

802.11a

CH 48 (Horizontal) Peak

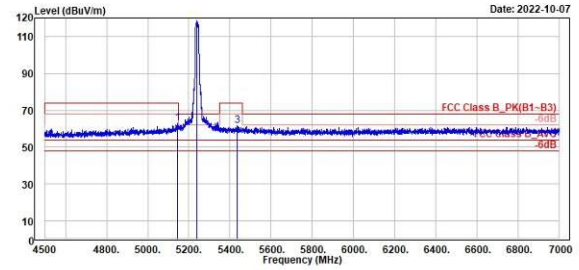
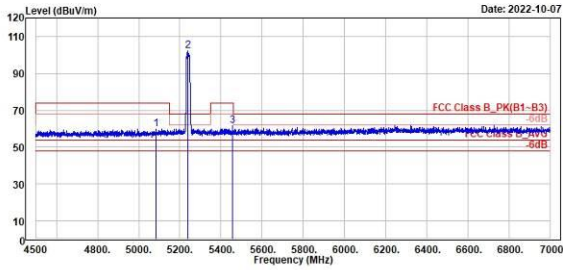
CH 48 (Vertical) Peak



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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
5883.58	59.99	68.67	-8.68	74.00	-14.01	100	21 Peak
5240.00	102.17	110.61	-8.44	68.28	33.97	100	21 Peak
5455.50	61.42	69.65	-8.23	74.00	-12.58	100	21 Peak

Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
5144.50	62.84	71.83	-8.99	74.00	-11.16	189	354 Peak
5240.00	118.74	127.52	-8.78	68.28	50.54	189	354 Peak
5434.50	61.47	69.80	-8.33	74.00	-12.53	189	354 Peak

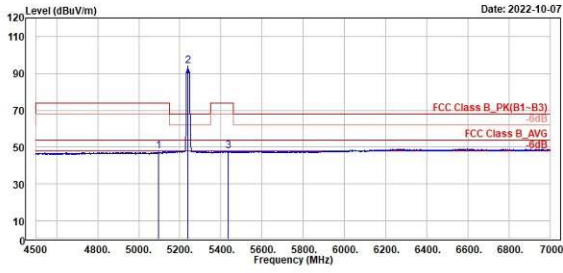
802.11a

CH 48 (Horizontal) Average

CH 48 (Vertical) Average



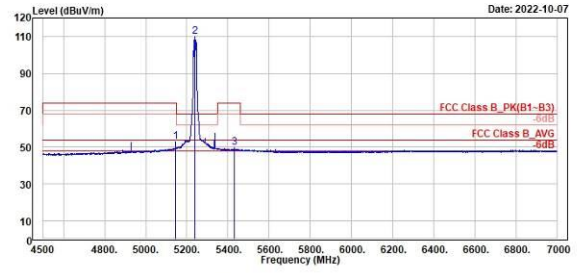
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1	2	3
5895.58	5240.00	5436.00
47.71	94.22	47.85
56.29	102.66	56.06
-8.58	-8.44	-8.21
54.00	54.00	54.00
-6.29	40.22	-6.15
100	100	100
21	21	21
Average	Average	Average
Horizontal	Horizontal	Horizontal



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1	2	3
5144.00	5240.00	5432.00
52.73	109.83	49.66
61.72	118.61	57.94
-8.99	-8.78	-8.34
54.00	54.00	54.00
-1.27	55.83	-4.40
189	189	189
354	354	354
Average	Average	Average
Vertical	Vertical	Vertical

802.11ac VHT20

CH 36 (Horizontal) Peak

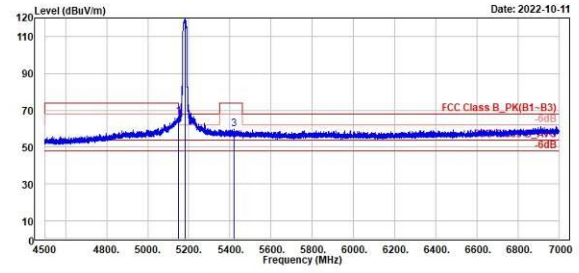
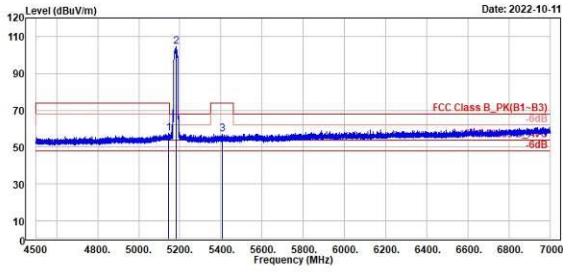
CH 36 (Vertical) Peak



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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5145.32	57.66	14.79	42.87	74.00	-16.34	100	16 Peak	Horizontal
2 *	5180.00	104.46	61.59	42.86	68.28	36.26	100	16 Peak	Horizontal
3	5486.47	56.96	13.81	43.15	74.00	-17.04	100	16 Peak	Horizontal

Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5148.38	66.46	24.09	42.37	74.00	-7.54	183	360 Peak	Vertical
2 *	5180.00	119.07	77.21	42.46	68.28	51.47	183	360 Peak	Vertical
3	5419.85	59.73	16.86	42.87	74.00	-14.27	183	360 Peak	Vertical

