

	Volvo IHU 4.2 Mod01	
		Project:
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Content

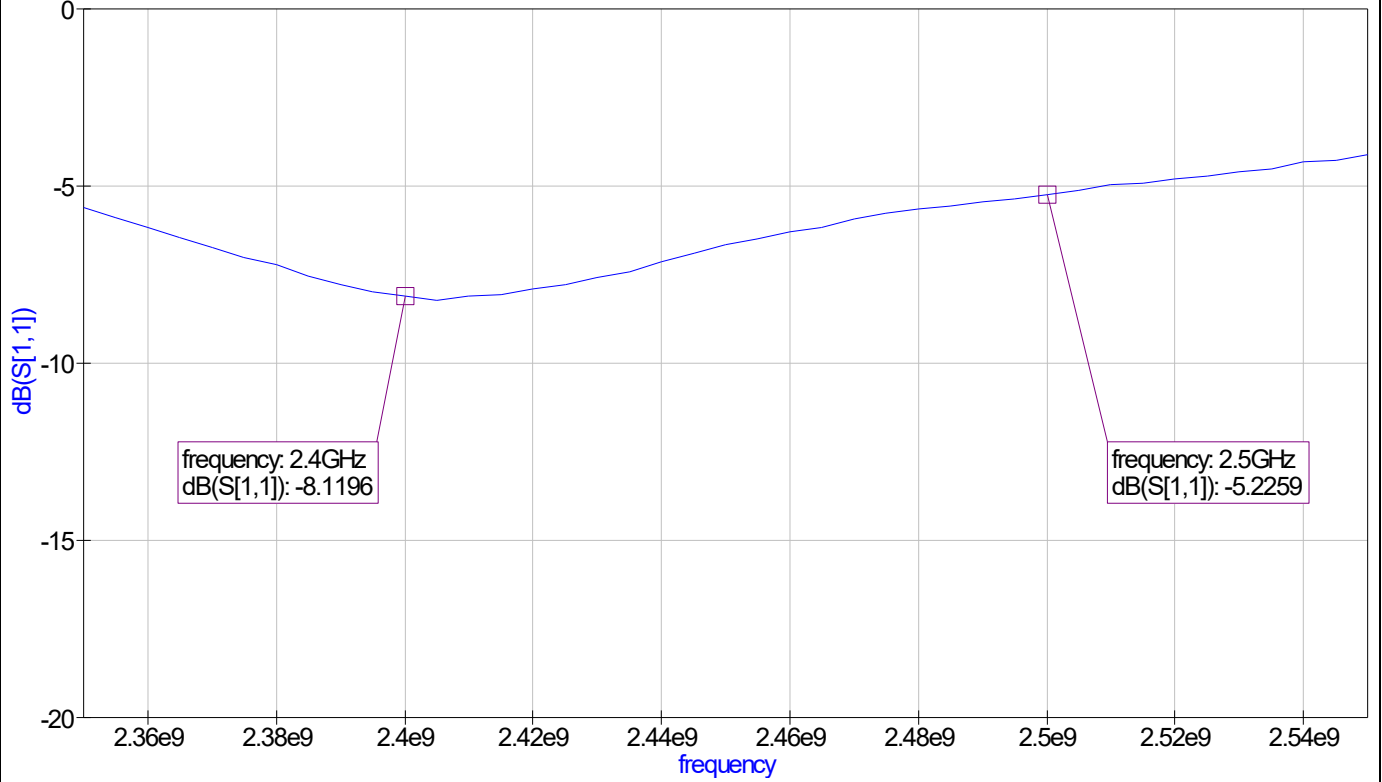
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Calibration

