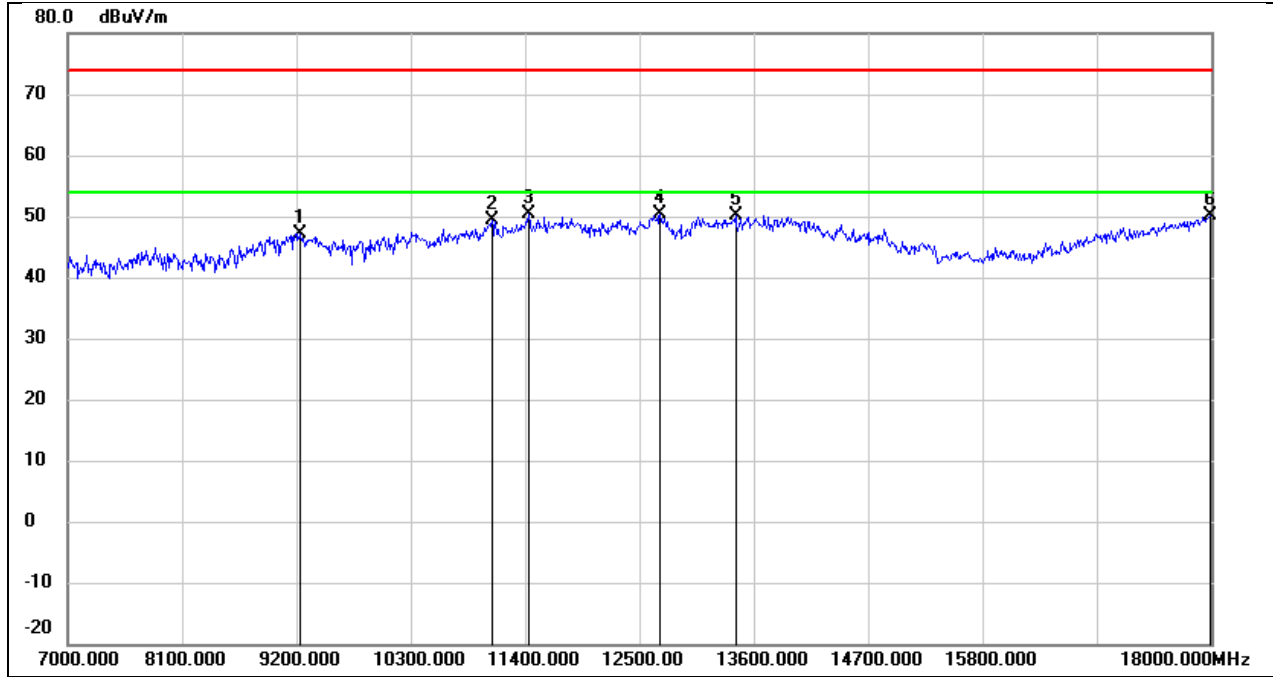
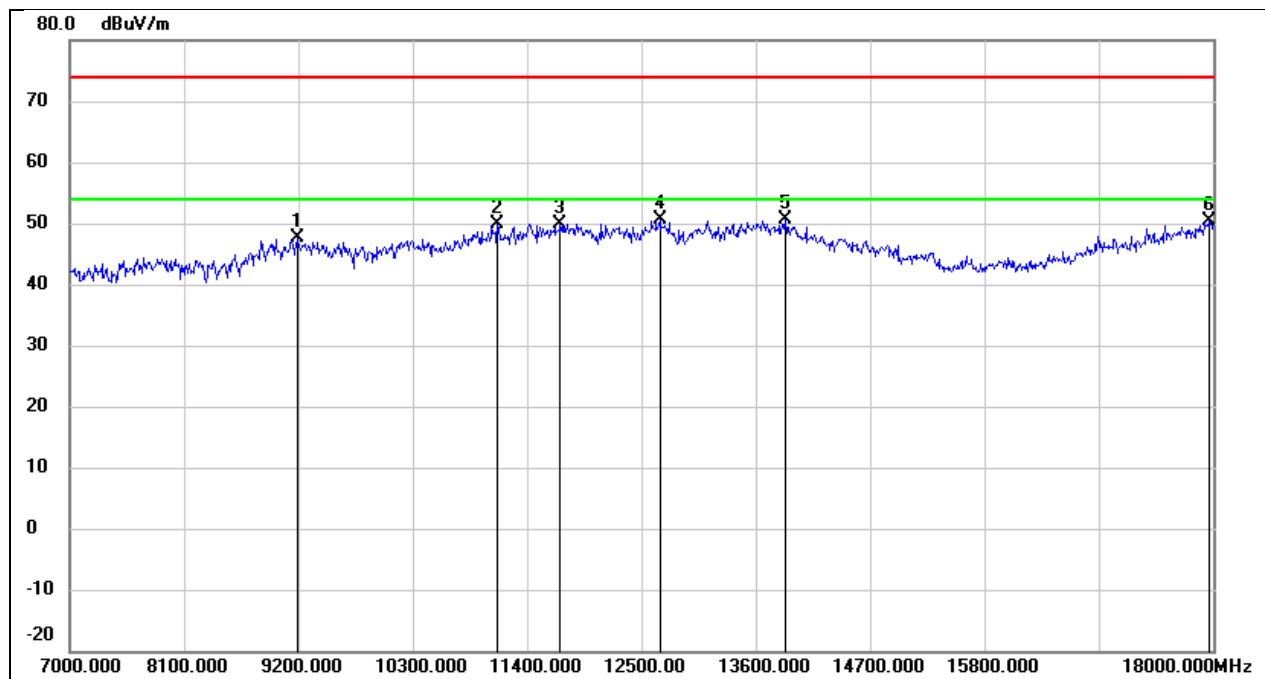


Test Mode:	802.11ax HE40	Frequency(MHz):	5755
Polarity:	Horizontal	Test Voltage:	DC 48 V



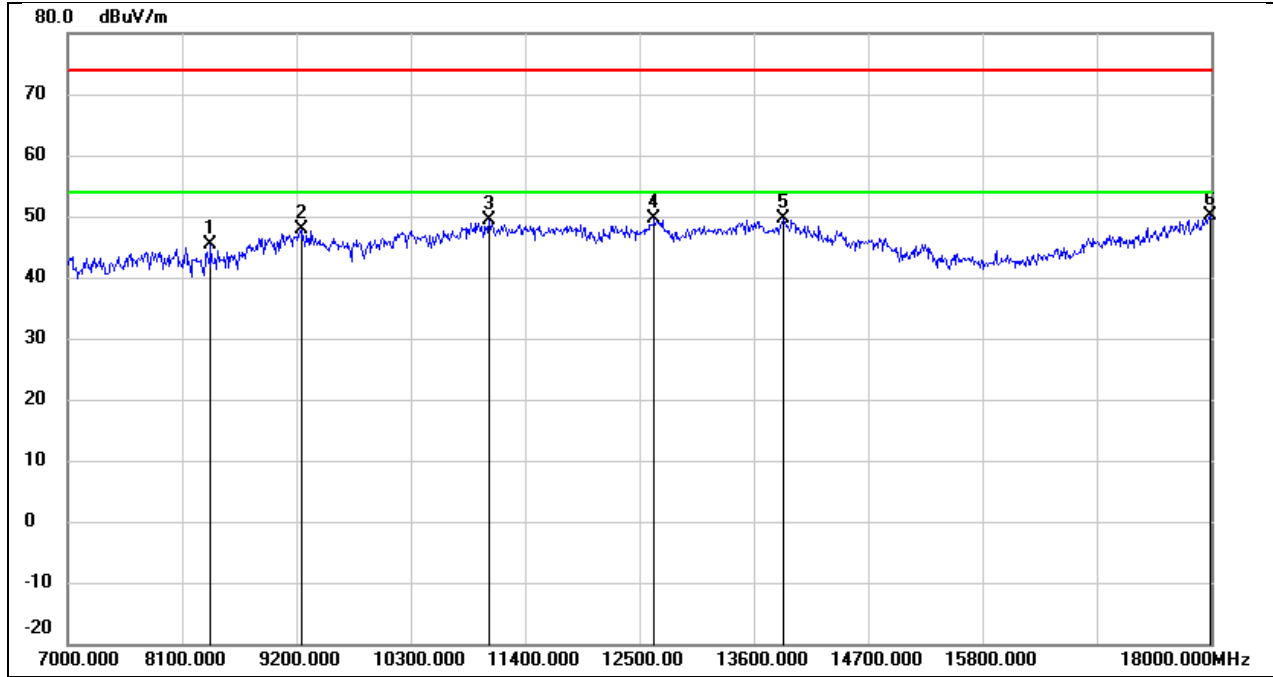
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9233.000	36.60	10.48	47.08	74.00	-26.92	peak
2	11081.000	34.25	15.05	49.30	74.00	-24.70	peak
3	11433.000	33.92	16.50	50.42	74.00	-23.58	peak
4	12698.000	32.32	18.08	50.40	74.00	-23.60	peak
5	13424.000	29.84	20.30	50.14	74.00	-23.86	peak
6	17989.000	24.12	26.04	50.16	74.00	-23.84	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5755
Polarity:	Vertical	Test Voltage:	DC 48 V



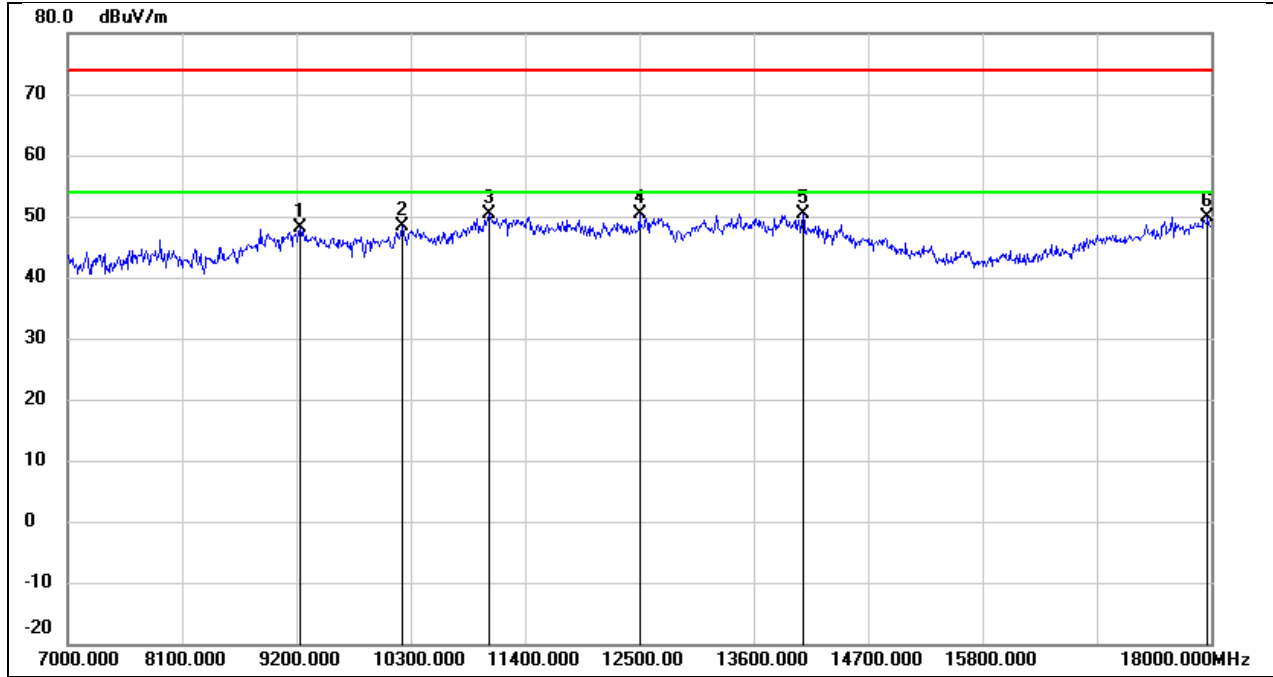
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9189.000	37.16	10.46	47.62	74.00	-26.38	peak
2	11114.000	34.58	15.19	49.77	74.00	-24.23	peak
3	11719.000	32.76	17.18	49.94	74.00	-24.06	peak
4	12676.000	32.69	18.05	50.74	74.00	-23.26	peak
5	13886.000	28.96	21.60	50.56	74.00	-23.44	peak
6	17956.000	24.49	25.82	50.31	74.00	-23.69	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5795
Polarity:	Horizontal	Test Voltage:	DC 48 V



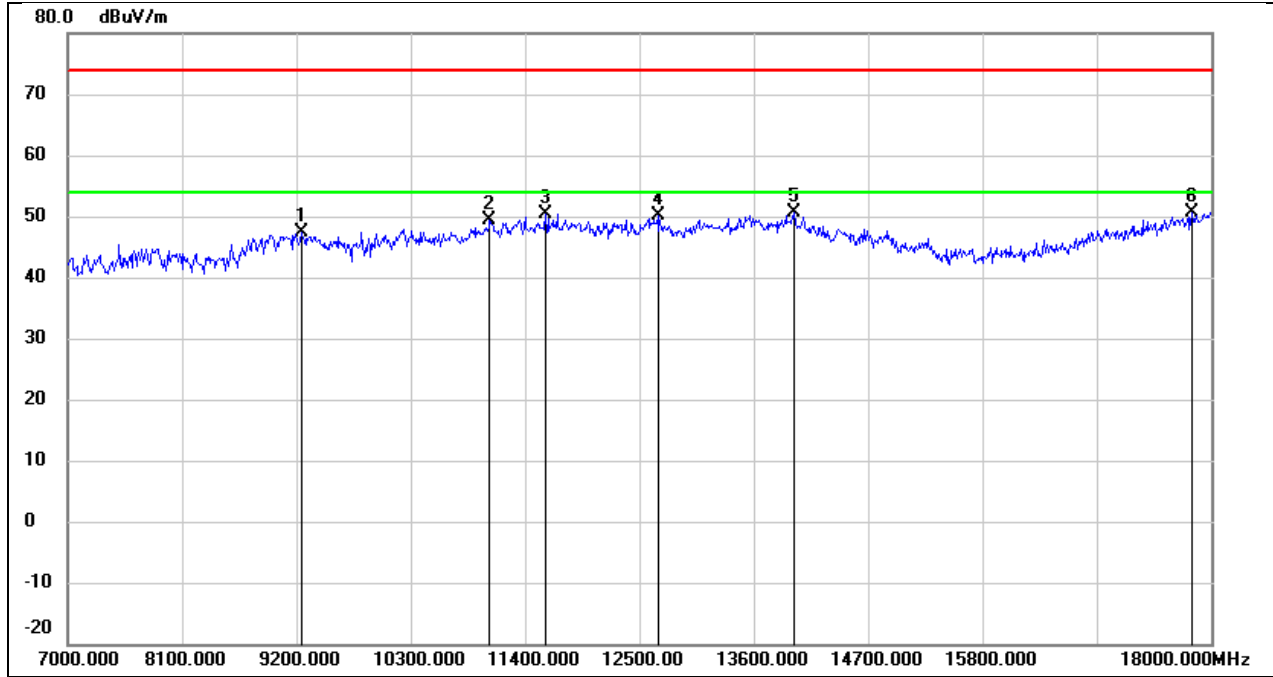
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8375.000	38.72	6.77	45.49	74.00	-28.51	peak
2	9244.000	37.42	10.49	47.91	74.00	-26.09	peak
3	11048.000	34.43	14.91	49.34	74.00	-24.66	peak
4	12643.000	31.60	18.01	49.61	74.00	-24.39	peak
5	13886.000	27.91	21.60	49.51	74.00	-24.49	peak
6	17989.000	24.08	26.04	50.12	74.00	-23.88	peak

Test Mode:	802.11ax HE40	Frequency(MHz):	5795
Polarity:	Vertical	Test Voltage:	DC 48 V



