Wireless Device Over the Air Performance Test Report

REPORT NO.		**OQ212659-01B**
APPLICANT	:	**Getac Technology Corp.**
MANUFACTURER	:	**Getac Technology Corp.**
EQUIPMENT	:	**Body Worn Camera**
DATE OF RECEIPT	:	**April 13, 2022**
DATE OF TEST	:	**April 13, 2022**
ISSUE DATE	:	**October 7, 2022**

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown the compliance with the applicable technical standards.

The declared product specification for EUT presented in this report is provided by the manufacturer / applicant, and the manufacturer / applicant takes all the responsibilities for the accuracy of product specification.

SPORTON INTERNATIONAL INC. EMC & WIRELESS COMMUNICATIONS LABORATORY

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Revision history

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
OQ212659-01B	1.0	Initial issue of report	October 7, 2022

1. Administration data

1.1 Testing laboratory

Test Site	Sporton International Inc. ☐ EMC & Wireless Communications Laboratory ▓ Wensan Laboratory
Telephone Number	EMC & Wireless Communications Laboratory: TEL: +886-3-327-3456; FAX: +886-3-328-4978 Wensan Laboratory: TEL: +886-3-327-0838; FAX: +886-3-327-0855
Address	EMC & Wireless Communications Laboratory: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan Wensan Laboratory: No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist., Taoyuan City 333, Taiwan
Chamber	EMC & Wireless Communications Laboratory: ☐ OTA01-HY ☐ OTA03-HY ☐ OTA04-HY ☐ OTA05-HY Wensan Laboratory: ▓ OTA07-HY ☐ OTA08-HY ☐OTA10-HY

▓ : The chamber(s) which used to perform the test in this test report.

1.2 Applicant

Company Name	Getac Technology Corp.
Address	5F., Building A, No. 209, Sec.1, Nangang Rd.,Nangang Dist., Taipei City 11568, Taiwan, R.O.C.
Contact Person	Kevin Chiang / kevin.chiang@getac.com.tw
Telephone Number	TEL : +886-2-2785-7888#1142 FAX : +886-2-2652-5865

1.3 Manufacturer

Company Name	Getac Technology Corp.
Address	5F., Building A, No. 209, Sec.1, Nangang Rd.,Nangang Dist., Taipei City 11568, Taiwan, R.O.C.

2. General information

2.1 Description of equipment under test (EUT)

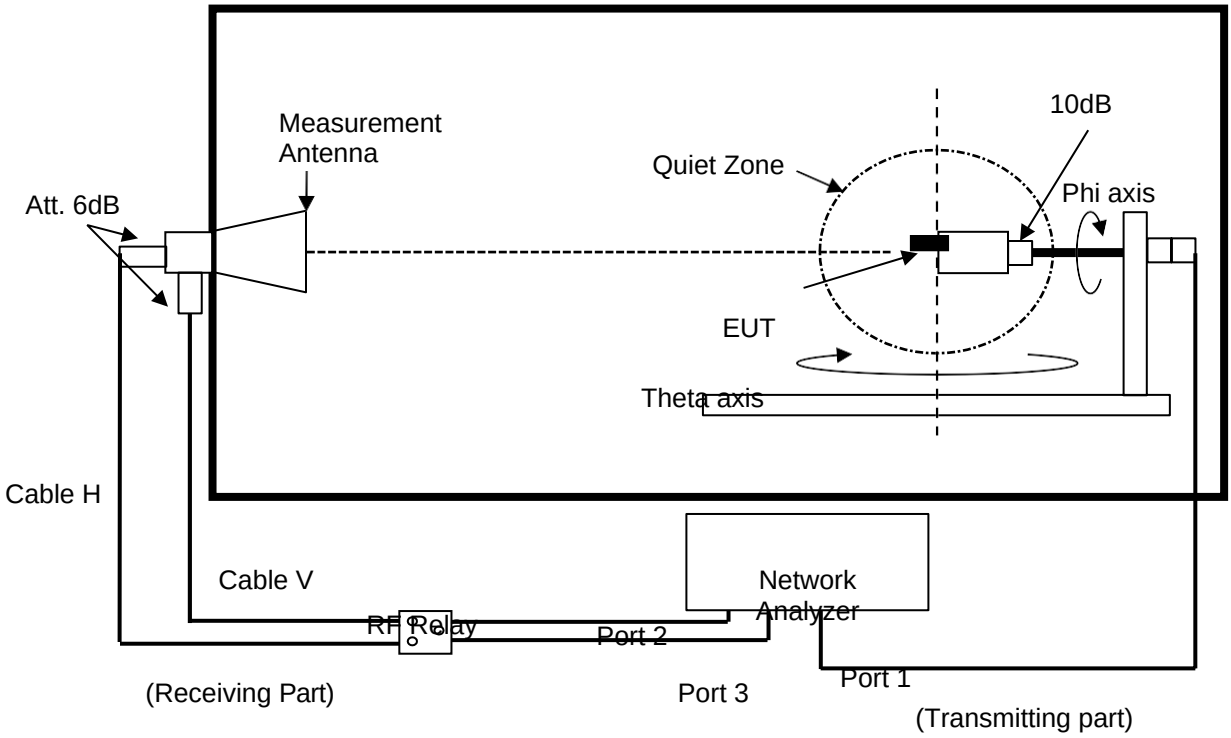
Product Feature & Specification		
Brand Name		Getac
Model Name		BC-4K
Antenna Type	WiFi / BT	IFA

