

Features & Applications:

- Body Camera

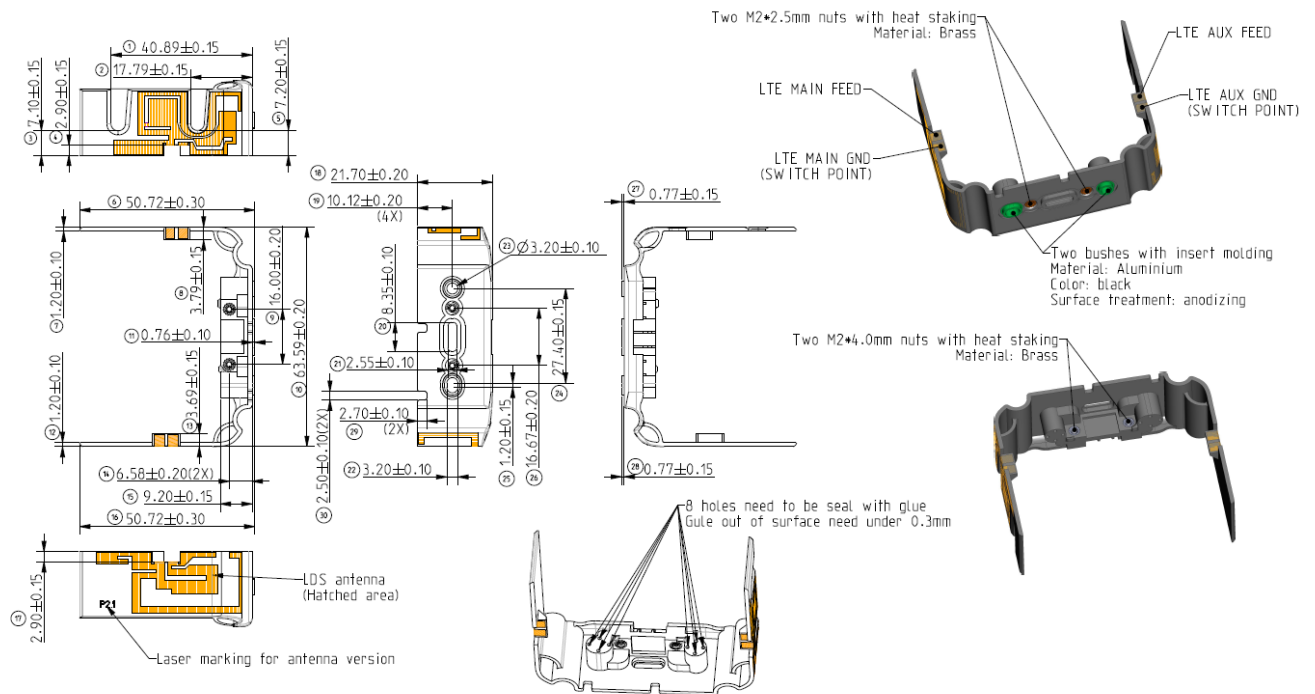
ELECTRICAL SPECIFICATIONS @ 25°C				
General Specifications				
Antenna type	Nominal Impedance	Polarization	Radiation pattern	
PIFA	50Ω	Vertical	Omni	
Frequency (MHz)	699MHz~960MHz. 1710MHz~2690MHz			
Return Loss	699~960MHz≤ -3dB 1710~2690MHz≤ -5dB			
Efficiency (dB)	699MHz~960MHz ≤ -9 dB 1710MHz~2690MHz≤ -5 dB			
MECHANICAL SPECIFICATIONS				
SZ31545				
Dimension (Length x Width x Height)	Antenna Type	Plating Spec	Material of Plastic	Weight
63.6mm*50.7mm*21.7mm	LDS	Cu 12-16um, Ni 2-4um, Au Min0.05um	PC, SABIC DX11355	7.5 g
ENVIRONMENTAL SPECIFICATIONS				
SZ31545				
Operating Temperature	Storage Temperature		RoHS Compliant	
-30 / +80° C	-30 / +80° C		Yes	

