RAXHT3000W (Referenced Device) original Data

output power

2.4G

Composite Antenna Gain Type		Antenna Gain (dBi)			Chain0	Chain1	Directional Gain		Certification Power
Correlated		2400 ~ 2483.5 MHz:			1.90	2.10	2.10		Power Meter Average Sensor
Mode	Data Rate	Channel	Frequency (MHz)	Power Setting	Chain0 Avg (dBm)	Chain1 Avg (dBm)	Total Avg (dBm)	Limit Avg (dBm)	PASS / FAIL
11b	1Mbps	1	2412	24	24.02	24.38	27.21	30.00	PASS
		6	2437	24	24.18	24.49	27.35	30.00	PASS
		11	2462	24	24.22	24.51	27.38	30.00	PASS
11g	6Mbps	1	2412	21.5	21.50	22.19	24.87	30.00	PASS
		6	2437	24	24.12	24.49	27.32	30.00	PASS
		11	2462	23	23.11	23.69	26.42	30.00	PASS
VHT20 2.4G	MCS0NSS1	1	2412	22	21.47	22.07	24.79	30.00	PASS
		6	2437	24	23.47	24.16	26.84	30.00	PASS
		11	2462	22	21.49	22.06	24.79	30.00	PASS
VHT40 2.4G	MCS0NSS1	3	2422	17	17.29	17.32	20.32	30.00	PASS
		6	2437	22.5	22.35	23.01	25.70	30.00	PASS
		9	2452	17	17.19	17.49	20.35	30.00	PASS
11ax20 2.4G	MCS0 6.5Mbps	1	2412	22	21.56	22.13	24.86	30.00	PASS
		6	2437	24	23.62	24.20	26.93	30.00	PASS
		11	2462	22	21.54	22.16	24.87	30.00	PASS
11ax40 2.4G	MCS0 6.5Mbps	3	2422	17	17.43	17.45	20.45	30.00	PASS
		6	2437	22.5	22.48	23.05	25.78	30.00	PASS
		9	2452	17	17.31	17.64	20.49	30.00	PASS

5G Power

Composite Antenna Gain Type	Antenna Gain (dBi)	Chain0	Chain1	Directional Gain	Certification Power
Correlated	5150 ~ 5250 MHz:	2.50	3.00	3.00	Power Meter Average Sensor
	5250 ~ 5350 MHz:	2.50	3.00	3.00	
	5470 ~ 5725 MHz:	2.50	3.00	3.00	
	5725 ~ 5850 MHz:	2.50	3.00	3.00	

Mode	Data Rate	Channel	Frequency (MHz)	Power Setting	Chain0 Avg (dBm)	Chain1 Avg (dBm)	Total Avg (dBm)	Limit Avg (dBm)	PASS / FAIL
11a	6Mbps	36	5180	24	24.22	24.83	27.55	30.00	PASS
		40	5200	24	24.02	24.10	27.07	30.00	PASS
		48	5240	24	23.54	23.29	26.43	30.00	PASS
		52	5260	21	20.95	20.64	23.81	24.00	PASS
		60	5300	21	20.87	20.48	23.69	24.00	PASS
		64	5320	21.5	20.74	20.62	23.69	24.00	PASS
		100	5500	21	20.79	20.80	23.81	24.00	PASS
		116	5580	21	20.99	20.85	23.93	24.00	PASS
		140	5700	22.5	21.08	20.75	23.93	24.00	PASS
		144	5720	22.5	21.10	20.79	23.96	24.00	PASS
		149	5745	25.5	23.88	23.21	26.57	30.00	PASS
		157	5785	25.5	23.67	23.37	26.53	30.00	PASS
		165	5825	26	23.90	23.59	26.76	30.00	PASS