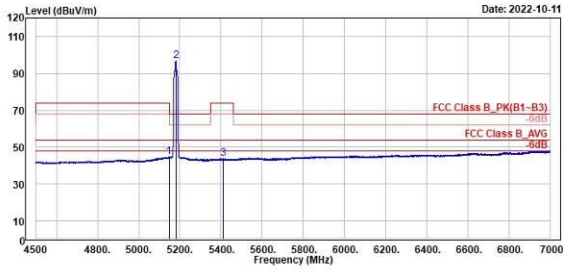
802.11ac VHT20

CH 36 (Horizontal) Average

CH 36 (Vertical) Average



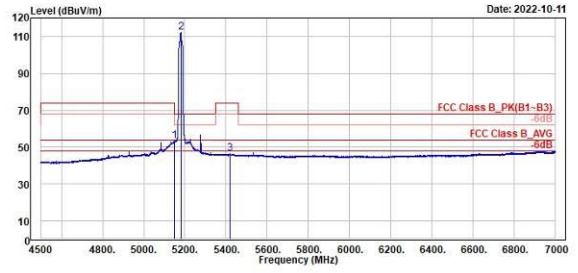
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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5147.06	44.60	1.73	42.87	54.00	-9.40	100	16	Average Horizontal
2 *	5180.00	96.03	53.67	42.86	54.00	42.63	100	16	Average Horizontal
3	5411.77	43.72	0.59	43.13	54.00	-10.28	100	16	Average Horizontal



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Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5147.65	53.30	10.93	42.37	54.00	-0.70	183	360	Average Vertical
2 *	5180.00	112.42	69.96	42.46	54.00	58.42	183	360	Average Vertical
3	5420.00	46.44	3.57	42.87	54.00	-7.56	183	360	Average Vertical

802.11ac VHT20

CH 48 (Horizontal) Peak

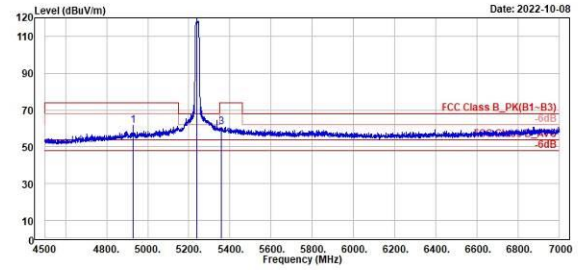
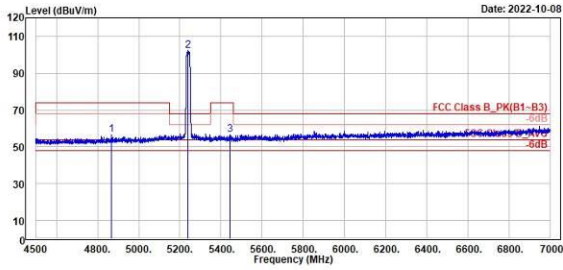
CH 48 (Vertical) Peak



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	4867.50	56.40	14.87	42.33	74.00	-17.60	131	22	Peak	Horizontal	
2 *	5240.00	102.18	59.30	42.88	68.20	33.98	131	22	Peak	Horizontal	
3	5444.50	56.40	13.37	43.03	74.00	-17.60	131	22	Peak	Horizontal	

Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	4920.00	61.67	19.62	42.05	74.00	-12.33	169	360	Peak	Vertical	
2 *	5240.00	119.91	77.37	42.54	68.20	51.71	169	360	Peak	Vertical	
3	5356.50	60.79	18.05	42.74	74.00	-13.21	169	360	Peak	Vertical	

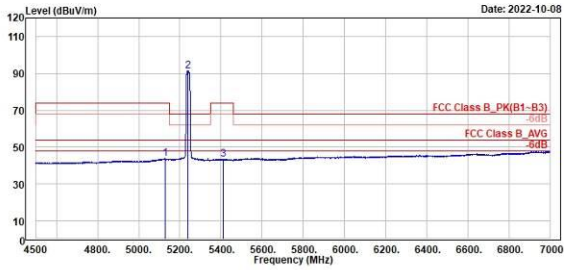
802.11ac VHT20

CH 48 (Horizontal) Average

CH 48 (Vertical) Average



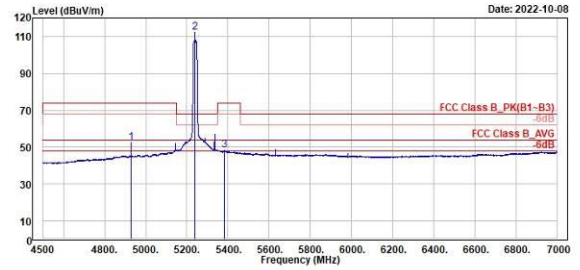
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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note				
Level	Line	Limit									
Factor											
dB/m	dBuV/m	dB	cm	deg							
1	5129.00	43.64	0.79	42.85	54.00	-10.36	131	22	Average	Horizontal	
2	5240.00	91.26	48.38	42.88	54.00	37.26	131	22	Average	Horizontal	*
3	5412.50	43.44	0.31	43.13	54.00	-10.56	131	22	Average	Horizontal	



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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note				
Level	Line	Limit									
Factor											
dB/m	dBuV/m	dB	cm	deg							
1	4920.00	52.61	10.56	42.05	54.00	-1.39	169	360	Average	Vertical	
2	5240.00	112.42	69.88	42.54	54.00	58.42	169	360	Average	Vertical	*
3	5384.00	48.49	5.73	42.76	54.00	-5.51	169	360	Average	Vertical	

