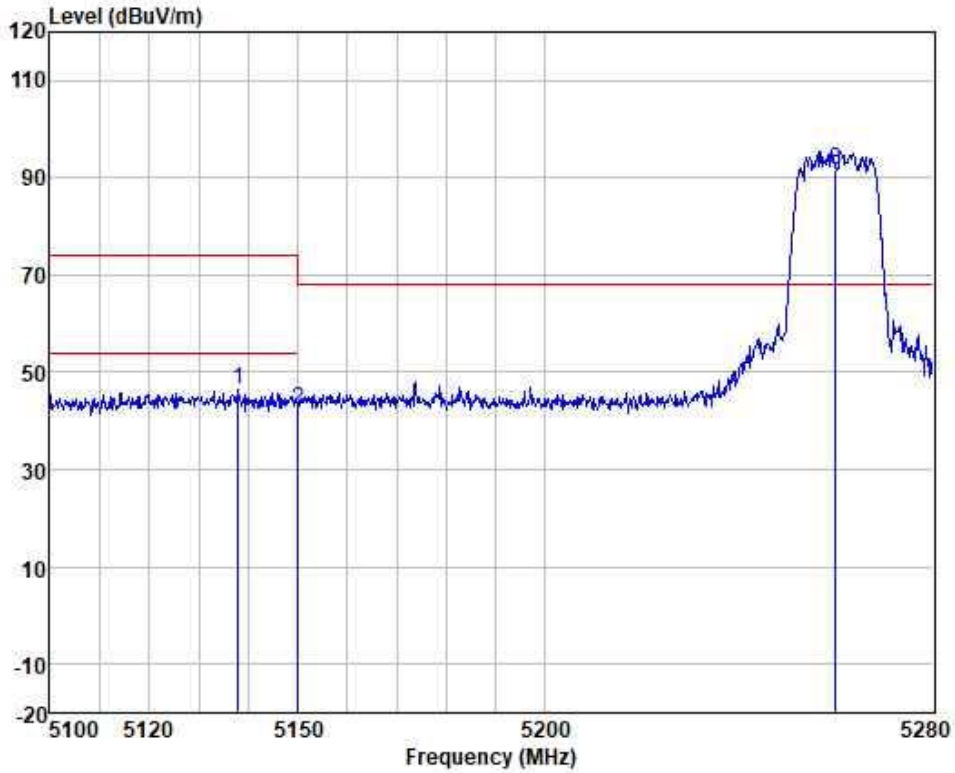
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	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	5137.997	43.36	33.84	5.94	36.73	46.41	74.00	-27.59	VERTICAL	peak
2	5150.000	39.34	33.79	5.95	36.73	42.35	68.20	-25.85	VERTICAL	peak
3 *	5260.000	88.95	33.38	6.03	36.74	91.62	68.20	23.42	VERTICAL	peak

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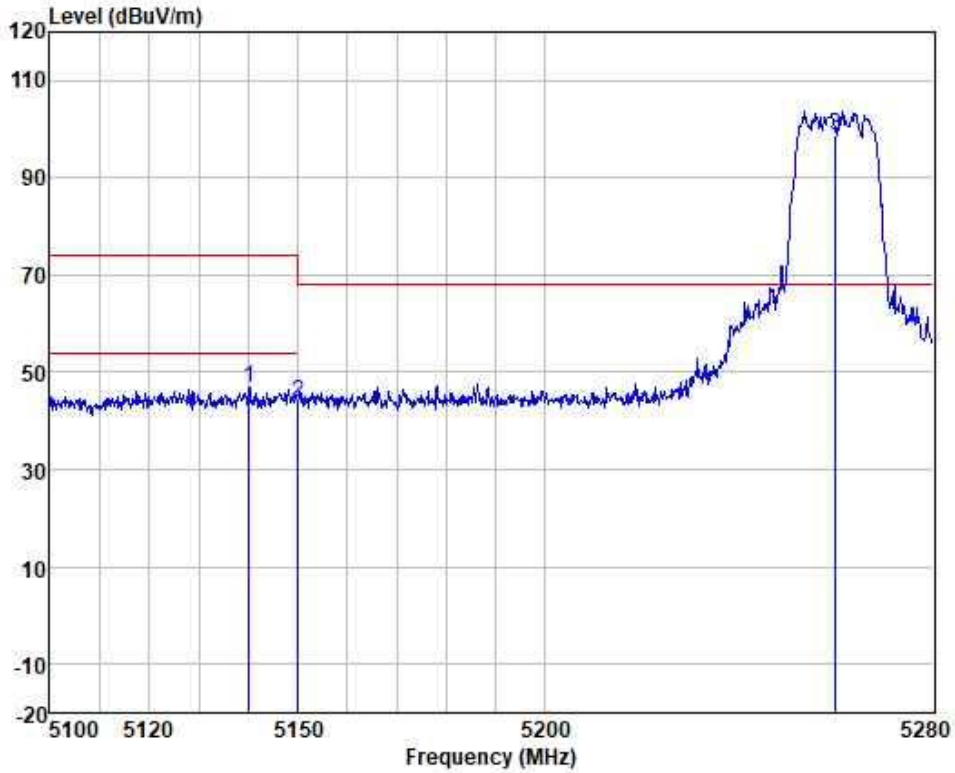
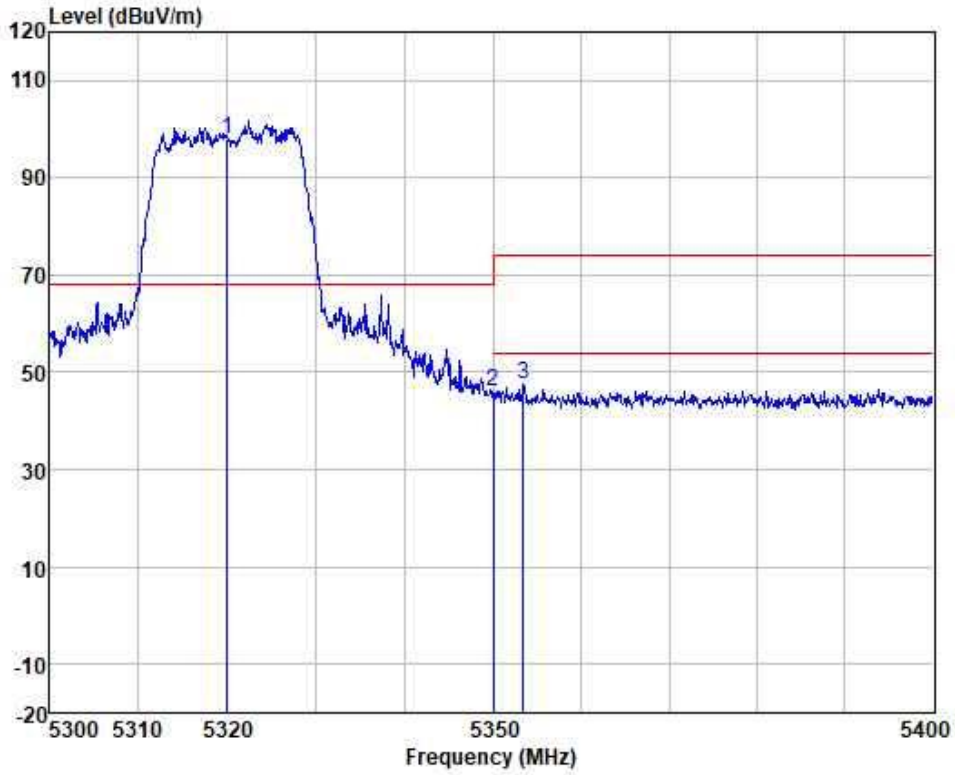
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



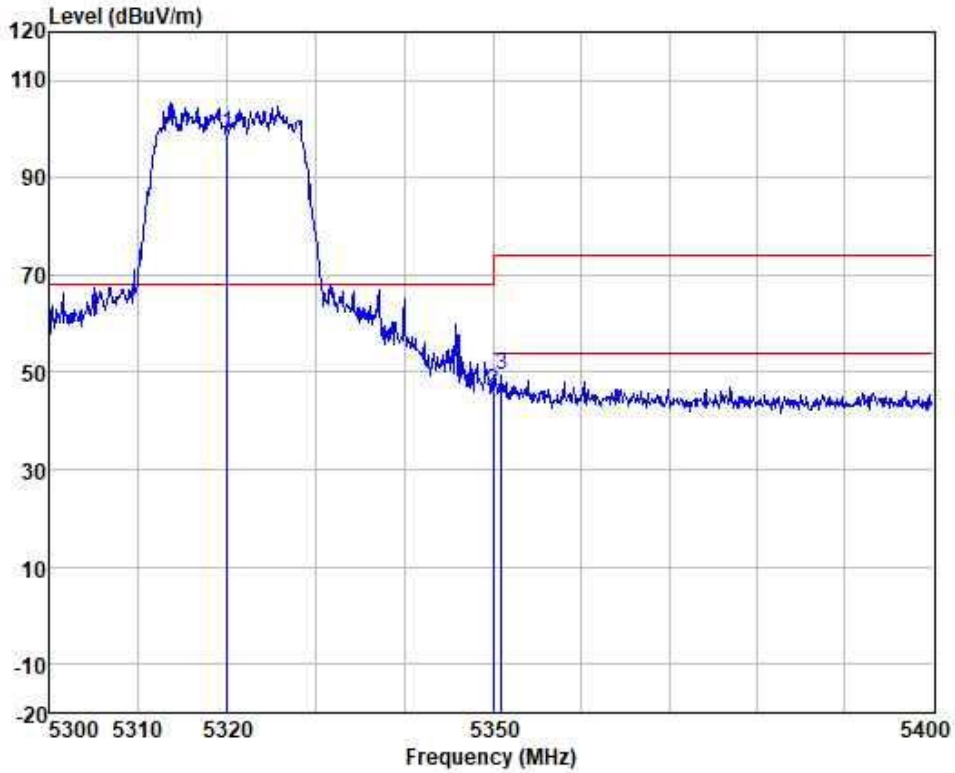
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5140.136	43.91	33.84	5.94	36.73	46.96	74.00	-27.04	HORIZONTAL	peak
2	5150.000	40.86	33.79	5.95	36.73	43.87	68.20	-24.33	HORIZONTAL	peak
3 *	5260.000	96.00	33.38	6.03	36.74	98.67	68.20	30.47	HORIZONTAL	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:high



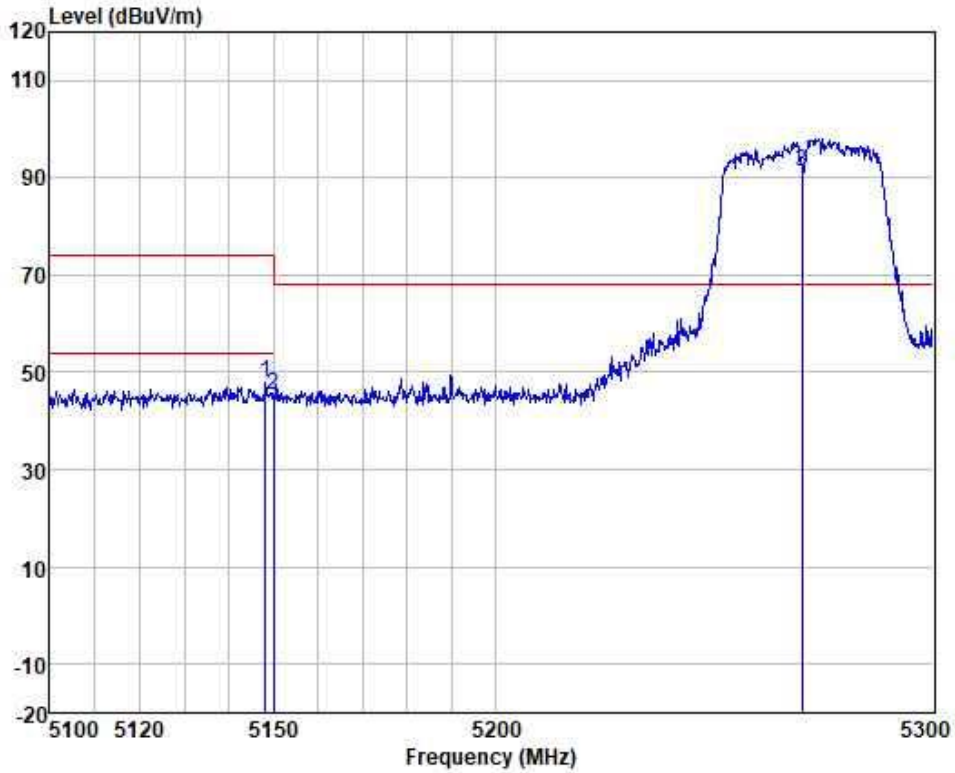
		Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	*	5320.000	95.70	33.11	6.09	36.75	98.15	68.20	29.95	VERTICAL	peak
2		5350.000	43.59	33.00	6.13	36.76	45.96	68.20	-22.24	VERTICAL	peak
3		5353.468	45.11	33.00	6.13	36.76	47.48	74.00	-26.52	VERTICAL	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:high



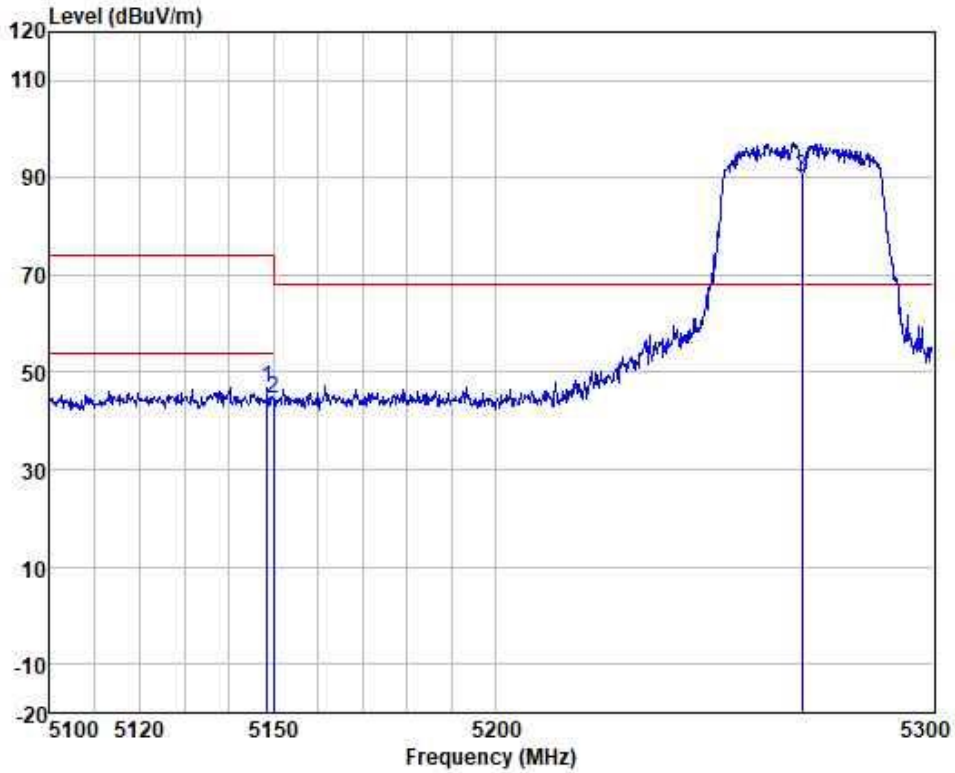
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5320.000	96.72	33.11	6.09	36.75	99.17	68.20	30.97	HORIZONTAL	peak
2	5350.000	43.54	33.00	6.13	36.76	45.91	68.20	-22.29	HORIZONTAL	peak
3	5350.966	47.08	33.00	6.13	36.76	49.45	74.00	-24.55	HORIZONTAL	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:40MHz; Channel:low



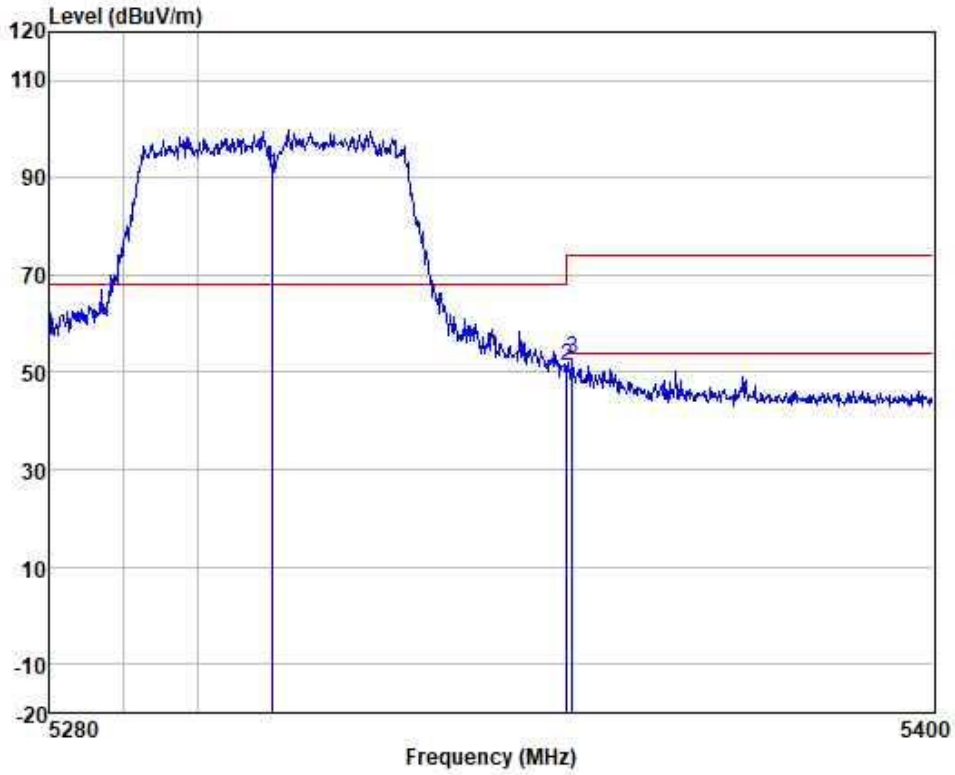
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5148.093	44.75	33.79	5.95	36.73	47.76	74.00	-26.24	VERTICAL	peak
2	5150.000	42.49	33.79	5.95	36.73	45.50	68.20	-22.70	VERTICAL	peak
3 *	5270.000	88.72	33.30	6.05	36.74	91.33	68.20	23.13	VERTICAL	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:40MHz; Channel:low



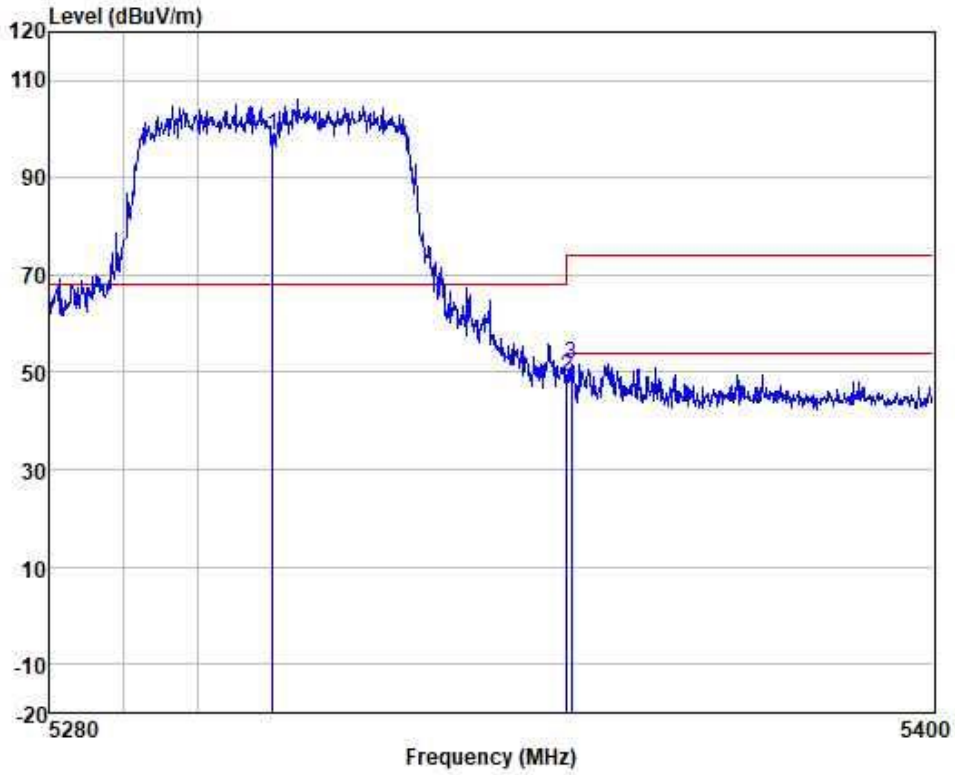
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5148.489	43.99	33.79	5.95	36.73	47.00	74.00	-27.00	HORIZONTAL	peak
2	5150.000	41.69	33.79	5.95	36.73	44.70	68.20	-23.50	HORIZONTAL	peak
3 *	5270.000	87.59	33.30	6.05	36.74	90.20	68.20	22.00	HORIZONTAL	peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:40MHz; Channel:high



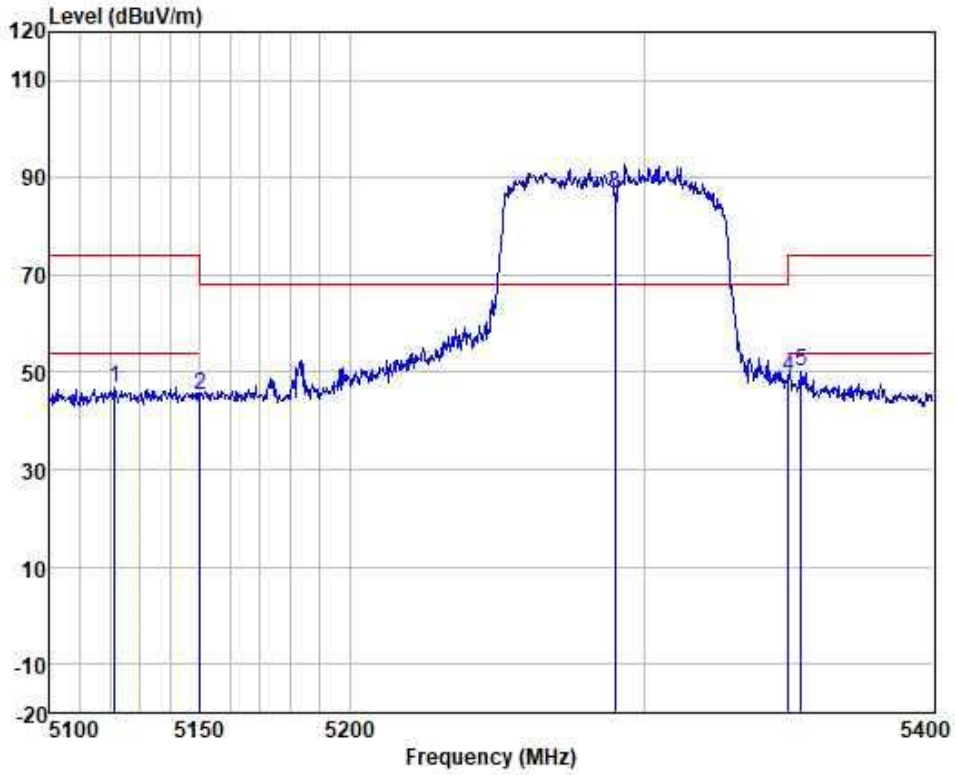
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5310.000	87.95	33.11	6.09	36.75	90.40	68.20	22.20	VERTICAL	peak
2	5350.000	49.04	33.00	6.13	36.76	51.41	68.20	-16.79	VERTICAL	peak
3	5350.714	50.25	33.00	6.13	36.76	52.62	74.00	-21.38	VERTICAL	peak

Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:40MHz; Channel:high



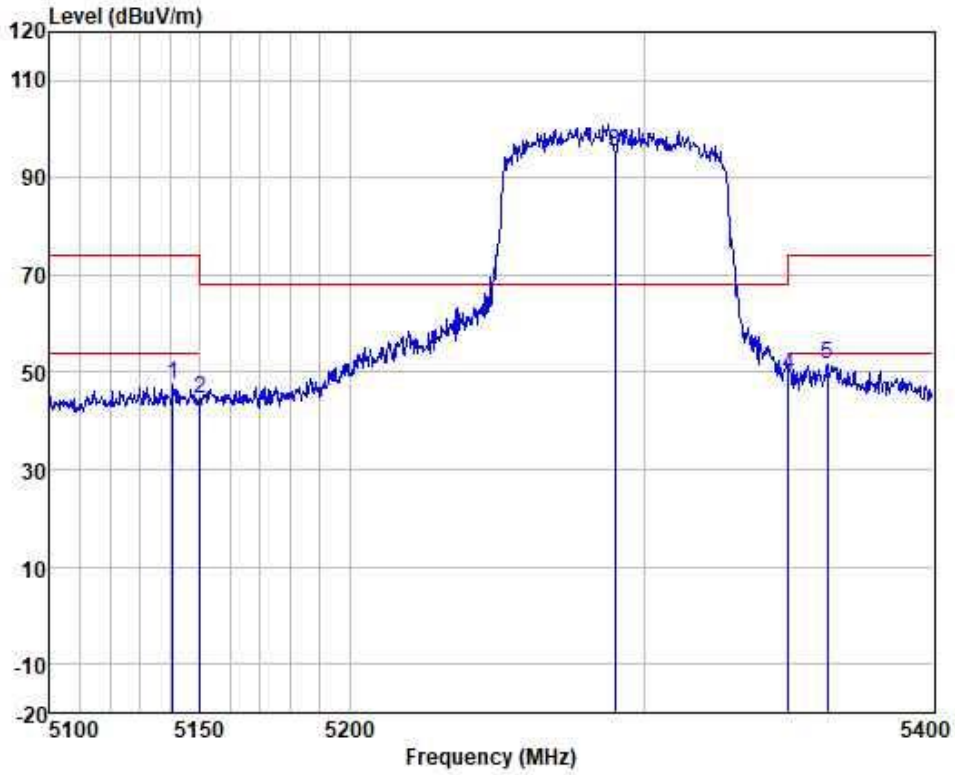
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5310.000	96.12	33.11	6.09	36.75	98.57	68.20	30.37	HORIZONTAL	peak
2	5350.000	46.51	33.00	6.13	36.76	48.88	68.20	-19.32	HORIZONTAL	peak
3	5350.594	49.36	33.00	6.13	36.76	51.73	74.00	-22.27	HORIZONTAL	peak

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



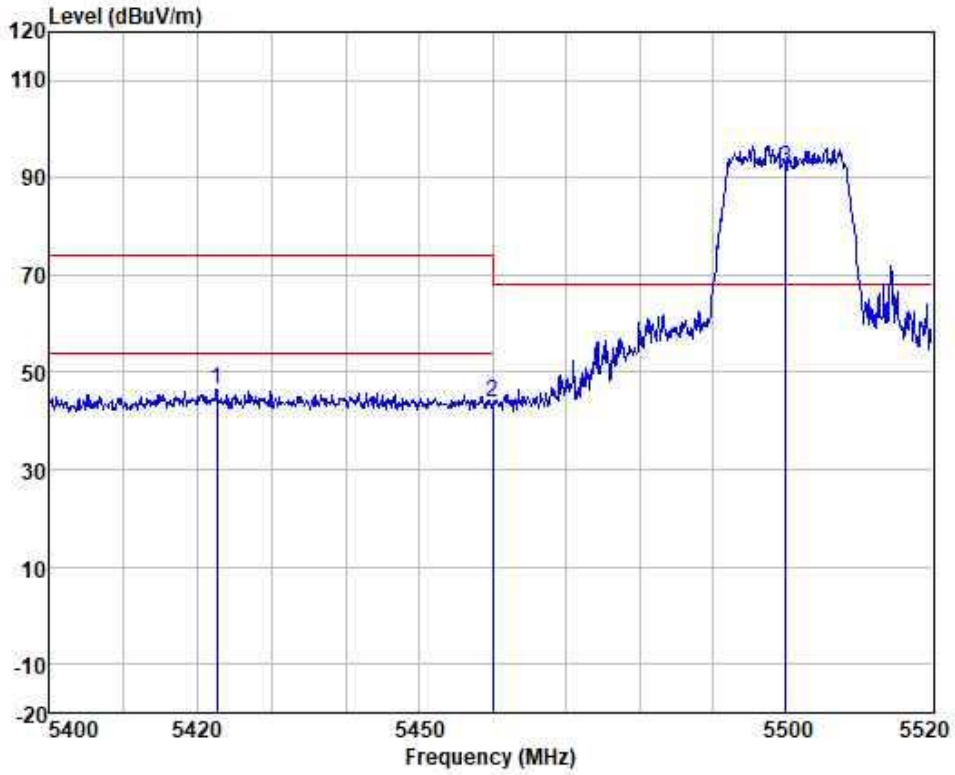
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5121.617	43.73	33.88	5.93	36.73	46.81	74.00	-27.19	VERTICAL	peak
2	5150.000	42.19	33.79	5.95	36.73	45.20	68.20	-23.00	VERTICAL	peak
3 *	5290.000	84.38	33.23	6.06	36.75	86.92	68.20	18.72	VERTICAL	peak
4	5350.000	46.57	33.00	6.13	36.76	48.94	68.20	-19.26	VERTICAL	peak
5	5354.206	47.72	32.95	6.15	36.76	50.06	74.00	-23.94	VERTICAL	peak

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



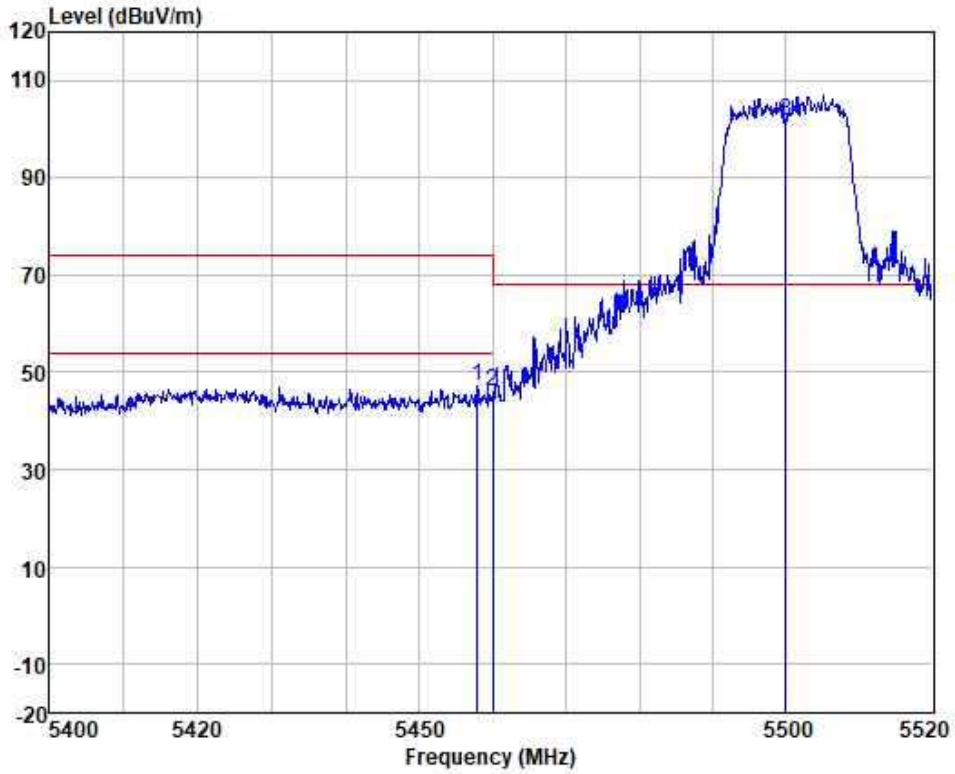
		Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1		5140.681	44.56	33.84	5.94	36.73	47.61	74.00	-26.39	HORIZONTAL	peak
2		5150.000	41.55	33.79	5.95	36.73	44.56	68.20	-23.64	HORIZONTAL	peak
3	*	5290.000	93.00	33.23	6.06	36.75	95.54	68.20	27.34	HORIZONTAL	peak
4		5350.000	47.17	33.00	6.13	36.76	49.54	68.20	-18.66	HORIZONTAL	peak
5		5363.395	49.29	32.95	6.15	36.76	51.63	74.00	-22.37	HORIZONTAL	peak

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



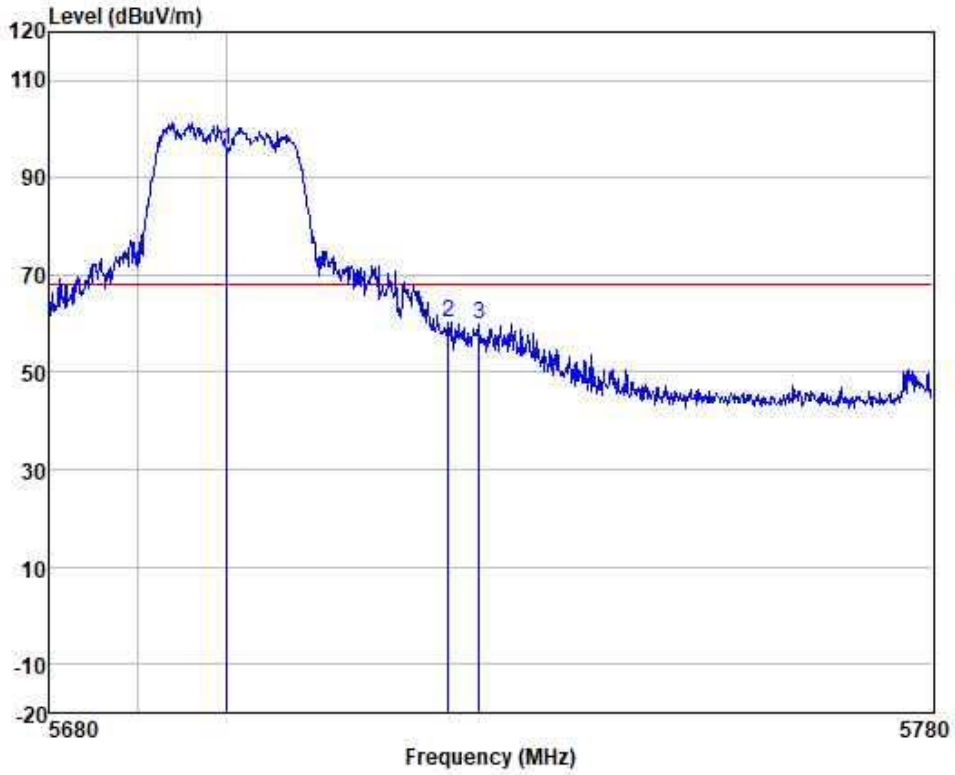
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5422.598	44.23	32.78	6.23	36.76	46.48	74.00	-27.52	VERTICAL	peak
2	5460.000	41.66	32.71	6.29	36.76	43.90	68.20	-24.30	VERTICAL	peak
3 *	5500.000	89.96	32.61	6.38	36.77	92.18	68.20	23.98	VERTICAL	peak

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



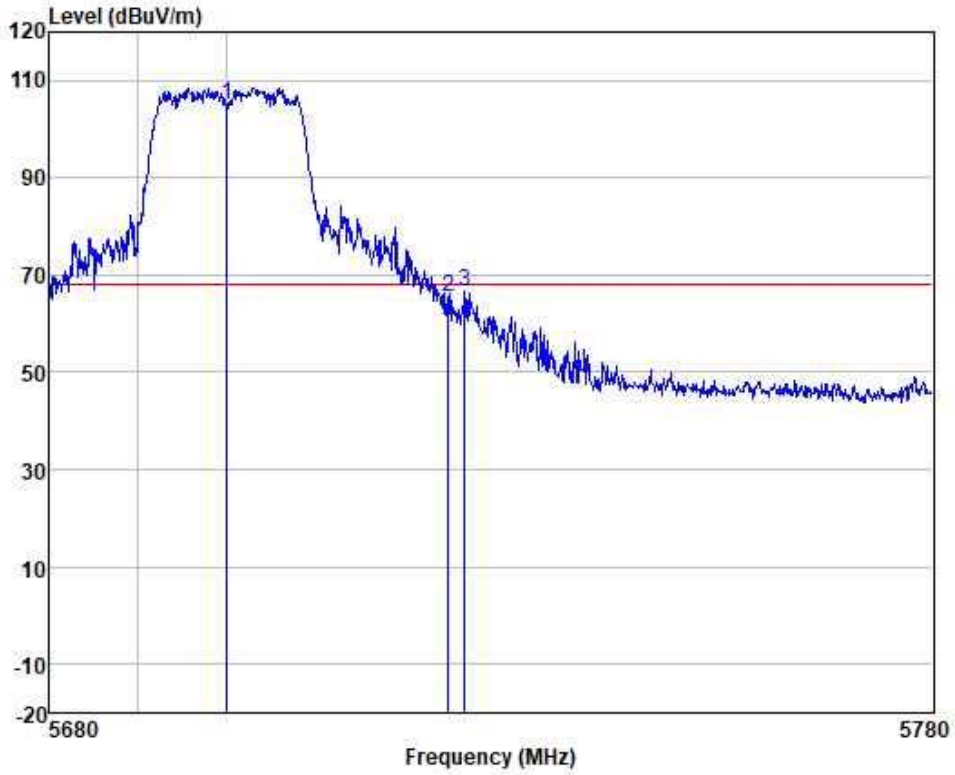
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5457.871	45.00	32.71	6.29	36.76	47.24	74.00	-26.76	HORIZONTAL	peak
2	5460.000	43.70	32.71	6.29	36.76	45.94	68.20	-22.26	HORIZONTAL	peak
3 *	5500.000	99.62	32.61	6.38	36.77	101.84	68.20	33.64	HORIZONTAL	peak

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



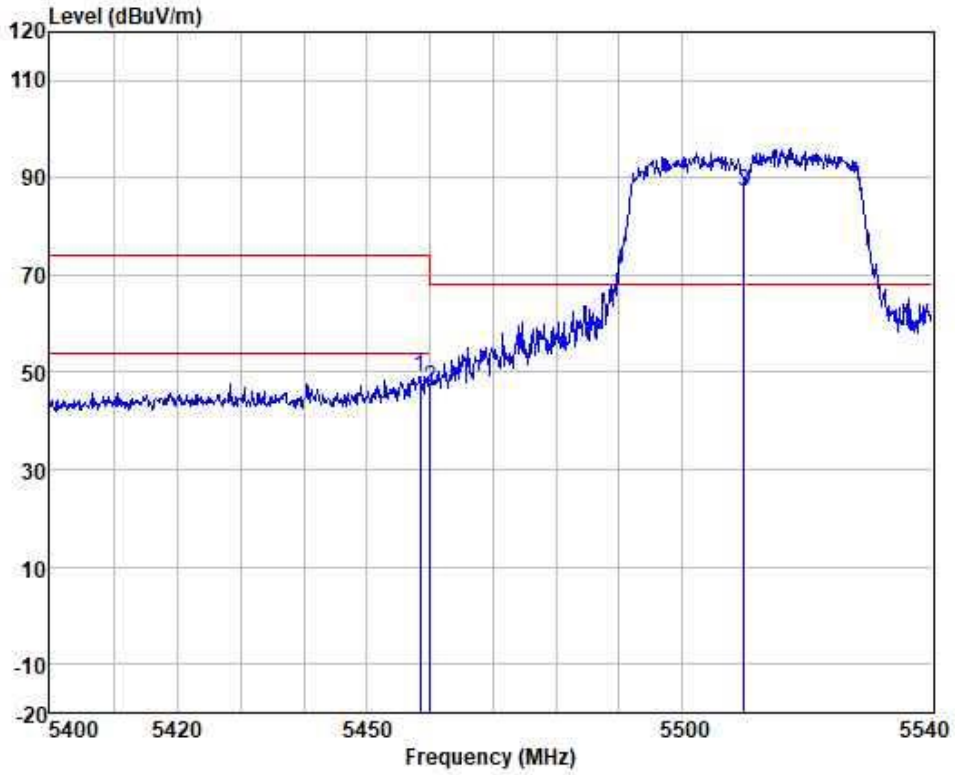
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	93.44	32.64	6.60	36.78	95.90	68.20	27.70	VERTICAL	peak
2	5725.000	57.70	32.65	6.63	36.78	60.20	68.20	-8.00	VERTICAL	peak
3	5728.482	57.36	32.65	6.63	36.78	59.86	68.20	-8.34	VERTICAL	peak

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



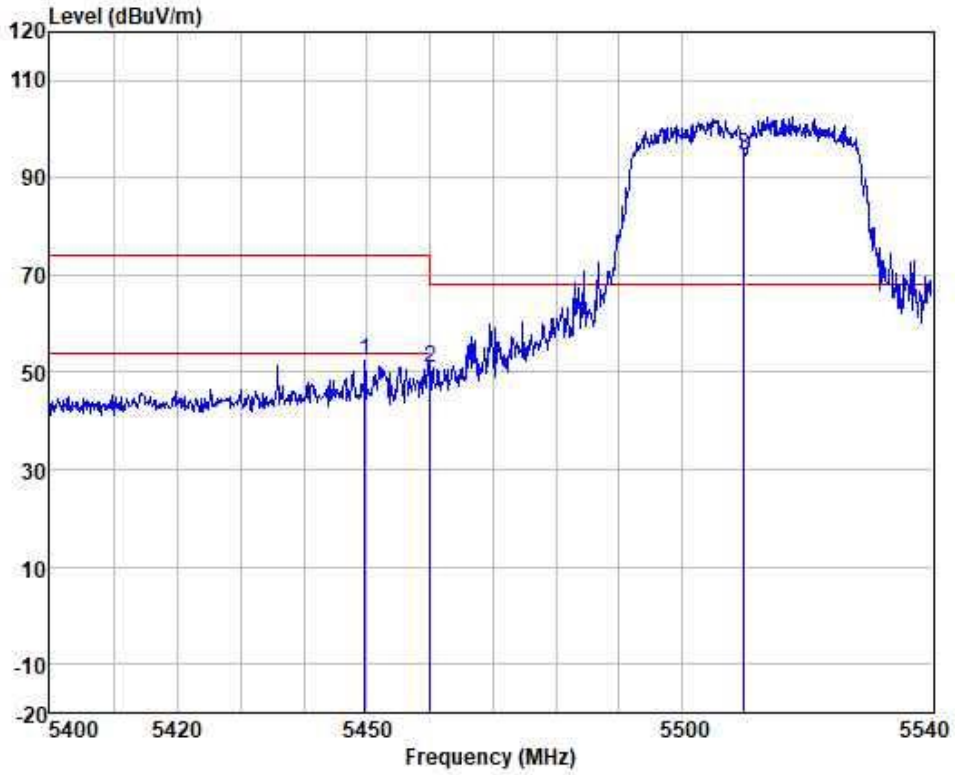
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5700.000	102.50	32.64	6.60	36.78	104.96	68.20	36.76	HORIZONTAL	peak
2	5725.000	62.92	32.65	6.63	36.78	65.42	68.20	-2.78	HORIZONTAL	peak
3	5726.883	64.25	32.65	6.63	36.78	66.75	68.20	-1.45	HORIZONTAL	peak

Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:40MHz; Channel:low



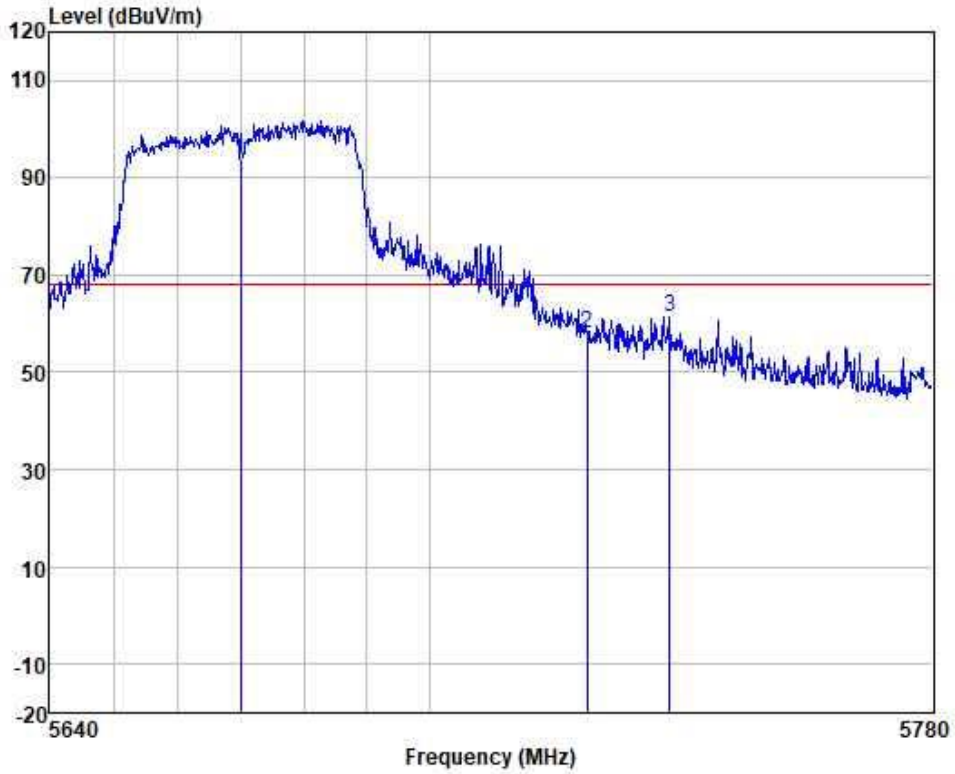
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5458.364	46.97	32.71	6.29	36.76	49.21	74.00	-24.79	VERTICAL	peak
2	5460.000	44.56	32.71	6.29	36.76	46.80	68.20	-21.40	VERTICAL	peak
3 *	5510.000	85.08	32.61	6.38	36.77	87.30	68.20	19.10	VERTICAL	peak

Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:40MHz; Channel:low



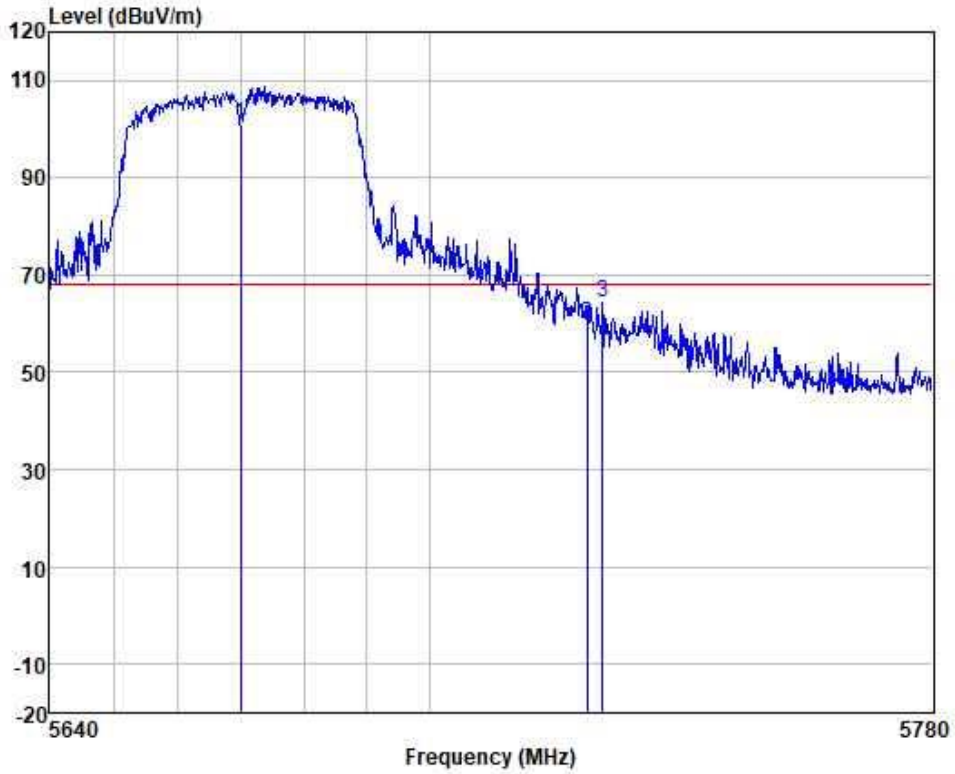
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5449.708	50.04	32.71	6.29	36.76	52.28	74.00	-21.72	HORIZONTAL	peak
2	5460.000	48.87	32.71	6.29	36.76	51.11	68.20	-17.09	HORIZONTAL	peak
3 *	5510.000	92.34	32.61	6.38	36.77	94.56	68.20	26.36	HORIZONTAL	peak

Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:40MHz; Channel:high



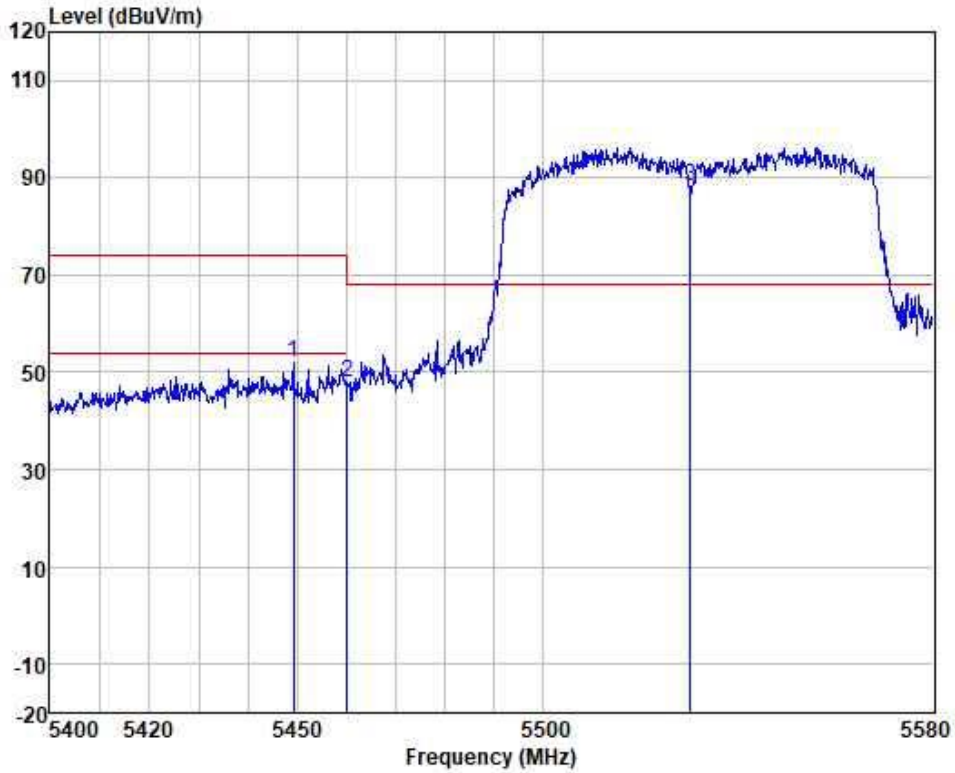
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	91.54	32.64	6.57	36.78	93.97	68.20	25.77	VERTICAL	peak
2	5725.000	55.38	32.65	6.63	36.78	57.88	68.20	-10.32	VERTICAL	peak
3	5738.061	58.75	32.65	6.63	36.79	61.24	68.20	-6.96	VERTICAL	peak

Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:40MHz; Channel:high



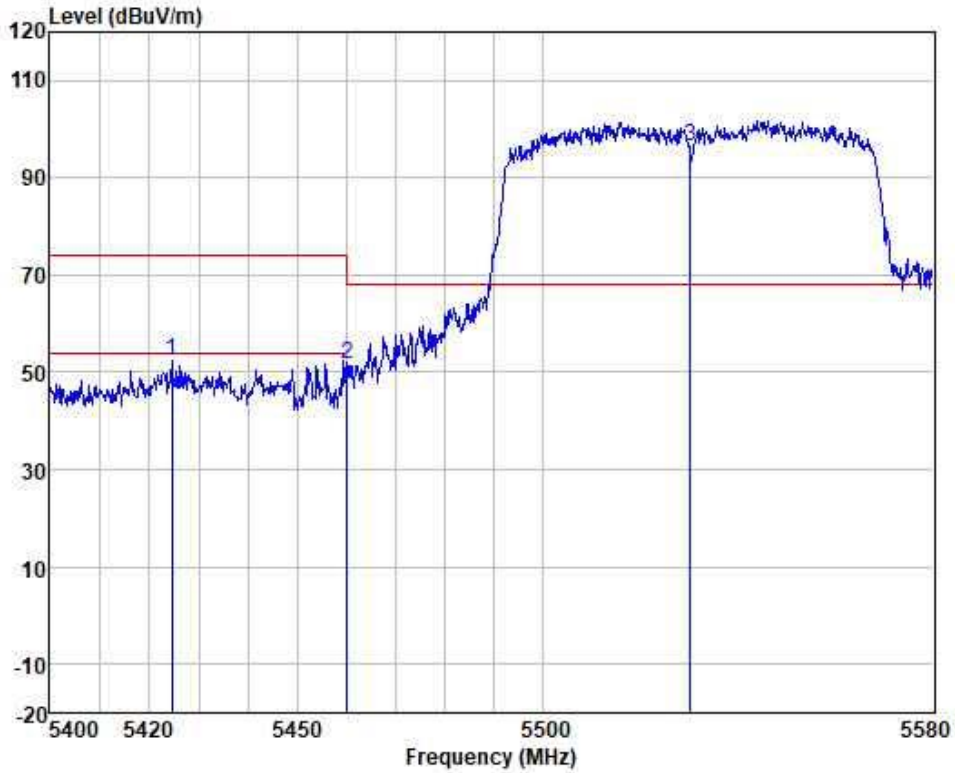
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5670.000	98.41	32.64	6.57	36.78	100.84	68.20	32.64	HORIZONTAL	peak
2	5725.000	57.50	32.65	6.63	36.78	60.00	68.20	-8.20	HORIZONTAL	peak
3	5727.378	61.91	32.65	6.63	36.78	64.41	68.20	-3.79	HORIZONTAL	peak

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



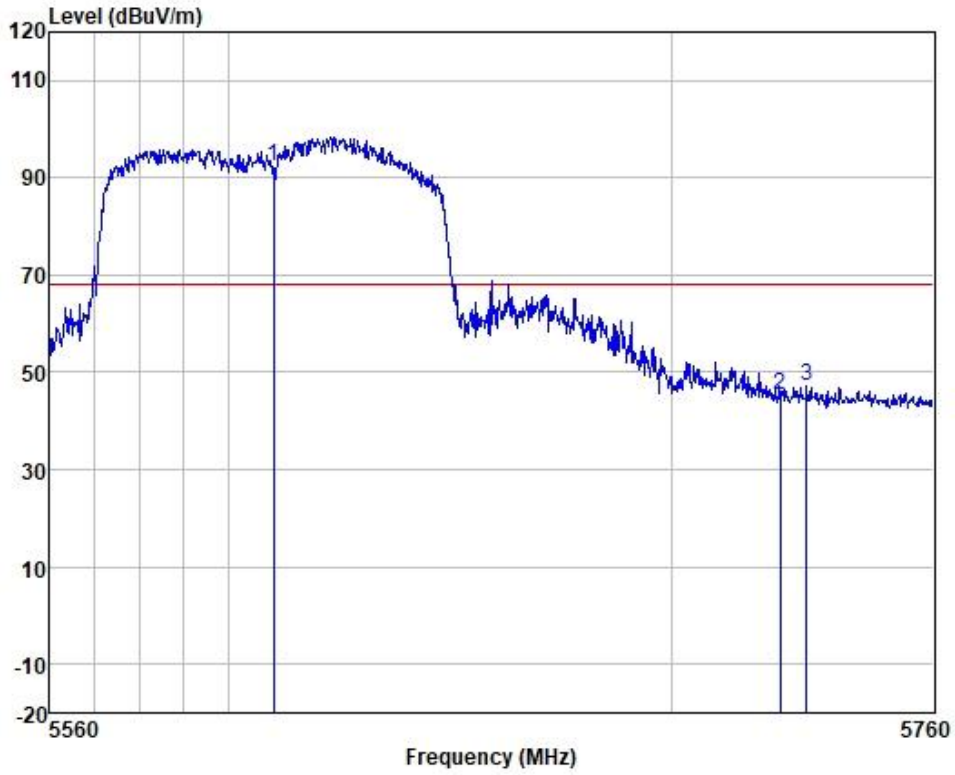
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5449.092	49.78	32.71	6.29	36.76	52.02	74.00	-21.98	VERTICAL	peak
2	5460.000	45.54	32.71	6.29	36.76	47.78	68.20	-20.42	VERTICAL	peak
3 *	5530.000	86.02	32.61	6.43	36.77	88.29	68.20	20.09	VERTICAL	peak

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



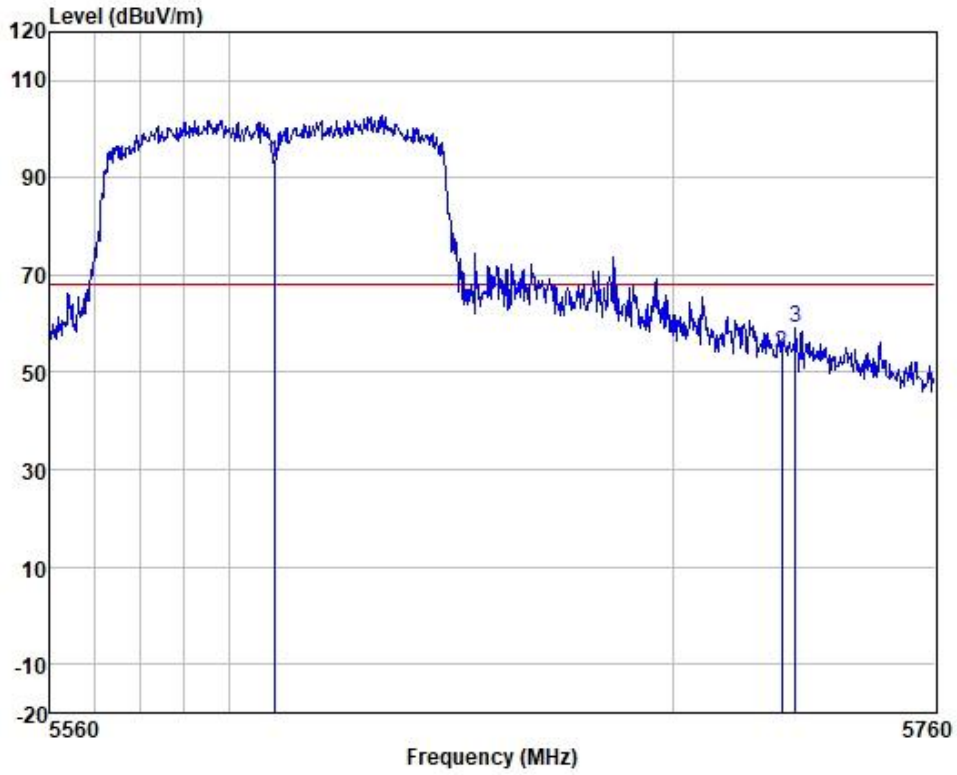
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5424.490	50.17	32.78	6.23	36.76	52.42	74.00	-21.58	HORIZONTAL	peak
2	5460.000	49.30	32.71	6.29	36.76	51.54	68.20	-16.66	HORIZONTAL	peak
3 *	5530.000	94.10	32.61	6.43	36.77	96.37	68.20	28.17	HORIZONTAL	peak

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



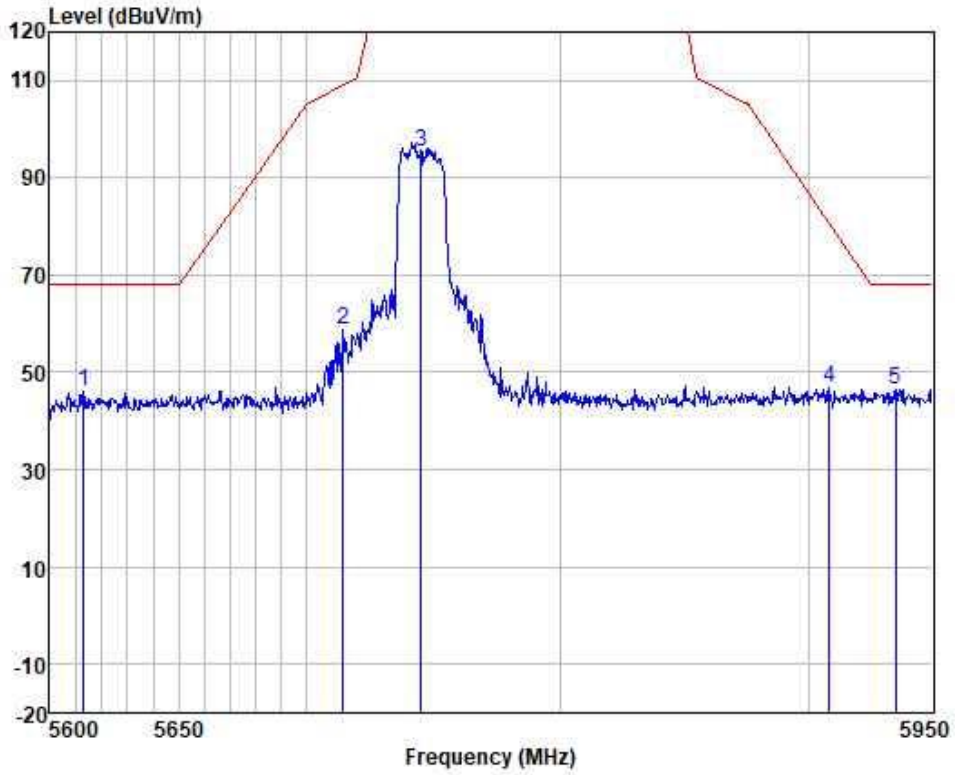
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	90.06	32.63	6.53	36.78	92.44	68.20	24.24	VERTICAL	peak
2	5725.000	42.84	32.65	6.63	36.78	45.34	68.20	-22.86	VERTICAL	peak
3	5730.965	44.85	32.65	6.63	36.79	47.34	68.20	-20.86	VERTICAL	peak

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



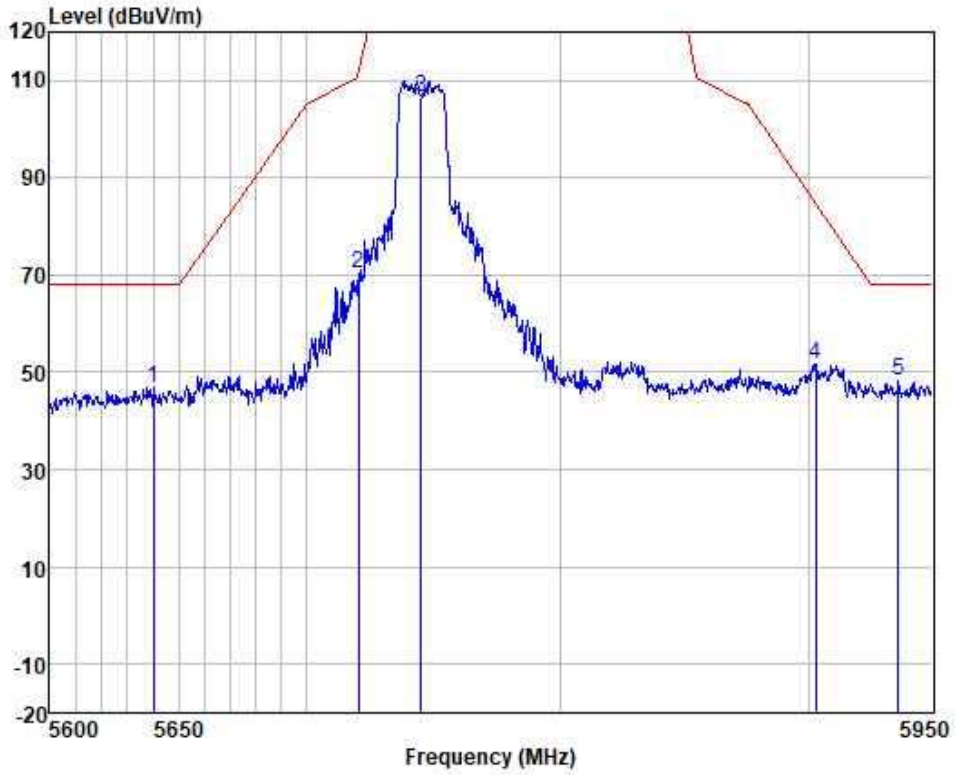
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	90.73	32.63	6.53	36.78	93.11	68.20	24.91	HORIZONTAL	peak
2	5725.000	51.27	32.65	6.63	36.78	53.77	68.20	-14.43	HORIZONTAL	peak
3	5728.130	56.56	32.65	6.63	36.78	59.06	68.20	-9.14	HORIZONTAL	peak

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



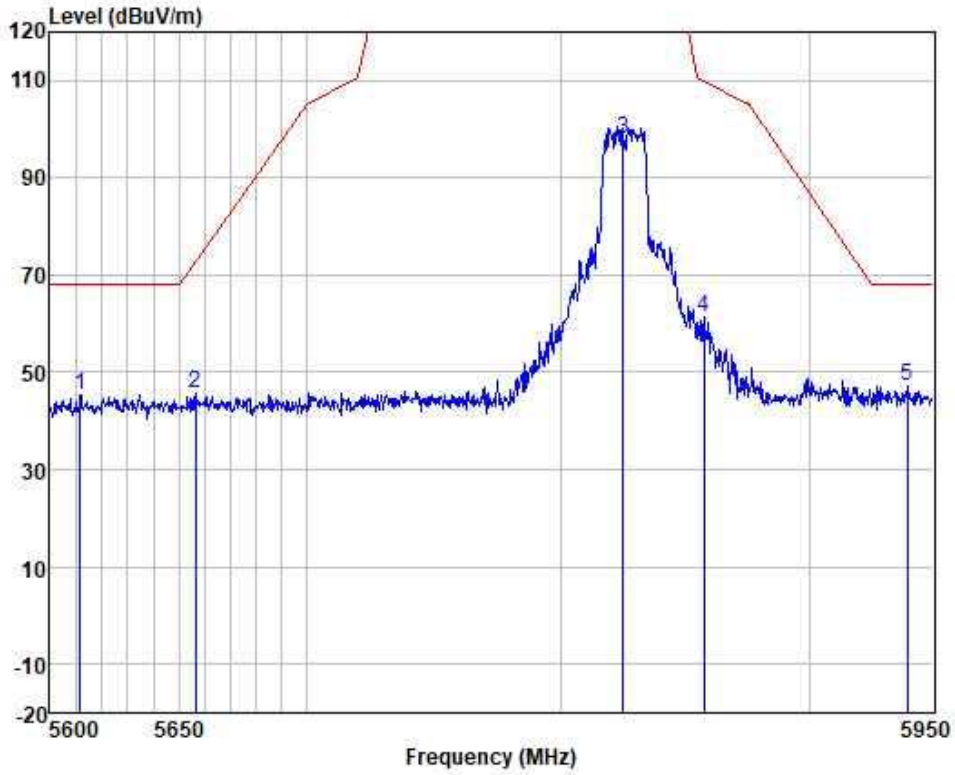
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5613.256	43.72	32.63	6.53	36.78	46.10	68.20	-22.10	VERTICAL	peak
2	5714.202	56.16	32.65	6.61	36.78	58.64	109.18	-50.54	VERTICAL	peak
3	5745.000	92.72	32.65	6.64	36.79	95.22	125.20	-29.98	VERTICAL	peak
4	5908.304	44.35	32.69	6.74	36.79	46.99	80.54	-33.55	VERTICAL	peak
5	5935.229	43.87	32.69	6.75	36.80	46.51	68.20	-21.69	VERTICAL	peak

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



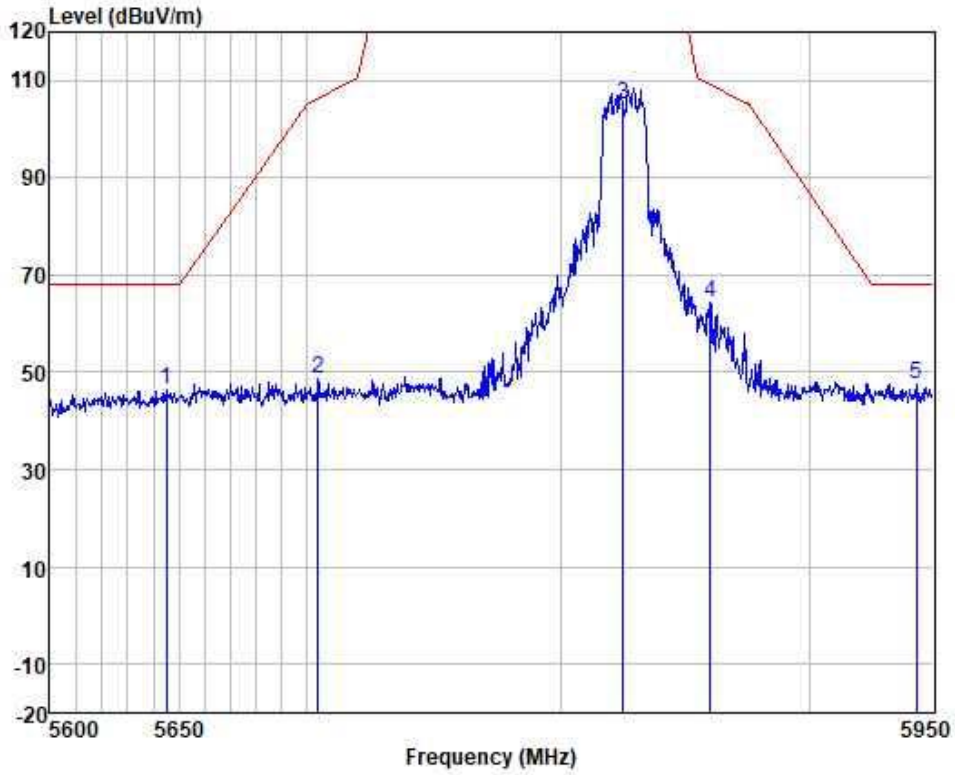
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5640.205	44.34	32.63	6.56	36.78	46.75	68.20	-21.45	HORIZONTAL	peak
2	5720.094	68.05	32.65	6.61	36.78	70.53	111.01	-40.48	HORIZONTAL	peak
3	5745.000	103.94	32.65	6.64	36.79	106.44	125.20	-18.76	HORIZONTAL	peak
4	5902.933	49.08	32.69	6.73	36.79	51.71	84.52	-32.81	HORIZONTAL	peak
5	5936.309	45.79	32.69	6.75	36.80	48.43	68.20	-19.77	HORIZONTAL	peak

