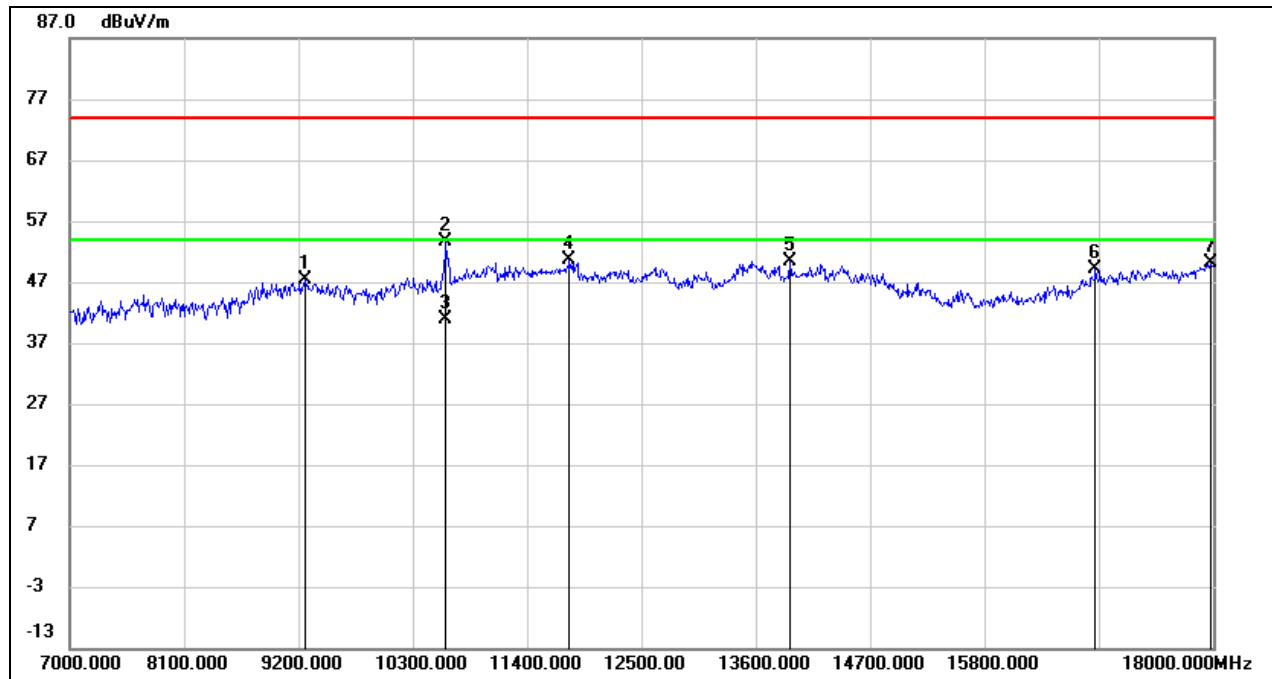




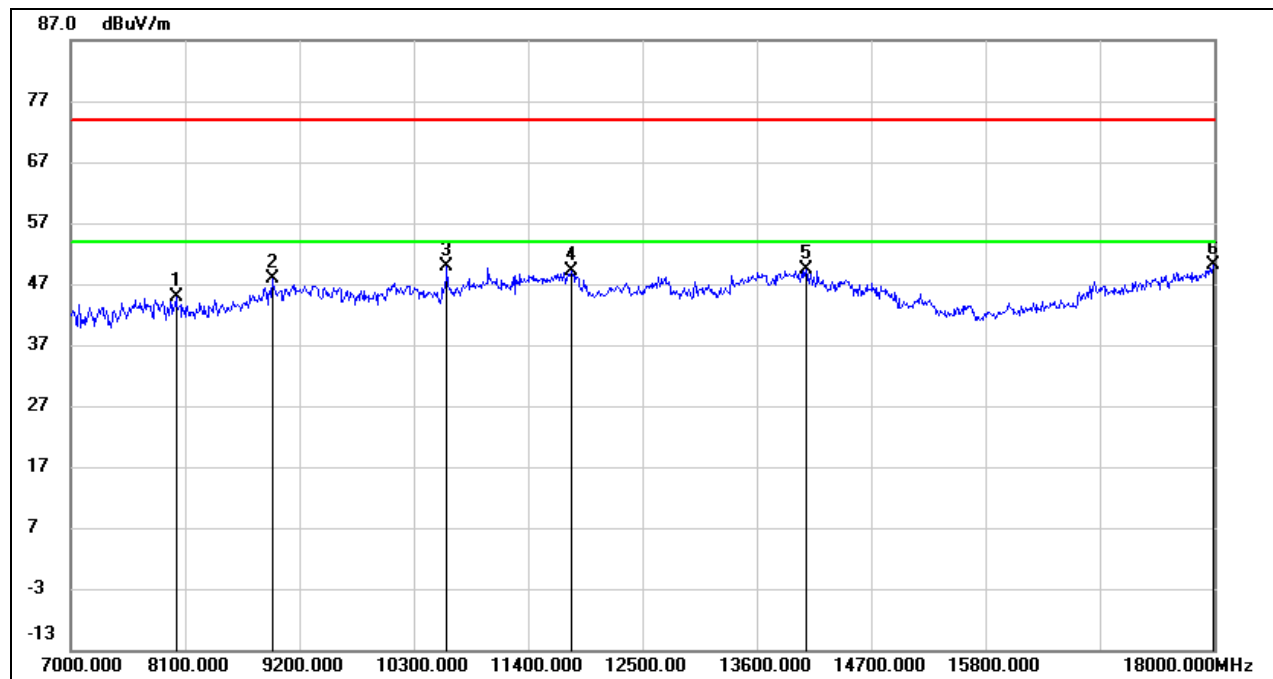
Test Mode:	802.11n HT40	Channel:	5310 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9266.000	36.76	10.51	47.27	74.00	-26.73	peak
2	10619.000	40.42	13.28	53.70	74.00	-20.30	peak
3	10619.000	27.62	13.28	40.90	54.00	-13.10	AVG
4	11807.000	33.33	17.34	50.67	74.00	-23.33	peak
5	13930.000	28.67	21.71	50.38	74.00	-23.62	peak
6	16867.000	29.01	20.00	49.01	74.00	-24.99	peak
7	17978.000	24.25	25.97	50.22	74.00	-23.78	peak



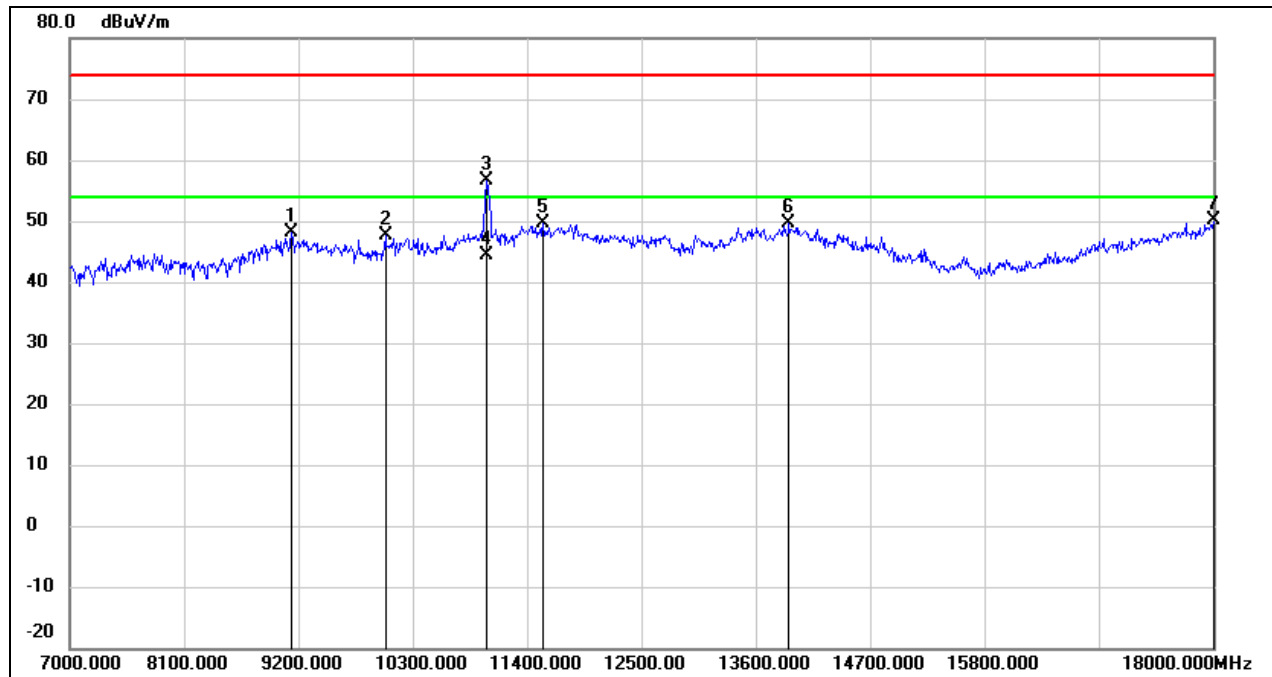
Test Mode:	802.11n HT40	Channel:	5310 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8012.000	38.48	6.44	44.92	74.00	-29.08	peak
2	8936.000	38.05	9.90	47.95	74.00	-26.05	peak
3	10619.000	36.70	13.28	49.98	74.00	-24.02	peak
4	11818.000	31.86	17.36	49.22	74.00	-24.78	peak
5	14073.000	27.71	21.57	49.28	74.00	-24.72	peak
6	17989.000	24.08	26.04	50.12	74.00	-23.88	peak



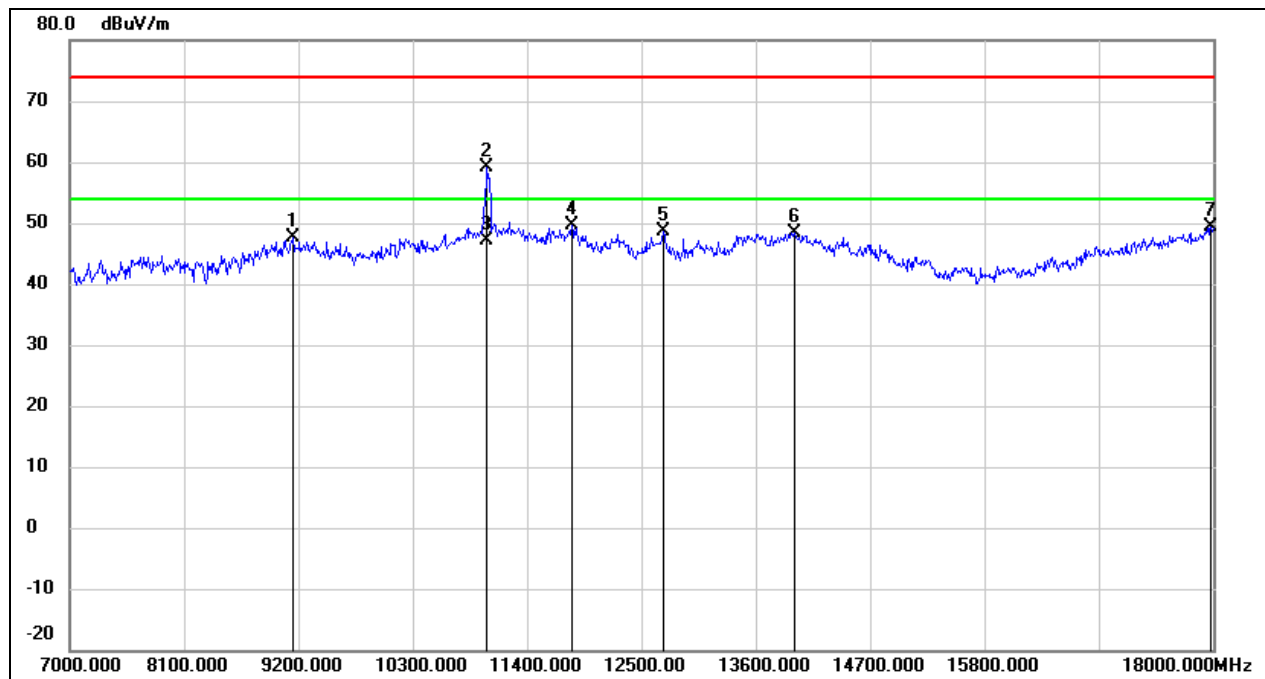
Test Mode:	802.11n HT40	Channel:	5510 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9134.000	37.60	10.41	48.01	74.00	-25.99	peak
2	10036.000	35.75	11.84	47.59	74.00	-26.41	peak
3	11004.000	41.94	14.74	56.68	74.00	-17.32	peak
4	11004.000	29.76	14.74	44.50	54.00	-9.50	AVG
5	11554.000	32.75	16.87	49.62	74.00	-24.38	peak
6	13919.000	27.86	21.68	49.54	74.00	-24.46	peak
7	18000.000	23.99	26.12	50.11	74.00	-23.89	peak



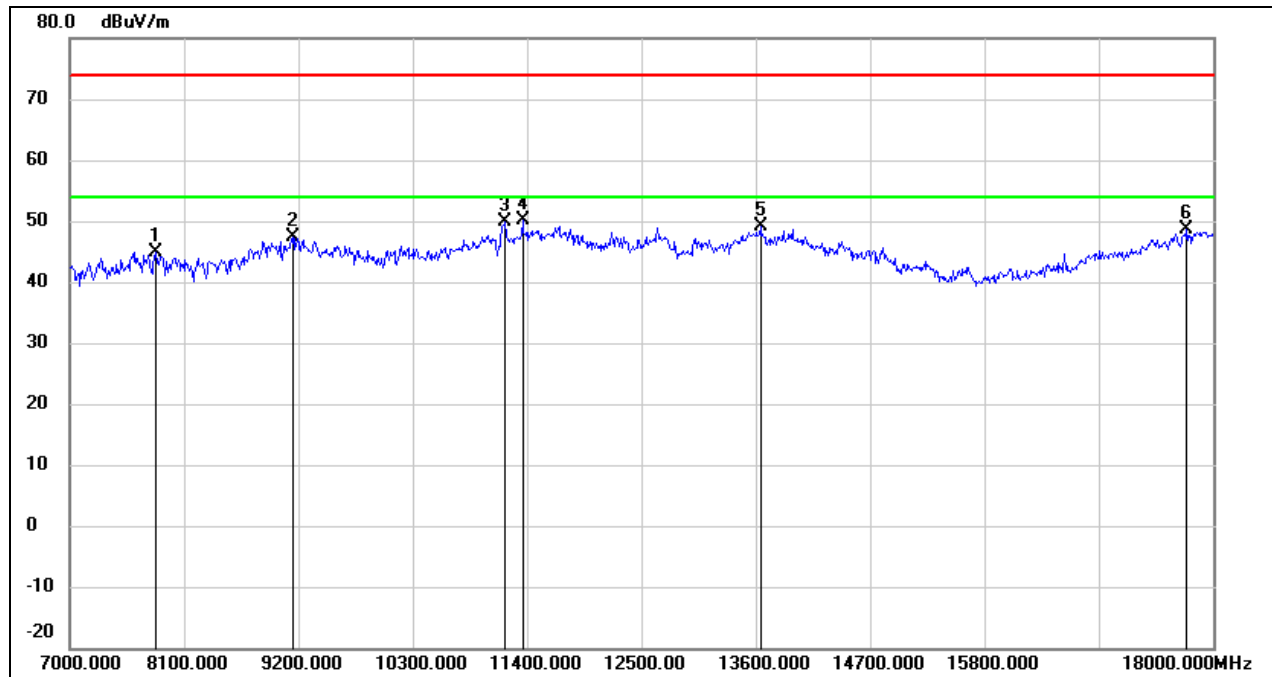
Test Mode:	802.11n HT40	Channel:	5510 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	37.23	10.43	47.66	74.00	-26.34	peak
2	11015.000	44.37	14.79	59.16	74.00	-14.84	peak
3	11015.000	32.31	14.79	47.10	54.00	-6.90	AVG
4	11829.000	32.18	17.38	49.56	74.00	-24.44	peak
5	12709.000	30.42	18.09	48.51	74.00	-25.49	peak
6	13974.000	26.52	21.82	48.34	74.00	-25.66	peak
7	17978.000	23.36	25.97	49.33	74.00	-24.67	peak



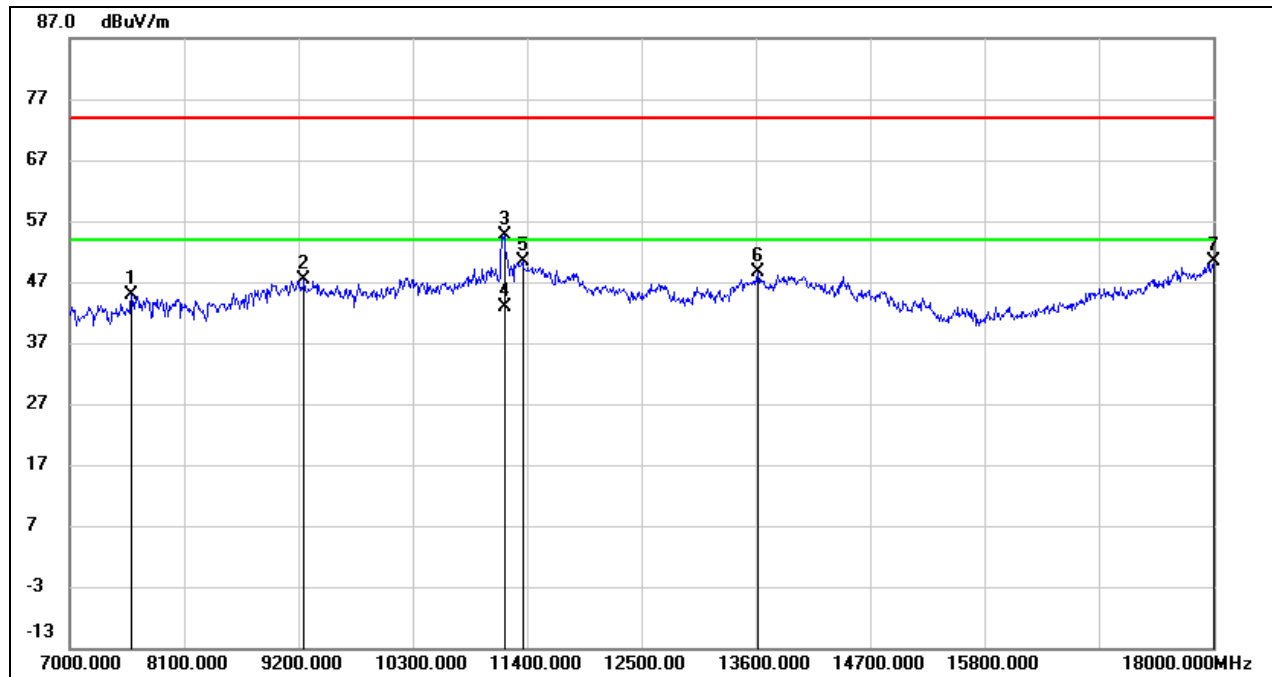
Test Mode:	802.11n HT40	Channel:	5550 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7825.000	38.34	6.58	44.92	74.00	-29.08	peak
2	9145.000	36.93	10.43	47.36	74.00	-26.64	peak
3	11191.000	34.37	15.50	49.87	74.00	-24.13	peak
4	11356.000	33.99	16.19	50.18	74.00	-23.82	peak
5	13644.000	28.04	20.99	49.03	74.00	-24.97	peak
6	17747.000	24.17	24.39	48.56	74.00	-25.44	peak