Mask, 5.725GHz ~ 5.85GHz  
U-NII-3

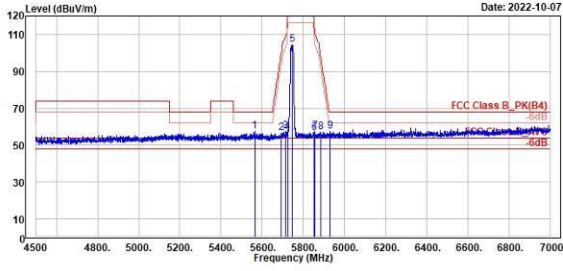
802.11a

CH 149 (Horizontal) Peak

CH 149 (Vertical) Peak



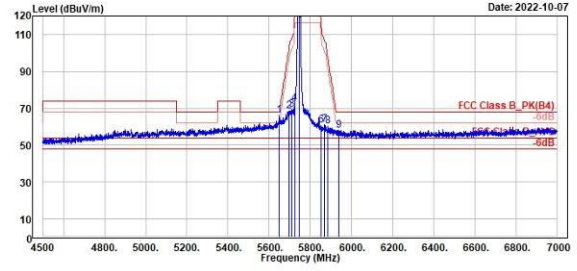
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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
1	5564.00	57.59	14.28	43.31	68.28	-18.61	165	354 Peak	Horizontal
2	5694.50	56.44	13.24	43.20	101.15	-44.71	165	354 Peak	Horizontal
3	5715.00	57.70	14.44	43.26	109.40	-51.70	165	354 Peak	Horizontal
4	5723.50	57.17	13.88	43.29	118.78	-61.61	165	354 Peak	Horizontal
5	5745.00	104.42	61.08	43.34	122.20	-17.78	165	354 Peak	Horizontal
6	5851.50	56.53	12.90	43.55	118.78	-62.25	165	354 Peak	Horizontal
7	5857.00	57.32	13.75	43.57	110.24	-52.92	165	354 Peak	Horizontal
8	5886.00	57.02	13.31	43.71	97.03	-40.01	165	354 Peak	Horizontal
9	5929.50	57.71	13.85	43.86	68.20	-10.49	165	354 Peak	Horizontal



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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
1	5649.50	66.06	22.08	43.18	68.20	-2.14	183	351 Peak	Vertical
2	5695.00	68.33	25.12	43.21	101.51	-33.18	183	351 Peak	Vertical
3	5708.00	69.32	26.07	43.25	107.44	-38.12	183	351 Peak	Vertical
4	5723.50	72.35	29.02	43.33	118.78	-46.43	183	351 Peak	Vertical
5	5745.00	123.14	79.71	43.43	122.20	0.94	183	351 Peak	Vertical
6	5853.50	60.71	16.96	43.75	114.22	-53.51	183	351 Peak	Vertical
7	5868.00	61.04	17.25	43.79	107.16	-46.12	183	351 Peak	Vertical
8	5884.50	60.20	16.36	43.84	98.15	-37.95	183	351 Peak	Vertical
9	5938.00	58.01	14.18	43.83	68.20	-10.19	183	351 Peak	Vertical

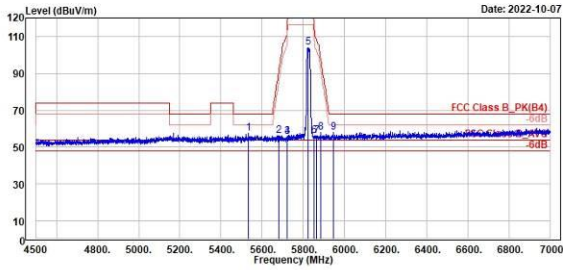
802.11a

CH 165 (Horizontal) Peak

CH 165 (Vertical) Peak



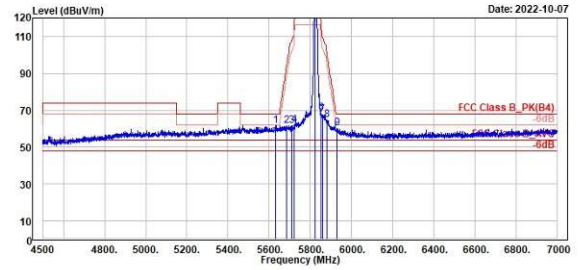
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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
1	5535.00	57.28	14.00	43.28	68.28	-18.92	153	332 Peak	Horizontal
2	5679.00	56.27	13.11	43.16	89.78	-33.43	153	332 Peak	Horizontal
3	5728.00	55.68	12.41	43.27	110.80	-55.12	153	332 Peak	Horizontal
4	5728.00	55.68	12.41	43.27	110.80	-55.12	153	332 Peak	Horizontal
5	5825.00	104.18	60.66	43.52	122.20	-18.02	153	332 Peak	Horizontal
6	5853.00	56.32	12.77	43.55	115.36	-59.04	153	332 Peak	Horizontal
7	5863.00	56.20	12.60	43.60	108.56	-52.36	153	332 Peak	Horizontal
8	5883.50	57.96	14.26	43.70	98.89	-46.93	153	332 Peak	Horizontal
9	5945.00	58.05	14.14	43.91	68.20	-10.15	153	332 Peak	Horizontal



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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note	
1	5632.50	61.74	18.58	43.16	68.20	-6.46	177	360 Peak	Vertical
2	5686.50	61.64	18.43	43.21	95.24	-33.69	177	360 Peak	Vertical
3	5711.00	61.57	18.30	43.27	108.28	-46.71	177	360 Peak	Vertical
4	5722.50	62.06	18.73	43.33	116.50	-54.44	177	360 Peak	Vertical
5	5825.00	123.92	80.25	43.67	122.20	-1.72	177	360 Peak	Vertical
6	5854.00	68.22	24.47	43.75	113.08	-44.86	177	360 Peak	Vertical
7	5858.50	67.61	23.84	43.77	109.82	-42.21	177	360 Peak	Vertical
8	5879.50	64.67	20.85	43.82	101.86	-37.19	177	360 Peak	Vertical
9	5930.00	60.11	16.27	43.84	68.20	-8.09	177	360 Peak	Vertical



