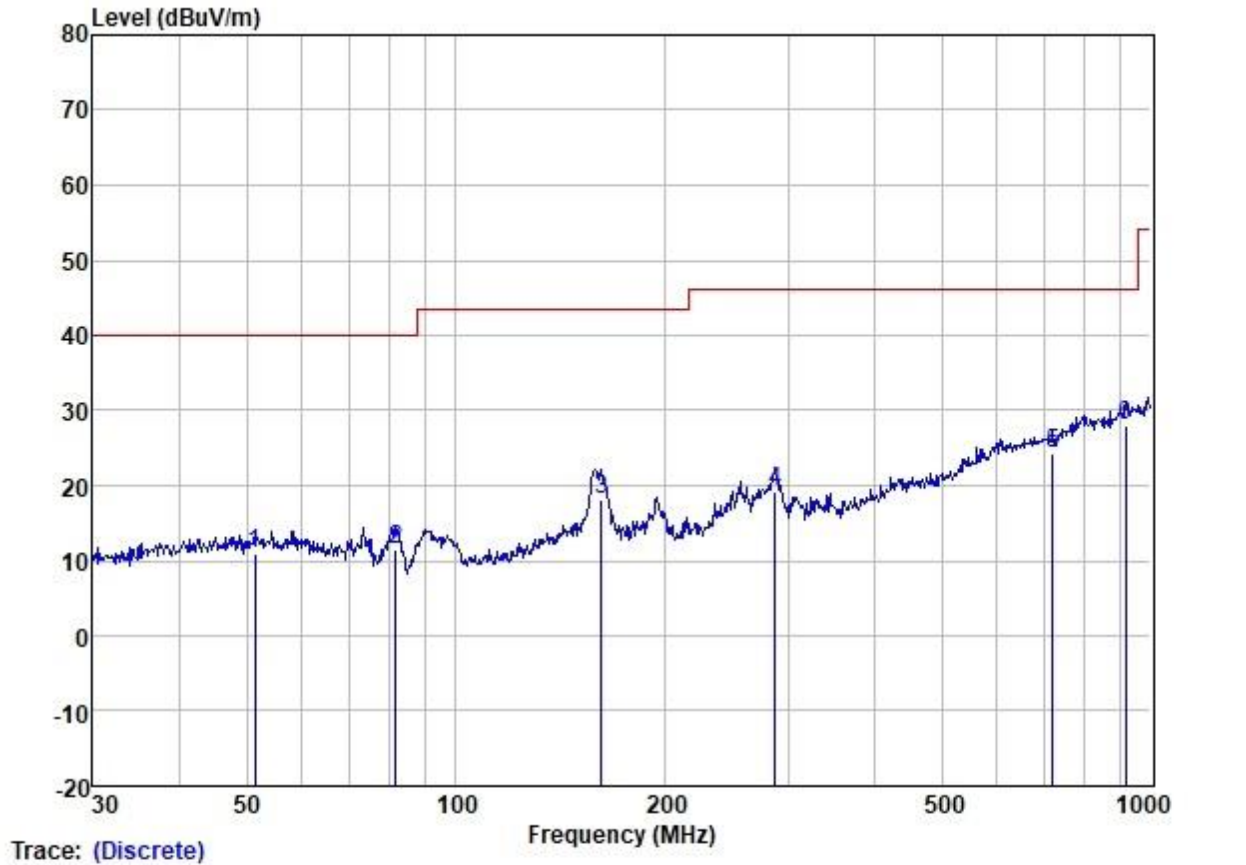
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted 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.



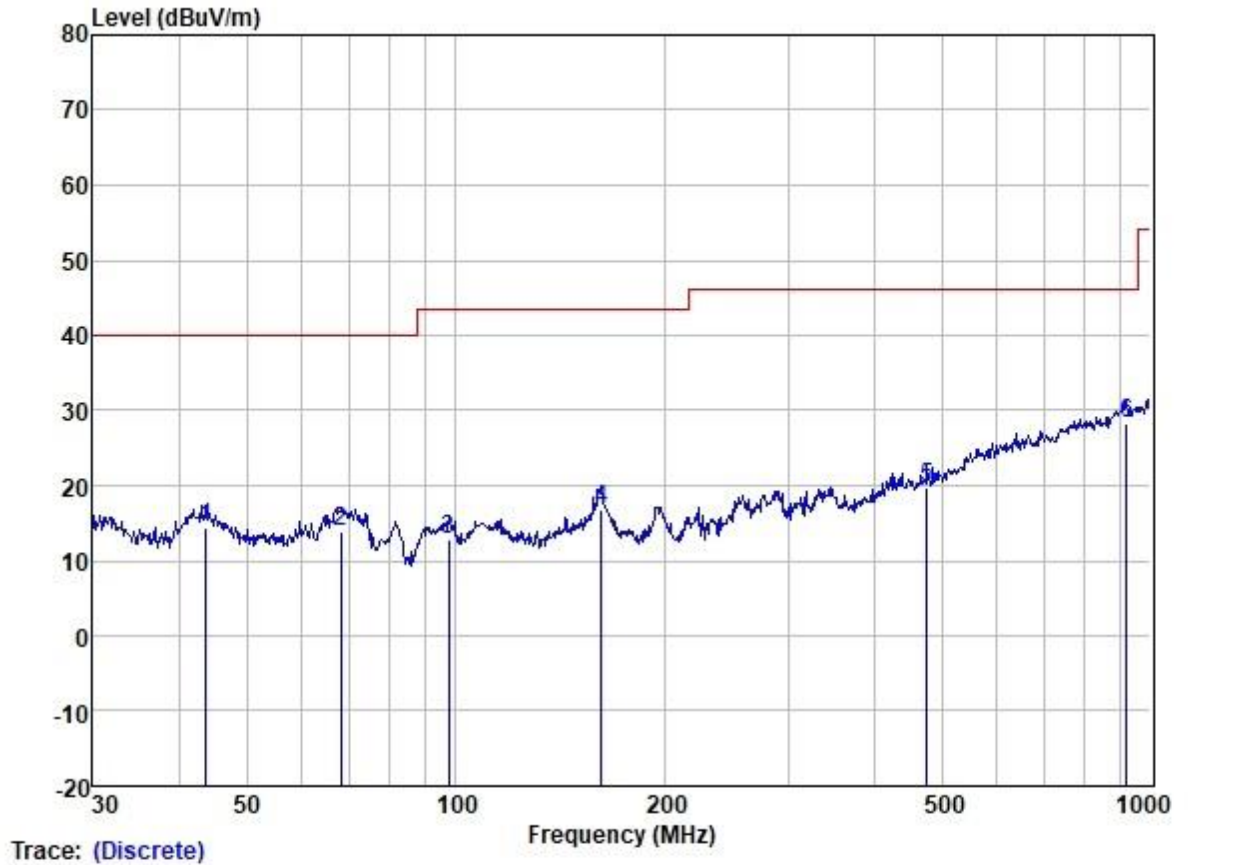
Test Mode: 18; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: Low



Site : SGS
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	51.301	23.30	13.59	1.15	27.10	10.94	40.00	-29.06	HORIZONTAL	QP
2	81.783	28.47	8.46	1.50	27.02	11.41	40.00	-28.59	HORIZONTAL	QP
3	162.041	29.25	13.25	2.34	26.67	18.17	43.50	-25.33	HORIZONTAL	QP
4	287.990	29.76	12.92	3.12	26.50	19.30	46.00	-26.70	HORIZONTAL	QP
5	721.726	25.50	20.86	5.86	28.06	24.16	46.00	-21.84	HORIZONTAL	QP
6	919.287	24.91	23.84	7.01	27.67	28.09	46.00	-17.91	HORIZONTAL	QP

Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	43.659	27.02	13.38	1.12	27.10	14.42	40.00	-25.58	VERTICAL	QP
2	68.151	27.95	11.62	1.39	27.06	13.90	40.00	-26.10	VERTICAL	QP
3	97.456	29.79	8.23	1.71	27.00	12.73	43.50	-30.77	VERTICAL	QP
4	162.041	27.97	13.25	2.34	26.67	16.89	43.50	-26.61	VERTICAL	QP
5	475.499	25.92	17.16	4.32	27.80	19.60	46.00	-26.40	VERTICAL	QP
6	922.516	25.16	23.78	7.01	27.66	28.29	46.00	-17.71	VERTICAL	QP

7.4 Radiated Emissions (above 1GHz)

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

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

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.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

Humidity: 53.3 % RH

Atmospheric Pressure: 1015 mbar



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	17	<p>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 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(Adapter1).</p> <p>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 @ 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(Adapter1).</p>
Final test	18	
Pre-scan	19	<p>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(Adapter1).</p> <p>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 @ 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(Adapter1).</p>
Final test	20	
Pre-scan	21	<p>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;</p>



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(Adapter1).