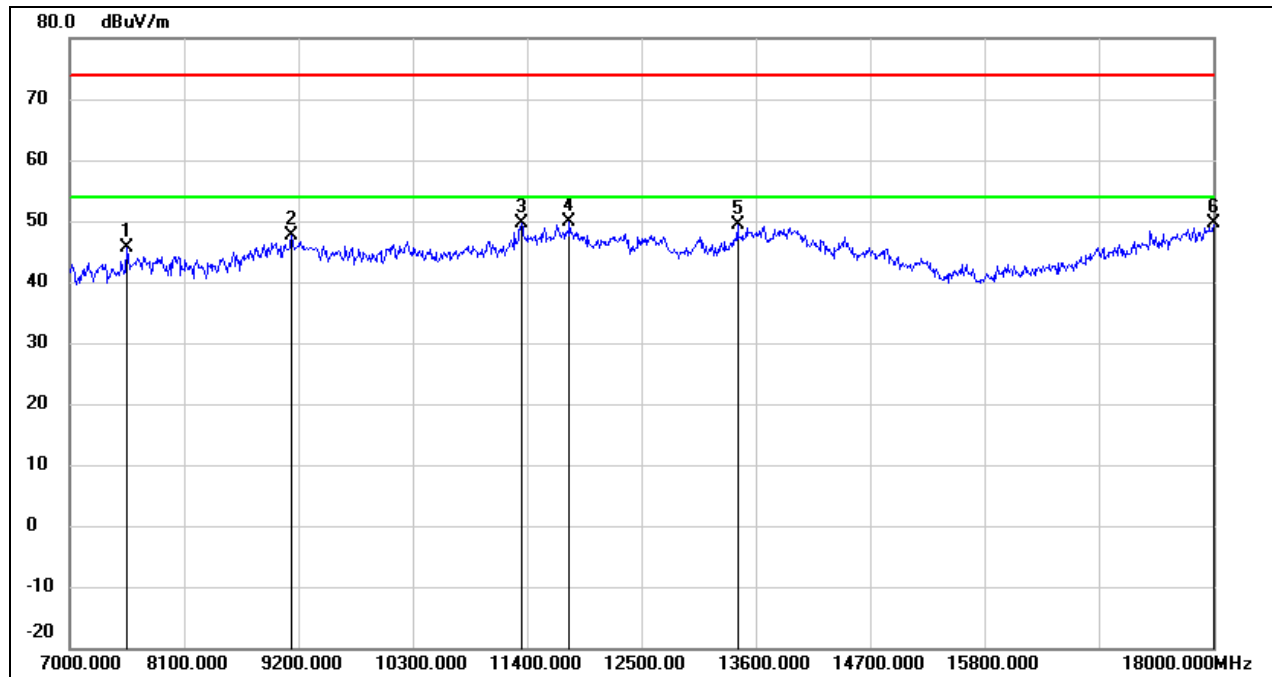
Test Mode:	802.11n HT40	Channel:	5550 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7594.000	37.97	6.79	44.76	74.00	-29.24	peak
2	9255.000	36.83	10.51	47.34	74.00	-26.66	peak
3	11180.000	39.19	15.46	54.65	74.00	-19.35	peak
4	11180.000	27.34	15.46	42.80	54.00	-11.20	AVG
5	11356.000	34.13	16.19	50.32	74.00	-23.68	peak
6	13622.000	27.68	20.95	48.63	74.00	-25.37	peak
7	18000.000	24.15	26.12	50.27	74.00	-23.73	peak



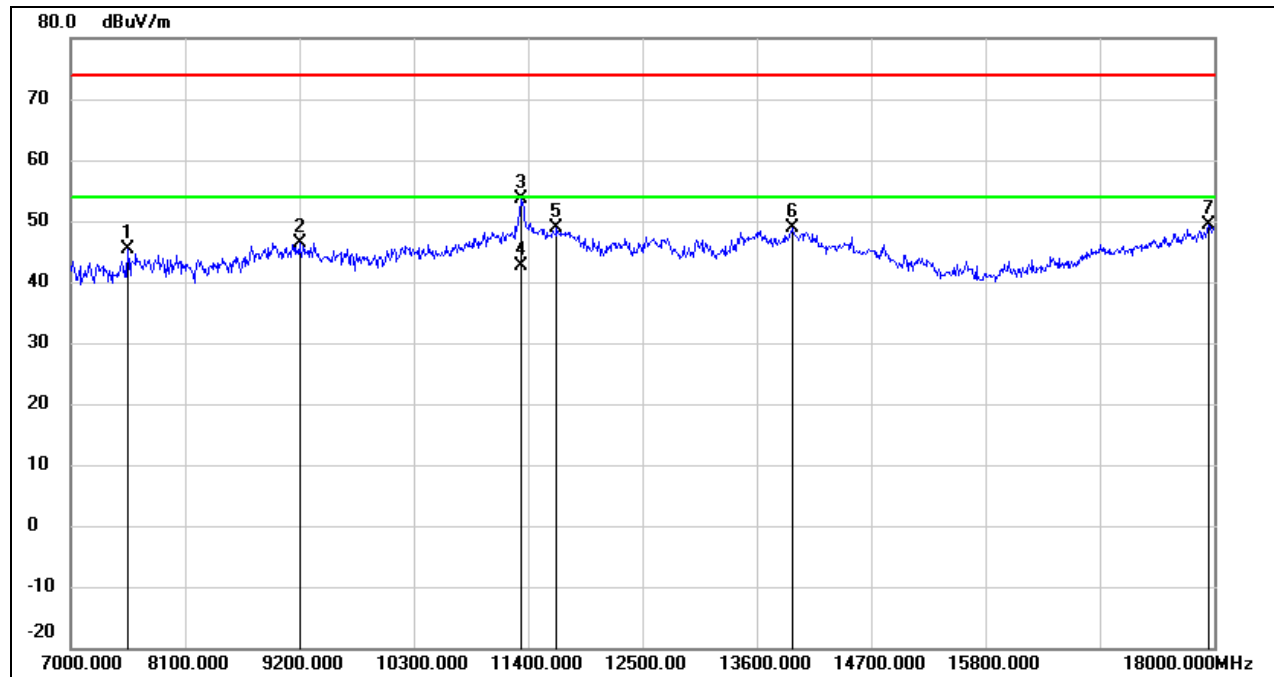
Test Mode:	802.11n HT40	Channel:	5670 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7550.000	38.92	6.83	45.75	74.00	-28.25	peak
2	9134.000	37.22	10.41	47.63	74.00	-26.37	peak
3	11345.000	33.45	16.14	49.59	74.00	-24.41	peak
4	11807.000	32.57	17.34	49.91	74.00	-24.09	peak
5	13424.000	28.99	20.30	49.29	74.00	-24.71	peak
6	18000.000	23.44	26.12	49.56	74.00	-24.44	peak



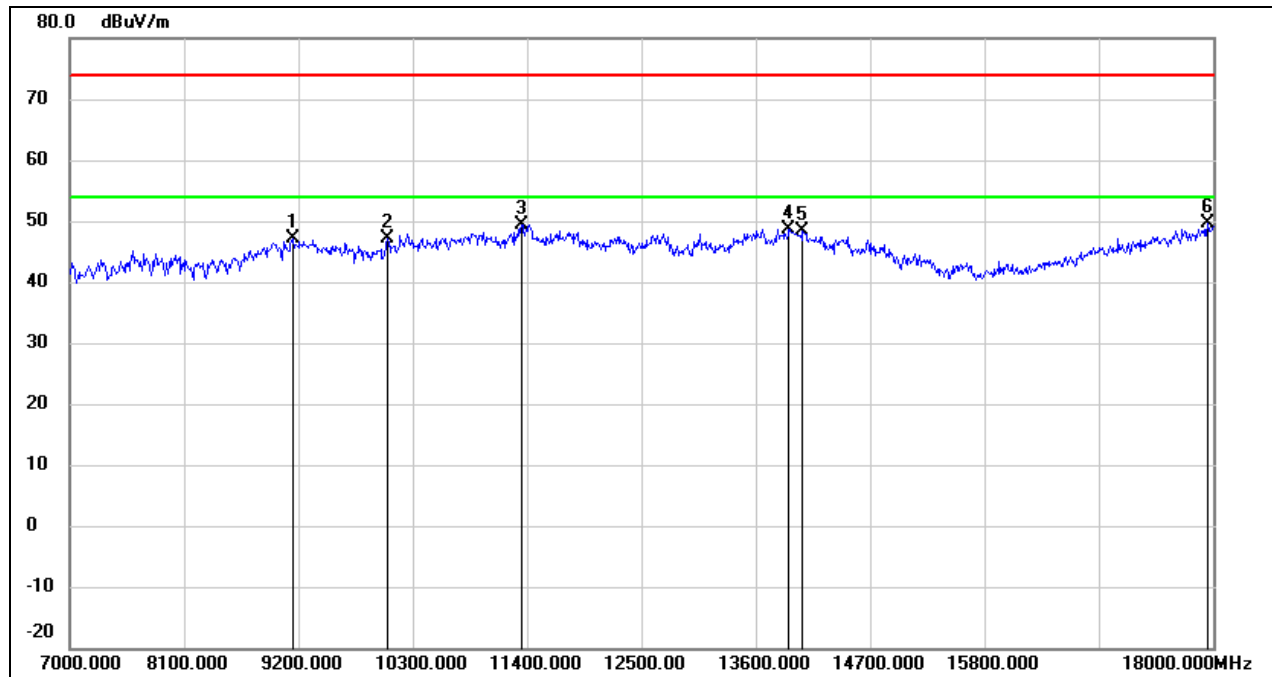
Test Mode:	802.11n HT40	Channel:	5670 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7550.000	38.52	6.83	45.35	74.00	-28.65	peak
2	9200.000	35.88	10.46	46.34	74.00	-27.66	peak
3	11334.000	37.58	16.09	53.67	74.00	-20.33	peak
4	11334.000	26.51	16.09	42.60	54.00	-11.40	AVG
5	11675.000	31.66	17.10	48.76	74.00	-25.24	peak
6	13941.000	27.08	21.73	48.81	74.00	-25.19	peak
7	17945.000	23.52	25.75	49.27	74.00	-24.73	peak



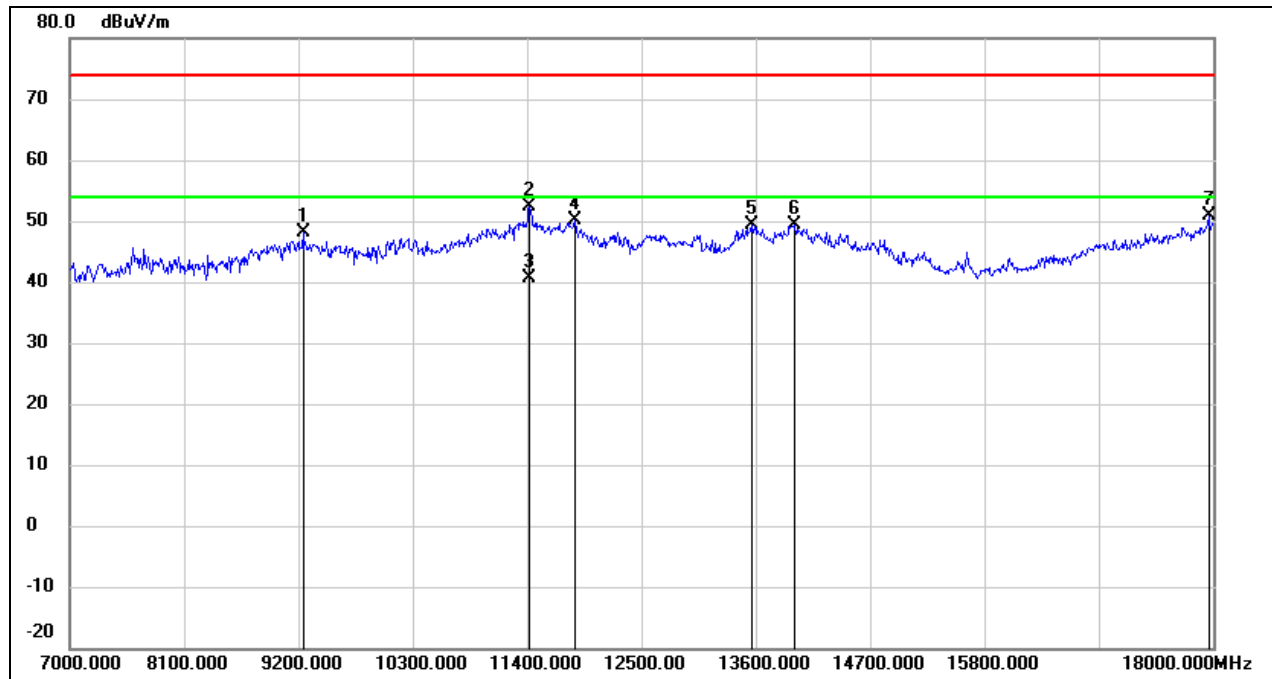
Test Mode:	802.11n HT40	Channel:	5710 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9145.000	36.72	10.43	47.15	74.00	-26.85	peak
2	10058.000	35.33	11.89	47.22	74.00	-26.78	peak
3	11345.000	33.30	16.14	49.44	74.00	-24.56	peak
4	13919.000	26.97	21.68	48.65	74.00	-25.35	peak
5	14051.000	26.64	21.67	48.31	74.00	-25.69	peak
6	17945.000	23.76	25.75	49.51	74.00	-24.49	peak



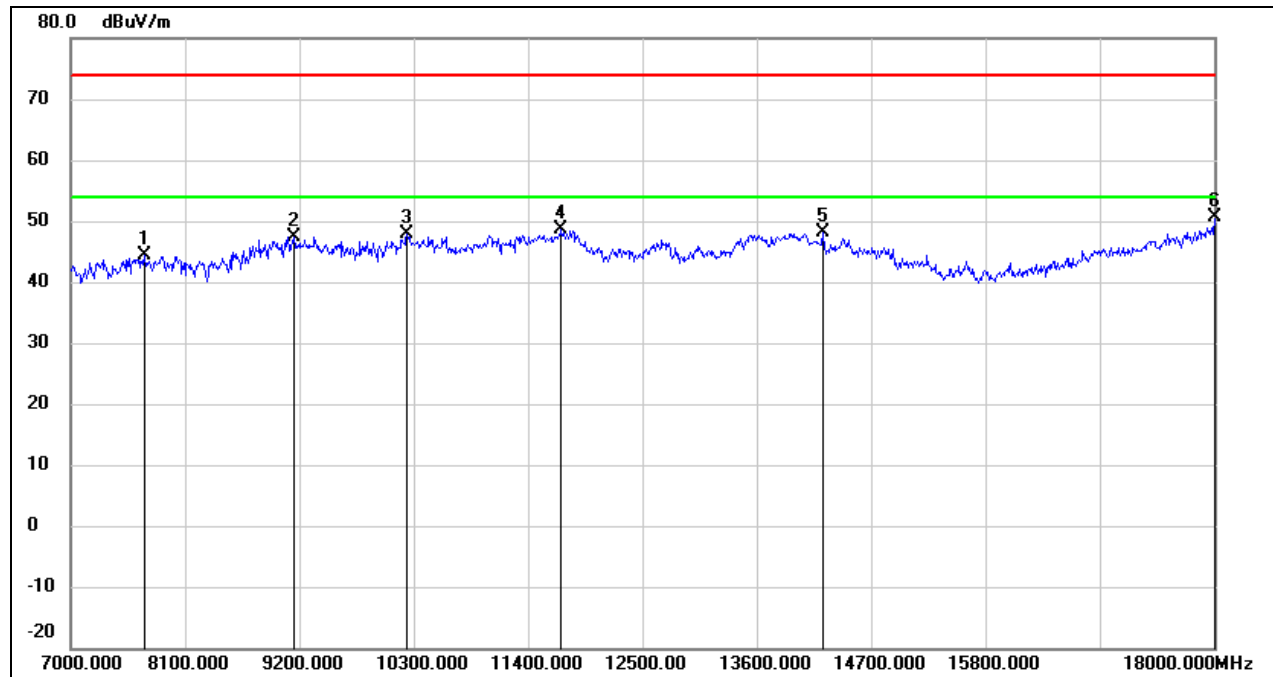
Test Mode:	802.11n HT40	Channel:	5710 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	37.60	10.49	48.09	74.00	-25.91	peak
2	11422.000	35.96	16.46	52.42	74.00	-21.58	peak
3	11422.000	24.14	16.46	40.60	54.00	-13.40	AVG
4	11862.000	32.59	17.45	50.04	74.00	-23.96	peak
5	13556.000	28.59	20.78	49.37	74.00	-24.63	peak
6	13974.000	27.45	21.82	49.27	74.00	-24.73	peak
7	17956.000	24.99	25.82	50.81	74.00	-23.19	peak



