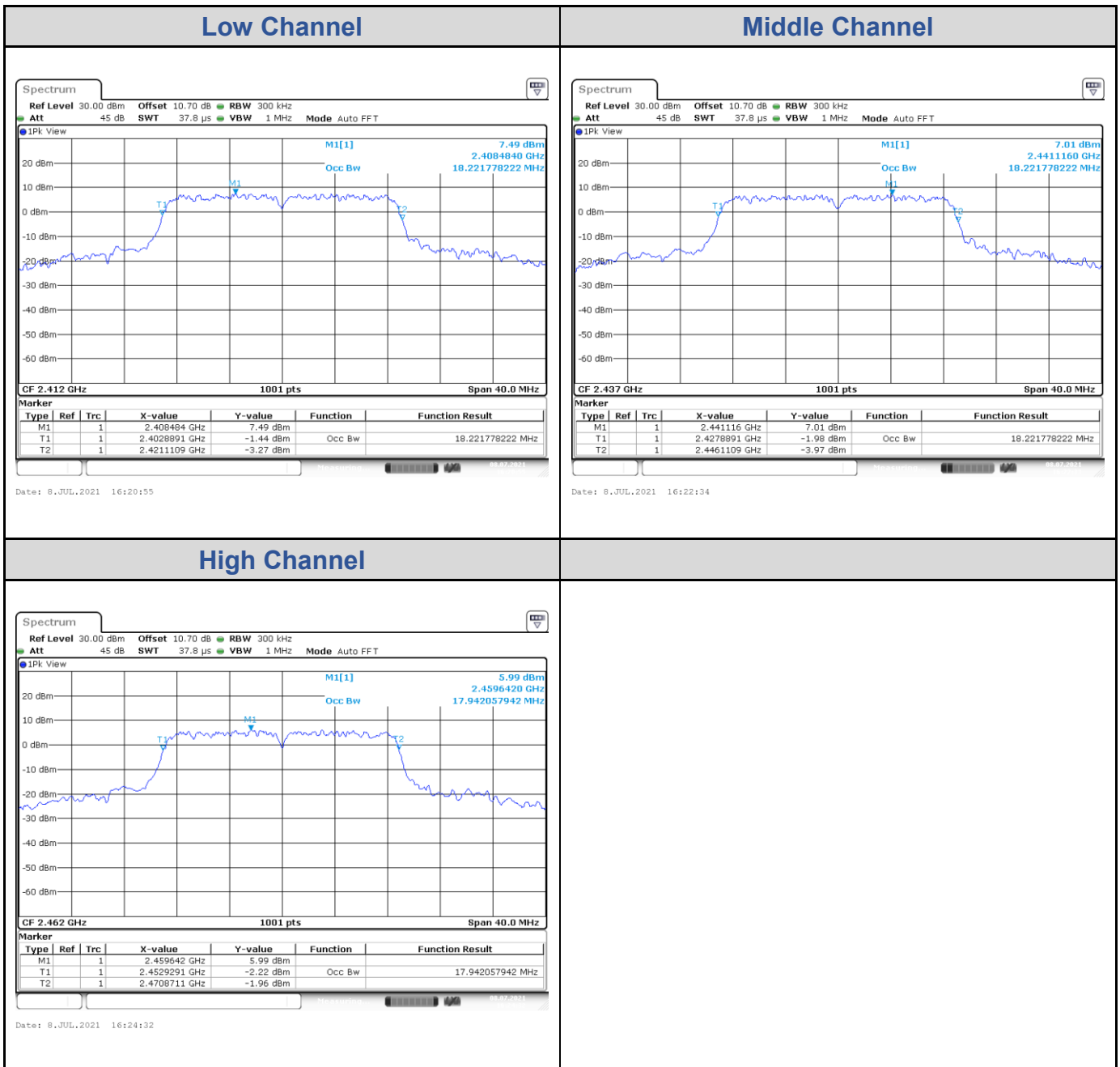


**802.11n HT20**

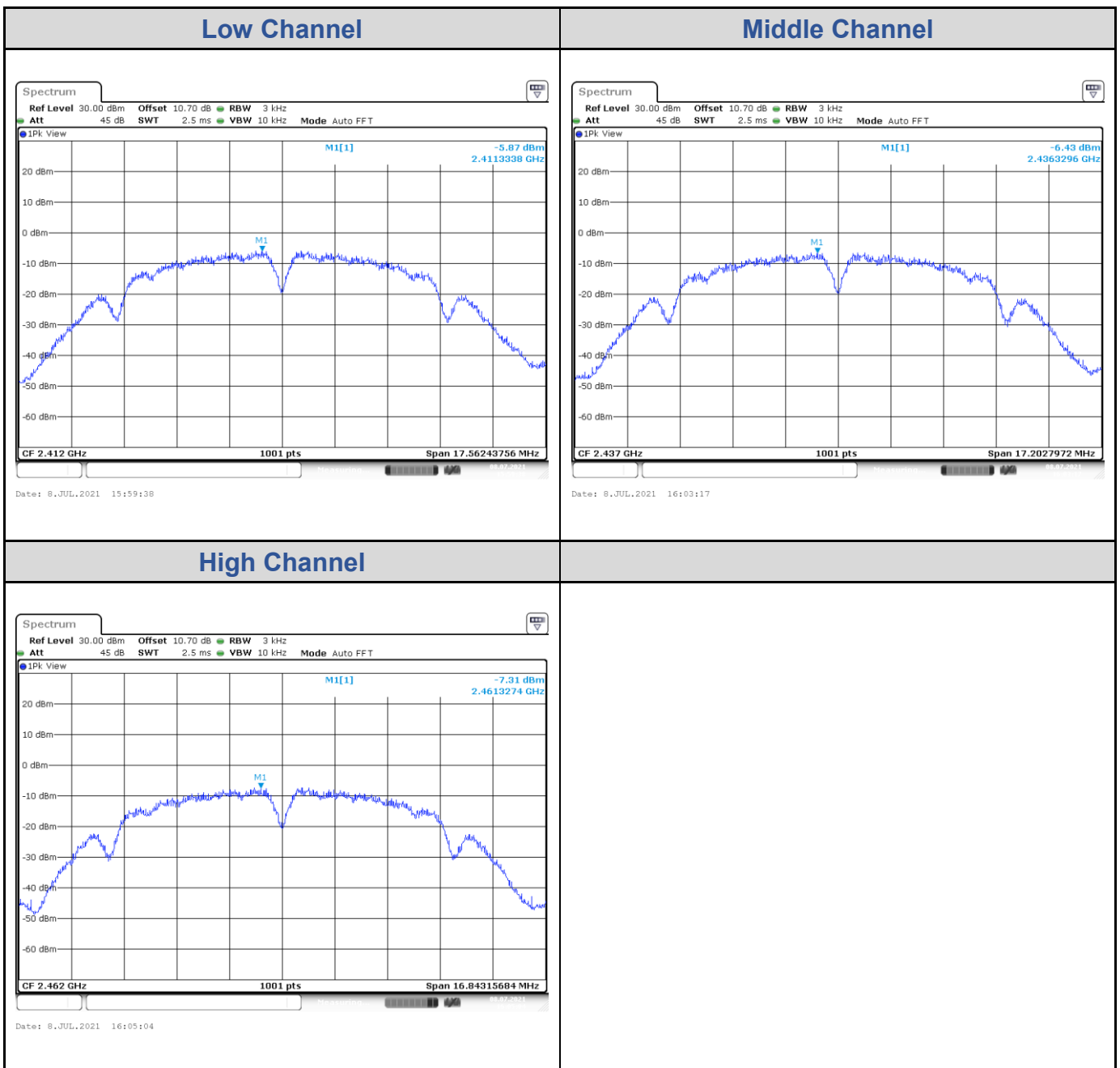
Channel	Channel Frequency (MHz)	99% Bandwidth (MHz)
Low Channel	2412	18.22
Middle Channel	2437	18.22
High Channel	2462	17.94



## Test Result of Power Spectral Density

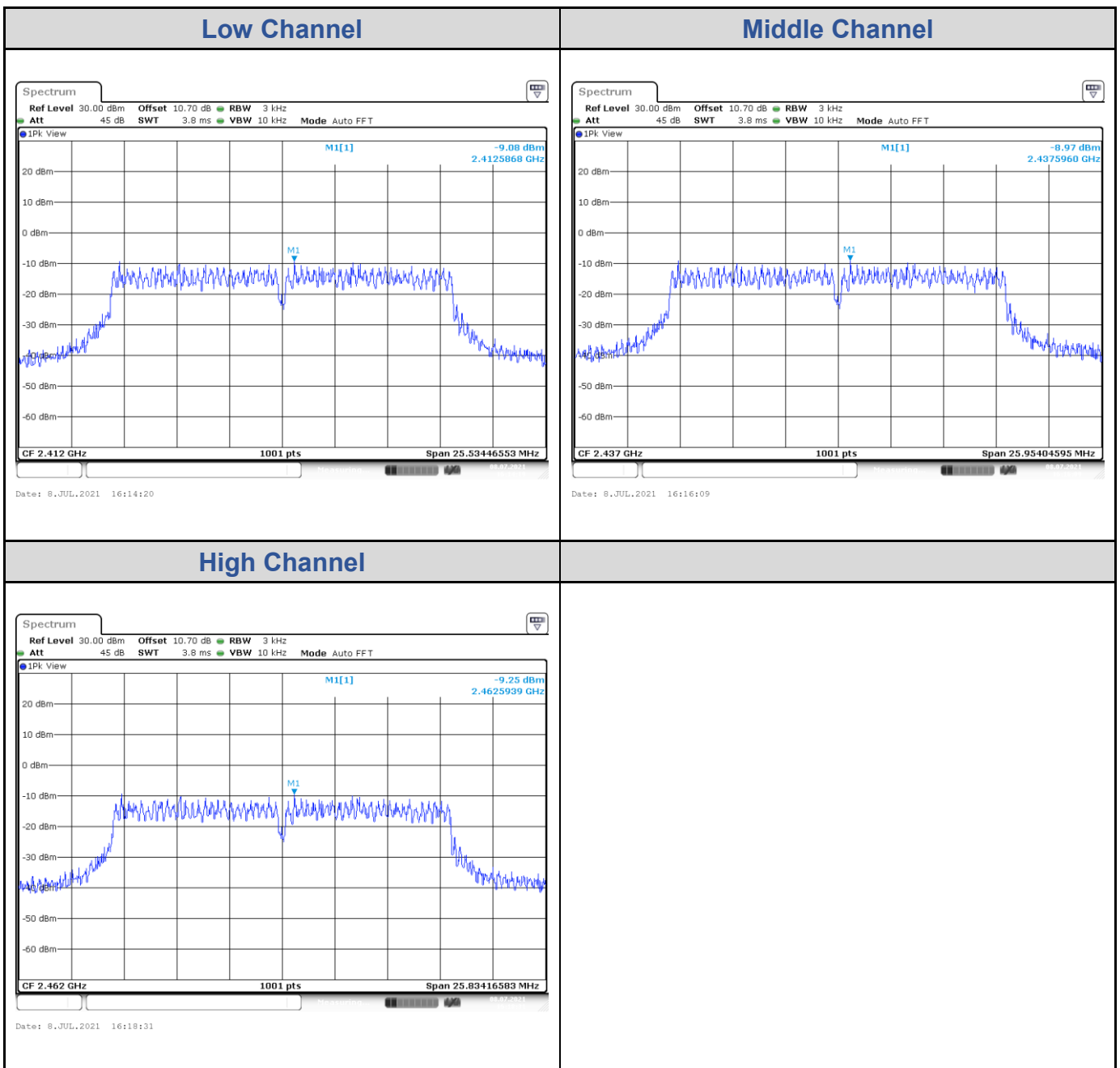
### 802.11b

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2412	-5.87	8
Middle Channel	2437	-6.43	8
High Channel	2462	-7.31	8