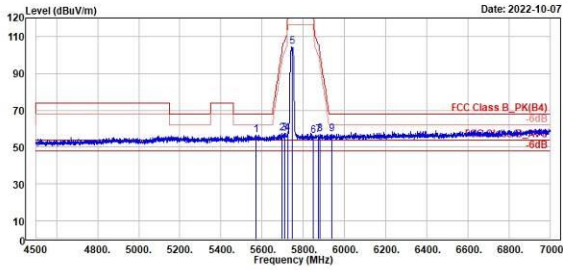
802.11ac VHT20

CH 149 (Horizontal) Peak

CH 149 (Vertical) Peak



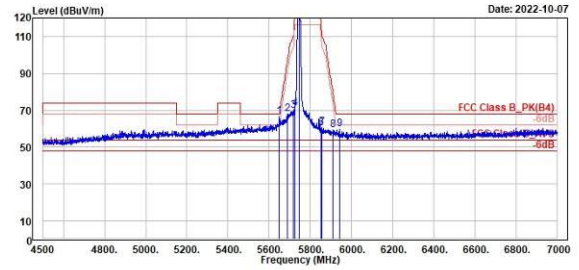
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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
1	5568.50	56.52	13.21	43.31	68.28	-11.68	171	348	Peak	Horizontal
2	5697.50	57.41	14.21	43.20	103.36	-45.95	171	348	Peak	Horizontal
3	5711.00	57.68	14.43	43.25	108.28	-59.60	171	348	Peak	Horizontal
4	5723.50	57.63	14.34	43.29	118.78	-61.15	171	348	Peak	Horizontal
5	5745.00	104.39	61.05	43.34	122.20	-17.81	171	348	Peak	Horizontal
6	5850.00	56.20	12.66	43.54	122.20	-66.00	171	348	Peak	Horizontal
7	5874.00	56.64	12.98	43.65	105.48	-48.84	171	348	Peak	Horizontal
8	5882.50	57.07	13.38	43.69	99.63	-42.56	171	348	Peak	Horizontal
9	5937.00	57.21	13.33	43.88	68.20	-10.99	171	348	Peak	Horizontal



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	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note		
1	5649.00	66.77	23.59	43.18	68.20	-1.43	176	357	Peak	Vertical
2	5690.50	68.12	24.91	43.21	98.20	-30.08	176	357	Peak	Vertical
3	5718.00	69.92	26.62	43.30	110.24	-40.32	176	357	Peak	Vertical
4	5725.00	71.12	27.78	43.34	122.20	-51.08	176	357	Peak	Vertical
5	5745.00	122.05	78.62	43.43	122.20	-0.15	176	357	Peak	Vertical
6	5850.00	60.10	16.36	43.74	121.06	-60.96	176	357	Peak	Vertical
7	5856.00	60.68	16.93	43.75	110.52	-49.84	176	357	Peak	Vertical
8	5908.50	59.33	15.46	43.87	80.38	-21.05	176	357	Peak	Vertical
9	5942.00	59.74	15.91	43.83	68.20	-8.46	176	357	Peak	Vertical

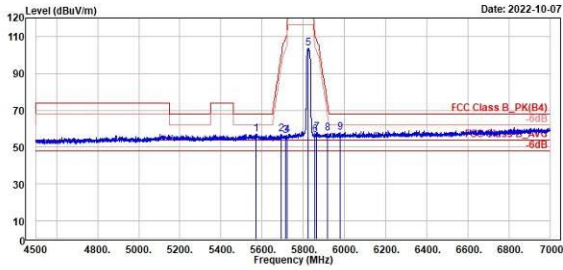
802.11ac VHT20

CH 165 (Horizontal) Peak

CH 165 (Vertical) Peak



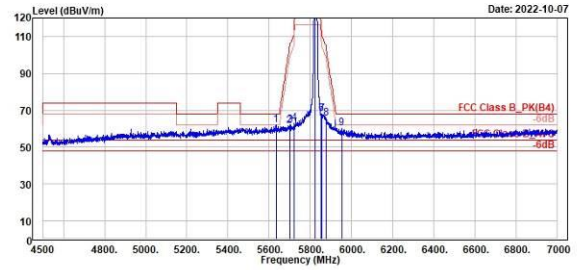
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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5572.00	56.97	13.66	43.31	68.28	-11.23	153	332 Peak	Horizontal	
2	5691.00	57.04	13.85	43.19	98.56	-41.52	153	332 Peak	Horizontal	
3	5712.00	56.21	12.96	43.25	108.56	-52.35	153	332 Peak	Horizontal	
4	5722.50	56.55	13.27	43.28	116.50	-59.95	153	332 Peak	Horizontal	
5	5825.00	103.66	60.14	43.52	122.20	-18.54	153	332 Peak	Horizontal	
6	5854.50	56.64	13.00	43.56	111.94	-55.30	153	332 Peak	Horizontal	
7	5866.00	57.91	14.30	43.61	107.72	-49.81	153	332 Peak	Horizontal	
8	5917.00	57.27	13.45	43.82	74.10	-16.83	153	332 Peak	Horizontal	
9	5977.50	58.18	14.16	43.94	68.20	-10.10	153	332 Peak	Horizontal	



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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	5633.50	62.00	18.84	43.16	68.20	-6.20	171	360 Peak	Vertical	
2	5699.00	61.77	18.55	43.22	104.46	-42.69	171	360 Peak	Vertical	
3	5702.50	61.88	18.65	43.23	105.90	-44.02	171	360 Peak	Vertical	
4	5721.50	62.81	19.49	43.32	114.22	-51.41	171	360 Peak	Vertical	
5	5825.00	123.36	79.69	43.67	122.20	-1.16	171	360 Peak	Vertical	
6	5853.50	60.15	24.40	43.75	114.22	-46.07	171	360 Peak	Vertical	
7	5855.50	67.88	24.13	43.75	110.66	-42.78	171	360 Peak	Vertical	
8	5877.50	65.74	21.93	43.81	103.34	-37.60	171	360 Peak	Vertical	
9	5952.50	60.39	16.57	43.82	68.20	-7.81	171	360 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz  
U-NII-1