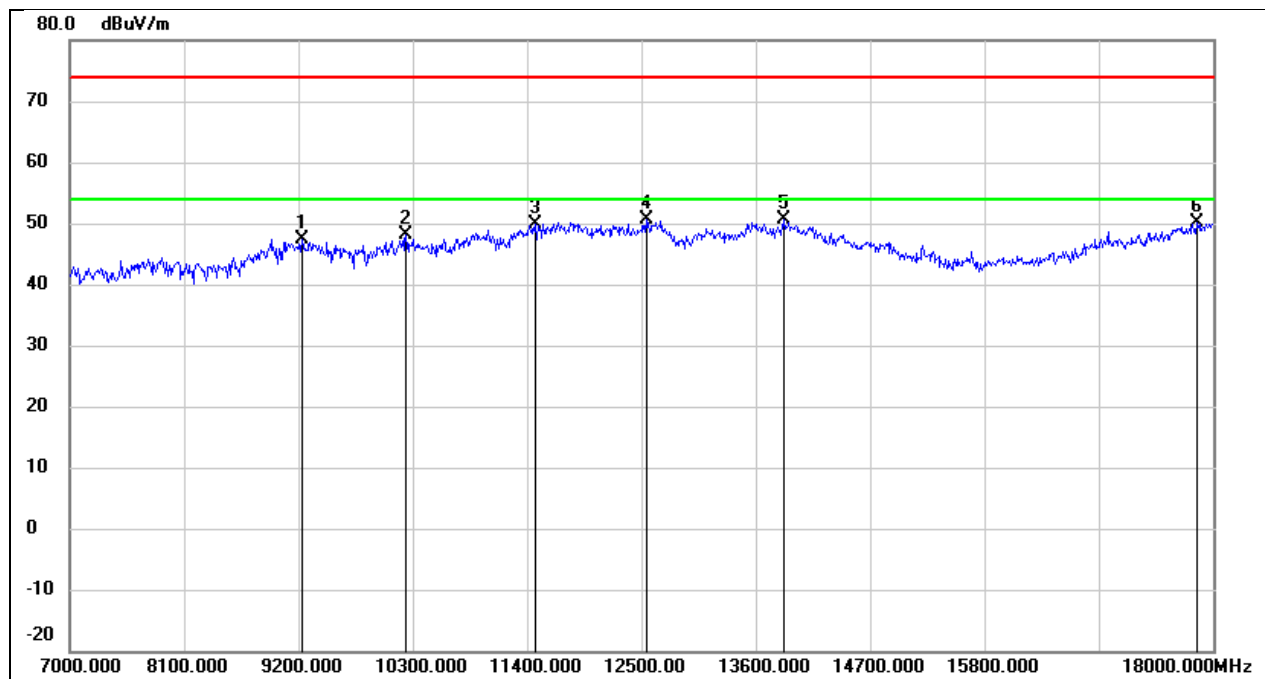
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9233.000	37.77	10.48	48.25	74.00	-25.75	peak
2	10223.000	36.06	12.24	48.30	74.00	-25.70	peak
3	11059.000	35.52	14.96	50.48	74.00	-23.52	peak
4	12500.000	32.57	17.83	50.40	74.00	-23.60	peak
5	14073.000	28.92	21.57	50.49	74.00	-23.51	peak
6	17967.000	23.94	25.89	49.83	74.00	-24.17	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5210
Polarity:	Horizontal	Test Voltage:	DC 48 V



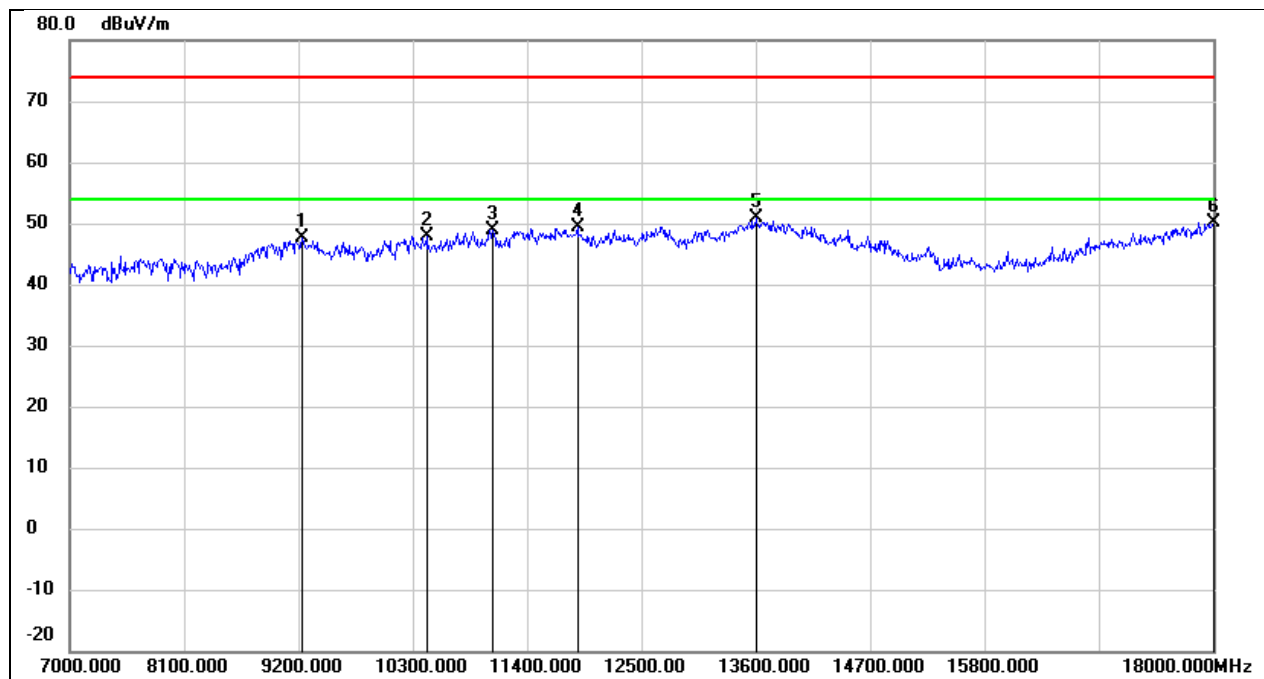
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	36.86	10.49	47.35	74.00	-26.65	peak
2	11059.000	34.44	14.96	49.40	74.00	-24.60	peak
3	11598.000	33.54	16.96	50.50	74.00	-23.50	peak
4	12676.000	32.09	18.05	50.14	74.00	-23.86	peak
5	13985.000	28.71	21.85	50.56	74.00	-23.44	peak
6	17813.000	25.82	24.84	50.66	74.00	-23.34	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5210
Polarity:	Vertical	Test Voltage:	DC 48 V



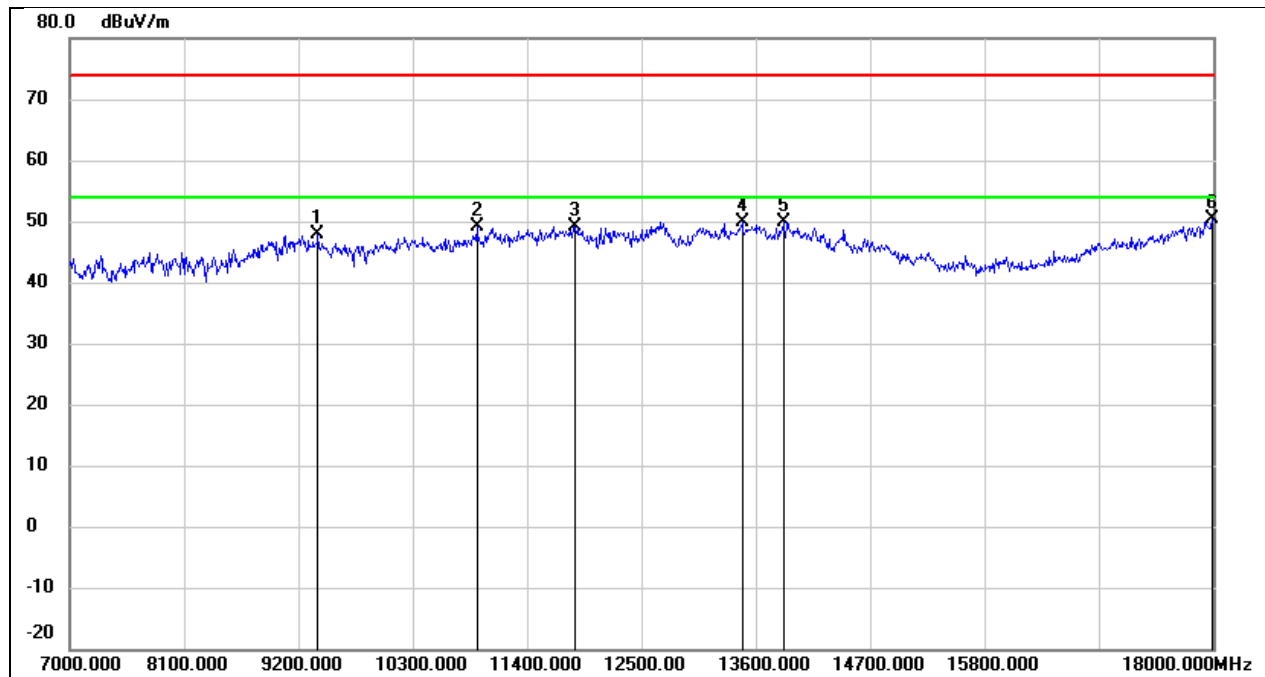
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9233.000	36.94	10.48	47.42	74.00	-26.58	peak
2	10234.000	35.84	12.26	48.10	74.00	-25.90	peak
3	11477.000	33.28	16.67	49.95	74.00	-24.05	peak
4	12544.000	32.70	17.88	50.58	74.00	-23.42	peak
5	13875.000	29.09	21.57	50.66	74.00	-23.34	peak
6	17846.000	25.05	25.08	50.13	74.00	-23.87	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5290
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9233.000	37.12	10.48	47.60	74.00	-26.40	peak
2	10432.000	35.25	12.67	47.92	74.00	-26.08	peak
3	11070.000	33.83	15.01	48.84	74.00	-25.16	peak
4	11884.000	31.88	17.48	49.36	74.00	-24.64	peak
5	13600.000	29.93	20.89	50.82	74.00	-23.18	peak
6	18000.000	24.09	26.12	50.21	74.00	-23.79	peak

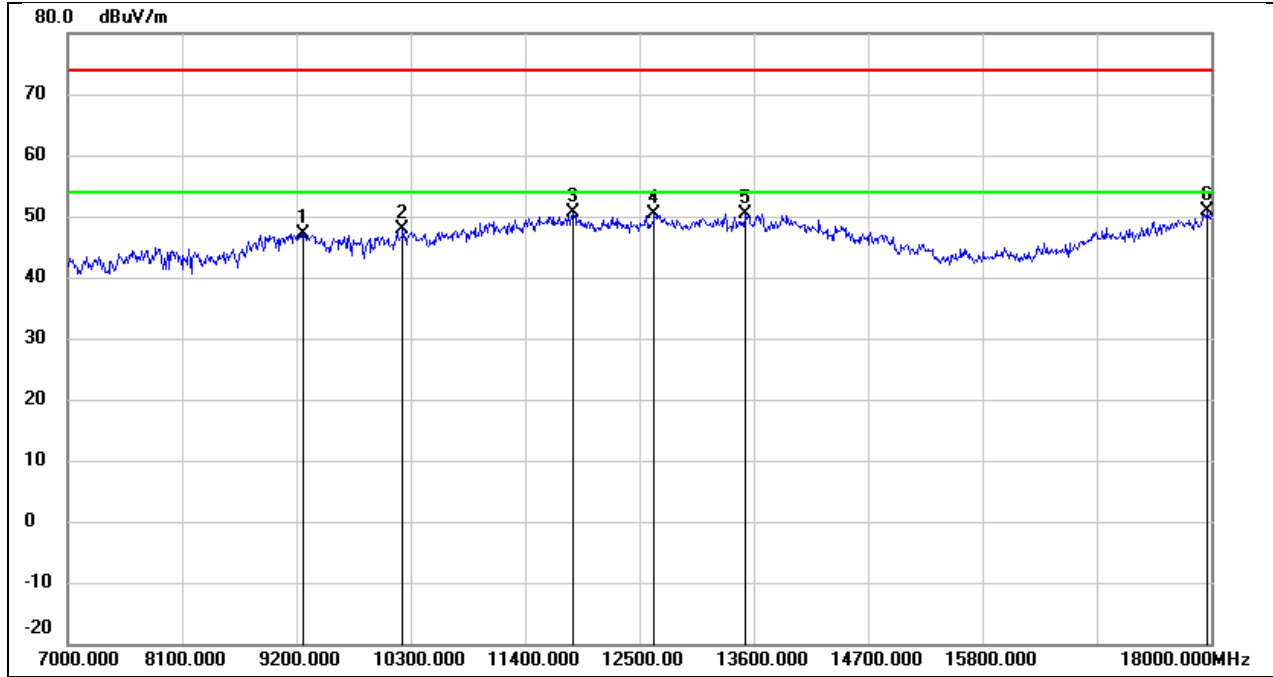
Test Mode:	802.11ax HE80	Frequency(MHz):	5290
Polarity:	Vertical	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9387.000	37.34	10.58	47.92	74.00	-26.08	peak
2	10916.000	34.84	14.39	49.23	74.00	-24.77	peak
3	11862.000	31.77	17.45	49.22	74.00	-24.78	peak
4	13468.000	29.48	20.50	49.98	74.00	-24.02	peak
5	13864.000	28.45	21.53	49.98	74.00	-24.02	peak
6	17989.000	24.23	26.04	50.27	74.00	-23.73	peak

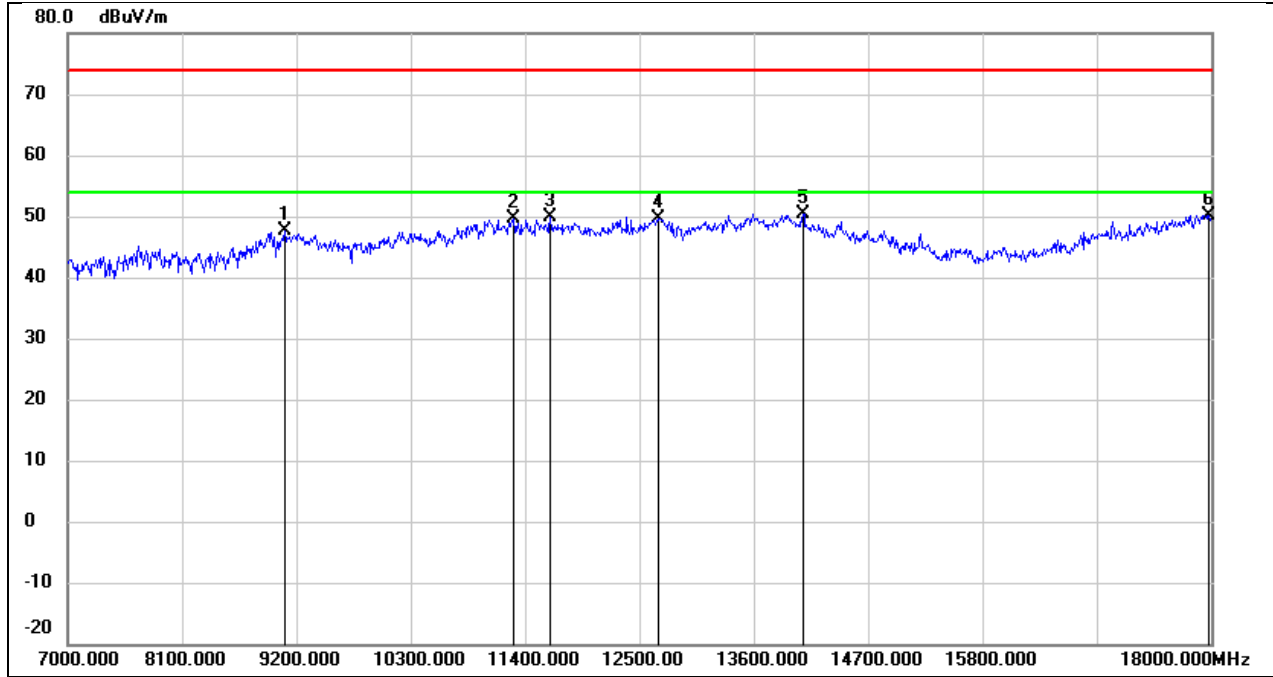


Test Mode:	802.11ax HE80	Frequency(MHz):	5530
Polarity:	Horizontal	Test Voltage:	DC 48 V



