

EMI test

Common Information

Test Description:

EUT Description:

Test Site: VELUX Radiated Chamber

Test Standard:

Operator Name:

Comment:

OTA Auto Test Template: OTA Test 2.4GHz

OTA Test Method: Antenna Measurement

Hardware Setup: OTA Measurements\OTA Setup

TX: Zero-Span Max Peak, Resolution Bandwidth = 100 kHz

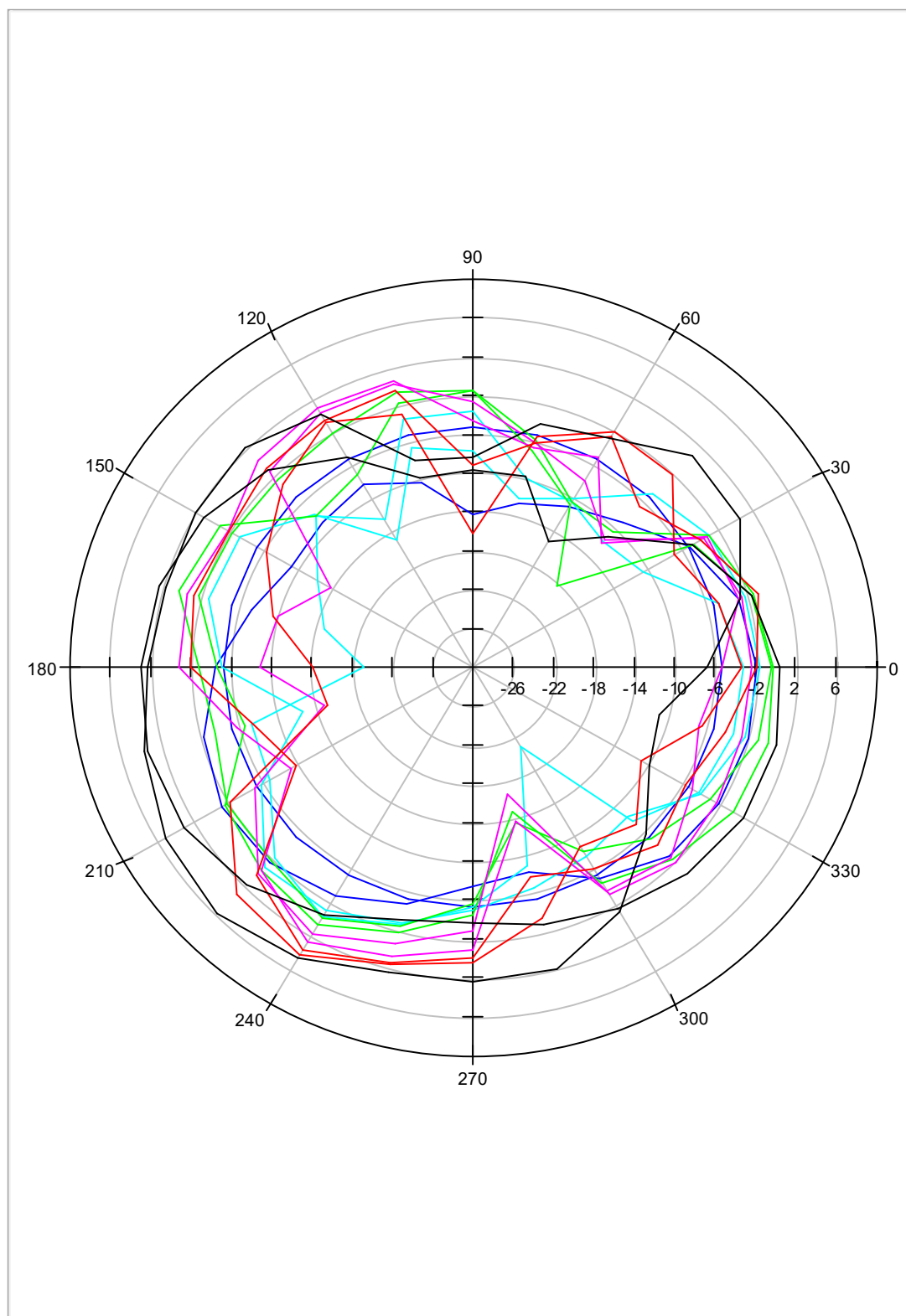
Polarization = Theta,Phi; Azimuth = 0 - (15) - 345 deg; Elevation = 0 - (15) - 165 deg