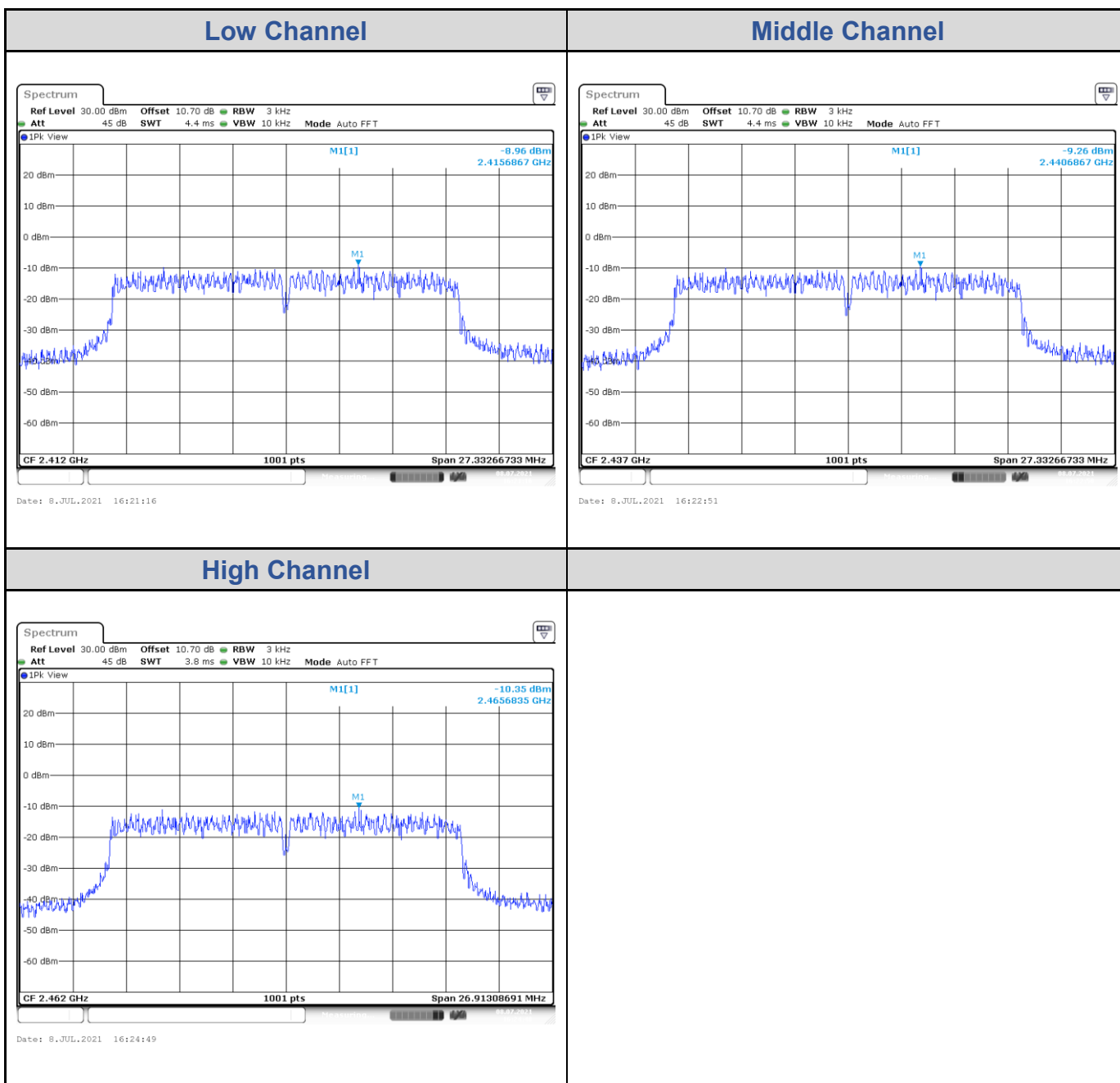
**802.11g**

Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2412	-9.08	8
Middle Channel	2437	-8.97	8
High Channel	2462	-9.25	8