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



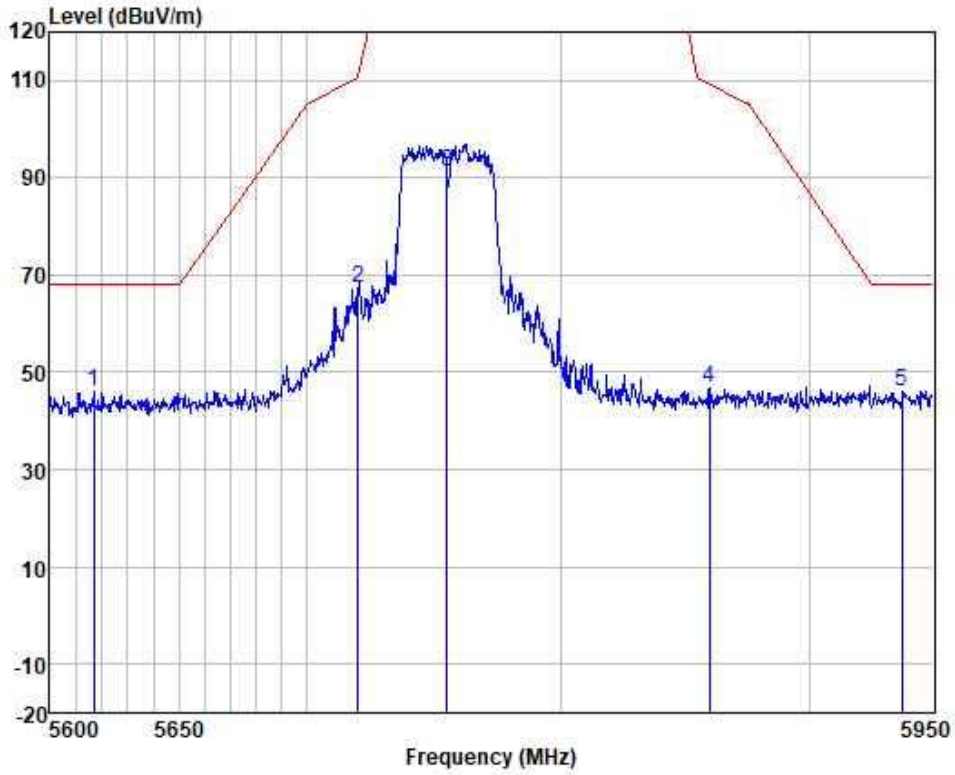
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5611.895	42.94	32.63	6.53	36.78	45.32	68.20	-22.88	VERTICAL	peak
2	5656.298	43.24	32.63	6.56	36.78	45.65	72.88	-27.23	VERTICAL	peak
3	5825.000	95.34	32.67	6.69	36.79	97.91	125.20	-27.29	VERTICAL	peak
4	5857.304	58.93	32.68	6.71	36.79	61.53	110.15	-48.62	VERTICAL	peak
5	5939.909	44.61	32.69	6.75	36.80	47.25	68.20	-20.95	VERTICAL	peak

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



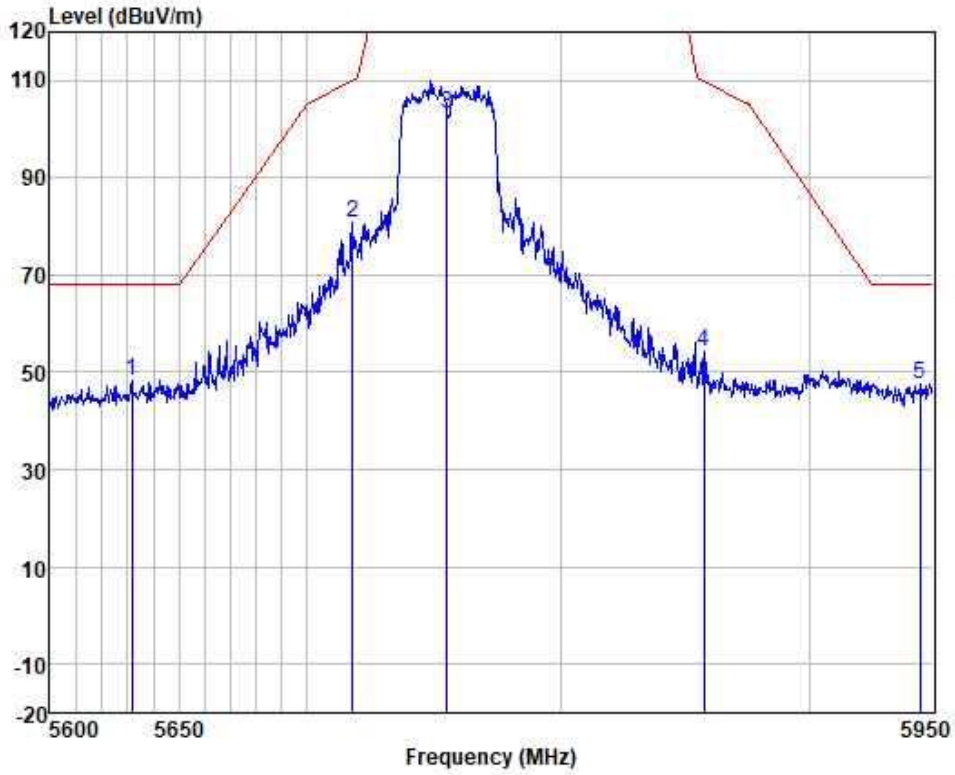
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.994	43.92	32.63	6.56	36.78	46.33	68.20	-21.87	HORIZONTAL	peak
2	5704.164	46.18	32.64	6.60	36.78	48.64	106.37	-57.73	HORIZONTAL	peak
3	5825.000	102.50	32.67	6.69	36.79	105.07	125.20	-20.13	HORIZONTAL	peak
4	5859.790	61.65	32.68	6.71	36.79	64.25	109.46	-45.21	HORIZONTAL	peak
5	5943.511	44.87	32.69	6.76	36.80	47.52	68.20	-20.68	HORIZONTAL	peak

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



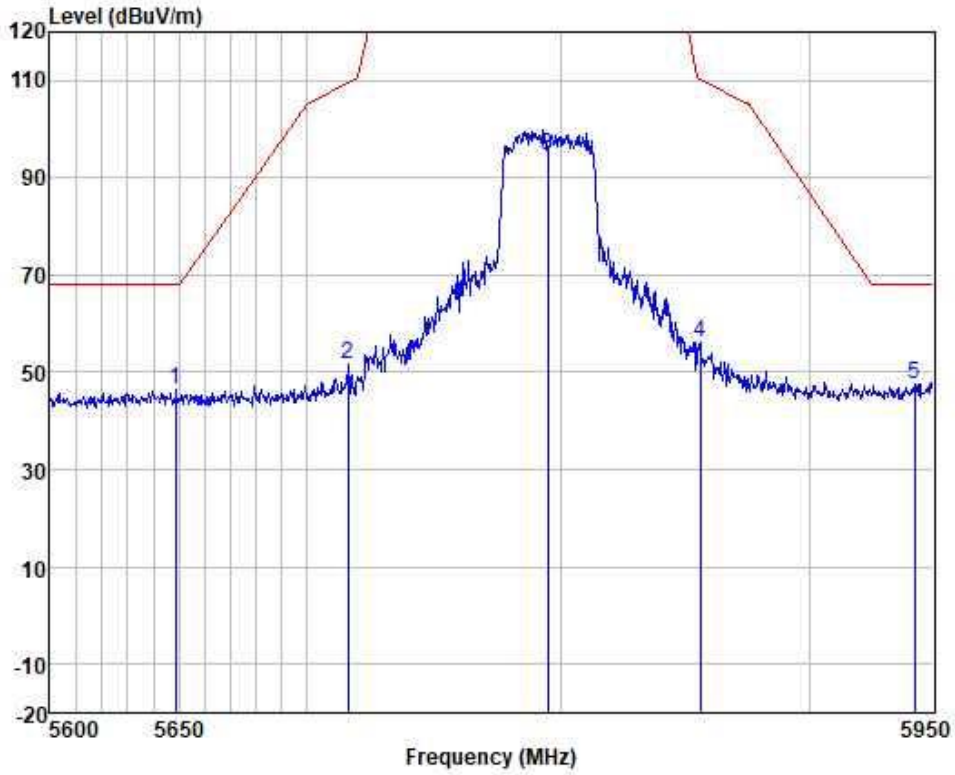
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5617.000	43.80	32.63	6.53	36.78	46.18	68.20	-22.02	VERTICAL	peak
2	5719.747	64.96	32.65	6.61	36.78	67.44	110.73	-43.29	VERTICAL	peak
3	5755.000	88.77	32.65	6.64	36.79	91.27	125.20	-33.93	VERTICAL	peak
4	5859.435	44.18	32.68	6.71	36.79	46.78	109.56	-62.78	VERTICAL	peak
5	5937.748	43.36	32.69	6.75	36.80	46.00	68.20	-22.20	VERTICAL	peak

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



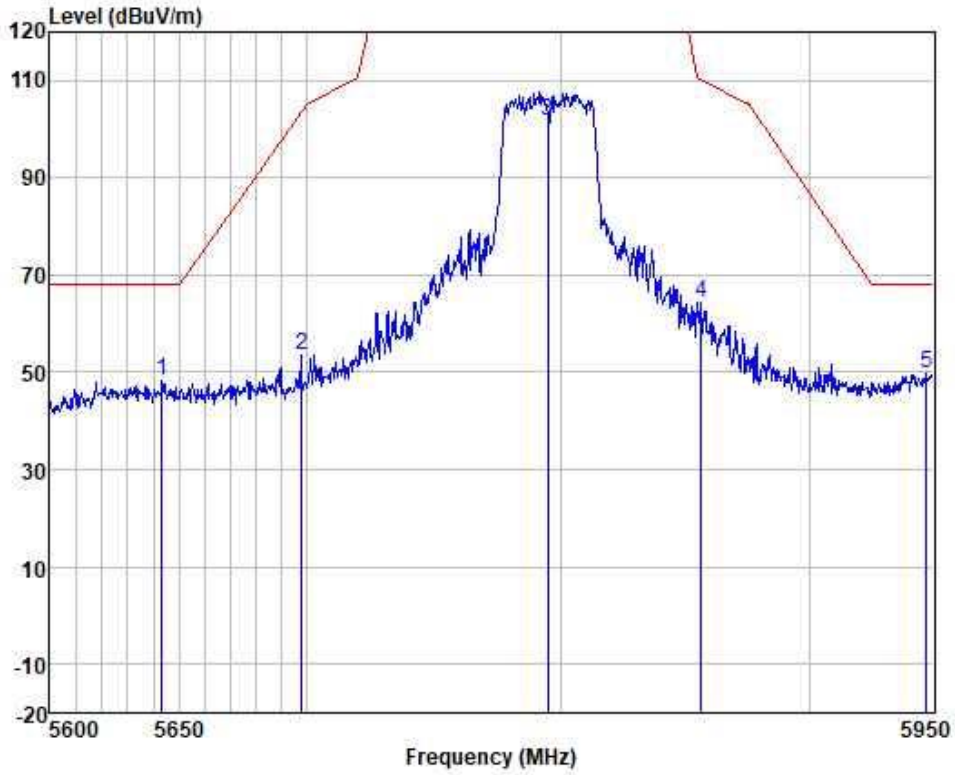
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5631.663	45.83	32.63	6.54	36.78	48.22	68.20	-19.98	HORIZONTAL	peak
2	5717.667	78.26	32.65	6.61	36.78	80.74	110.15	-29.41	HORIZONTAL	peak
3	5755.000	100.86	32.65	6.64	36.79	103.36	125.20	-21.84	HORIZONTAL	peak
4	5857.304	51.62	32.68	6.71	36.79	54.22	110.15	-55.93	HORIZONTAL	peak
5	5944.952	45.09	32.69	6.76	36.80	47.74	68.20	-20.46	HORIZONTAL	peak

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



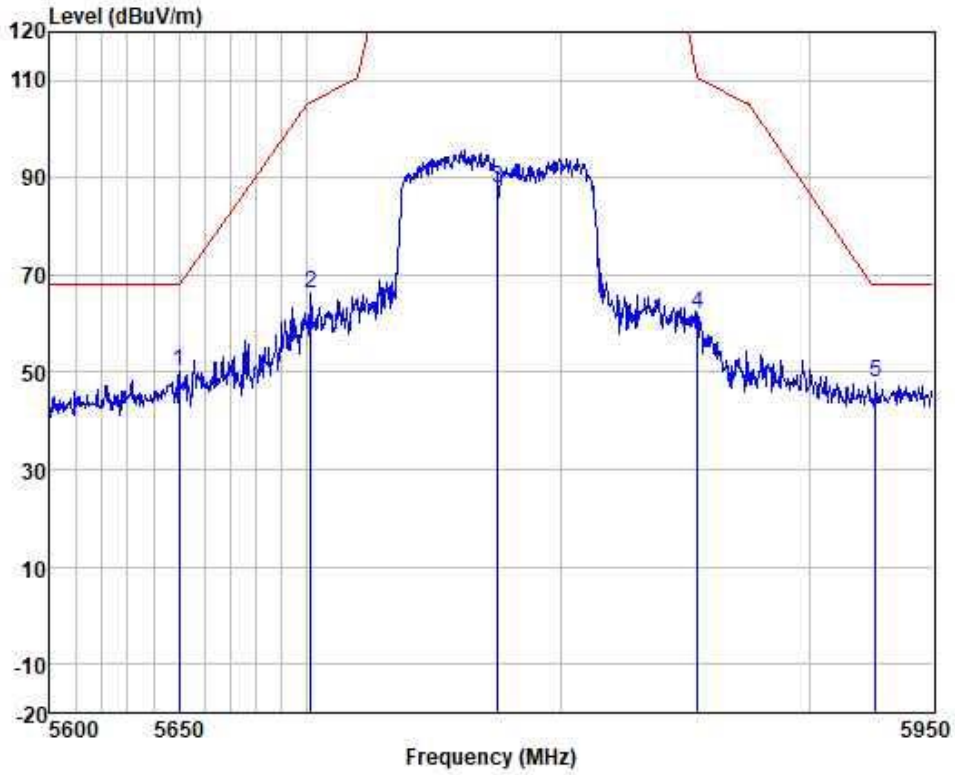
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5648.759	44.14	32.63	6.56	36.78	46.55	68.20	-21.65	VERTICAL	peak
2	5715.934	49.28	32.65	6.61	36.78	51.76	109.66	-57.90	VERTICAL	peak
3	5795.000	91.93	32.67	6.67	36.79	94.48	125.20	-30.72	VERTICAL	peak
4	5855.884	53.73	32.68	6.70	36.79	56.32	110.55	-54.23	VERTICAL	peak
5	5942.790	45.07	32.69	6.76	36.80	47.72	68.20	-20.48	VERTICAL	peak

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



	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5643.283	46.04	32.63	6.56	36.78	48.45	68.20	-19.75	HORIZONTAL	peak
2	5697.598	51.13	32.64	6.60	36.78	53.59	103.43	-49.84	HORIZONTAL	peak
3	5795.000	99.21	32.67	6.67	36.79	101.76	125.20	-23.44	HORIZONTAL	peak
4	5856.239	61.94	32.68	6.71	36.79	64.54	110.45	-45.91	HORIZONTAL	peak
5	5947.476	47.01	32.69	6.76	36.80	49.66	68.20	-18.54	HORIZONTAL	peak

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



	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	5650.129	47.65	32.63	6.56	36.78	50.06	68.30	-18.24	VERTICAL	peak
2	5701.398	63.60	32.64	6.60	36.78	66.06	105.59	-39.53	VERTICAL	peak
3	5775.000	85.21	32.66	6.66	36.79	87.74	125.20	-37.46	VERTICAL	peak
4	5854.819	59.37	32.68	6.70	36.79	61.96	111.21	-49.25	VERTICAL	peak
5	5926.959	45.18	32.69	6.75	36.80	47.82	68.20	-20.38	VERTICAL	peak

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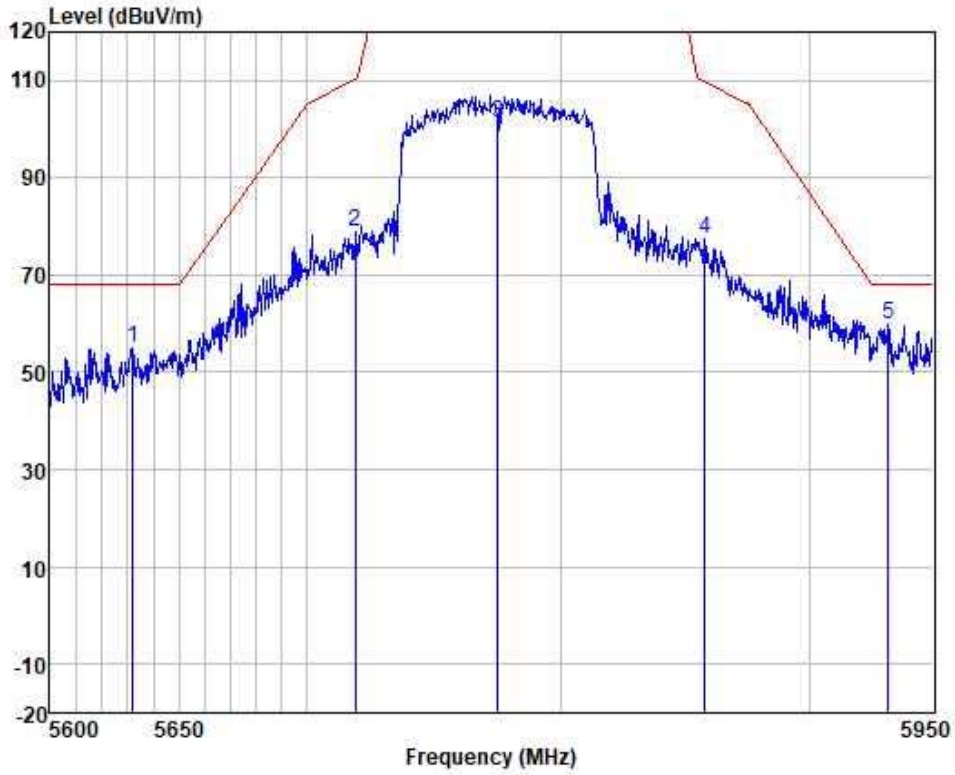
中国・广东・广州高新技术产业开发区科学城科珠路198号 邮编：510663 t (86-20) 82155555 sgs.china@sgs.com

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



	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	5632.004	52.82	32.63	6.54	36.78	55.21	68.20	-12.99	HORIZONTAL	peak
2	5718.707	76.35	32.65	6.61	36.78	78.83	110.44	-31.61	HORIZONTAL	peak
3	5775.000	98.82	32.66	6.66	36.79	101.35	125.20	-23.85	HORIZONTAL	peak
4	5857.659	74.84	32.68	6.71	36.79	77.44	110.05	-32.61	HORIZONTAL	peak
5	5931.992	57.38	32.69	6.75	36.80	60.02	68.20	-8.18	HORIZONTAL	peak

7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1
Test Method: KDB 789033 II B 1

7.6.1 E.U.T. Operation

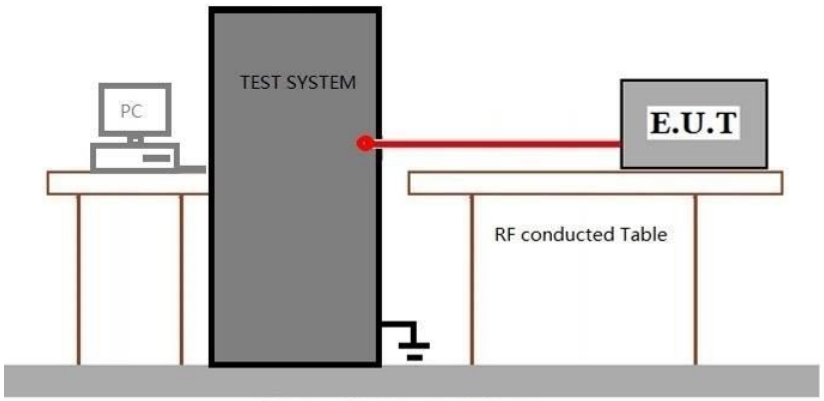
Operating Environment:

Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

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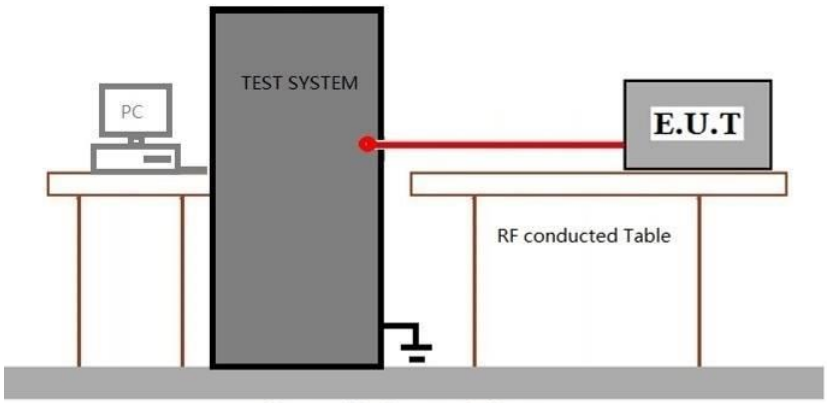
7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

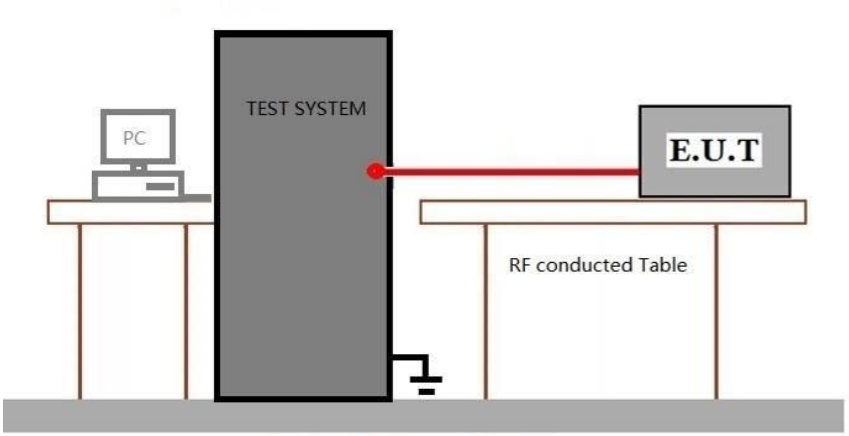
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.9.1 E.U.T. Operation