2.2 Test equipment list

Name	Manufacturer	Type/Model	Serial Number	Calibration	
				Last Cal.	Due Date
ENA Series Network Analyzer	Keysight	E5071C	MY46100746	2021/07/01	2022/06/30
RF Switch	Keysight	3499A	00155745	NCR	NCR
Multi-Axis Positioner Controller	ETS-Lindgren	2090	N/A	NCR	NCR
Medium-Duty Positioner	ETS-Lindgren	2015	N/A	NCR	NCR
Measurement Horn Antenna	EMCO	3164-08	00102092	NCR	NCR

3. Measurement Environment

3.1 Passive measurement setup



4. Summary of test results

Ambient Condition

Temperature (°C):	25℃ +/- 5℃	Humidity (%):	<60%

Please note the following abbreviations in this section:

FS = Free Space

BH = Beside Head (Head Phantom Only)

BHL = Beside Head Left Side (Head Phantom Only)

BHR = Beside Head Right Side (Head Phantom Only)

4.1 Summary table

WiFi / BT					
Frequency	Ant. Port Input Pwr. (dB)	Gain (dBi)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)
2400	0.0	1.99	4.78	-2.79	52.58
2425	0.0	2.02	5.25	-3.23	47.57
2450	0.0	1.73	5.40	-3.67	42.93
2475	0.0	1.32	5.33	-4.01	39.71
2500	0.0	0.96	4.96	-4.00	39.79
5000	0.0	2.40	4.69	-2.29	59.01
5025	0.0	2.54	4.69	-2.15	60.93
5050	0.0	2.53	4.61	-2.09	61.86
5075	0.0	2.35	4.56	-2.21	60.15
5100	0.0	2.30	4.62	-2.31	58.73
5125	0.0	2.30	4.65	-2.35	58.17
5150	0.0	2.51	4.93	-2.42	57.23
5175	0.0	2.65	4.86	-2.21	60.15
5200	0.0	2.61	4.73	-2.13	61.30
5225	0.0	2.21	4.44	-2.22	59.94
5250	0.0	2.20	4.36	-2.16	60.83
5275	0.0	2.56	4.83	-2.26	59.36
5300	0.0	2.97	5.17	-2.20	60.31
5325	0.0	3.15	5.30	-2.14	61.05
5350	0.0	3.39	5.38	-1.98	63.34
5375	0.0	3.53	5.39	-1.86	65.16
5400	0.0	3.67	5.34	-1.67	68.08
5425	0.0	3.71	5.28	-1.57	69.73
5450	0.0	3.67	5.32	-1.64	68.52
5475	0.0	3.83	5.50	-1.67	68.15
5500	0.0	3.81	5.55	-1.74	67.04
5525	0.0	3.87	5.54	-1.67	68.07
5550	0.0	3.70	5.49	-1.79	66.15
5575	0.0	3.48	5.47	-1.99	63.28