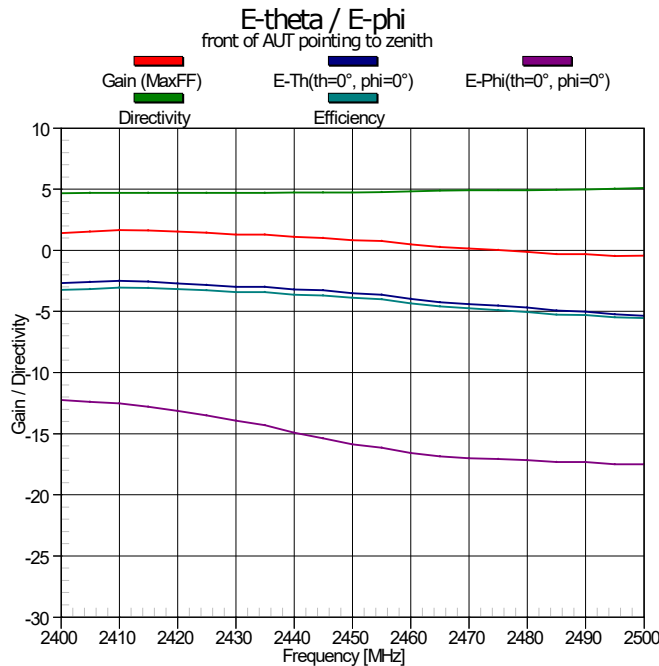
Method:	Gain Comparison
Reference Gain Table:	LogPerProbe03b_190821_0.58-6.20.ngt
Reference Measurement:	LogPerProbe03b_0cm_201007_0.58-6.20_wbEffMPblech_DUTr0p3m_m0p0dB.fgt
Network Offset:	0.25 dB (to compensate the cable loss of the short cable: antenna ⇒ housing, see Picture 2)

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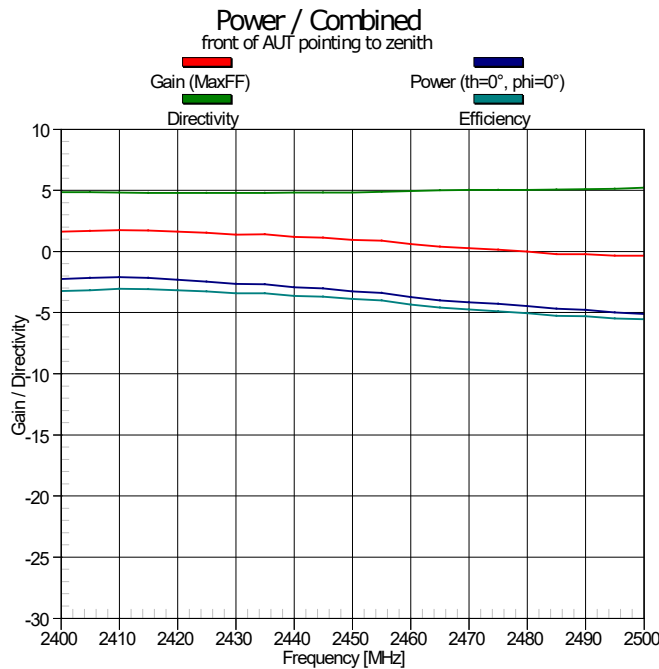
Reflection



Overview



Freq.	Gain MaxFF	Gain@ $\theta=0^\circ$ $\phi=0^\circ$	AR@ $\theta=0^\circ$ $\phi=0^\circ$	D	Eff.
2400	1.42	-2.7	-9.73	4.67	-3.25
2405	1.53	-2.6	-9.94	4.69	-3.17
2410	1.65	-2.51	-10.15	4.7	-3.06
2415	1.63	-2.56	-10.34	4.7	-3.07
2420	1.53	-2.7	-10.52	4.7	-3.17
2425	1.43	-2.84	-10.71	4.7	-3.27
2430	1.29	-2.99	-10.98	4.7	-3.41
2435	1.3	-2.99	-11.33	4.71	-3.41
2440	1.09	-3.2	-11.73	4.71	-3.62
2445	1.02	-3.28	-12.1	4.72	-3.7
2450	0.83	-3.5	-12.39	4.73	-3.9
2455	0.77	-3.62	-12.58	4.76	-4
2460	0.49	-3.97	-12.65	4.82	-4.33
2465	0.27	-4.24	-12.68	4.87	-4.6
2470	0.15	-4.39	-12.68	4.91	-4.76
2475	0.03	-4.52	-12.63	4.92	-4.89
2480	-0.13	-4.69	-12.56	4.92	-5.05
2485	-0.33	-4.93	-12.46	4.94	-5.27
2490	-0.33	-5.01	-12.36	4.97	-5.3
2495	-0.46	-5.25	-12.29	5.03	-5.48
2500	-0.44	-5.36	-12.17	5.1	-5.54