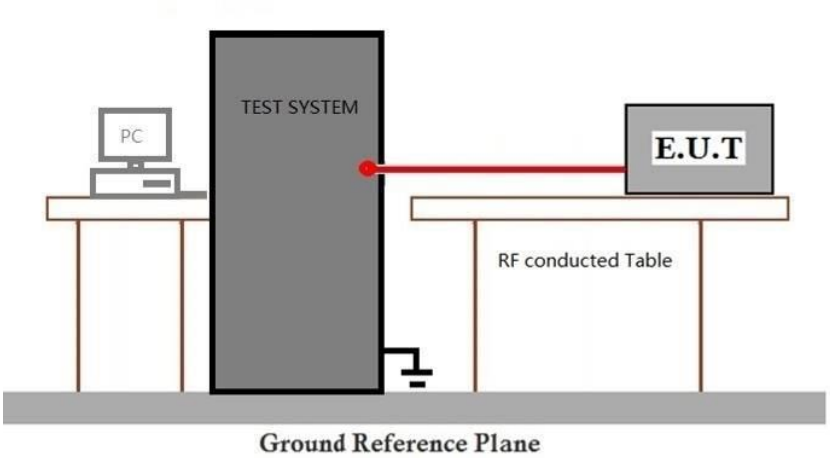
Operating Environment:

Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

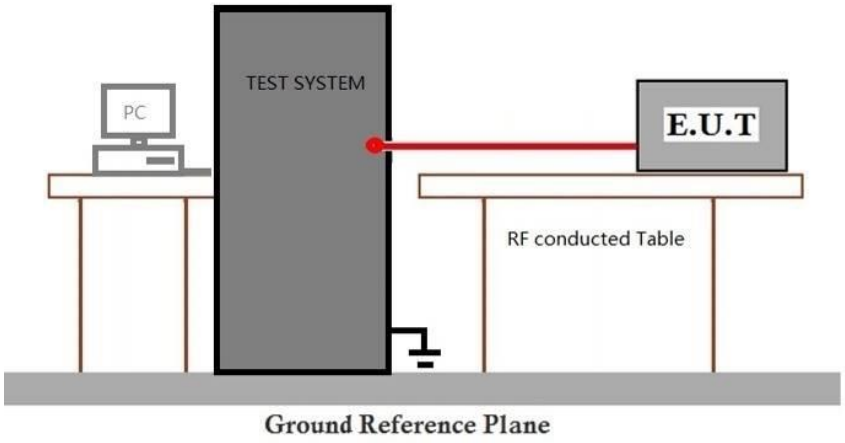
Operating Environment:

Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

7.11.1 E.U.T. Operation

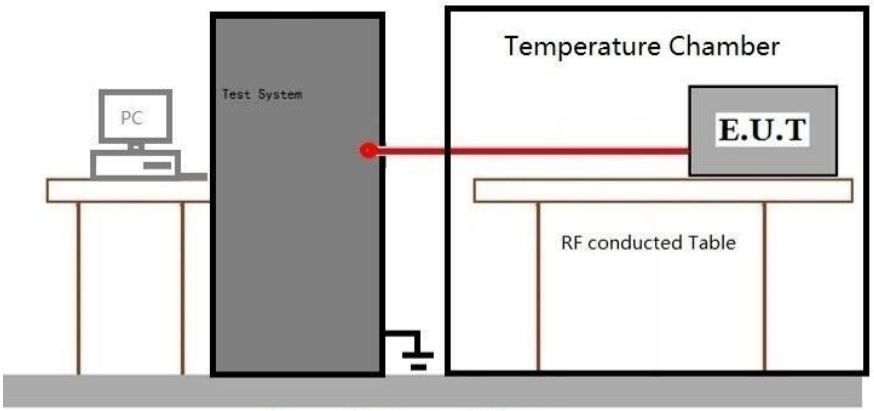
Operating Environment:

Temperature: 21.2 °C Humidity: 67.4 % RH Atmospheric Pressure: 1004 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix – Test Setup Photos for GZCR240600074906

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2406000749HS

10 Appendix

1. Duty Cycle

1.1 Test Result

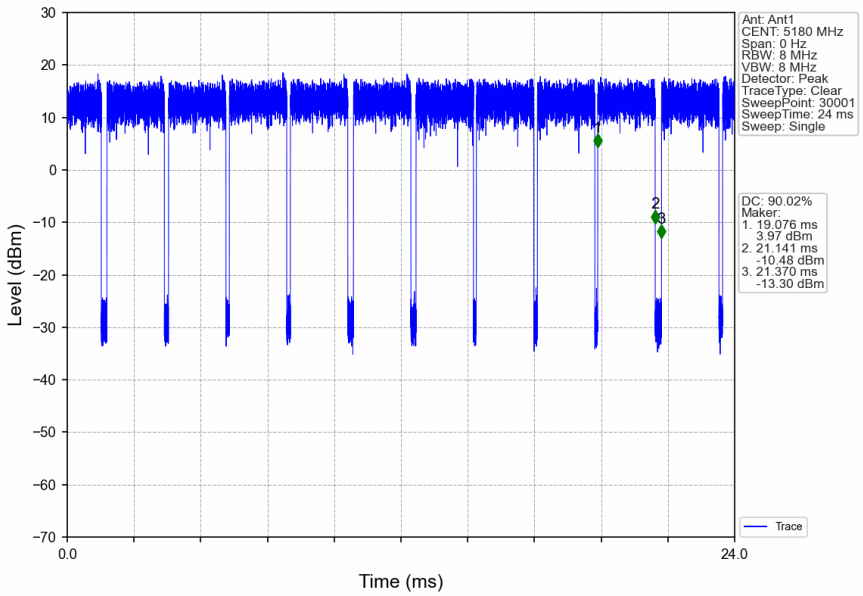
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.065	2.294	90.02	0.46	5.21
		5200	2.064	2.294	89.97	0.46	5.21
		5240	2.065	2.295	89.98	0.46	5.25
		5260	2.065	2.286	90.33	0.44	4.87
		5300	2.065	2.295	89.98	0.46	5.63
		5320	2.066	2.278	90.69	0.42	4.51
		5500	2.065	2.295	89.98	0.46	5.64
		5580	2.065	2.294	90.02	0.46	5.64
		5700	2.065	2.295	89.98	0.46	4.83
		5745	2.065	2.295	89.98	0.46	5.25
		5785	2.064	2.295	89.93	0.46	5.67
		5825	2.065	2.276	90.73	0.42	4.48
802.11n (HT40)	SISO	5190	0.944	1.174	80.41	0.95	8.92
		5230	0.945	1.166	81.05	0.91	8.30
		5270	0.944	1.175	80.34	0.95	3.22
		5310	0.945	1.157	81.68	0.88	9.16
		5510	0.944	1.175	80.34	0.95	10.47
		5550	0.946	1.175	80.51	0.94	6.66
		5670	0.946	1.175	80.51	0.94	8.93
		5755	0.945	1.157	81.68	0.88	8.43
		5795	0.945	1.175	80.43	0.95	8.90
802.11ac (VHT80)	SISO	5210	0.462	0.706	65.44	1.84	14.21
		5290	0.462	0.715	64.62	1.90	13.82
		5530	0.461	0.715	64.48	1.91	13.82
		5610	0.462	0.688	67.15	1.73	8.96
		5775	0.462	0.697	66.28	1.79	9.83

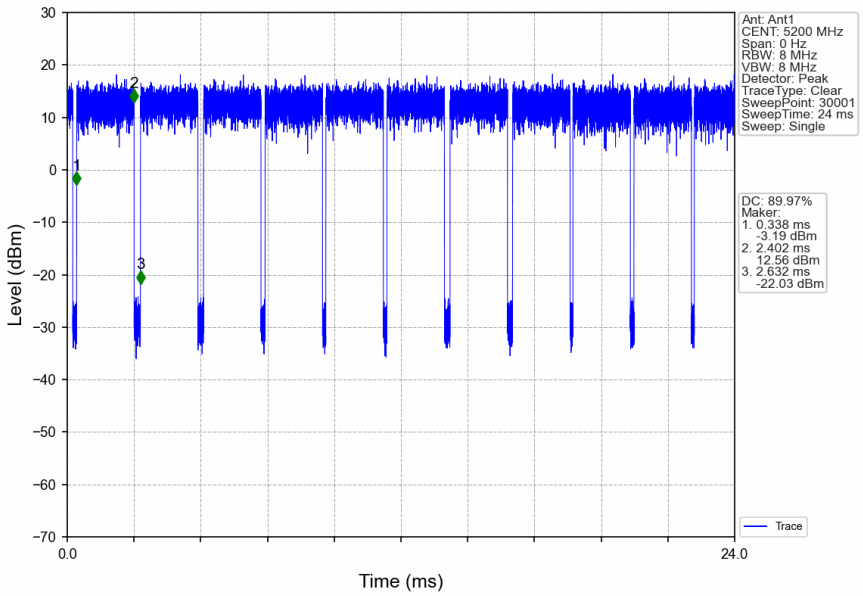
1.2 Test Graph

1.2.1 Ant1

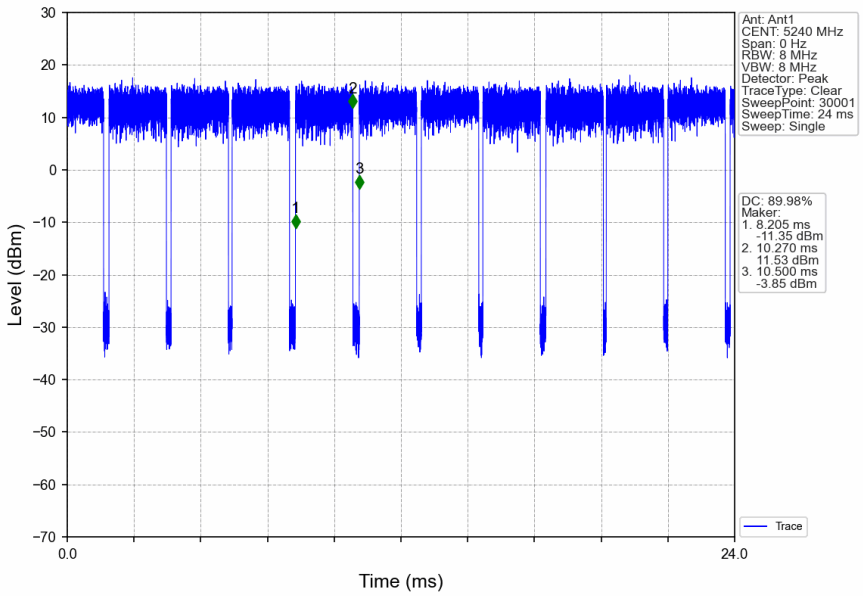
802.11a_LCH_5180MHz_Ant1_NTNV



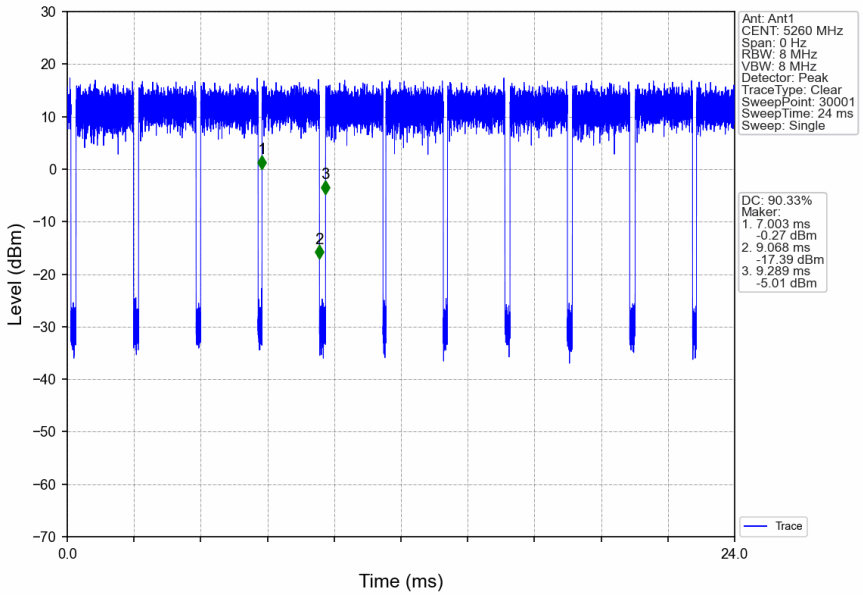
802.11a_MCH_5200MHz_Ant1_NTNV



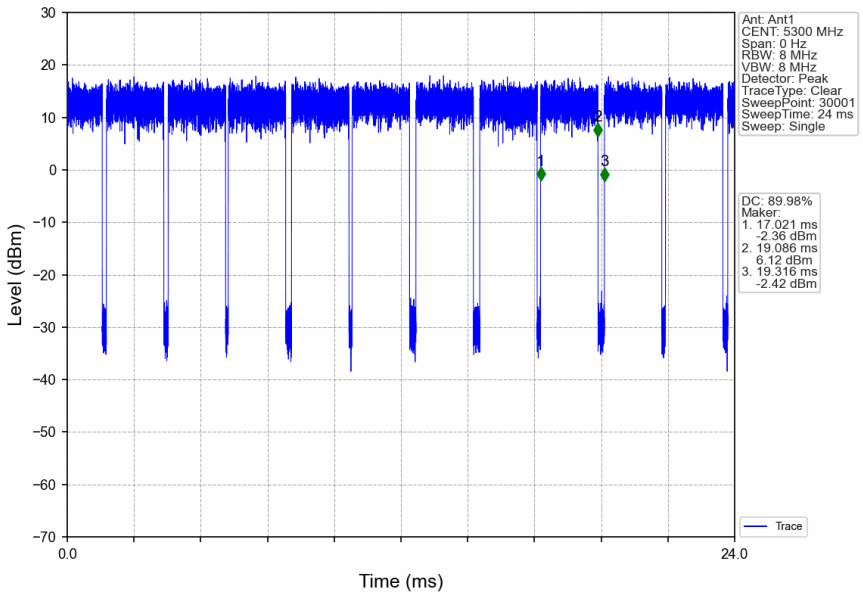
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant1_NTNV



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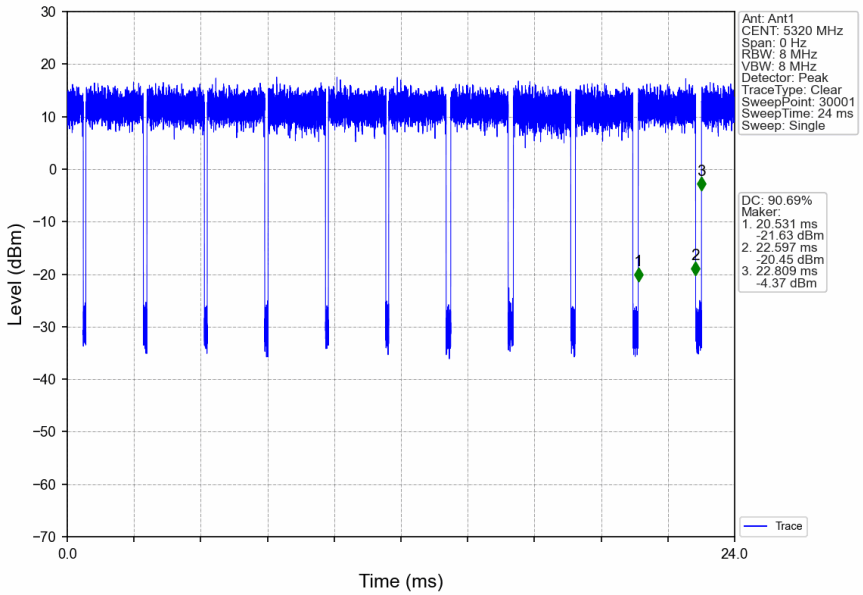
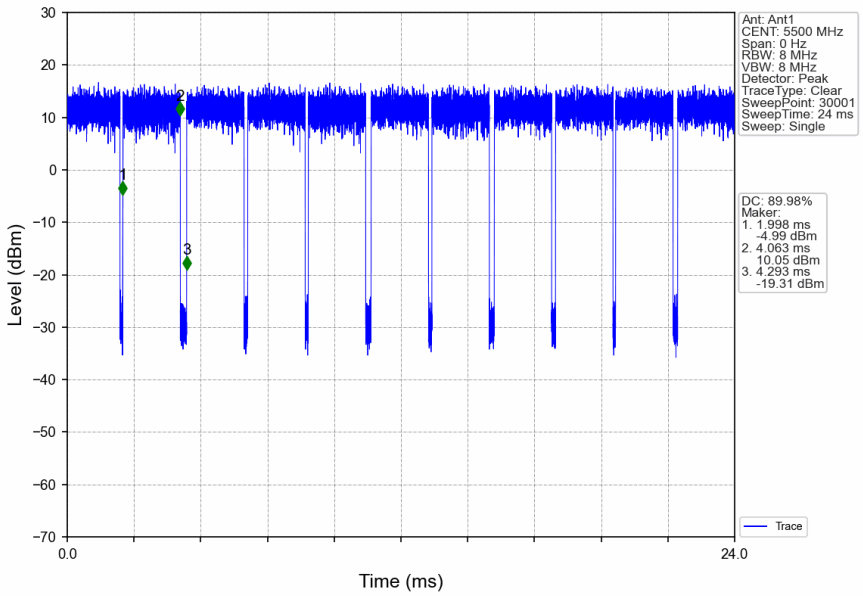
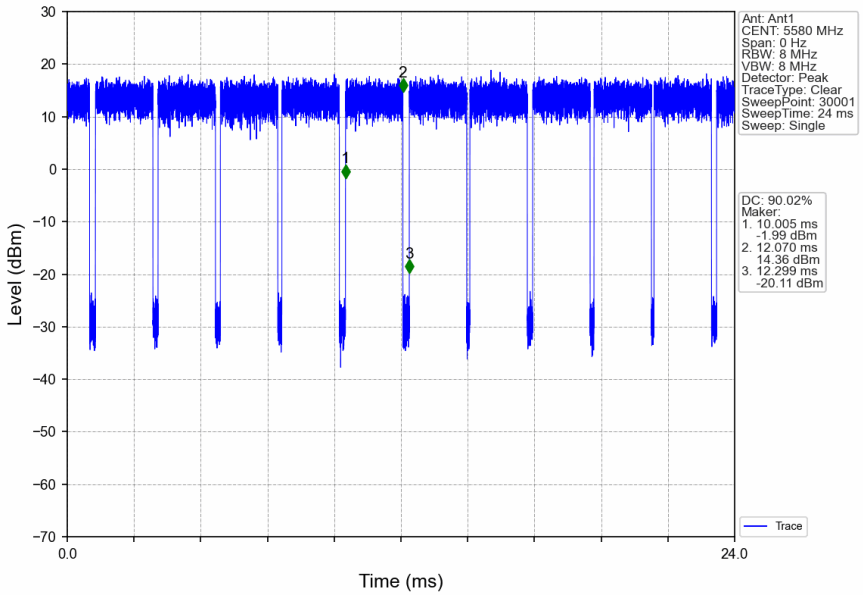