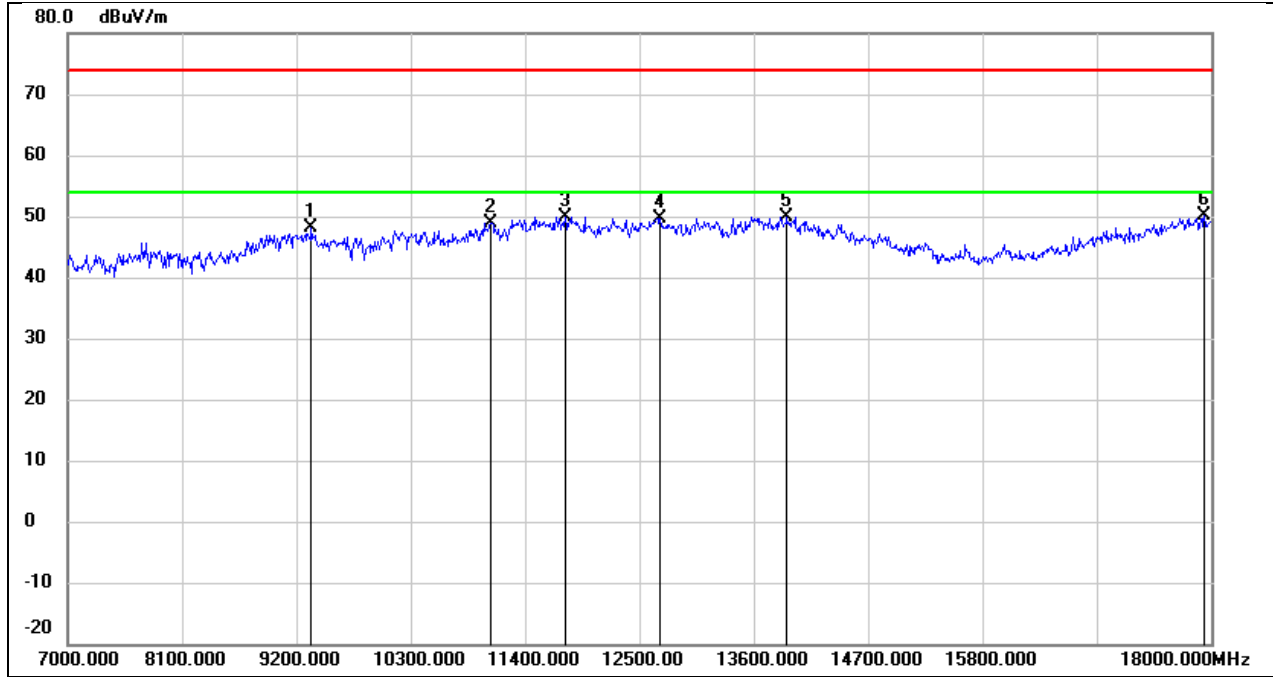
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9266.000	36.65	10.51	47.16	74.00	-26.84	peak
2	10223.000	35.66	12.24	47.90	74.00	-26.10	peak
3	11862.000	33.09	17.45	50.54	74.00	-23.46	peak
4	12643.000	32.34	18.01	50.35	74.00	-23.65	peak
5	13523.000	29.68	20.70	50.38	74.00	-23.62	peak
6	17967.000	25.01	25.89	50.90	74.00	-23.10	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5530
Polarity:	Vertical	Test Voltage:	DC 48 V



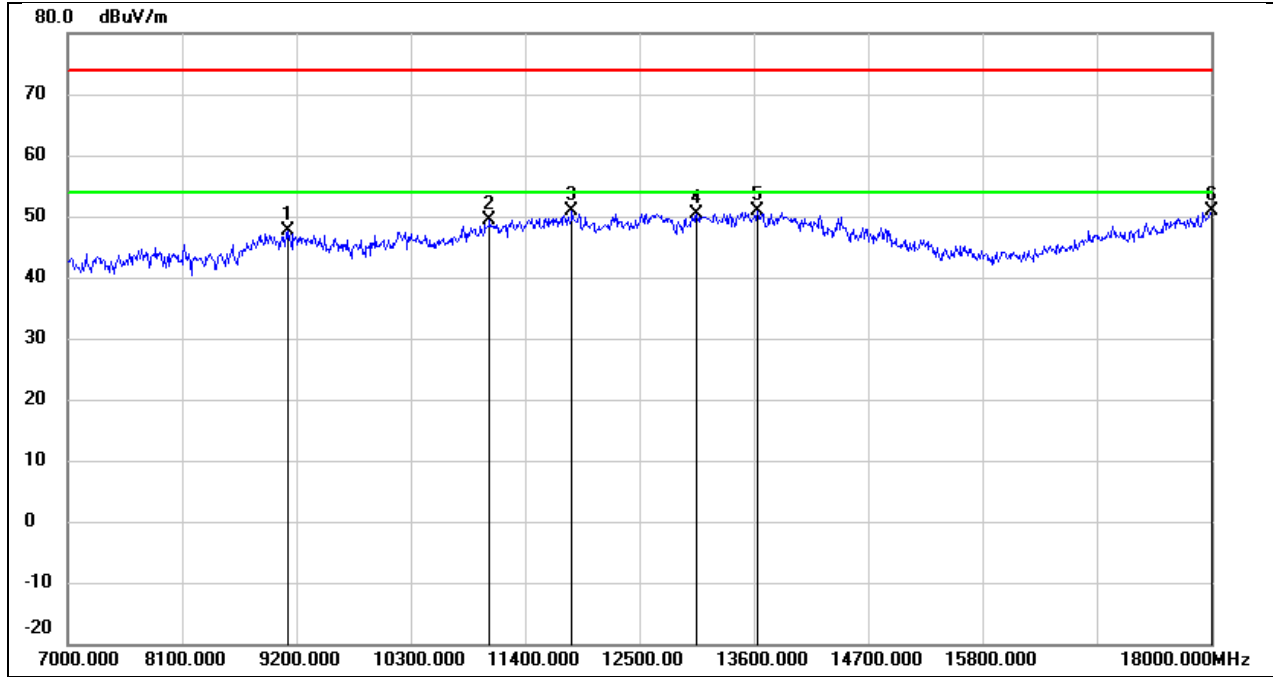
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9090.000	37.13	10.39	47.52	74.00	-26.48	peak
2	11290.000	33.73	15.90	49.63	74.00	-24.37	peak
3	11642.000	32.81	17.03	49.84	74.00	-24.16	peak
4	12676.000	31.64	18.05	49.69	74.00	-24.31	peak
5	14073.000	28.85	21.57	50.42	74.00	-23.58	peak
6	17978.000	24.11	25.97	50.08	74.00	-23.92	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5610
Polarity:	Horizontal	Test Voltage:	DC 48 V



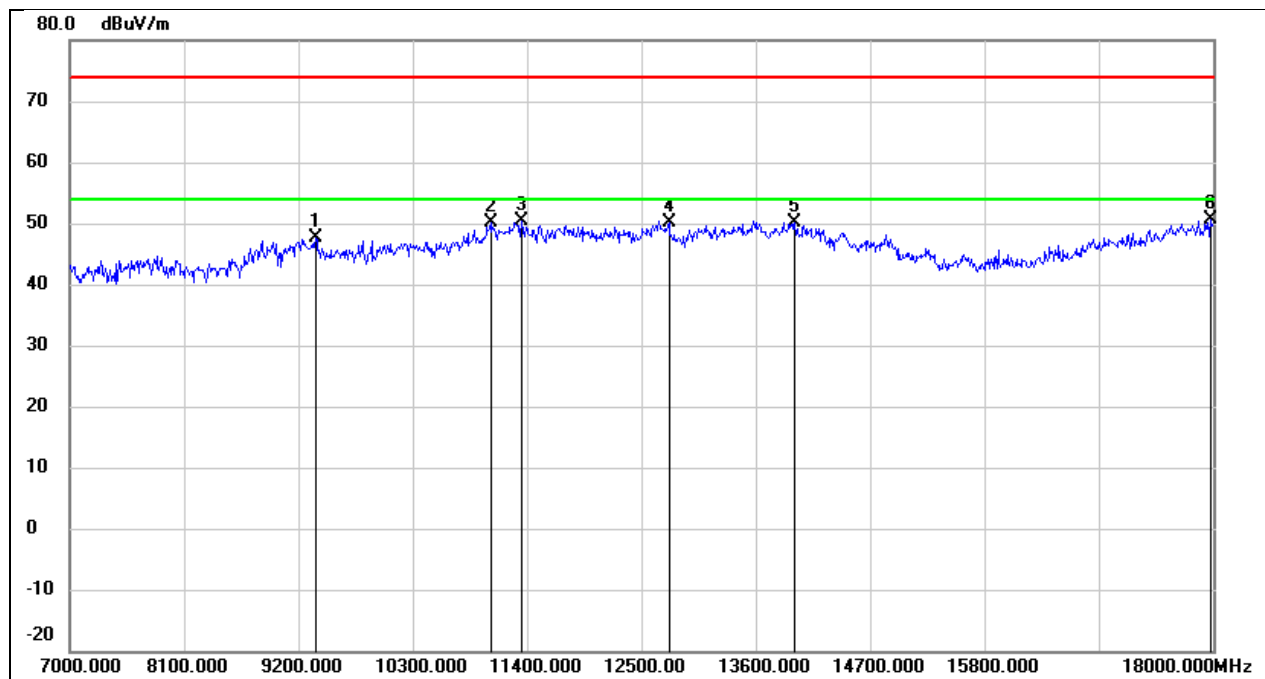
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9343.000	37.50	10.55	48.05	74.00	-25.95	peak
2	11070.000	33.91	15.01	48.92	74.00	-25.08	peak
3	11785.000	32.67	17.30	49.97	74.00	-24.03	peak
4	12698.000	31.61	18.08	49.69	74.00	-24.31	peak
5	13919.000	28.29	21.68	49.97	74.00	-24.03	peak
6	17934.000	24.47	25.67	50.14	74.00	-23.86	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5610
Polarity:	Vertical	Test Voltage:	DC 48 V



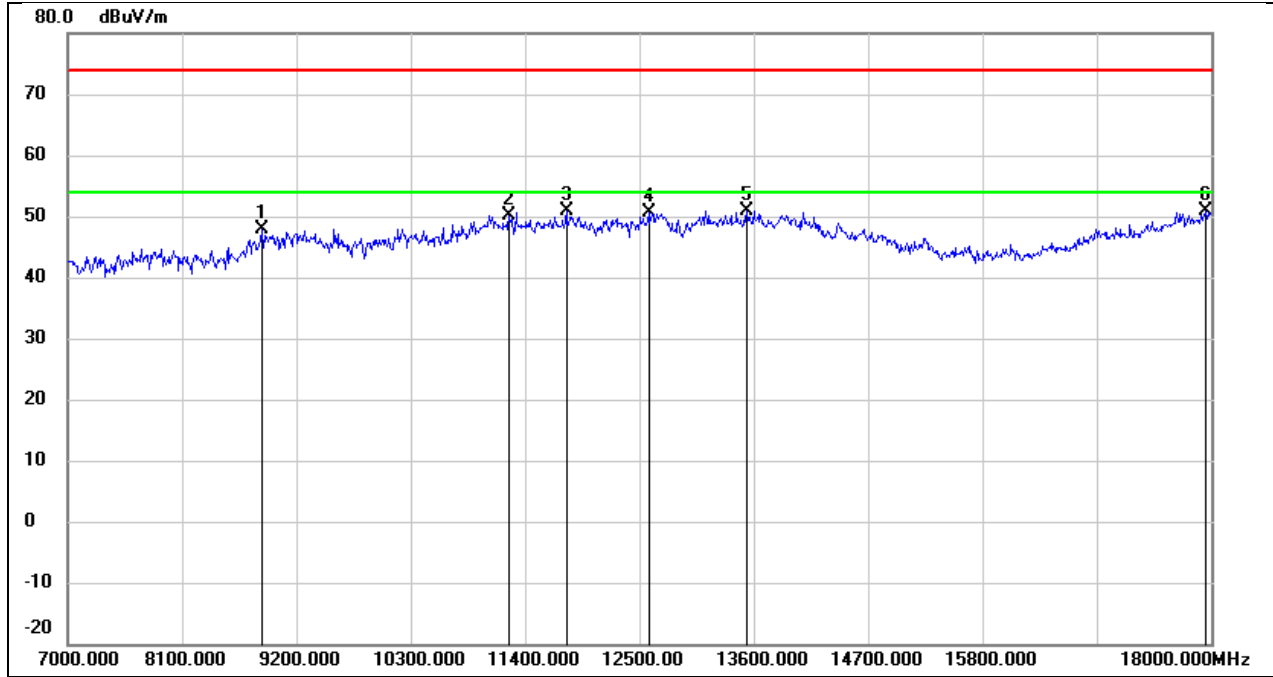
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9112.000	37.10	10.41	47.51	74.00	-26.49	peak
2	11059.000	34.35	14.96	49.31	74.00	-24.69	peak
3	11851.000	33.52	17.43	50.95	74.00	-23.05	peak
4	13050.000	31.72	18.66	50.38	74.00	-23.62	peak
5	13633.000	29.85	20.97	50.82	74.00	-23.18	peak
6	18000.000	24.75	26.12	50.87	74.00	-23.13	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5690
Polarity:	Horizontal	Test Voltage:	DC 48 V



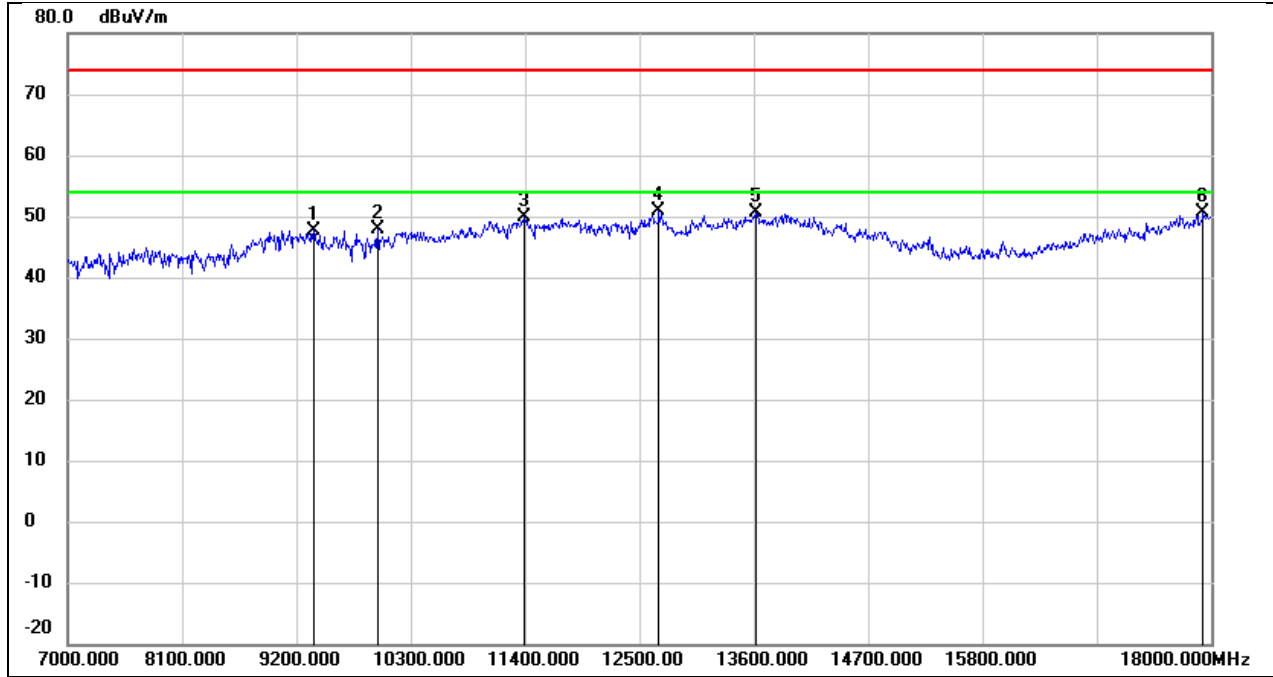
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	36.94	10.57	47.51	74.00	-26.49	peak
2	11048.000	35.25	14.91	50.16	74.00	-23.84	peak
3	11345.000	34.12	16.14	50.26	74.00	-23.74	peak
4	12764.000	32.03	18.16	50.19	74.00	-23.81	peak
5	13974.000	28.20	21.82	50.02	74.00	-23.98	peak
6	17978.000	24.78	25.97	50.75	74.00	-23.25	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5690
Polarity:	Vertical	Test Voltage:	DC 48 V