Final test 22

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 @ 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(Adapter1).

Pre-scan 23

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(Adapter1).

Final test 24

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 @ 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(Adapter1).

Pre-scan 32

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 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



Pre-scan	33	<p>report(Adapter2).</p> <p>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 @ 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(Adapter2).</p>
Pre-scan	34	<p>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(Adapter2).</p>
Pre-scan	35	<p>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 @ 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(Adapter2).</p>
Pre-scan	36	<p>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 802.11ax(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(Adapter2).</p>
Pre-scan	37	<p>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 @ 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</p>



Pre-scan 38

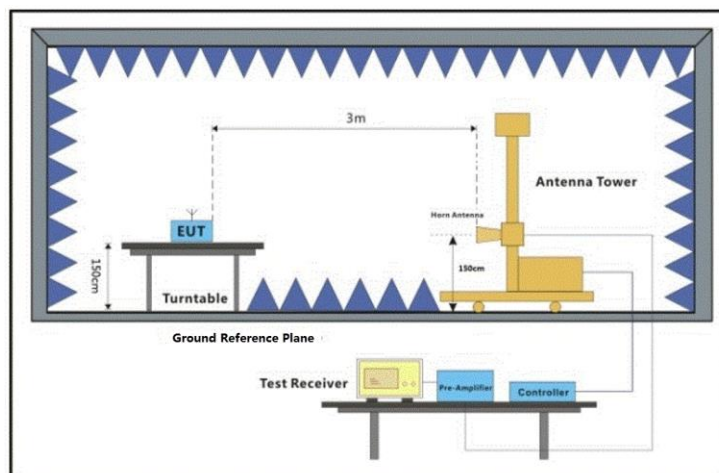
802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

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(Adapter2).

Pre-scan 39

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 @ 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(Adapter2).

7.4.3 Test Setup Diagram



7.4.4 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:

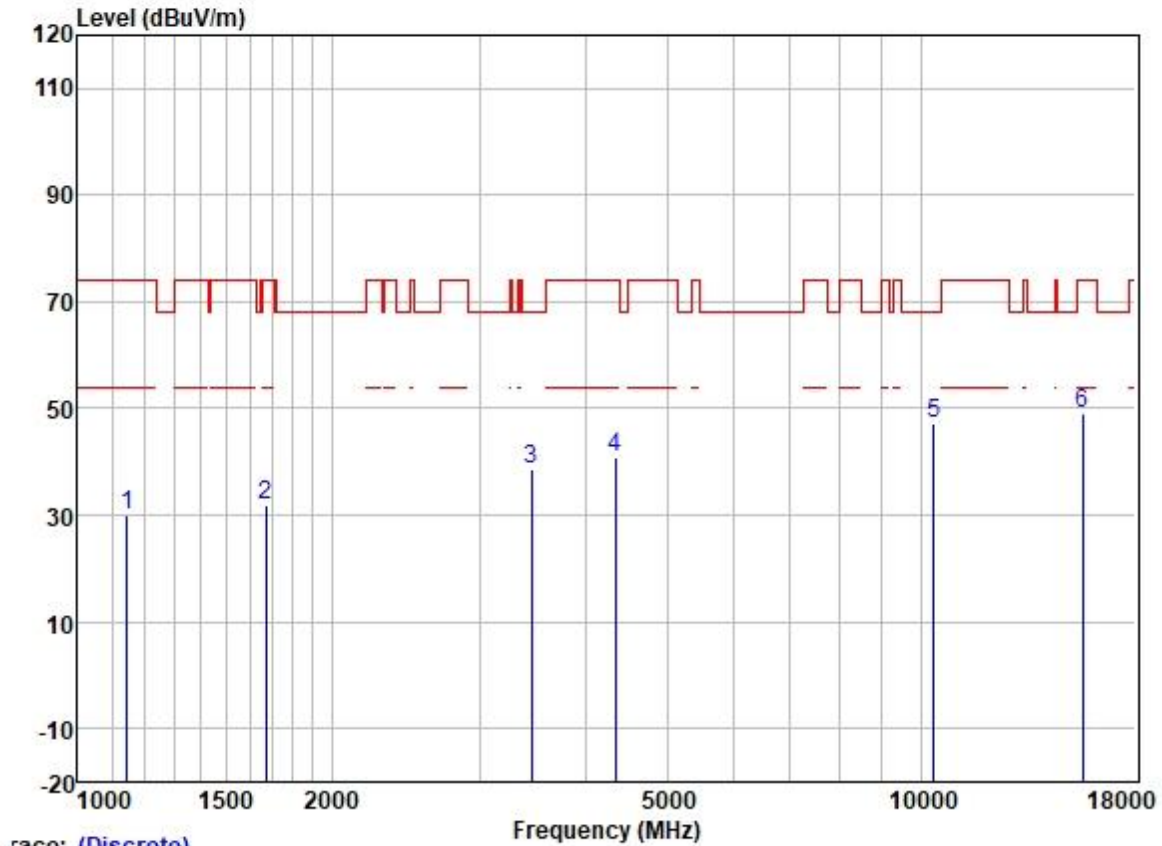
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from 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.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