5600	0.0	3.29	5.48	-2.18	60.50
5625	0.0	3.30	5.51	-2.20	60.20
5650	0.0	3.02	5.41	-2.39	57.66
5675	0.0	3.03	5.28	-2.25	59.61
5700	0.0	2.68	5.11	-2.44	57.07
5725	0.0	2.39	4.99	-2.60	54.92
5750	0.0	2.09	5.04	-2.95	50.66
5775	0.0	1.95	5.17	-3.21	47.71
5800	0.0	1.97	5.34	-3.37	46.05
5825	0.0	2.17	5.34	-3.17	48.19
5850	0.0	2.10	5.47	-3.37	46.03
5875	0.0	2.31	5.54	-3.23	47.51
5900	0.0	1.82	5.49	-3.66	43.01
5925	0.0	1.49	5.41	-3.92	40.58
5925	0.0	1.49	5.41	-3.92	40.58
5940	0.0	1.33	5.30	-3.98	40.03
5950	0.0	1.08	5.31	-4.24	37.70
5975	0.0	1.06	5.20	-4.14	38.56
6000	0.0	0.91	5.17	-4.26	37.53
6000	0.0	0.91	5.17	-4.26	37.53
6085	0.0	1.86	5.52	-3.66	43.07
6125	0.0	2.47	5.61	-3.14	48.50
6225	0.0	2.38	4.96	-2.58	55.19
6245	0.0	2.52	4.91	-2.39	57.66
6325	0.0	2.50	5.31	-2.81	52.31
6405	0.0	1.55	5.20	-3.65	43.14
6425	0.0	1.61	5.19	-3.58	43.90
6525	0.0	0.92	6.05	-5.13	30.72
6565	0.0	0.78	6.15	-5.37	29.02
6625	0.0	0.34	5.96	-5.62	27.40
6725	0.0	0.04	5.98	-5.94	25.48
6875	0.0	0.51	6.01	-5.50	28.17
6885	0.0	0.64	5.99	-5.35	29.14
6925	0.0	0.77	5.77	-5.00	31.63
7000	0.0	0.50	5.19	-4.69	33.98
7045	0.0	0.46	5.40	-4.94	32.07

7125	0.0	0.83	5.60	-4.78	33.30

5. Description for EUT testing position

Place and fix it with tape shown as below.