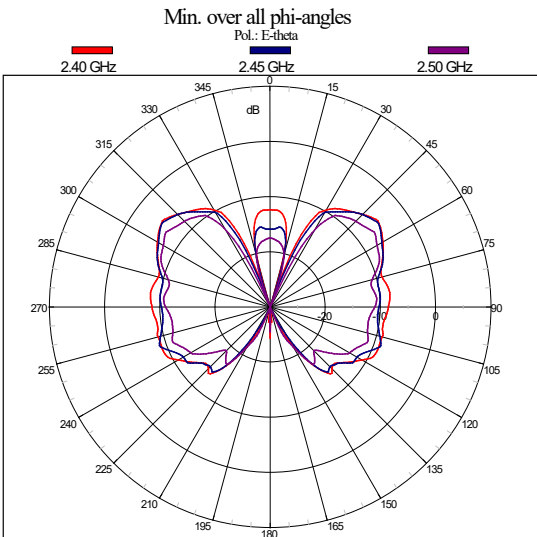
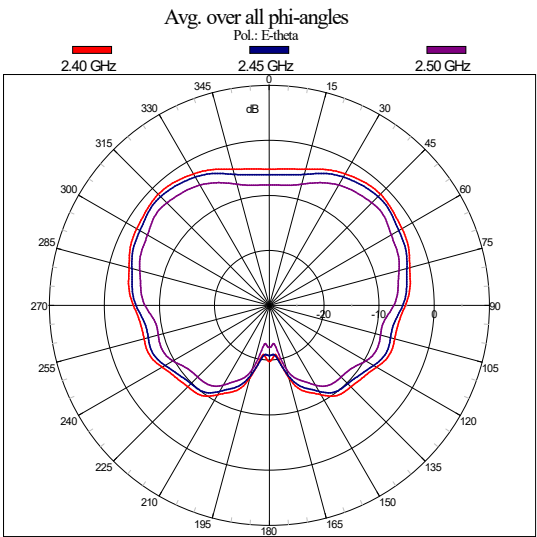


Freq.	Gain MaxFF	Gain@ $\theta=0^\circ$ $\phi=0^\circ$	AR@ $\theta=0^\circ$ $\phi=0^\circ$	D	Eff.
2400	1.61	-2.24	-300	4.86	-3.25
2405	1.67	-2.17	-300	4.84	-3.17
2410	1.75	-2.09	-300	4.81	-3.06
2415	1.72	-2.16	-300	4.8	-3.07
2420	1.62	-2.33	-300	4.79	-3.17
2425	1.51	-2.48	-300	4.79	-3.27
2430	1.38	-2.66	-300	4.79	-3.41
2435	1.39	-2.68	-300	4.8	-3.41
2440	1.19	-2.91	-300	4.81	-3.62
2445	1.12	-3.02	-300	4.82	-3.7
2450	0.93	-3.25	-300	4.83	-3.9
2455	0.87	-3.39	-300	4.87	-4
2460	0.6	-3.74	-300	4.93	-4.33
2465	0.39	-4.01	-300	4.99	-4.6
2470	0.27	-4.16	-300	5.03	-4.76
2475	0.15	-4.29	-300	5.05	-4.89
2480	0	-4.45	-300	5.05	-5.05
2485	-0.21	-4.69	-300	5.06	-5.27
2490	-0.21	-4.76	-300	5.09	-5.3
2495	-0.34	-5	-300	5.14	-5.48
2500	-0.33	-5.1	-300	5.21	-5.54