11ac20 5G	MCS0NSS1	36	5180	24	23.67	22.68	26.21	30.00	PASS
		40	5200	24.5	23.65	23.40	26.54	30.00	PASS
		48	5240	24.5	23.41	23.29	26.36	30.00	PASS
		52	5260	21.5	20.55	20.29	23.43	24.00	PASS
		60	5300	22	20.76	20.69	23.74	24.00	PASS
		64	5320	22.5	21.02	20.67	23.86	24.00	PASS
		100	5500	21.5	20.76	20.82	23.80	24.00	PASS
		116	5580	21.5	21.04	20.72	23.89	24.00	PASS
		140	5700	23	21.03	20.50	23.78	24.00	PASS
		144	5720	23	20.95	20.65	23.81	24.00	PASS
		149	5745	26	23.60	22.99	26.32	30.00	PASS
		157	5785	26.5	23.79	23.50	26.66	30.00	PASS
		165	5825	26.5	23.78	23.36	26.59	30.00	PASS

11ac40 5G	MCS0NSS1	38	5190	22.5	22.52	22.11	25.33	30.00	PASS
		46	5230	24	23.52	23.40	26.47	30.00	PASS
		54	5270	21	20.97	20.66	23.83	24.00	PASS
		62	5310	21	19.32	20.51	22.97	24.00	PASS
		102	5510	20.5	20.28	20.60	23.45	24.00	PASS
		110	5550	20.5	20.71	20.67	23.70	24.00	PASS
		134	5670	22	21.01	20.61	23.82	24.00	PASS
		142	5710	22	20.94	20.66	23.81	24.00	PASS
		151	5755	25.5	23.66	23.23	26.46	30.00	PASS
		159	5795	25	23.00	22.94	25.98	30.00	PASS

11ac80 5G	MCS0NSS1	42	5210	21.5	21.14	21.17	24.17	30.00	PASS
		58	5290	18.5	18.19	17.96	21.09	24.00	PASS
		106	5530	21	20.51	20.74	23.64	24.00	PASS
		122	5610	20	20.56	20.86	23.72	24.00	PASS
		138	5690	20	20.59	20.69	23.65	24.00	PASS
		155	5775	23.5	21.45	21.11	24.29	30.00	PASS

11ax20 5G	MCS0NSS1	36	5180	24	23.72	22.72	26.26	30.00	PASS
		40	5200	24.5	23.74	23.50	26.63	30.00	PASS
		48	5240	24.5	23.55	23.35	26.46	30.00	PASS
		52	5260	21.5	20.64	20.32	23.49	24.00	PASS
		60	5300	22	20.87	20.76	23.83	24.00	PASS
		64	5320	22.5	21.10	20.72	23.92	24.00	PASS
		100	5500	21.5	20.85	20.86	23.87	24.00	PASS
		116	5580	21.5	21.07	20.81	23.95	24.00	PASS
		140	5700	23	21.07	20.63	23.87	24.00	PASS
		144	5720	23	21.05	20.72	23.90	24.00	PASS
		149	5745	26	23.70	23.05	26.40	30.00	PASS
		157	5785	26.5	23.82	23.62	26.73	30.00	PASS
		165	5825	26.5	23.87	23.46	26.68	30.00	PASS

11ax40 5G	MCS0NSS1	38	5190	22.5	22.63	22.24	25.45	30.00	PASS
		46	5230	24	23.64	23.52	26.59	30.00	PASS
		54	5270	21	21.11	20.71	23.92	24.00	PASS
		62	5310	21	19.43	20.65	23.09	24.00	PASS
		102	5510	20.5	20.40	20.67	23.55	24.00	PASS
		110	5550	20.5	20.84	20.79	23.83	24.00	PASS
		134	5670	22	21.06	20.75	23.92	24.00	PASS
		142	5710	22	21.07	20.69	23.89	24.00	PASS
		151	5755	25.5	23.73	23.34	26.55	30.00	PASS