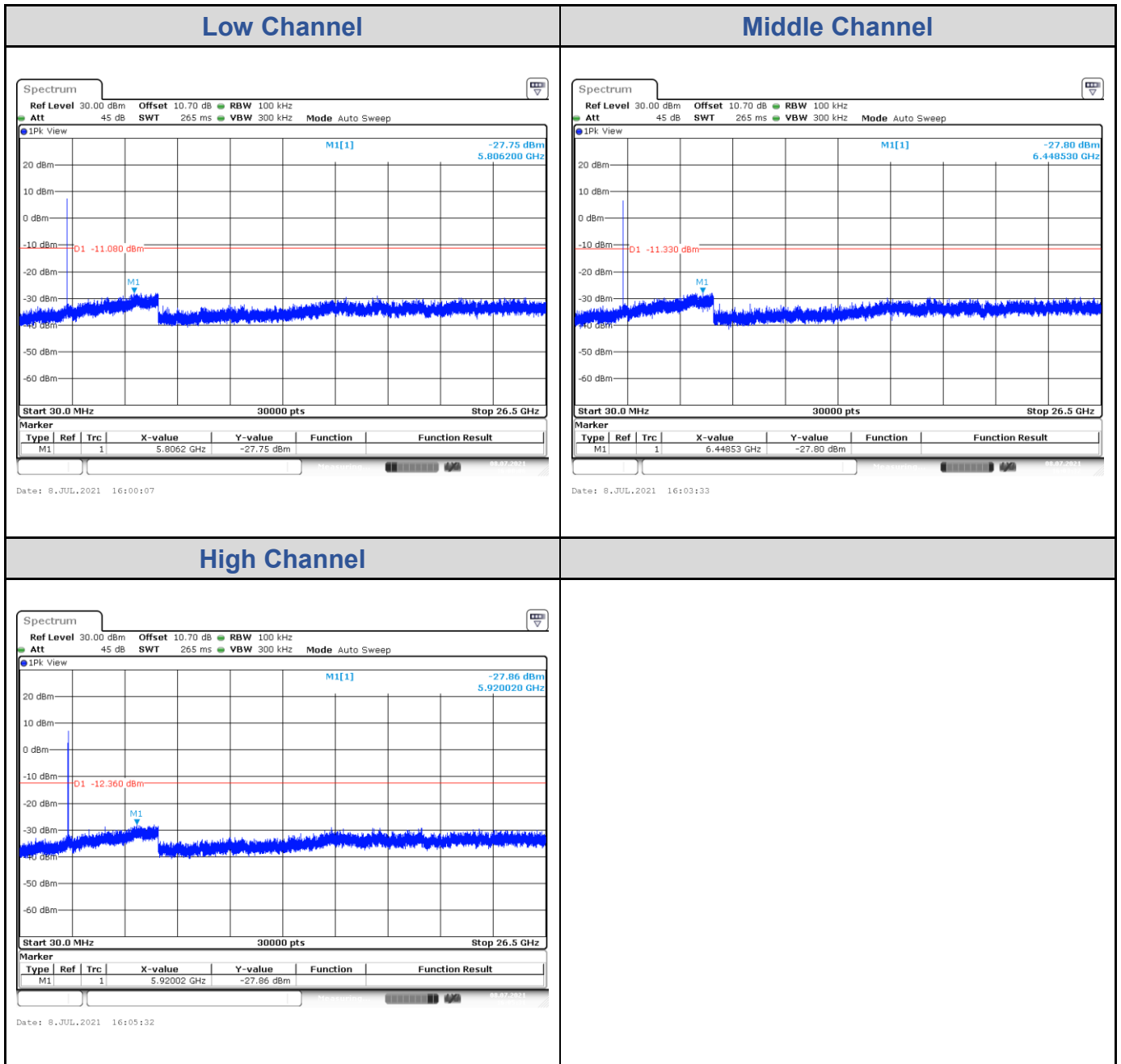


**802.11n HT20**

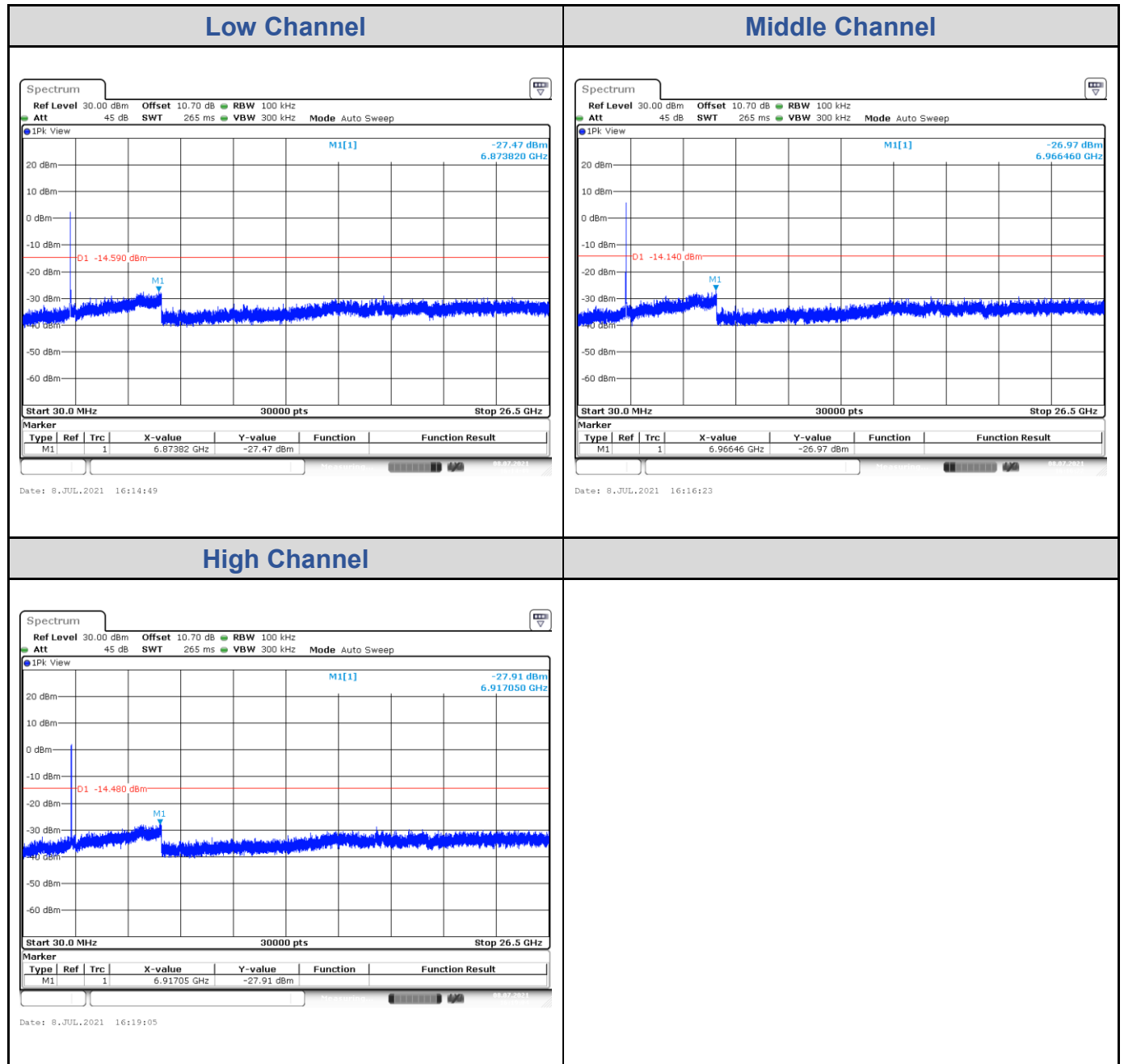
Channel	Channel Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3kHz)
Low Channel	2412	-8.96	8
Middle Channel	2437	-9.26	8
High Channel	2462	-10.35	8



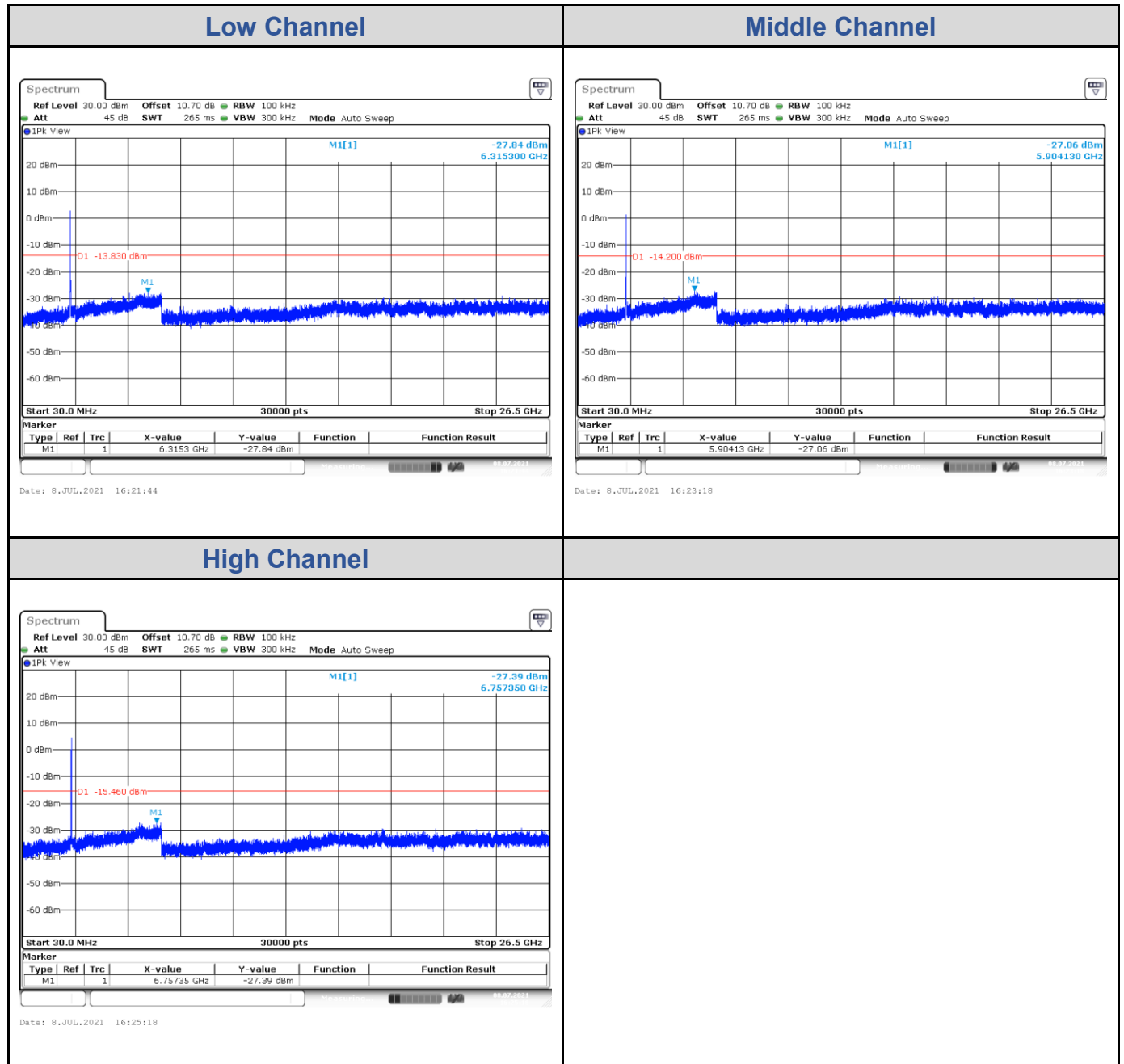
## Test Result of Conducted Spurious Emissions

