

Belgium	Radio interface specification	LPD-S	K06-01 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	862-863 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth	≤ 350 kHz	
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Duty Cycle ≤ 0.1%	
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-02 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	863-870 MHz	FHSS (Frequency Hopping Spread Spectrum)
	4	Channelisation		
	5	Modulation/Occupied Bandwidth	≤ 100 kHz for 47 or more switched channels	
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Duty Cycle < 0.1%	The utilisation factor is applicable to the entire transmission (not to each hop channel).
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-03 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	863-870 MHz	Non-FHSS (without Frequency Hopping Spread Spectrum) Frequency bands for alarms are excluded.
	4	Channelisation		
	5	Modulation/Occupied Bandwidth	≤ 50 kHz for 58 or more switched channels	
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.; -4.5 dBm/100kHz	
	8	Access and rules for using the channels	Duty Cycle < 0.1% or LBT (Listen Before Talk) + AFA (Adaptive Frequency Agility)	
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-04 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	863-865 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Duty Cycle < 0.1% Spectrum-access and interference-mitigation techniques at least as effective as the techniques described in the harmonised standards adopted under Directive R&TTE or RE must be used.	Analogue audio applications other than voice are excluded. Analogue video applications are excluded
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base)
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-05 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	865-868 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Requirements relating to spectrum access techniques and interference mitigation apply. A maximum utilisation coefficient of 1% can also be used.	
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-06 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	868-868.6 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Requirements relating to spectrum access techniques and interference mitigation apply. A maximum utilisation coefficient of 1% can also be used.	
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-07 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	868.7-869.2 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Duty Cycle < 0.1% Spectrum-access and interference-mitigation techniques at least as effective as the techniques described in the harmonised standards adopted under Directive R&TTE or RE must be used.	Analogue video applications are excluded
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-08 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	869.4-869.65 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	500 mW e.r.p.	
	8	Access and rules for using the channels	Duty Cycle < 10 % Spectrum-access and interference-mitigation techniques at least as effective as the techniques described in the harmonised standards adopted under Directive R&TTE or RE must be used.	Analogue video applications are excluded
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics	As an alternative, a 10% limit can also be used. Analogue video applications are excluded. Audio and video applications are excluded. Voice applications are permitted subject to advanced mitigation techniques.	
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-09 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	869.7-870 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	5 mW e.r.p.	
	8	Access and rules for using the channels	Voice applications are permitted subject to advanced mitigation techniques.	Audio and video applications are excluded
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	

Belgium	Radio interface specification	LPD-S	K06-10 - V1.1 -
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	No.	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Not applicable	Operations of devices communicating with satellites and using frequency bands without spatial allocation, and using spatial frequency allocations notified to the ITU pursuant to Section 4.4 of the Radio Regulations. No. 4.4 of the Radio Regulations.
	2	Application	LPD-S	LPD-S: Low-power devices communicating with satellites Layer 1: Satellite systems / Layer 2: MSS ground stations / Layer 3: LPD-S
	3	Frequency band	869.7-870 MHz	
	4	Channelisation		
	5	Modulation/Occupied Bandwidth		
	6	Direction/Separation		
	7	Emission power/Power density	25 mW e.r.p.	
	8	Access and rules for using the channels	Requirements relating to spectrum access techniques and interference mitigation apply. A maximum utilisation coefficient of 1% can also be used.	
	9	Authorisation regime	General authorisation	Operation in NIB/NPB mode (Non-Interference Base/Non-Protection Base) Network operator must be registered in Belgium
	10	Additional essential requirements		
	11	Frequency planning basics		
Informative part	12	Planned changes		
	13	Reference	ECC DEC (25)02 EN 300 220 ECC Report 357	Only the version(s) mentioned in the latest list of Harmonised Standards under Directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to benefit from the presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according to Decision 2000/299/EC	