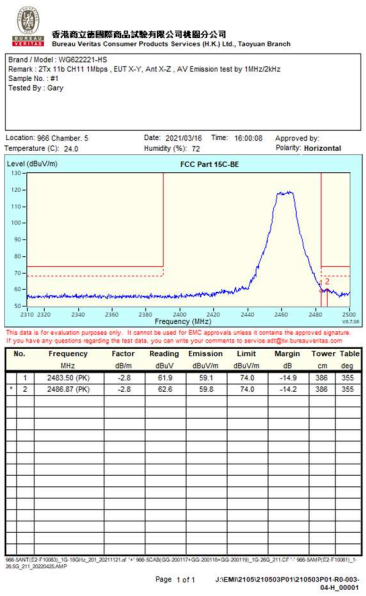
		159	5795	25	23.11	23.05	26.09	30.00	PASS

11ax80 5G	MCS0NSS1	42	5210	21.5	21.27	21.22	24.26	30.00	PASS
		58	5290	18.5	18.24	18.06	21.16	24.00	PASS
		106	5530	21	20.58	20.88	23.74	24.00	PASS
		122	5610	20	20.63	20.92	23.79	24.00	PASS
		138	5690	20	20.67	20.84	23.77	24.00	PASS
		155	5775	23.5	21.54	21.17	24.37	30.00	PASS

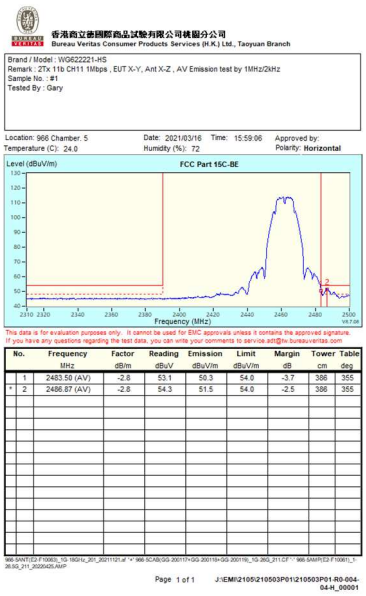
Radiated emission – Band edge and Harmonics (Above 1GHz)

802.11b Channel 11

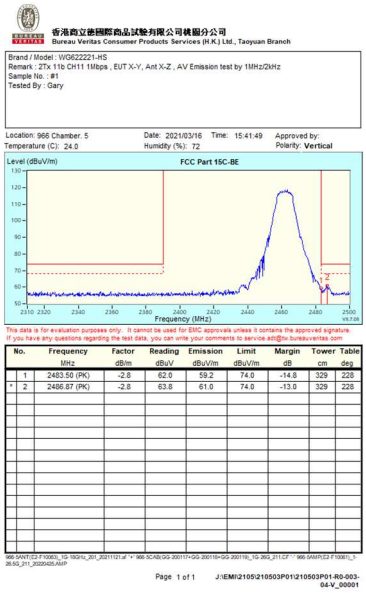
Horizontal (Peak)



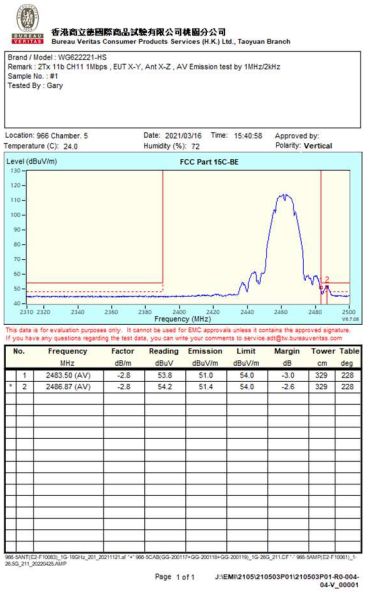
Horizontal (Average)



Vertical (Peak)