ELITE LTE ANTENNA

SZ31545

MECHANICAL DRAWING

SZ31545



Dimension Unit: mm

ELITE LTE ANTENNA
SZ31545

Device 3D Picture

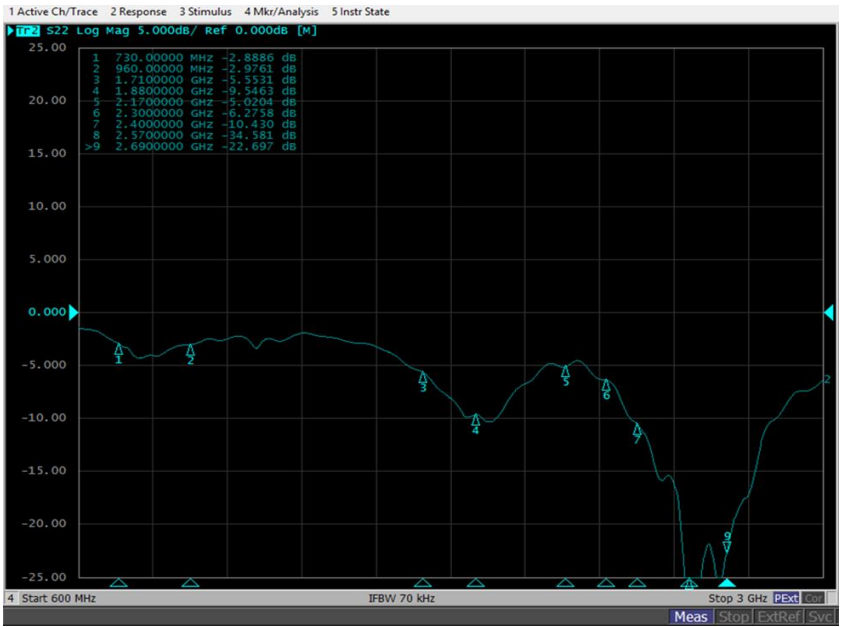
SZ31545



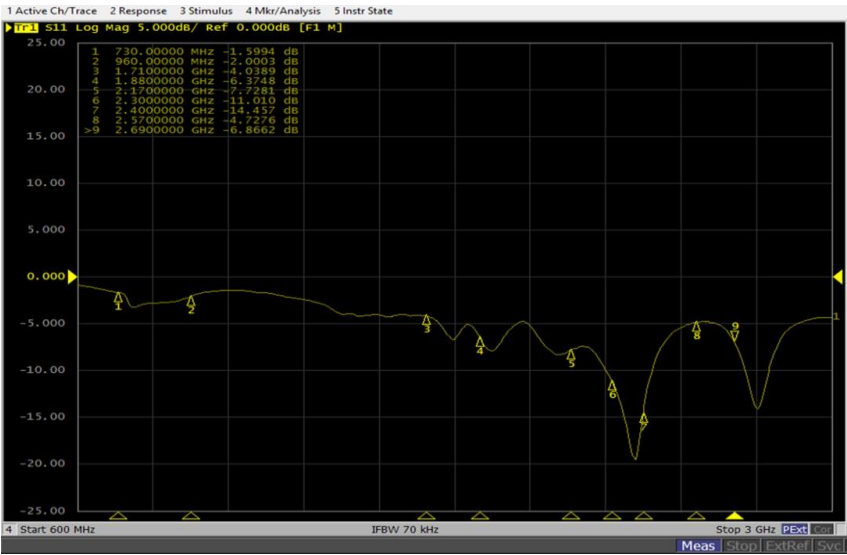
Charts- Antenna Return Loss

SZ3154C

LTE MAIN



LTE AUX



Charts- Antenna Efficiency (dB)