Frequency: 2450.011 MHz - 2450.011 MHz

No measurements defined

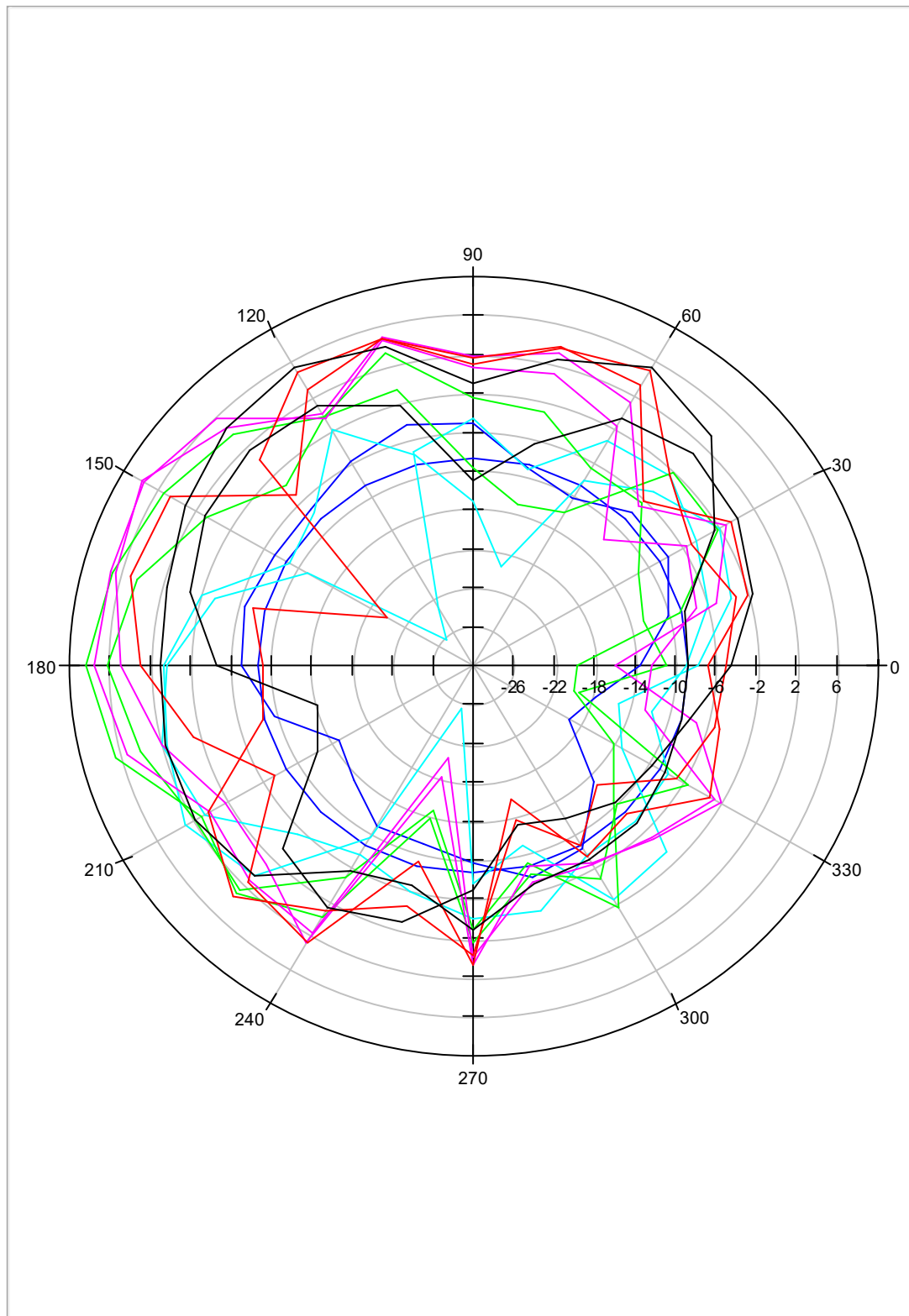
RP_2450.011_phi

RP_2450.011_phi



RP_2450.011_theta

RP_2450.011_theta