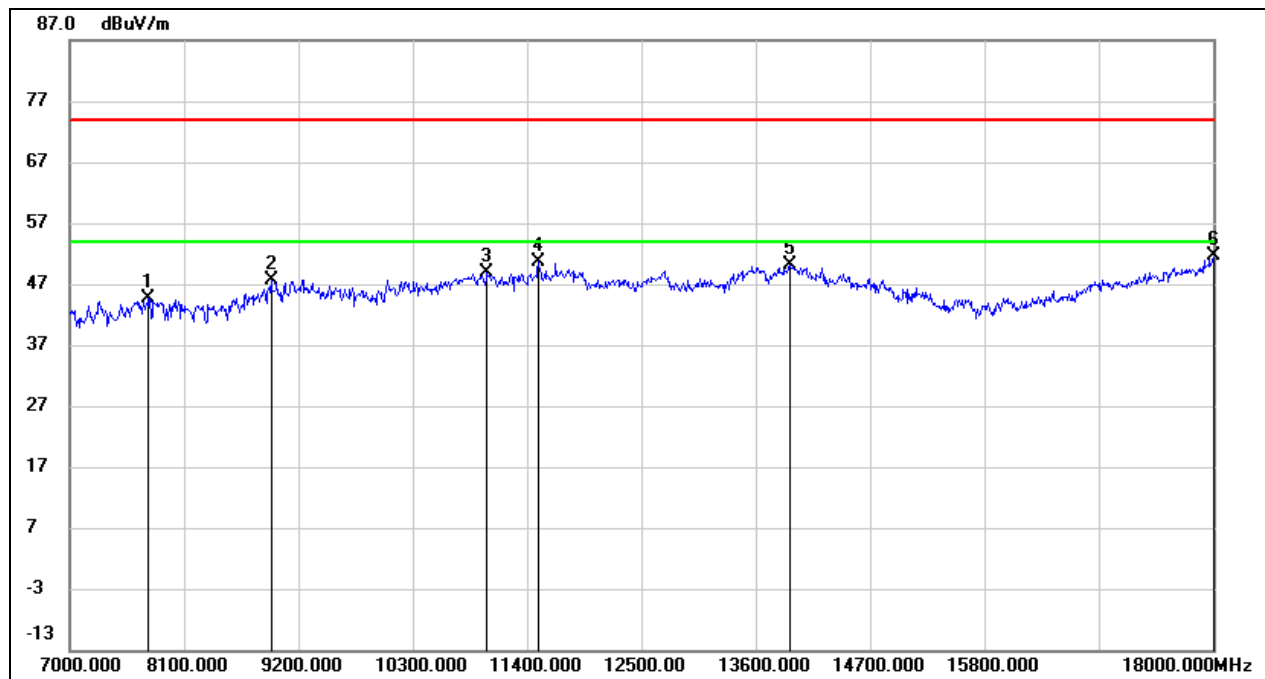
Test Mode:	802.11n HT40	Channel:	5755 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7704.000	37.58	6.69	44.27	74.00	-29.73	peak
2	9145.000	37.05	10.43	47.48	74.00	-26.52	peak
3	10234.000	35.50	12.26	47.76	74.00	-26.24	peak
4	11719.000	31.39	17.18	48.57	74.00	-25.43	peak
5	14238.000	27.28	20.88	48.16	74.00	-25.84	peak
6	18000.000	24.56	26.12	50.68	74.00	-23.32	peak



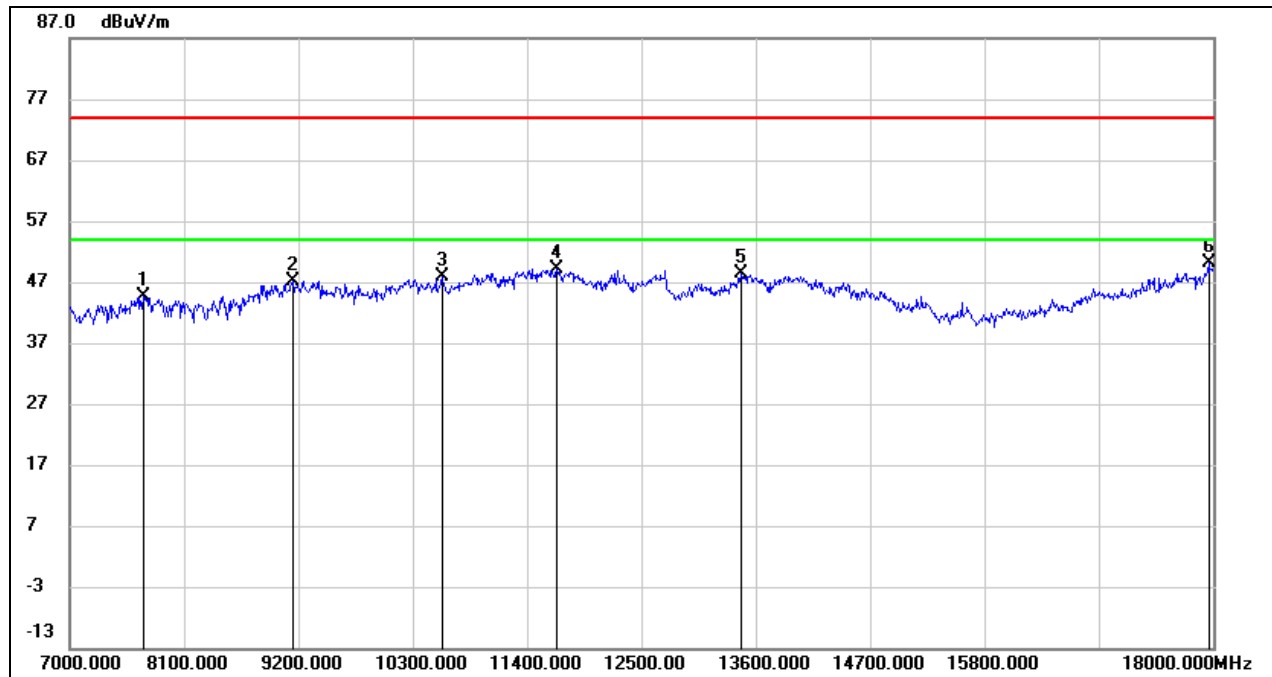
Test Mode:	802.11n HT40	Channel:	5755 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7759.000	37.98	6.64	44.62	74.00	-29.38	peak
2	8936.000	37.84	9.90	47.74	74.00	-26.26	peak
3	11015.000	34.18	14.79	48.97	74.00	-25.03	peak
4	11510.000	33.83	16.79	50.62	74.00	-23.38	peak
5	13930.000	28.31	21.71	50.02	74.00	-23.98	peak
6	18000.000	25.44	26.12	51.56	74.00	-22.44	peak



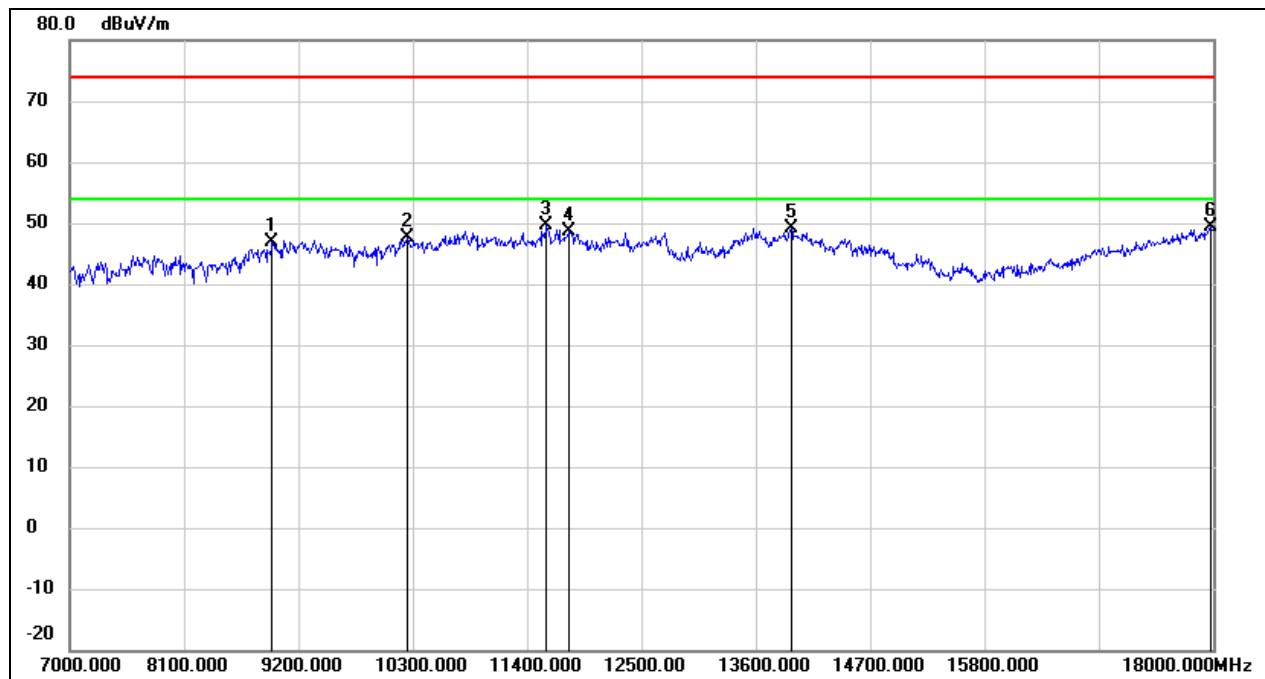
Test Mode:	802.11n HT40	Channel:	5795 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7704.000	37.88	6.69	44.57	74.00	-29.43	peak
2	9145.000	36.63	10.43	47.06	74.00	-26.94	peak
3	10586.000	34.85	13.15	48.00	74.00	-26.00	peak
4	11686.000	32.04	17.12	49.16	74.00	-24.84	peak
5	13457.000	27.99	20.46	48.45	74.00	-25.55	peak
6	17956.000	24.24	25.82	50.06	74.00	-23.94	peak



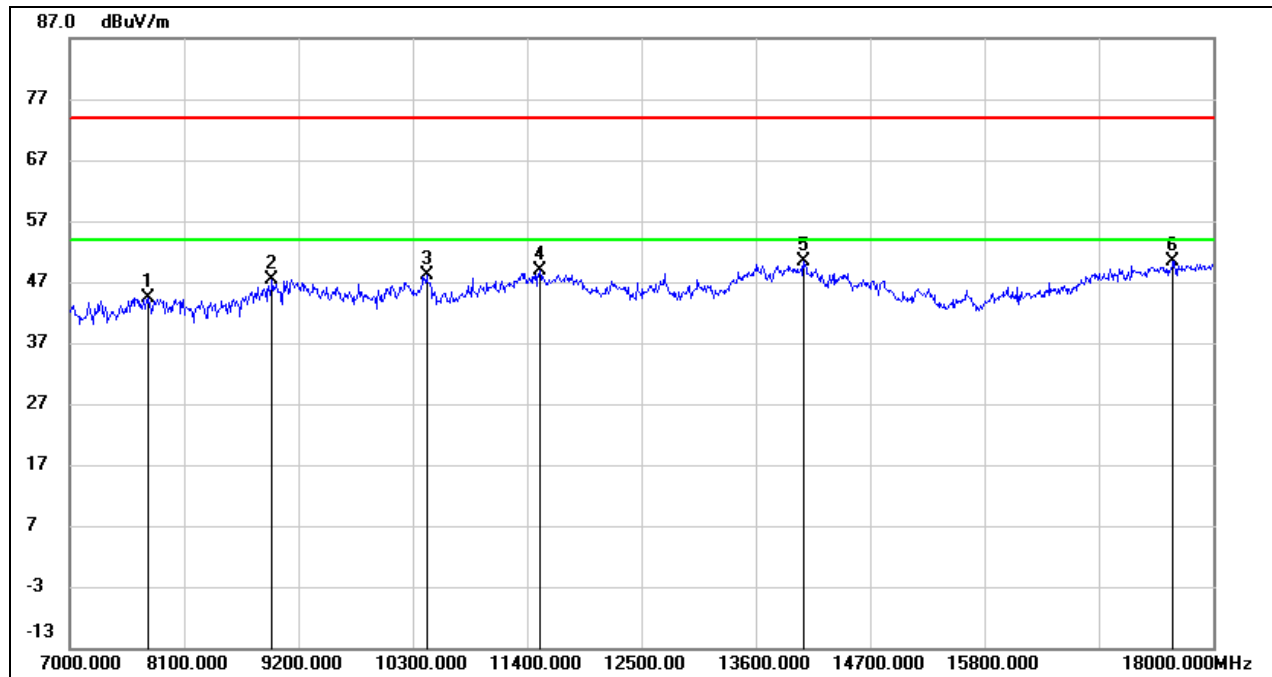
Test Mode:	802.11n HT40	Channel:	5795 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8947.000	36.78	9.98	46.76	74.00	-27.24	peak
2	10245.000	35.28	12.28	47.56	74.00	-26.44	peak
3	11587.000	32.77	16.93	49.70	74.00	-24.30	peak
4	11796.000	31.34	17.32	48.66	74.00	-25.34	peak
5	13941.000	27.38	21.73	49.11	74.00	-24.89	peak
6	17978.000	23.52	25.97	49.49	74.00	-24.51	peak



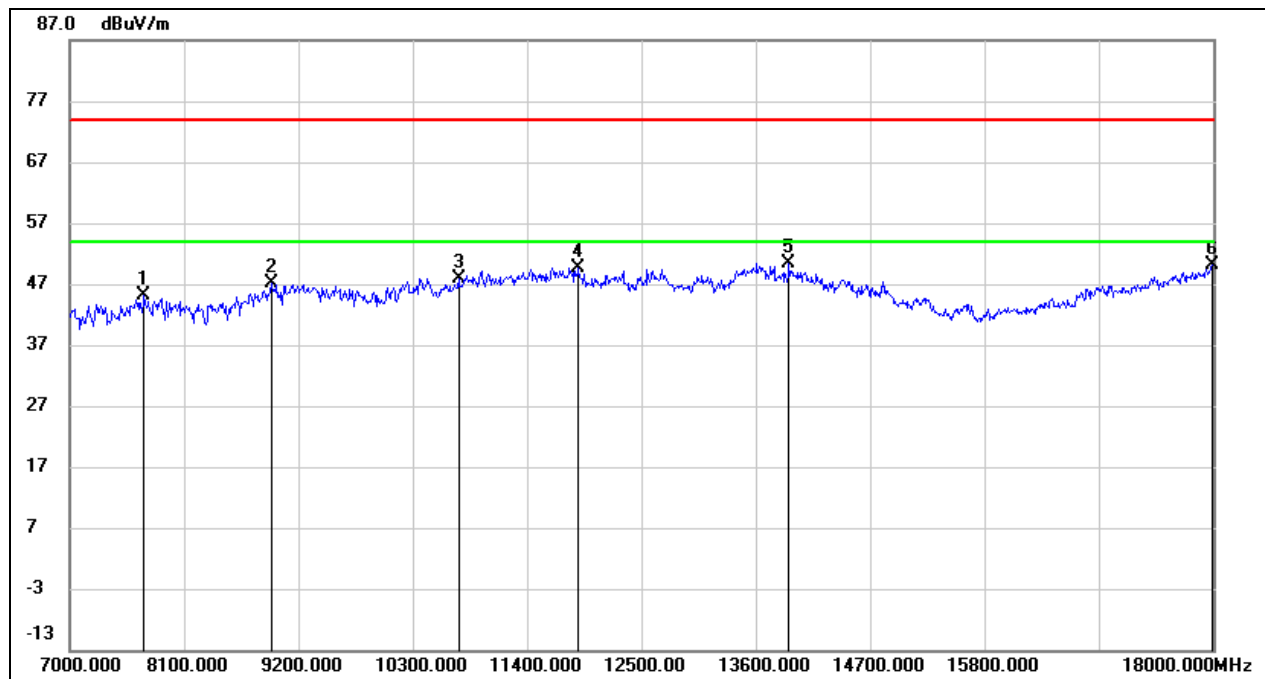
Test Mode:	802.11ac VHT80	Channel:	5210 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7748.000	37.76	6.66	44.42	74.00	-29.58	peak
2	8947.000	37.28	9.98	47.26	74.00	-26.74	peak
3	10432.000	35.45	12.67	48.12	74.00	-25.88	peak
4	11521.000	32.06	16.82	48.88	74.00	-25.12	peak
5	14062.000	28.64	21.62	50.26	74.00	-23.74	peak
6	17615.000	27.01	23.49	50.50	74.00	-23.50	peak