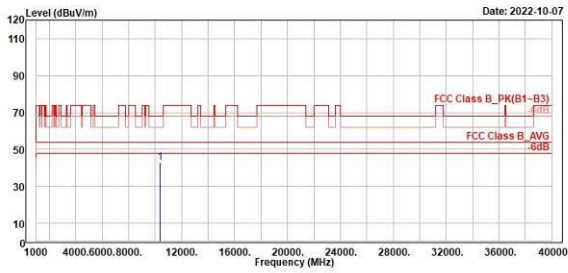
802.11a

CH 36 (Horizontal)

CH 36 (Vertical)



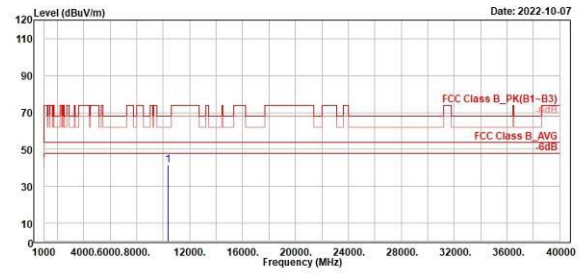
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	10360.00	42.66	45.23	-2.57	68.20	+25.54	100	102	Peak	Horizontal	
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1	10360.00	41.60	44.23	-2.63	68.20	-26.60	300	59	Peak	Vertical	
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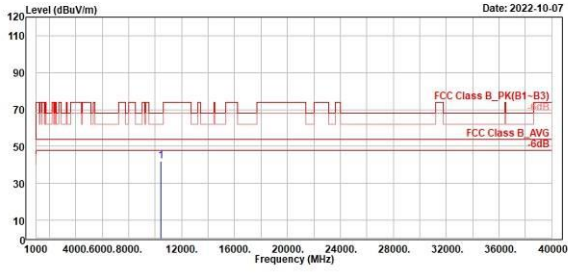
802.11a

CH 40 (Horizontal)

CH 40 (Vertical)



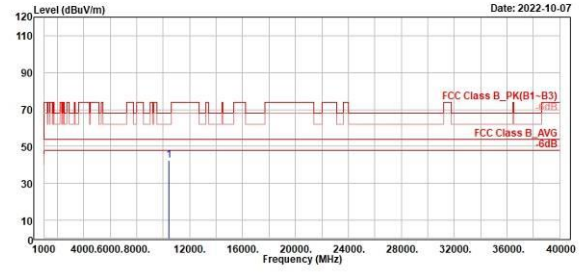
TÜV Rheinland Taiwan Ltd.  
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Tel: +886-2172-1000 Fax: +886-2172-1322



1	10480.00	41.86	44.31	-2.45	68.20	-26.34	200	111	Peak	Horizontal
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1	10480.00	42.34	44.89	-2.55	68.20	-25.86	100	35	Peak	Vertical
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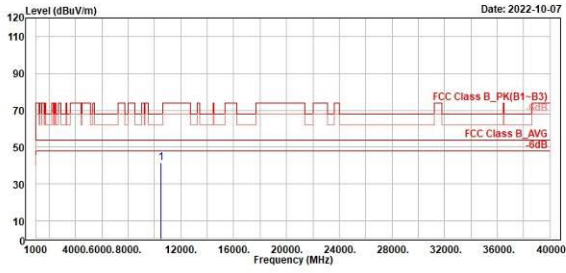
802.11a

CH 48 (Horizontal)

CH 48 (Vertical)



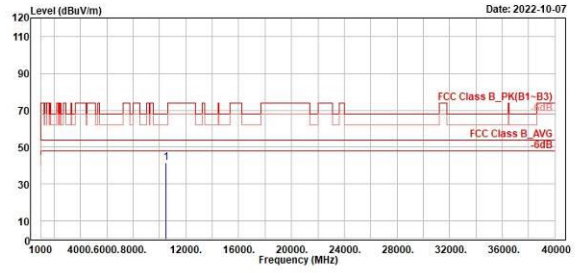
TUV Rheinland Taiwan Ltd.  
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Tel: +886-2172-1000 Fax: +886-2172-1322



1	10488.00	41.32	43.70	-2.38	68.20	-26.88	300	58	Peak	Horizontal
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1	10488.00	41.62	44.02	-2.40	68.20	-26.58	167	360	Peak	Vertical
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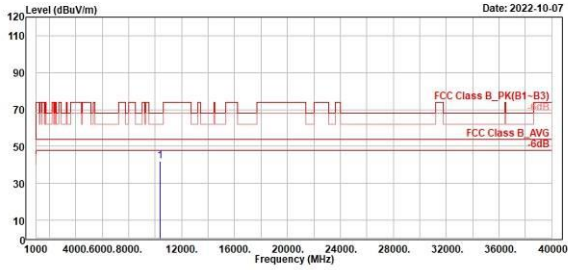
802.11ac VHT20

CH 36 (Horizontal)

CH 36 (Vertical)



