

WIFI Antenna

SZ3144A – 2400-2500 / 5150-7125MHz



ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications

Antenna type	Nominal Impedance	Polarization	Radiation pattern
monopole	50Ω	Linear	Omni

Frequency	2400-2500 MHz	5150-7125 MHz
S11	<-8 dB	<-8 dB
Gain	<3dBi	<5dBi
Efficiency	>40%	>30%

MECHANICAL SPECIFICATIONS

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Dimension (Radiator) (Length x Width x Height)	Color	Cable OD	Connector Type	Cable length
39.70* 10.25*0.13 mm	Black	1.13mm	IPEX MHF 4L	120mm

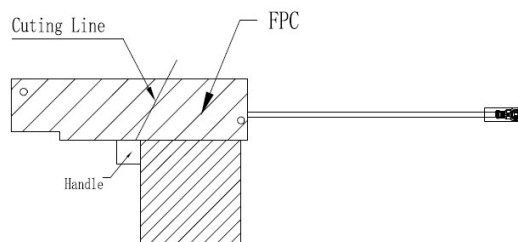
ENVIRONMENTAL SPECIFICATIONS

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Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40/+85° C	-40/+85° C	N/A	Yes

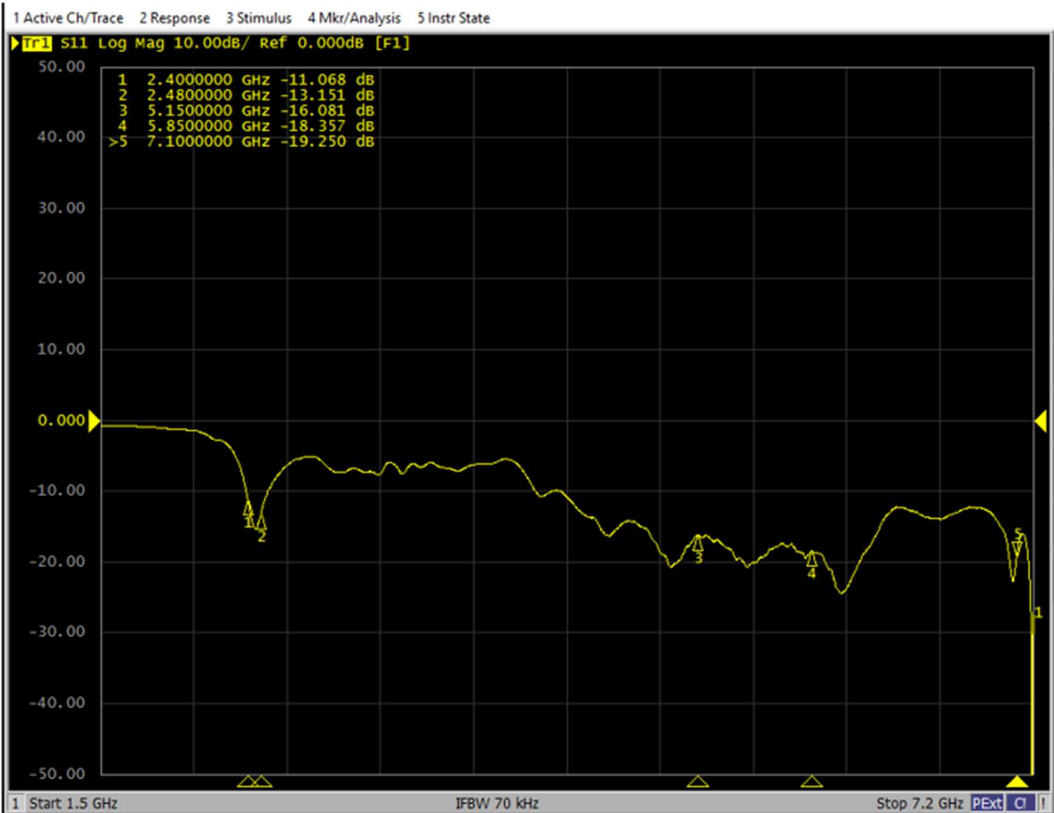
Notes:

1. Storage Temperature: -40°C to 80°C



6	HEAT SHRINK TUBING	HEAT SHRINK TUBING	1
5	Copper Foil	19.50 * 16.30 *T0.08 mm	1
4	FPC	39.70* 10.25*T0.13 mm	1
3	Black Tube	5mm Black Tube	1
2	CABLE	Ø 1.13mm LL Black, L=120mm	1
1	CONNECTOR	IPEX MHF4L (20565)	1
ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY

Units: mm



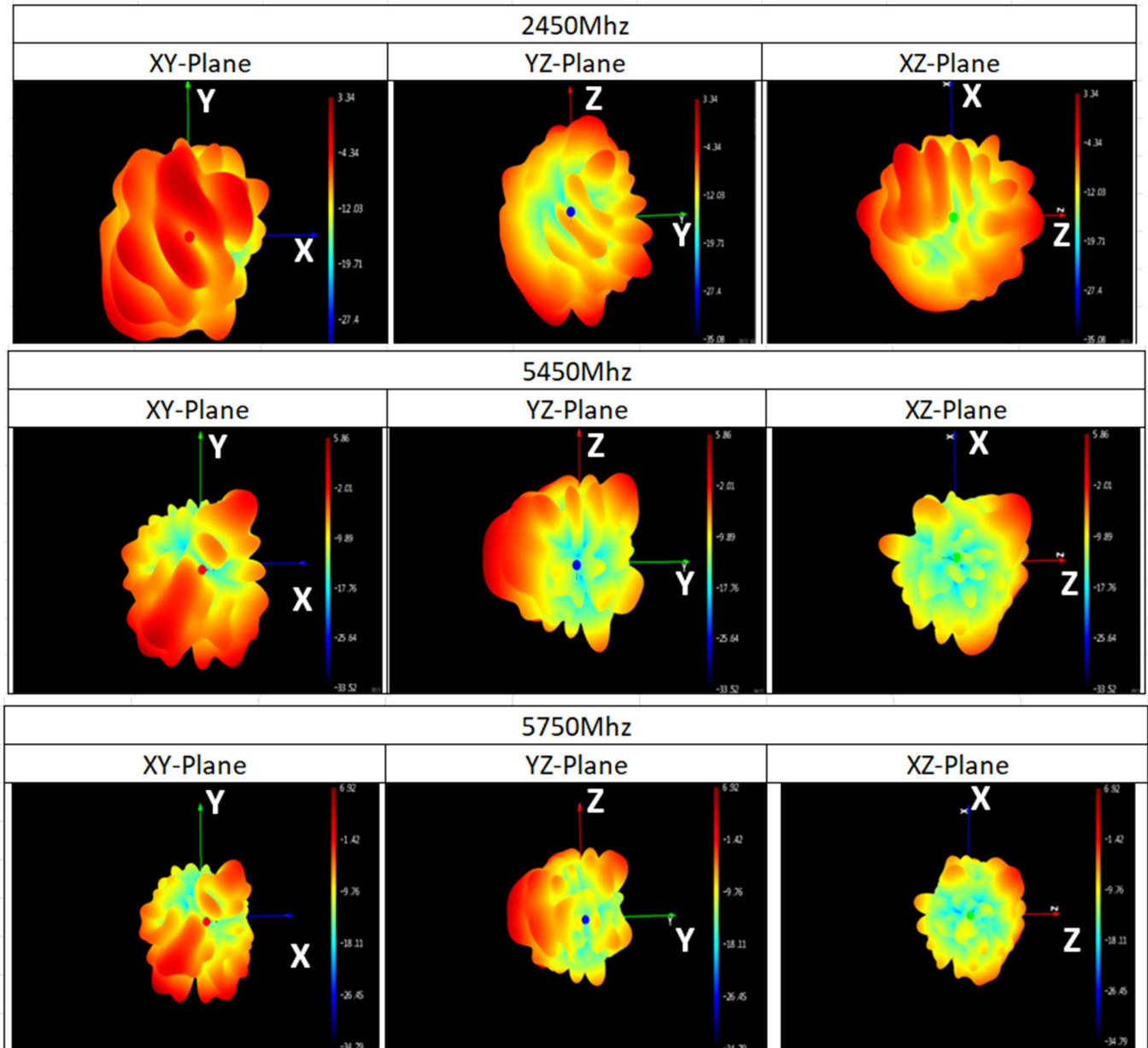
S11

Performance

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Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)		Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	2.72	-4.28	37.33		6000	3.75	-4.6	34.69
2410	2.7	-4.19	38.11		6050	3.98	-5.09	31
2420	2.78	-3.97	40.09		6100	3.82	-5.02	31.46
2430	2.75	-3.79	41.78		6150	3.93	-4.73	33.62
2440	2.57	-3.54	44.26		6200	3.09	-5.27	29.71
2450	2.38	-3.44	45.29		6250	3.57	-4.93	32.17
2460	2.37	-3.42	45.50		6300	4	-4.82	32.93
2470	1.98	-3.6	43.65		6350	3.7	-5.17	30.44
2480	1.61	-3.68	42.85		6400	3.43	-5.27	29.73
2490	2.7	-3.75	42.17		6450	3.99	-4.8	33.08
2500	2.26	-4.01	39.72		6500	4.02	-4.82	32.94
					6550	4.15	-4.6	34.7
5150	3.37	-3.71	42.56		6600	4.5	-3.97	40.11
5200	3.45	-3.66	43.05		6650	4.81	-3.71	42.58
5250	3.27	-3.74	42.25		6700	4.9	-3.43	45.36
5300	3.48	-3.71	42.54		6750	4.48	-4.02	39.6
5350	3.54	-3.76	42.09		6800	3.54	-4.46	35.82
5400	3.65	-3.71	42.57		6850	3.14	-4.42	36.13
5450	3.39	-3.76	42.12		6900	2.78	-4.35	36.74
5500	3.23	-3.75	42.19		6950	2.53	-4.23	37.71
5550	3.08	-3.95	40.24		7000	1.76	-4.76	33.39
5600	3.48	-3.74	42.26		7050	2.29	-4.6	34.71
5650	2.89	-3.96	40.2		7100	2.38	-4.53	35.26
5700	3.31	-3.97	40.1		7150	1.97	-4.91	32.31
5750	3.59	-4.16	38.35					
5800	3.49	-3.96	40.22					
5850	3.5	-4.23	37.75					
5900	3.29	-4.47	35.75					
5950	3.33	-4.33	36.93					

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For More Information:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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