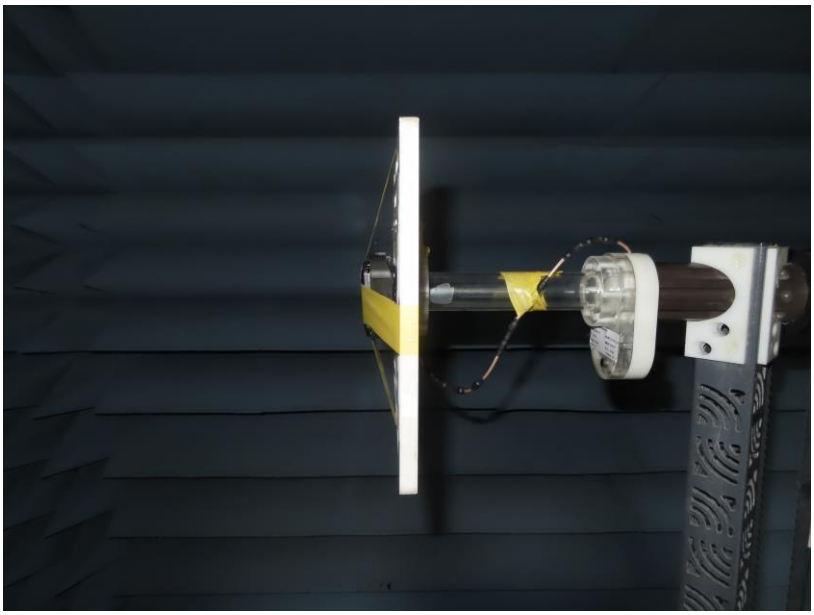


Fig. 6-1 Test position FS Front View

Fig. 6-2 Test position FS Side View

Appendix A Pattern Plots

3D Antenna Pattern

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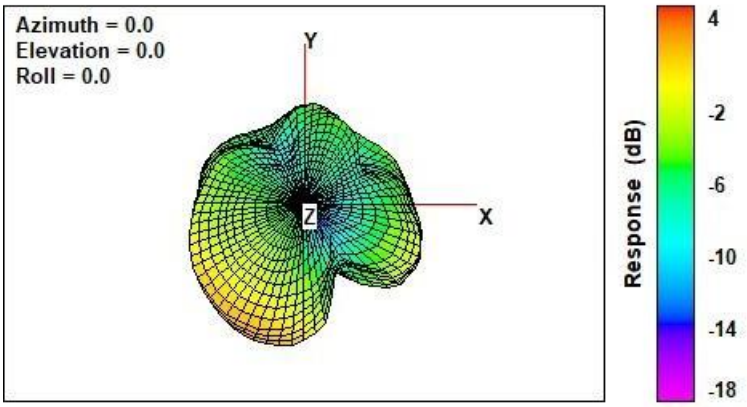

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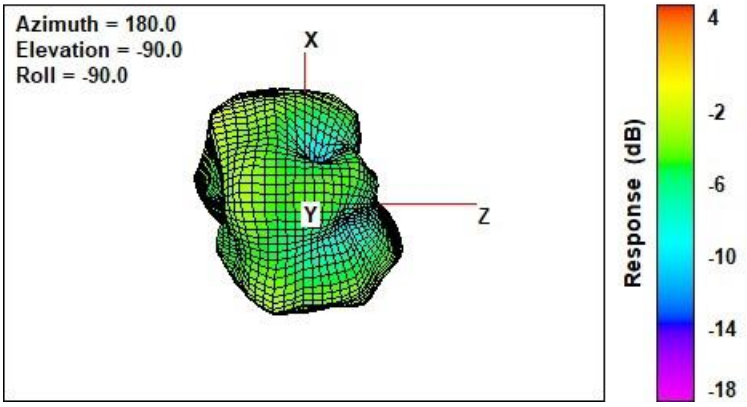

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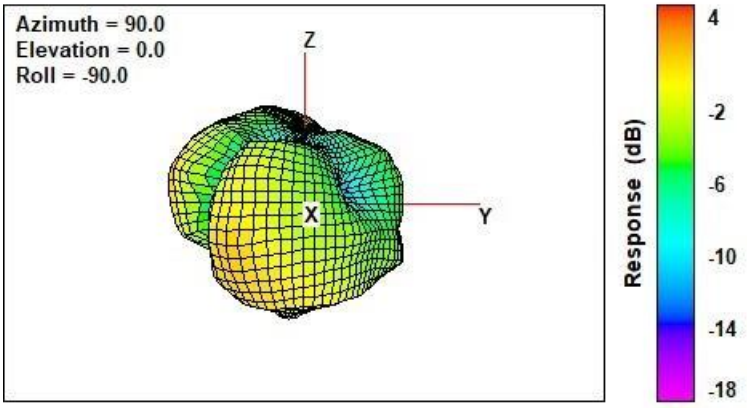