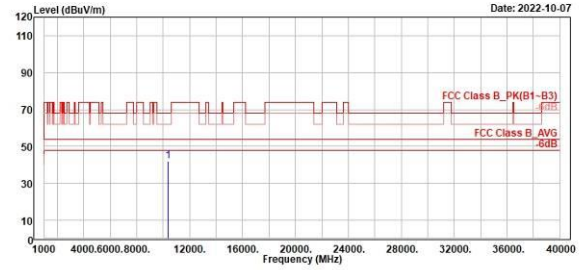
TÜV Rheinland Taiwan Ltd.  
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1	10360.00	41.77	44.34	-2.57	68.20	-26.43	200	85	Peak	Horizontal
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1	10360.00	41.98	44.61	-2.63	68.20	-26.22	200	324	Peak	Vertical
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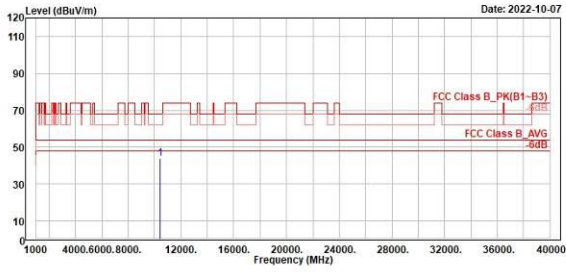
802.11ac VHT20

CH 40 (Horizontal)

CH 40 (Vertical)



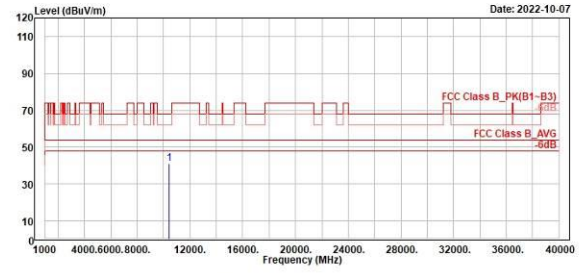
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Tel: +886-2172-1000 Fax: +886-2172-1322



1	10400.00	43.62	46.07	-2.45	68.20	-24.58	100	344	Peak	Horizontal
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1	10400.00	41.11	43.66	-2.55	68.20	-27.09	200	91	Peak	Vertical
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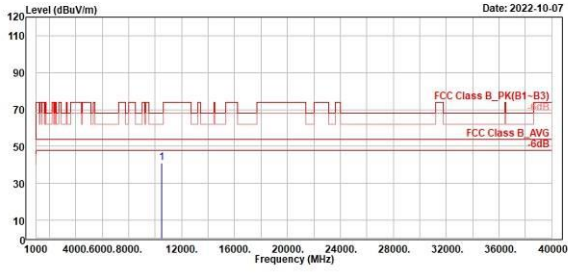
802.11ac VHT20

CH 48 (Horizontal)

CH 48 (Vertical)



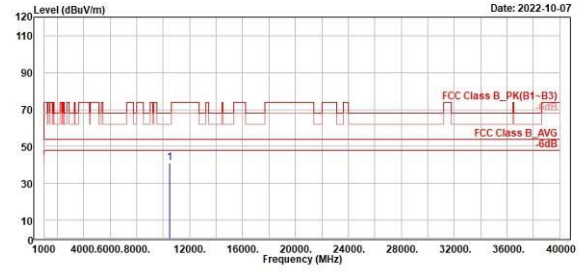
TÜV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



1	10480.00	41.06	43.44	-2.38	68.20	-27.14	100	59	Peak	Horizontal
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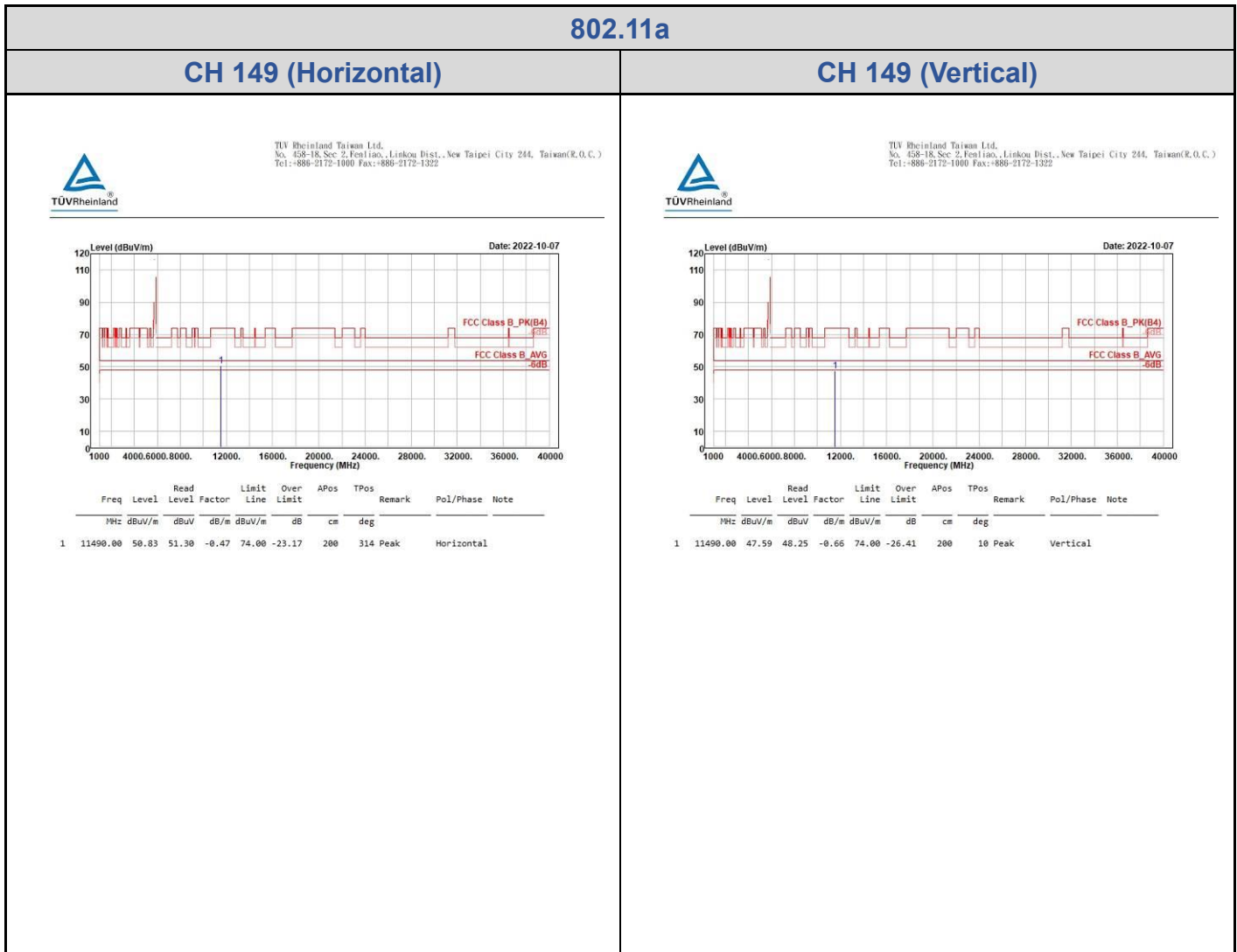
TÜV Rheinland Taiwan Ltd.  
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1	10480.00	40.92	43.32	-2.40	68.20	-27.28	200	161	Peak	Vertical
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U-NII-3