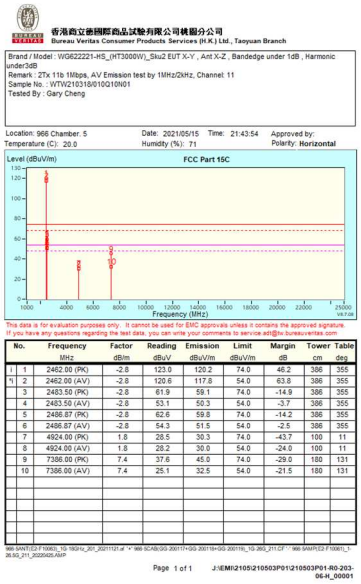


Vertical (Average)



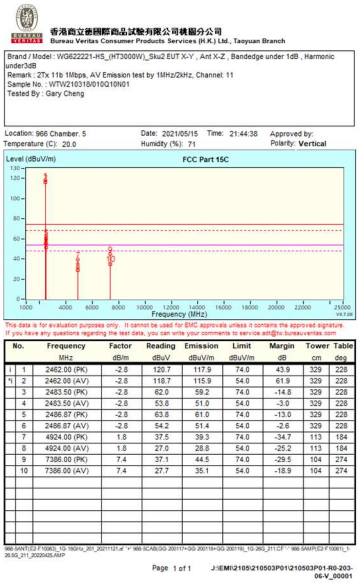
802.11b Channel 11

Horizontal



	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
I	1	2462.00 (PK)	-2.8	123.0	120.2	74.0	46.2	386	355
¶	2	2462.00 (AV)	-2.8	120.6	117.8	54.0	63.8	386	355
	3	2483.50 (PK)	-2.8	61.9	59.1	74.0	-14.9	386	355
	4	2483.50 (AV)	-2.8	53.1	50.3	54.0	-3.7	386	355
	5	2486.87 (PK)	-2.8	62.6	59.8	74.0	-14.2	386	355
	6	2486.87 (AV)	-2.8	54.3	51.5	54.0	-2.5	386	355
	7	4924.00 (PK)	1.8	28.5	30.3	74.0	-43.7	100	11
	8	4924.00 (AV)	1.8	28.2	30.0	54.0	-24.0	100	11
	9	7386.00 (PK)	7.4	37.6	45.0	74.0	-29.0	180	131
	10	7386.00 (AV)	7.4	25.1	32.5	54.0	-21.5	180	131

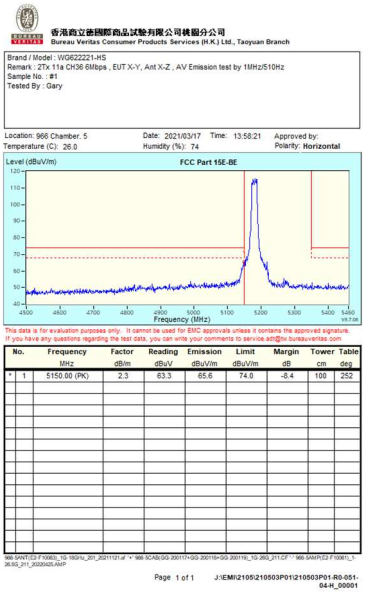
Vertical



	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
I	1	2462.00 (PK)	-2.8	120.7	117.9	74.0	43.9	329	228
¶	2	2462.00 (AV)	-2.8	118.7	115.9	54.0	61.9	329	228
	3	2483.50 (PK)	-2.8	62.0	59.2	74.0	-14.8	329	228
	4	2483.50 (AV)	-2.8	53.8	51.0	54.0	-3.0	329	228
	5	2486.87 (PK)	-2.8	63.8	61.0	74.0	-13.0	329	228
	6	2486.87 (AV)	-2.8	54.2	51.4	54.0	-2.6	329	228
	7	4924.00 (PK)	1.8	37.5	39.3	74.0	-34.7	113	184
	8	4924.00 (AV)	1.8	27.0	28.8	54.0	-25.2	113	184
	9	7386.00 (PK)	7.4	37.1	44.5	74.0	-29.5	104	274
	10	7386.00 (AV)	7.4	27.7	35.1	54.0	-18.9	104	274