Free Space WLAN 2.4G 2425MHz

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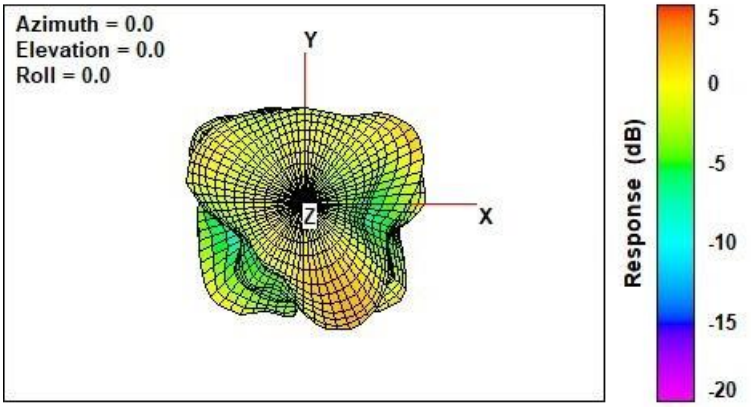

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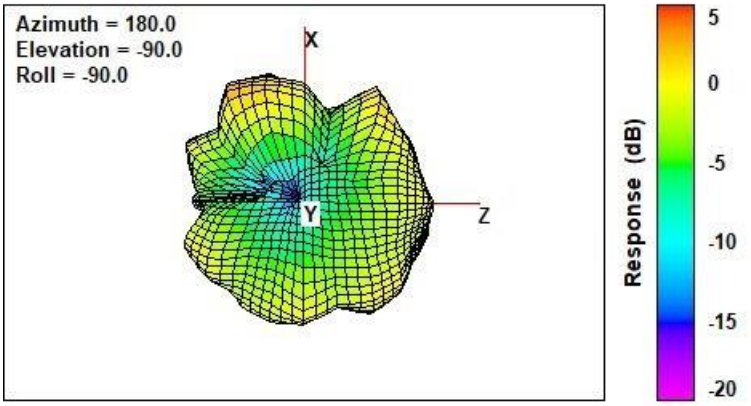

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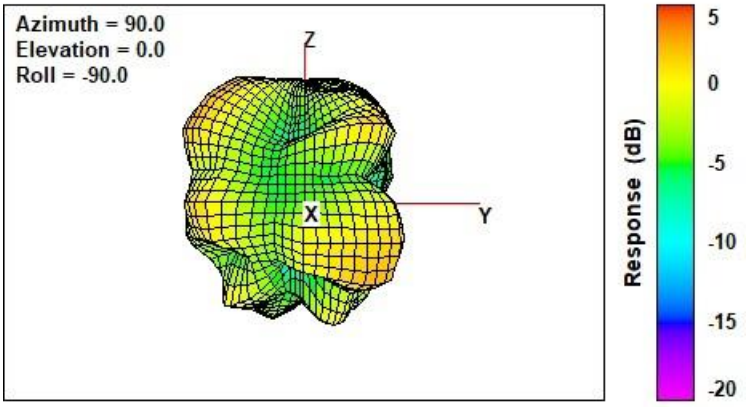

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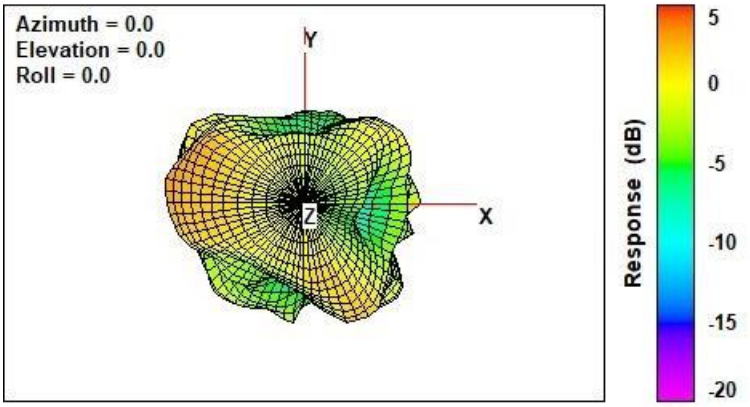