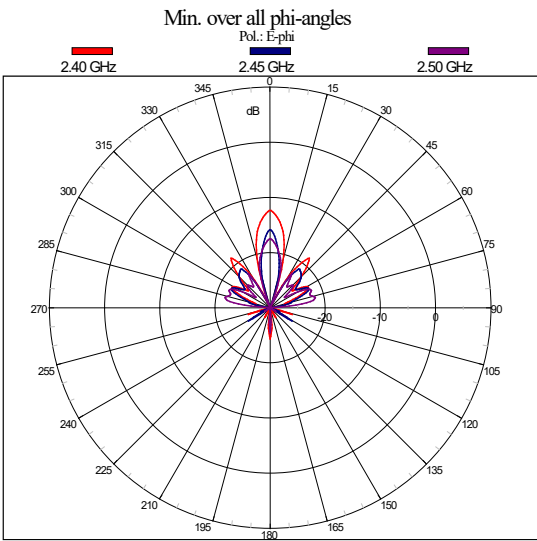
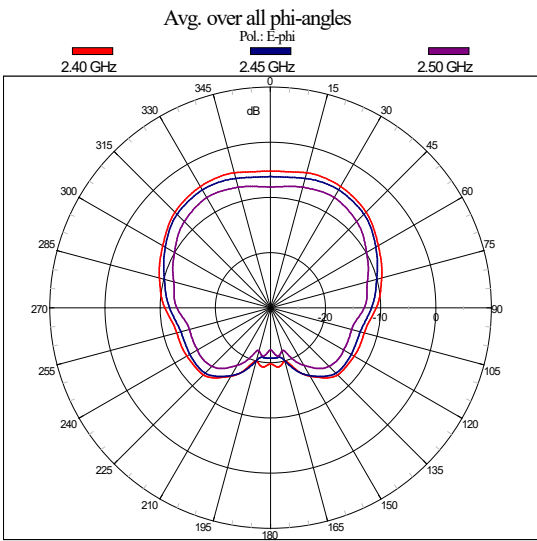
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Radiation Pattern – Statistical Curves

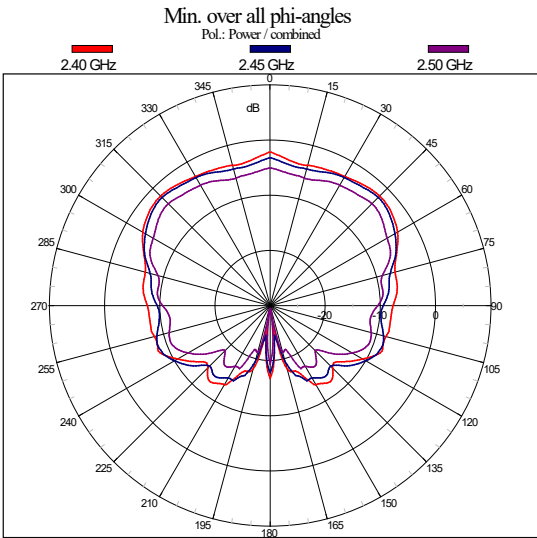
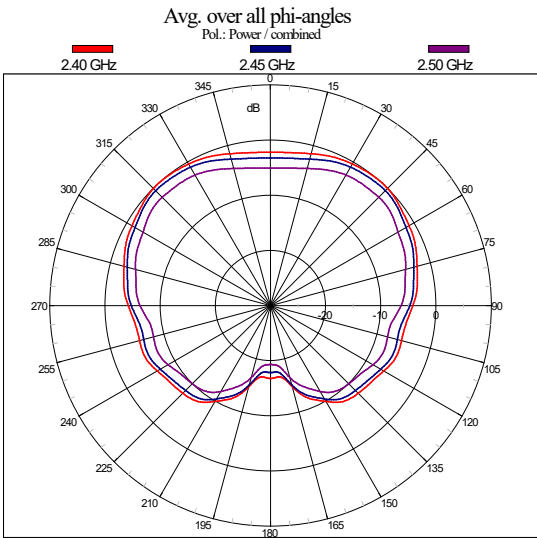
E-Theta