**802.11b**


802.11g

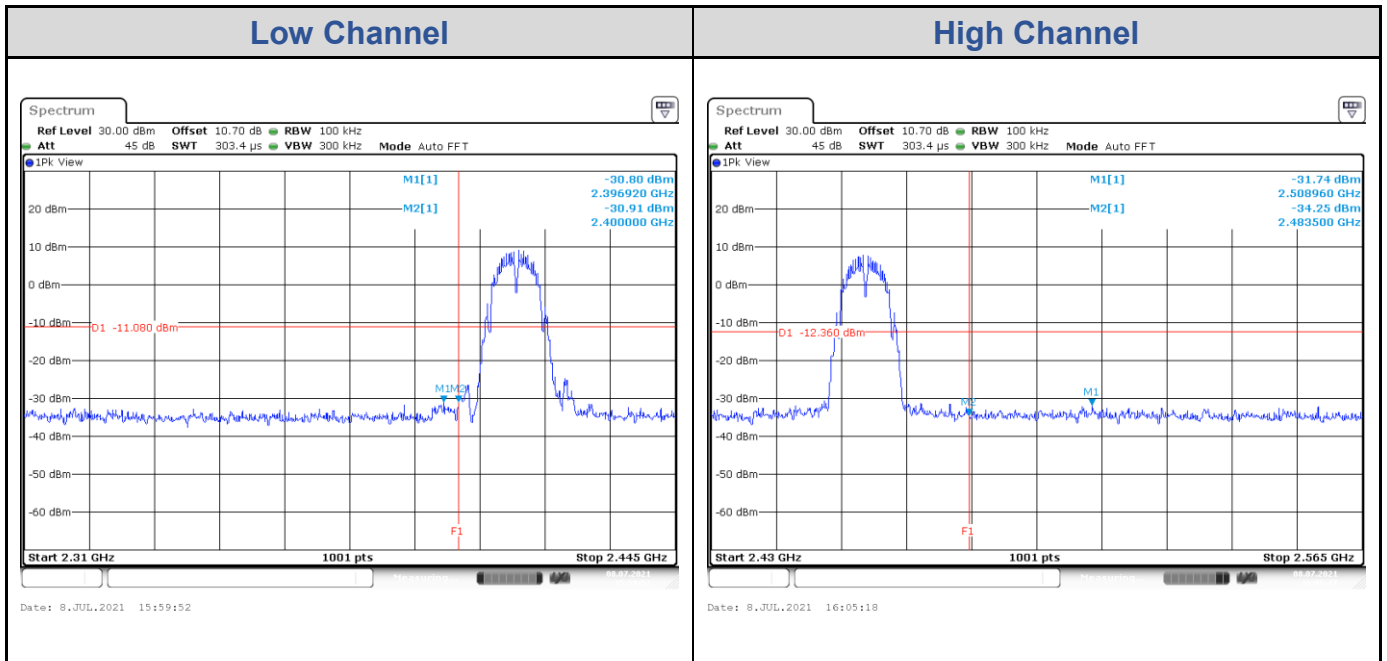


802.11n HT20

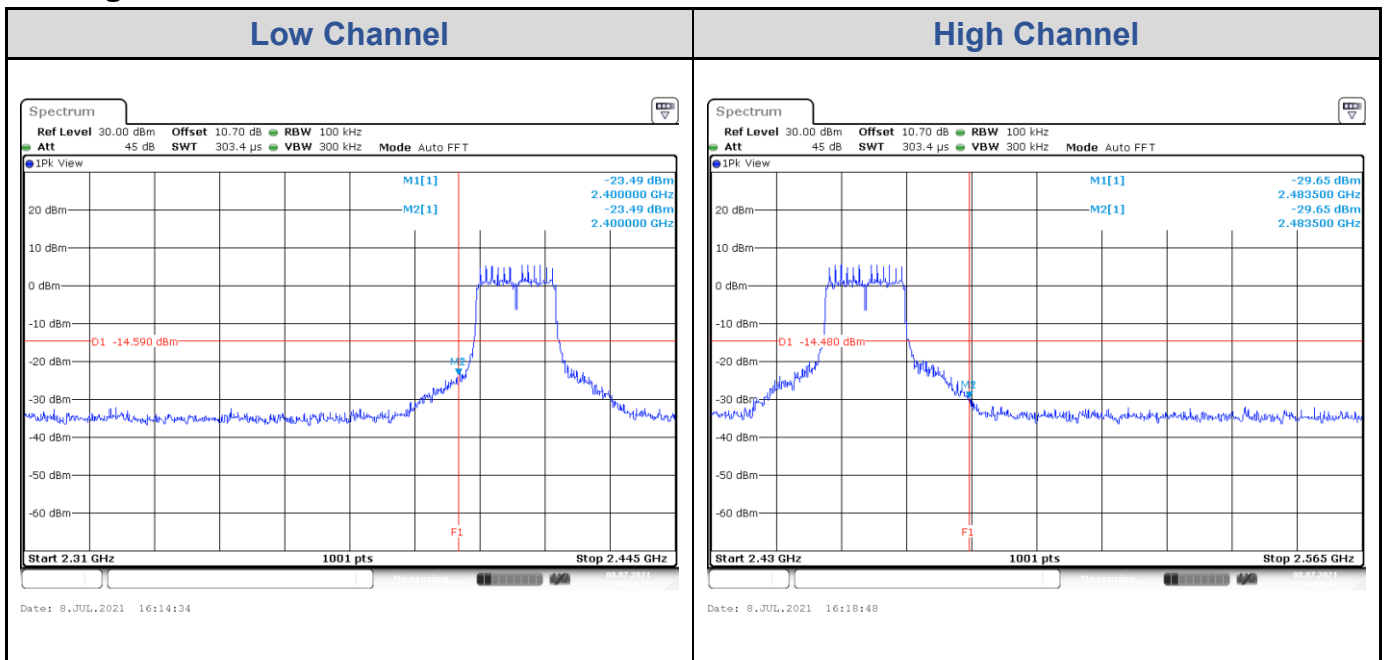


### Test Result of Conducted Bandedge, Tx Mode

#### 802.11b

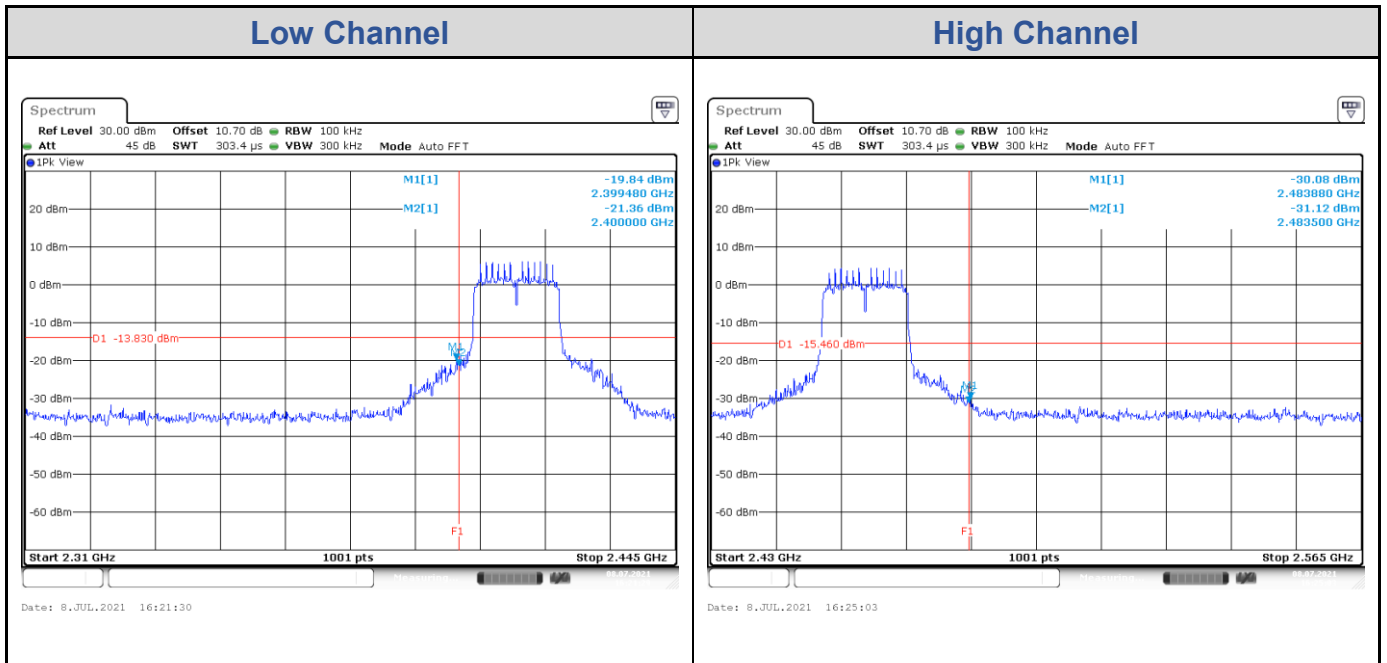


#### 802.11g





802.11n HT20



# Appendix B: Test Results of Radiated Emissions & Mains Conducted Emission Test

## Band Edges, 2.31GHz ~ 2.9GHz

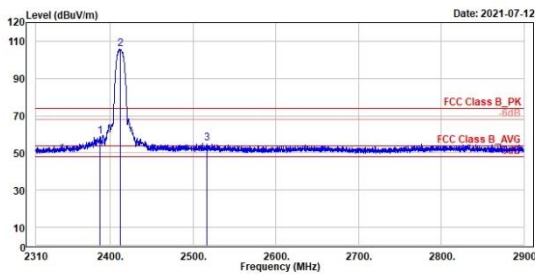
### 802.11b

#### Low Channel (Horizontal) Peak

#### Low Channel (Vertical) Peak



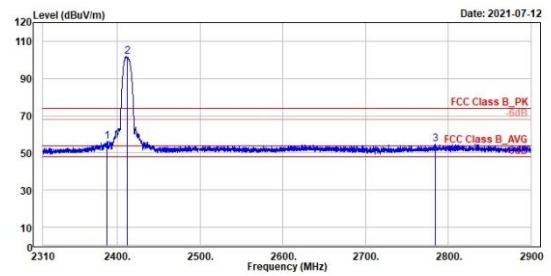
TUV Rheinland Taiwan Ltd.  
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2387.05	59.08	21.78	37.30	74.00	-14.92	105	246 Peak	Horizontal	
2 *	2412.00	105.67	66.32	37.35	74.00	31.67	105	246 Peak	Horizontal	
3	2516.74	55.03	17.18	37.85	74.00	-18.97	105	246 Peak	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 438-18, Sec 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

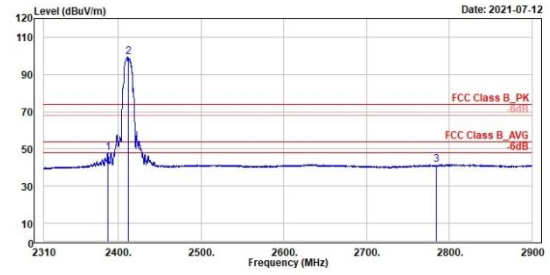
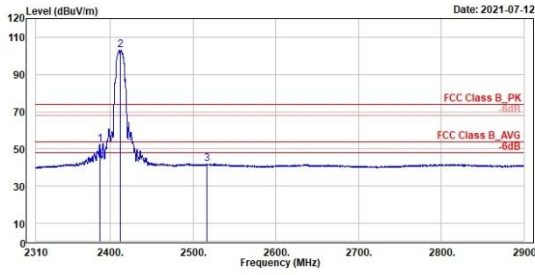


Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2387.29	56.33	19.03	37.30	74.00	-17.67	133	24 Peak	Vertical	
2 *	2412.00	101.05	64.50	37.35	74.00	27.85	133	24 Peak	Vertical	
3	2784.12	54.62	16.49	38.13	74.00	-19.38	133	24 Peak	Vertical	

802.11b

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



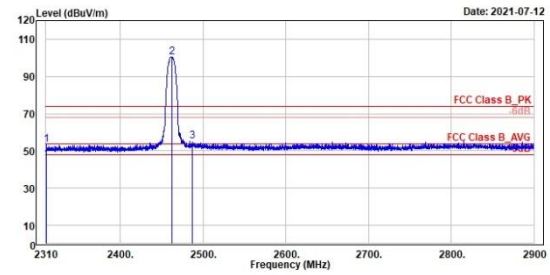
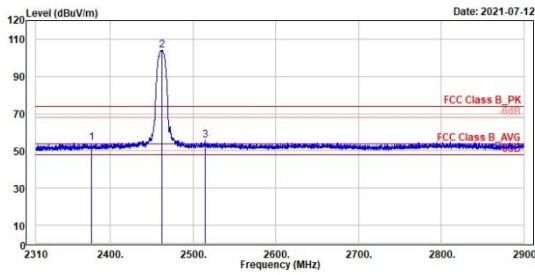
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2387.05	52.39	15.09	37.30	54.00	-1.61	185	246	Average	Horizontal	
2 *	2412.00	103.10	65.75	37.35	54.00	49.10	185	246	Average	Horizontal	
3	2516.74	41.94	4.09	37.85	54.00	-12.06	185	246	Average	Horizontal	

Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2387.29	48.08	10.78	37.30	54.00	-5.92	133	24	Average	Vertical	
2 *	2412.00	99.24	61.89	37.35	54.00	45.24	133	24	Average	Vertical	
3	2784.12	41.62	3.49	38.13	54.00	-12.38	133	24	Average	Vertical	

802.11b

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



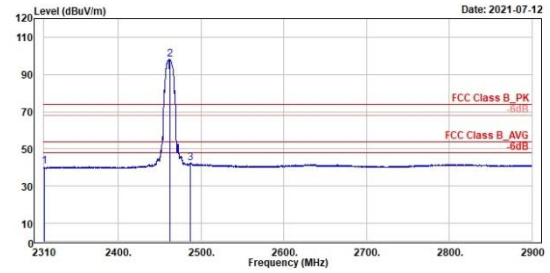
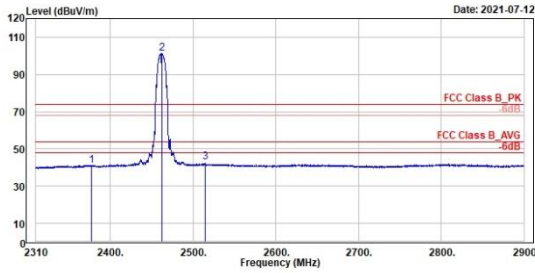
Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2376.91	54.22	16.93	37.29	74.00	-19.78	100	245	Peak	Horizontal	
2 *	2462.00	103.99	66.43	37.56	74.00	29.99	100	245	Peak	Horizontal	
3	2514.85	55.46	17.61	37.85	74.00	-18.54	100	245	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2318.83	53.60	16.63	36.97	74.00	-20.40	300	179	Peak	Vertical	
2 *	2462.00	100.59	63.03	37.56	74.00	26.59	300	179	Peak	Vertical	
3	2487.12	55.37	17.63	37.74	74.00	-18.63	300	179	Peak	Vertical	