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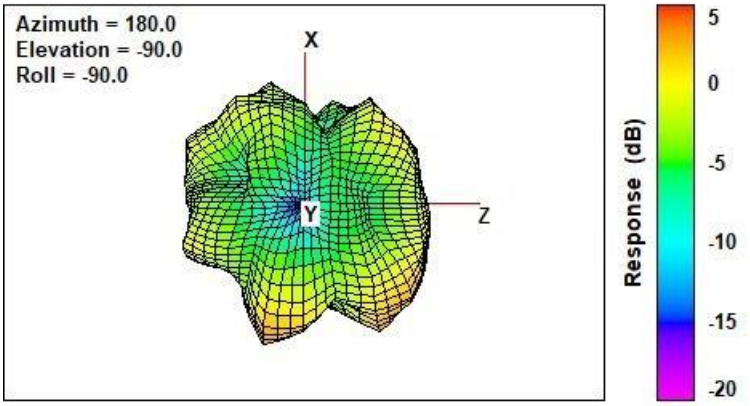

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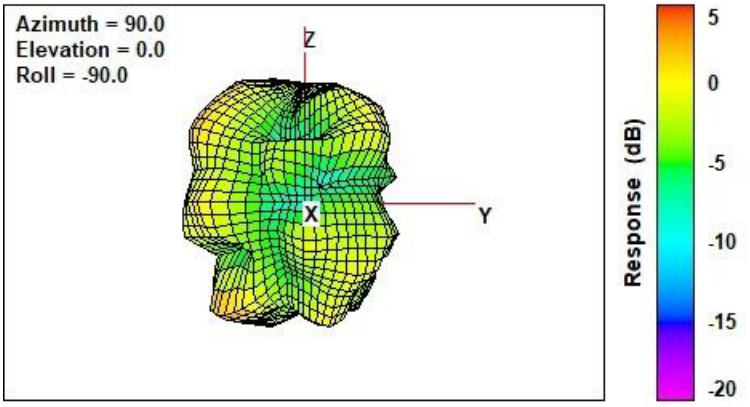

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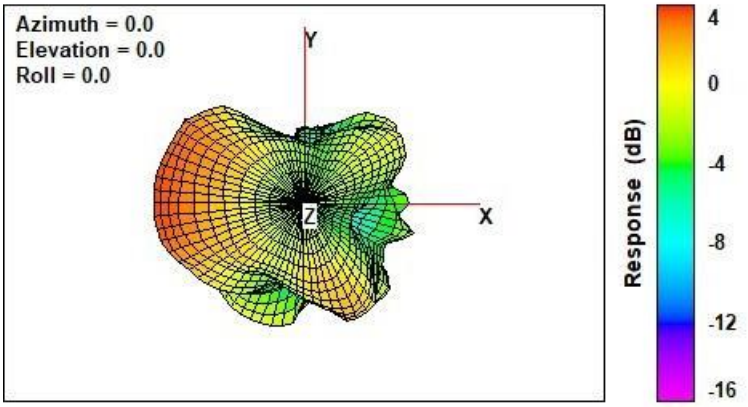

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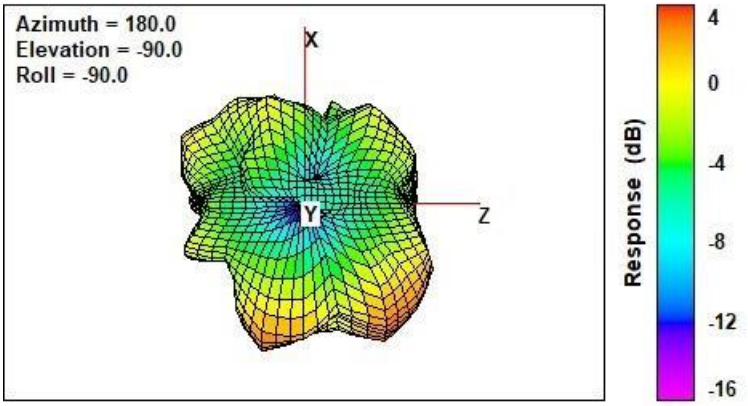