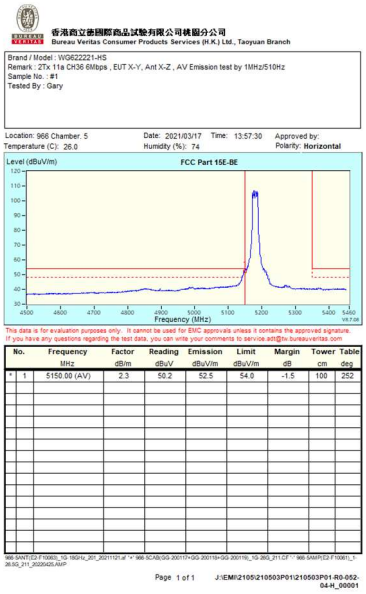
802.11a Channel 36

Horizontal (Peak)



	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
*	1	5150.00 (PK)	2.3	63.3	65.6	74.0	-8.4	100	252

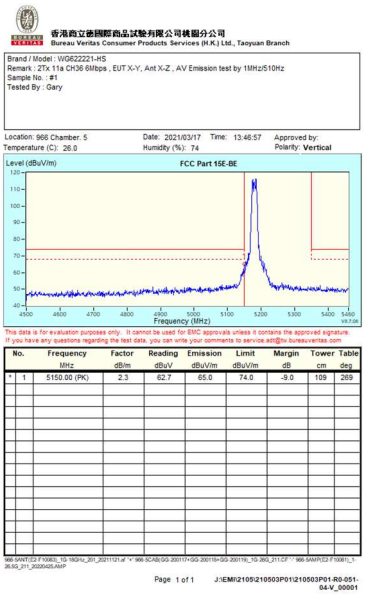
Horizontal (Average)

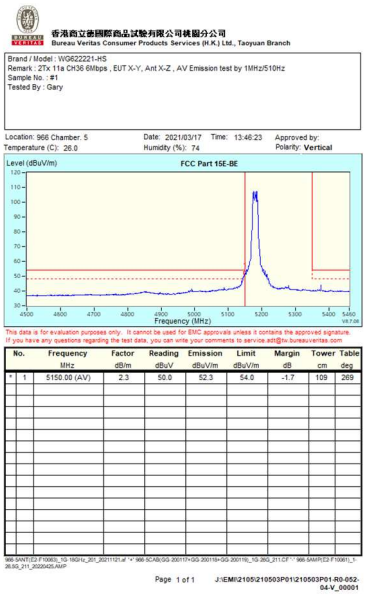


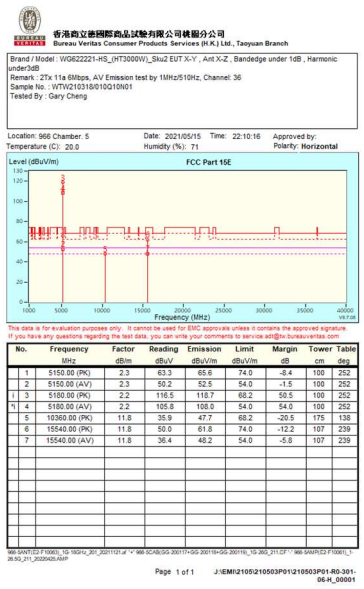
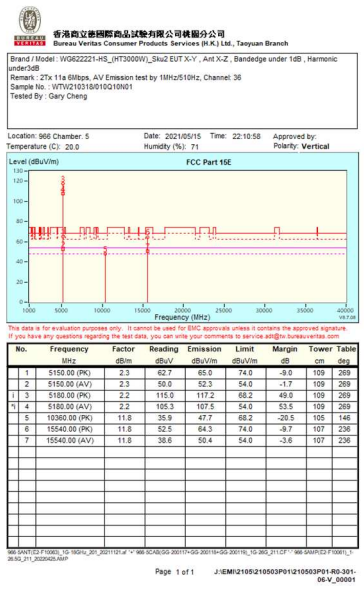
	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
*	1	5150.00 (AV)	2.3	50.2	52.5	54.0	-1.5	100	252