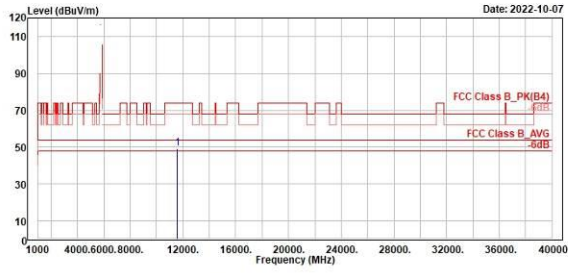
802.11a

CH 157 (Horizontal)

CH 157 (Vertical)



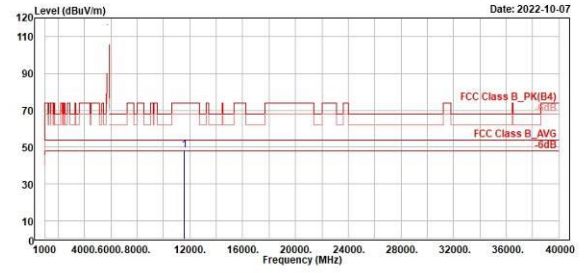
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 11578.00	49.44	49.75	-0.31	74.00	-24.56	200	336 Peak	Horizontal	



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 11578.00	48.19	48.63	-0.44	74.00	-25.81	100	316 Peak	Vertical	

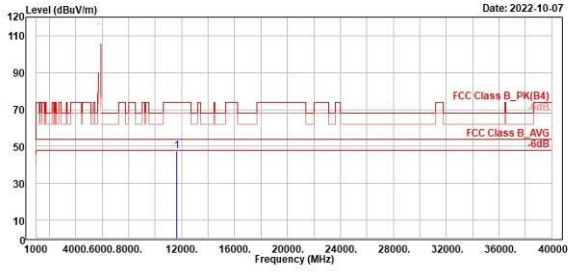
802.11a

CH 165 (Horizontal)

CH 165 (Vertical)



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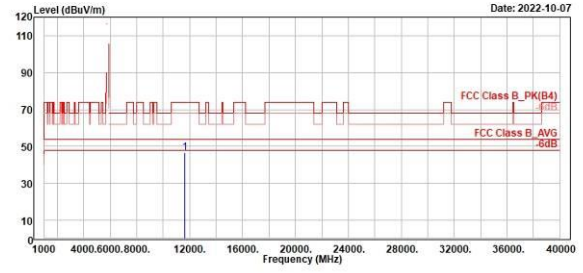


Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
47.63	74.00	-26.53	200	329	Peak	Horizontal	

1 11650.00 47.47 47.63 -0.16 74.00 -26.53 200 329 Peak Horizontal



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Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
Level	Line	Limit					
Factor							
dB/m	dBuV/m	dB	cm	deg			
46.76	74.00	-27.45	300	332	Peak	Vertical	

1 11650.00 46.55 46.76 -0.21 74.00 -27.45 300 332 Peak Vertical

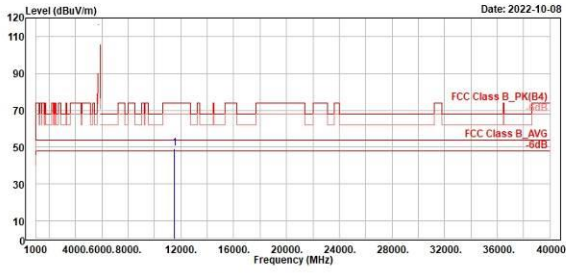
802.11ac VHT20

CH 149 (Horizontal)

CH 149 (Vertical)



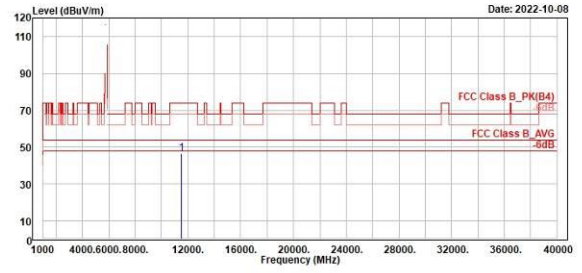
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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 11490.00	49.36	49.83	-0.47	74.00	-24.64	100	324	Peak	Horizontal	