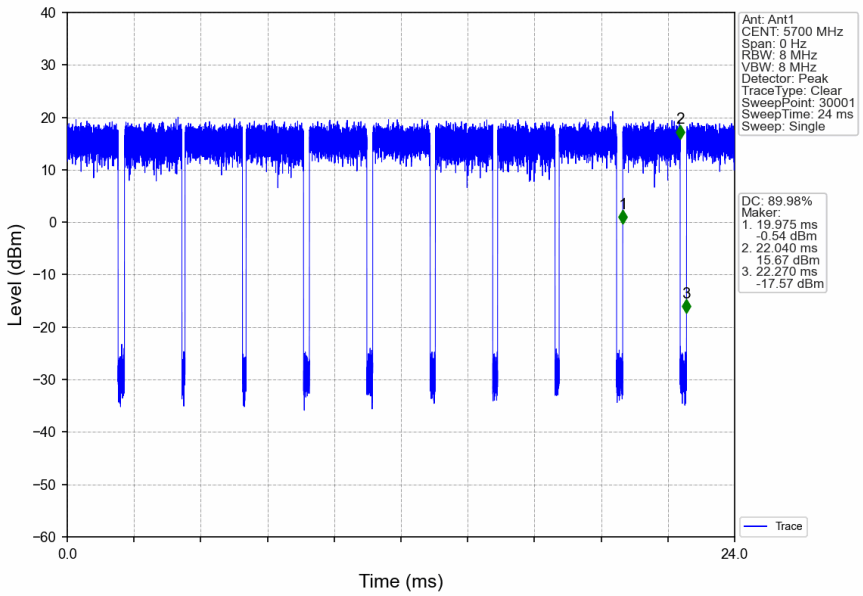
802.11a_LCH_5500MHz_Ant1_NTNV



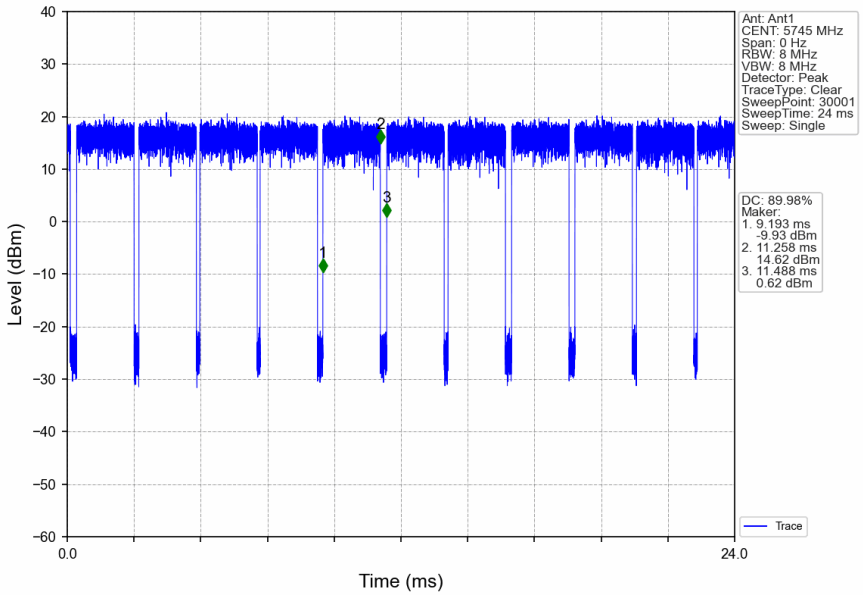
802.11a_MCH_5580MHz_Ant1_NTNV



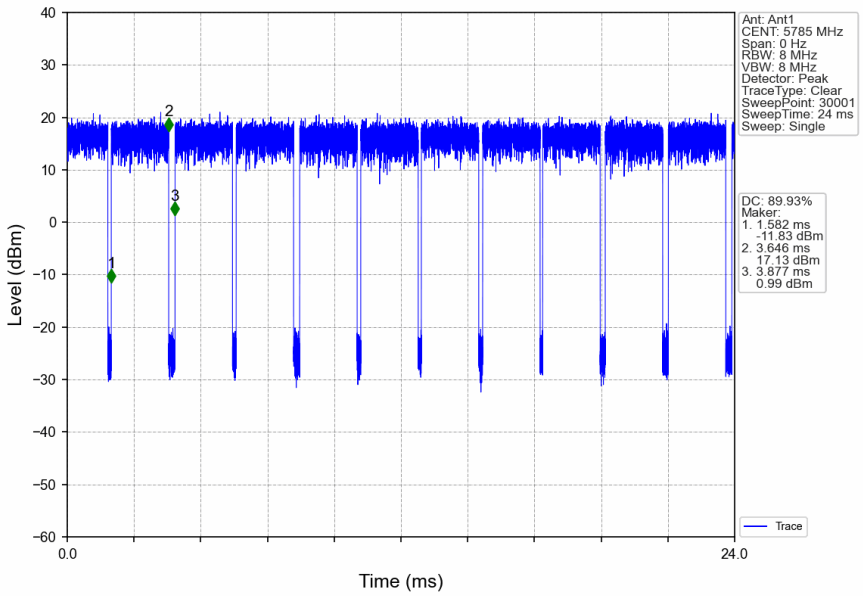
802.11a_HCH_5700MHz_Ant1_NTNV



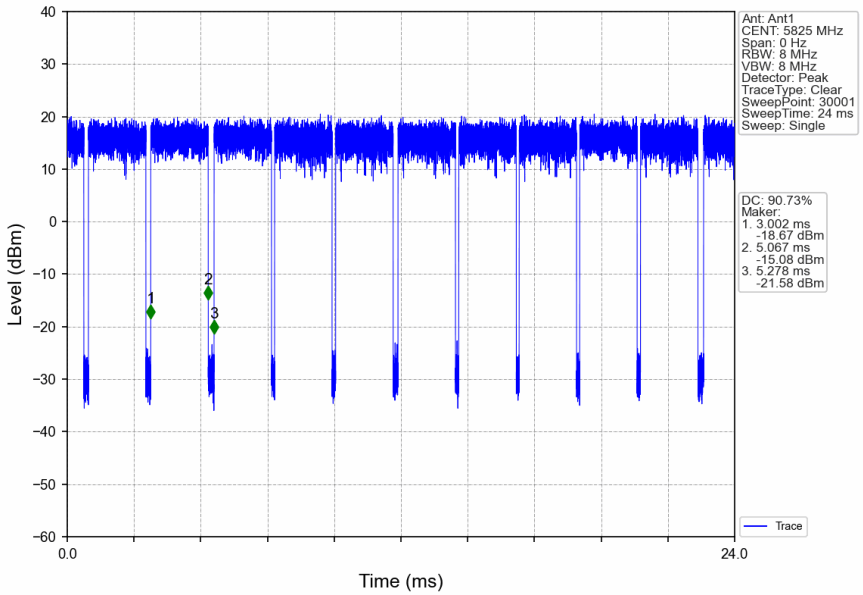
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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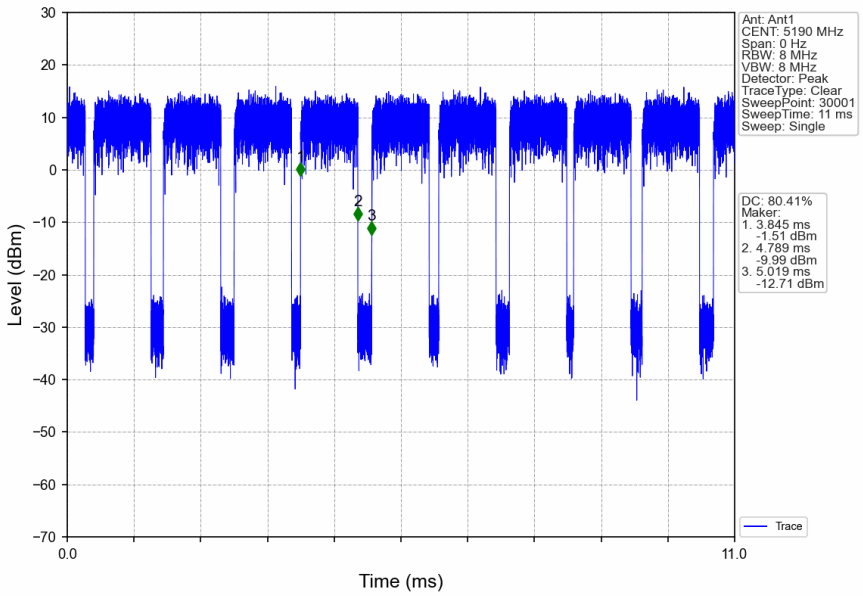
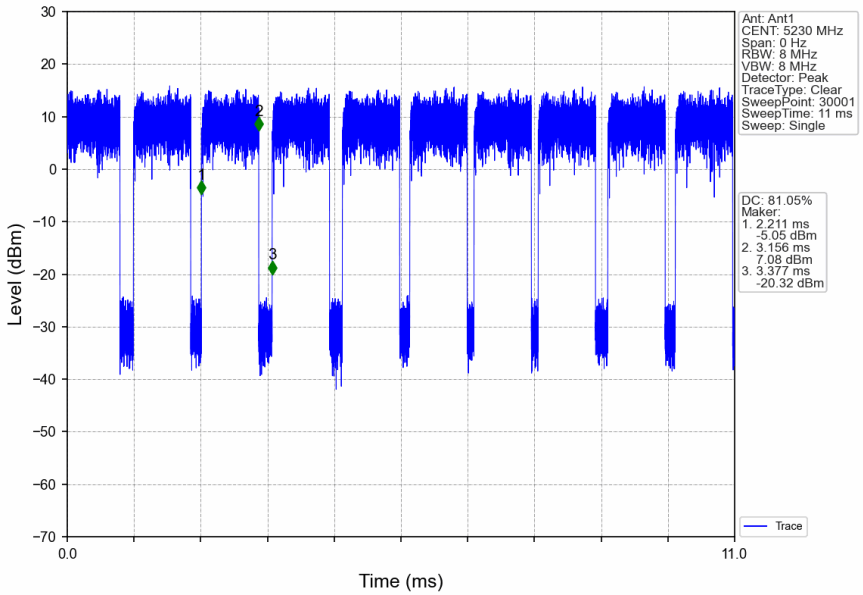
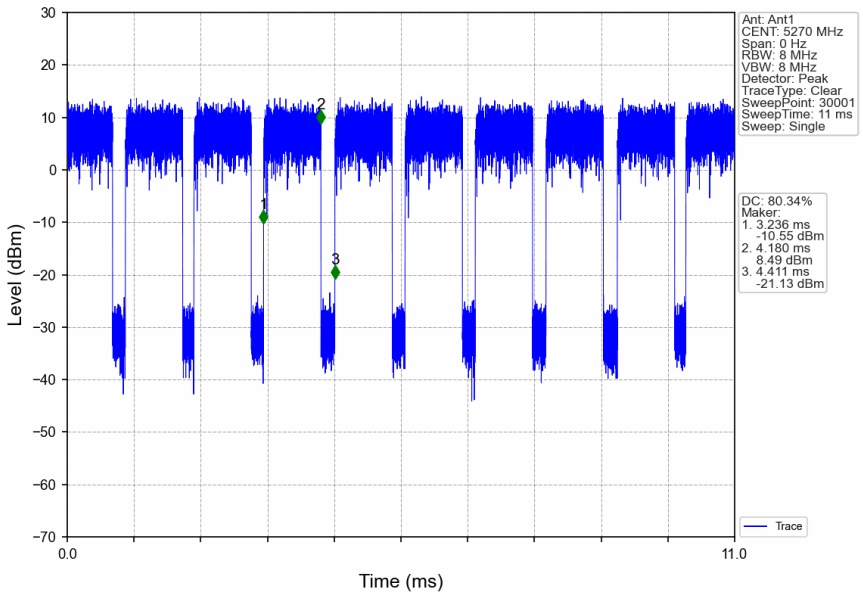
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



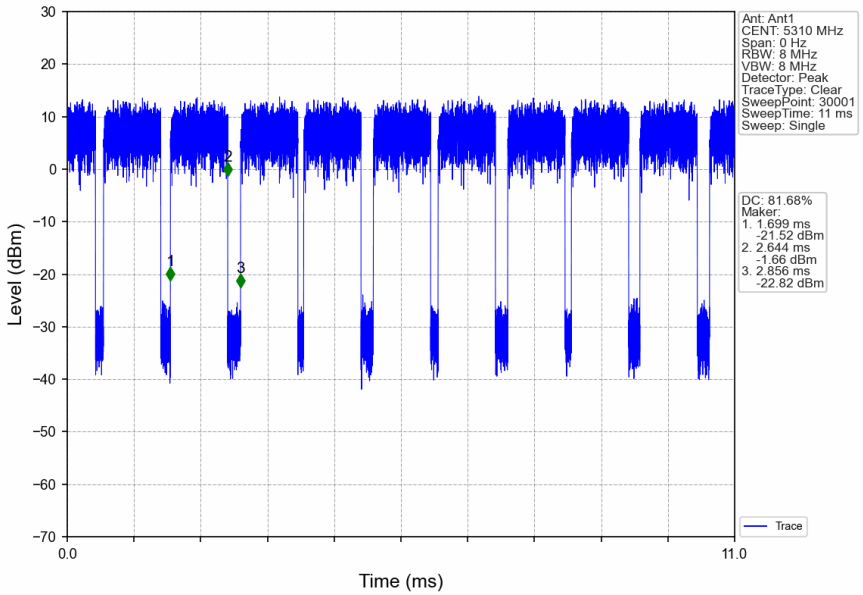
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



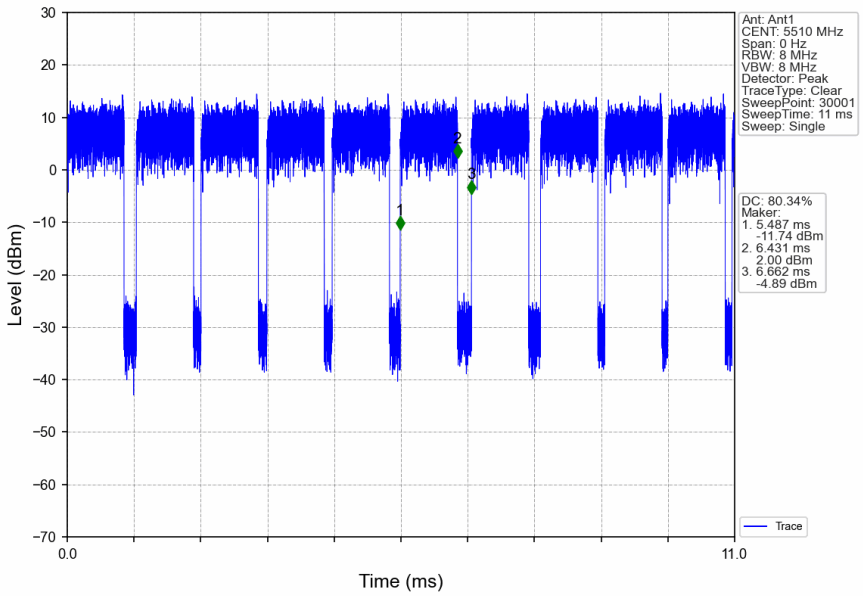
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



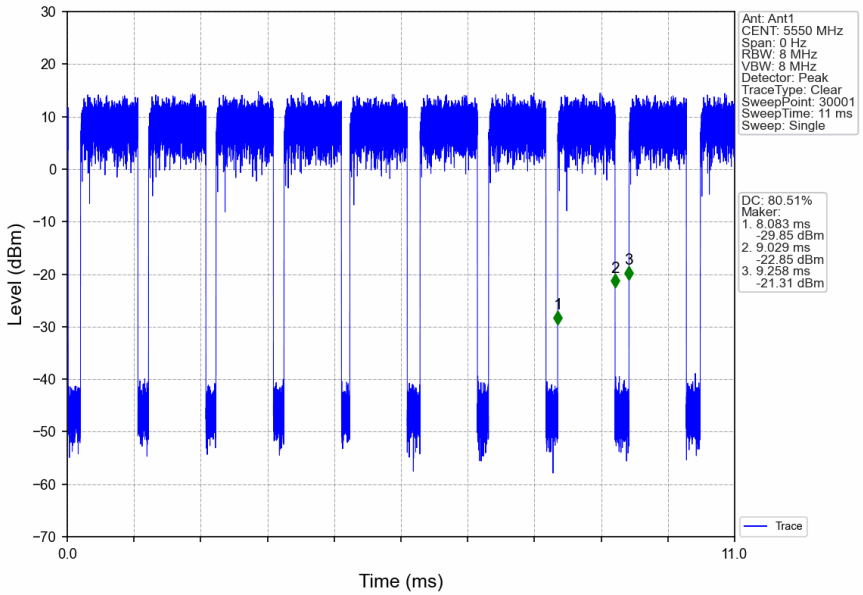
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



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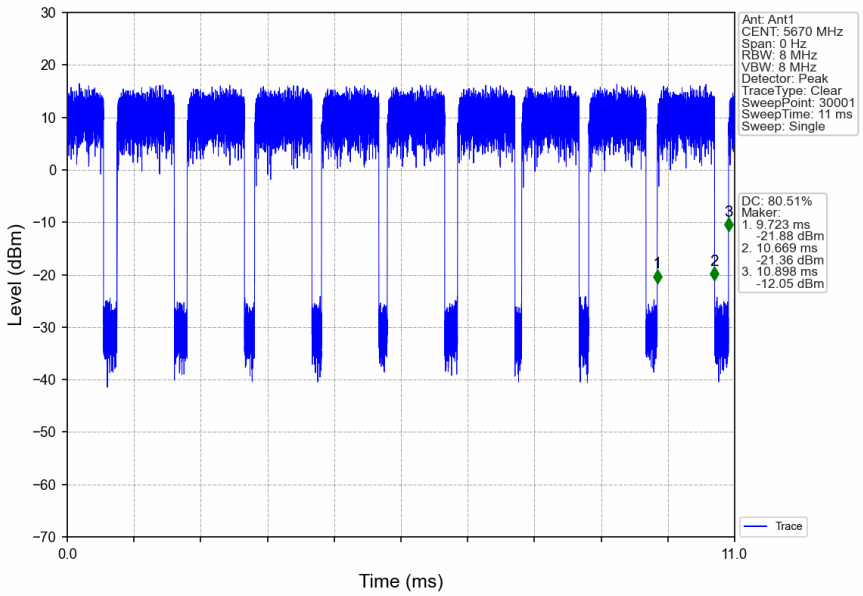
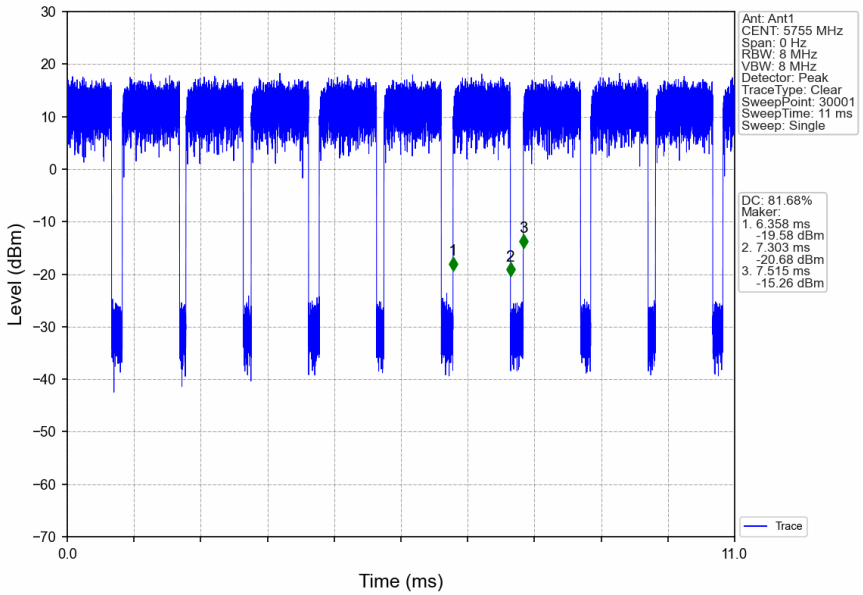


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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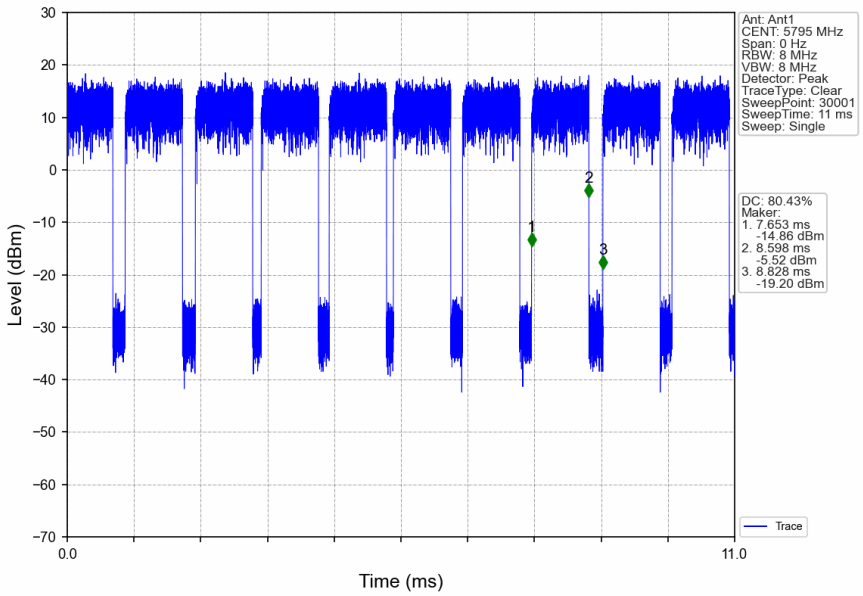
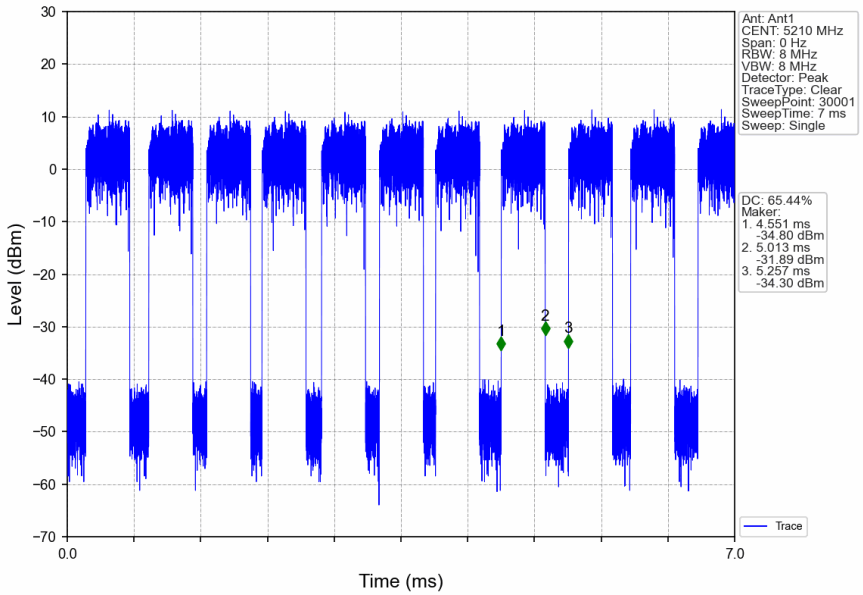
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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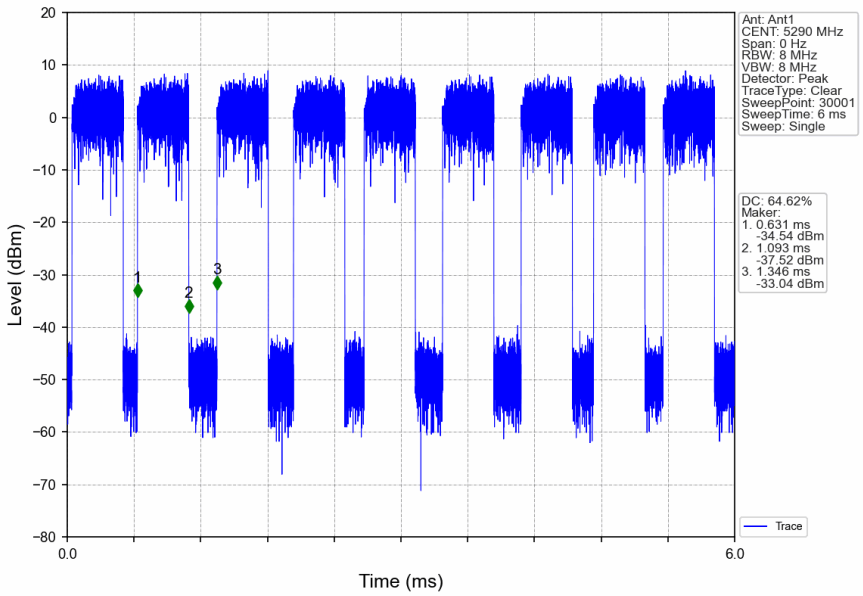
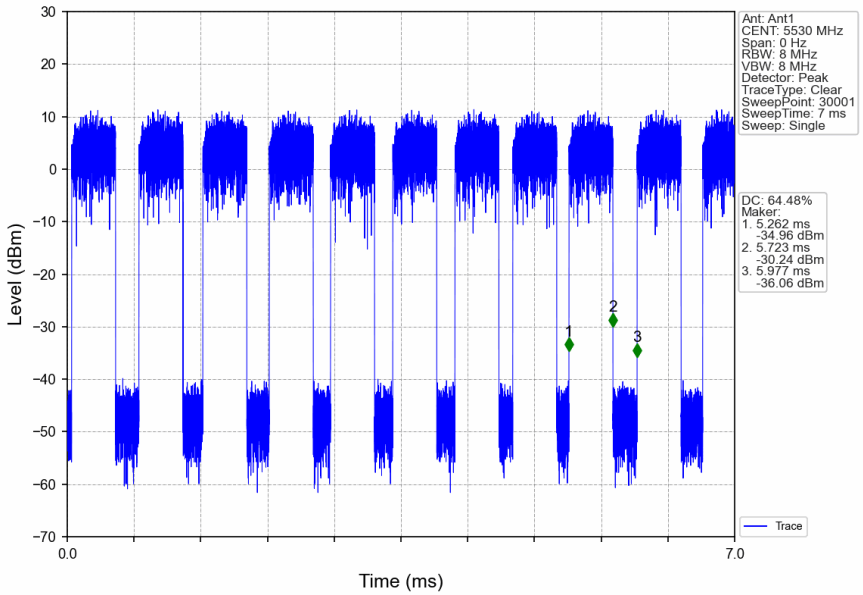
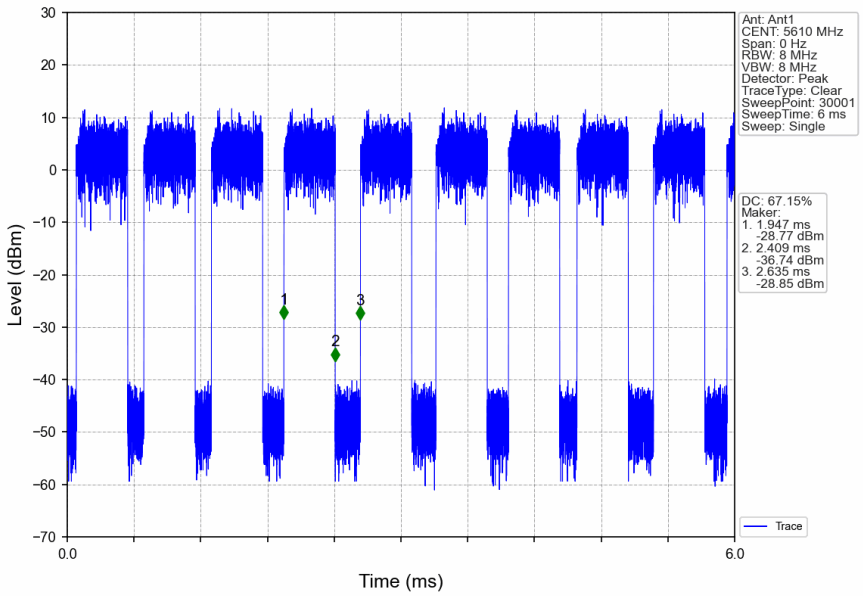