802.11b

High Channel (Horizontal) Average

High Channel (Vertical) Average



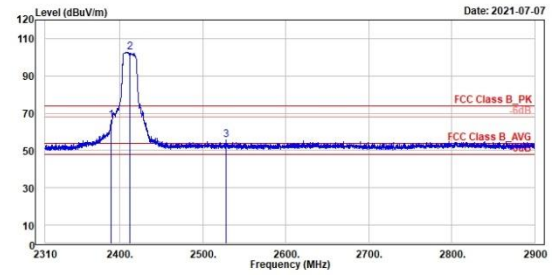
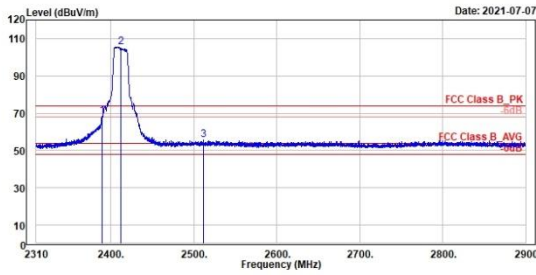
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2376.91	41.15	3.86	37.29	54.00	-12.85	180	245 Average	Horizontal	
2 *	2462.00	101.41	63.85	37.56	54.00	47.41	180	245 Average	Horizontal	
3	2514.85	42.91	5.06	37.85	54.00	-11.09	180	245 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2318.83	40.43	3.46	36.97	54.00	-13.57	300	179 Average	Vertical	
2 *	2462.00	98.01	60.45	37.56	54.00	44.01	300	179 Average	Vertical	
3	2487.12	42.42	4.68	37.74	54.00	-11.58	300	179 Average	Vertical	

802.11g

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dBuV/m	dB	cm	deg			
1	2389.89	68.50	31.20	37.30	74.00	-5.50	104 Peak	Horizontal	
2	2412.00	105.51	66.16	37.35	74.00	31.51	104 Peak	Horizontal	
3	2511.66	55.49	17.65	37.84	74.00	-18.51	104 Peak	Horizontal	

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dBuV/m	dB	cm	deg			
1	2389.18	65.96	28.66	37.30	74.00	-8.04	45 Peak	Vertical	
2	2412.00	102.73	65.38	37.35	74.00	28.73	45 Peak	Vertical	
3	2528.18	55.47	17.61	37.86	74.00	-18.53	45 Peak	Vertical	

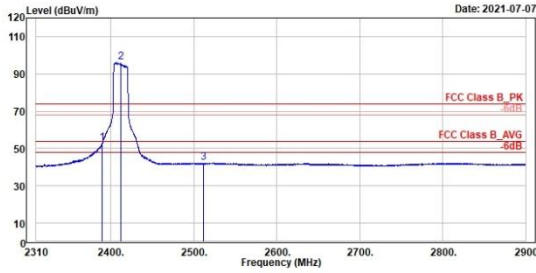
802.11g

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



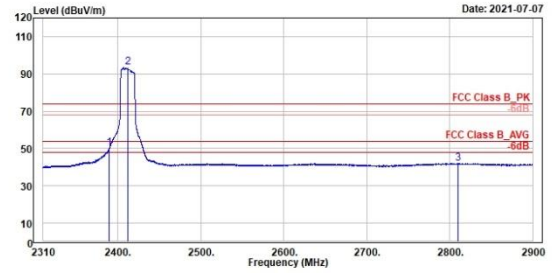
TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.89	53.14	15.84	37.30	54.00	-0.86	128	104 Average	Horizontal	
2	2412.00	96.33	50.98	37.35	54.00	42.33	102	104 Average	Horizontal	
3	2511.66	42.21	4.37	37.84	54.00	-11.79	102	104 Average	Horizontal	



TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.89	50.16	12.86	37.30	54.00	-3.84	100	45 Average	Vertical	
2	2412.00	93.38	56.03	37.35	54.00	39.38	100	45 Average	Vertical	
3	2810.56	42.13	3.94	38.19	54.00	-11.87	100	45 Average	Vertical	

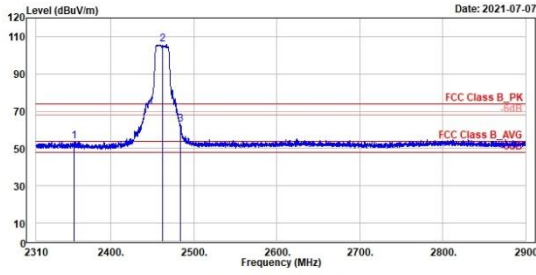
802.11g

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



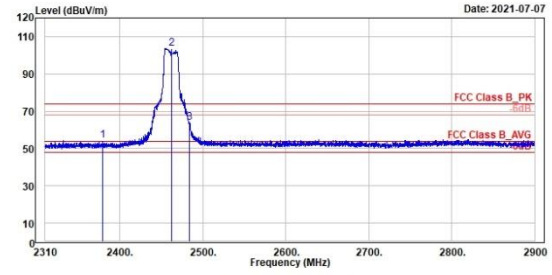
TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2355.67	54.06	16.00	37.26	74.00	-19.94	323	102	Peak	Horizontal		
2 *	2462.00	105.70	66.14	37.56	74.00	31.70	323	102	Peak	Horizontal		
3	2483.58	62.83	25.12	37.71	74.00	-11.17	323	102	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Peak	Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2379.27	54.07	16.78	37.29	74.00	-19.93	100	0	Peak	Vertical		
2 *	2462.00	103.69	66.13	37.56	74.00	29.69	100	0	Peak	Vertical		
3	2483.50	63.99	26.28	37.71	74.00	-10.01	100	0	Peak	Vertical		



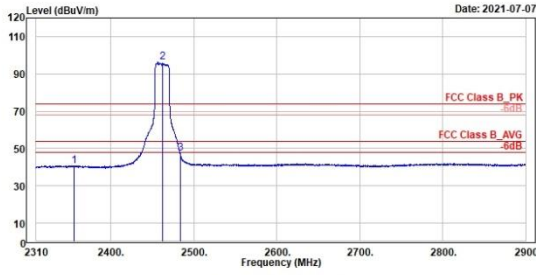
802.11g

High Channel (Horizontal) Average

High Channel (Vertical) Average



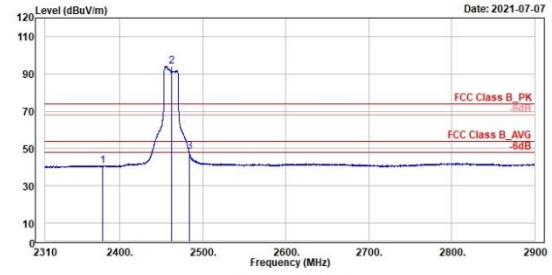
TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2355.67	40.75	3.49	37.26	54.00	-13.25	323	102	Average	Horizontal	
2 *	2462.00	96.23	56.67	37.56	54.00	42.23	323	102	Average	Horizontal	
3	2483.58	47.48	9.77	37.71	54.00	-6.52	323	102	Average	Horizontal	



TÜV Rheinland Taiwan Ltd.  
No. 438-18, Sec. 2, Feniliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322

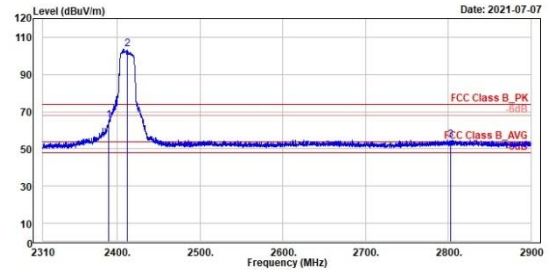
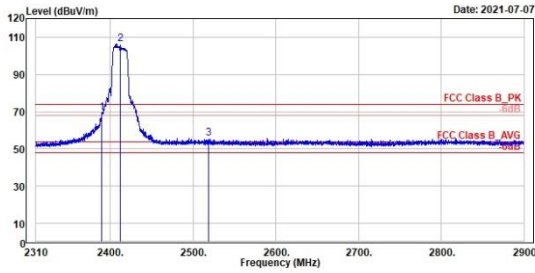


Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2379.27	40.81	3.52	37.29	54.00	-13.19	100	0	Average	Vertical	
2 *	2462.00	94.07	56.51	37.56	54.00	40.07	100	0	Average	Vertical	
3 !	2483.50	48.31	10.60	37.71	54.00	-5.69	100	0	Average	Vertical	

802.11n HT20

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



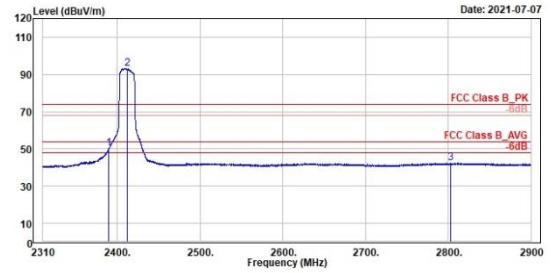
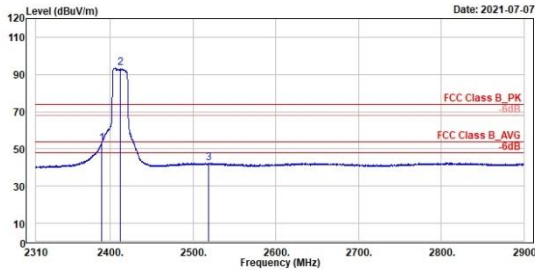
Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2398.00	69.52	32.22	37.30	74.00	-4.48	340	265	Peak	Horizontal	
2 *	2412.00	106.36	69.81	37.35	74.00	32.36	182	185	Peak	Horizontal	
3	2518.74	55.54	17.69	37.85	74.00	-18.46	182	185	Peak	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2398.00	65.47	28.17	37.30	74.00	-8.53	180	43	Peak	Vertical	
2 *	2412.00	103.56	66.21	37.35	74.00	29.56	180	43	Peak	Vertical	
3	2883.36	54.82	16.64	38.18	74.00	-19.18	180	43	Peak	Vertical	