Vertical (Peak)

Vertical (Average)





802.11a Channel 36	
Horizontal	**Vertical**
	

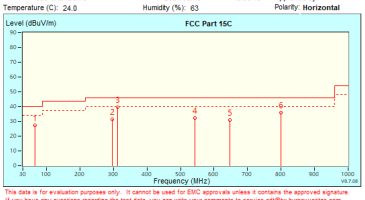
Radiated emission (Below 1GHz)

802.11b Channel 11	
Horizontal	**Vertical**

香港商立德國際商品試驗有限公司桃園分公司
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Brand / Model : WG622221-HS_(HT3000W)
Remark : Sku2 ; Ant X-Z , 2.4G Worst Channel Tx
Sample No. : WTW210318/010Q10N01
Tested By : Sampson Chen

Location: 966 Chamber. 5 Date: 2021/05/15 Time: 16:36:16 Approved by:
Temperature (C): 24.0 Humidity (%): 63 Polarity: **Horizontal**



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.
If you have any questions regarding the test data, you can write your comments to service.adt@tw.bureauveritas.com

	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
	1	66.86	-14.3	41.6	27.3	40.0	-12.7	300	70
	2	297.30	-12.4	43.9	31.5	46.0	-14.5	100	53
*	3	313.31	-11.9	51.3	39.4	46.0	-6.6	150	305
	4	542.69	-6.8	39.0	32.2	46.0	-13.8	150	161
	5	646.32	-4.6	35.6	31.0	46.0	-15.0	150	134
	6	799.98	-2.4	38.1	35.7	46.0	-10.3	100	256

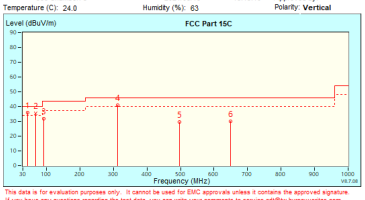
966-SANT(E2-F10062)_9169-0942_30MHz~1GHz_201_20211102.uf * * 966-SCAB(SG-F10002_SG-F10003+SG-F10004)_30M-1GHz_211.uf * * 966-SATT(ZZ-011167)_30M-1GHz_211_20220110.uf * * 966-SAMP(E2-F10060)_30M-1GHz_211_20220425.AMP

Page 1 of 1 J:\EMI\2105\210503P01\210503P01-R1-901-04-H_00001

香港商立德國際商品試驗有限公司桃園分公司
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Brand / Model : WG622221-HS_(HT3000W)
Remark : Sku2 ; Ant X-Z , 2.4G Worst Channel Tx
Sample No. : WTW210318/010Q10N01
Tested By : Sampson Chen

Location: 966 Chamber. 5 Date: 2021/05/15 Time: 16:19:10 Approved by:
Temperature (C): 24.0 Humidity (%): 63 Polarity: **Vertical**



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.
If you have any questions regarding the test data, you can write your comments to service.adt@tw.bureauveritas.com

	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
*	1	43.39	-12.9	48.6	35.7	40.0	-4.3	150	175
	2	67.98	-14.5	50.1	35.6	40.0	-4.4	100	68
	3	92.81	-18.4	50.2	31.8	43.5	-11.7	100	175
	4	312.48	-12.0	52.7	40.7	46.0	-5.3	100	265
	5	496.69	-7.7	37.2	29.5	46.0	-16.5	200	176
	6	649.47	-4.6	34.8	30.2	46.0	-15.8	100	284

966-SANT(E2-F10062)_9169-0942_30MHz~1GHz_201_20211102.uf * * 966-SCAB(SG-F10002_SG-F10003+SG-F10004)_30M-1GHz_211.uf * * 966-SATT(ZZ-011167)_30M-1GHz_211_20220110.uf * * 966-SAMP(E2-F10060)_30M-1GHz_211_20220425.AMP