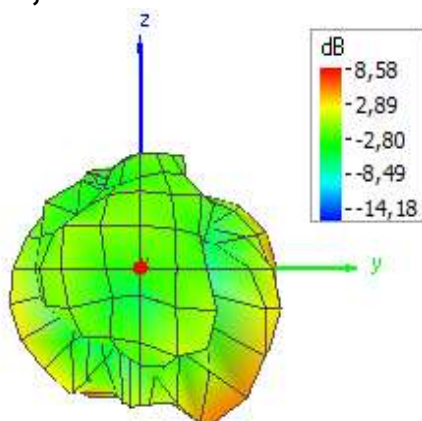
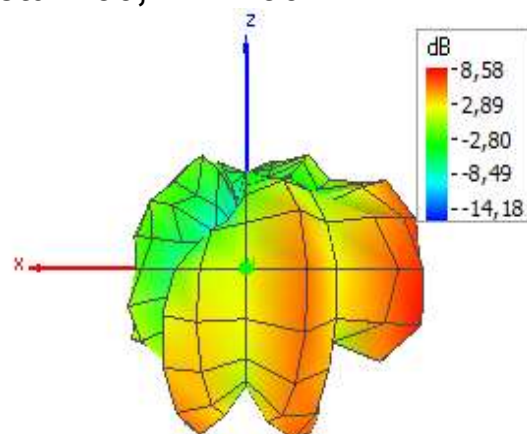
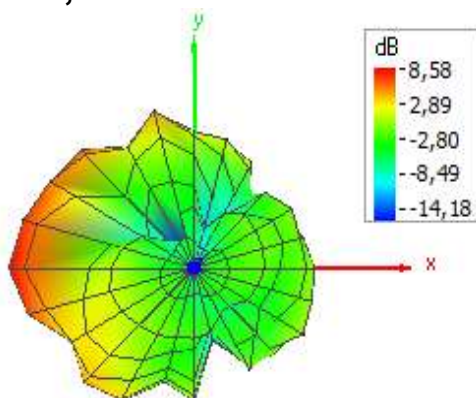
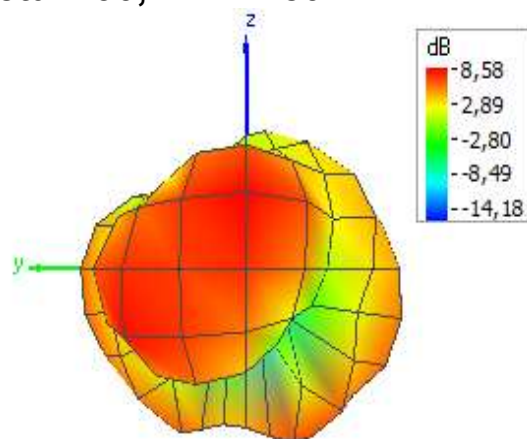
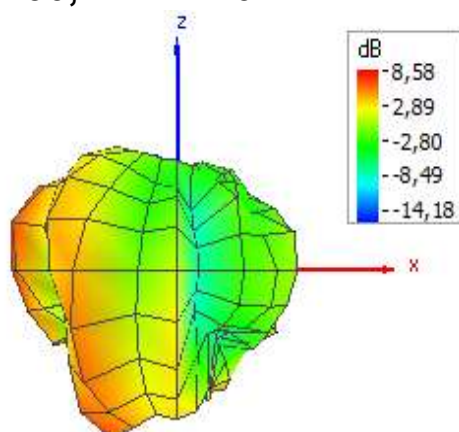