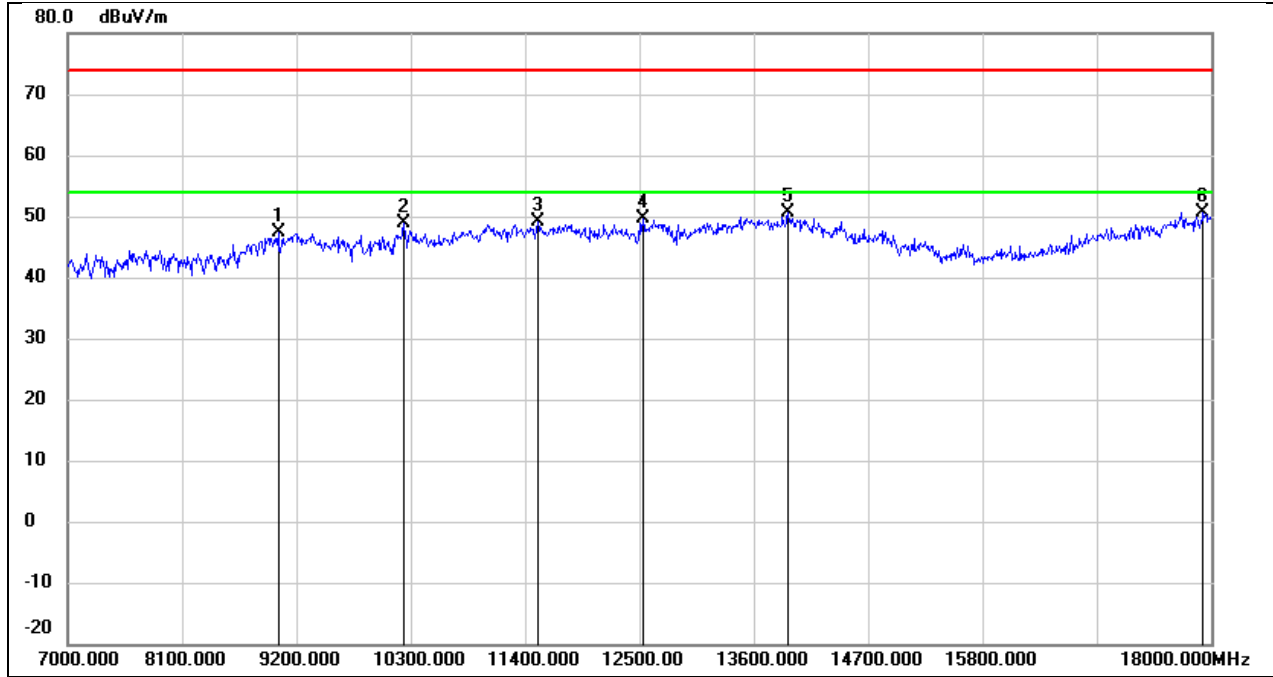
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8870.000	38.36	9.44	47.80	74.00	-26.20	peak
2	11246.000	34.49	15.73	50.22	74.00	-23.78	peak
3	11796.000	33.52	17.32	50.84	74.00	-23.16	peak
4	12588.000	32.70	17.94	50.64	74.00	-23.36	peak
5	13534.000	30.26	20.73	50.99	74.00	-23.01	peak
6	17945.000	25.11	25.75	50.86	74.00	-23.14	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5775
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9365.000	37.18	10.57	47.75	74.00	-26.25	peak
2	9981.000	36.14	11.73	47.87	74.00	-26.13	peak
3	11389.000	33.55	16.31	49.86	74.00	-24.14	peak
4	12687.000	32.74	18.05	50.79	74.00	-23.21	peak
5	13622.000	29.57	20.95	50.52	74.00	-23.48	peak
6	17923.000	25.04	25.60	50.64	74.00	-23.36	peak

Test Mode:	802.11ax HE80	Frequency(MHz):	5775
Polarity:	Vertical	Test Voltage:	DC 48 V

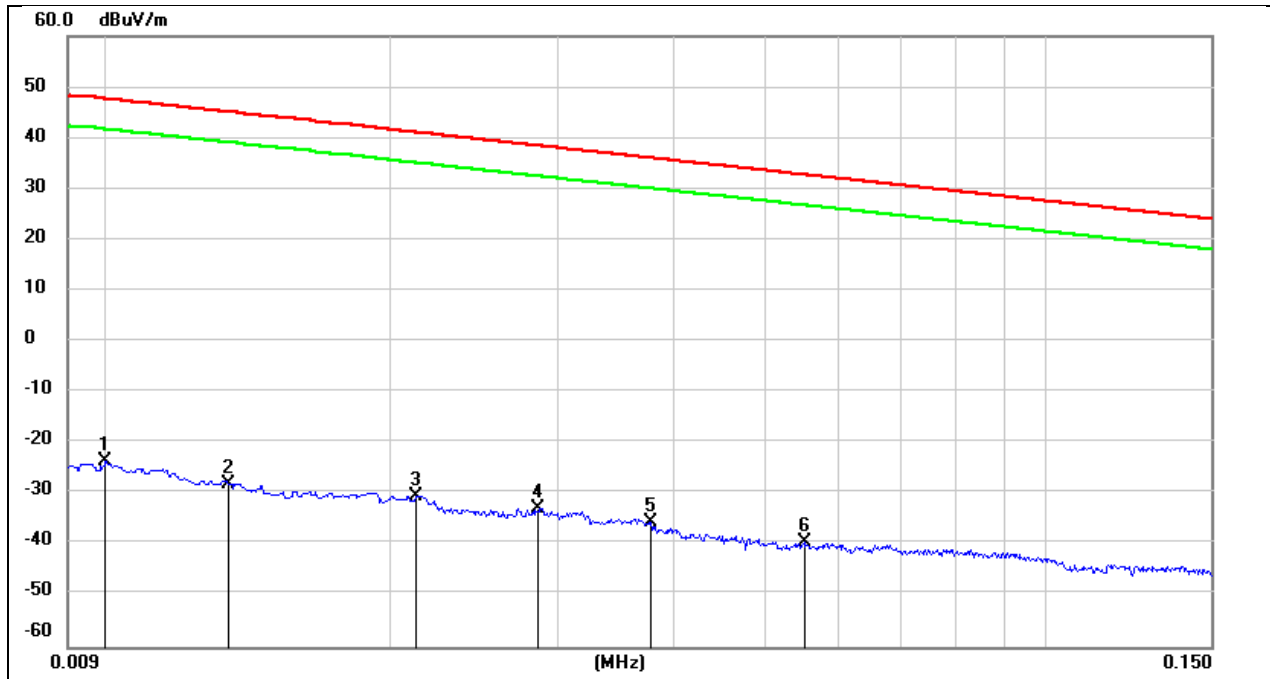


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9024.000	36.97	10.35	47.32	74.00	-26.68	peak
2	10234.000	36.62	12.26	48.88	74.00	-25.12	peak
3	11521.000	32.22	16.82	49.04	74.00	-24.96	peak
4	12533.000	31.75	17.87	49.62	74.00	-24.38	peak
5	13930.000	28.97	21.71	50.68	74.00	-23.32	peak
6	17923.000	25.00	25.60	50.60	74.00	-23.40	peak



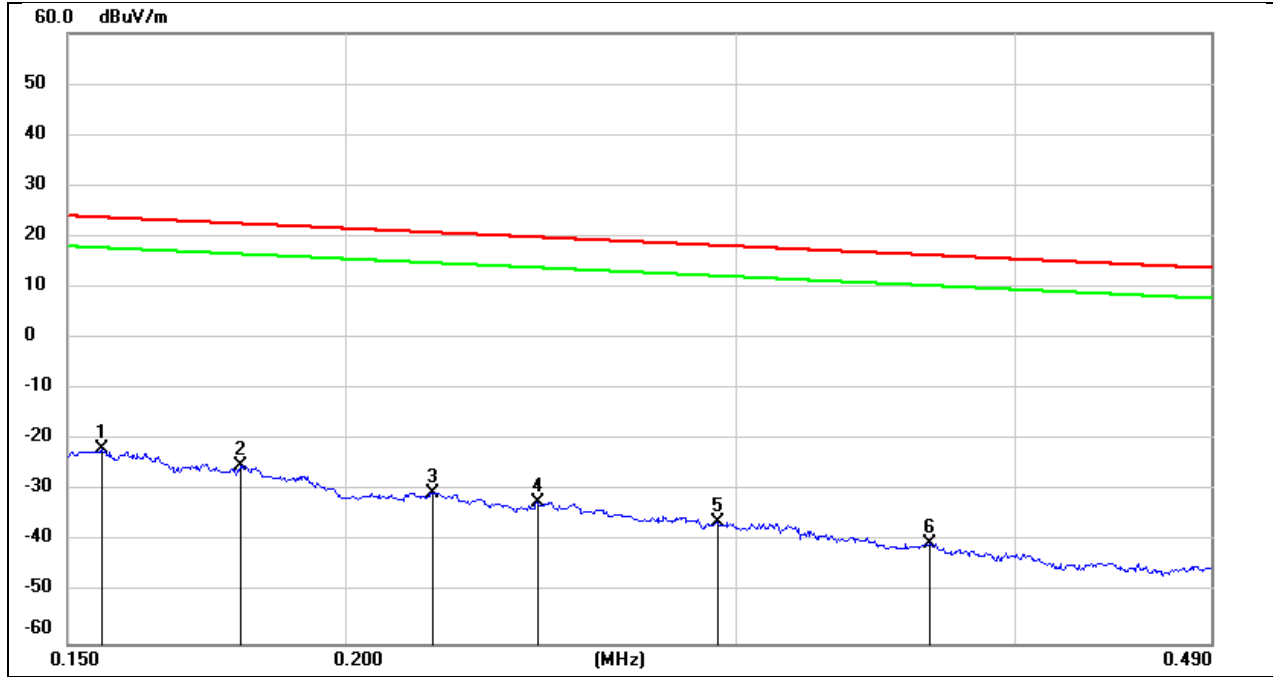
### 8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



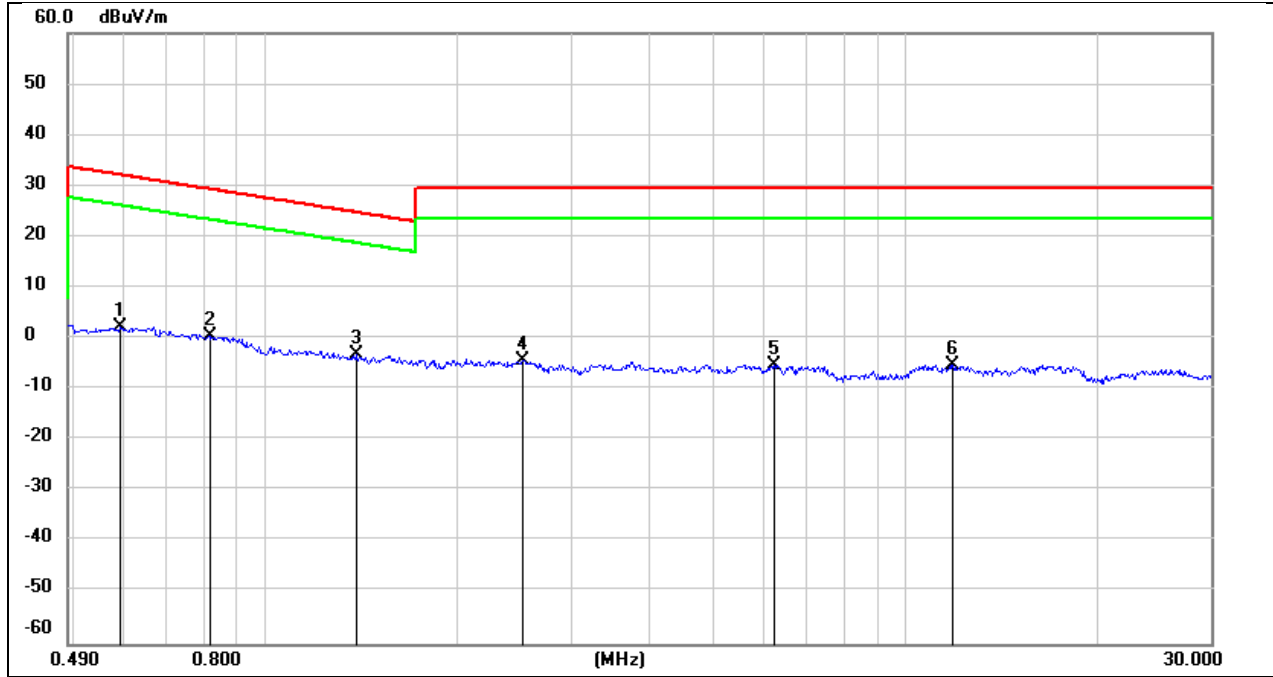
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	77.72	-101.40	-23.68	47.60	-71.28	peak
2	0.0134	73.46	-101.39	-27.93	45.06	-72.99	peak
3	0.0212	71.04	-101.35	-30.31	41.07	-71.38	peak
4	0.0286	68.46	-101.38	-32.92	38.47	-71.39	peak
5	0.0378	65.75	-101.42	-35.67	36.05	-71.72	peak
6	0.0551	61.95	-101.50	-39.55	32.78	-72.33	peak

Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1554	79.77	-101.65	-21.88	23.77	-45.65	peak
2	0.1794	76.77	-101.68	-24.91	22.53	-47.44	peak
3	0.2190	71.27	-101.75	-30.48	20.79	-51.27	peak
4	0.2442	69.53	-101.79	-32.26	19.85	-52.11	peak
5	0.2942	65.82	-101.85	-36.03	18.23	-54.26	peak
6	0.3662	61.58	-101.93	-40.35	16.33	-56.68	peak

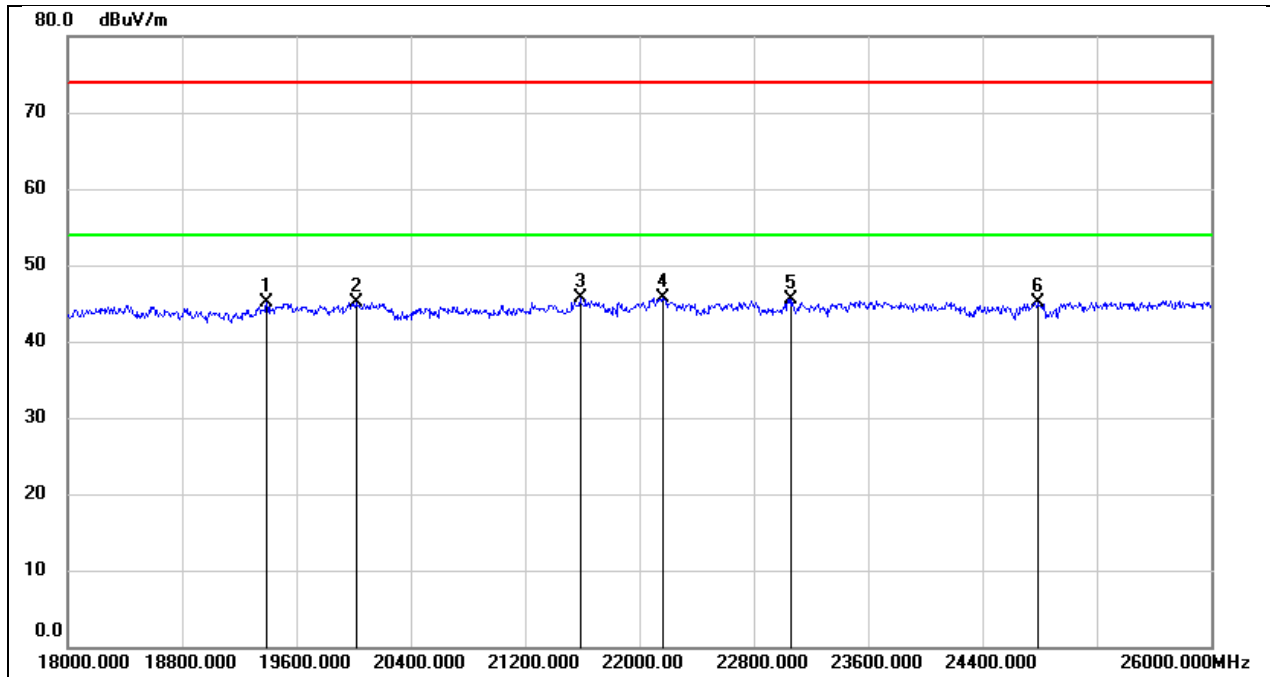
Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5917	64.24	-62.08	2.16	32.16	-30.00	peak
2	0.8162	62.57	-62.16	0.41	29.37	-28.96	peak
3	1.3810	58.97	-62.10	-3.13	24.80	-27.93	peak
4	2.5261	57.41	-61.69	-4.28	29.54	-33.82	peak
5	6.2445	56.13	-61.32	-5.19	29.54	-34.73	peak
6	11.8513	55.56	-60.88	-5.32	29.54	-34.86	peak