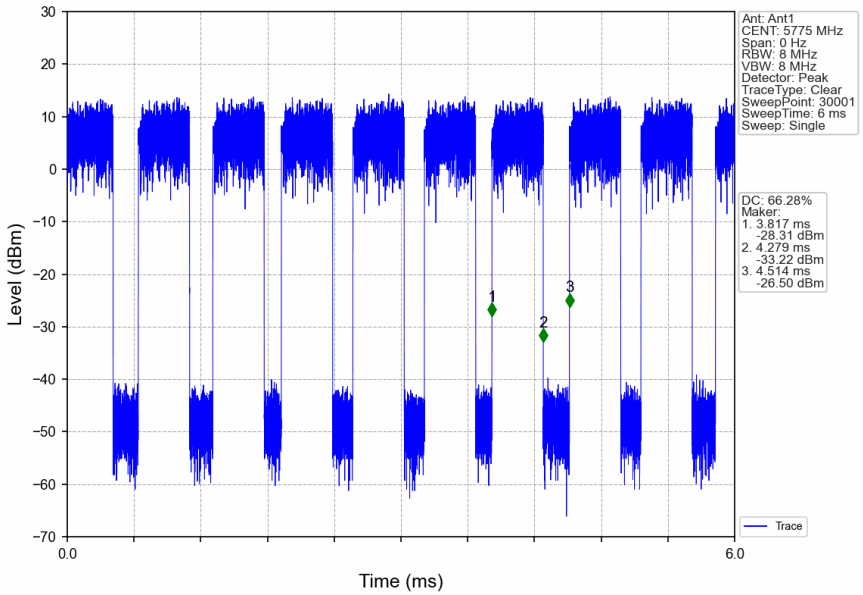
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	16.961	/	Pass
		5200	1	16.922	/	Pass
		5240	1	16.887	/	Pass
		5260	1	16.845	/	Pass
		5300	1	16.957	/	Pass
		5320	1	16.808	/	Pass
		5500	1	17.124	/	Pass
		5580	1	18.807	/	Pass
		5700	1	23.201	/	Pass
		5745	1	24.013	/	Pass
		5785	1	24.603	/	Pass
		5825	1	23.652	/	Pass
802.11n (HT40)	SISO	5190	1	36.839	/	Pass
		5230	1	36.498	/	Pass
		5270	1	36.721	/	Pass
		5310	1	36.680	/	Pass
		5510	1	37.870	/	Pass
		5550	1	37.954	/	Pass
		5670	1	42.534	/	Pass
		5755	1	47.522	/	Pass
		5795	1	43.989	/	Pass
802.11ac (VHT80)	SISO	5210	1	75.548	/	Pass
		5290	1	75.483	/	Pass
		5530	1	86.609	/	Pass
		5610	1	82.886	/	Pass
		5775	1	99.977	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.295	>=0.5	Pass
		5785	1	16.348	>=0.5	Pass
		5825	1	16.308	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	34.759	>=0.5	Pass
		5795	1	35.065	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	72.578	>=0.5	Pass

2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	25.261	/	Pass
		5200	1	24.194	/	Pass
		5240	1	24.071	/	Pass
		5260	1	20.421	/	Pass
		5300	1	22.904	/	Pass
		5320	1	19.713	/	Pass
		5500	1	27.629	/	Pass
		5580	1	31.926	/	Pass
		5700	1	38.391	/	Pass
802.11n (HT40)	SISO	5190	1	49.902	/	Pass
		5230	1	46.431	/	Pass
		5270	1	45.835	/	Pass
		5310	1	42.787	/	Pass
		5510	1	62.338	/	Pass
		5550	1	68.828	/	Pass
		5670	1	81.086	/	Pass
802.11ac (VHT80)	SISO	5210	1	119.900	/	Pass
		5290	1	113.124	/	Pass
		5530	1	139.789	/	Pass
		5610	1	156.855	/	Pass

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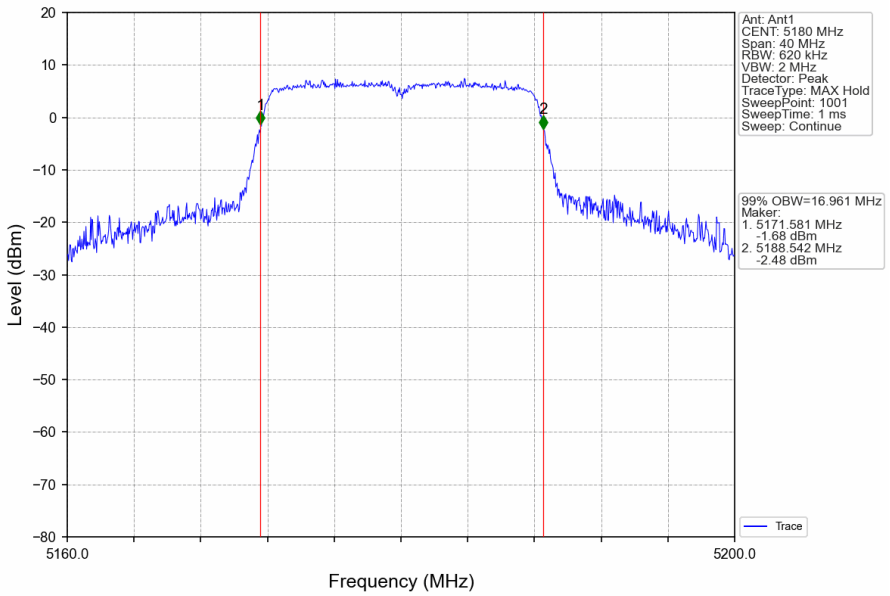
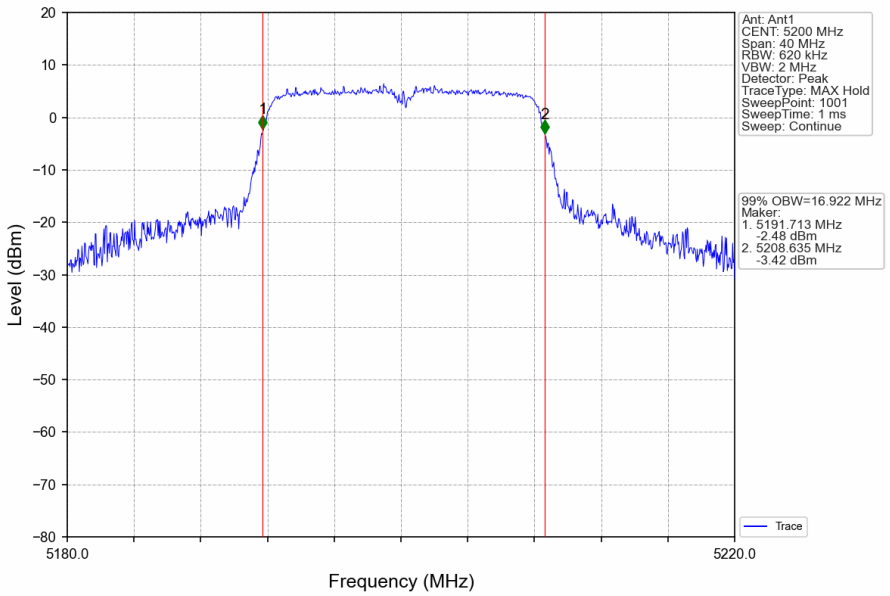
2.2 Test Graph