802.11n HT20

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



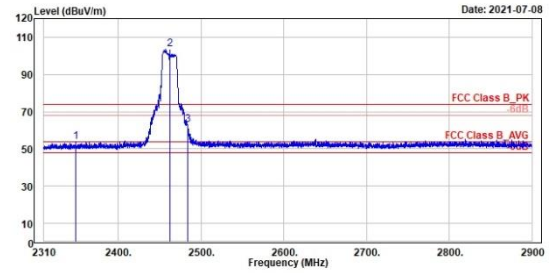
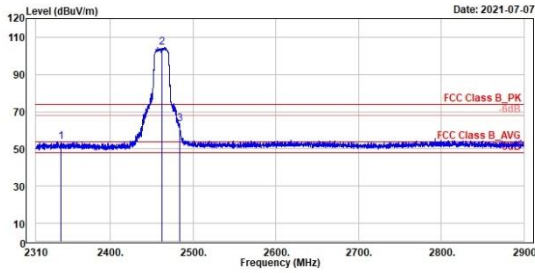
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2398.00	53.13	15.83	37.30	54.00	-0.87	340	265	Average	Horizontal	
2 *	2412.00	93.33	55.98	37.35	54.00	39.33	182	185	Average	Horizontal	
3	2518.74	42.40	4.55	37.85	54.00	-11.60	182	185	Average	Horizontal	

Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2398.00	50.12	12.82	37.30	54.00	-3.88	180	43	Average	Vertical	
2 *	2412.00	93.23	55.88	37.35	54.00	39.23	180	43	Average	Vertical	
3	2883.36	42.64	4.46	38.18	54.00	-11.36	180	43	Average	Vertical	

802.11n HT20

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2339.97	53.94	16.76	37.18	74.00	-20.06	361	106	Peak	Horizontal	
2 *	2462.00	104.55	66.99	37.56	74.00	30.55	361	106	Peak	Horizontal	
3	2483.50	63.35	25.64	37.71	74.00	-10.65	361	106	Peak	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2348.11	53.70	16.46	37.24	74.00	-20.30	100	0	Peak	Vertical	
2 *	2462.00	103.57	66.81	37.56	74.00	29.57	100	0	Peak	Vertical	
3	2483.81	62.83	25.12	37.71	74.00	-11.17	100	0	Peak	Vertical	

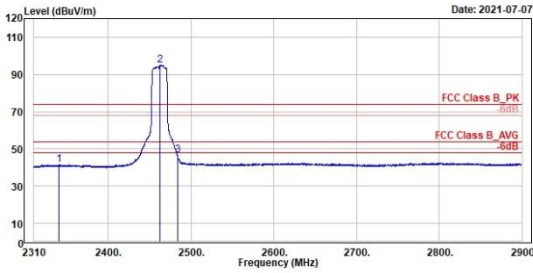
802.11n HT20

High Channel (Horizontal) Average

High Channel (Vertical) Average



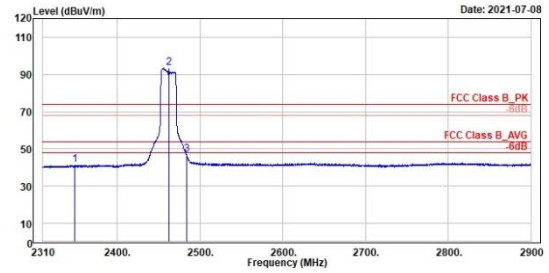
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2339.97	41.41	4.23	37.18	54.00	-12.59	361	106	Average	Horizontal	
2 *	2462.00	95.10	57.54	37.56	54.00	41.10	361	106	Average	Horizontal	
3	2483.50	46.67	8.96	37.71	54.00	-7.33	361	106	Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2348.11	41.33	4.09	37.24	54.00	-12.67	100	0	Average	Vertical	
2 *	2462.00	93.36	55.80	37.56	54.00	39.36	100	0	Average	Vertical	
3	2483.81	46.90	9.19	37.71	54.00	-7.10	100	0	Average	Vertical	

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

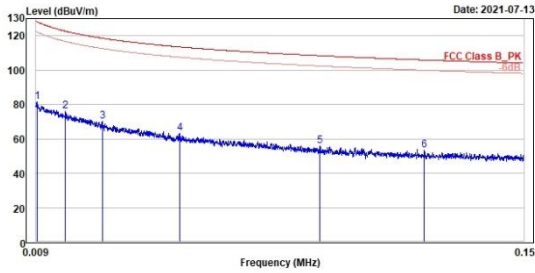
802.11b

High Channel (open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



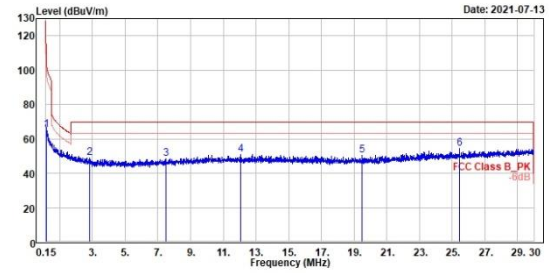
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	81.33	3.83	77.50	128.23	-46.90	100	319	QP	Open	
2	0.02	76.19	2.50	73.69	122.71	-46.52	100	28	QP	Open	
3	0.03	70.37	0.92	69.45	118.60	-48.23	100	334	QP	Open	
4	0.05	63.37	-0.38	63.75	113.53	-50.16	100	43	QP	Open	
5	0.09	55.75	-2.63	58.38	108.40	-52.65	100	344	QP	Open	
6	0.12	53.24	-3.07	56.31	105.92	-52.60	100	60	QP	Open	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.19	65.49	12.22	53.27	101.94	-36.45	100	162	QP	Open	
2	2.81	48.87	11.56	37.31	69.50	-20.63	100	226	QP	Open	
3	7.48	48.58	11.30	37.28	69.50	-20.92	100	24	QP	Open	
4	12.09	50.73	12.58	38.15	69.50	-18.77	100	147	QP	Open	
5	19.50	50.51	12.88	37.63	69.50	-18.99	100	172	QP	Open	
6	25.44	54.49	14.31	40.18	69.50	-15.01	100	217	QP	Open	

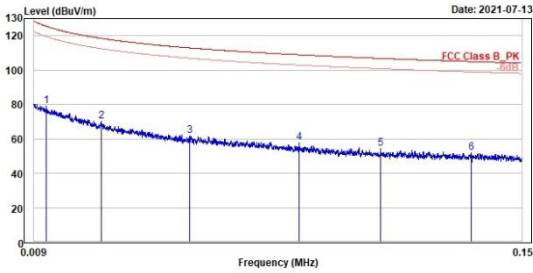
802.11b

High Channel (Close) 9kHz~150kHz

High Channel (Close) 150kHz~30MHz



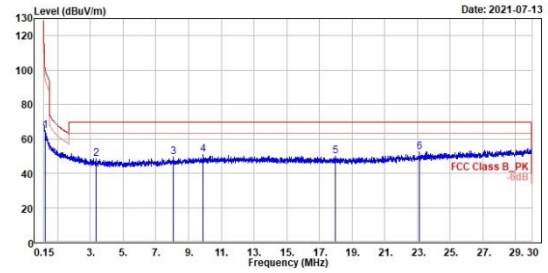
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.01	79.04	3.34	75.70	125.63	-46.59	100	13	QP	Close
2	0.03	78.27	0.93	69.34	118.51	-48.24	100	308	QP	Close
3	0.05	61.58	-1.69	63.27	112.93	-51.35	100	236	QP	Close
4	0.09	57.73	-1.37	59.10	108.94	-51.21	100	328	QP	Close
5	0.11	54.45	-2.38	56.83	106.83	-52.38	100	161	QP	Close
6	0.14	52.02	-3.68	55.70	104.97	-52.95	100	274	QP	Close



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	0.23	64.70	13.21	51.49	100.23	-35.53	100	119	QP	Close
2	3.35	48.51	11.68	36.83	69.50	-20.99	100	189	QP	Close
3	8.07	49.31	11.80	37.51	69.50	-20.19	100	233	QP	Close
4	9.88	50.72	12.47	38.25	69.50	-18.78	100	154	QP	Close
5	17.99	49.76	12.02	37.74	69.50	-19.74	100	176	QP	Close
6	23.11	52.54	13.46	39.08	69.50	-16.96	100	294	QP	Close

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

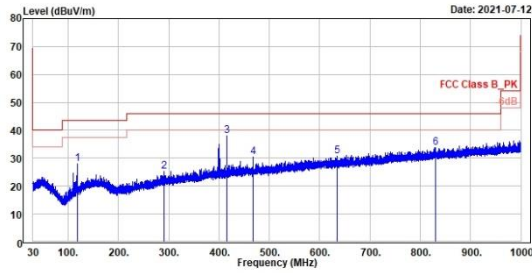
802.11b

High Channel (Horizontal)

High Channel (Vertical)



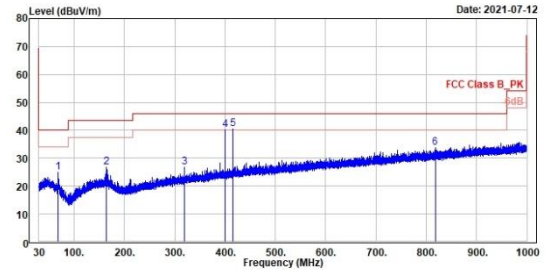
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
117.98	291.22	416.00	467.98	635.45	836.59
MHz	Level	Read	Level	Factor	Limit
dBuV/m	dBuV	dB/m	dBuV/m	dB	Over
					Line
					Limit
					dB
					Apos
					TPos
					deg
					cm
					Remark
					Pol/Phase
					Note
323	QP	Horizontal			
100	254	QP	Horizontal		
100	148	QP	Horizontal		
200	120	QP	Horizontal		
200	110	QP	Horizontal		
300	222	QP	Horizontal		



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5	6
68.69	164.37	320.03	400.03	416.00	817.87
MHz	Level	Read	Level	Factor	Limit
dBuV/m	dBuV	dB/m	dBuV/m	dB	Over
					Line
					Limit
					dB
					Apos
					TPos
					deg
					cm
					Remark
					Pol/Phase
					Note
0	QP	Vertical			
100	154	QP	Vertical		
300	336	QP	Vertical		
100	73	QP	Vertical		
100	191	QP	Vertical		
300	360	QP	Vertical		



Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

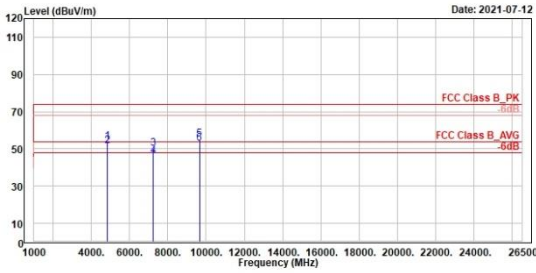
802.11b

Low Channel (Horizontal)