Page 1 of 1 J:\EMI\2105\210503P01\210503P01-R1-901-04-V_00001

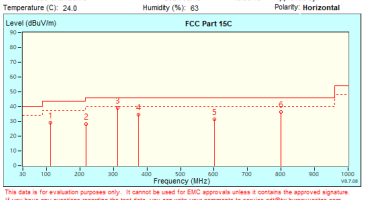
802.11a Channel 36

Horizontal

香港商立德國際商品試驗有限公司桃園分公司
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Brand / Model : WG622221-HS_(HT3000W)
Remark : Sku2 ; Ant X-Z , 5G Worst Channel Tx
Sample No. : WTW210318/010Q10N01
Tested By : Sampson Chen

Location: 966 Chamber. 5 Date: 2021/05/15 Time: 16:36:16 Approved by:
Temperature (C): 24.0 Humidity (%): 63 Polarity: **Horizontal**



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.
If you have any questions regarding the test data, you can write your comments to service.adt@tw.bureauveritas.com

	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
	1	111.73	-15.8	45.1	29.3	43.5	-14.2	150	277
	2	218.77	-16.0	44.0	28.0	46.0	-18.0	150	277
*	3	312.96	-11.9	51.0	39.1	46.0	-6.9	150	300
	4	375.00	-10.5	45.1	34.6	46.0	-11.4	100	191
	5	601.65	-5.2	36.7	31.5	46.0	-14.5	150	153
	6	800.10	-2.4	38.6	36.2	46.0	-9.8	100	252

966-SANT(E2-F10062)_9169-0942_30MHz~1GHz_201_20211102.uf * * 966-SCAB(SG-F10002_SG-F10003+SG-F10004)_30M-1GHz_211.uf * * 966-SATT(ZZ-011167)_30M-1GHz_211_20220110.uf * * 966-SAMP(E2-F10060)_30M-1GHz_211_20220425.AMP

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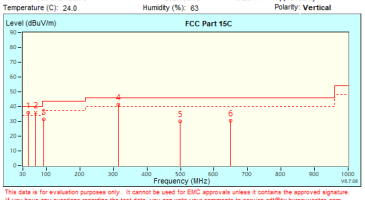
Vertical

香港商立德國際商品試驗有限公司桃園分公司
Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Brand / Model : WG622221-HS_(HT3000W)
Remark : Sku2 ; Ant X-Z , 5G Worst Channel Tx
Sample No. : WTW210318/010Q10N01
Tested By : Sampson Chen

Location: 966 Chamber. 5 Date: 2021/05/15 Time: 16:29:44 Approved by:
Temperature (C): 24.0 Humidity (%): 63 Polarity: **Vertical**



This data is for evaluation purposes only. It cannot be used for EMC approvals unless it contains the approved signature.
If you have any questions regarding the test data, you can write your comments to service.adt@tw.bureauveritas.com

	No.	Frequency MHz	Factor dB/m	Reading dBuV	Emission dBuV/m	Limit dBuV/m	Margin dB	Tower cm	Table deg
*	1	45.34	-12.8	48.9	36.1	40.0	-3.9	150	185
	2	68.23	-14.6	50.5	35.9	40.0	-4.1	100	70
	3	93.05	-18.4	49.8	31.4	43.5	-12.1	100	180
	4	315.19	-11.9	53.2	41.3	46.0	-4.7	100	270
	5	498.08	-7.7	37.5	29.8	46.0	-16.2	200	180
	6	650.01	-4.6	35.0	30.4	46.0	-15.6	100	280

966-SANT(E2-F10062)_9169-0942_30MHz~1GHz_201_20211102.uf * * 966-SCAB(SG-F10002_SG-F10003+SG-F10004)_30M-1GHz_211.uf * * 966-SATT(ZZ-011167)_30M-1GHz_211_20220110.uf * * 966-SAMP(E2-F10060)_30M-1GHz_211_20220425.AMP

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