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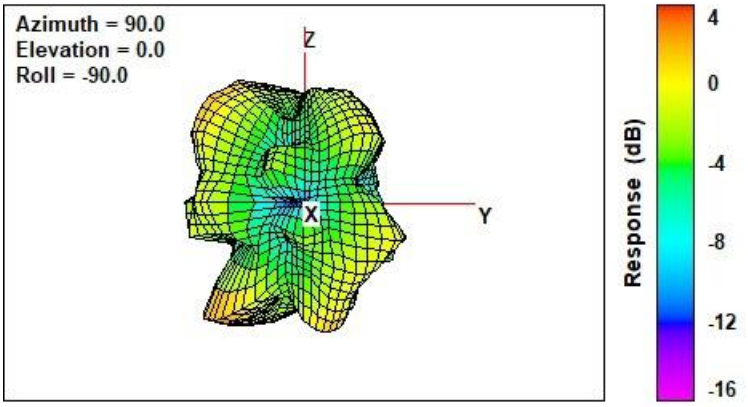

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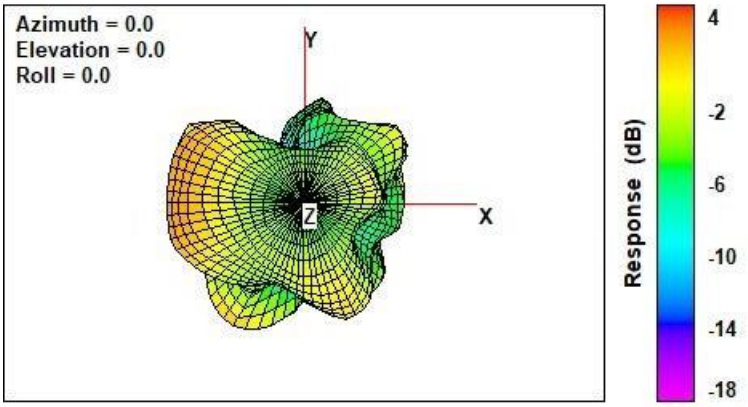

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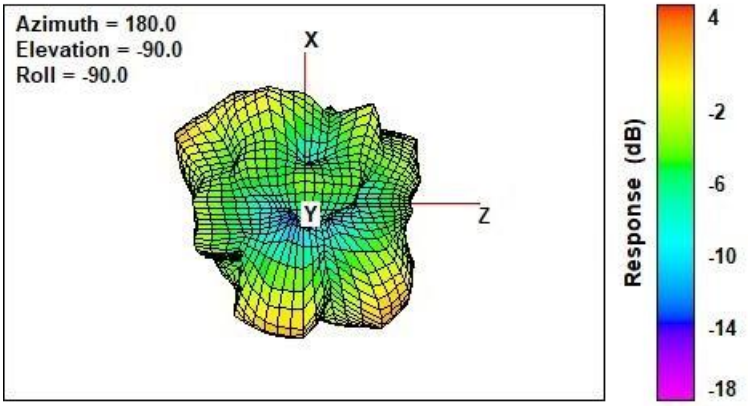

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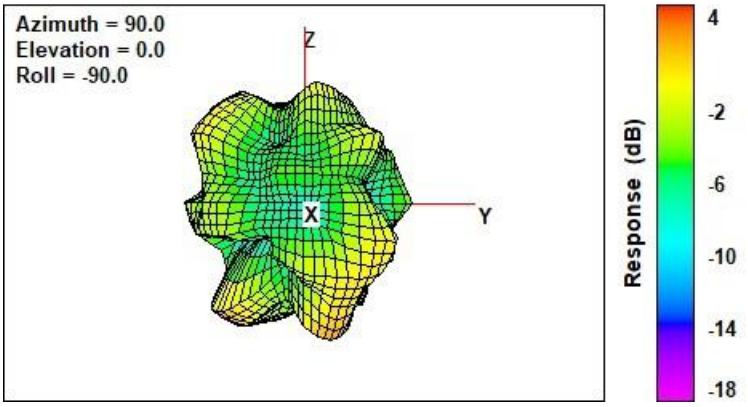

Free Space WLAN 5G 5725M