SZ31545

LTE MAIN

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
690	-4.83	-9.46	11.32	1710	0.98	-5.27	29.69
700	-4.43	-9.1	12.31	1730	1.35	-4.82	32.93
710	-3.82	-8.6	13.81	1750	2.45	-4.46	35.77
720	-3.64	-8.34	14.64	1770	3.04	-4.03	39.57
730	-3.27	-7.94	16.07	1790	3.43	-3.94	40.37
740	-3.35	-7.91	16.17	1810	3.82	-3.95	40.27
750	-3.57	-7.59	17.43	1830	3.29	-4.14	38.53
760	-1.89	-6.77	21.04	1850	2.49	-4.1	38.87
770	-1.1	-6.38	23.03	1870	1.62	-4.19	38.11
780	-1.39	-6.39	22.94	1890	1.02	-4.19	38.12
790	-1.4	-6.37	23.04	1910	1.11	-4.32	36.97
800	-1.45	-6.51	22.32	1930	1.11	-4.36	36.63
810	-1.12	-6.51	22.32	1950	1.84	-4.06	39.22
820	-0.92	-6.19	24.05	1970	2.28	-3.77	41.93
830	-1.13	-6.15	24.25	1990	3.17	-3.52	44.44
840	-1.14	-5.98	25.23	2010	3.43	-3.75	42.21
850	-1.18	-6.07	24.73	2030	3.35	-3.97	40.12
860	-1.31	-6.17	24.17	2050	3.22	-4.47	35.74
870	-1.55	-6.51	22.32	2070	2.7	-4.81	33
880	-1.93	-6.8	20.89	2090	2.53	-4.83	32.92
890	-2.4	-6.98	20.03	2110	2.13	-4.92	32.18
900	-2.92	-7.35	18.4	2130	1.71	-5.06	31.21
910	-2.92	-7.48	17.88	2150	1.53	-5.1	30.9
920	-3.37	-7.97	15.94	2170	1.29	-5.22	30.07
930	-3.83	-8.34	14.64	2300	1.45	-3.43	45.36
940	-4.45	-8.86	13.01	2310	1.6	-3.38	45.95
950	-4.84	-9.17	12.09	2320	2.15	-3.2	47.86
960	-5	-9.68	10.77	2330	2.51	-3.23	47.57
				2340	2.82	-3.18	48.07
				2350	3.06	-3.19	47.93
				2360	3.24	-3.26	47.26
				2370	3.77	-3.16	48.27
				2380	4.31	-3.15	48.41
				2390	4.62	-3.13	48.7
				2400	4.87	-3.13	48.59
				2500	5.35	-2.97	50.5
				2520	5.45	-2.38	57.88
				2540	5.48	-1.91	64.41
				2560	5.41	-1.81	65.9
				2580	5.1	-1.81	65.87
				2600	4.88	-1.86	65.23
				2620	4.54	-2.04	62.48
				2640	5.12	-1.84	65.41
				2660	6.1	-1.54	70.07
				2680	6.77	-1.69	67.7
				2690	7.08	-1.7	67.64

LTE AUX

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
690	-6.63	-12.67	5.41	1710	2.09	-4.28	37.29
700	-6.27	-12.36	5.8	1730	1.13	-4.05	39.32
710	-5.69	-11.93	6.41	1750	1.65	-4.12	38.71
720	-5.61	-11.83	6.57	1770	1.38	-4.36	36.61
730	-5.39	-11.69	6.78	1790	1.24	-4.47	35.69
740	-5.83	-12.16	6.08	1810	1.54	-4.64	34.35
750	-5.49	-11.96	6.36	1830	0.68	-5.4	28.86
760	-2.54	-9.2	12.02	1850	1.45	-5.36	29.09
770	-0.9	-7.74	16.83	1870	2.34	-4.21	37.97
780	-1.05	-7.68	17.04	1890	3.41	-3.12	48.8
790	-1.18	-7.85	16.39	1910	3.6	-2.87	51.62
800	-1.46	-8.24	15	1930	3.22	-3.04	49.68
810	-1.47	-8.43	14.37	1950	3.31	-3.06	49.48
820	-1.72	-8.19	15.18	1970	3.1	-3.23	47.5
830	-2.25	-8.14	15.35	1990	2.88	-3.5	44.72
840	-2.33	-7.78	16.68	2010	2.39	-4.04	39.49
850	-2.3	-7.79	16.63	2030	2.33	-4.15	38.48
860	-2.21	-7.51	17.75	2050	3.19	-3.9	40.71
870	-2.08	-7.45	18.01	2070	4.31	-3.3	46.82
880	-2	-7.32	18.52	2090	5.51	-2.66	54.24
890	-2.5	-7.37	18.33	2110	5.92	-2.28	59.1
900	-2.91	-7.61	17.33	2130	5.76	-2.15	61.01
910	-2.76	-7.64	17.24	2150	5.58	-2.18	60.6
920	-2.82	-8.09	15.51	2170	5.15	-2.29	59.05
930	-2.96	-8.52	14.05	2300	7.04	-1.24	75.22
940	-3.68	-9.25	11.89	2310	7.04	-1.24	75.18
950	-4.46	-9.79	10.49	2320	7.26	-1.12	77.26
960	-5.31	-10.64	8.63	2330	7.36	-1.17	76.43
				2340	7.36	-1.14	76.97
				2350	7.27	-1.18	76.28
				2360	7.19	-1.18	76.13
				2370	6.89	-1.3	74.05
				2380	6.52	-1.42	72.16
				2390	5.77	-1.71	67.43
				2400	5.1	-1.94	64.03
				2500	2.14	-5.44	28.6
				2520	2.35	-5.68	27.03
				2540	1.88	-5.76	26.54
				2560	1.61	-5.44	28.6
				2580	1.62	-5.25	29.86
				2600	0.96	-4.98	31.79
				2620	0.25	-4.9	32.36
				2640	-0.19	-4.54	35.19
				2660	0.37	-3.85	41.17
				2680	0.95	-3.51	44.57
				2690	1.04	-3.73	42.36

For more information

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