



FLIGHT INSPECTION REPORT				No	17121
Airport	EPSY	Facility Operator	Warmia i Mazury Sp. z o. o.	Date of FI	17.-18.7.2017
Aircraft	L 410 UVP-E	Registration	OK-WYI	Issued on	19.7.2017
Inspector	Marek Dobrozemský			Page	1/2
Crew	Roman Čeppek, Stanislav Vohanka			Records No	13947-13994
MET	(17.7.) 290/11 kt, VIS 10+ km, 21°/13°, SCT 3300, QNH 1017			Next FI till	13.1.2018
Facility checked	Check	Result		Remark	
1. LLZ SZY	periodic	usable without restrictions			
2. GP 01	periodic	usable without restrictions			
3. DME SZY	periodic	usable without restrictions			
4.					
LLZ SZY					
Transmitter	[1/2]	1	2	Tolerance	
Alignment	[m/side]	0.07 / R	0.14 / R	±10.5	
	[uA]	0.1	0.2	±15	
SDM	[%]	40.3	40.3	40 ± 4	
Structure to „A“	[uA]	1	1	± 30	
Structure „A“-„B“	[uA]	1	1	±30-15	
Structure „B“-„C“	[uA]	1	1	± 15	
Structure „C“-„T“	[uA]	1	1	-	
Structure „T“-„D“	[uA]	1	1	-	
Structure „D“-„E“	[uA]	1	1	-	
Sector Width („A“-„B“)	sum	[°]	4.34	4.29	3.75 – 5.28 (±17% disp.sens.)
Half Sector Angle	150 Hz	[°]	2.17	2.15	
Half Sector Angle	90 Hz	[°]	2.17	2.14	
Symmetry		[%]	50.0 / 50.0	49.9 / 50.1	45 - 55
Clearance ± 10°	150 Hz	[uA]		-208	> 175
	90 Hz	[uA]		215	
Clearance ± 35°	150 Hz	[uA]		-205	> 150
	90 Hz	[uA]		209	
Coverage ± 10° 25 NM @ 3000 ft	150 Hz	[dBm]		-85	-93
	90 Hz	[dBm]		-86	
Coverage ± 35° 17 NM @ 3000 ft	150 Hz	[dBm]		-82	
	90 Hz	[dBm]		-83	
Identification			OK	OK	
Polarization		[uA]	1	-	15
Modulation Balance		[uA]	-	-	0 ± 5
Phasing R/L±5°		[uA]	-	-	-
Standby Power Check			-	-	-
MONITOR					
Alignment	150 Hz	[m]	9.7	9.5	±10.5
	90 Hz	[m]	9.7	9.5	
Sector Narrow („A“-„B“)	sum	[°]	3.83	3.77	3.75 (+17% disp.sens.)
	150 Hz	[°]	1.92	1.89	
	90 Hz	[°]	1.91	1.88	
Sector Wide („A“-„B“)	sum	[°]	5.21	5.14	5.28 (-17% disp.sens.)
	150 Hz	[°]	2.61	2.58	
	90 Hz	[°]	2.60	2.56	



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Inspector	Marek Dobrozemský			Page	2/2
Crew	Stanislav Vohanka, Roman Čepek,			Records No	13947-13994
MET	(18.7.) 240/10 kt, VIS 10+ km, 28°/10°, FEW 3400, QNH 1021			Next FI till	13.1.2018
GP 01					
Transmitter		[1/2]	1	2	Tolerance
Glide Slope Angle		[°]	2.97	2.97	3.00 ± 0.22
		[%]	-1.0	-1.1	± 7.5
SDM		[%]	80.6	81.2	80 ± 5
Structure to „A“		[uA]	2	2	± 30
Structure „A“-„B“		[uA]	5	5	± 30
Structure „B“-„C“		[uA]	15	8	± 30
Sector Width („A“-„B“)	sum	[°]	0.76	0.77	Half Sector 0.21-0.42
Half Sector Angle	150 Hz	[°]	0.37	0.38	
Half Sector Angle	90 Hz	[°]	0.39	0.39	
Symmetry		[%]	51.3 / 48.7	50.6 / 49.4	42 - 58
Clearance	0.3 Θ	[uA]		-660	> 190
	1.75 Θ	[uA]		206	> 150
Coverage 10 NM @ 1500 ft	CL	[dBm]		-70	- 83.5
	8° R	[dBm]		-71	
	8° L	[dBm]		-72	
Modulation Balance		[uA]			0 ± 5
Phasing		[uA]			-
Standby Power Check					
MONITOR					
Alignment	150 Hz	[°]	0.10	0.10	± 0.22 (7.5% Θ)
	90 Hz	[°]	0.10	0.11	
Sector Narrow („A“-„B“)	sum	[°]	0.63	0.62	Half Sector 0.25 (-3.75% Θ)
	150 Hz	[°]	0.31	0.30	
	90 Hz	[°]	0.32	0.32	
Sector Wide („A“-„B“)	sum	[°]	0.91	0.91	Half Sector 0.47 (+3.75% Θ)
	150 Hz	[°]	0.45	0.46	
	90 Hz	[°]	0.46	0.45	
DME SZY					
Coverage ± 35°/17 NM @ 3000 ft		[dBm]		-70	-84
Coverage C/L		[dBm]	-51	-58	-84
Error ± 35°/17 NM		[NM]		-0.01	0.04
Identification			OK	OK	-
Remarks:	PAPI indication well aligned with ILS GP.				
<p>ILS SZY meets operational requirements according to DOC 8071 ICAO. Radiated parameters are within technical tolerances and facility is therefore usable without restriction for cat I.</p>					
Crew Captain			Řízení letového provozu České republiky, státní podnik Oddělení letového ověřování Navigační 787 252 61 Jeneč, Česká republika IČO: 49710371, DIČ: CZ49710371	Inspector	