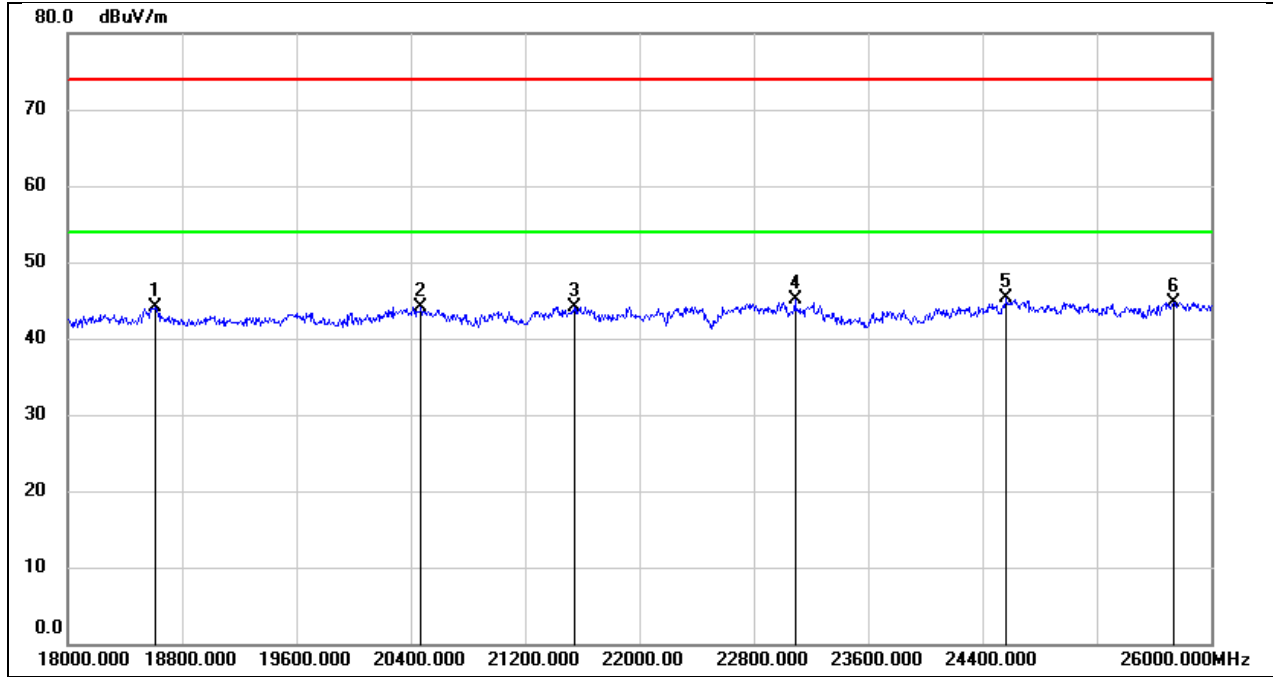
### 8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19392.000	50.62	-5.57	45.05	74.00	-28.95	peak
2	20016.000	50.56	-5.47	45.09	74.00	-28.91	peak
3	21584.000	50.19	-4.56	45.63	74.00	-28.37	peak
4	22160.000	50.08	-4.31	45.77	74.00	-28.23	peak
5	23064.000	48.99	-3.42	45.57	74.00	-28.43	peak
6	24792.000	47.48	-2.28	45.20	74.00	-28.80	peak

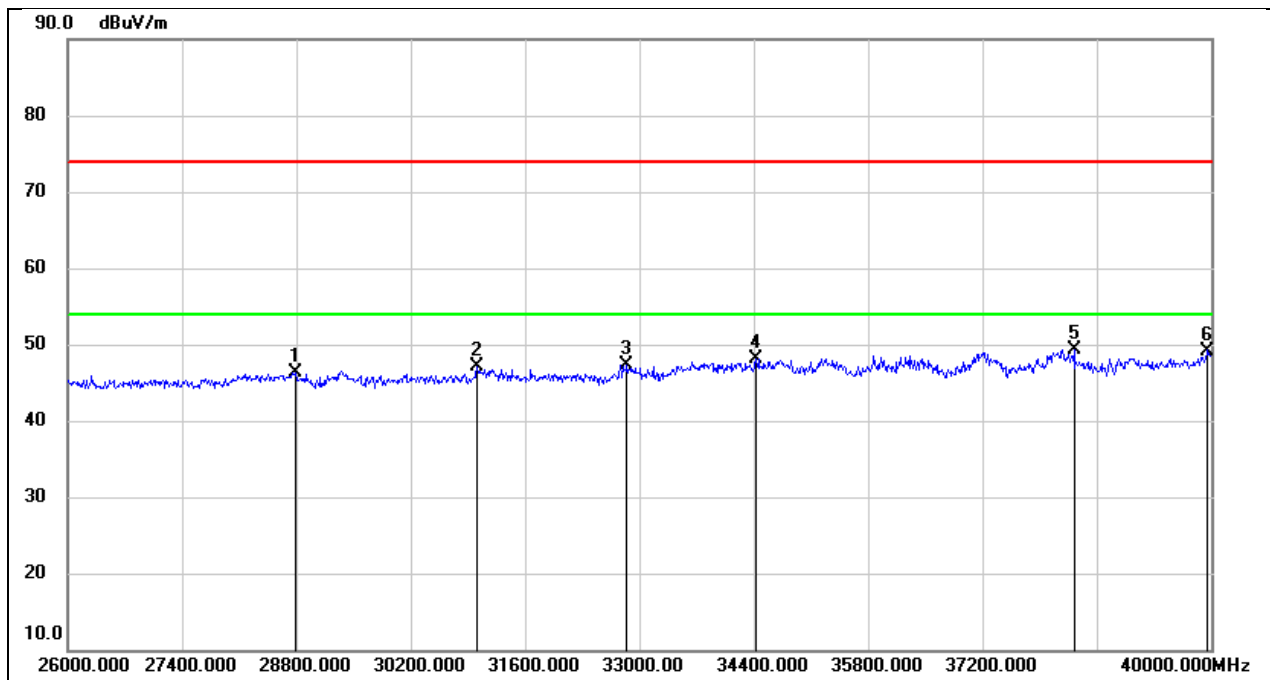
Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18616.000	49.39	-5.34	44.05	74.00	-29.95	peak
2	20472.000	49.57	-5.39	44.18	74.00	-29.82	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	23088.000	48.52	-3.41	45.11	74.00	-28.89	peak
5	24568.000	47.60	-2.33	45.27	74.00	-28.73	peak
6	25736.000	45.44	-0.68	44.76	74.00	-29.24	peak

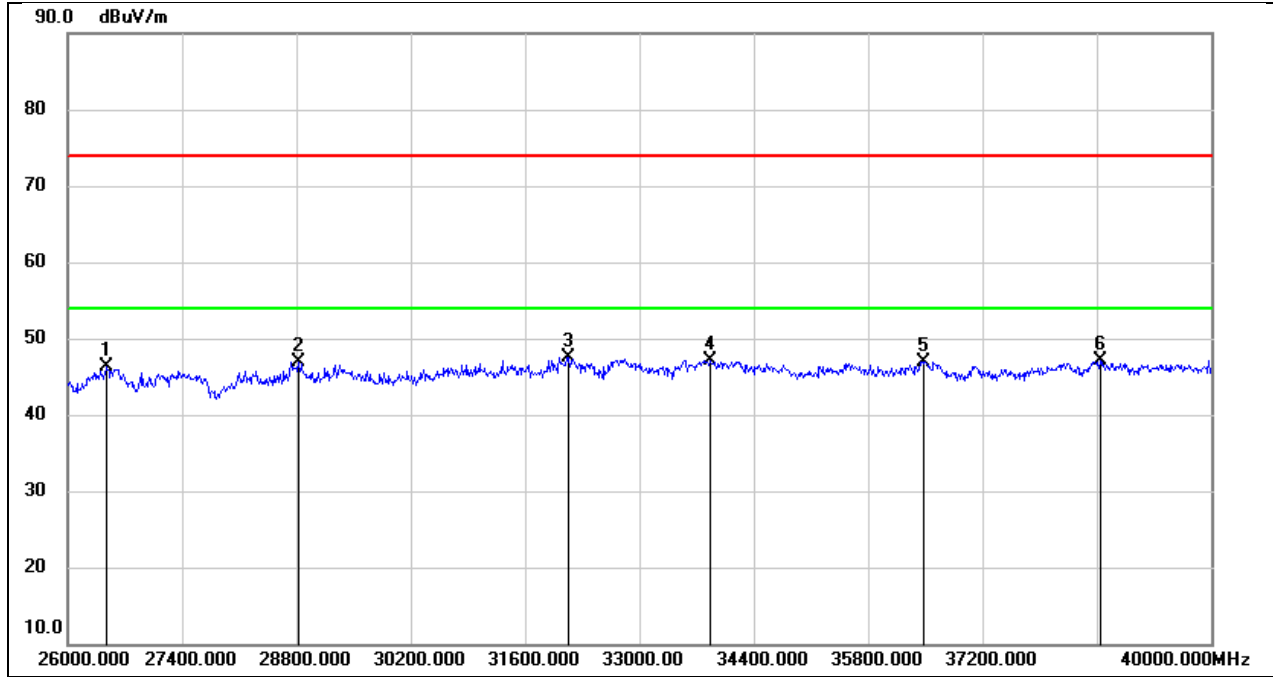
### 8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	28786.000	46.99	-0.64	46.35	74.00	-27.65	peak
2	31012.000	47.83	-0.71	47.12	74.00	-26.88	peak
3	32846.000	48.38	-1.02	47.36	74.00	-26.64	peak
4	34428.000	47.20	0.99	48.19	74.00	-25.81	peak
5	38320.000	45.56	3.77	49.33	74.00	-24.67	peak
6	39958.000	44.08	5.12	49.20	74.00	-24.80	peak

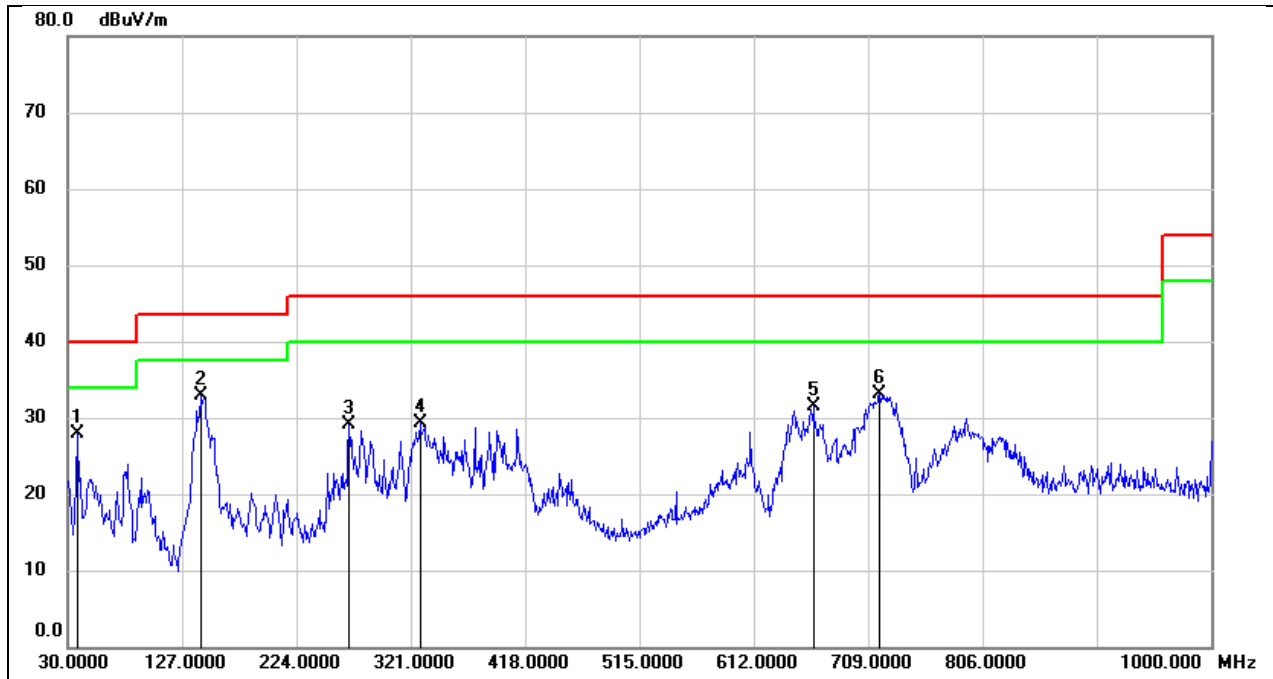
Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 48 V



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	28828.000	47.63	-0.79	46.84	74.00	-27.16	peak
3	32132.000	49.16	-1.64	47.52	74.00	-26.48	peak
4	33868.000	46.51	0.69	47.20	74.00	-26.80	peak
5	36486.000	43.25	3.73	46.98	74.00	-27.02	peak
6	38642.000	43.29	3.86	47.15	74.00	-26.85	peak

### 8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

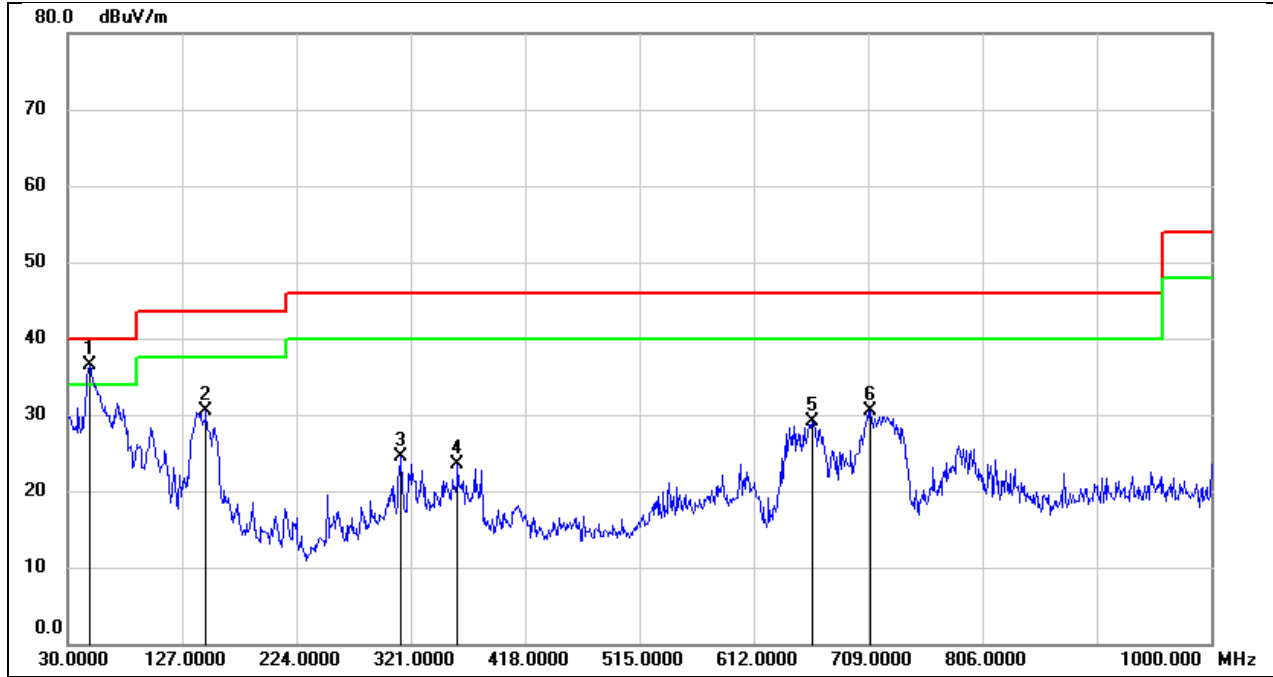
Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 48 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	37.7599	47.42	-19.44	27.98	40.00	-12.02	QP
2	142.5200	51.64	-18.73	32.91	43.50	-10.59	QP
3	268.6200	46.70	-17.61	29.09	46.00	-16.91	QP
4	328.7600	43.13	-13.91	29.22	46.00	-16.78	QP
5	662.4400	40.41	-8.99	31.42	46.00	-14.58	QP
6	718.7000	40.59	-7.55	33.04	46.00	-12.96	QP



Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 48 V

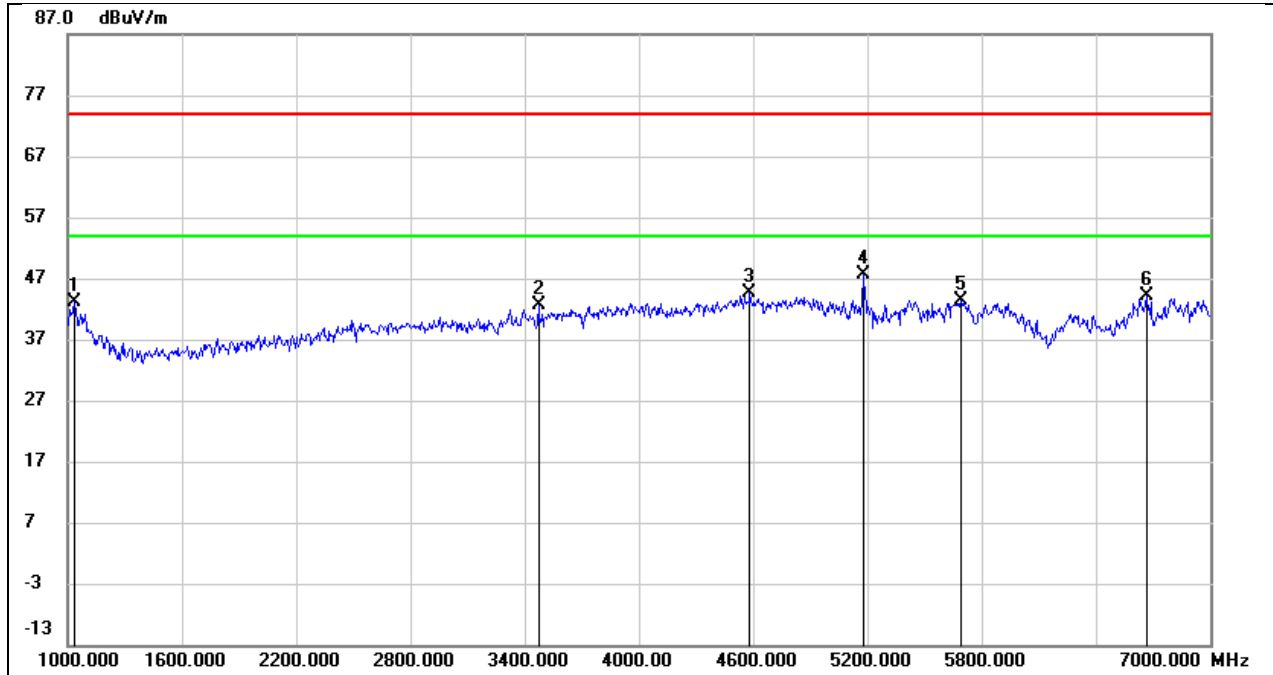


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	48.4300	56.85	-20.44	36.41	40.00	-3.59	QP
2	147.3700	48.98	-18.51	30.47	43.50	-13.03	QP
3	312.2700	39.24	-14.68	24.56	46.00	-21.44	QP
4	360.7700	36.37	-12.94	23.43	46.00	-22.57	QP
5	661.4699	38.17	-9.01	29.16	46.00	-16.84	QP
6	710.9400	38.28	-7.76	30.52	46.00	-15.48	QP

### 8.8. SIMULTANEOUSLY TRANSMISSION SPURIOUS EMISSIONS

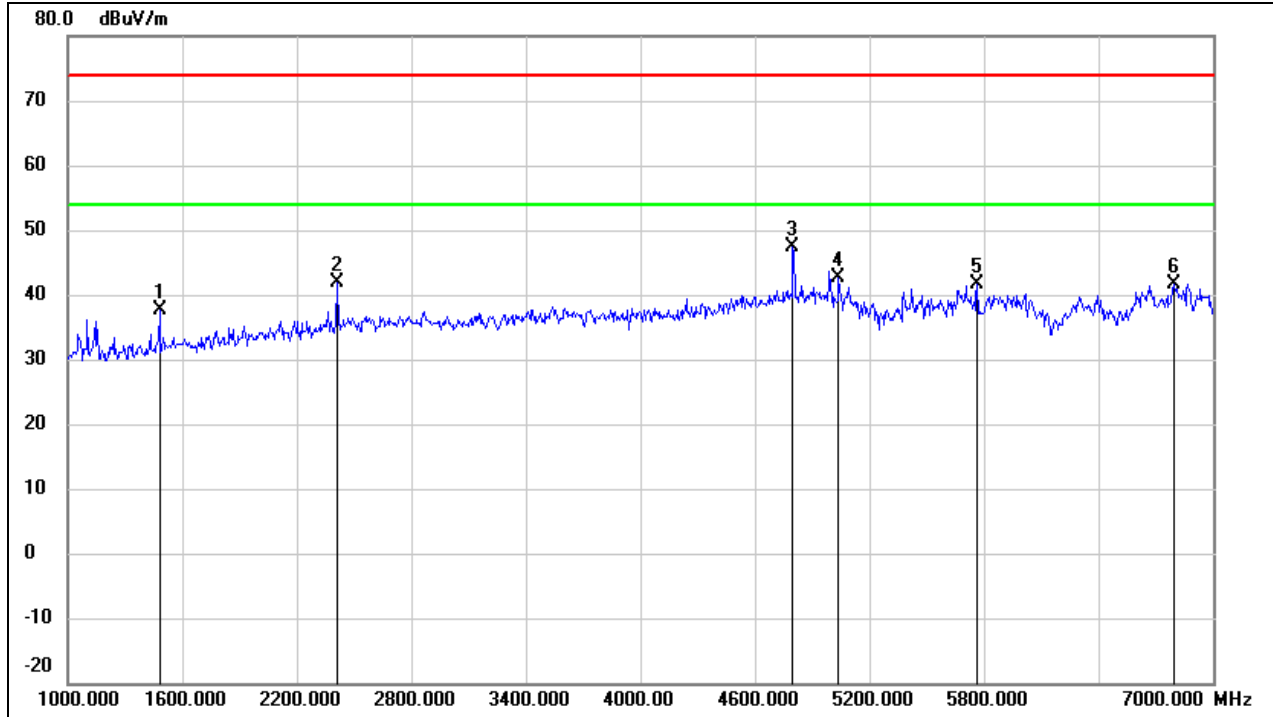
(1 GHz~18 GHz) (Worst case)

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



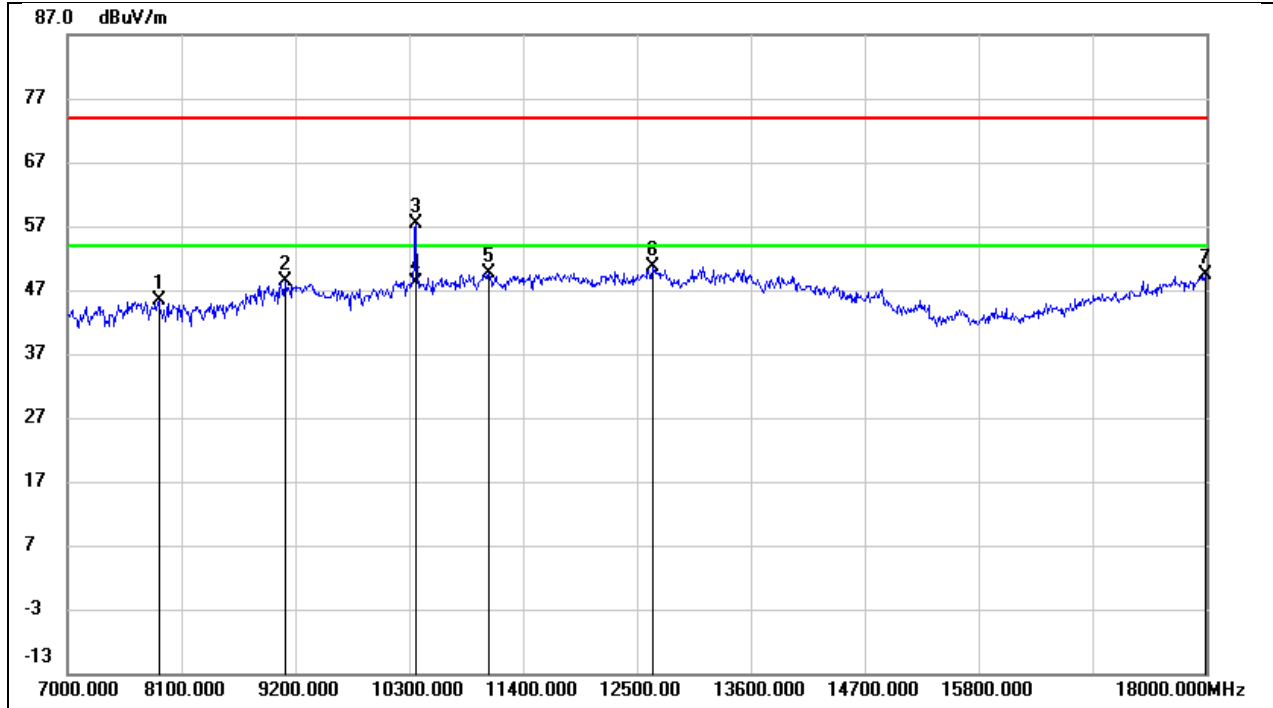
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1036.000	58.00	-14.87	43.13	74.00	-30.87	peak
2	3472.000	48.66	-5.91	42.75	74.00	-31.25	peak
3	4582.000	46.34	-1.82	44.52	74.00	-29.48	peak
4	5176.000	47.62	0.05	47.67	74.00	-26.33	peak
5	5692.000	42.42	0.97	43.39	74.00	-30.61	peak
6	6664.000	39.57	4.54	44.11	74.00	-29.89	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz & WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



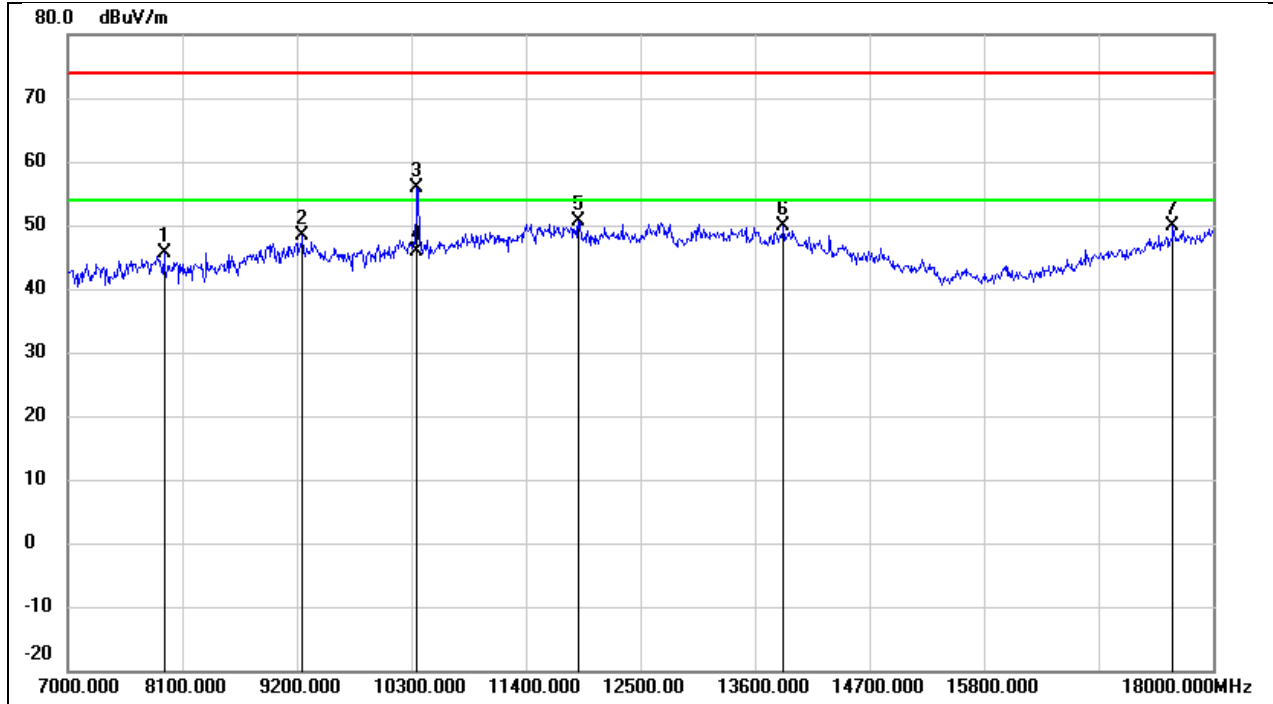
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1480.000	50.49	-12.80	37.69	74.00	-36.31	peak
2	2412.000	50.86	-8.94	41.92	74.00	-32.08	peak
3	4798.000	48.41	-0.95	47.46	74.00	-26.54	peak
4	5038.000	42.79	-0.11	42.68	74.00	-31.32	peak
5	5764.000	40.52	1.17	41.69	74.00	-32.31	peak
6	6796.000	36.39	5.19	41.58	74.00	-32.42	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz &WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Horizontal	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7880.000	38.91	6.54	45.45	74.00	-28.55	peak
2	9101.000	38.09	10.40	48.49	74.00	-25.51	peak
3	10366.000	44.84	12.54	57.38	74.00	-16.62	peak
4	10366.000	35.52	12.54	48.06	54.00	-5.94	AVG
5	11070.000	34.53	15.01	49.54	74.00	-24.46	peak
6	12654.000	32.66	18.01	50.67	74.00	-23.33	peak
7	17989.000	23.45	26.04	49.49	74.00	-24.51	peak

Test Mode:	WIFI 2.4G 802.11b Mode 2437 MHz & WIFI 5G 802.11a Mode 5745 MHz		
Polarity:	Vertical	Test Voltage:	DC 12 V



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7924.000	39.02	6.49	45.51	74.00	-28.49	peak
2	9255.000	37.80	10.50	48.30	74.00	-25.70	peak
3	10355.000	43.37	12.52	55.89	74.00	-18.11	peak
4	10355.000	33.36	12.52	45.88	54.00	-8.12	AVG
5	11906.000	33.18	17.52	50.70	74.00	-23.30	peak
6	13875.000	28.35	21.57	49.92	74.00	-24.08	peak
7	17615.000	26.43	23.49	49.92	74.00	-24.08	peak

## 9. AC POWER LINE CONDUCTED EMISSION

### LIMITS

Please refer to CFR 47 FCC §15.207 (a).