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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 11490.00	46.54	47.20	-0.66	74.00	-27.46	100	313	Peak	Vertical	

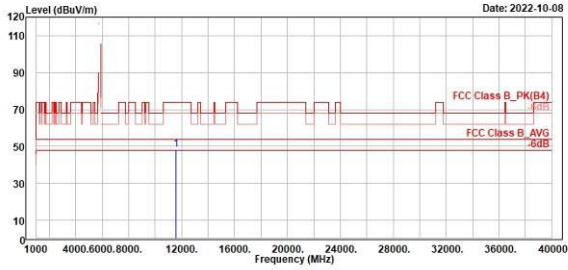
802.11ac VHT20

CH 157 (Horizontal)

CH 157 (Vertical)



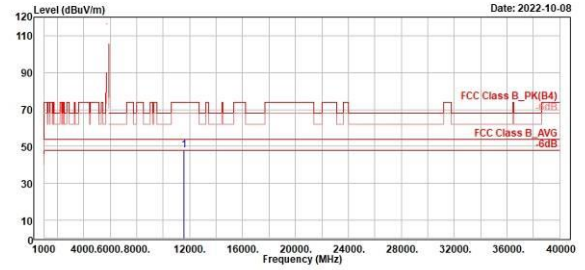
TUV Rheinland Taiwan Ltd.  
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)  
Tel: +886-2172-1000 Fax: +886-2172-1322



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 11570.00	48.59	48.90	-0.31	74.00	-25.41	200	337	Peak	Horizontal	



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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 11570.00	47.93	48.37	-0.44	74.00	-26.07	100	311	Peak	Vertical	

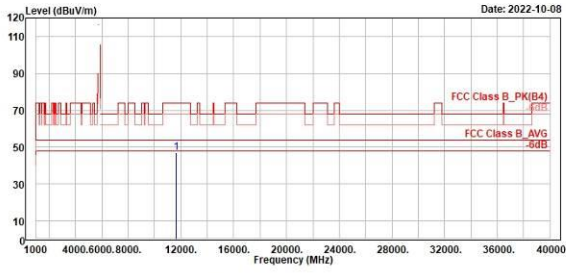
802.11ac VHT20

CH 165 (Horizontal)

CH 165 (Vertical)



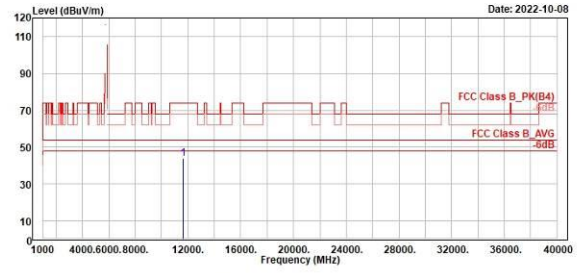
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Tel: +886-2172-1000 Fax: +886-2172-1322



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 11650.00	46.90	47.06	-0.16	74.00	-27.10	300	289	Peak	Horizontal	



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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 11650.00	43.88	44.09	-0.21	74.00	-30.12	184	3	Peak	Vertical	



Spurious Emissions, Tx Mode, 9kHz ~ 30MHz  
U-NII-3

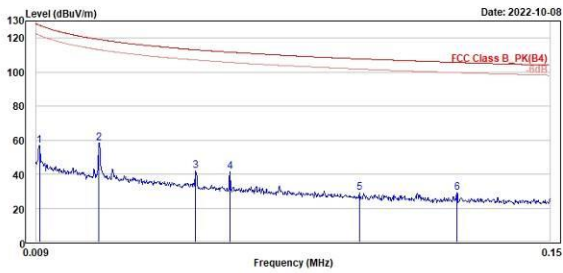
802.11ac VHT20

CH 157 (9kHz ~ 150kHz)

CH 157 (150kHz ~ 30MHz)



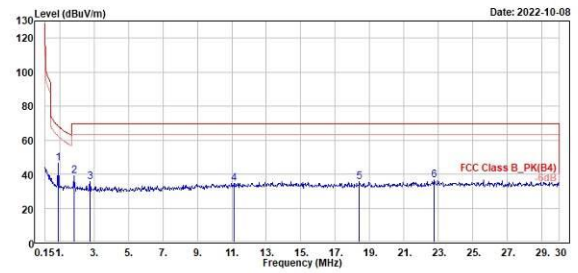
TUV Rheinland Taiwan Ltd.  
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1	2	3	4	5	6
0.01	0.03	0.05	0.06	0.10	0.12
57.00	56.51	41.78	41.40	29.16	29.31
39.37	39.33	22.53	22.36	16.89	11.00
17.71	19.18	19.25	19.04	18.27	18.31
127.68	119.18	113.13	111.72	107.80	105.70
-78.52	-68.67	-71.35	-78.32	-78.64	-76.39
100	100	100	100	100	100
176	192	37	322	146	180
QP	QP	QP	QP	QP	QP
Open	Open	Open	Open	Open	Open



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1	2	3	4	5	6
0.93	1.85	2.78	11.10	18.42	22.72
46.22	38.96	35.63	34.84	35.34	36.40
27.01	19.59	16.16	13.36	13.38	14.24
19.21	19.37	19.47	21.48	21.96	22.16
68.13	69.50	69.50	69.50	69.50	69.50
-21.91	-30.54	-33.87	-34.66	-34.16	-33.10
100	100	100	100	100	100
259	263	242	224	291	30
QP	QP	QP	QP	QP	QP
Open	Open	Open	Open	Open	Open