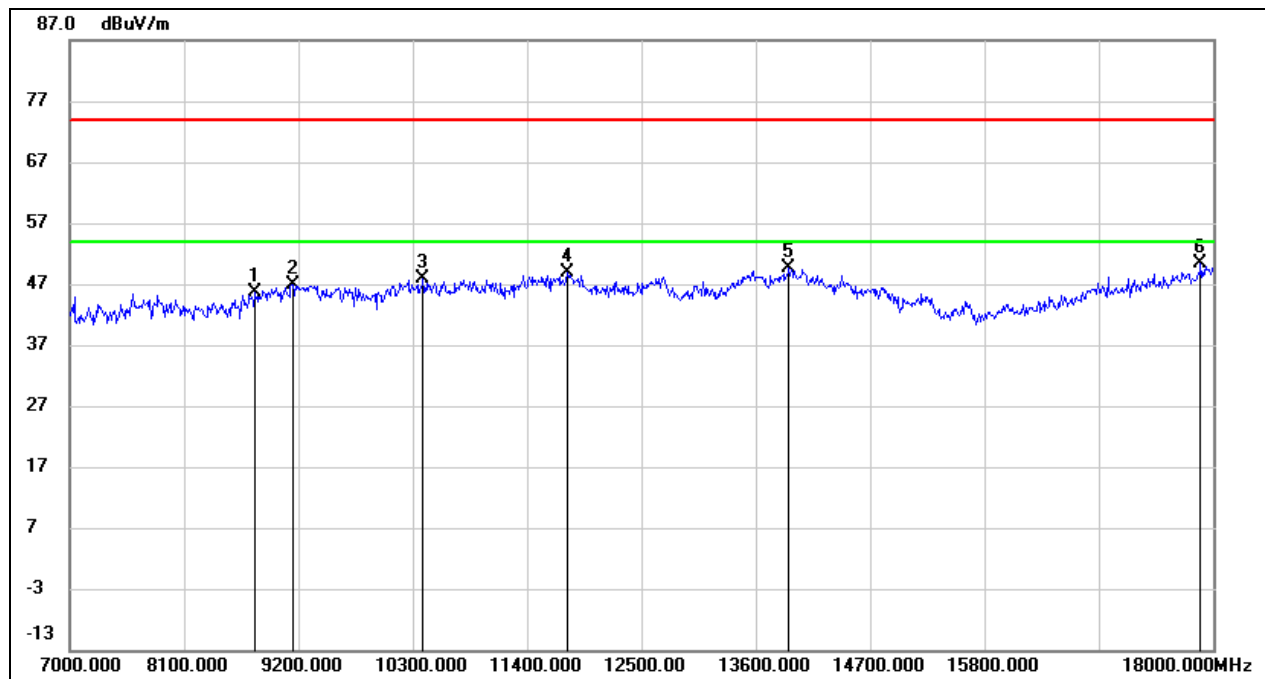
Test Mode:	802.11ac VHT80	Channel:	5210 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7715.000	38.53	6.68	45.21	74.00	-28.79	peak
2	8936.000	37.19	9.90	47.09	74.00	-26.91	peak
3	10740.000	34.25	13.73	47.98	74.00	-26.02	peak
4	11895.000	32.24	17.51	49.75	74.00	-24.25	peak
5	13919.000	28.72	21.68	50.40	74.00	-23.60	peak
6	17989.000	24.15	26.04	50.19	74.00	-23.81	peak



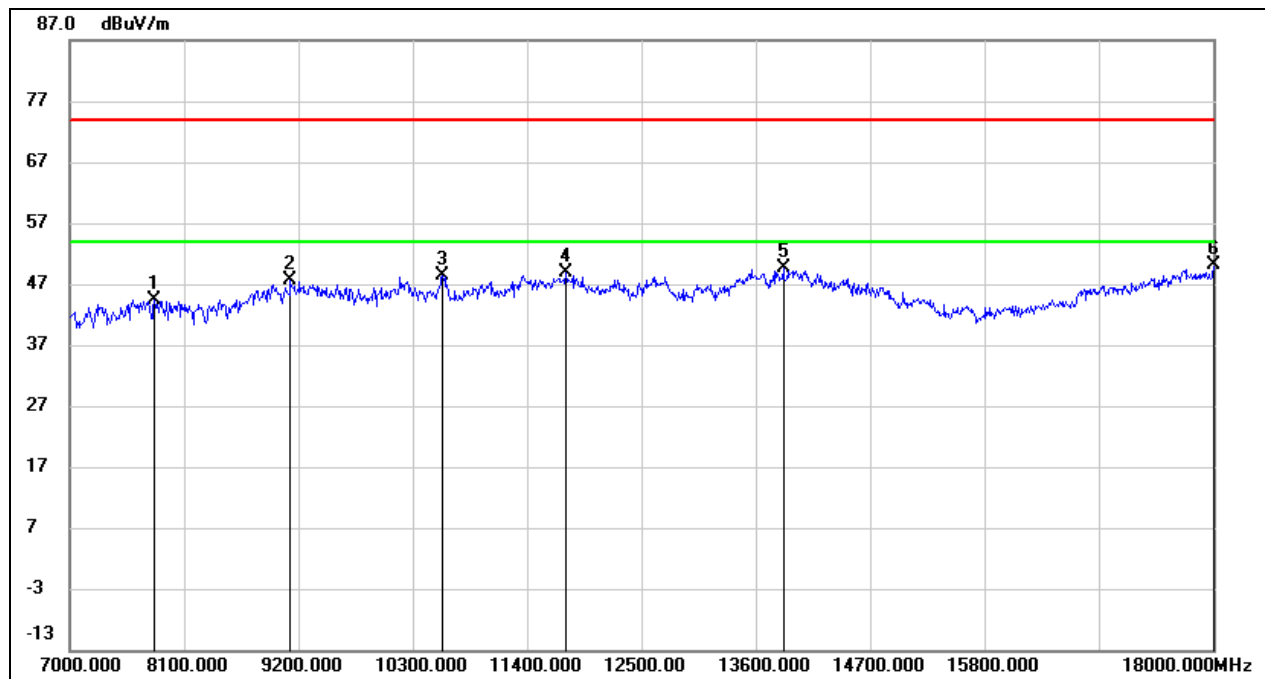
Test Mode:	802.11ac VHT80	Channel:	5290 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8782.000	36.84	8.84	45.68	74.00	-28.32	peak
2	9145.000	36.53	10.43	46.96	74.00	-27.04	peak
3	10399.000	35.33	12.61	47.94	74.00	-26.06	peak
4	11785.000	31.62	17.30	48.92	74.00	-25.08	peak
5	13919.000	27.93	21.68	49.61	74.00	-24.39	peak
6	17879.000	25.14	25.29	50.43	74.00	-23.57	peak



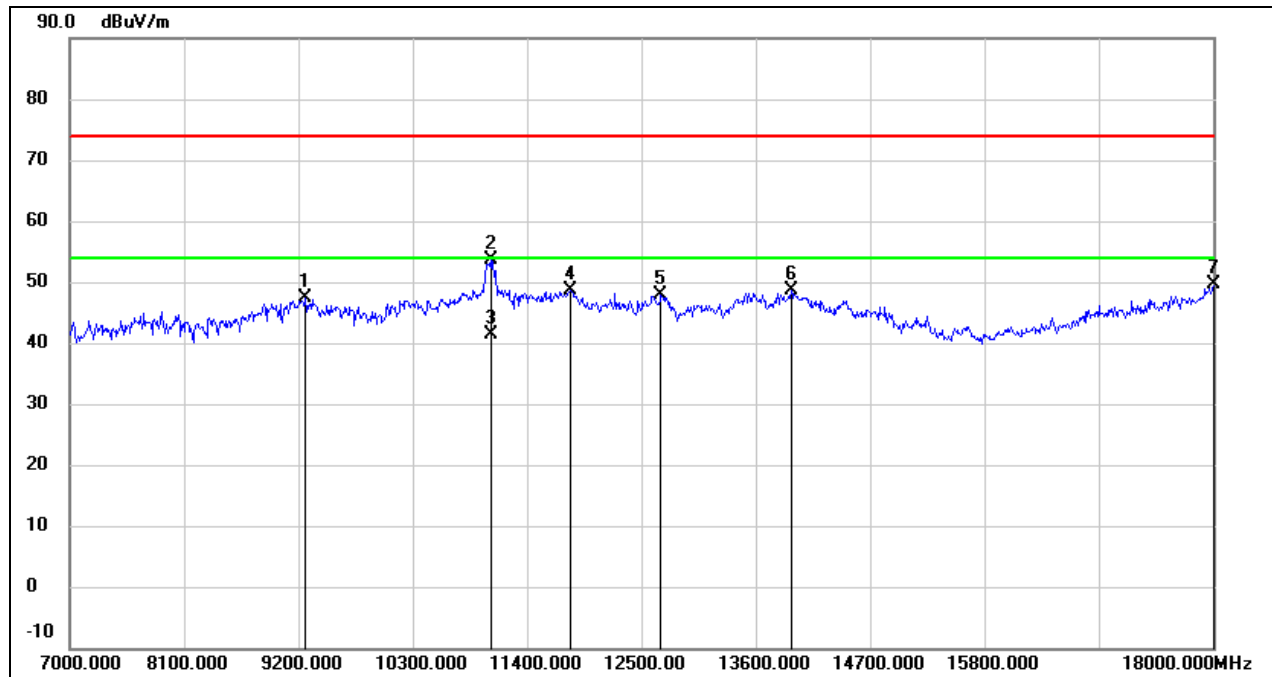
Test Mode:	802.11ac VHT80	Channel:	5290 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7814.000	37.79	6.60	44.39	74.00	-29.61	peak
2	9123.000	37.16	10.42	47.58	74.00	-26.42	peak
3	10586.000	35.26	13.15	48.41	74.00	-25.59	peak
4	11774.000	31.66	17.28	48.94	74.00	-25.06	peak
5	13864.000	28.02	21.53	49.55	74.00	-24.45	peak
6	18000.000	24.08	26.12	50.20	74.00	-23.80	peak



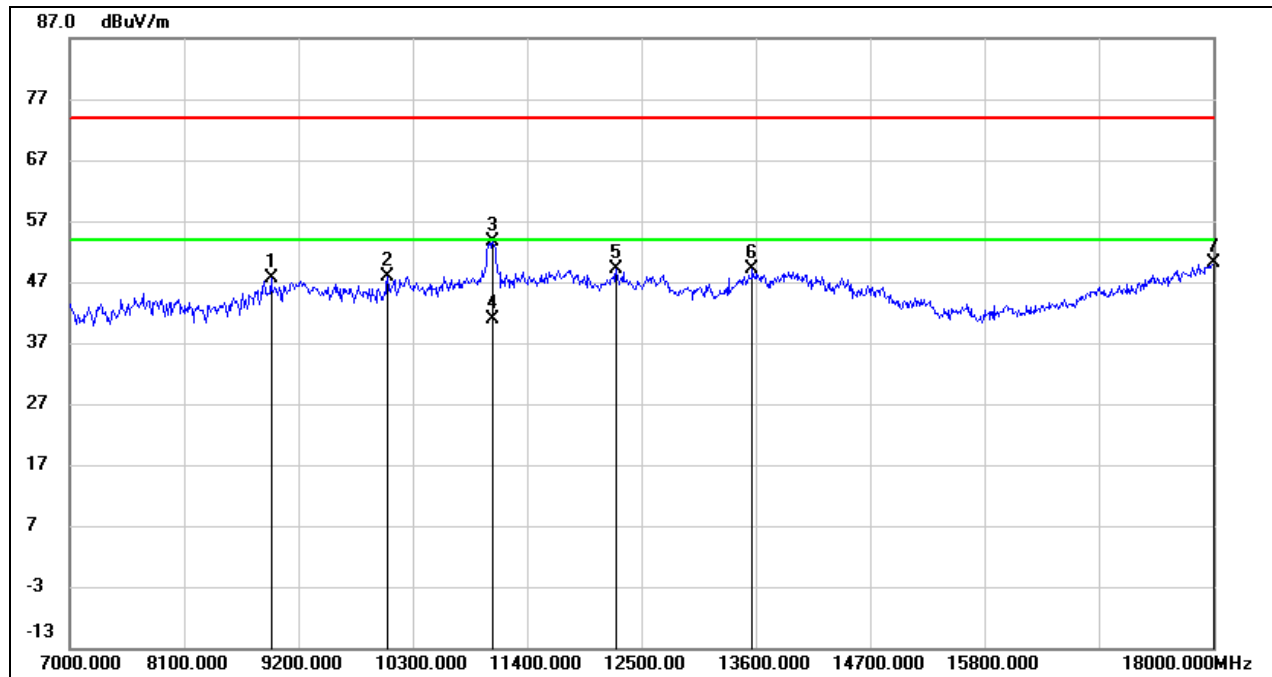
Test Mode:	802.11ac VHT80	Channel:	5530 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9266.000	36.87	10.51	47.38	74.00	-26.62	peak
2	11048.000	38.82	14.91	53.73	74.00	-20.27	peak
3	11048.000	26.59	14.91	41.50	54.00	-12.50	AVG
4	11818.000	31.24	17.36	48.60	74.00	-25.40	peak
5	12687.000	29.90	18.05	47.95	74.00	-26.05	peak
6	13941.000	26.85	21.73	48.58	74.00	-25.42	peak
7	18000.000	23.50	26.12	49.62	74.00	-24.38	peak



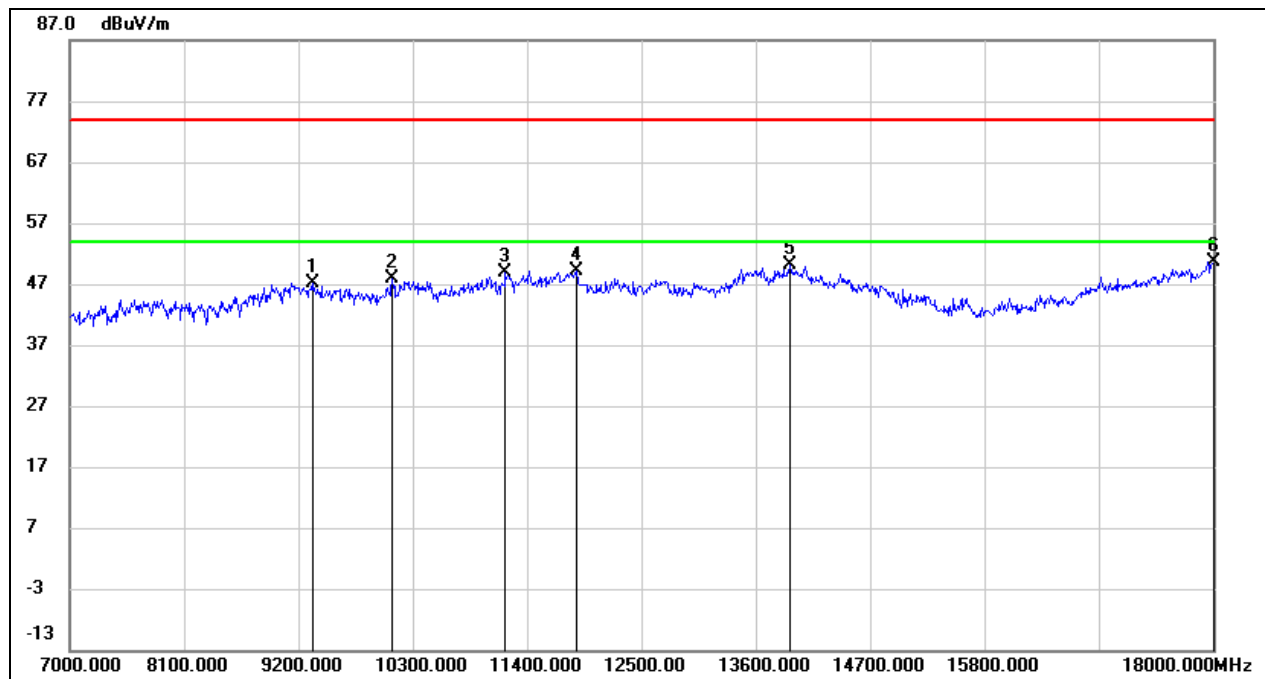
Test Mode:	802.11ac VHT80	Channel:	5530 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8936.000	37.74	9.90	47.64	74.00	-26.36	peak
2	10058.000	36.00	11.89	47.89	74.00	-26.11	peak
3	11070.000	38.70	15.01	53.71	74.00	-20.29	peak
4	11070.000	25.99	15.01	41.00	54.00	-13.00	AVG
5	12258.000	31.29	17.77	49.06	74.00	-24.94	peak
6	13567.000	28.44	20.80	49.24	74.00	-24.76	peak
7	18000.000	24.02	26.12	50.14	74.00	-23.86	peak



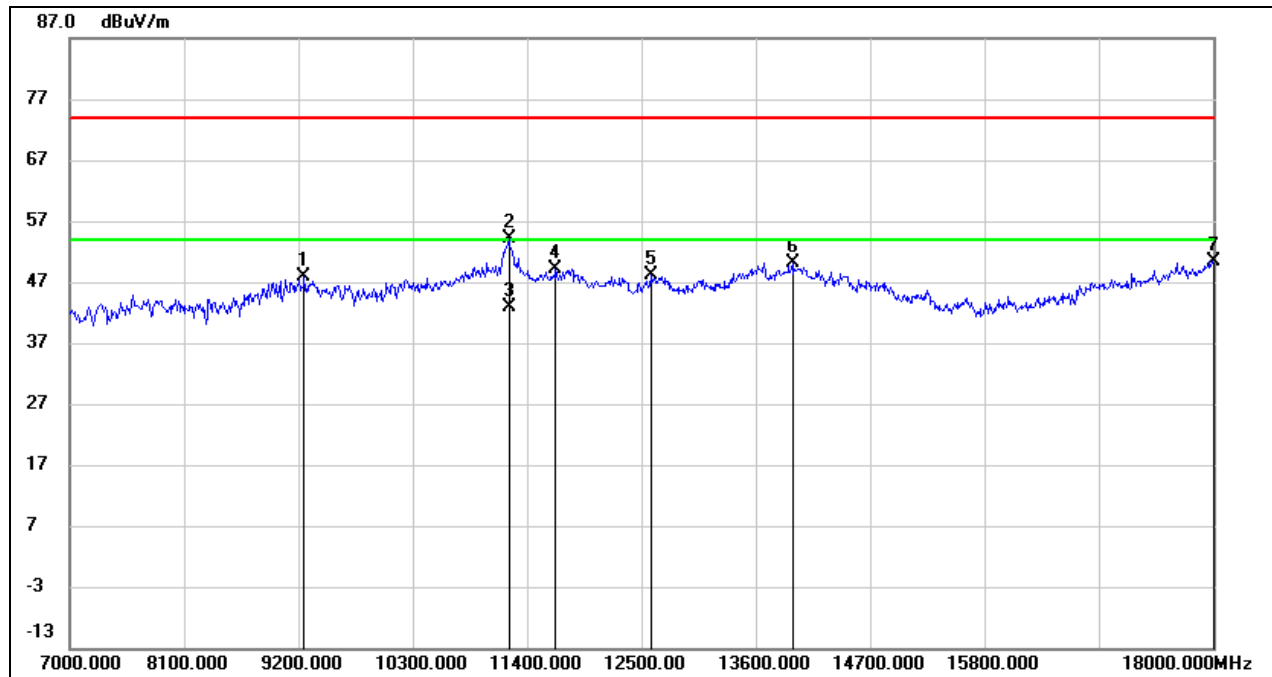
Test Mode:	802.11ac VHT80	Channel:	5610 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9332.000	36.63	10.54	47.17	74.00	-26.83	peak
2	10102.000	35.98	11.98	47.96	74.00	-26.04	peak
3	11191.000	33.28	15.50	48.78	74.00	-25.22	peak
4	11873.000	31.70	17.46	49.16	74.00	-24.84	peak
5	13930.000	28.39	21.71	50.10	74.00	-23.90	peak
6	18000.000	24.49	26.12	50.61	74.00	-23.39	peak