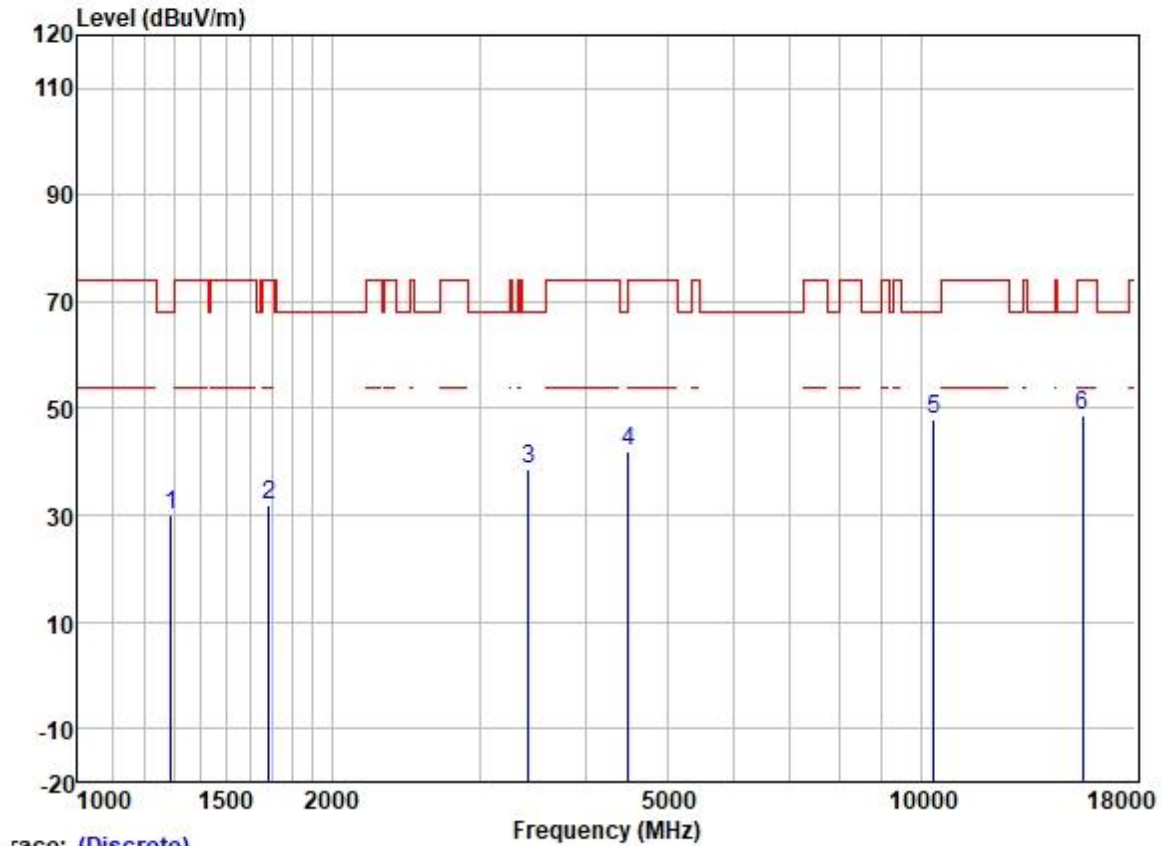
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	41.76	24.48	2.32	38.42	30.14	74.00	-43.86	HORIZONTAL	Peak
2	1672.779	41.16	25.67	2.80	37.91	31.72	74.00	-42.28	HORIZONTAL	Peak
3	3455.508	42.55	28.88	4.20	36.96	38.67	68.20	-29.53	HORIZONTAL	Peak
4	4341.886	42.60	30.57	4.67	36.81	41.03	74.00	-32.97	HORIZONTAL	Peak
5	10360.000	38.00	39.28	7.29	37.37	47.20	68.20	-21.00	HORIZONTAL	Peak
6	15540.000	35.37	39.05	9.88	35.39	48.91	74.00	-25.09	HORIZONTAL	Peak

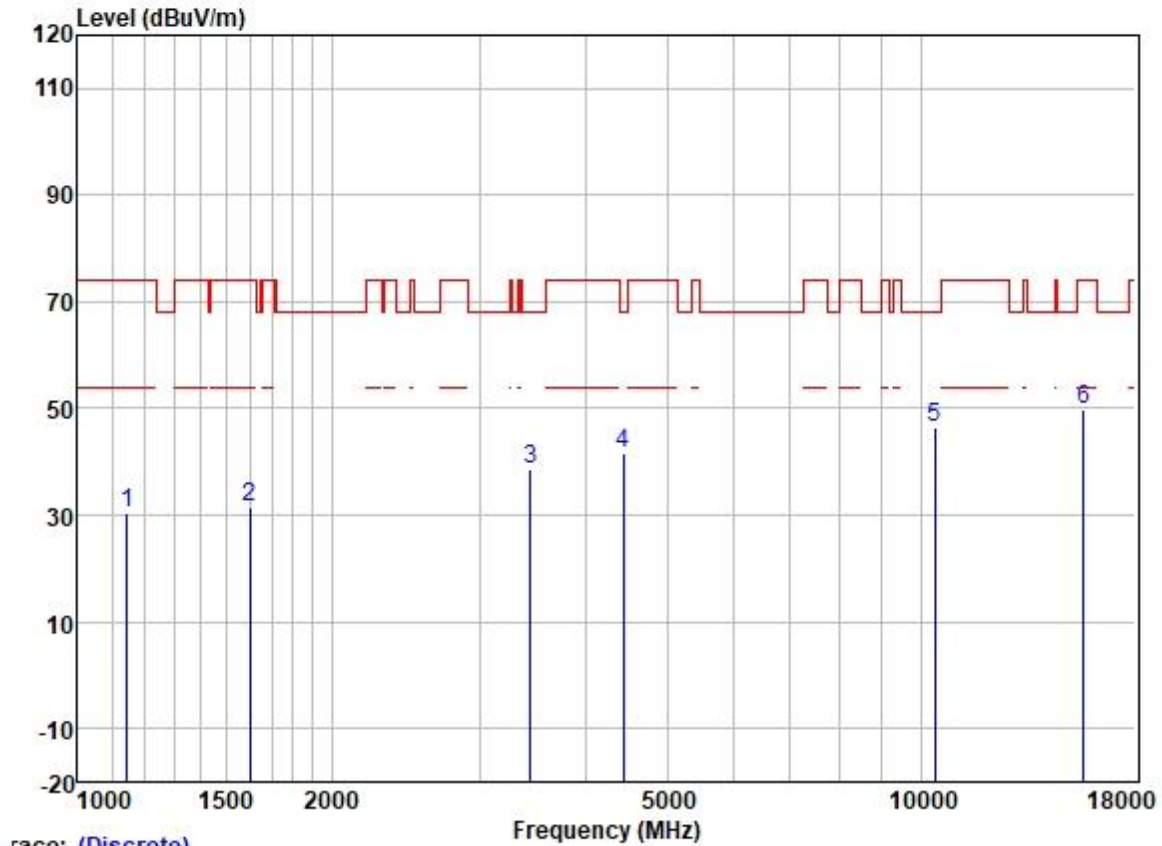
Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