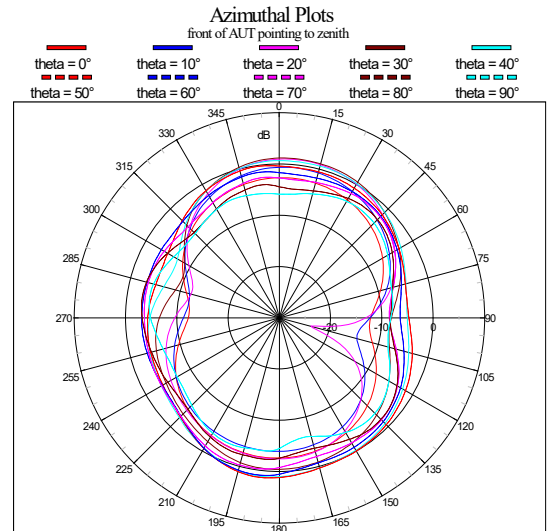
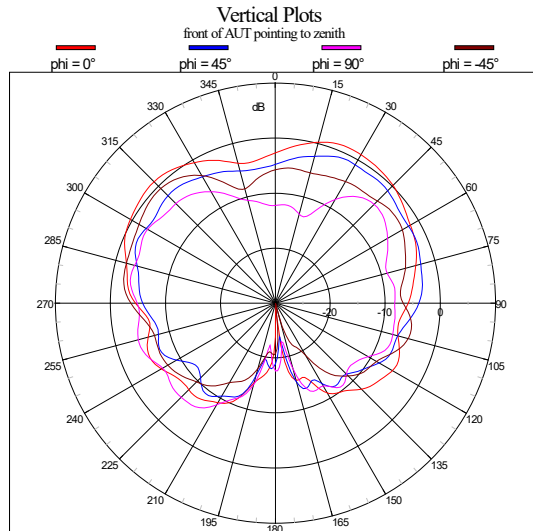
E-Phi



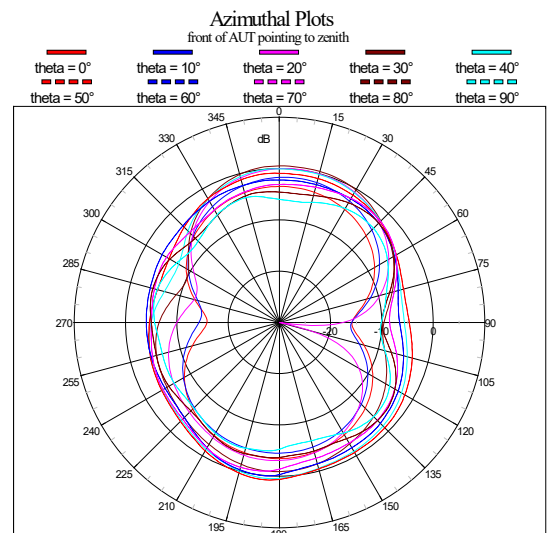
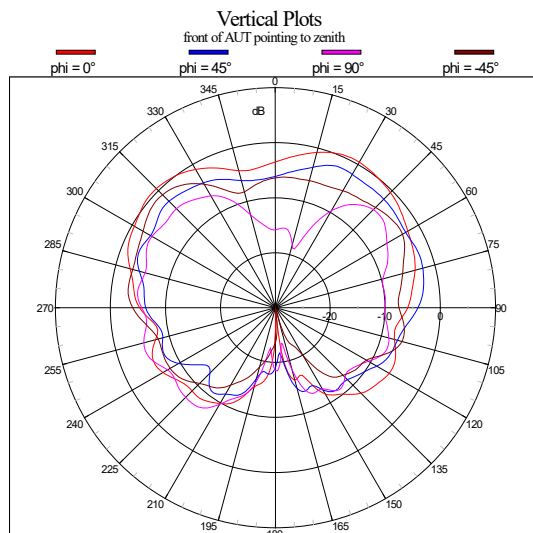
Power / Combined



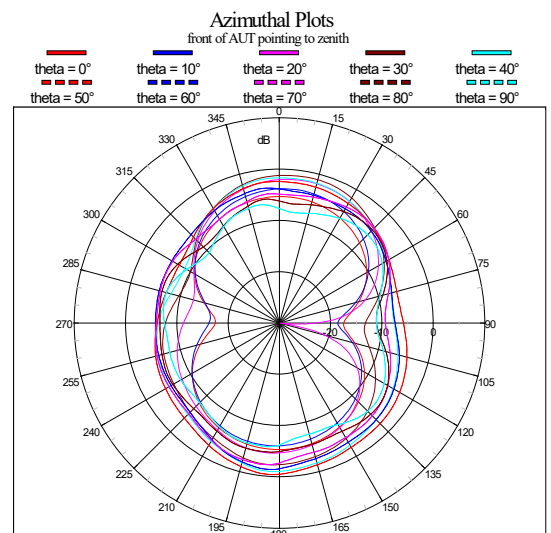
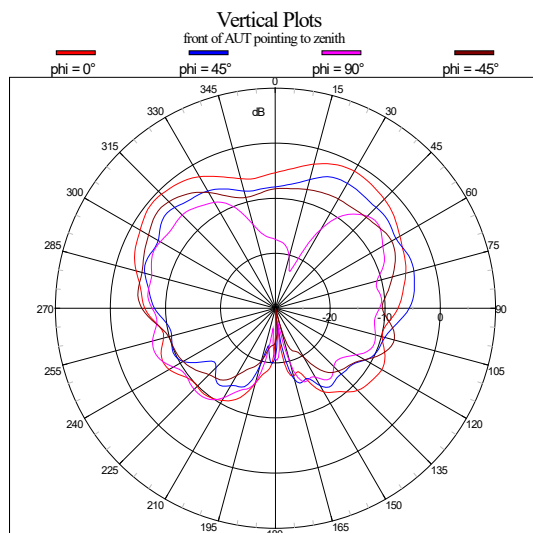
2.400 GHz



2.450 GHz

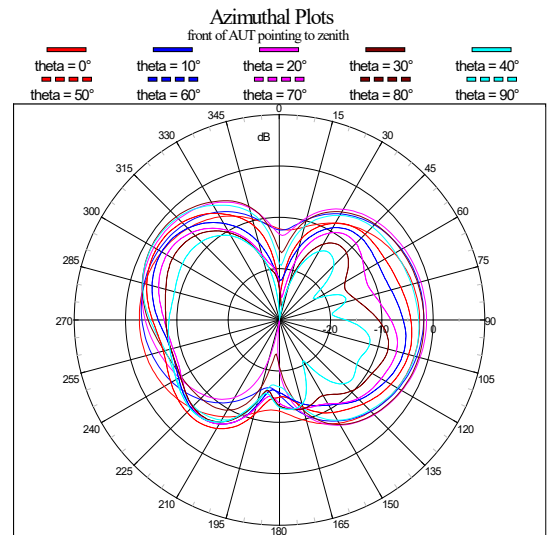
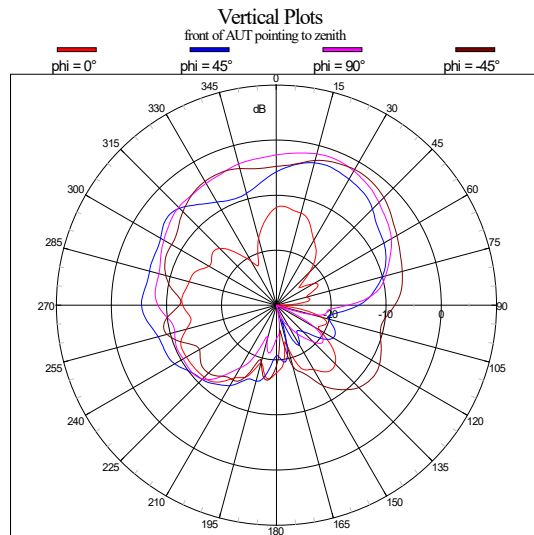


2.500 GHz

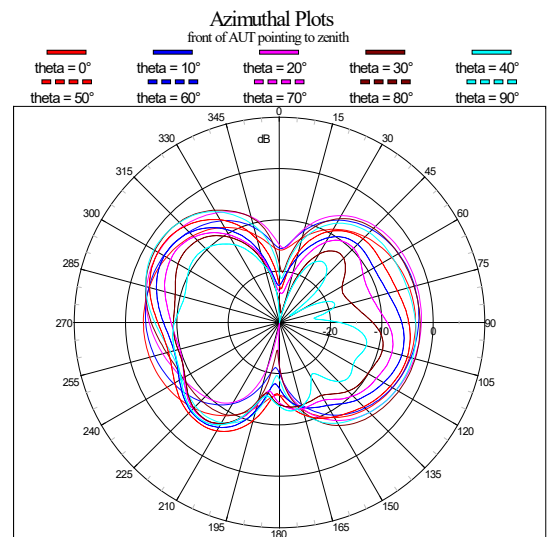
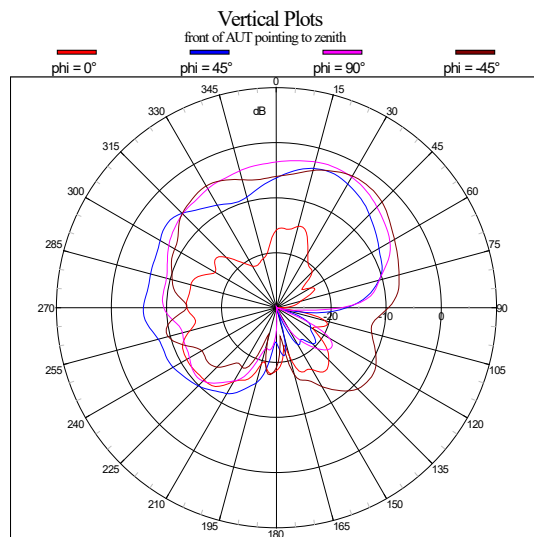


E-Phi

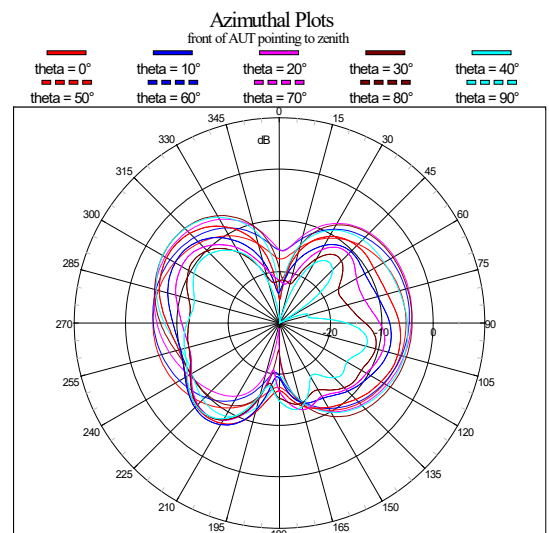
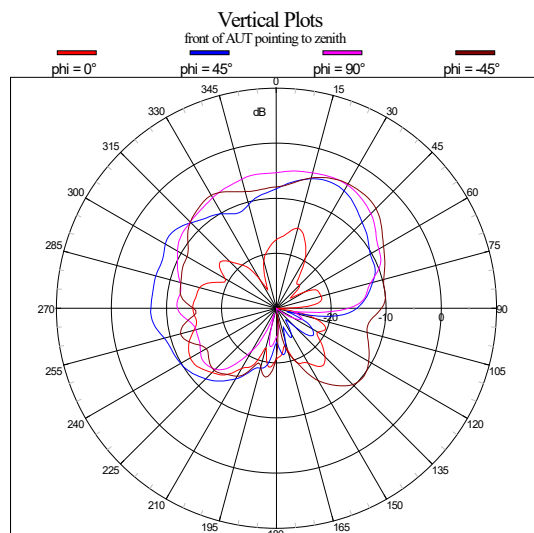
2.400 GHz



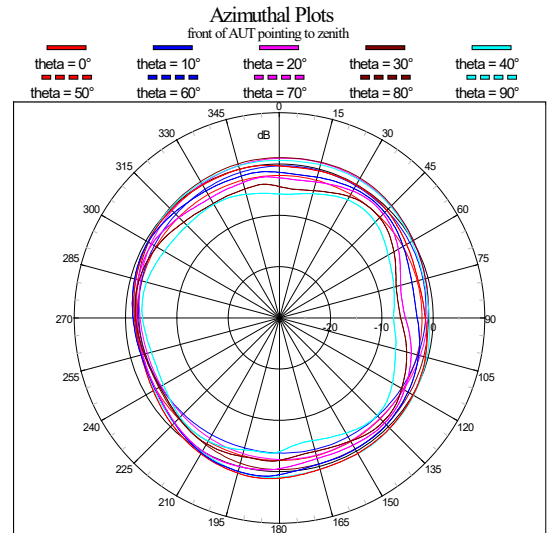
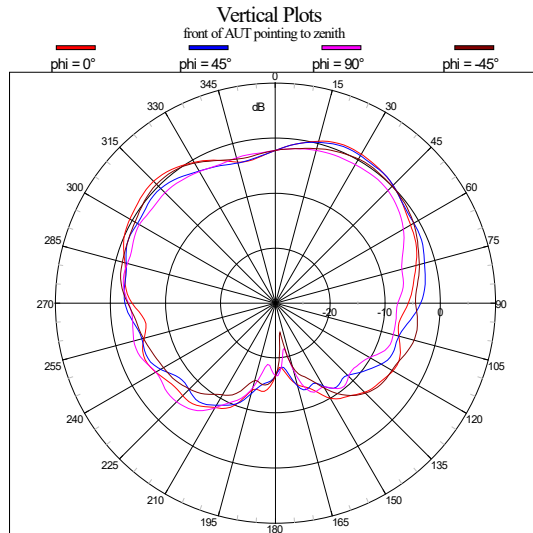
2.450 GHz



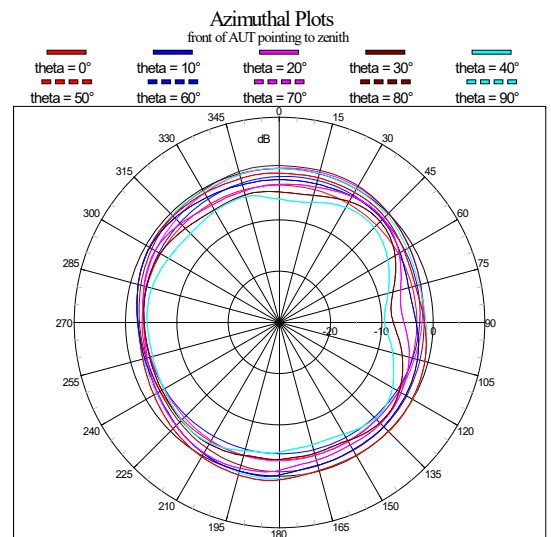
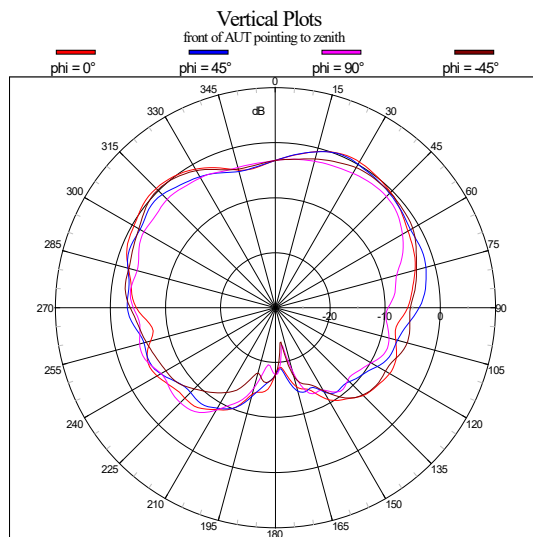
2.500 GHz



2.400 GHz



2.450 GHz



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