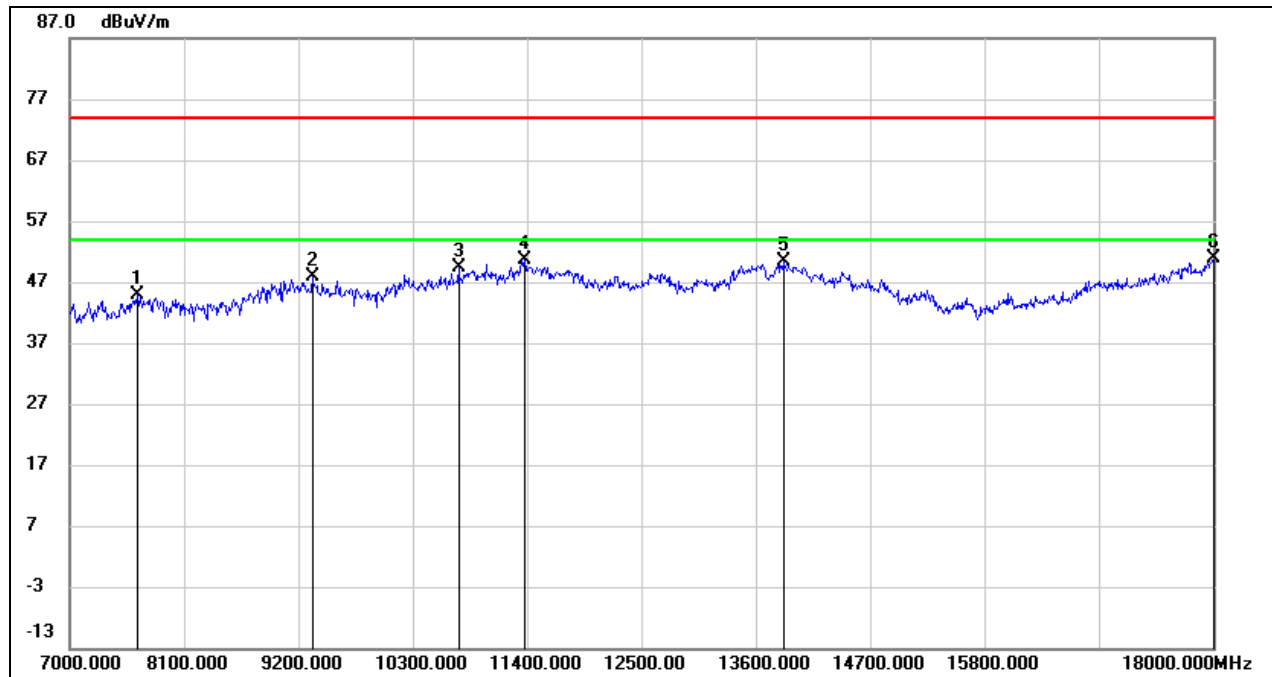
Test Mode:	802.11ac VHT80	Channel:	5610 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9255.000	37.41	10.51	47.92	74.00	-26.08	peak
2	11224.000	38.51	15.64	54.15	74.00	-19.85	peak
3	11224.000	27.16	15.64	42.80	54.00	-11.20	AVG
4	11675.000	31.92	17.10	49.02	74.00	-24.98	peak
5	12588.000	30.13	17.94	48.07	74.00	-25.93	peak
6	13952.000	28.28	21.76	50.04	74.00	-23.96	peak
7	18000.000	24.36	26.12	50.48	74.00	-23.52	peak



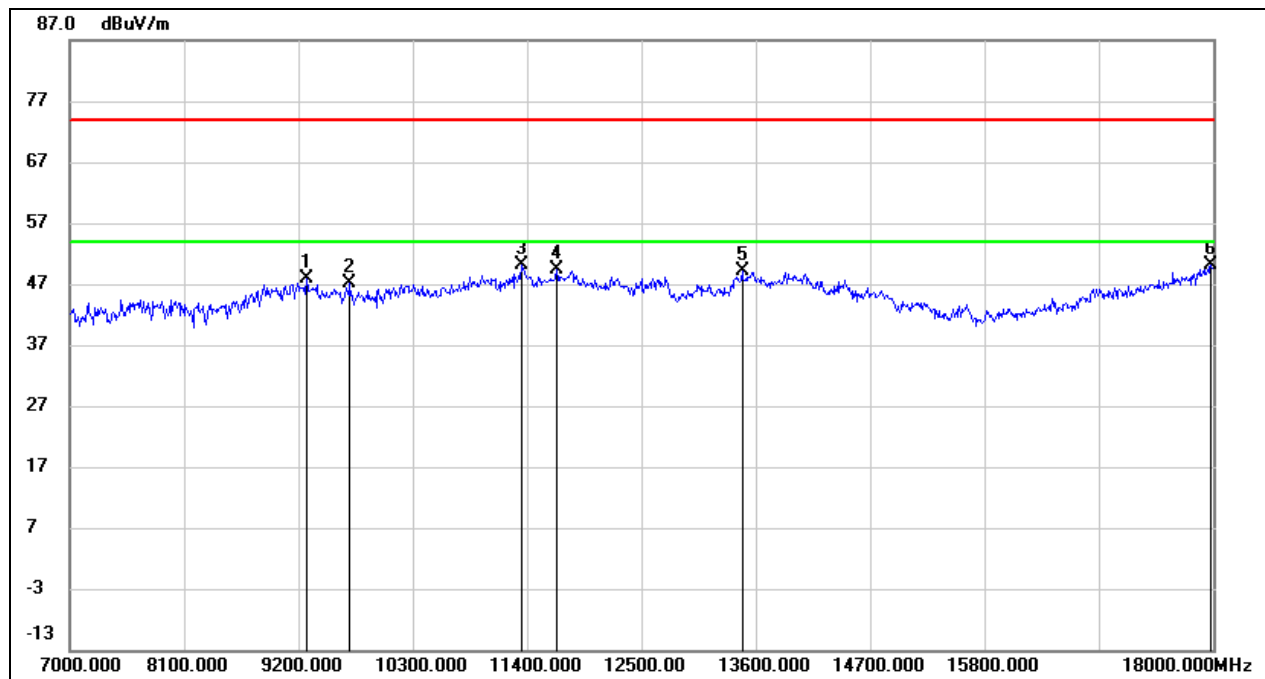
Test Mode:	802.11ac VHT80	Channel:	5690 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7649.000	38.14	6.74	44.88	74.00	-29.12	peak
2	9332.000	37.22	10.54	47.76	74.00	-26.24	peak
3	10740.000	35.75	13.73	49.48	74.00	-24.52	peak
4	11378.000	34.45	16.26	50.71	74.00	-23.29	peak
5	13864.000	28.75	21.53	50.28	74.00	-23.72	peak
6	18000.000	24.74	26.12	50.86	74.00	-23.14	peak



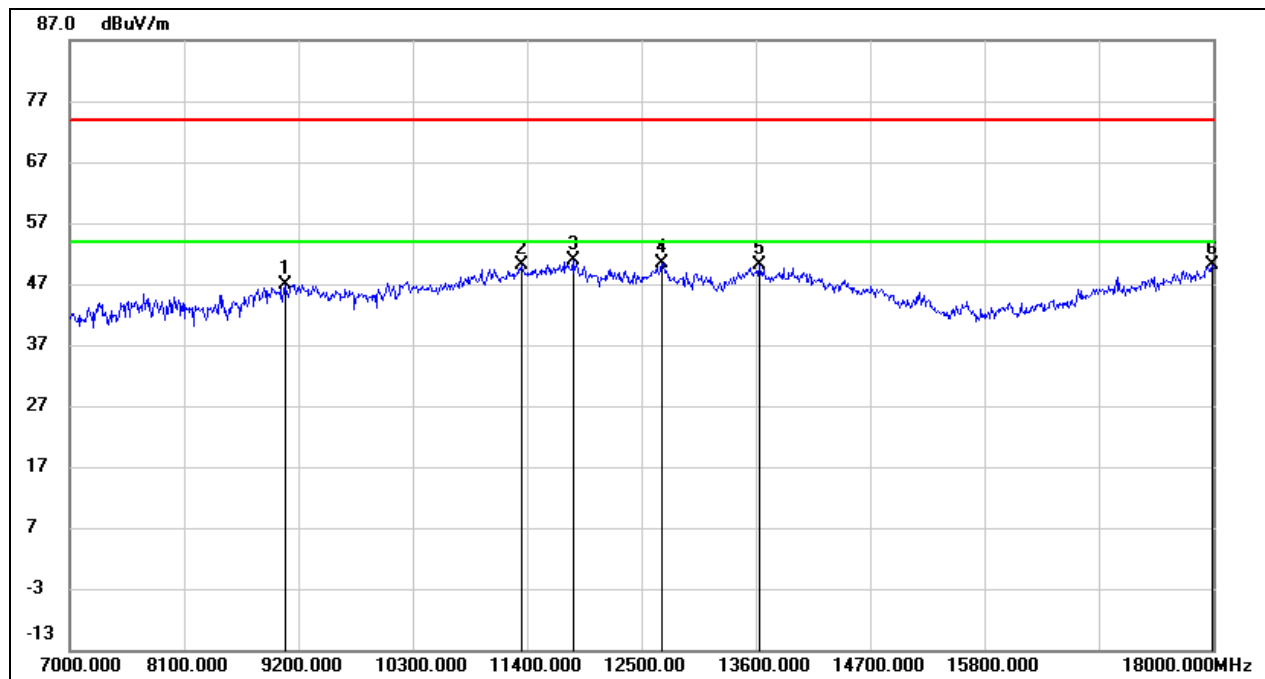
Test Mode:	802.11ac VHT80	Channel:	5690 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9277.000	37.42	10.51	47.93	74.00	-26.07	peak
2	9695.000	35.93	11.10	47.03	74.00	-26.97	peak
3	11345.000	34.05	16.14	50.19	74.00	-23.81	peak
4	11686.000	32.23	17.12	49.35	74.00	-24.65	peak
5	13468.000	28.56	20.50	49.06	74.00	-24.94	peak
6	17978.000	24.23	25.97	50.20	74.00	-23.80	peak



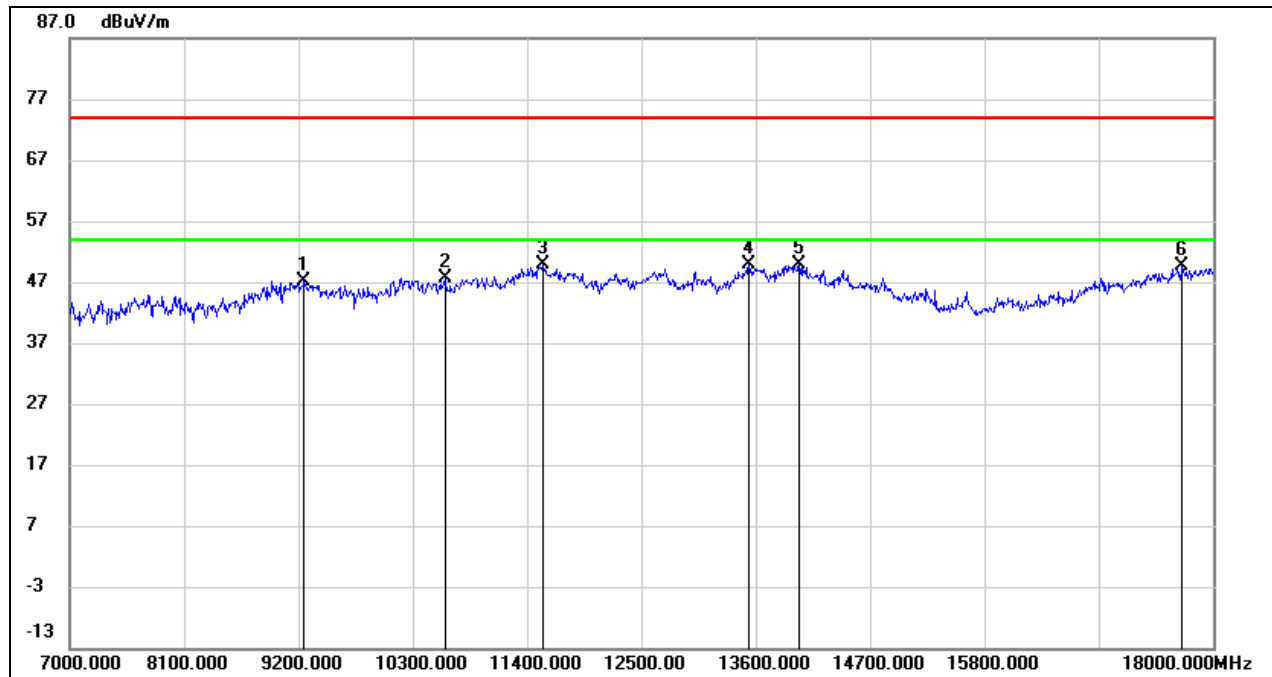
Test Mode:	802.11ac VHT80	Channel:	5775 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9068.000	36.58	10.39	46.97	74.00	-27.03	peak
2	11345.000	33.91	16.14	50.05	74.00	-23.95	peak
3	11840.000	33.52	17.40	50.92	74.00	-23.08	peak
4	12698.000	32.34	18.08	50.42	74.00	-23.58	peak
5	13633.000	29.10	20.97	50.07	74.00	-23.93	peak
6	17989.000	24.03	26.04	50.07	74.00	-23.93	peak



Test Mode:	802.11ac VHT80	Channel:	5775 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V

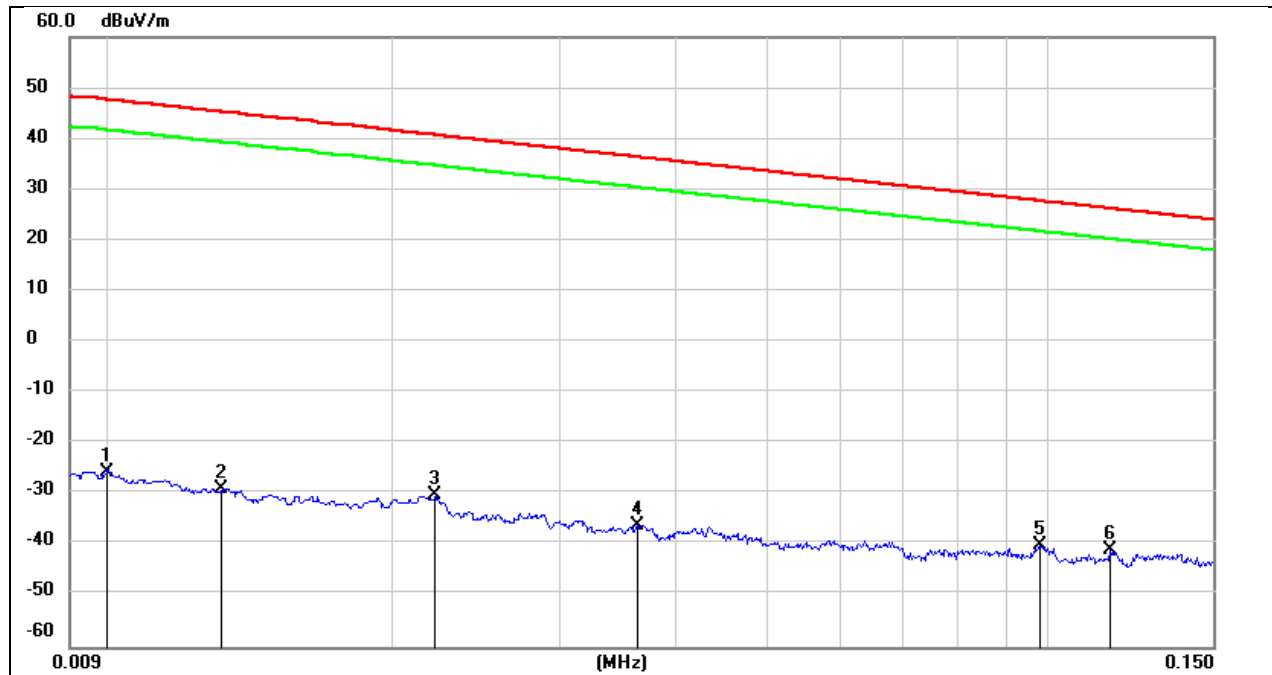


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9255.000	36.64	10.51	47.15	74.00	-26.85	peak
2	10608.000	34.51	13.23	47.74	74.00	-26.26	peak
3	11554.000	33.00	16.87	49.87	74.00	-24.13	peak
4	13534.000	29.16	20.73	49.89	74.00	-24.11	peak
5	14018.000	28.11	21.80	49.91	74.00	-24.09	peak
6	17703.000	25.46	24.09	49.55	74.00	-24.45	peak