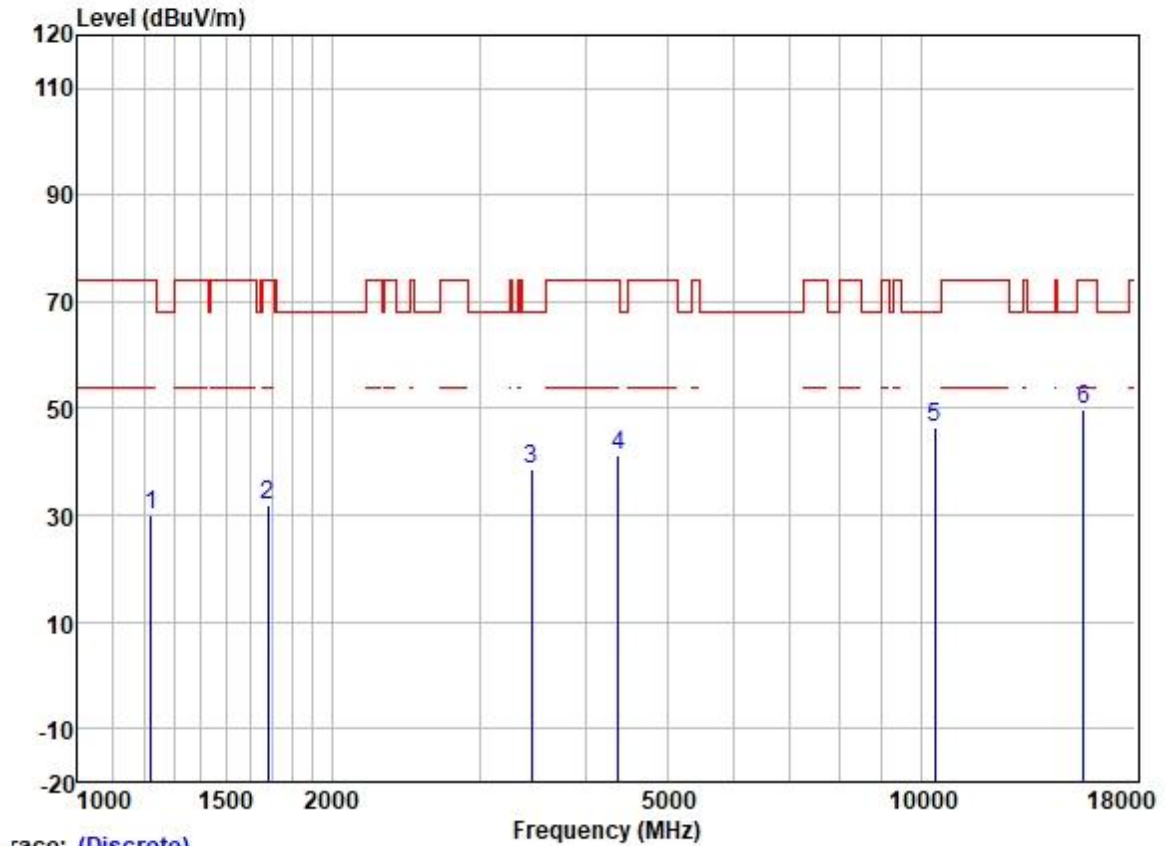
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	40.73	25.17	2.55	38.31	30.14	68.20	-38.06	VERTICAL	Peak
2	1687.347	41.18	25.69	2.80	37.91	31.76	74.00	-42.24	VERTICAL	Peak
3	3425.675	42.50	28.86	4.15	36.97	38.54	68.20	-29.66	VERTICAL	Peak
4	4495.125	42.77	30.80	5.05	36.82	41.80	68.20	-26.40	VERTICAL	Peak
5	10360.000	38.62	39.28	7.29	37.37	47.82	68.20	-20.38	VERTICAL	Peak
6	15540.000	35.29	39.05	9.88	35.39	48.83	74.00	-25.17	VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	41.94	24.48	2.32	38.42	30.32	74.00	-43.68	HORIZONTAL	Peak
2	1601.804	41.28	25.58	2.80	37.98	31.68	74.00	-42.32	HORIZONTAL	Peak
3	3445.535	42.67	28.87	4.18	36.96	38.76	68.20	-29.44	HORIZONTAL	Peak
4	4443.453	42.68	30.73	4.83	36.81	41.43	68.20	-26.77	HORIZONTAL	Peak
5	10400.000	36.98	39.33	7.32	37.36	46.27	68.20	-21.93	HORIZONTAL	Peak
6	15600.000	36.20	38.99	9.88	35.39	49.68	74.00	-24.32	HORIZONTAL	Peak

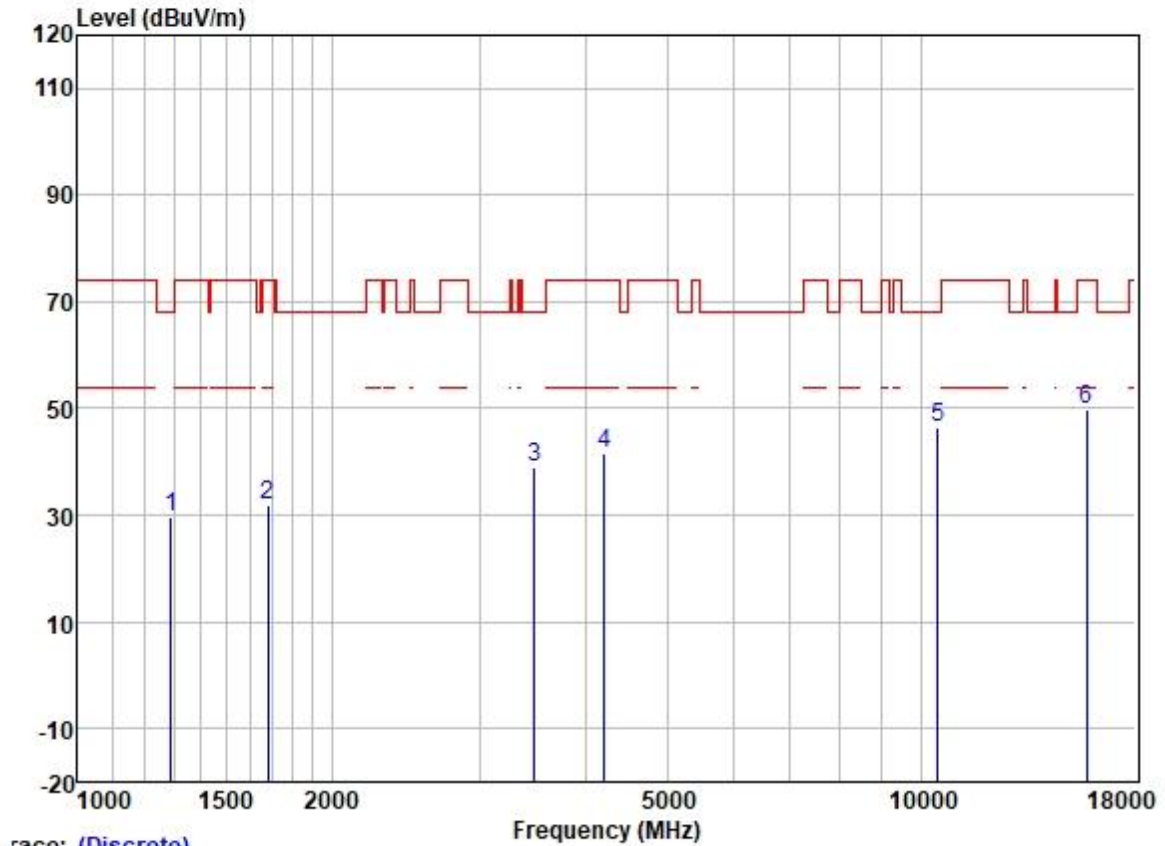
Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

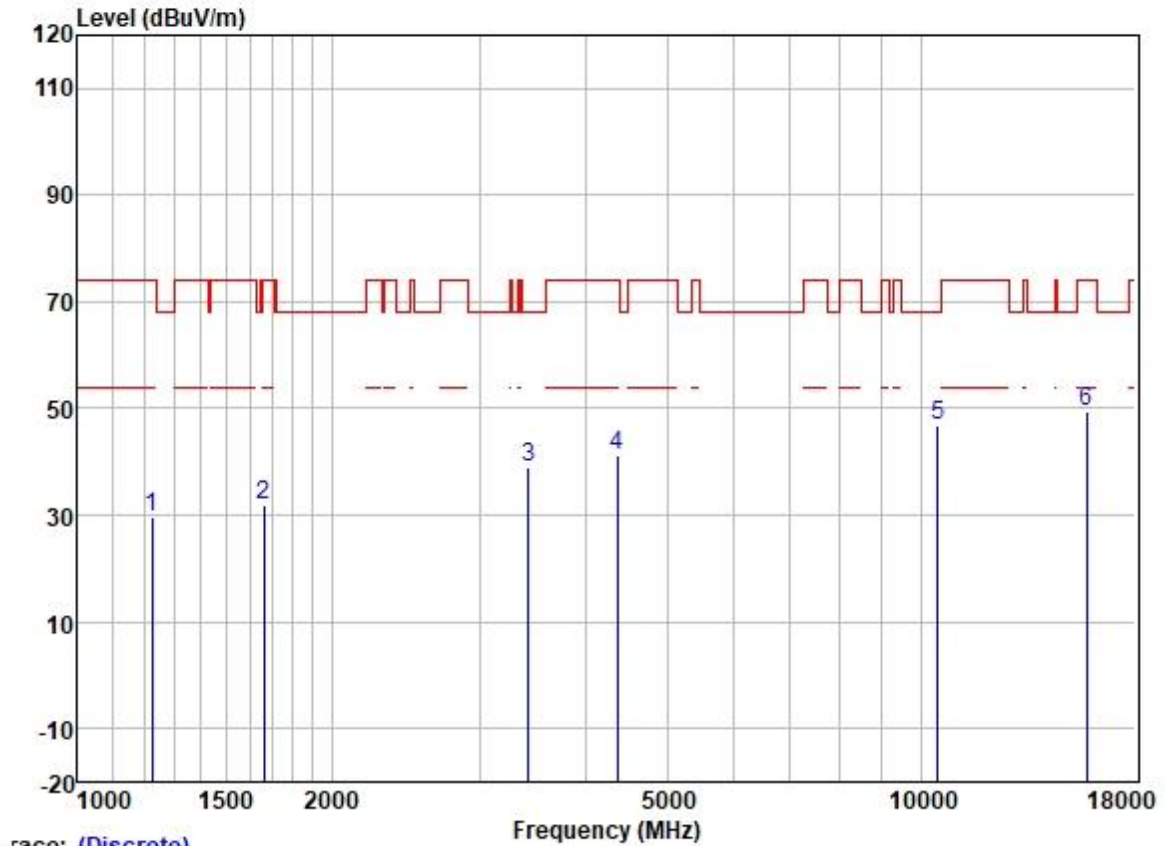
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	41.28	24.82	2.32	38.37	30.05	74.00	-43.95	VERTICAL	Peak
2	1682.477	41.37	25.68	2.80	37.91	31.94	74.00	-42.06	VERTICAL	Peak
3	3455.508	42.58	28.88	4.20	36.96	38.70	68.20	-29.50	VERTICAL	Peak
4	4379.699	42.63	30.64	4.69	36.81	41.15	74.00	-32.85	VERTICAL	Peak
5	10400.000	37.32	39.33	7.32	37.36	46.61	68.20	-21.59	VERTICAL	Peak
6	15600.000	36.41	38.99	9.88	35.39	49.89	74.00	-24.11	VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



