

4x4 MiMo 4G/5G Sharkfin Antenna

6001535/6001536

PANORAMA ANTENNAS



6001535/6001536

- 4x4 MiMo Sharkfin for 4G/5G
- L1/L5 GPS/GNSS with advanced filtering
- 4x WiFi elements covering WiFi 6e

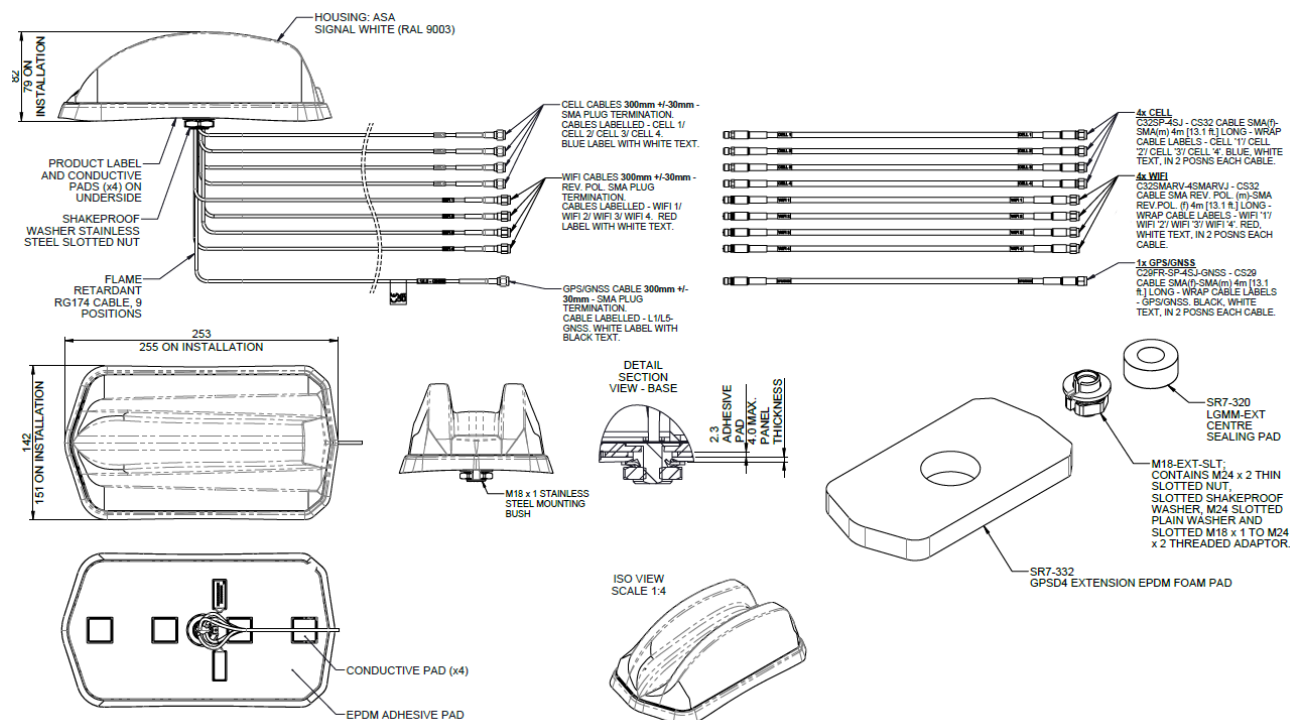
The 6001535 and 6001536 are advanced 4G/5G, GPS/GNSS and WiFi antennas with a dual sharkfin style housing. The housing contains a 4x4 MiMo antenna function for 4G/5G (617-960/1427-6000MHz), 4x WiFi elements covering WiFi 6e and an active L1/L5 GPS/GNSS antenna with advanced filtering for LTE Band 13/14 operation.

The antennas may be fitted on a non-metallic panel whilst still offering similar performance.

The dual fin design provides multiple antenna functions while remaining discreet and is suitable for public safety (overt/covert), industrial and transport applications, where a cost-effective, efficient and robust antenna is essential. Requiring only a single hole mounting, the antenna reduces vehicle damage, installation time, cost and visual impact whilst protecting a vehicle's resale value.