Low Channel (Vertical)



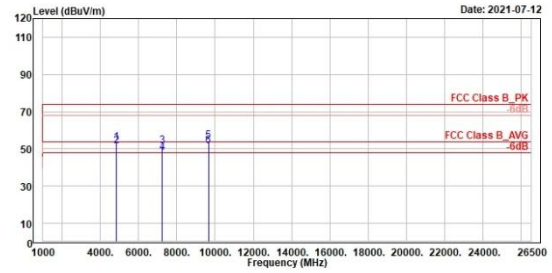
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	53.67	63.03	-9.36	74.00	-20.33	100	247 Peak	Horizontal	
2	4824.00	51.69	61.05	-9.36	54.00	-2.31	100	247 Average	Horizontal	
3	7236.00	50.22	56.84	-6.62	74.00	-23.78	400	64 Peak	Horizontal	
4	7236.00	45.97	52.59	-6.62	54.00	-8.03	400	64 Average	Horizontal	
5	9648.00	55.21	59.14	-3.93	74.00	-18.79	200	83 Peak	Horizontal	
6	9648.00	52.94	56.87	-3.93	54.00	-1.06	200	83 Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	53.44	62.00	-9.36	74.00	-20.56	110	50 Peak	Vertical	
2	4824.00	51.60	60.96	-9.36	54.00	-2.40	110	50 Average	Vertical	
3	7236.00	51.66	58.28	-6.62	74.00	-22.34	400	336 Peak	Vertical	
4	7236.00	47.93	54.55	-6.62	54.00	-6.07	400	336 Average	Vertical	
5	9648.00	54.15	58.08	-3.93	74.00	-19.85	315	29 Peak	Vertical	
6	9648.00	51.42	55.35	-3.93	54.00	-2.58	315	29 Average	Vertical	



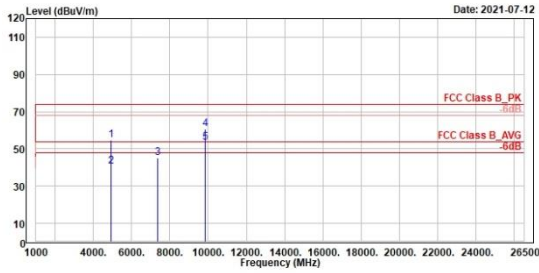
802.11b

High Channel (Horizontal)

High Channel (Vertical)



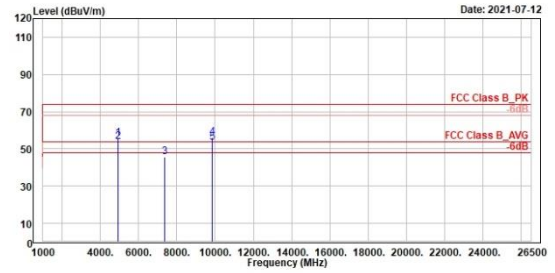
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4924.00	54.78	64.10	-9.32	74.00	-19.22	180	119 Peak	Horizontal	
2	4924.00	40.67	49.99	-9.32	54.00	-13.33	180	119 Average	Horizontal	
3	7386.00	45.10	51.64	-6.54	74.00	-28.90	400	356 Peak	Horizontal	
4	9848.00	60.71	64.20	-3.49	74.00	-13.29	199	307 Peak	Horizontal	
5	9848.00	53.51	57.00	-3.49	54.00	-0.49	199	307 Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4924.00	55.52	64.04	-9.32	74.00	-18.48	400	15 Peak	Vertical	
2	4924.00	53.00	63.12	-9.32	54.00	-0.20	400	15 Average	Vertical	
3	7386.00	45.54	52.08	-6.54	74.00	-28.46	400	333 Peak	Vertical	
4	9848.00	56.14	59.63	-3.49	74.00	-17.86	400	302 Peak	Vertical	
5	9848.00	53.58	57.07	-3.49	54.00	-0.42	400	302 Average	Vertical	

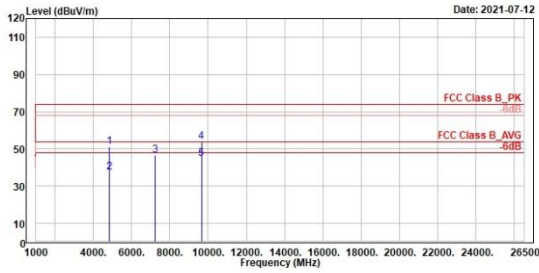
802.11g

Low Channel (Horizontal)

Low Channel (Vertical)



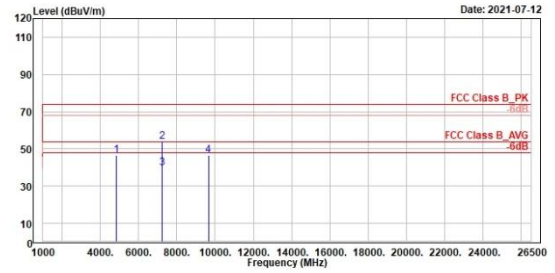
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	51.14	68.50	-9.36	74.00	-22.86	269	15 Peak	Horizontal	
2	4824.00	37.62	46.98	-9.36	54.00	-16.38	268	15 Average	Horizontal	
3	7236.00	46.53	53.15	-6.62	74.00	-27.47	200	360 Peak	Horizontal	
4	9648.00	53.94	57.87	-3.93	74.00	-20.06	100	114 Peak	Horizontal	
5	9648.00	44.52	48.45	-3.93	54.00	-9.48	100	114 Average	Horizontal	



TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	46.59	55.95	-9.36	74.00	-27.41	305	360 Peak	Vertical	
2	7236.00	53.93	68.55	-6.62	74.00	-20.07	398	214 Peak	Vertical	
3	7236.00	39.49	46.11	-6.62	54.00	-14.51	398	214 Average	Vertical	
4	9648.00	46.31	50.24	-3.93	74.00	-27.69	200	255 Peak	Vertical	

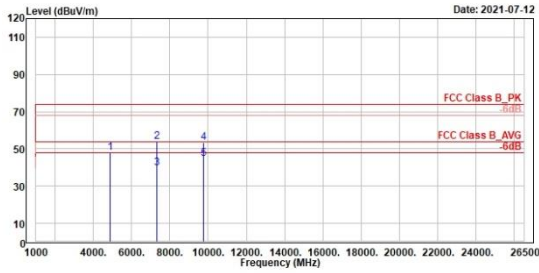
802.11g

Middle Channel (Horizontal)

Middle Channel (Vertical)



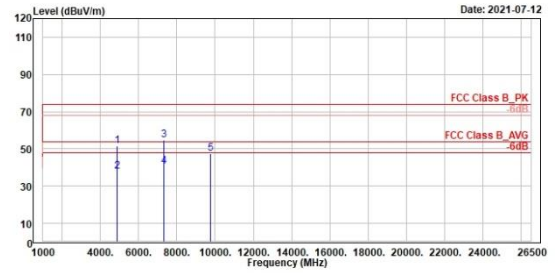
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5
4874.00	7311.00	7311.00	9748.00	9748.00
47.78	54.03	39.88	53.44	44.67
57.12	66.69	46.54	57.01	48.24
-9.34	-6.66	-6.66	-3.57	-3.57
74.00	74.00	74.00	74.00	54.00
-26.22	-19.97	-14.12	-20.56	-9.33
200	182	102	200	200
219	259	259	306	306
Peak	Peak	Average	Peak	Average
Horizontal	Horizontal	Horizontal	Horizontal	Horizontal



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	2	3	4	5
4874.00	4874.00	7311.00	7311.00	9748.00
51.37	37.67	54.94	40.61	47.32
60.71	47.01	61.60	47.27	50.89
-9.34	-9.34	-6.66	-6.66	-3.57
74.00	54.00	74.00	54.00	74.00
-22.63	-16.33	-19.06	-13.39	-26.68
185	185	100	100	300
261	261	222	222	170
Peak	Average	Peak	Average	Peak
Vertical	Vertical	Vertical	Vertical	Vertical

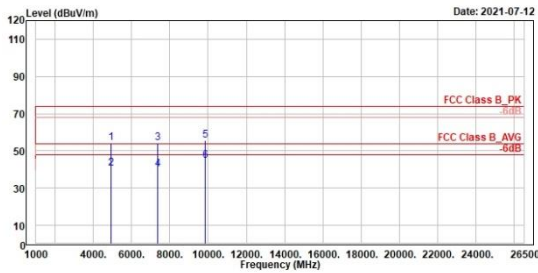
802.11g

High Channel (Horizontal)

High Channel (Vertical)



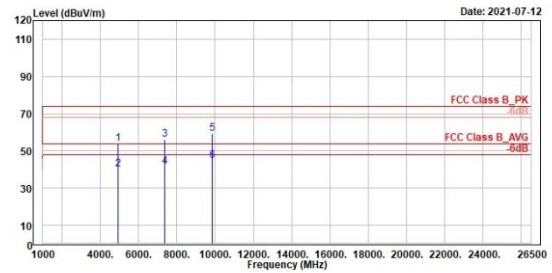
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note			
Level	Line	Limit	cm	deg						
Factor	dB/m	dB								
dBuV	dBuV/m	dB								
1	4924.00	54.26	63.58	-9.32	74.00	-19.74	100	120 Peak	Horizontal	
2	4924.00	40.62	49.94	-9.32	54.00	-13.38	100	119 Average	Horizontal	
3	7386.00	54.18	66.72	-6.54	74.00	-19.82	100	117 Peak	Horizontal	
4	7386.00	40.36	46.90	-6.54	54.00	-13.64	105	259 Average	Horizontal	
5	9848.00	55.66	59.15	-3.49	74.00	-18.34	200	110 Peak	Horizontal	
6	9848.00	44.93	48.42	-3.49	54.00	-9.07	200	110 Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note			
Level	Line	Limit	cm	deg						
Factor	dB/m	dB								
dBuV	dBuV/m	dB								
1	4924.00	53.94	63.26	-9.32	74.00	-20.06	256	15 Peak	Vertical	
2	4924.00	39.95	49.27	-9.32	54.00	-14.05	256	15 Average	Vertical	
3	7386.00	56.34	62.88	-6.54	74.00	-17.66	100	226 Peak	Vertical	
4	7386.00	41.57	48.11	-6.54	54.00	-12.43	100	226 Average	Vertical	
5	9848.00	59.24	62.73	-3.49	74.00	-14.76	100	226 Peak	Vertical	
6	9848.00	44.67	48.16	-3.49	54.00	-9.33	100	226 Average	Vertical	