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

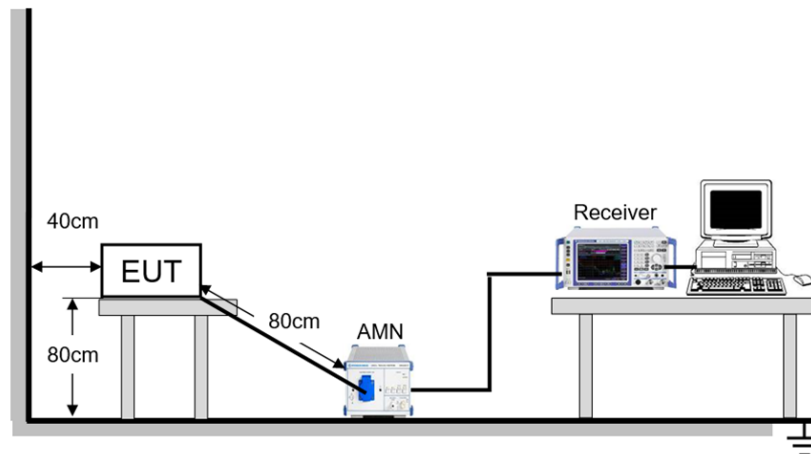
### TEST PROCEDURE

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**

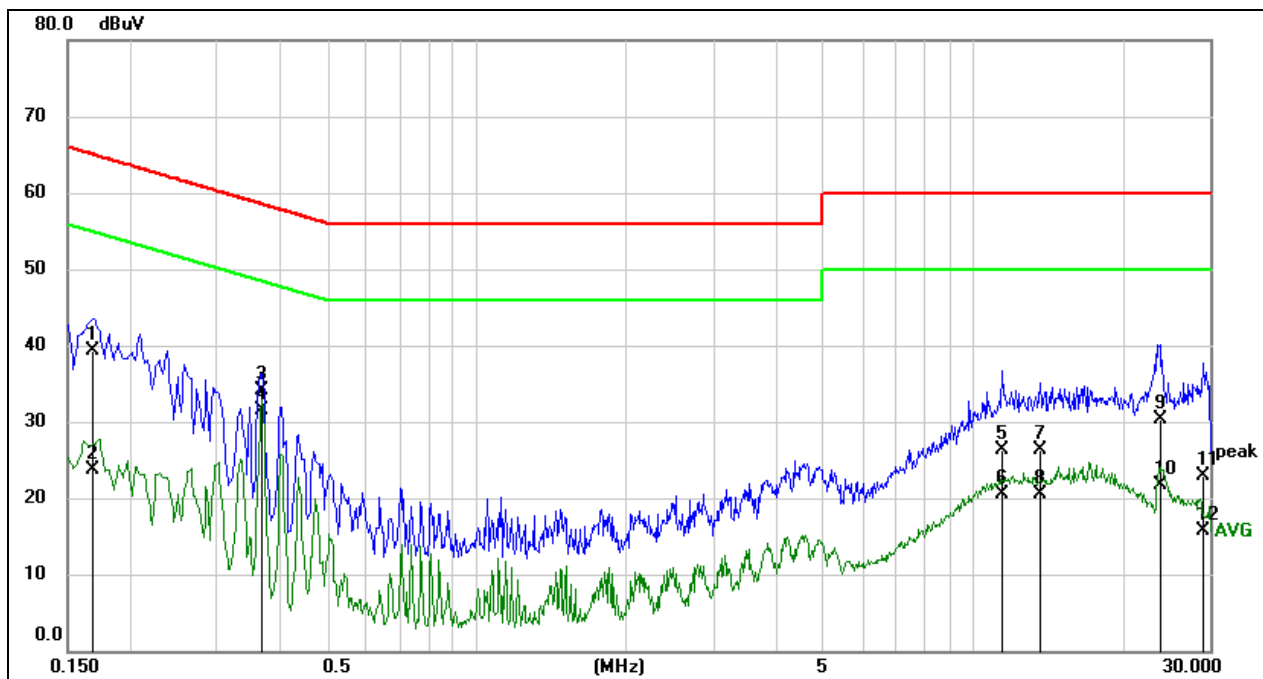
Temperature	24.3°C	Relative Humidity	58.2%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz

**TEST DATE / ENGINEER**

Test Date	November 21, 2023	Test By	Wite Chen
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**TEST RESULTS**

Test Mode:	802.11a20	Frequency(MHz):	5180
Line:	Line		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1684	29.87	9.53	39.40	65.04	-25.64	QP
2	0.1684	14.10	9.53	23.63	55.04	-31.41	AVG
3	0.3696	24.61	9.53	34.14	58.51	-24.37	QP
4	0.3696	22.01	9.53	31.54	48.51	-16.97	AVG
5	11.4514	16.57	9.65	26.22	60.00	-33.78	QP
6	11.4514	10.88	9.65	20.53	50.00	-29.47	AVG
7	13.6409	16.63	9.66	26.29	60.00	-33.71	QP
8	13.6409	10.85	9.66	20.51	50.00	-29.49	AVG
9	23.8285	20.55	9.71	30.26	60.00	-29.74	QP
10	23.8285	12.07	9.71	21.78	50.00	-28.22	AVG
11	29.1421	13.24	9.71	22.95	60.00	-37.05	QP
12	29.1421	5.90	9.71	15.61	50.00	-34.39	AVG

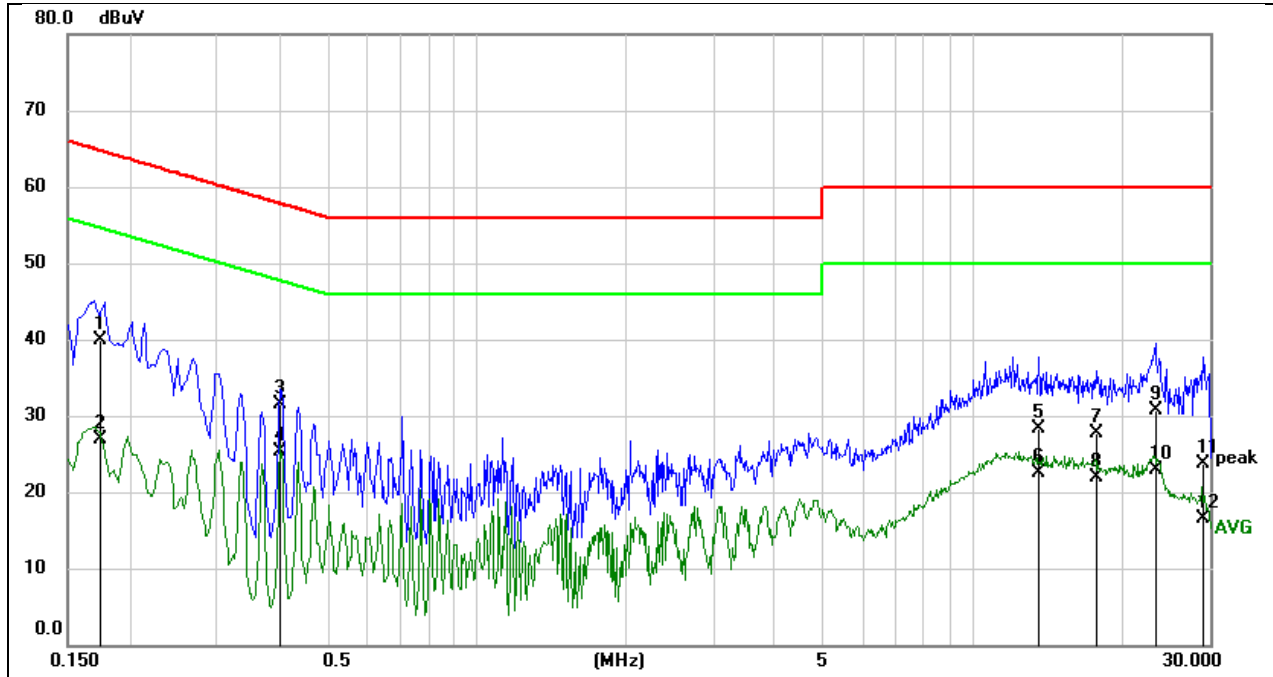
Note:

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.



Test Mode:	802.11a20	Frequency(MHz):	5180
Line:	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1745	30.36	9.54	39.90	64.74	-24.84	QP
2	0.1745	17.45	9.54	26.99	54.74	-27.75	AVG
3	0.4046	21.95	9.53	31.48	57.76	-26.28	QP
4	0.4046	15.87	9.53	25.40	47.76	-22.36	AVG
5	13.5611	18.68	9.66	28.34	60.00	-31.66	QP
6	13.5611	12.94	9.66	22.60	50.00	-27.40	AVG
7	17.7030	17.96	9.70	27.66	60.00	-32.34	QP
8	17.7030	12.12	9.70	21.82	50.00	-28.18	AVG
9	23.2248	20.94	9.72	30.66	60.00	-29.34	QP
10	23.2248	13.09	9.72	22.81	50.00	-27.19	AVG
11	29.2184	14.05	9.71	23.76	60.00	-36.24	QP
12	29.2184	6.86	9.71	16.57	50.00	-33.43	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

### Appendix A: Duty Cycle

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.43	1.53	0.9346	93.46	0.29	0.70	1
11N20	5.43	5.77	0.9411	94.11	0.26	0.18	0.5
11N40	5.43	5.65	0.9611	96.11	0.17	0.18	0.5
11AC80	5.43	5.88	0.9235	92.35	0.35	0.18	0.5
11AX20	5.45	5.73	0.9511	95.11	0.22	0.18	0.5
11AX40	5.45	5.67	0.9612	96.12	0.17	0.18	0.5
11AX80	5.44	5.68	0.9577	95.77	0.19	0.18	0.5

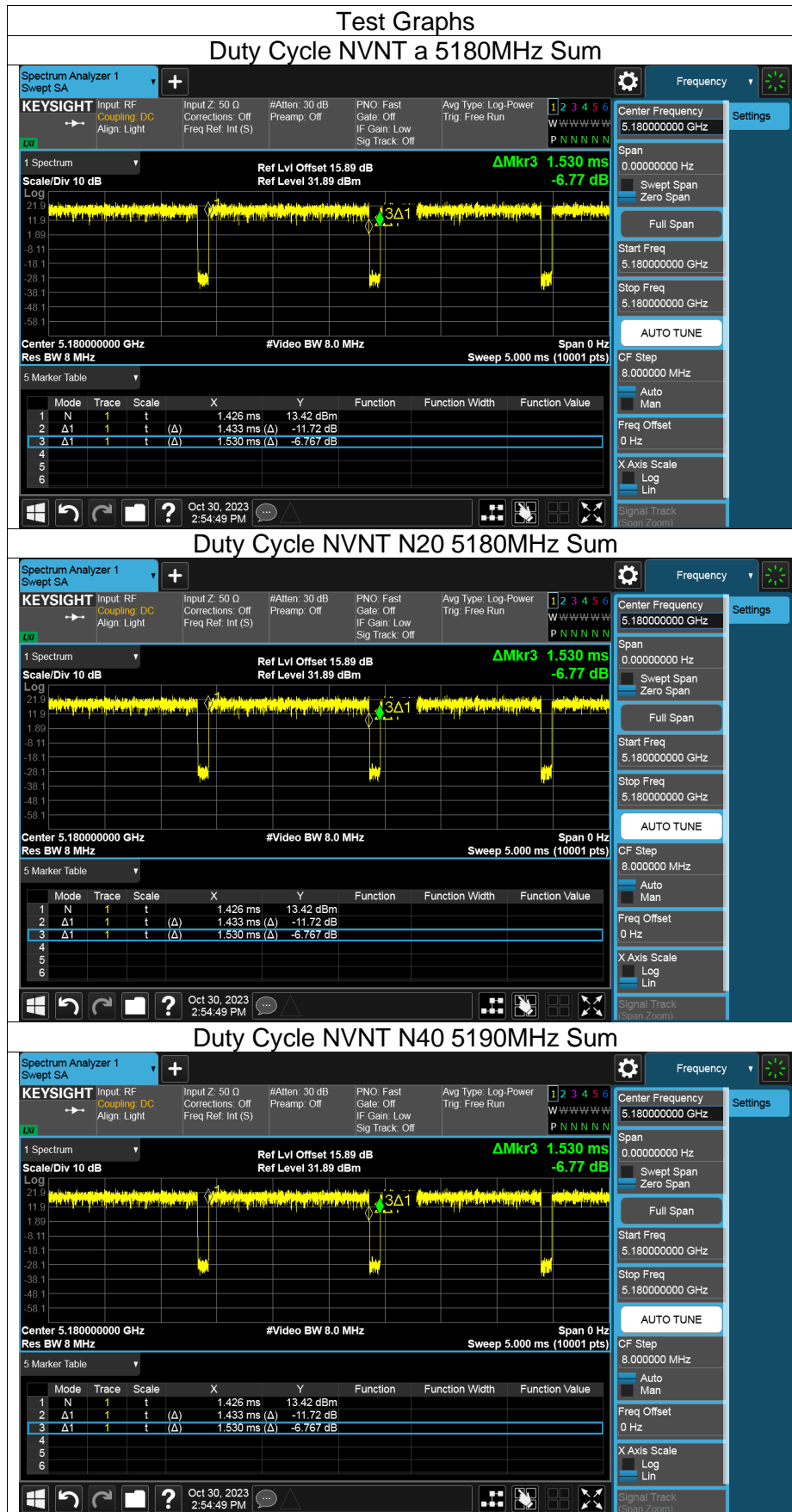
Note:

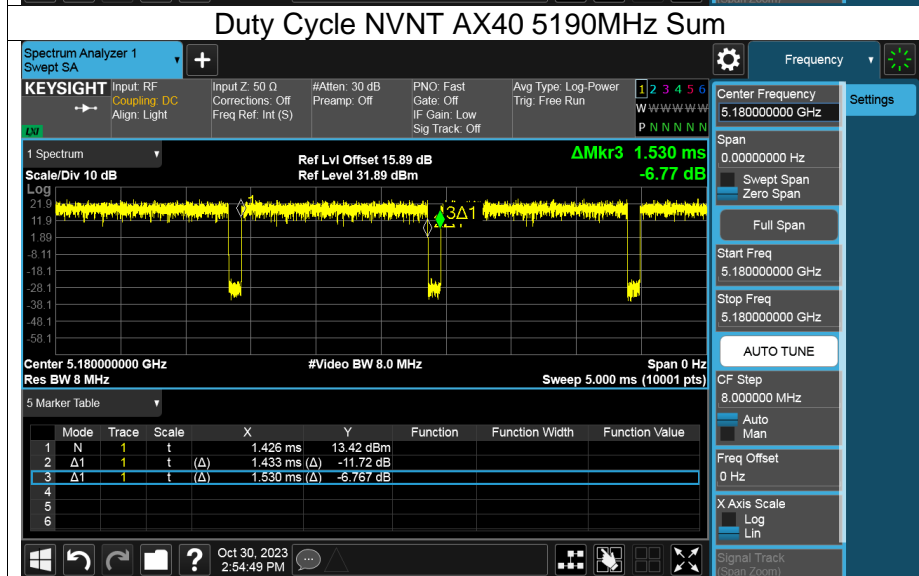
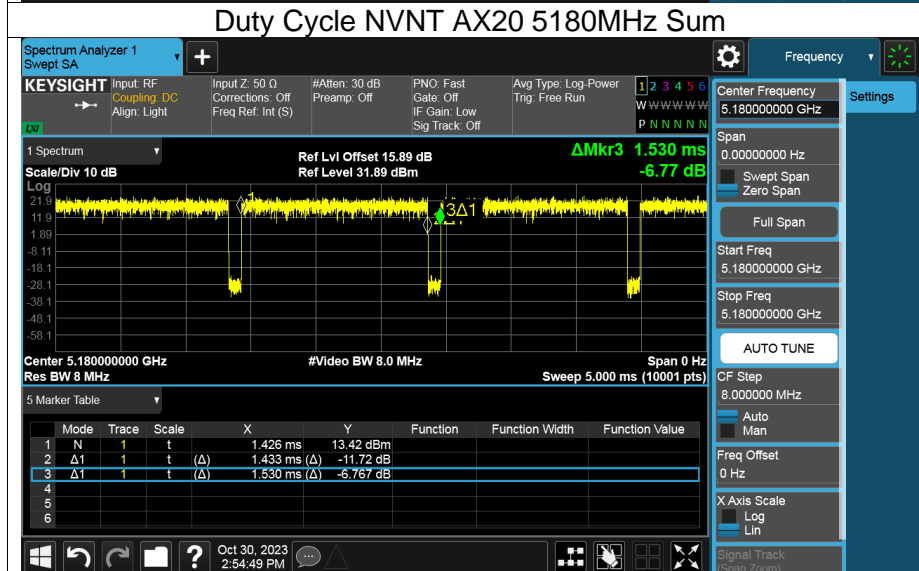
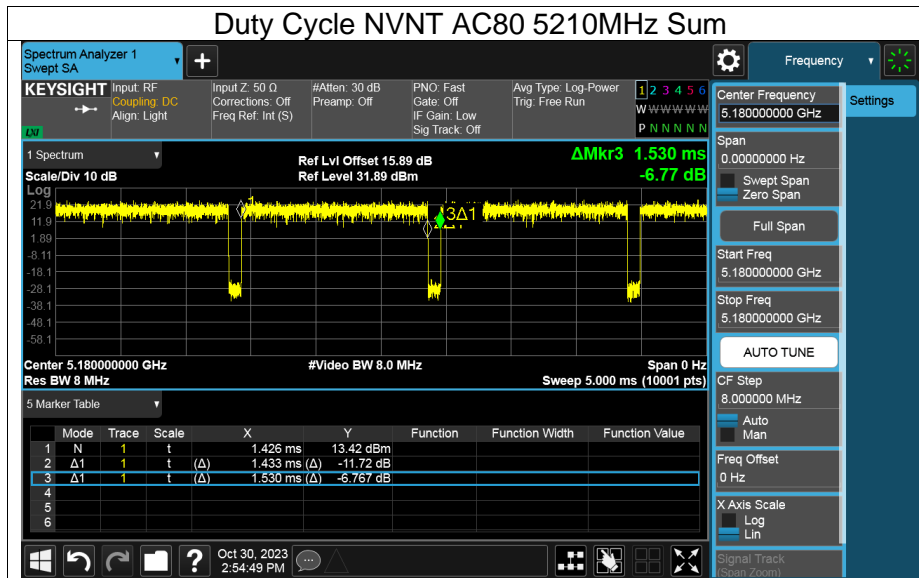
Duty Cycle Correction Factor =  $10 \log(1/x)$ .