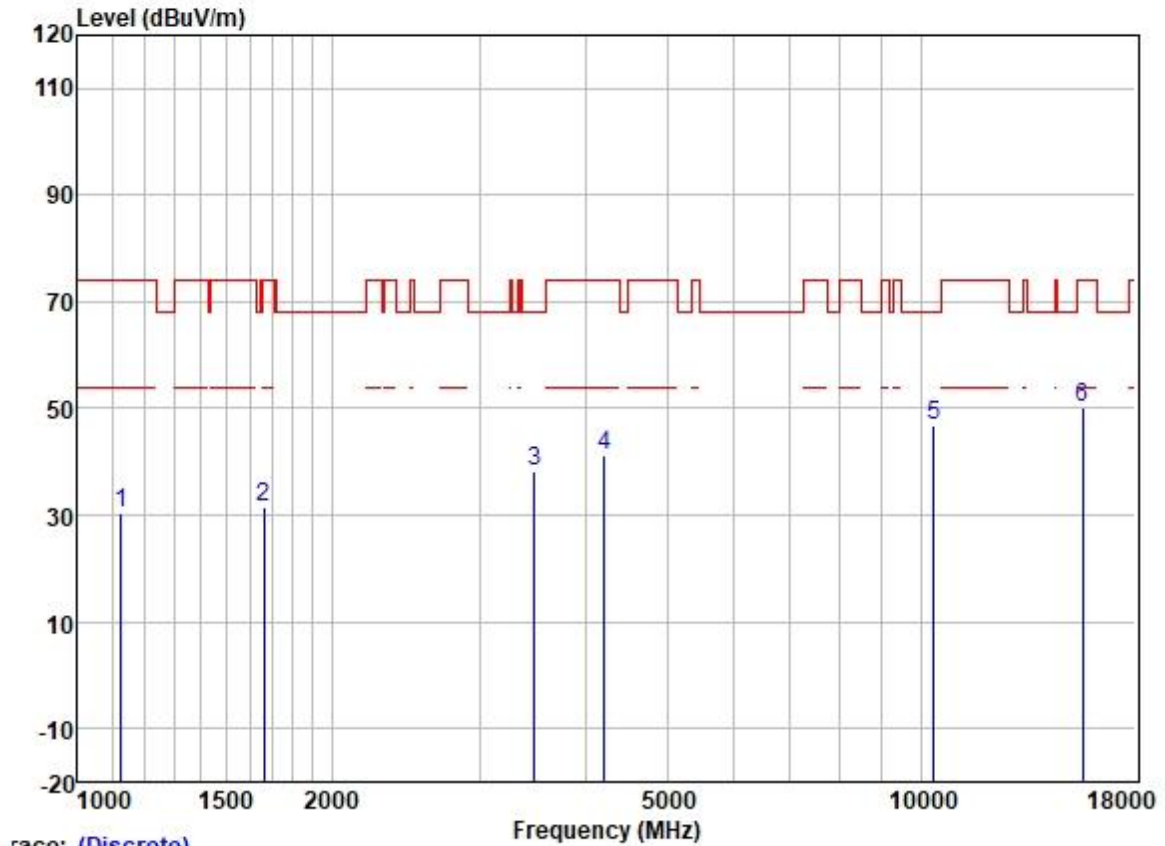
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	40.26	25.17	2.55	38.31	29.67	68.20	-38.53	HORIZONTAL	Peak
2	1682.477	41.48	25.68	2.80	37.91	32.05	74.00	-41.95	HORIZONTAL	Peak
3	3485.601	42.81	28.89	4.27	36.95	39.02	68.20	-29.18	HORIZONTAL	Peak
4	4218.186	43.62	30.22	4.60	36.81	41.63	74.00	-32.37	HORIZONTAL	Peak
5	10480.000	37.11	39.46	7.40	37.36	46.61	68.20	-21.59	HORIZONTAL	Peak
6	15720.000	36.50	38.78	9.87	35.39	49.76	74.00	-24.24	HORIZONTAL	Peak

Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



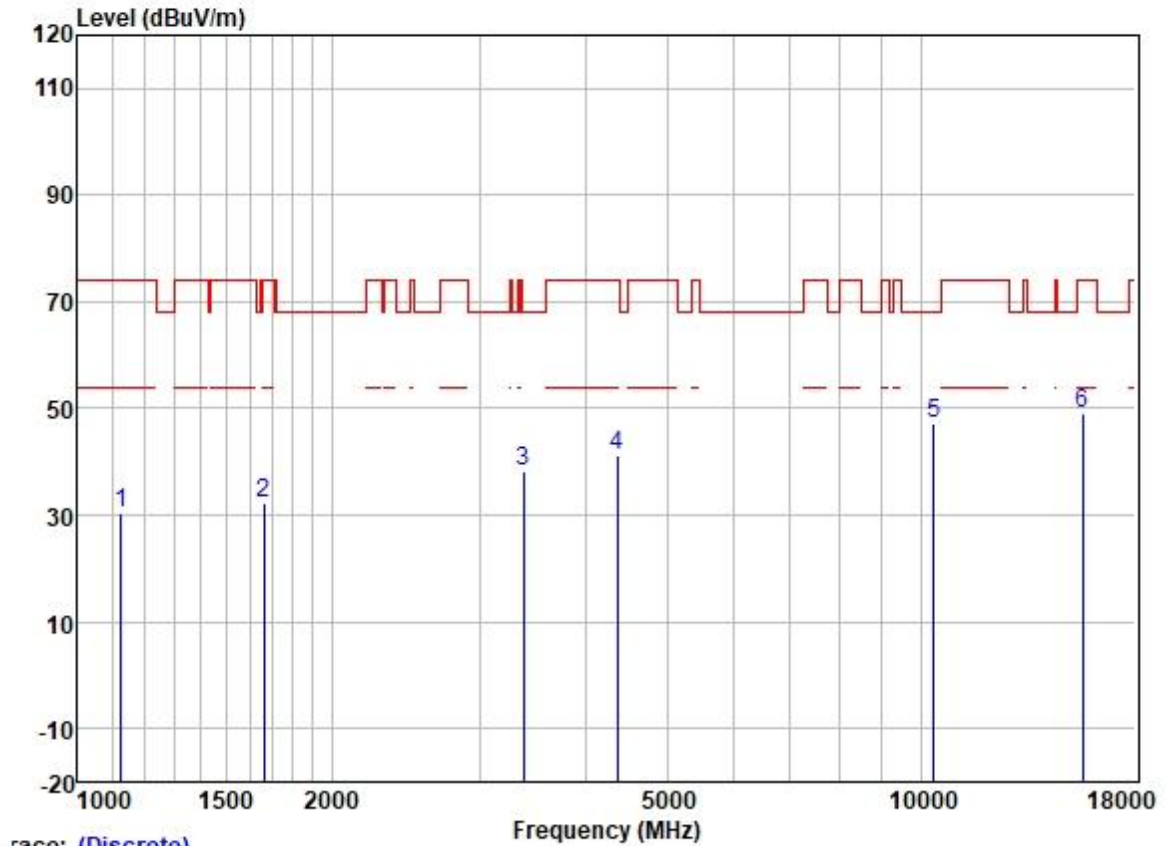
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	40.88	24.85	2.31	38.37	29.67	74.00	-44.33	VERTICAL	Peak
2	1663.137	41.52	25.65	2.80	37.91	32.06	74.00	-41.94	VERTICAL	Peak
3	3425.675	43.03	28.86	4.15	36.97	39.07	68.20	-29.13	VERTICAL	Peak
4	4367.058	42.73	30.62	4.68	36.81	41.22	74.00	-32.78	VERTICAL	Peak
5	10480.000	37.27	39.46	7.40	37.36	46.77	68.20	-21.43	VERTICAL	Peak
6	15720.000	36.05	38.78	9.87	35.39	49.31	74.00	-24.69	VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1125.813	42.04	24.42	2.21	38.43	30.24	74.00	-43.76	HORIZONTAL	Peak
2	1663.137	40.89	25.65	2.80	37.91	31.43	74.00	-42.57	HORIZONTAL	Peak
3	3485.601	42.17	28.89	4.27	36.95	38.38	68.20	-29.82	HORIZONTAL	Peak
4	4218.186	43.13	30.22	4.60	36.81	41.14	74.00	-32.86	HORIZONTAL	Peak
5	10360.000	37.62	39.28	7.29	37.37	46.82	68.20	-21.38	HORIZONTAL	Peak
6	15540.000	36.55	39.05	9.88	35.39	50.09	74.00	-23.91	HORIZONTAL	Peak

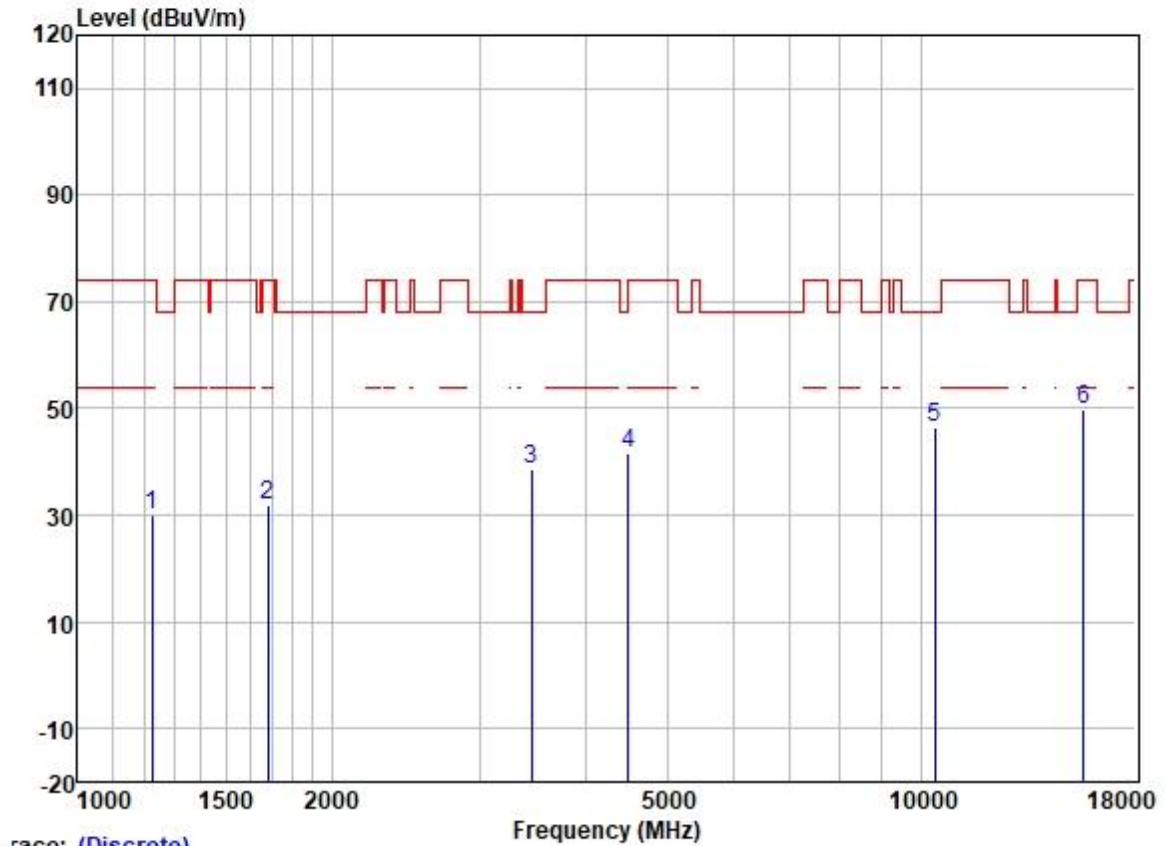
Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

