Attachment A
EL/M-2022A(V)3 Radiated Spectrum for Dornier 328-300
December 21, 2012; REV A3 Center Frequency = 8.850 GHz

Radar Mode	Frequency GHz	Emission Designator	Emission Bandwidth (Measured)						Pulse width [µSec]
			-3dB MHz	-20dB MHz	-40 dB MHz	-60 dB* MHz	OC-BW MHz	Modulation Techniques	
SS-40	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	52.0
SS-80	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	58.0
SS-160	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	61.0
SS-200	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	52.2
SS-30	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	51.0
SS-20	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	51.4
SS-10	8.730 – 8.970	240MQ3N	240	240	375	1200	240	LFM+SFM 240 MHz	6.6
SPOT SAR (1M)	8.756 – 8.944	180MQ3N	180	188	285	1894	188	LFM 180 MHz	51.2
SPOT SAR(3M)	8.816 – 8.883	67MQ3N	60	67	118	947	67	LFM 60 MHz	37.6
SPOT SAR(12M)	8.836 – 8.850	19MQ3N	15	19	43	533	19	LFM 15 MHz	24.0
ISAR (1M)	8.759 – 8.941	182MQ3N	182	192	292	1125	182	LFM 180MHz	41.2
ISAR (3M)	8.818 – 8.882	63MQ3N	63	67	116	1583	63	LFM 60 MHz	54.4
Range Signature	RS parameters are identical to the *ISAR-XX* parameters								
Air-to-Air	8.838 – 8.862	23MP0N	0.375	23	91	1000	24	Barker	2.6
NAW	8.782 – 8.942	80-160MQ3N						LFM+SFM (80-160)MHz	20.0
Scan MTI GMTI	8.845 – 8.855	10MQ3N	8	10	28	800	10	LFM 8 MHz	48.0

* NOTE: For -60 dBc Emission Bandwidth. The -60 dBc bandwidth in the Table was determined by analysis by using the bandwidth of the arithmetic sum in dB of the measured spectrum for each radar mode of the transmitter output signal and the measured attenuation vs. frequency of the radar antenna.