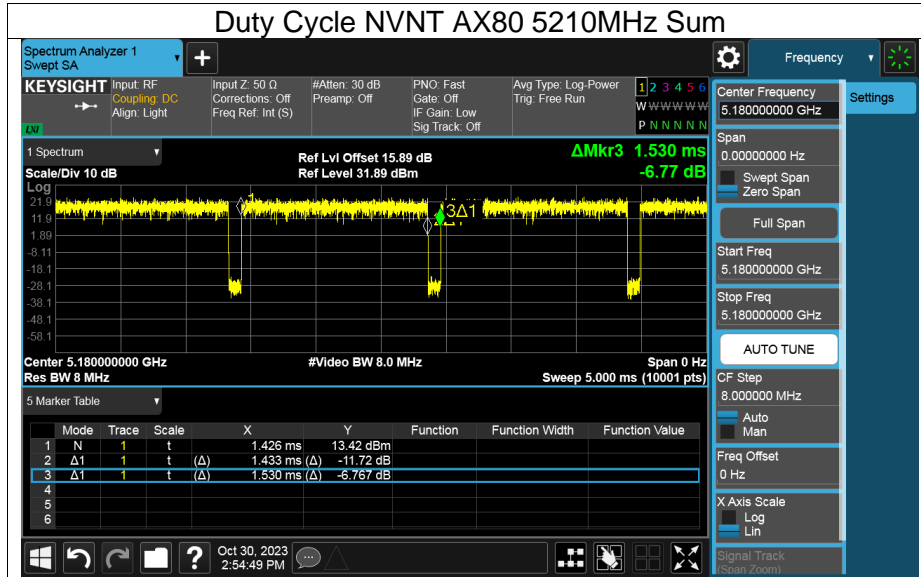
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.







## Appendix B: Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant3	17.86	30	Pass
a	5180	Ant4	20.33	30	Pass
a	5180	Sum	22.28	30	Pass
a	5200	Ant3	22.61	30	Pass
a	5200	Ant4	23.02	30	Pass
a	5200	Sum	25.83	30	Pass
a	5240	Ant3	22.66	30	Pass
a	5240	Ant4	22.61	30	Pass
a	5240	Sum	25.65	30	Pass
a	5260	Ant3	18.66	24	Pass
a	5260	Ant4	18.54	24	Pass
a	5260	Sum	21.61	24	Pass
a	5280	Ant3	19.03	24	Pass
a	5280	Ant4	18.56	24	Pass
a	5280	Sum	21.81	24	Pass
a	5320	Ant3	17.11	24	Pass
a	5320	Ant4	17.64	24	Pass
a	5320	Sum	20.39	24	Pass
a	5500	Ant3	15.82	24	Pass
a	5500	Ant4	17.28	24	Pass
a	5500	Sum	19.62	24	Pass
a	5580	Ant3	19.34	24	Pass
a	5580	Ant4	19.11	24	Pass
a	5580	Sum	22.24	24	Pass
a	5700	Ant3	9.26	24	Pass
a	5700	Ant4	10.16	24	Pass
a	5700	Sum	12.74	24	Pass
a	5745	Ant3	22.53	30	Pass
a	5745	Ant4	23.91	30	Pass
a	5745	Sum	26.28	30	Pass
a	5785	Ant3	21.74	30	Pass
a	5785	Ant4	23.84	30	Pass
a	5785	Sum	25.93	30	Pass
a	5825	Ant3	21.20	30	Pass
a	5825	Ant4	23.42	30	Pass
a	5825	Sum	25.46	30	Pass
n20	5180	Ant3	17.30	30	Pass
n20	5180	Ant4	19.49	30	Pass
n20	5180	Sum	21.54	30	Pass
n20	5200	Ant3	22.88	30	Pass
n20	5200	Ant4	24.23	30	Pass
n20	5200	Sum	26.62	30	Pass
n20	5240	Ant3	22.51	30	Pass
n20	5240	Ant4	23.76	30	Pass
n20	5240	Sum	26.19	30	Pass
n20	5260	Ant3	18.56	24	Pass
n20	5260	Ant4	19.39	24	Pass
n20	5260	Sum	22.01	24	Pass
n20	5280	Ant3	19.01	24	Pass

n20	5280	Ant4	19.48	24	Pass
n20	5280	Sum	22.26	24	Pass
n20	5320	Ant3	14.07	24	Pass
n20	5320	Ant4	14.55	24	Pass
n20	5320	Sum	17.33	24	Pass
n20	5500	Ant3	11.43	24	Pass
n20	5500	Ant4	12.47	24	Pass
n20	5500	Sum	14.99	24	Pass
n20	5580	Ant3	19.34	24	Pass
n20	5580	Ant4	19.60	24	Pass
n20	5580	Sum	22.48	24	Pass
n20	5700	Ant3	8.85	24	Pass
n20	5700	Ant4	9.60	24	Pass
n20	5700	Sum	12.25	24	Pass
n20	5745	Ant3	23.59	30	Pass
n20	5745	Ant4	23.78	30	Pass
n20	5745	Sum	26.70	30	Pass
n20	5785	Ant3	23.29	30	Pass
n20	5785	Ant4	23.46	30	Pass
n20	5785	Sum	26.39	30	Pass
n20	5825	Ant3	22.42	30	Pass
n20	5825	Ant4	23.27	30	Pass
n20	5825	Sum	25.88	30	Pass
n40	5190	Ant3	12.57	30	Pass
n40	5190	Ant4	14.67	30	Pass
n40	5190	Sum	16.76	30	Pass
n40	5230	Ant3	17.43	30	Pass
n40	5230	Ant4	19.50	30	Pass
n40	5230	Sum	21.60	30	Pass
n40	5270	Ant3	18.36	24	Pass
n40	5270	Ant4	19.38	24	Pass
n40	5270	Sum	21.91	24	Pass
n40	5310	Ant3	13.55	24	Pass
n40	5310	Ant4	14.05	24	Pass
n40	5310	Sum	16.82	24	Pass
n40	5510	Ant3	11.80	24	Pass
n40	5510	Ant4	12.74	24	Pass
n40	5510	Sum	15.31	24	Pass
n40	5550	Ant3	20.62	24	Pass
n40	5550	Ant4	20.82	24	Pass
n40	5550	Sum	23.73	24	Pass
n40	5670	Ant3	17.12	24	Pass
n40	5670	Ant4	18.11	24	Pass
n40	5670	Sum	20.65	24	Pass
n40	5755	Ant3	21.37	30	Pass
n40	5755	Ant4	22.53	30	Pass
n40	5755	Sum	25.00	30	Pass
n40	5795	Ant3	21.84	30	Pass
n40	5795	Ant4	23.65	30	Pass
n40	5795	Sum	25.85	30	Pass
ac80	5210	Ant3	12.13	30	Pass
ac80	5210	Ant4	14.36	30	Pass
ac80	5210	Sum	16.40	30	Pass
ac80	5290	Ant3	12.63	24	Pass



ac80	5290	Ant4	13.49	24	Pass
ac80	5290	Sum	16.09	24	Pass
ac80	5530	Ant3	11.85	24	Pass
ac80	5530	Ant4	13.12	24	Pass
ac80	5530	Sum	15.54	24	Pass
ac80	5610	Ant3	18.22	24	Pass
ac80	5610	Ant4	18.96	24	Pass
ac80	5610	Sum	21.62	24	Pass
ac80	5775	Ant3	17.38	30	Pass
ac80	5775	Ant4	18.69	30	Pass
ac80	5775	Sum	21.09	30	Pass
ax20	5180	Ant3	16.63	30	Pass
ax20	5180	Ant4	18.96	30	Pass
ax20	5180	Sum	20.96	30	Pass
ax20	5200	Ant3	22.55	30	Pass
ax20	5200	Ant4	24.00	30	Pass
ax20	5200	Sum	26.35	30	Pass
ax20	5240	Ant3	22.60	30	Pass
ax20	5240	Ant4	23.83	30	Pass
ax20	5240	Sum	26.27	30	Pass
ax20	5260	Ant3	19.06	24	Pass
ax20	5260	Ant4	19.90	24	Pass
ax20	5260	Sum	22.51	24	Pass
ax20	5280	Ant3	18.68	24	Pass
ax20	5280	Ant4	19.08	24	Pass
ax20	5280	Sum	21.89	24	Pass
ax20	5320	Ant3	13.44	24	Pass
ax20	5320	Ant4	14.11	24	Pass
ax20	5320	Sum	16.80	24	Pass
ax20	5500	Ant3	11.47	24	Pass
ax20	5500	Ant4	12.40	24	Pass
ax20	5500	Sum	14.97	24	Pass
ax20	5580	Ant3	19.33	24	Pass
ax20	5580	Ant4	19.64	24	Pass
ax20	5580	Sum	22.50	24	Pass
ax20	5700	Ant3	9.06	24	Pass
ax20	5700	Ant4	10.06	24	Pass
ax20	5700	Sum	12.60	24	Pass
ax20	5745	Ant3	23.98	30	Pass
ax20	5745	Ant4	24.04	30	Pass
ax20	5745	Sum	27.02	30	Pass
ax20	5785	Ant3	23.57	30	Pass
ax20	5785	Ant4	23.88	30	Pass
ax20	5785	Sum	26.74	30	Pass
ax20	5825	Ant3	22.80	30	Pass
ax20	5825	Ant4	23.42	30	Pass
ax20	5825	Sum	26.13	30	Pass
ax40	5190	Ant3	12.22	30	Pass
ax40	5190	Ant4	14.23	30	Pass
ax40	5190	Sum	16.35	30	Pass
ax40	5230	Ant3	17.05	30	Pass
ax40	5230	Ant4	19.22	30	Pass
ax40	5230	Sum	21.28	30	Pass

ax40	5270	Ant3	18.14	24	Pass
ax40	5270	Ant4	19.37	24	Pass
ax40	5270	Sum	21.81	24	Pass
ax40	5310	Ant3	13.20	24	Pass
ax40	5310	Ant4	13.83	24	Pass
ax40	5310	Sum	16.54	24	Pass
ax40	5510	Ant3	11.66	24	Pass
ax40	5510	Ant4	12.57	24	Pass
ax40	5510	Sum	15.15	24	Pass
ax40	5550	Ant3	20.96	24	Pass
ax40	5550	Ant4	20.84	24	Pass
ax40	5550	Sum	23.91	24	Pass
ax40	5670	Ant3	13.59	24	Pass
ax40	5670	Ant4	14.76	24	Pass
ax40	5670	Sum	17.22	24	Pass
ax40	5755	Ant3	21.66	30	Pass
ax40	5755	Ant4	22.84	30	Pass
ax40	5755	Sum	25.30	30	Pass
ax40	5795	Ant3	21.96	30	Pass
ax40	5795	Ant4	23.47	30	Pass
ax40	5795	Sum	25.79	30	Pass
ax80	5210	Ant3	13.14	30	Pass
ax80	5210	Ant4	15.26	30	Pass
ax80	5210	Sum	17.34	30	Pass
ax80	5290	Ant3	13.23	24	Pass
ax80	5290	Ant4	14.29	24	Pass
ax80	5290	Sum	16.80	24	Pass
ax80	5530	Ant3	12.12	24	Pass
ax80	5530	Ant4	13.35	24	Pass
ax80	5530	Sum	15.79	24	Pass
ax80	5610	Ant3	13.69	24	Pass
ax80	5610	Ant4	14.37	24	Pass
ax80	5610	Sum	17.05	24	Pass
ax80	5775	Ant3	17.36	30	Pass
ax80	5775	Ant4	18.02	30	Pass
ax80	5775	Sum	20.71	30	Pass

**Appendix C: -26dB Bandwidth**

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
a	5180	Ant3	20.701	Pass
		Ant4	20.004	Pass
	5200	Ant3	20.407	Pass
		Ant4	20.599	Pass
	5240	Ant3	20.26	Pass
		Ant4	19.858	Pass
	5260	Ant3	20.153	Pass
		Ant4	21.456	Pass
	5280	Ant3	20.298	Pass
		Ant4	23.247	Pass
	5320	Ant3	19.905	Pass
		Ant4	19.951	Pass
	5500	Ant3	20.235	Pass
		Ant4	19.892	Pass
	5580	Ant3	20.518	Pass
		Ant4	20.958	Pass
5700	Ant3	20.477	Pass	
	Ant4	21.217	Pass	
n20	5180	Ant3	21.273	Pass
		Ant4	21.014	Pass
	5200	Ant3	21.509	Pass
		Ant4	21.238	Pass
	5240	Ant3	21.653	Pass
		Ant4	21.025	Pass
	5260	Ant3	21.871	Pass
		Ant4	21.692	Pass
	5280	Ant3	21.468	Pass
		Ant4	21.611	Pass
	5320	Ant3	21.938	Pass
		Ant4	21.516	Pass
	5500	Ant3	21.451	Pass
		Ant4	20.913	Pass
	5580	Ant3	21.667	Pass
		Ant4	21.057	Pass
5700	Ant3	21.455	Pass	
	Ant4	21.185	Pass	
n40	5190	Ant3	42.758	Pass
		Ant4	42.428	Pass
	5230	Ant3	43.832	Pass
		Ant4	43.186	Pass
	5270	Ant3	44.322	Pass
		Ant4	42.526	Pass
	5310	Ant3	42.856	Pass
		Ant4	42.362	Pass
	5510	Ant3	43.782	Pass
		Ant4	42.773	Pass
	5550	Ant3	43.683	Pass
		Ant4	43.353	Pass
5670	Ant3	43.811	Pass	
	Ant4	42.915	Pass	
ac80	5210	Ant3	87.302	Pass

	5290	Ant4	88.031	Pass	
		Ant3	89.023	Pass	
	5530	Ant4	86.682	Pass	
		Ant3	88.669	Pass	
	5610	Ant4	87.256	Pass	
		Ant3	91.122	Pass	
ax20	5180	Ant4	88.501	Pass	
		Ant3	22.313	Pass	
	5200	Ant4	21.991	Pass	
		Ant3	21.87	Pass	
	5240	Ant4	21.551	Pass	
		Ant3	21.873	Pass	
	5260	Ant4	21.738	Pass	
		Ant3	21.894	Pass	
	5280	Ant4	21.921	Pass	
		Ant3	22.067	Pass	
	5320	Ant4	22.204	Pass	
		Ant3	21.891	Pass	
	5500	Ant4	21.946	Pass	
		Ant3	22.144	Pass	
	5580	Ant4	21.73	Pass	
		Ant3	21.868	Pass	
	5700	Ant4	21.868	Pass	
		Ant3	22.171	Pass	
	ax40	5190	Ant4	22.187	Pass
			Ant3	22.797	Pass
5230		Ant4	42.444	Pass	
		Ant3	42.662	Pass	
5270		Ant4	42.316	Pass	
		Ant3	42.7	Pass	
5310		Ant4	42.123	Pass	
		Ant3	45.211	Pass	
5510		Ant4	42.568	Pass	
		Ant3	43.521	Pass	
5550		Ant4	42.863	Pass	
		Ant3	43.142	Pass	
5670		Ant4	42.496	Pass	
		Ant3	42.828	Pass	
ax80		5210	Ant4	42.515	Pass
			Ant3	42.52	Pass
		5290	Ant4	85.655	Pass
			Ant3	85.473	Pass
		5530	Ant4	86.652	Pass
			Ant3	85.569	Pass
	5610	Ant4	86.694	Pass	
		Ant3	87.327	Pass	
			Ant4	85.725	Pass
			Ant3	84.367	Pass