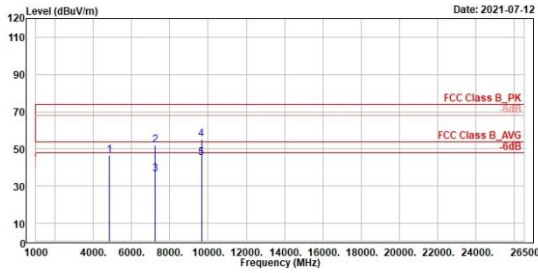
802.11n HT20

Low Channel (Horizontal)

Low Channel (Vertical)



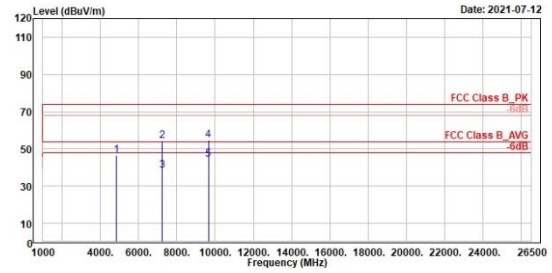
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB/m	dB	cm	deg			
46.71	74.00	-27.29	100	25	Peak	Horizontal	
52.04	74.00	-21.96	102	262	Peak	Horizontal	
36.35	54.00	-17.65	102	262	Average	Horizontal	
55.19	74.00	-18.81	100	114	Peak	Horizontal	
44.96	54.00	-9.04	100	114	Average	Horizontal	



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dB/m	dB	cm	deg			
46.53	74.00	-27.47	383	368	Peak	Vertical	
54.15	74.00	-19.85	400	212	Peak	Vertical	
38.33	54.00	-15.67	400	210	Average	Vertical	
54.81	74.00	-19.19	310	261	Peak	Vertical	
44.27	54.00	-9.73	310	261	Average	Vertical	

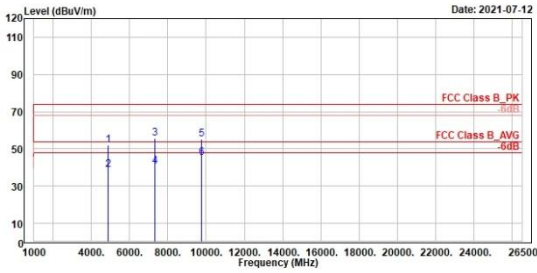
802.11n HT20

Middle Channel (Horizontal)

Middle Channel (Vertical)



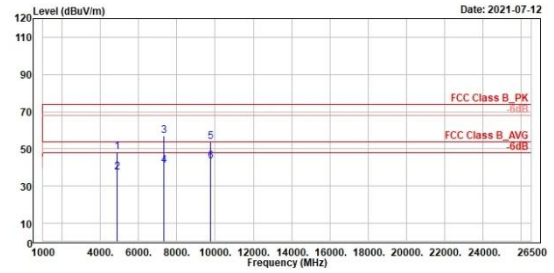
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit	cm	deg			
Factor	dB/m	dB					
dB/m	dB/m	dB					
52.23	61.57	-9.34	74.00	-21.77	100	31 Peak	Horizontal
38.59	47.93	-9.34	54.00	-15.41	100	31 Average	Horizontal
55.89	62.55	-6.66	74.00	-18.11	110	259 Peak	Horizontal
40.38	47.04	-6.66	54.00	-13.62	110	259 Average	Horizontal
55.07	58.64	-3.57	74.00	-18.93	101	115 Peak	Horizontal
45.38	48.95	-3.57	54.00	-8.62	101	115 Average	Horizontal



TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



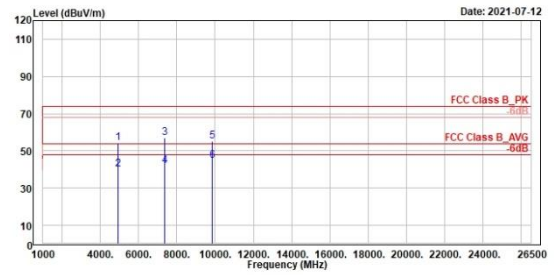
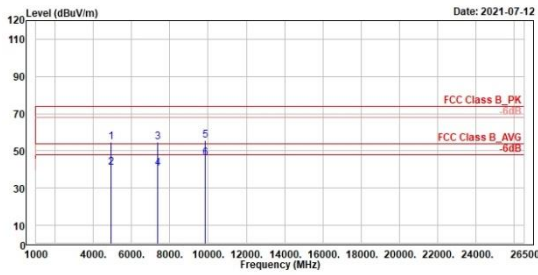
Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit	cm	deg			
Factor	dB/m	dB					
dB/m	dB/m	dB					
48.50	57.84	-9.34	74.00	-25.50	263	220 Peak	Vertical
37.47	46.81	-9.34	54.00	-16.53	263	220 Average	Vertical
57.22	63.88	-6.66	74.00	-16.78	102	225 Peak	Vertical
41.27	47.93	-6.66	54.00	-12.73	102	225 Average	Vertical
53.62	57.19	-3.57	74.00	-20.38	263	217 Peak	Vertical
43.13	46.70	-3.57	54.00	-10.87	263	217 Average	Vertical



802.11n HT20

High Channel (Horizontal)

High Channel (Vertical)



1	2	3	4	5
4924.00	40.88	50.20	40.64	55.72
7386.00	54.72	61.26	47.18	59.21
7386.00	40.64	47.18	55.72	59.21
9848.00	55.72	59.21	49.55	46.06
9848.00	46.06	49.55	55.72	59.21

1	2	3	4	5	6
4924.00	40.35	49.67	56.88	41.88	55.03
7386.00	56.88	63.42	48.42	58.52	44.87
7386.00	41.88	48.42	56.88	58.52	44.87
9848.00	55.03	58.52	44.87	48.36	55.03
9848.00	44.87	48.36	55.03	58.52	44.87

Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
54.79	64.11	-9.32	74.00	-19.21	100	119 Peak	Horizontal	
40.88	50.20	-9.32	54.00	-13.12	100	119 Average	Horizontal	
54.72	61.26	-6.54	74.00	-19.28	100	260 Peak	Horizontal	
40.64	47.18	-6.54	54.00	-13.36	100	260 Average	Horizontal	
55.72	59.21	-3.49	74.00	-18.28	100	307 Peak	Horizontal	
46.06	49.55	-3.49	54.00	-7.94	100	307 Average	Horizontal	

Read Level	Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
54.26	63.58	-9.32	74.00	-19.74	300	18 Peak	Vertical	
40.35	49.67	-9.32	54.00	-13.65	300	18 Average	Vertical	
56.88	63.42	-6.54	74.00	-17.12	100	226 Peak	Vertical	
41.88	48.42	-6.54	54.00	-12.12	100	226 Average	Vertical	
55.03	58.52	-3.49	74.00	-18.97	211	251 Peak	Vertical	
44.87	48.36	-3.49	54.00	-9.13	211	251 Average	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

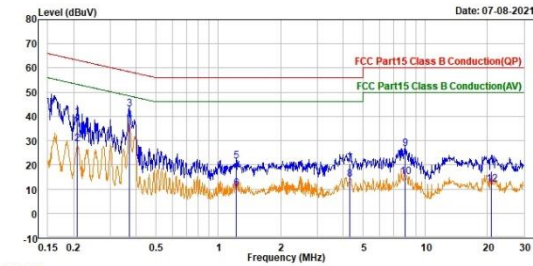
Worst Band

(Line)

(Neutral)



TUV Rheinland Taiwan Ltd(New Taipei City Branch).  
No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244  
Tel:+886-2172-1000 Fax:+886-2172-1322

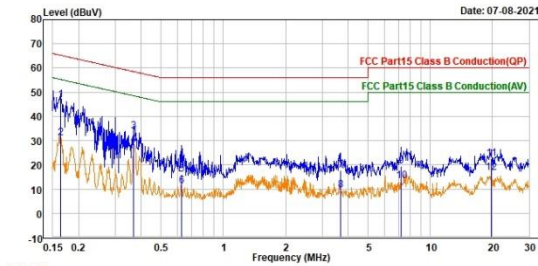


Trace: 1

	Read Freq	Level	Factor	Level	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.207	29.58	10.11	39.69	63.31	-23.62	QP	line1	
2	0.207	18.57	10.11	28.68	53.31	-24.63	Average	line1	
3	0.372	32.91	10.12	43.03	58.47	-15.44	QP	line1	
4	0.372	28.27	10.12	38.39	48.47	-10.08	Average	line1	
5	1.223	11.47	10.15	21.62	56.00	-34.38	QP	line1	
6	1.223	0.00	10.15	10.15	46.00	-35.85	Average	line1	
7	4.316	10.26	10.23	20.49	56.00	-35.51	QP	line1	
8	4.316	3.77	10.23	14.00	46.00	-32.00	Average	line1	
9	7.968	16.36	10.31	26.67	60.00	-33.33	QP	line1	
10	7.968	4.84	10.31	15.15	50.00	-34.85	Average	line1	
11	20.850	6.82	10.56	17.38	60.00	-42.62	QP	line1	
12	20.850	1.30	10.56	11.86	50.00	-38.14	Average	line1	



TUV Rheinland Taiwan Ltd(New Taipei City Branch).  
No. 458-19, Sec. 2, Fenliao Rd., Linkou Dist., New Taipei City 244  
Tel:+886-2172-1000 Fax:+886-2172-1322



Trace: 1

	Read Freq	Level	Factor	Level	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dB	dBuV	dBuV	dB			
1	0.163	36.78	10.11	46.89	65.30	-18.41	QP	neutral	
2	0.163	20.91	10.11	31.02	55.30	-24.28	Average	neutral	
3	0.370	23.68	10.11	33.79	58.51	-24.72	QP	neutral	
4	0.370	18.19	10.11	28.30	48.51	-20.21	Average	neutral	
5	0.627	5.89	10.12	16.01	56.00	-39.99	QP	neutral	
6	0.627	1.05	10.12	11.17	46.00	-34.83	Average	neutral	
7	3.680	7.47	10.20	17.67	56.00	-38.33	QP	neutral	
8	3.680	-0.54	10.20	9.66	46.00	-36.34	Average	neutral	
9	7.212	9.18	10.30	19.48	60.00	-40.52	QP	neutral	
10	7.212	2.81	10.30	13.11	50.00	-36.89	Average	neutral	
11	19.639	11.79	10.57	22.36	60.00	-37.64	QP	neutral	
12	19.639	6.19	10.57	16.76	50.00	-33.24	Average	neutral	