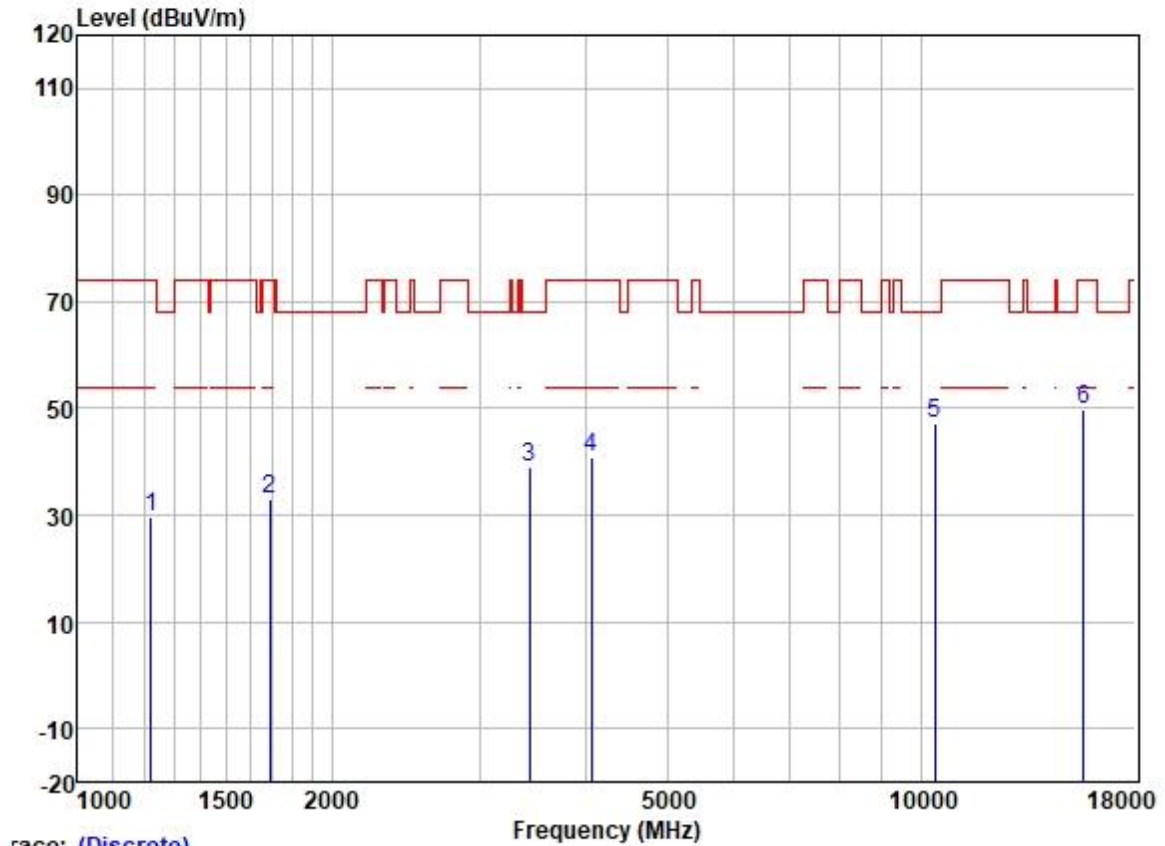
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1125.813	42.11	24.42	2.21	38.43	30.31	74.00	-43.69 VERTICAL	Peak
2	1663.137	41.57	25.65	2.80	37.91	32.11	74.00	-41.89 VERTICAL	Peak
3	3376.523	42.45	28.83	4.09	36.99	38.38	68.20	-29.82 VERTICAL	Peak
4	4367.058	42.59	30.62	4.68	36.81	41.08	74.00	-32.92 VERTICAL	Peak
5	10360.000	37.87	39.28	7.29	37.37	47.07	68.20	-21.13 VERTICAL	Peak
6	15540.000	35.71	39.05	9.88	35.39	49.25	74.00	-24.75 VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



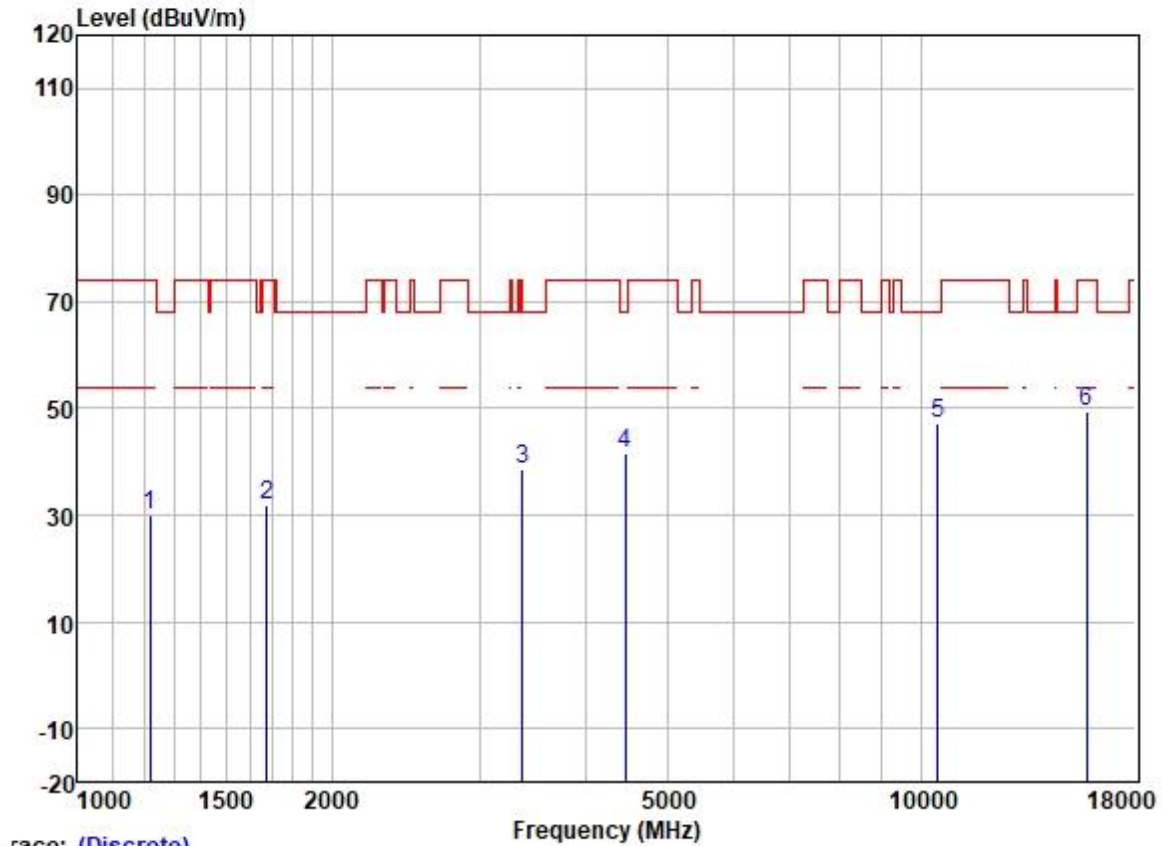
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	41.05	24.85	2.31	38.37	29.84	74.00	-44.16	HORIZONTAL	Peak
2	1682.477	41.42	25.68	2.80	37.91	31.99	74.00	-42.01	HORIZONTAL	Peak
3	3455.508	42.56	28.88	4.20	36.96	38.68	68.20	-29.52	HORIZONTAL	Peak
4	4495.125	42.40	30.80	5.05	36.82	41.43	68.20	-26.77	HORIZONTAL	Peak
5	10400.000	37.23	39.33	7.32	37.36	46.52	68.20	-21.68	HORIZONTAL	Peak
6	15600.000	36.28	38.99	9.88	35.39	49.76	74.00	-24.24	HORIZONTAL	Peak

Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



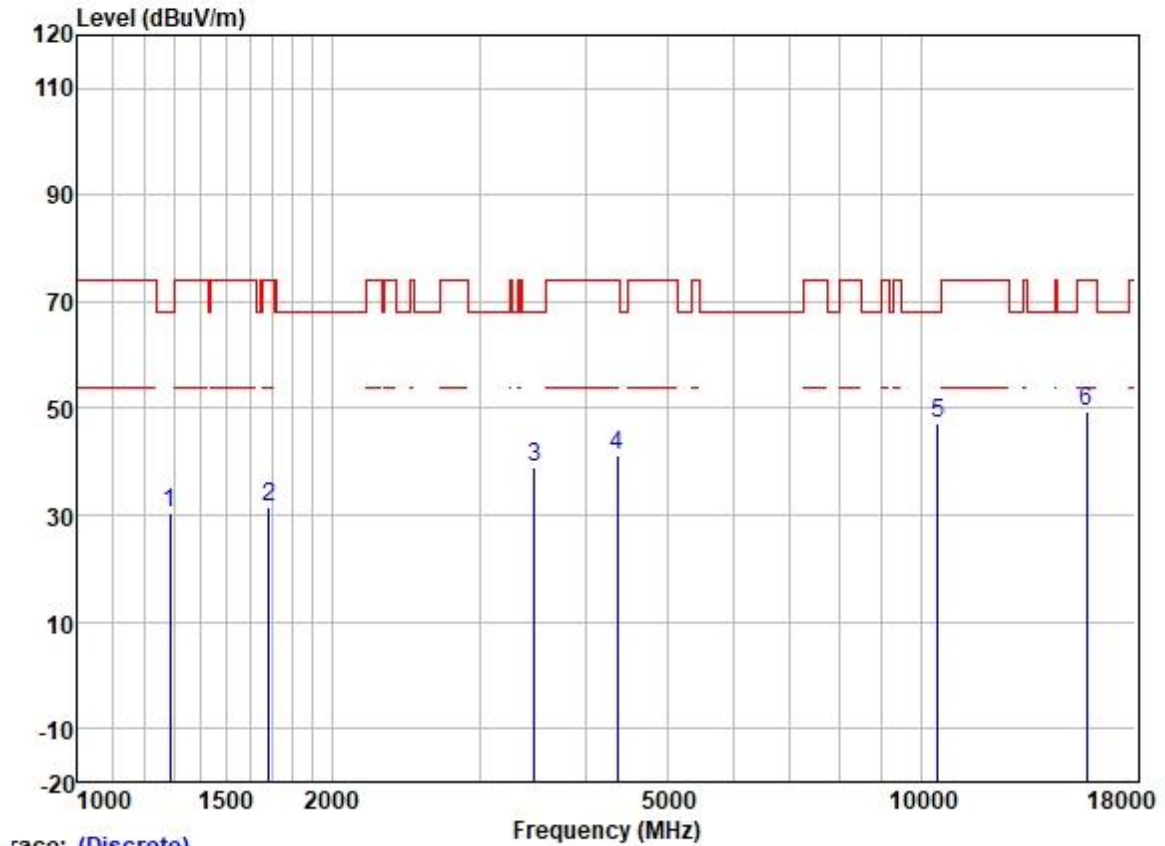
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	41.06	24.82	2.32	38.37	29.83	74.00	-44.17	VERTICAL	Peak
2	1692.231	42.24	25.70	2.80	37.89	32.85	74.00	-41.15	VERTICAL	Peak
3	3435.590	43.05	28.87	4.16	36.97	39.11	68.20	-29.09	VERTICAL	Peak
4	4062.629	43.35	29.88	4.60	36.80	41.03	74.00	-32.97	VERTICAL	Peak
5	10400.000	38.04	39.33	7.32	37.36	47.33	68.20	-20.87	VERTICAL	Peak
6	15600.000	36.35	38.99	9.88	35.39	49.83	74.00	-24.17	VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



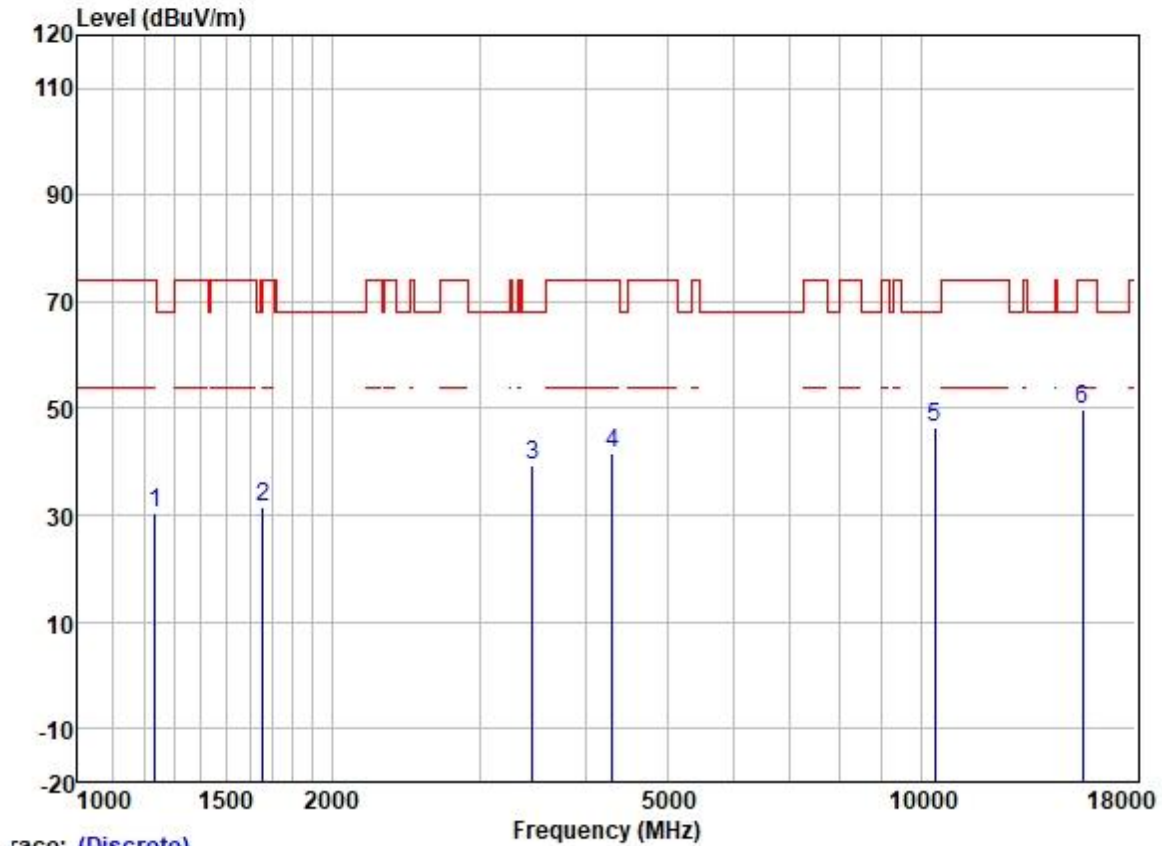
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	41.26	24.79	2.32	38.37	30.00	74.00	-44.00	HORIZONTAL	Peak
2	1677.621	41.16	25.68	2.80	37.91	31.73	74.00	-42.27	HORIZONTAL	Peak
3	3366.778	42.75	28.82	4.09	36.99	38.67	68.20	-29.53	HORIZONTAL	Peak
4	4456.315	42.63	30.75	4.88	36.81	41.45	68.20	-26.75	HORIZONTAL	Peak
5	10480.000	37.71	39.46	7.40	37.36	47.21	68.20	-20.99	HORIZONTAL	Peak
6	15720.000	36.03	38.78	9.87	35.39	49.29	74.00	-24.71	HORIZONTAL	Peak

Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1285.904	41.16	25.16	2.53	38.33	30.52	68.20	-37.68	VERTICAL	Peak
2	1687.347	41.02	25.69	2.80	37.91	31.60	74.00	-42.40	VERTICAL	Peak
3	3485.601	42.93	28.89	4.27	36.95	39.14	68.20	-29.06	VERTICAL	Peak
4	4367.058	42.74	30.62	4.68	36.81	41.23	74.00	-32.77	VERTICAL	Peak
5	10480.000	37.71	39.46	7.40	37.36	47.21	68.20	-20.99	VERTICAL	Peak
6	15720.000	36.35	38.78	9.87	35.39	49.61	74.00	-24.39	VERTICAL	Peak

Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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	1234.909	41.57	24.93	2.30	38.37	30.43	74.00	-43.57	HORIZONTAL	Peak
2	1658.337	41.10	25.65	2.80	37.93	31.62	68.20	-36.58	HORIZONTAL	Peak
3	3465.510	43.03	28.88	4.22	36.95	39.18	68.20	-29.02	HORIZONTAL	Peak
4	4304.400	43.19	30.48	4.65	36.81	41.51	74.00	-32.49	HORIZONTAL	Peak
5	10380.000	37.31	39.33	7.32	37.37	46.59	68.20	-21.61	HORIZONTAL	Peak
6	15570.000	36.47	38.99	9.88	35.39	49.95	74.00	-24.05	HORIZONTAL	Peak