8.4. SPURIOUS EMISSIONS (9 KHZ ~ 30 MHZ)

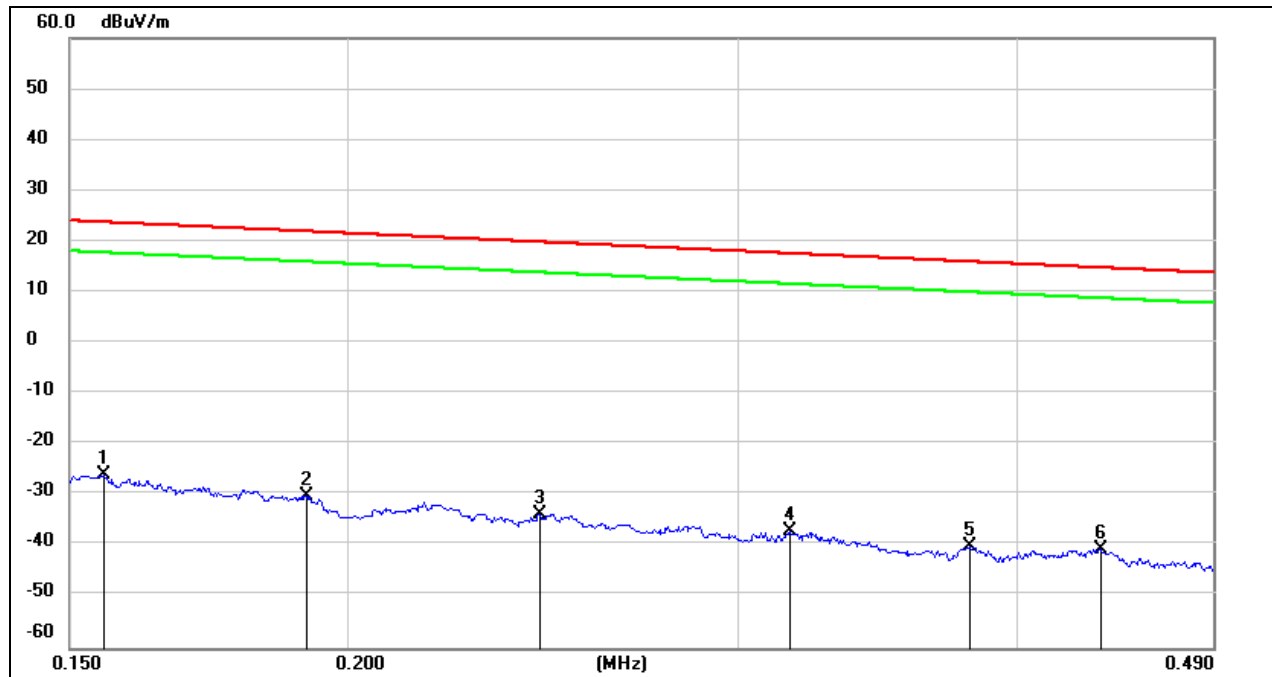
Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.87 V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.01	75.72	-101.4	-25.68	47.6	-77.18	-3.9	-73.28	peak
2	0.0131	72.47	-101.38	-28.91	45.25	-80.41	-6.25	-74.16	peak
3	0.0221	71.13	-101.35	-30.22	40.71	-81.72	-10.79	-70.93	peak
4	0.0364	65.38	-101.42	-36.04	36.38	-87.54	-15.12	-72.42	peak
5	0.0981	61.77	-101.78	-40.01	27.77	-91.51	-23.73	-67.78	peak
6	0.1165	60.74	-101.74	-41	26.28	-92.5	-25.22	-67.28	peak



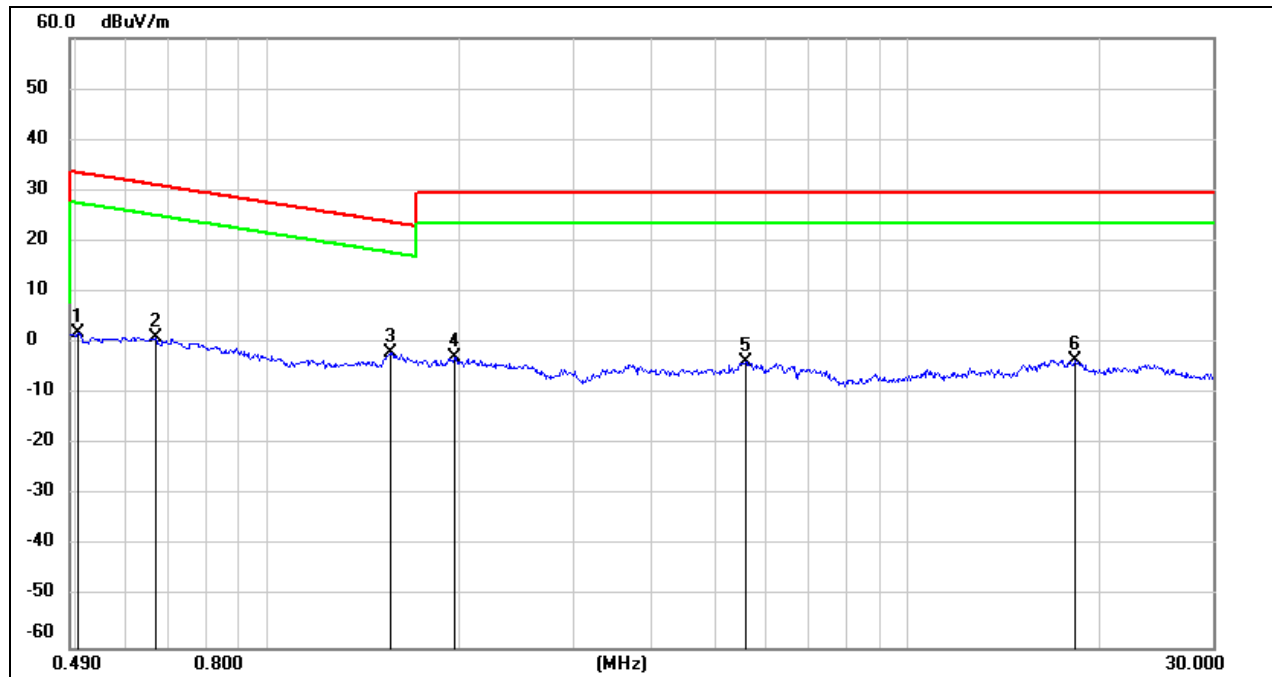
Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.87 V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1554	75.77	-101.65	-25.88	23.77	-77.38	-27.73	-49.65	peak
2	0.1917	71.54	-101.7	-30.16	21.95	-81.66	-29.55	-52.11	peak
3	0.2442	68.03	-101.79	-33.76	19.85	-85.26	-31.65	-53.61	peak
4	0.3163	64.7	-101.87	-37.17	17.6	-88.67	-33.9	-54.77	peak
5	0.3809	61.91	-101.94	-40.03	15.99	-91.53	-35.51	-56.02	peak
6	0.4364	61.36	-101.99	-40.63	14.8	-92.13	-36.7	-55.43	peak



Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Loop Antenna Face On To The EUT	Test Voltage:	DC 3.87 V

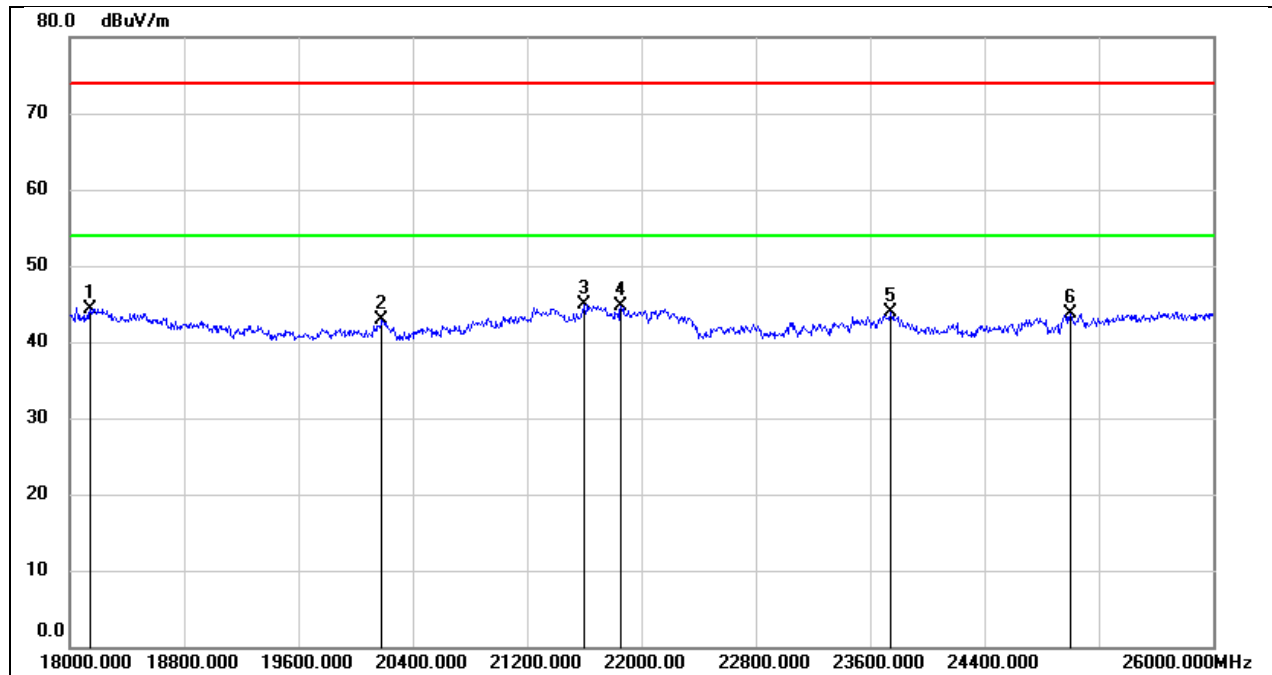


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.5039	63.93	-62.07	1.86	33.56	-49.64	-17.94	-31.7	peak
2	0.6671	63.25	-62.1	1.15	31.12	-50.35	-20.38	-29.97	peak
3	1.5564	60.18	-62.02	-1.84	23.76	-53.34	-27.74	-25.6	peak
4	1.9516	59.11	-61.84	-2.73	29.54	-54.23	-21.96	-32.27	peak
5	5.5952	57.55	-61.41	-3.86	29.54	-55.36	-21.96	-33.4	peak
6	18.2545	57.43	-60.9	-3.47	29.54	-54.97	-21.96	-33.01	peak



8.5. SPURIOUS EMISSIONS (18 GHZ ~ 26 GHZ)

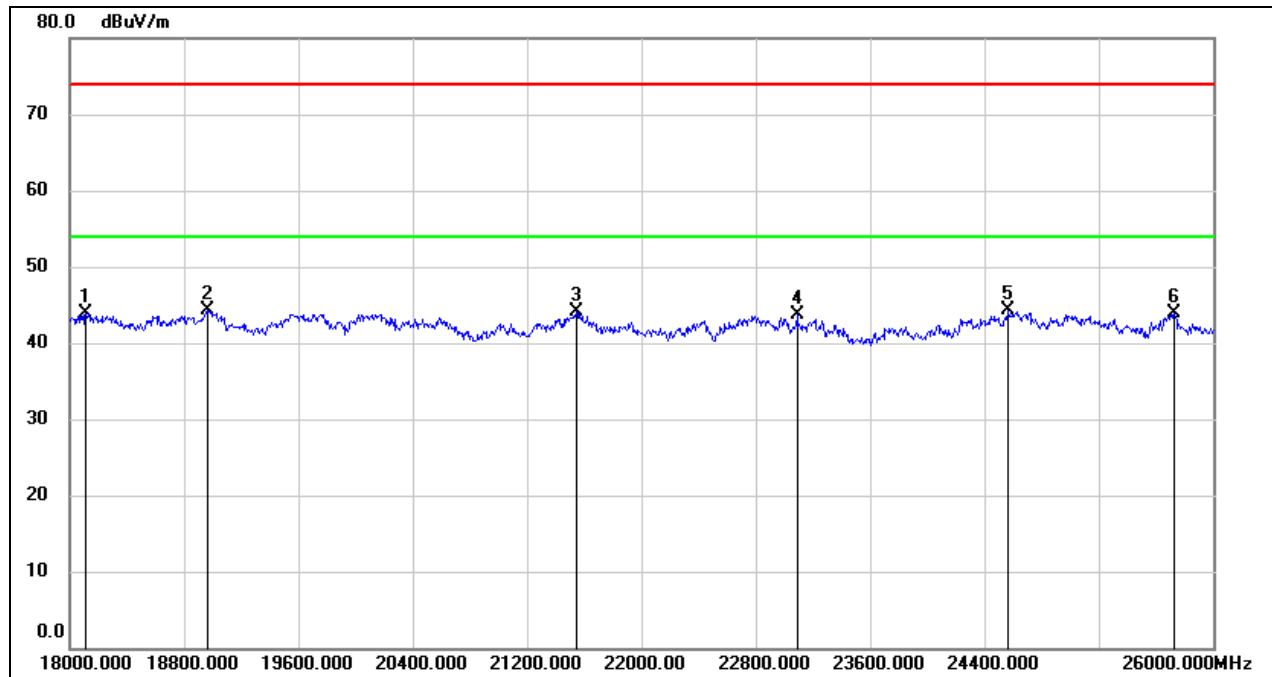
Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	49.77	-5.48	44.29	74.00	-29.71	peak
2	20184.000	48.48	-5.56	42.92	74.00	-31.08	peak
3	21600.000	49.52	-4.54	44.98	74.00	-29.02	peak
4	21856.000	49.02	-4.39	44.63	74.00	-29.37	peak
5	23744.000	47.15	-3.20	43.95	74.00	-30.05	peak
6	25000.000	45.86	-2.10	43.76	74.00	-30.24	peak



Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V

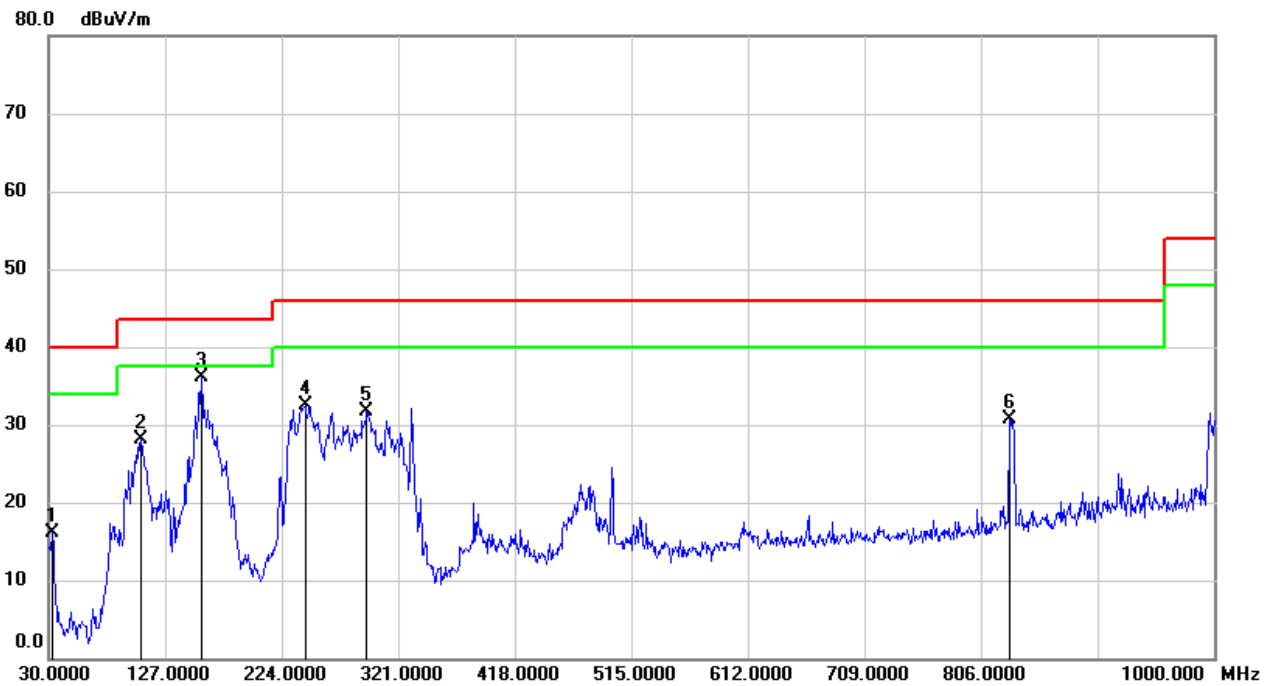


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18112.000	49.46	-5.47	43.99	74.00	-30.01	peak
2	18960.000	49.51	-5.25	44.26	74.00	-29.74	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	23088.000	47.02	-3.41	43.61	74.00	-30.39	peak
5	24568.000	46.60	-2.33	44.27	74.00	-29.73	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak



8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

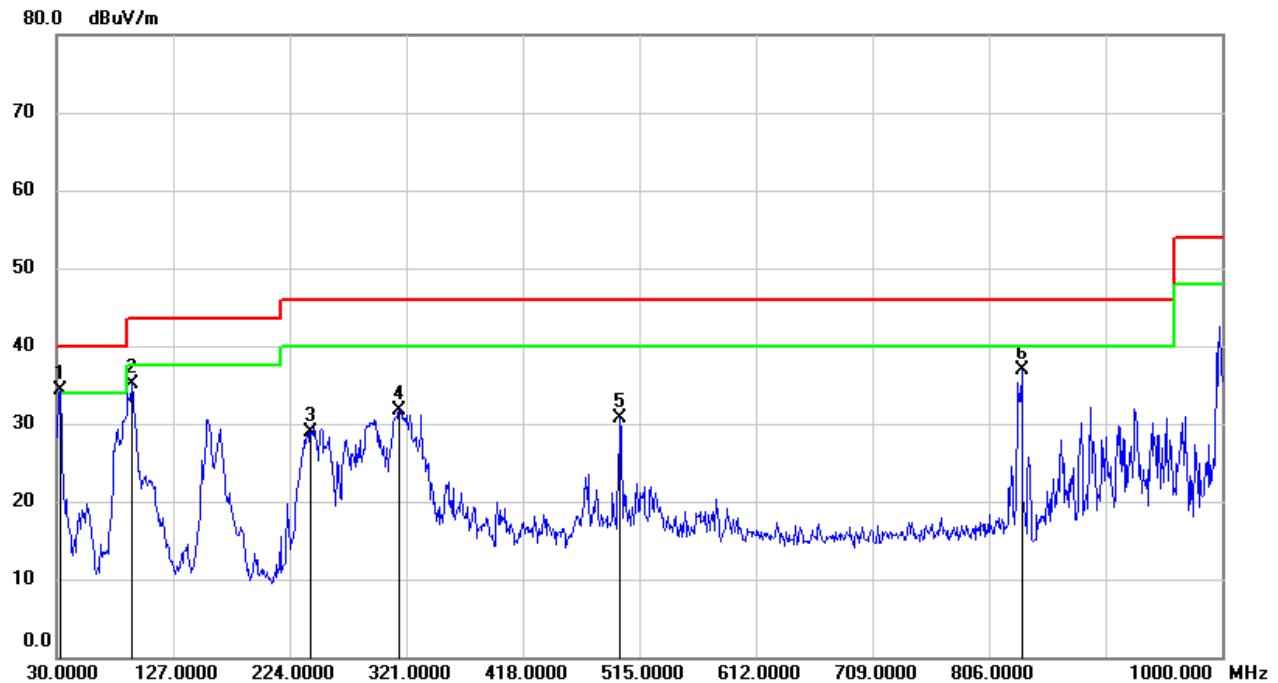
Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.9100	35.28	-19.22	16.06	40.00	-23.94	QP
2	106.6300	48.77	-20.65	28.12	43.50	-15.38	QP
3	157.0700	54.02	-17.92	36.10	43.50	-7.40	QP
4	243.4000	51.55	-19.08	32.47	46.00	-13.53	QP
5	294.8100	47.24	-15.61	31.63	46.00	-14.37	QP
6	829.2800	37.35	-6.69	30.66	46.00	-15.34	QP



Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V

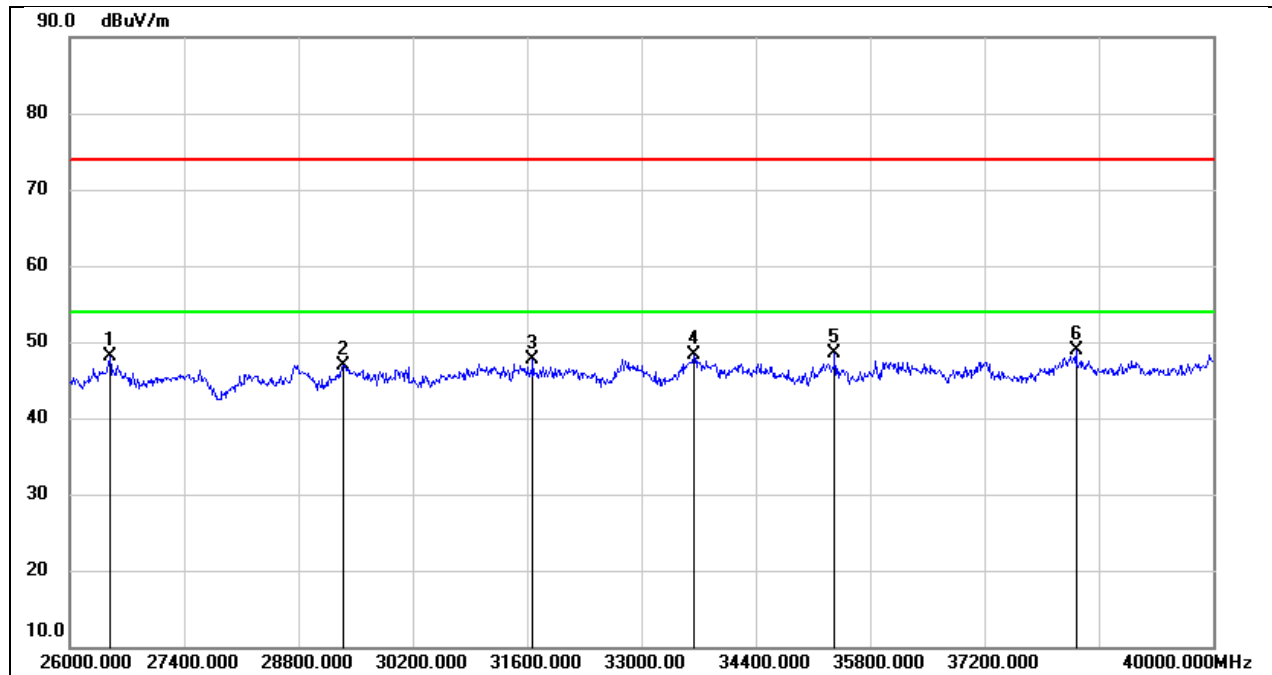


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.9100	53.49	-19.22	34.27	40.00	-5.73	QP
2	93.0500	56.89	-21.69	35.20	43.50	-8.30	QP
3	241.4600	48.12	-19.14	28.98	46.00	-17.02	QP
4	315.1800	46.56	-14.92	31.64	46.00	-14.36	QP
5	498.5100	42.23	-11.50	30.73	46.00	-15.27	QP
6	833.1599	43.60	-6.61	36.99	46.00	-9.01	QP



8.7. SPURIOUS EMISSIONS (26 GHZ ~ 40 GHZ)

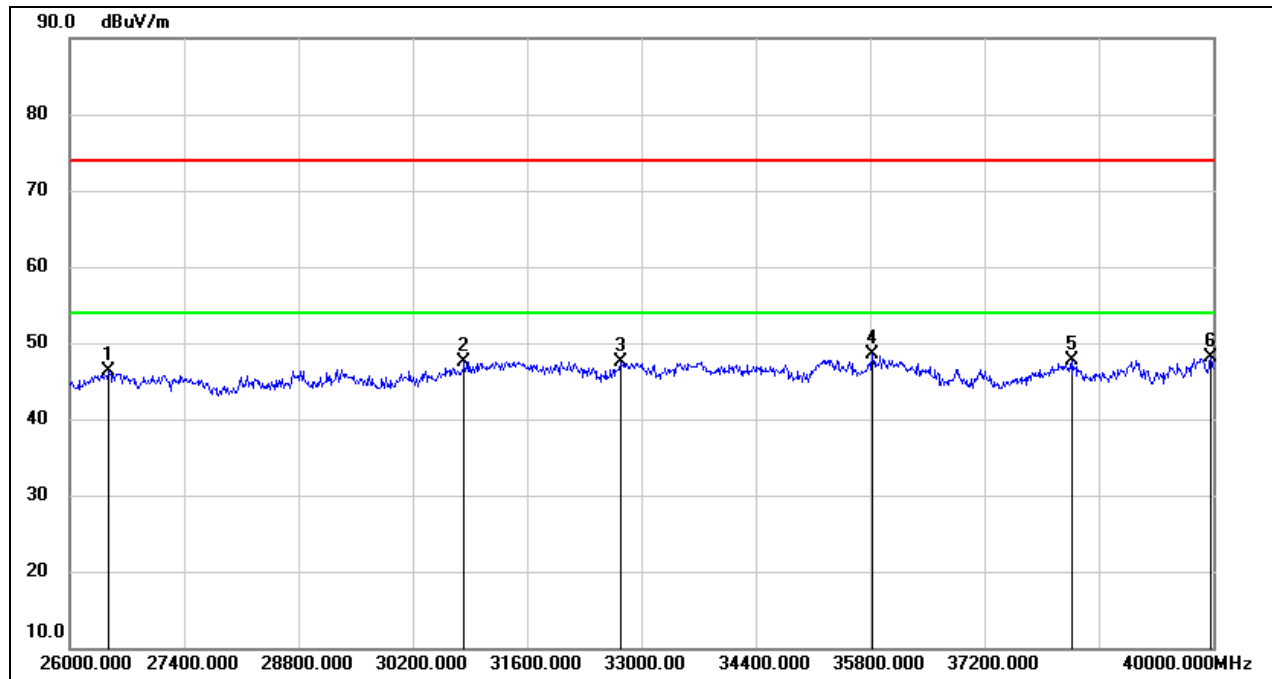
Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Horizontal	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	52.79	-4.74	48.05	74.00	-25.95	peak
2	29346.000	47.88	-0.91	46.97	74.00	-27.03	peak
3	31670.000	48.86	-1.21	47.65	74.00	-26.35	peak
4	33644.000	47.81	0.42	48.23	74.00	-25.77	peak
5	35366.000	45.90	2.59	48.49	74.00	-25.51	peak
6	38320.000	45.06	3.77	48.83	74.00	-25.17	peak



Test Mode:	802.11a 20	Channel:	5580 MHz
Polarity:	Vertical	Test Voltage:	DC 3.87 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26476.000	51.03	-4.78	46.25	74.00	-27.75	peak
2	30830.000	48.52	-1.03	47.49	74.00	-26.51	peak
3	32748.000	48.71	-1.24	47.47	74.00	-26.53	peak
4	35828.000	44.75	3.67	48.42	74.00	-25.58	peak
5	38278.000	43.82	3.82	47.64	74.00	-26.36	peak
6	39972.000	42.95	5.13	48.08	74.00	-25.92	peak

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

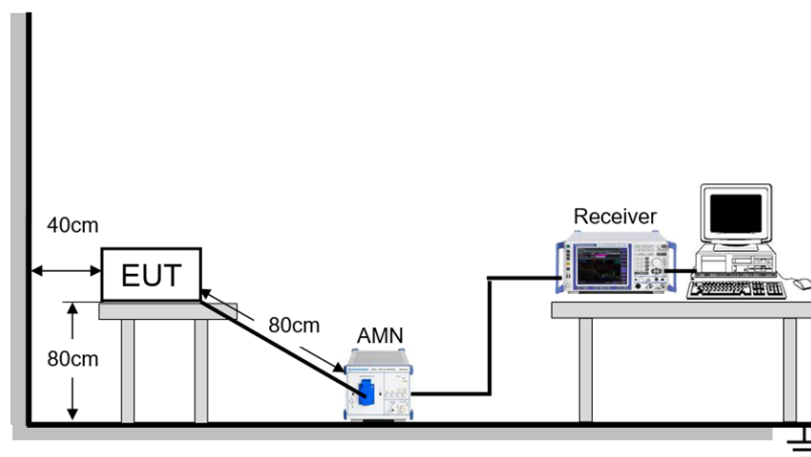
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP

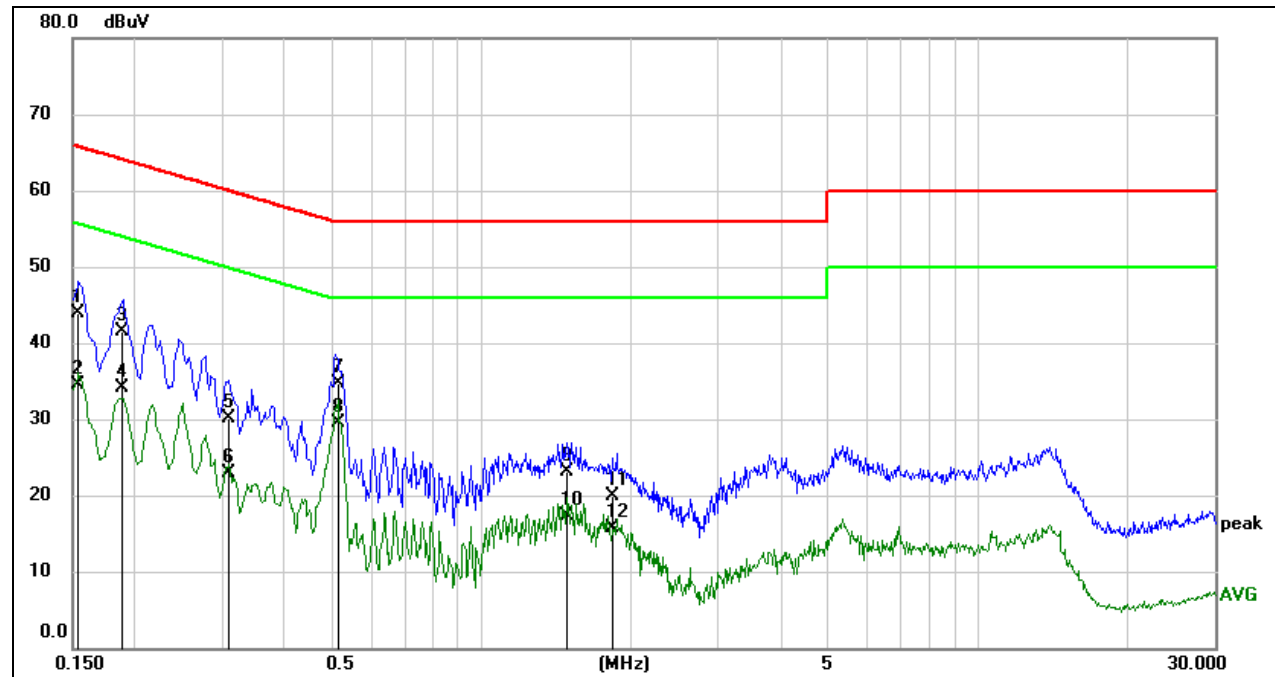


TEST ENVIRONMENT

Temperature	22.5 °C	Relative Humidity	54%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V/60 Hz

**TEST RESULTS**

Test Mode:	802.11a 20	Channel:	5580 MHz
Line	L	Test Voltage	AC 120 V/60 Hz



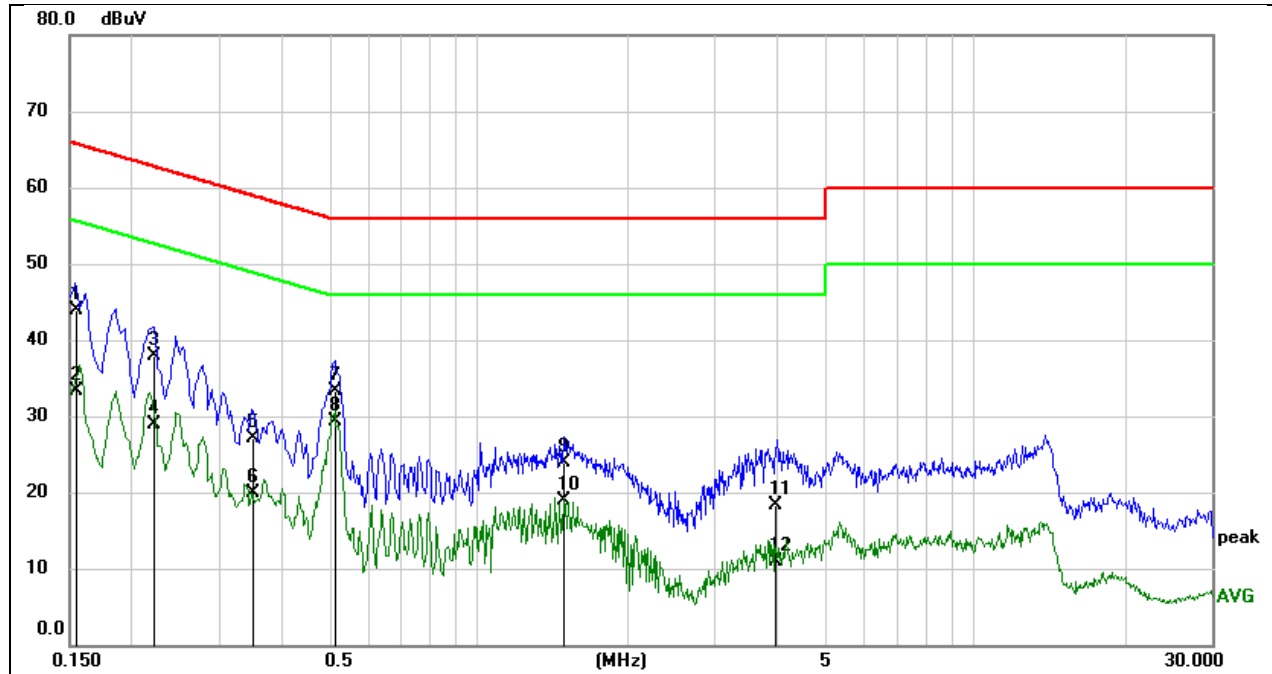
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1544	34.39	9.59	43.98	65.76	-21.78	QP
2	0.1544	24.99	9.59	34.58	55.76	-21.18	AVG
3	0.1881	31.92	9.59	41.51	64.12	-22.61	QP
4	0.1881	24.45	9.59	34.04	54.12	-20.08	AVG
5	0.3079	20.71	9.48	30.19	60.03	-29.84	QP
6	0.3079	13.50	9.48	22.98	50.03	-27.05	AVG
7	0.5172	25.41	9.33	34.74	56.00	-21.26	QP
8	0.5172	20.26	9.33	29.59	46.00	-16.41	AVG
9	1.4946	13.46	9.62	23.08	56.00	-32.92	QP
10	1.4946	7.68	9.62	17.30	46.00	-28.70	AVG
11	1.8479	10.34	9.62	19.96	56.00	-36.04	QP
12	1.8479	6.15	9.62	15.77	46.00	-30.23	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.