2.2.1 OBW

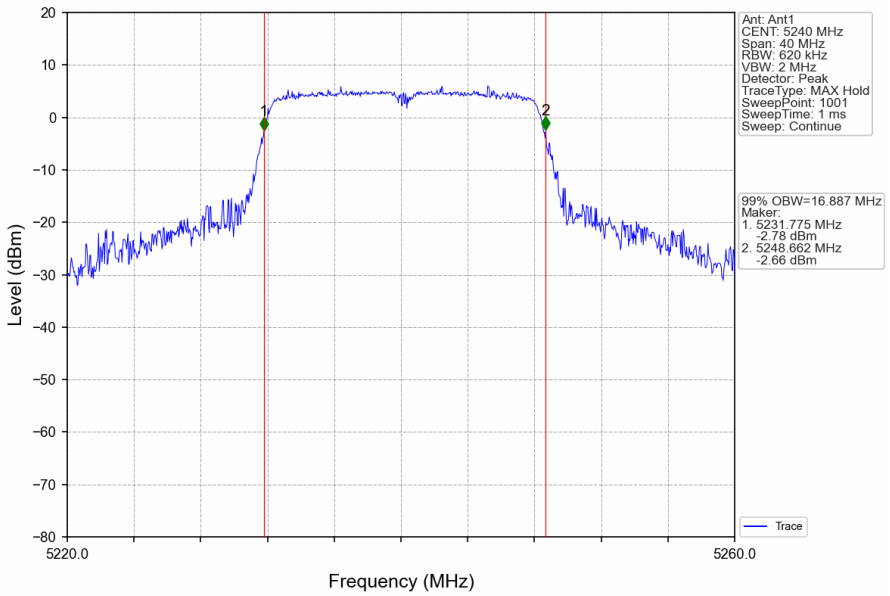
802.11a_LCH_5180MHz_Ant1_NTNV



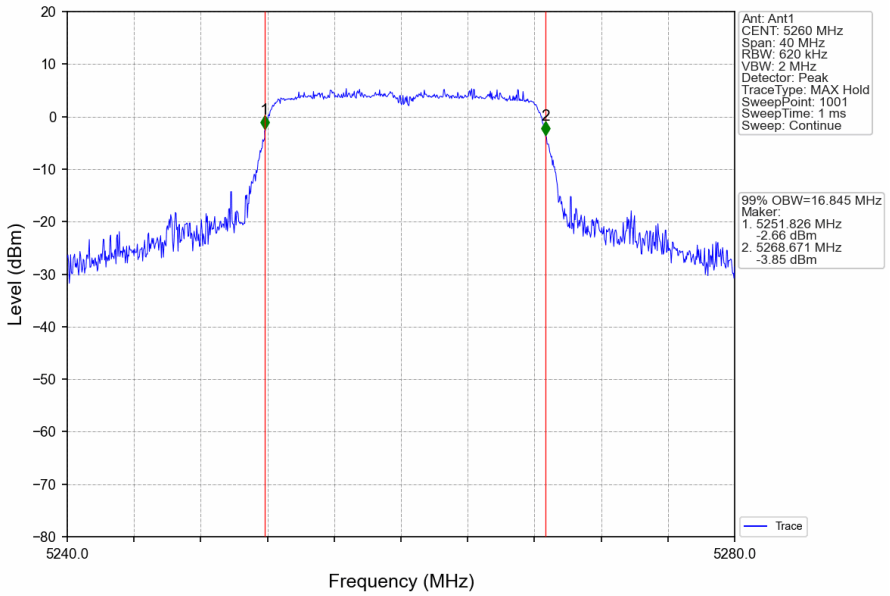
802.11a_MCH_5200MHz_Ant1_NTNV



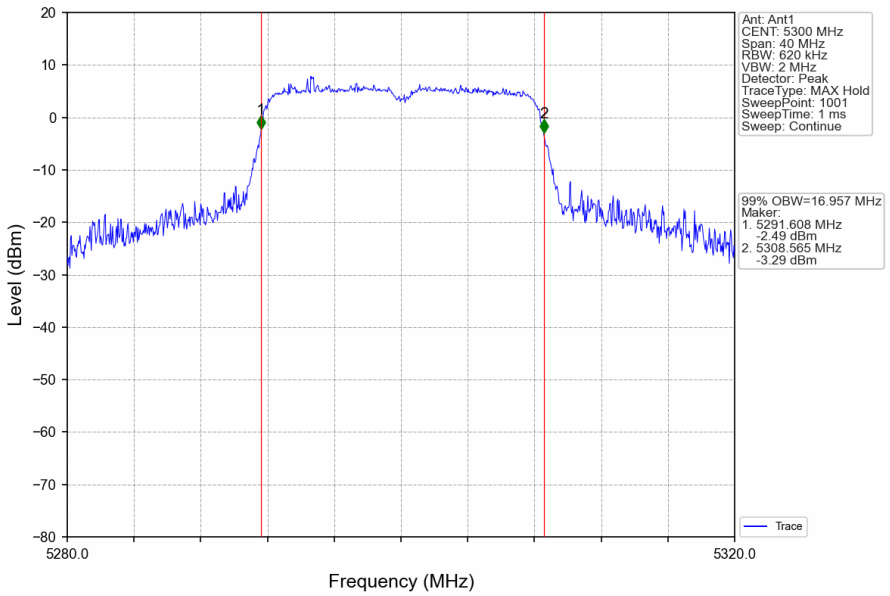
802.11a_HCH_5240MHz_Ant1_NTNV



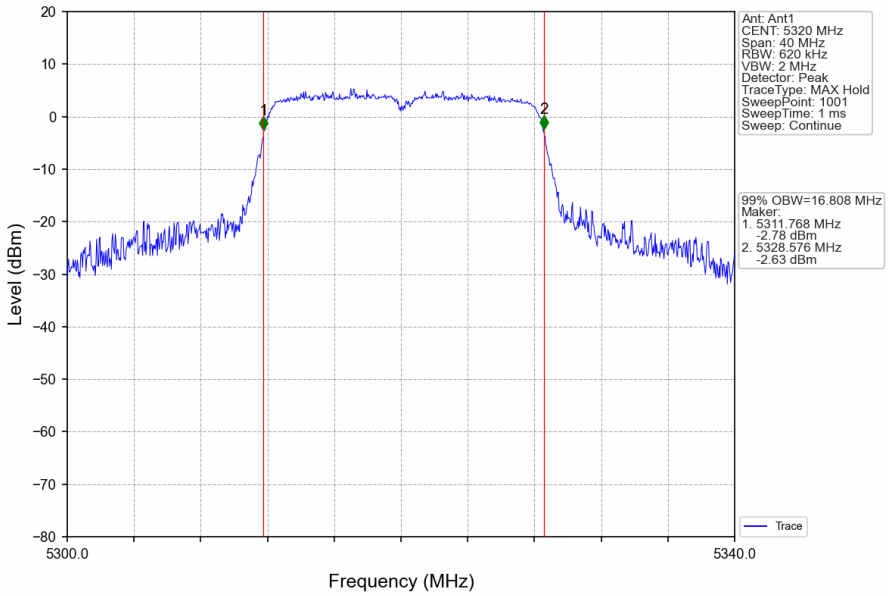
802.11a_LCH_5260MHz_Ant1_NTNV



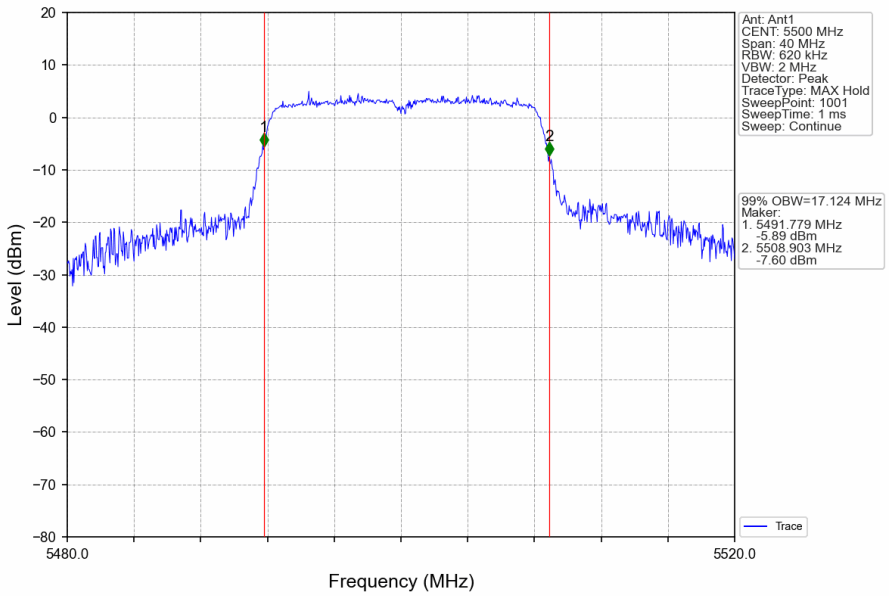
802.11a_MCH_5300MHz_Ant1_NTNV



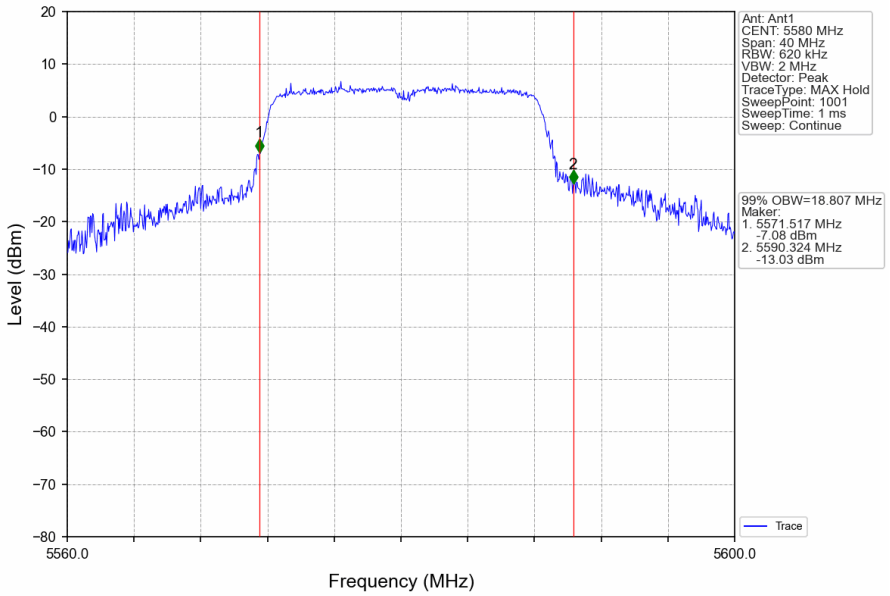
802.11a_HCH_5320MHz_Ant1_NTNV



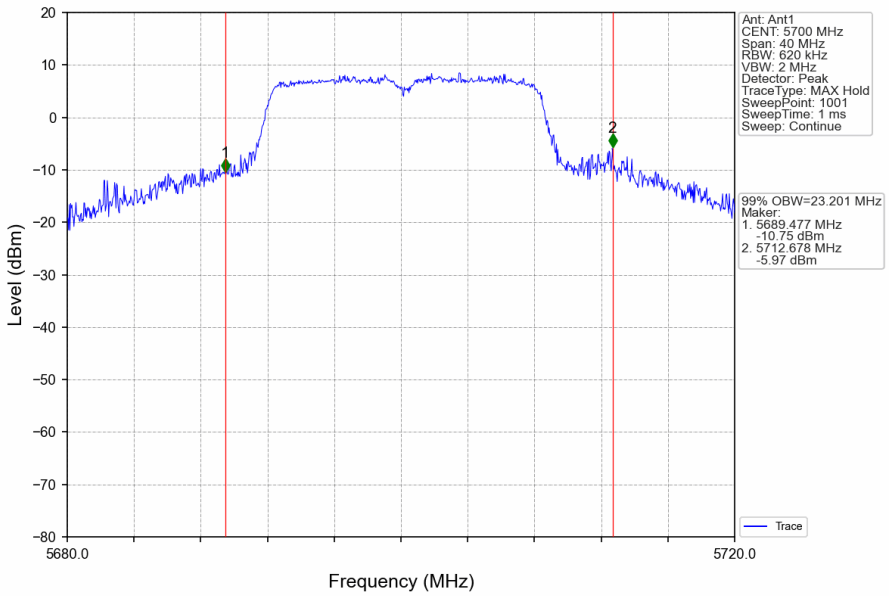
802.11a_LCH_5500MHz_Ant1_NTNV



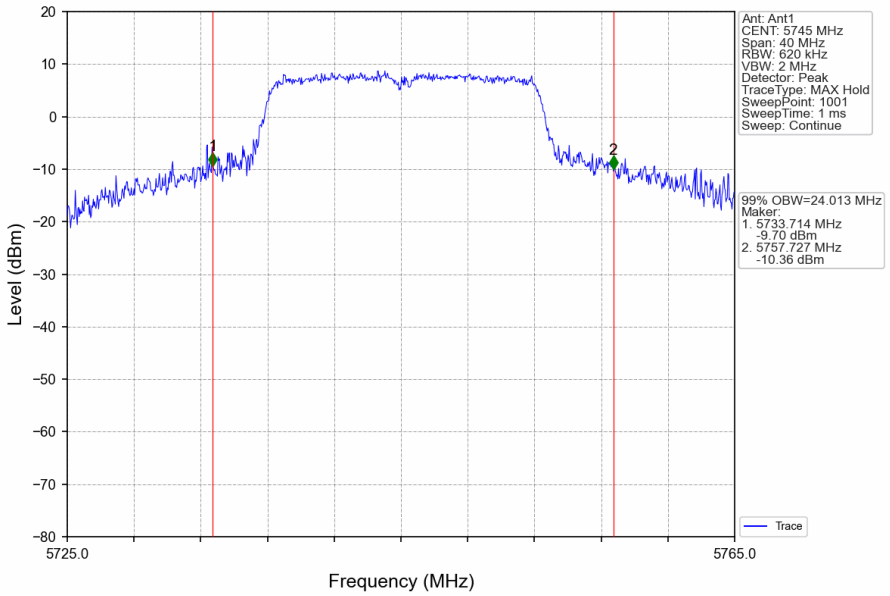
802.11a_MCH_5580MHz_Ant1_NTNV



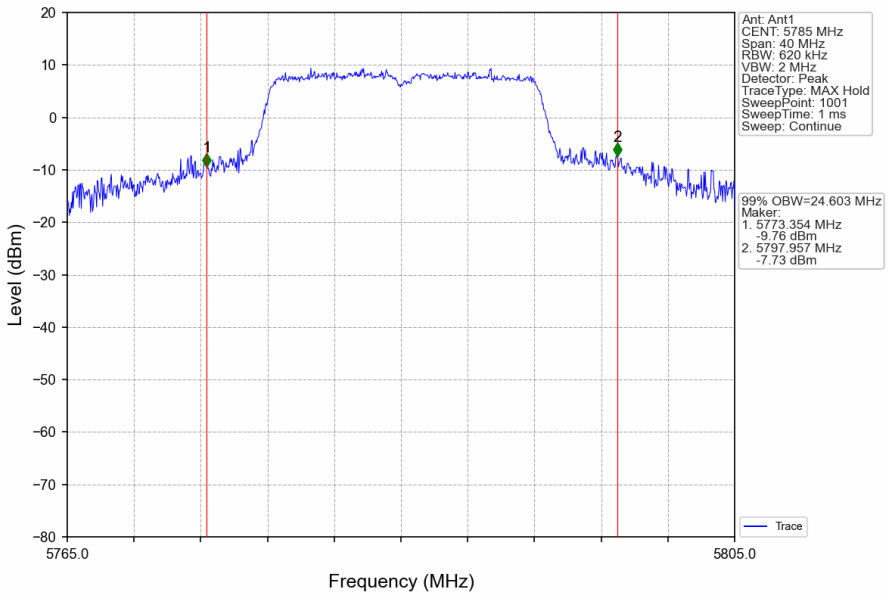
802.11a_HCH_5700MHz_Ant1_NTNV



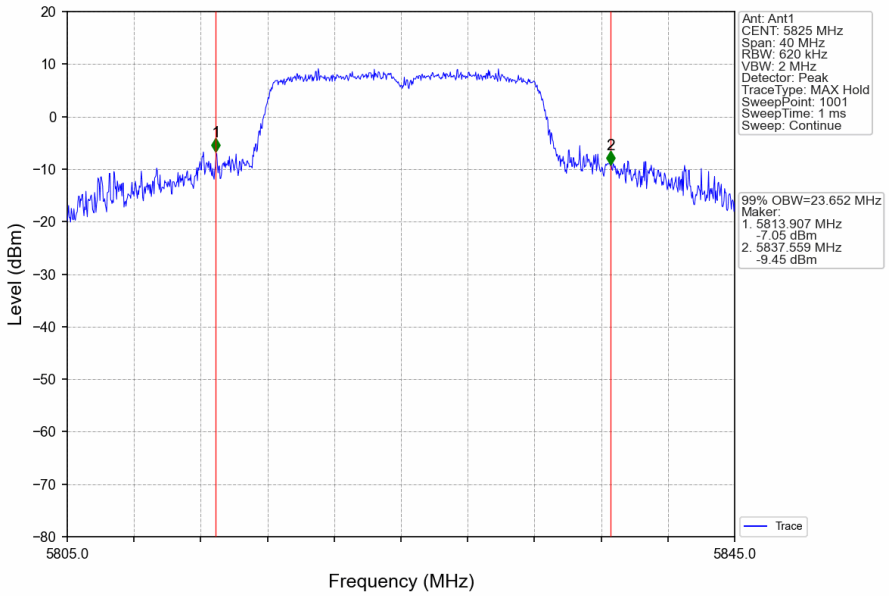
802.11a_LCH_5745MHz_Ant1_NTNV



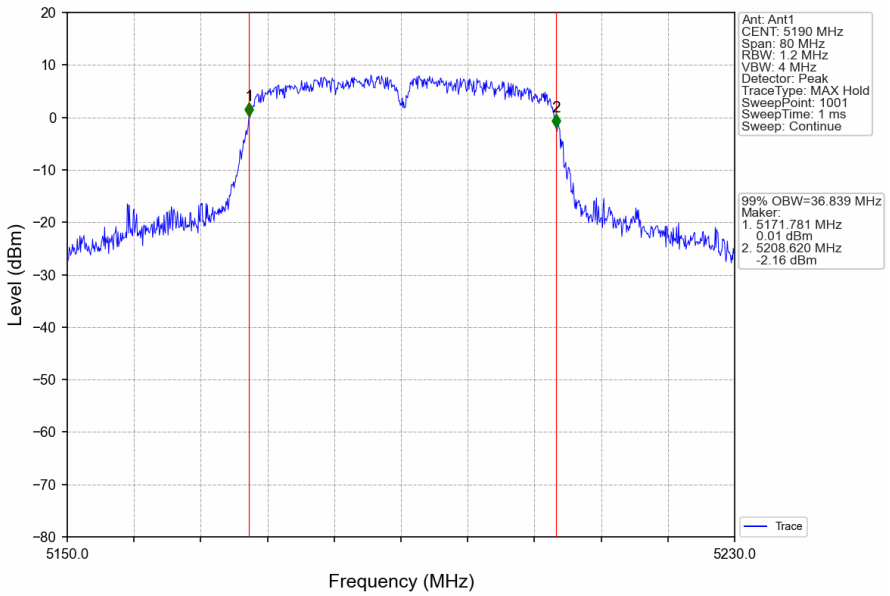
802.11a_MCH_5785MHz_Ant1_NTNV



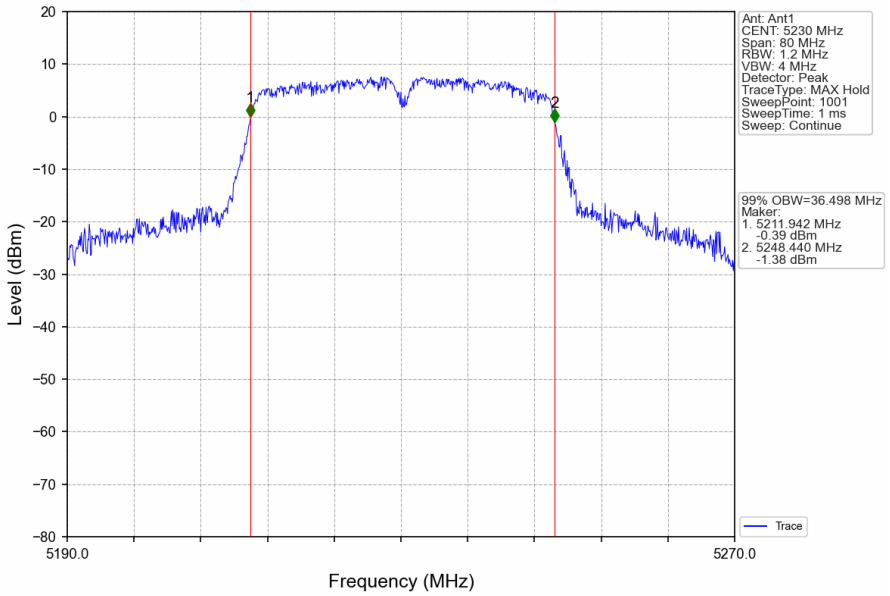
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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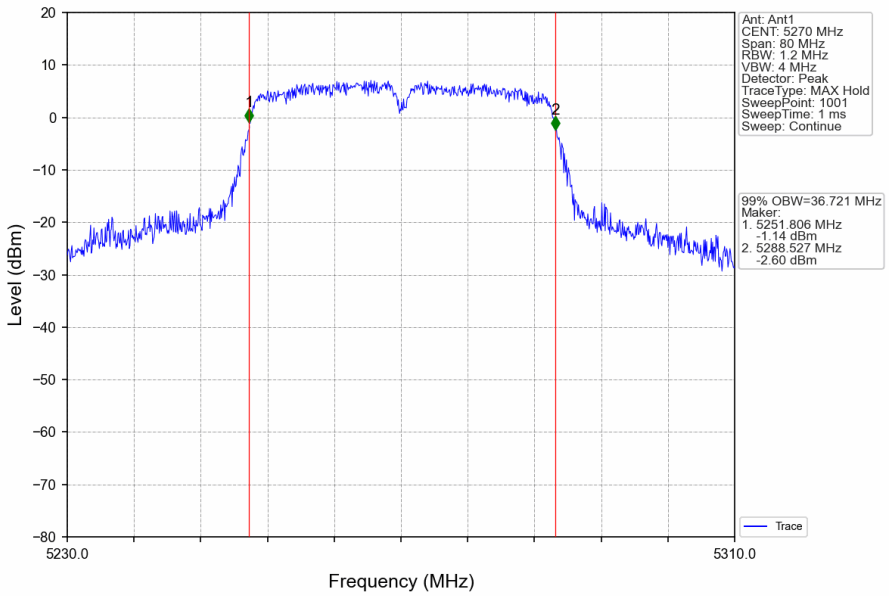
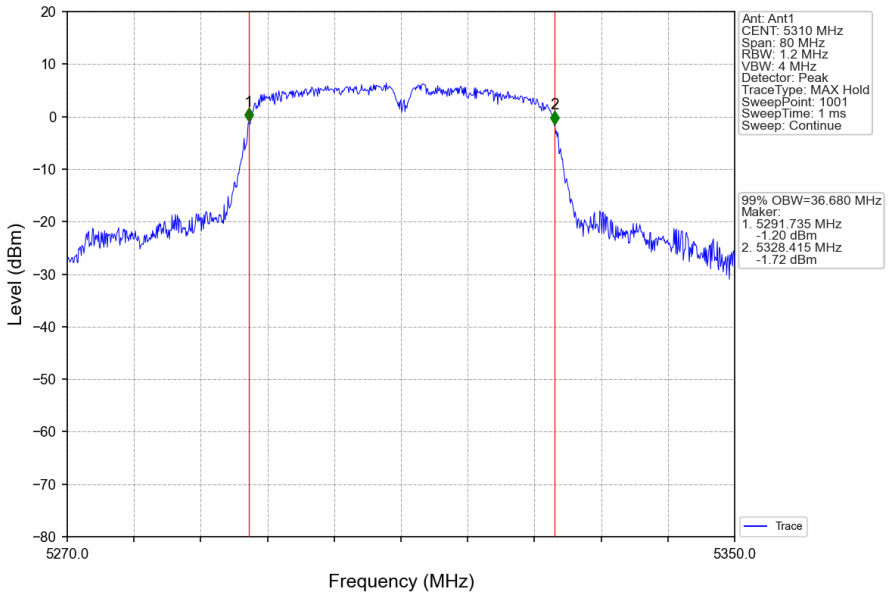
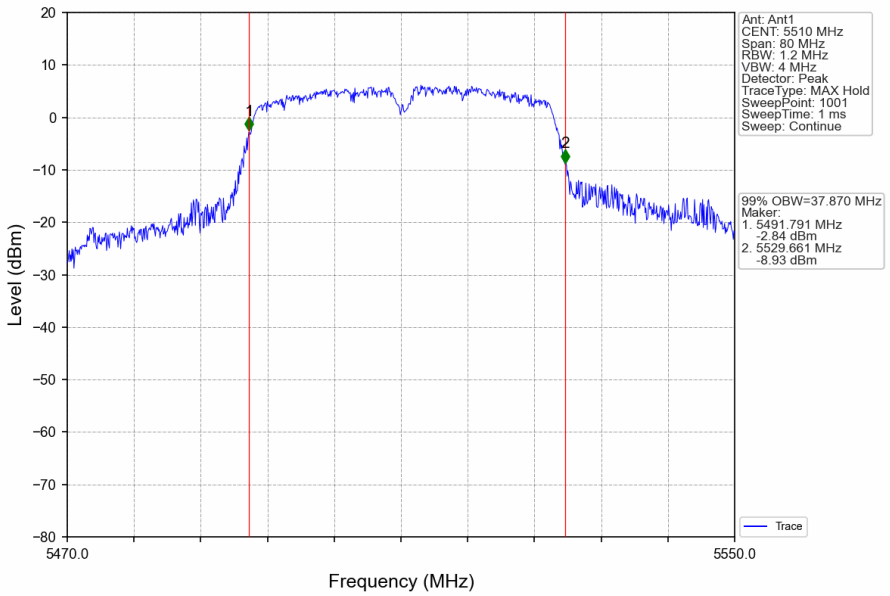


802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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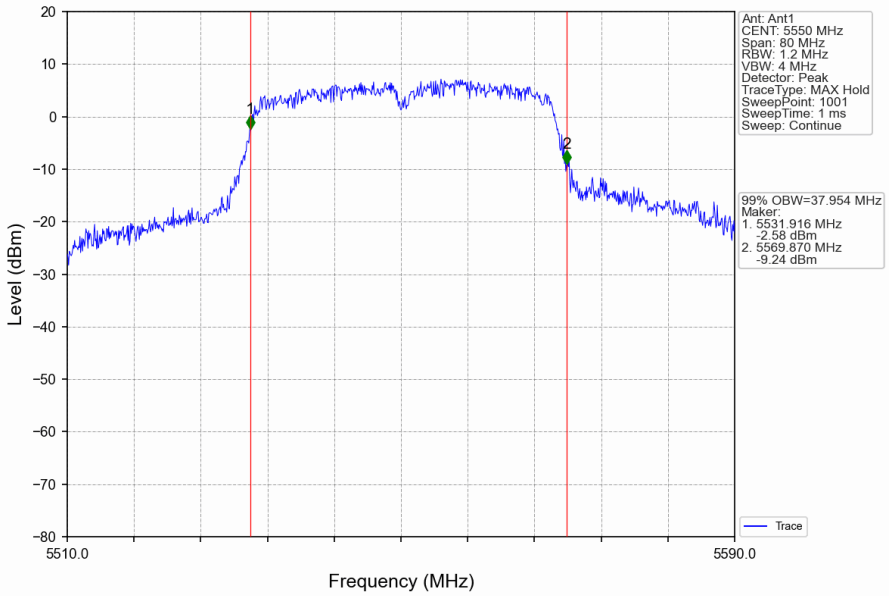
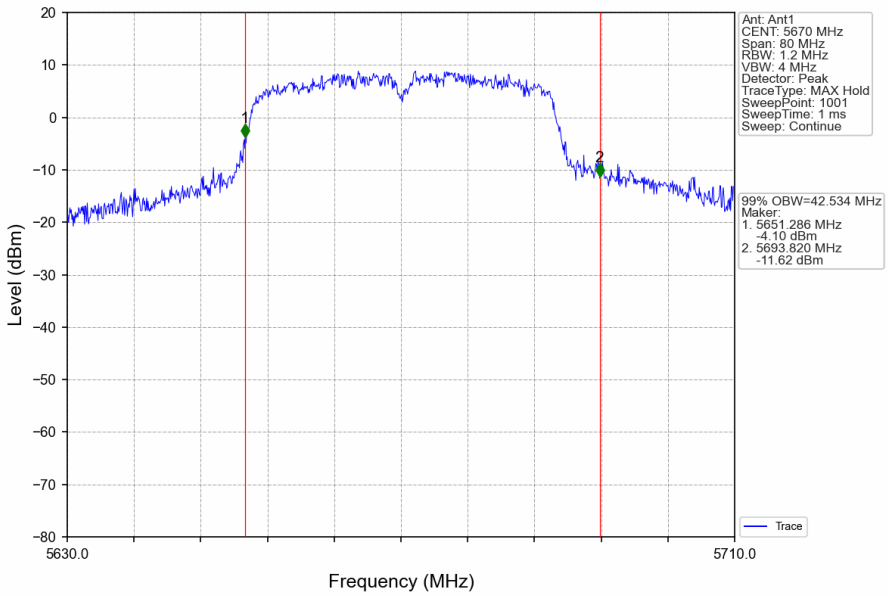
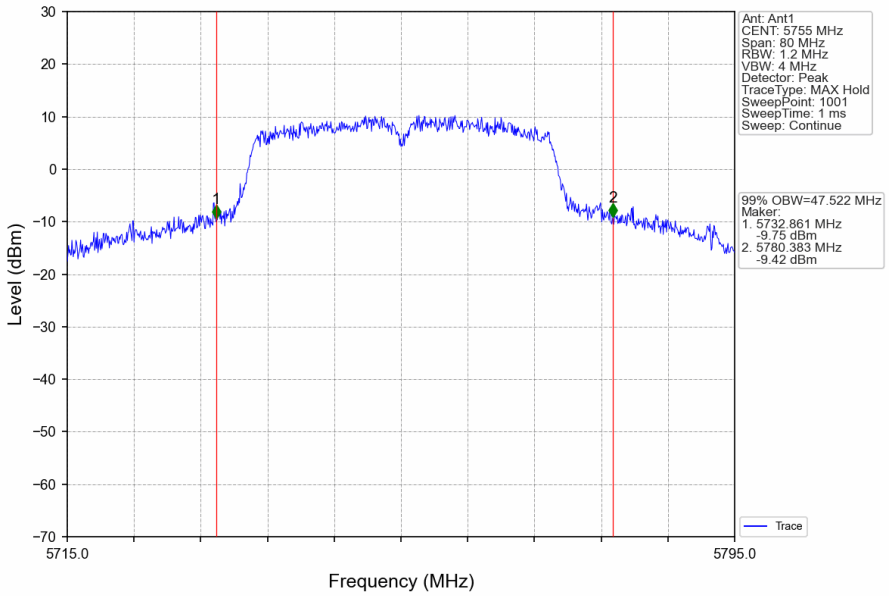


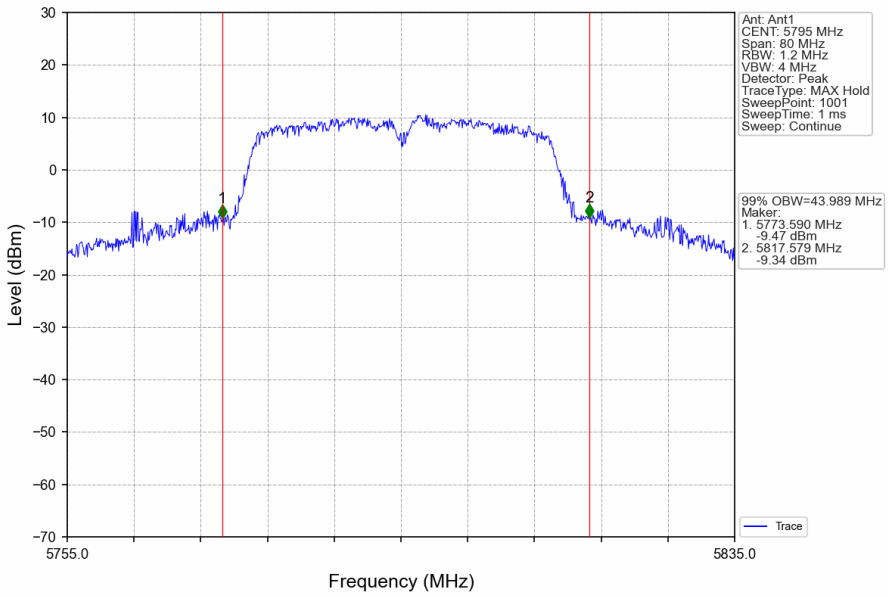
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



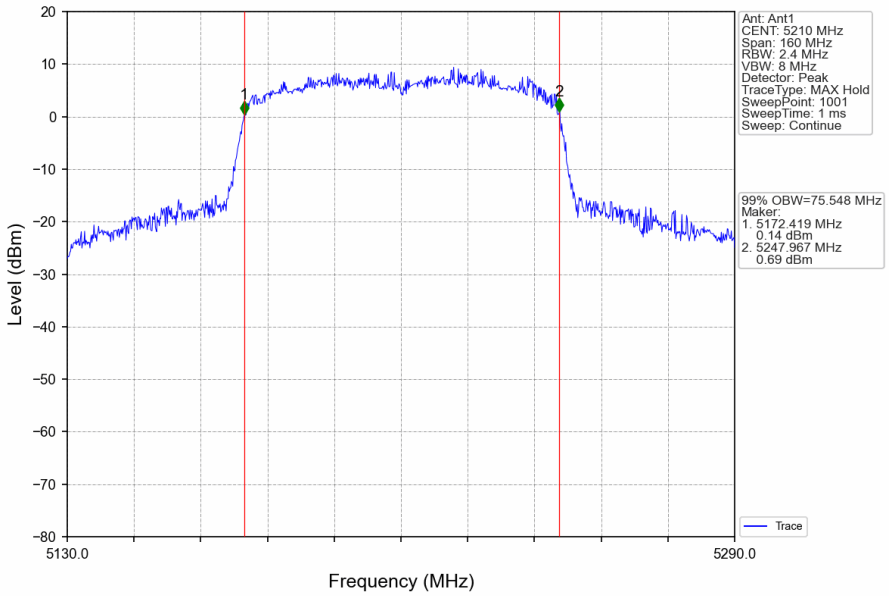
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



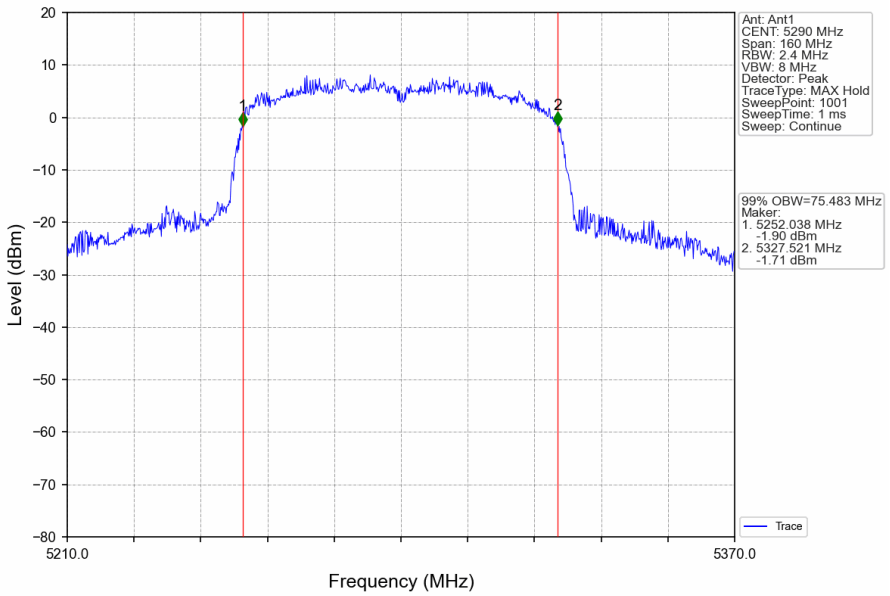
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



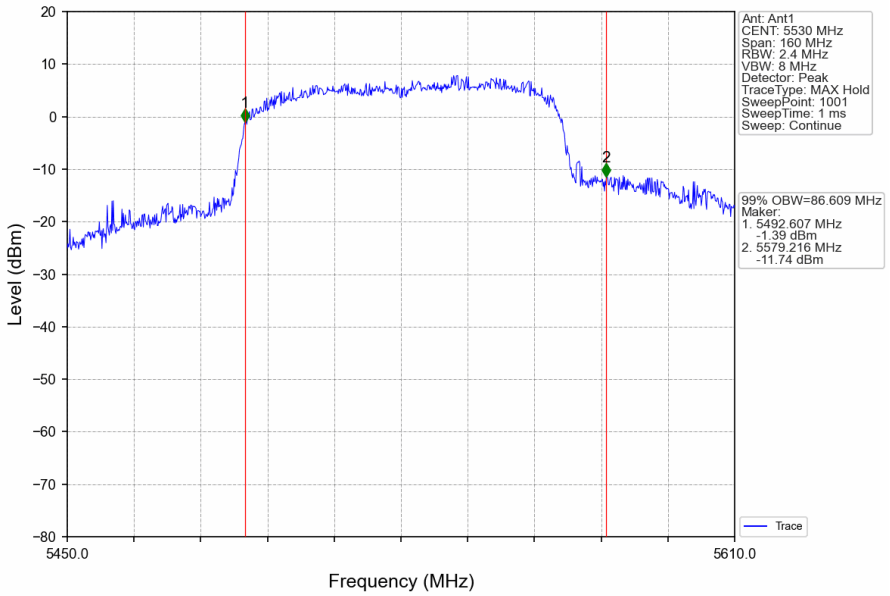
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



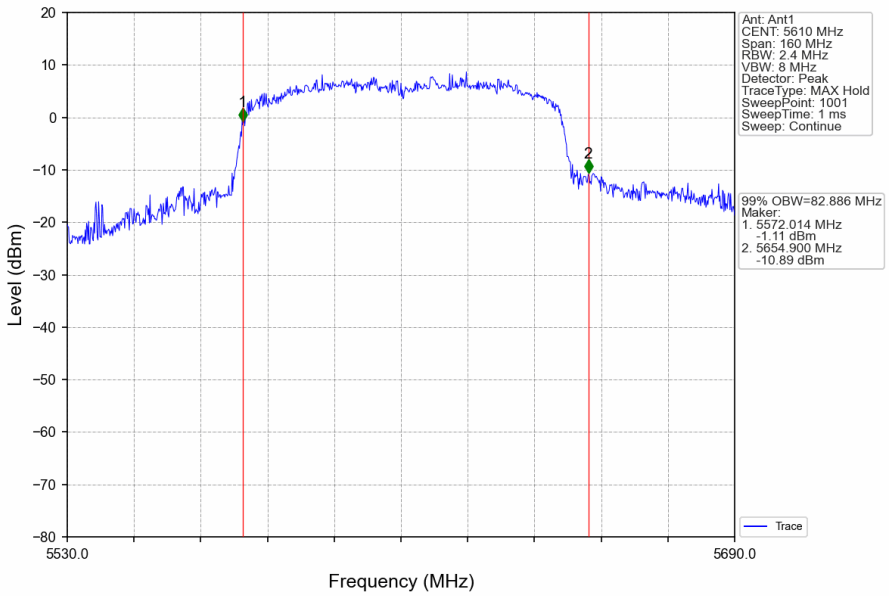
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV