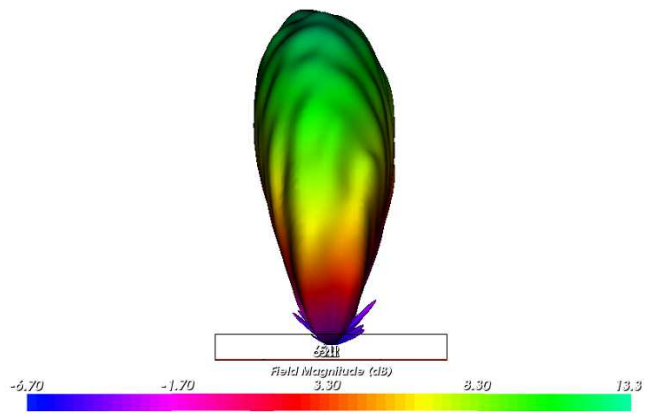
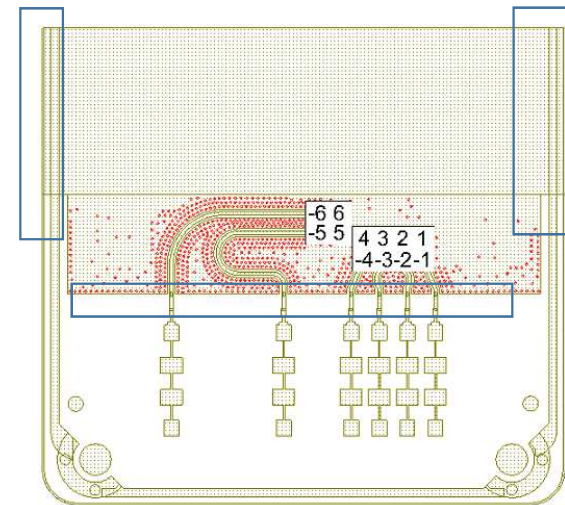


ARS-SA07_77_81G
MT77 patch
1x4_0106
Simulation Result



ARS-SA07_77_81G MT77 patch 1x4

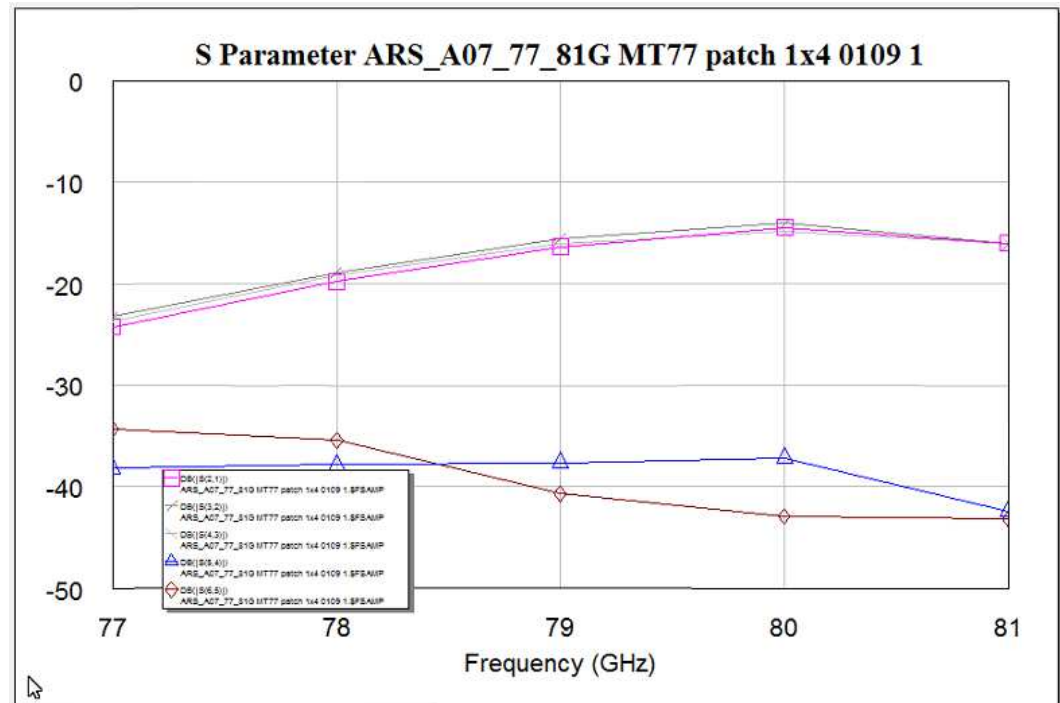
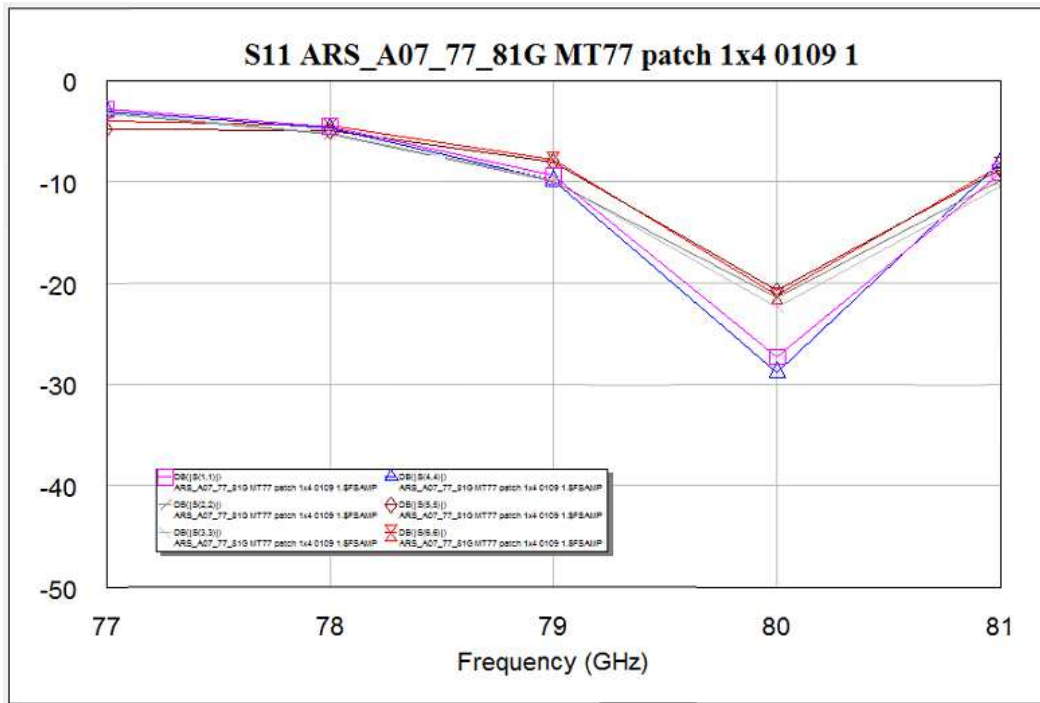
- Manufacturer: Alpha Networks Inc.
- Manufacturer address: No. 8, Li-Hsin 7th Rd., Hsinchu Science Park, Hsinchu 300094, Taiwan, R.O.C.
- substrate Material
 - MT77
 - Thickness= 0.127mm
 - $\epsilon_r=2.89$
- Antenna Type: Patch Antenna



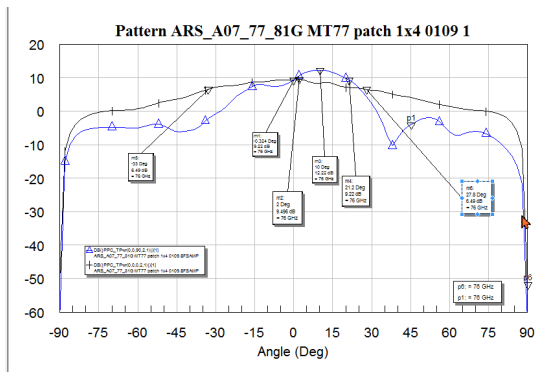
Antenna Table

		76GHz		77GHz		78GHz		79GHz		80GHz		81GHz	
		Peak(dBi)	HPBW(deg)	Peak(dBi)	HPBW(deg)	Peak(dBi)	HPBW(deg)	Peak(dBi)	HPBW(deg)	Peak(dBi)	HPBW(deg)	Peak(dBi)	HPBW(deg)
P1	H	9.49	60.8	12.32	54	12.32	69.7	12.98	75	12.83	84.2	12.92	91.2
	V	12.22	21.5	12.32	23.73	12.32	24.58	12.98	20.87	12.83	21.18	12.92	21.19
P2	H	9.04	64.9	12.36	55.5	12.96	66.8	12.66	87.2	12.13	106.9	11.63	124.1
	V	12.21	22.37	12.36	25.32	12.96	22.64	12.66	20.72	12.13	20.77	11.63	21.73
P3	H	12.44	59.8	12.4	54.9	12.91	63.9	12.58	88	12.2	105.3	11.79	113.1
	V	9.62	22.4	12.4	26.22	12.91	23.34	12.58	22.01	12.2	21.29	11.79	21.6
P4	H	9.62	49.8	12.35	52.6	12.68	66.4	12.65	77.2	12.88	85.1	12.9	90.3
	V	12.52	10.6	12.35	22.64	12.68	23.49	12.65	21.67	12.88	21.1	12.9	21.9
P5	H	8.6	105.3	11.09	57.3	12.07	80	12.6	71.7	12.76	71.3	12.9	70.4
	V	10.11	34.89	11.09	25.64	12.07	18.14	12.6	25.1	12.76	25.9	12.9	25.7
P6	H	8.81	67.3	11.6	86.7	12.3	66.1	12.71	77.3	13.32	49.4	13.2	87.5
	V	11.94	36.9	11.6	13.43	12.3	18.6	12.71	4.4	13.32	72.7	13.2	26.2

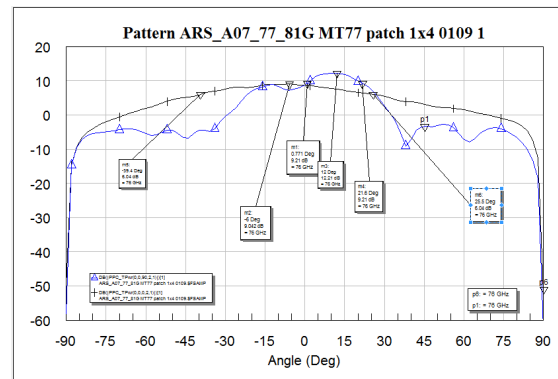
Return Loss & Insertion Loss



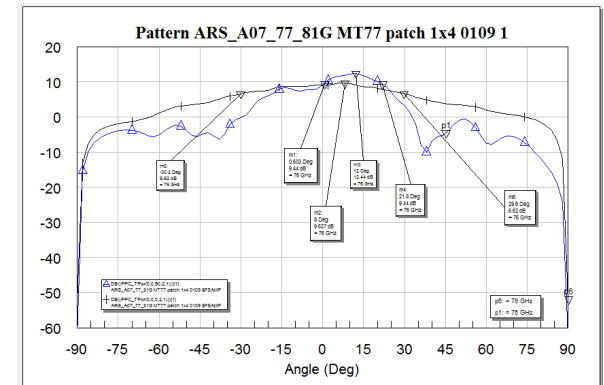
76G



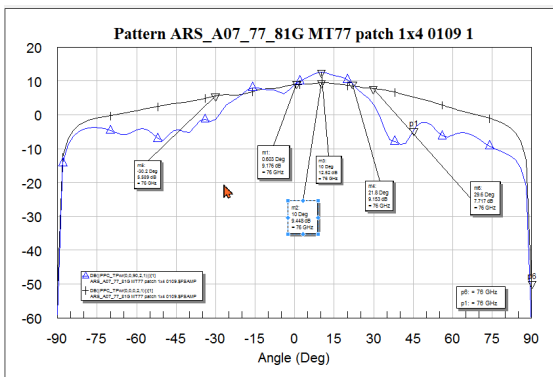
Port 1



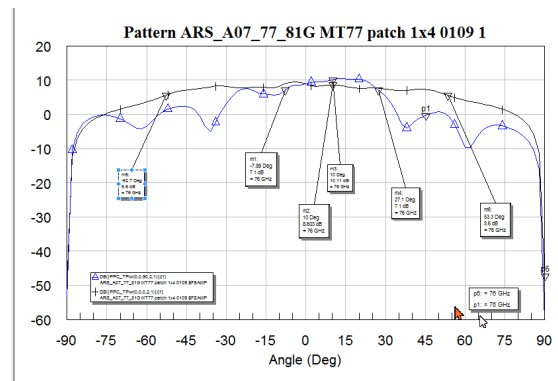
Port 2



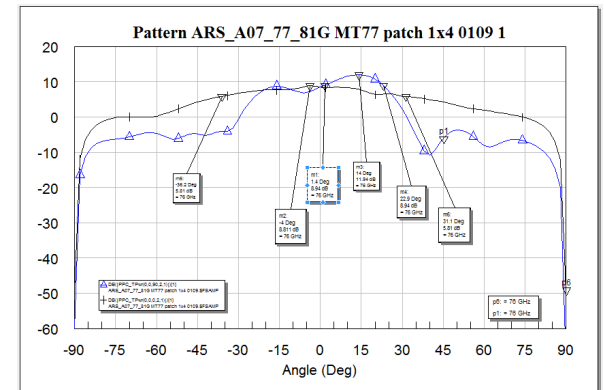
Port 3



Port 4

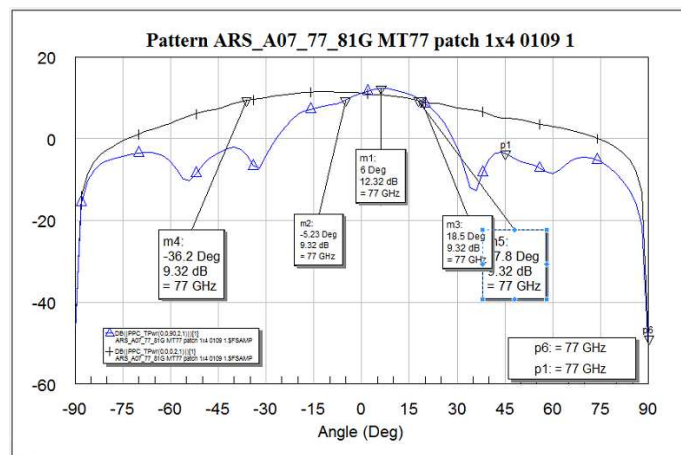


Port 5

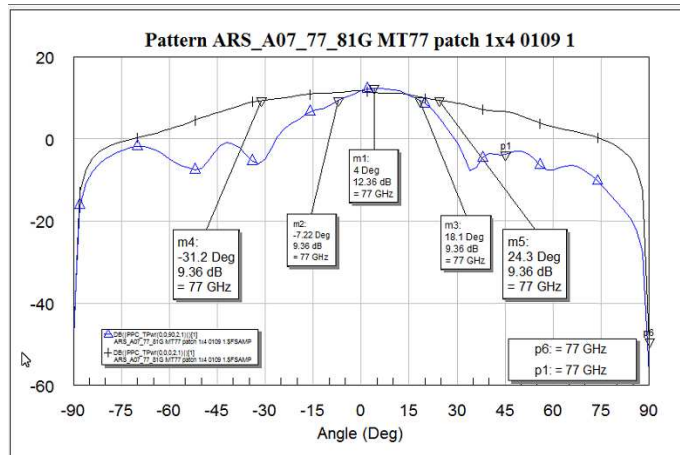


Port 6

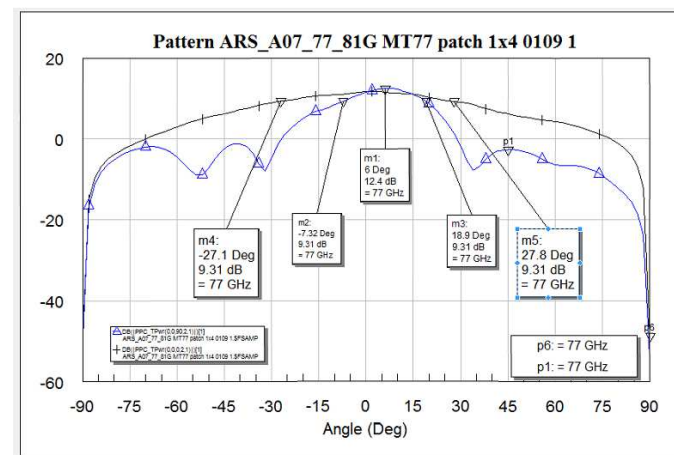
77G



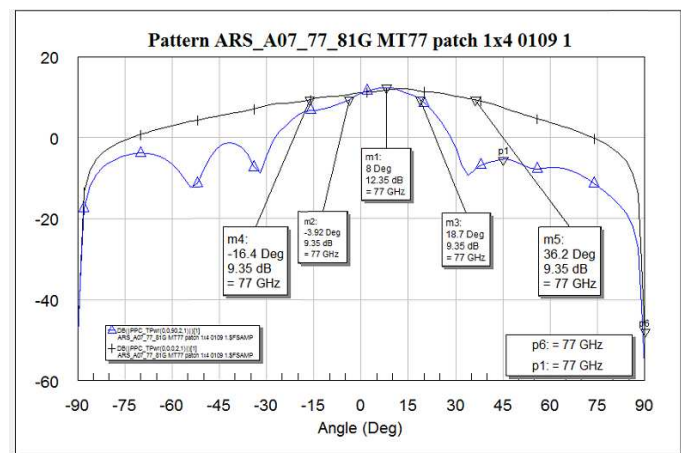
Port 1



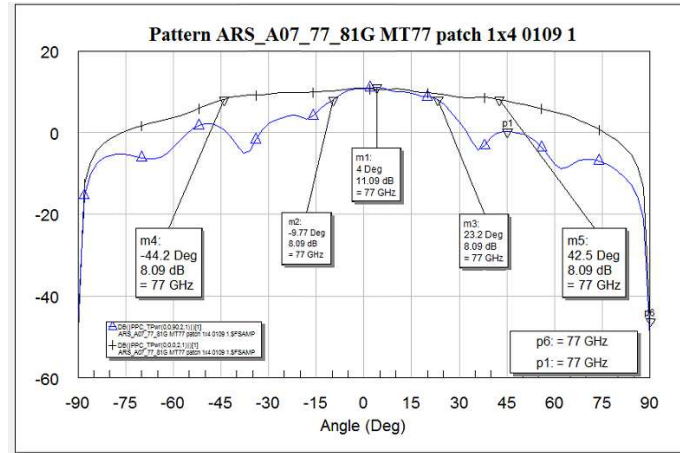
Port 2



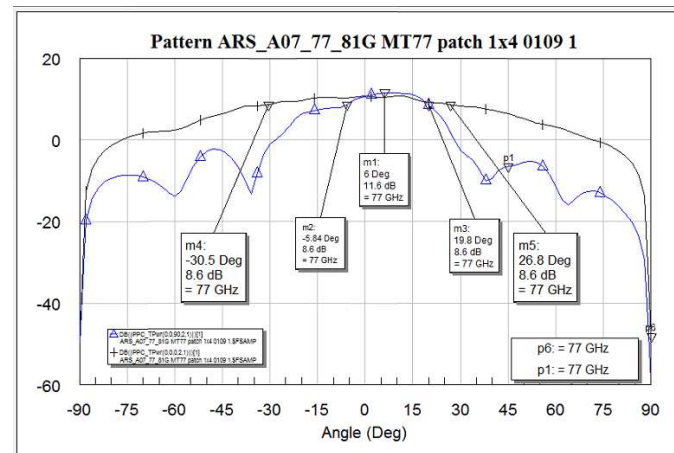
Port 3



Port 4

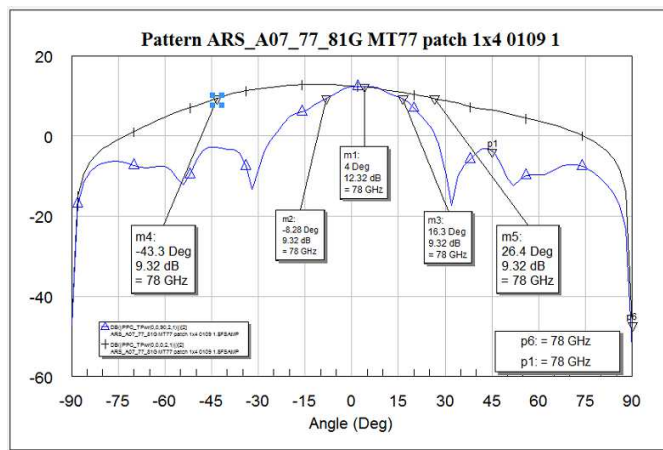


Port 5

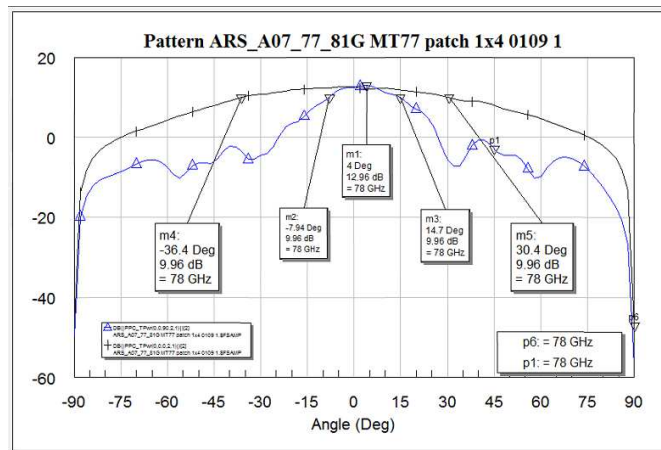


Port 6

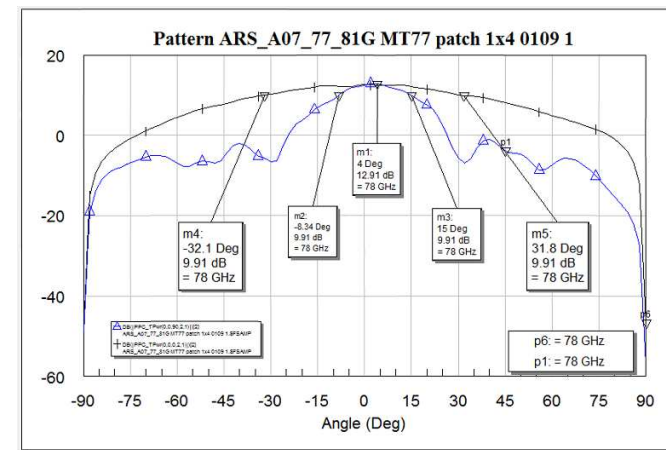
78G



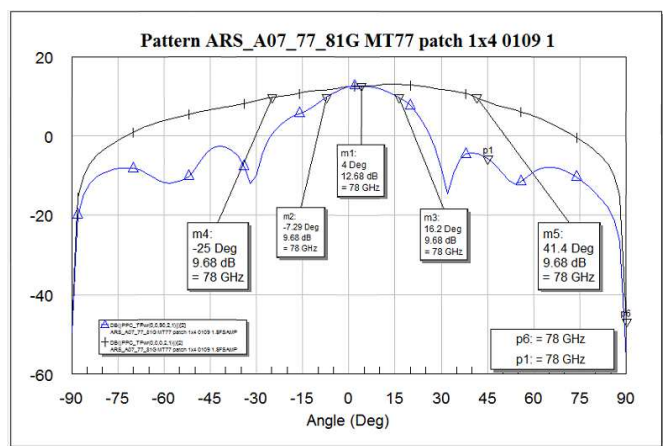
Port 1



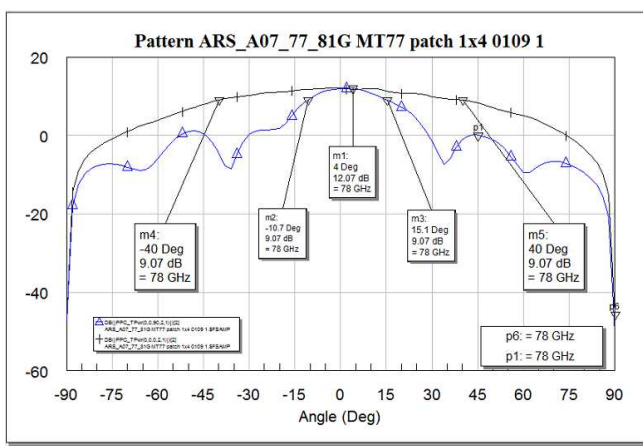
Port 2



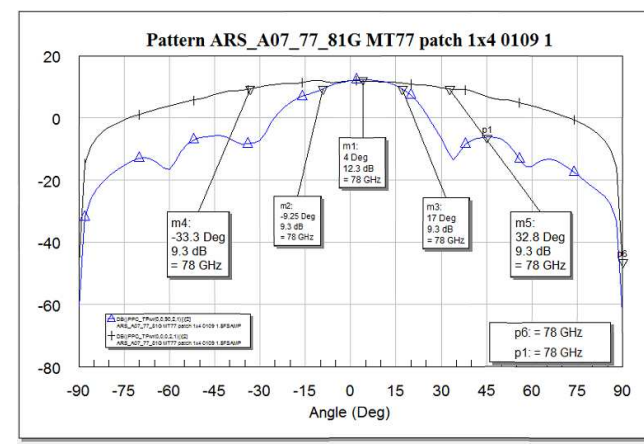
Port 3



Port 4

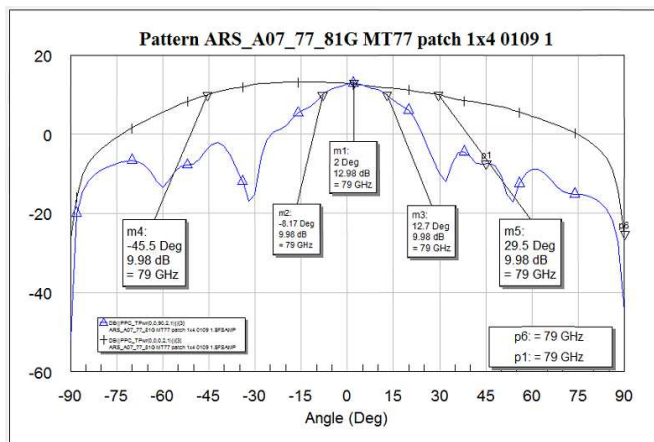


Port 5

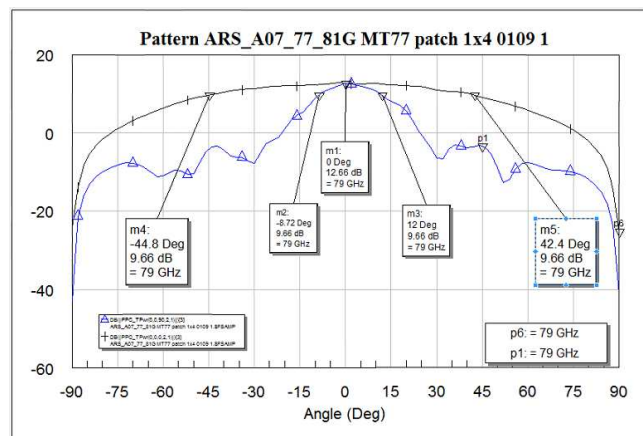


Port 6

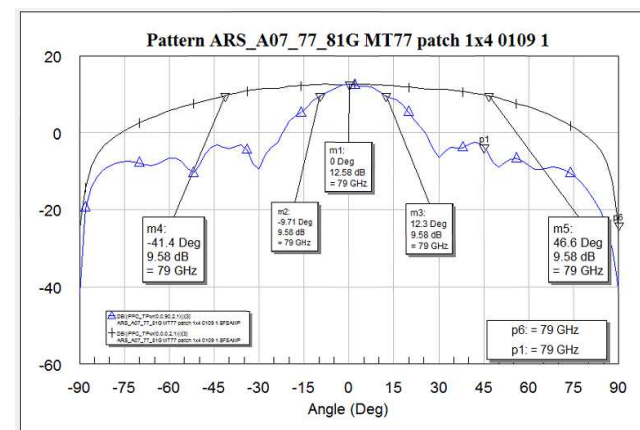
79G



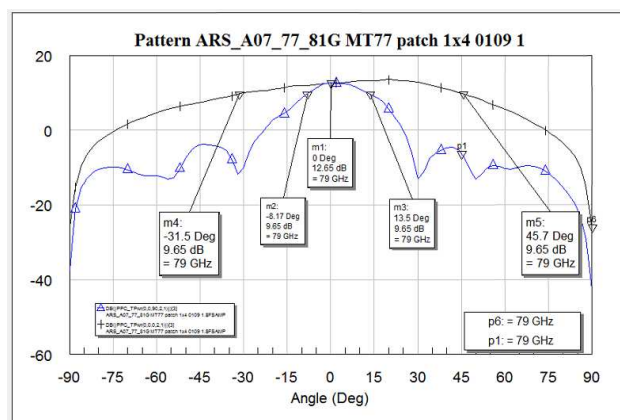
Port 1



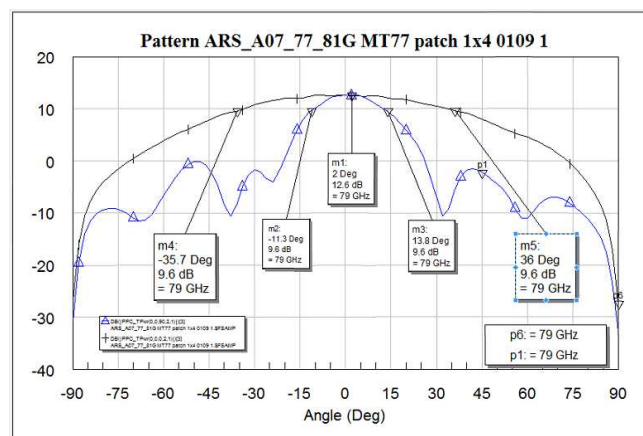
Port 2



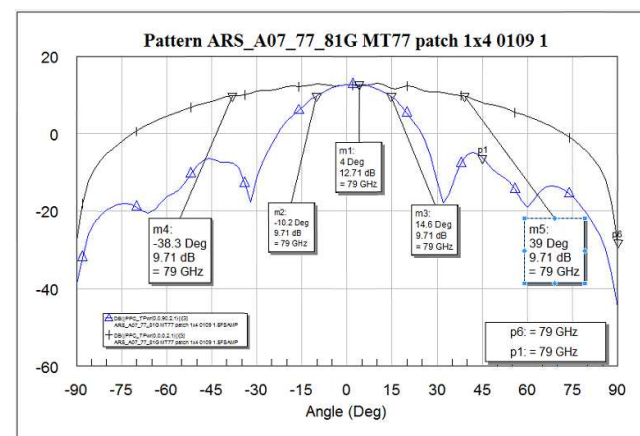
Port 3



Port 4

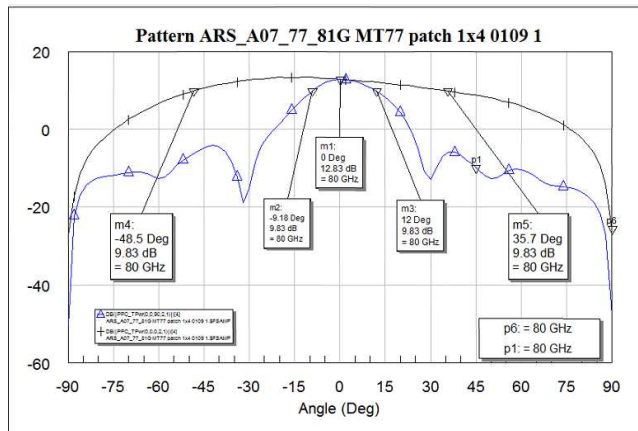


Port 5

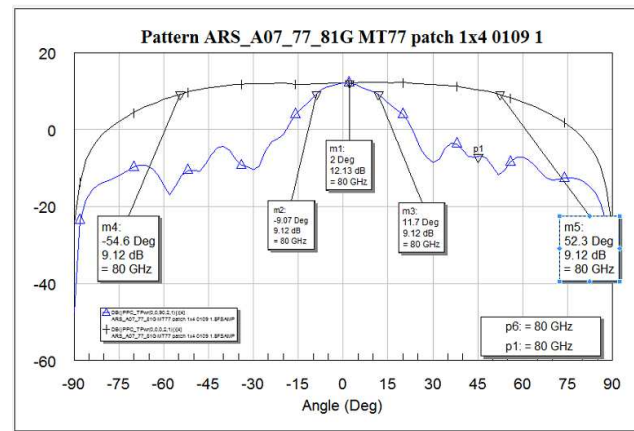


Port 6

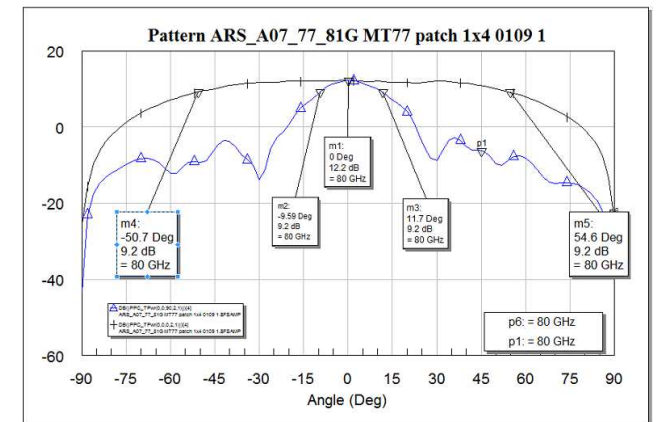
80G



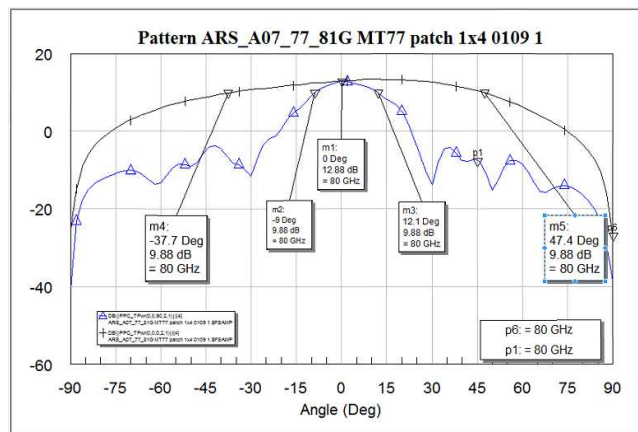
Port 1



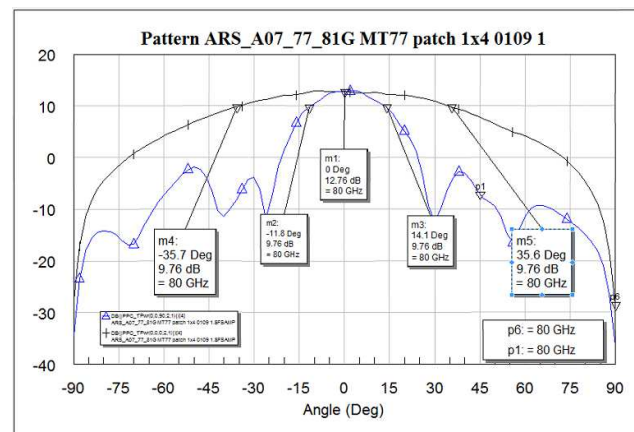
Port 2



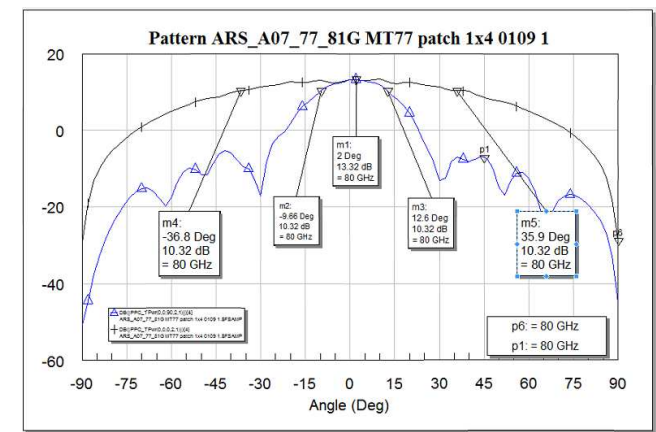
Port 3



Port 4

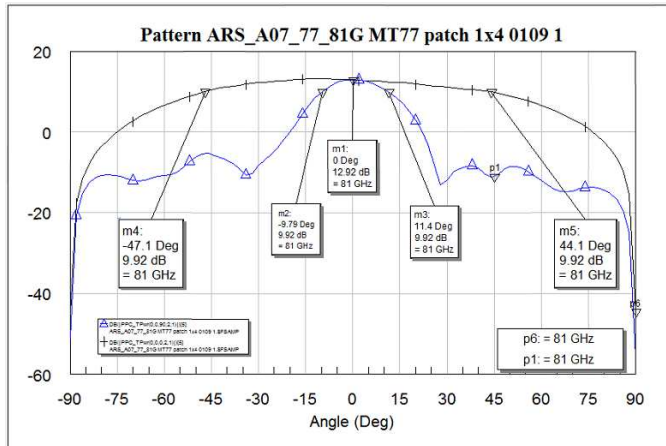


Port 5

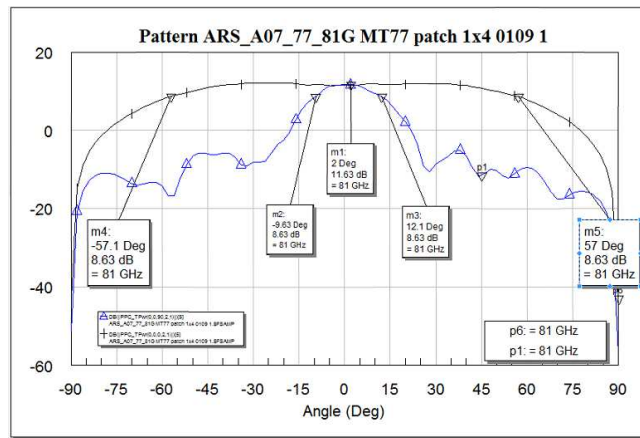


Port 6

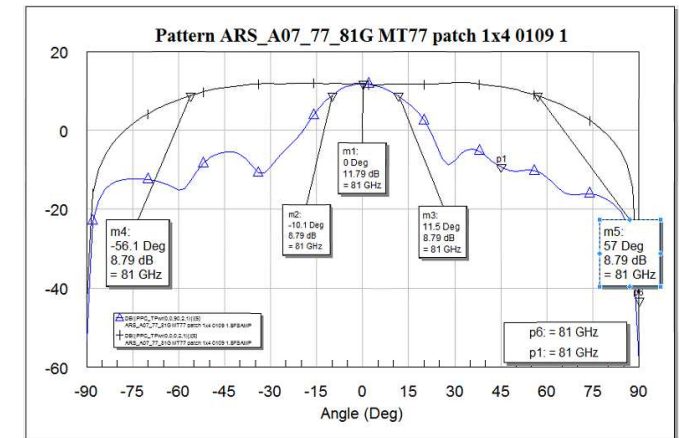
81G



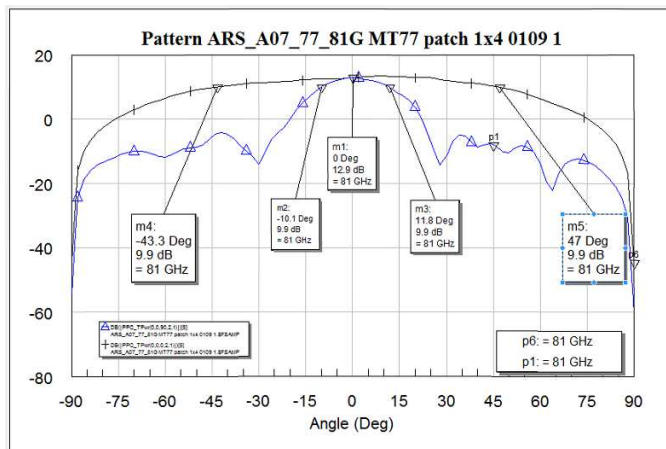
Port 1



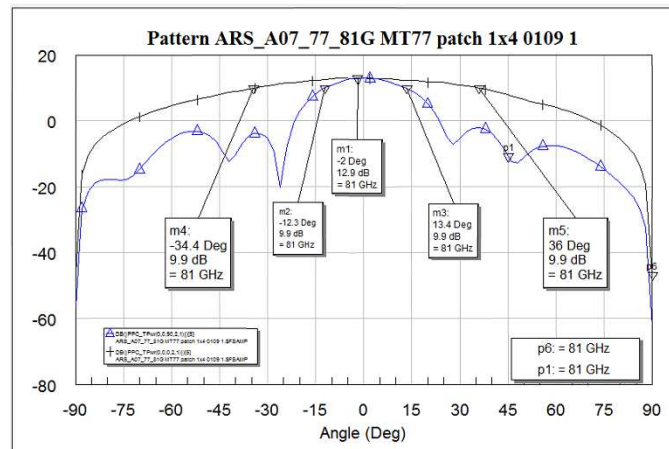
Port 2



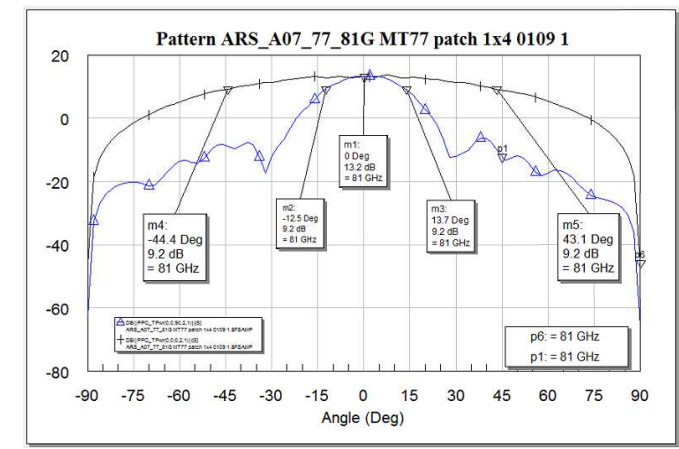
Port 3



Port 4



Port 5



Port 6



THANK YOU

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