Test Mode:	802.11a 20	Channel:	5580 MHz
Line	N	Test Voltage	AC 120 V/60 Hz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1556	34.36	9.59	43.95	65.70	-21.75	QP
2	0.1556	23.69	9.59	33.28	55.70	-22.42	AVG
3	0.2219	28.37	9.57	37.94	62.75	-24.81	QP
4	0.2219	19.35	9.57	28.92	52.75	-23.83	AVG
5	0.3517	17.58	9.44	27.02	58.92	-31.90	QP
6	0.3517	10.55	9.44	19.99	48.92	-28.93	AVG
7	0.5101	23.95	9.32	33.27	56.00	-22.73	QP
8	0.5101	20.08	9.32	29.40	46.00	-16.60	AVG
9	1.4871	14.28	9.62	23.90	56.00	-32.10	QP
10	1.4871	9.33	9.62	18.95	46.00	-27.05	AVG
11	3.9770	8.76	9.60	18.36	56.00	-37.64	QP
12	3.9770	1.31	9.60	10.91	46.00	-35.09	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass



11. TEST DATA

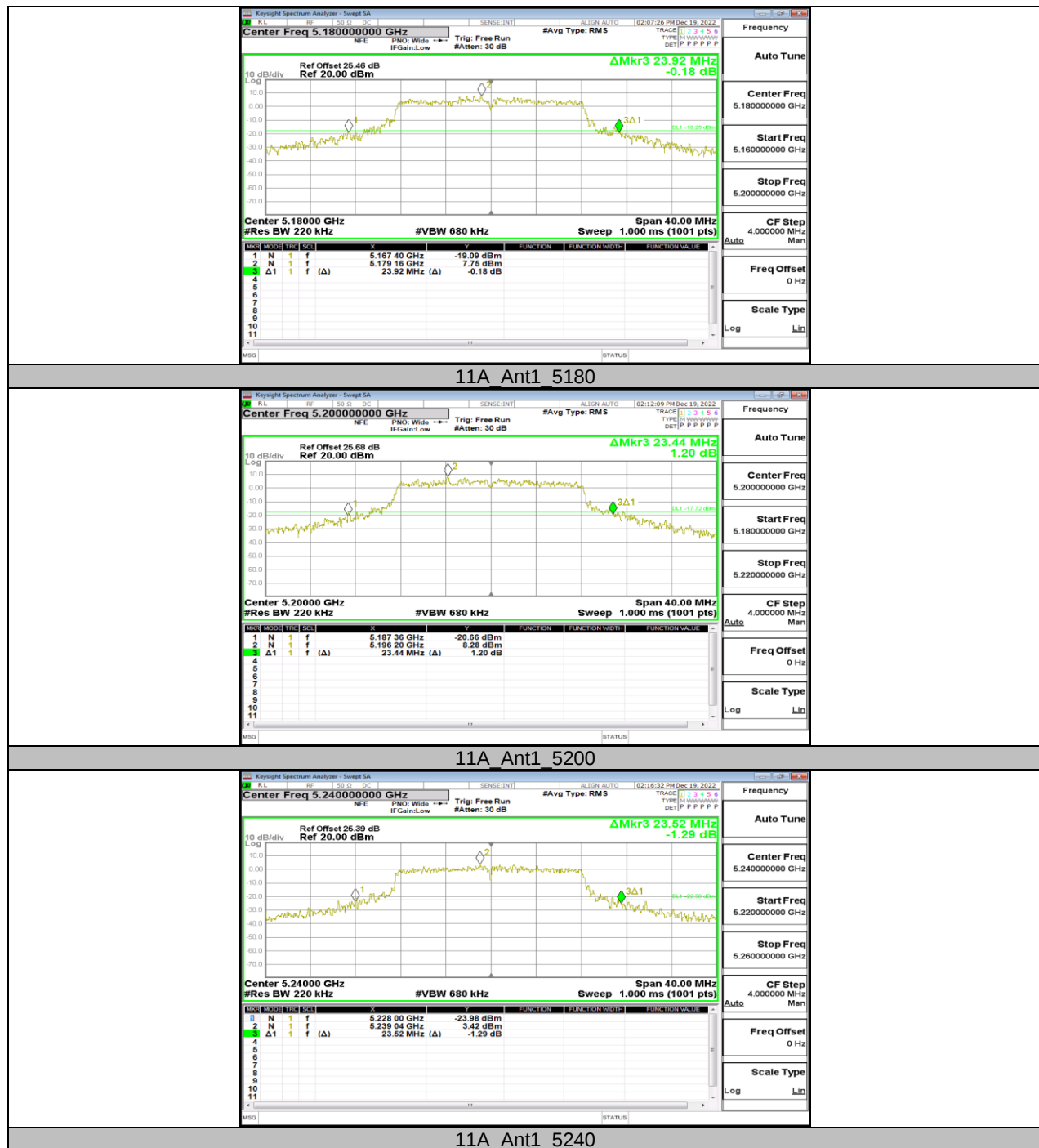
11.1. APPENDIX A1: EMISSION BANDWIDTH

11.1.1. Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	23.920	5167.400	5191.320	PASS
		5200	23.440	5187.360	5210.800	PASS
		5240	23.520	5228.000	5251.520	PASS
		5260	23.360	5247.960	5271.320	PASS
		5280	23.160	5268.160	5291.320	PASS
		5320	22.880	5308.560	5331.440	PASS
		5500	23.480	5488.240	5511.720	PASS
		5580	24.960	5567.080	5592.040	PASS
		5700	24.240	5687.680	5711.920	PASS
		5720	24.200	5707.280	5731.480	PASS
		5720 UNII-2C	17.72	5707.280	5725	PASS
		5720 UNII-3	6.48	5725	5731.480	PASS
		5745	23.840	5732.880	5756.720	PASS
		5785	24.200	5773.440	5797.640	PASS
		5825	22.560	5813.600	5836.160	PASS
11AC20SISO	Ant1	5180	24.320	5167.800	5192.120	PASS
		5200	24.240	5187.560	5211.800	PASS
		5240	23.880	5228.920	5252.800	PASS
		5260	22.040	5248.920	5270.960	PASS
		5280	23.200	5268.280	5291.480	PASS
		5320	24.000	5307.840	5331.840	PASS
		5500	24.400	5487.800	5512.200	PASS
		5580	23.760	5568.440	5592.200	PASS
		5700	24.360	5687.320	5711.680	PASS
		5720	23.920	5708.040	5731.960	PASS
		5720 UNII-2C	16.96	5708.040	5725	PASS
		5720 UNII-3	6.96	5725	5731.960	PASS
		5745	24.040	5732.800	5756.840	PASS
		5785	24.160	5772.400	5796.560	PASS
		5825	24.520	5811.760	5836.280	PASS
11AC40SISO	Ant1	5190	40.480	5169.760	5210.240	PASS
		5230	40.960	5209.280	5250.240	PASS
		5270	40.800	5249.520	5290.320	PASS
		5310	41.120	5289.280	5330.400	PASS
		5510	40.960	5489.520	5530.480	PASS
		5550	40.320	5529.920	5570.240	PASS
		5670	40.480	5649.840	5690.320	PASS
		5710	40.560	5689.680	5730.240	PASS
		5710 UNII-2C	35.32	5689.680	5725	PASS
		5710 UNII-3	5.24	5725	5730.240	PASS
		5755	40.720	5734.600	5775.320	PASS
		5795	40.640	5774.520	5815.160	PASS
		5210	80.640	5169.680	5250.320	PASS
		5290	82.880	5248.400	5331.280	PASS
		5530	82.880	5489.520	5572.400	PASS
11AC80SISO	Ant1	5610	84.480	5568.080	5652.560	PASS
		5690	81.120	5649.520	5730.640	PASS
		5690 UNII-2C	75.48	5649.520	5725	PASS
		5690 UNII-3	5.64	5725	5730.640	PASS
		5775	82.080	5733.880	5815.960	PASS



11.1.2. Test Graphs





11A Ant1 5260



11A Ant1 5280



11A Ant1 5320



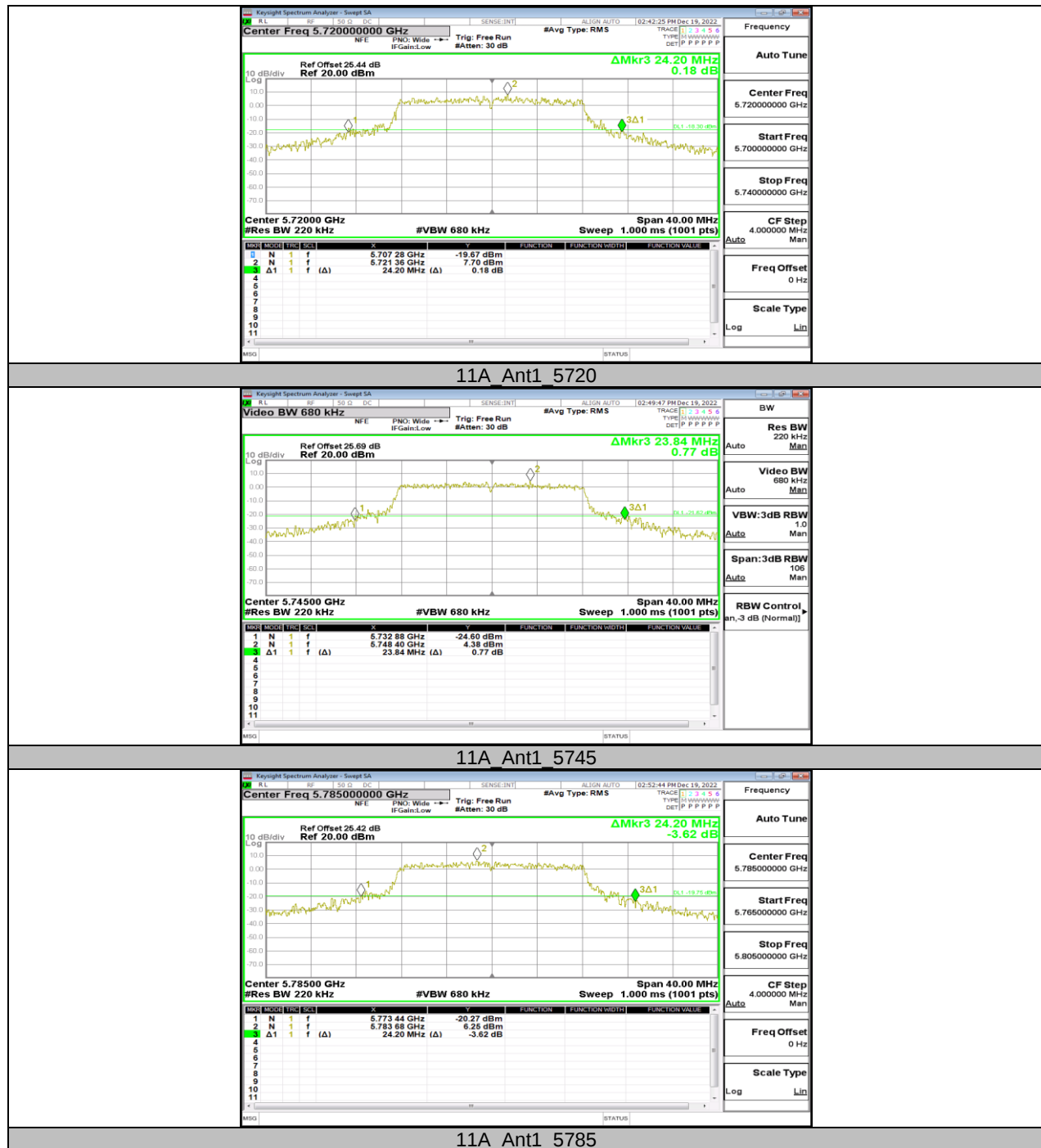
11A Ant1 5500



11A Ant1 5580



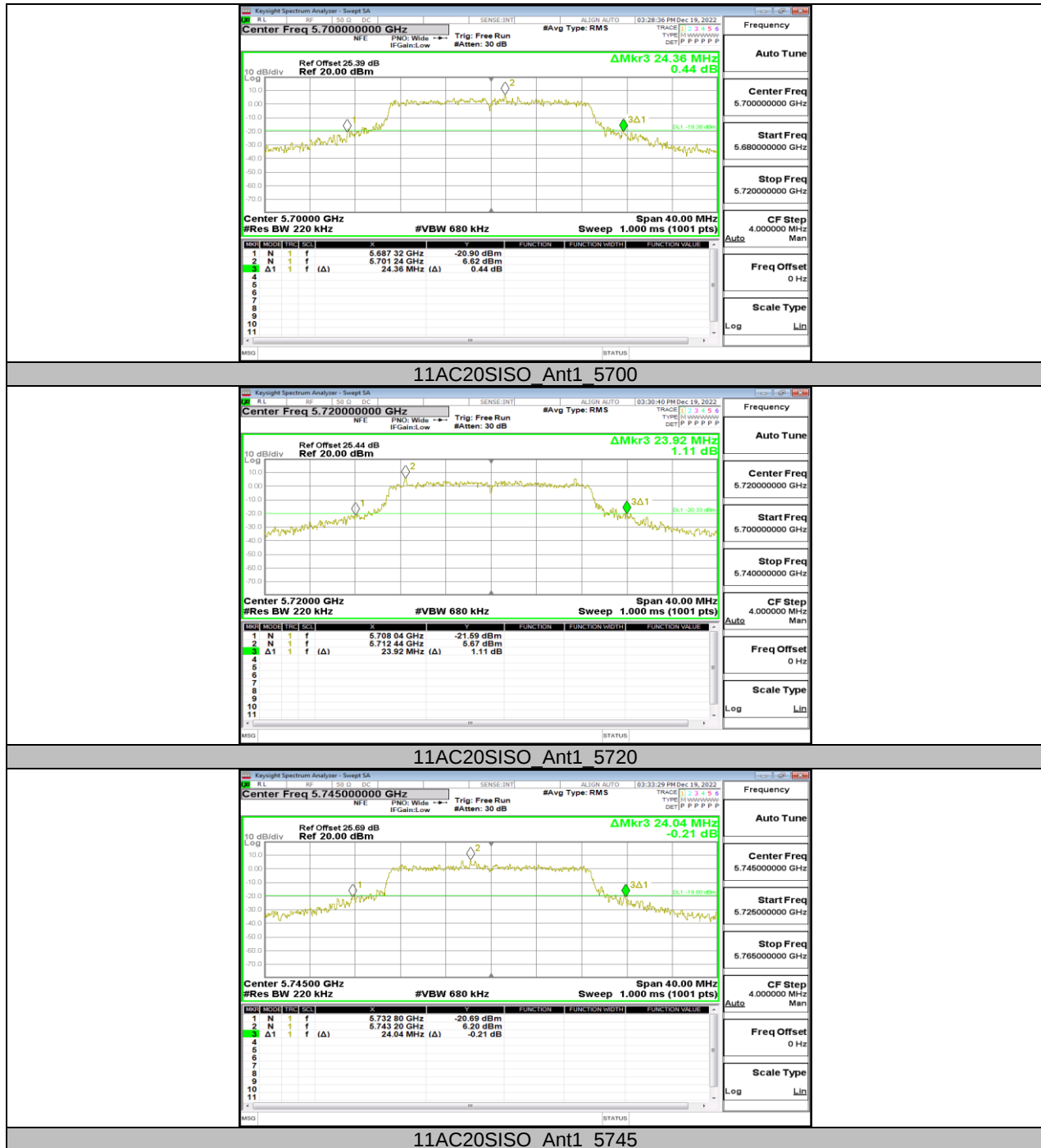
11A Ant1 5700























**11.2. APPENDIX A2: OCCUPIED CHANNEL BANDWIDTH****11.2.1. Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	16.900	5171.5546	5188.4546	PASS
		5200	16.959	5191.4746	5208.4336	PASS
		5240	16.856	5231.4636	5248.3196	PASS
		5260	16.869	5251.4745	5268.3435	PASS
		5280	16.858	5271.5474	5288.4054	PASS
		5320	16.732	5311.5218	5328.2538	PASS
		5500	16.694	5491.5717	5508.2657	PASS
		5580	16.869	5571.5541	5588.4231	PASS
		5700	16.898	5691.4119	5708.3099	PASS
		5720	16.753	5711.5828	5728.3358	PASS
		5720 UNII-2C	13.417	5711.5828	5725	PASS
		5720 UNII-3	3.336	5725	5728.3358	PASS
		5745	16.801	5736.5386	5753.3396	PASS
		5785	16.781	5776.4885	5793.2695	PASS
		5825	16.916	5816.4554	5833.3714	PASS
11AC20SISO	Ant1	5180	17.965	5170.9653	5188.9303	PASS
		5200	18.007	5190.8904	5208.8974	PASS
		5240	18.040	5230.9410	5248.9810	PASS
		5260	17.906	5250.9541	5268.8601	PASS
		5280	17.889	5270.9962	5288.8852	PASS
		5320	18.009	5310.9612	5328.9702	PASS
		5500	17.980	5490.9133	5508.8933	PASS
		5580	18.092	5570.9431	5589.0351	PASS
		5700	18.097	5690.9149	5709.0119	PASS
		5720	17.995	5710.9517	5728.9467	PASS
		5720 UNII-2C	14.048	5710.9517	5725	PASS
		5720 UNII-3	3.947	5725	5728.9467	PASS
		5745	18.047	5735.9044	5753.9514	PASS
		5785	18.009	5775.9488	5793.9578	PASS
		5825	18.032	5815.8821	5833.9141	PASS
11AC40SISO	Ant1	5190	36.335	5171.7972	5208.1322	PASS
		5230	36.400	5211.6951	5248.0951	PASS
		5270	36.286	5251.7825	5288.0685	PASS
		5310	36.535	5291.7279	5328.2629	PASS
		5510	36.433	5491.6844	5528.1174	PASS
		5550	36.416	5531.7514	5568.1674	PASS
		5670	36.448	5651.7491	5688.1971	PASS
		5710	36.517	5691.6862	5728.2032	PASS
		5710 UNII-2C	33.314	5691.6862	5725	PASS
		5710 UNII-3	3.203	5725	5728.2032	PASS
		5755	36.437	5736.6607	5773.0977	PASS
		5795	36.346	5776.7303	5813.0763	PASS
11AC80SISO	Ant1	5210	76.249	5171.8103	5248.0593	PASS
		5290	76.169	5251.8059	5327.9749	PASS
		5530	76.163	5492.0067	5568.1697	PASS
		5610	76.121	5571.7770	5647.8980	PASS
		5690	76.037	5651.8878	5727.9248	PASS
		5690 UNII-2C	73.112	5651.8878	5725	PASS
		5690 UNII-3	2.925	5725	5727.9248	PASS
		5775	76.129	5736.6996	5812.8286	PASS