RP_2450.011_tot

Azimuth (deg)	Elevation 0 deg (dB)	Elevation 15 deg (dB)	Elevation 30 deg (dB)	Elevation 45 deg (dB)	Elevation 60 deg (dB)	Elevation 75 deg (dB)	Elevation 90 deg (dB)	Elevation 105 deg (dB)
0.00	-3.64	-1.58	-0.69	-1.88	-0.22	0.21	-1.92	-4.96
15.00	-3.64	-1.92	-0.49	-1.10	-0.63	-0.77	-1.14	-0.71
30.00	-3.64	-3.18	-0.58	-1.25	-0.16	-2.30	-1.35	1.06
45.00	-3.64	-5.29	-0.46	-4.01	-1.74	-4.92	-8.53	-5.59
60.00	-3.64	-7.54	-2.49	-5.96	-8.20	-5.08	-0.68	2.22
75.00	-3.64	-7.41	-7.30	-9.40	-5.94	-1.21	1.84	3.65
90.00	-3.64	-4.65	-2.92	-3.16	-0.90	1.03	2.34	2.66
105.00	-3.64	-3.38	-3.91	-2.04	1.80	4.80	6.04	6.32
120.00	-3.64	-3.87	-14.18	-1.65	0.45	1.77	2.82	3.36
135.00	-3.64	-4.99	-7.62	-4.85	-2.33	4.54	6.72	5.87
150.00	-3.64	-5.17	-2.60	-7.36	2.88	6.14	7.61	8.31
165.00	-3.64	-3.91	-0.11	-2.00	5.88	7.47	7.23	7.43
180.00	-3.64	-2.53	1.48	0.64	6.73	8.58	7.61	5.91
195.00	-3.64	-1.57	2.12	1.97	4.79	6.85	5.51	2.64
210.00	-3.64	-1.00	1.59	3.35	3.37	2.91	1.20	-0.96
225.00	-3.64	-1.11	0.51	2.51	4.05	4.70	3.67	2.28
240.00	-3.64	-2.14	-0.09	0.18	1.17	3.40	4.80	5.89
255.00	-3.64	-3.76	-0.98	-2.53	-2.09	-1.35	-0.38	0.92
270.00	-3.64	-5.34	-1.37	-3.18	-0.91	0.32	1.82	3.03
285.00	-3.64	-4.74	-1.94	-6.67	-7.55	-6.88	-6.51	-7.44
300.00	-3.64	-3.23	-4.43	-2.03	-0.35	-1.49	-1.32	-1.67
315.00	-3.64	-2.10	-4.65	-1.60	-3.80	-1.36	0.06	-0.19
330.00	-3.64	-1.80	-2.35	-3.55	-2.44	0.97	0.79	0.03
345.00	-3.64	-1.54	-1.48	-2.93	-0.67	0.45	-1.88	-3.88
360.00	-3.64	-1.58	-0.69	-1.88	-0.22	0.21	-1.92	-4.96

(continuation of the "RP_2450.011_tot" table from column 9 ...)

Azimuth (deg)	Elevation 120 deg (dB)	Elevation 135 deg (dB)	Elevation 150 deg (dB)	Elevation 165 deg (dB)
0.00	-0.57	-1.01	-4.65	1.72
15.00	1.84	-0.75	-1.51	1.74
30.00	1.15	-2.89	2.39	1.46
45.00	-3.38	0.81	5.32	1.05
60.00	4.28	5.75	6.09	-0.44
75.00	4.28	4.25	3.39	-4.67
90.00	1.97	0.99	-0.26	-7.24
105.00	5.96	5.50	4.15	-1.66
120.00	4.38	5.89	6.48	1.80
135.00	0.41	1.65	6.50	3.23
150.00	5.53	-6.09	5.40	3.79
165.00	6.08	-5.33	4.46	3.87
180.00	4.17	-7.89	4.69	3.73
195.00	-0.42	-7.54	5.83	3.47
210.00	-5.33	2.24	6.88	3.17
225.00	3.98	6.43	6.98	2.92
240.00	6.34	5.48	5.08	2.14
255.00	1.90	2.63	3.11	0.14
270.00	3.46	3.21	3.60	-1.97
285.00	-7.04	-2.76	2.70	-2.11
300.00	-3.56	-5.58	0.08	-0.80
315.00	-2.74	-5.95	-3.29	0.62
330.00	-1.06	-5.25	-5.77	1.45
345.00	-1.36	-2.82	-6.51	1.79
360.00	-0.57	-1.01	-4.65	1.72

Theta = 90, Phi = 0**Theta = 90, Phi = 90****Theta = 0, Phi = 0****Theta = 90, Phi = 180****Theta = 90, Phi = 270****Theta = 180, Phi = 0**