Technical Drawing

6001536 Shown

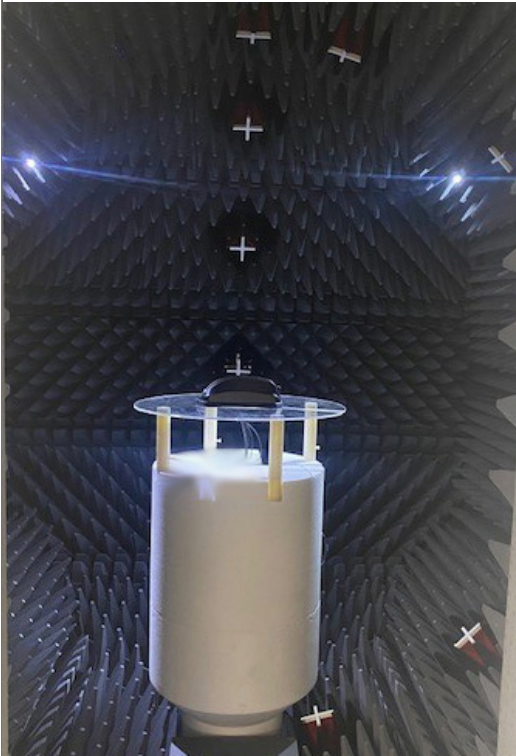


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Electrical Data Free
Space - Cell

Measurement Conditions	4G/5G Antennas				
Measured in free space without additional cable	Frequency Range (MHz)	LTE Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	617-698	71	Cell A	2.6	50
			Cell B	0.8	49
			Cell C	2.5	55
			Cell D	0.7	52
	699-798	12, 13, 14 17, 28	Cell A	3.2	63
			Cell B	2.8	59
			Cell C	3.2	66
			Cell D	2.4	64
	807- 862	5, 19, 20, 26, 27	Cell A	3.7	70
			Cell B	3.5	72
			Cell C	3.3	71
			Cell D	3.5	71
	880-960	8	Cell A	3.9	67
			Cell B	3.7	68
			Cell C	3.6	67
			Cell D	3.5	67
	1427-1518	11, 21, 74, 75, 76	Cell A	5.2	84
			Cell B	4.1	76
			Cell C	4.9	83
			Cell D	4.6	82
	1710-1920	2, 3, 4, 9, 25, 35, 39, 66	Cell A	5.4	65
			Cell B	4.8	59
			Cell C	5.1	68
			Cell D	4.7	67
	1920-2170	1, 23	Cell A	4.6	59
			Cell B	3.9	54
			Cell C	4.6	64
			Cell D	4.6	68
	2300-2400	30, 40	Cell A	4.6	66
			Cell B	4.2	67
			Cell C	4.4	63
			Cell D	4.6	72
	2496-2690	7, 38, 41	Cell A	6.1	70
			Cell B	5.2	56
			Cell C	4.5	60
			Cell D	4.7	65
	3300-4200	22, 42, 43, 48, 77, 78	Cell A	6.4	56
			Cell B	5.2	51
			Cell C	6.2	57
			Cell D	5.9	60
	4400-5000	79	Cell A	6.7	59
			Cell B	4.5	55
			Cell C	5.8	64
			Cell D	6.6	64
	5000-6000	96, 102, 104	Cell A	6.5	50
			Cell B	4.6	47
			Cell C	5.8	56
			Cell D	6.4	56

4x4 MiMo 4G/5G Sharkfin Antenna

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PANORAMA ANTENNAS

Electrical Data Free
Space- WiFi

Measurement Conditions	4G/5G Antennas				
Measured in free space without additional cable	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 1	3.2	53
			WiFi 2	4.3	59
			WiFi 3	2.3	48
			WiFi 4	2.8	53
	5150-5250	UNII-1	WiFi 1	6.0	56
			WiFi 2	5.6	57
			WiFi 3	6.6	58
			WiFi 4	6.5	56
	5250-5350	UNII-2A	WiFi 1	6.3	57
			WiFi 2	5.9	57
			WiFi 3	6.9	61
			WiFi 4	6.7	60
	5350-5470	UNII-2B	WiFi 1	6.0	50
			WiFi 2	5.8	54
			WiFi 3	7.2	61
			WiFi 4	6.6	59
	5470-5725	UNII-2C	WiFi 1	5.1	41
			WiFi 2	5.0	44
			WiFi 3	7.2	54
			WiFi 4	6.1	53
	5725-5850	UNII-3	WiFi 1	4.2	38
			WiFi 2	5.0	43
			WiFi 3	5.5	50
			WiFi 4	5.7	48
	5850-5925	UNII-4	WiFi 1	2.5	31
			WiFi 2	3.8	35
			WiFi 3	4.1	38
			WiFi 4	4.2	40
	5925-6425	UNII-5	WiFi 1	4.2	35
			WiFi 2	4.5	45
			WiFi 3	5.6	52
			WiFi 4	5.7	53
	6425-6525	UNII-6	WiFi 1	4.4	52
			WiFi 2	4.6	56
			WiFi 3	5.2	58
			WiFi 4	5.4	57
	6525-6875	UNII-7	WiFi 1	5.3	52
			WiFi 2	4.7	52
			WiFi 3	5.0	55
			WiFi 4	6.2	55
	6875-7125	UNII-8	WiFi 1	5.2	47
			WiFi 2	4.7	43
			WiFi 3	4.6	46
			WiFi 4	5.9	46