

Canales digitales Radio / Astra 1A 1B 1C 1D 1E 1F 1G a 19.2° Este

Tipo de emision	Nº Canal	Freq. GHz	Pol	Nombre de la emisora	Beam	Norma de difusion	CODIFICACION	AUDIO	SR	FEC	V-PID	A-PID	PCR 4DTV
Libre	55	10.803	H	SRI-Deut	EH2	ADR		7.74					
Libre	55	10.803	H	SRI	EH2	ADR		7.92					
Libre	55	10.803	H	Swiss Light	EH2	ADR		8.10					
Libre	55	10.803	H	Swiss Classic	EH2	ADR		8.28					
Libre	55	10.803	H	Swiss Jazz	EH2	ADR		8.46					
Libre	61	10.891	H	RPR Zwei	EH1	ADR		7.38					
Libre	64	10.936	V	Radio Melodie	EV1	ADR		7.56					
Libre	64	10.936	V	Stargold	EV1	ADR		7.38					
Libre	34	10.964	H	Radoropa Oldie FM	CH1	ADR		6.12					
Libre	35	10.964	H	Star Sat Radio	CH1	ADR		6.30					
Libre	36	10.964	H	Sunshine Live	CH1	ADR		6.48					
Libre	37	10.964	H	Radoropa 261	CH1	ADR		6.66					
Libre	38	10.964	H	Star Sat Gold	CH1	ADR		6.66					
Libre	39	10.964	H	Granada FM	CH1	ADR		7.38					
Libre	40	10.964	H	G-FM	CH1	ADR		7.38					
Libre	41	10.964	H	Radio Horeb	CH1	ADR		7.56					
Libre	42	10.964	H	WRN 3 Europe	CH1	ADR		7.56					
Libre	43	10.964	H	Radio Eviva	CH1	ADR		7.74					
Libre	44	10.964	H	Hit Radio FFH	CH1	ADR		8.10					
Libre	45	10.964	H	Planet Radio	CH1	ADR		8.28					
Libre	39	11.053	H	WDR 1 Live	CH2	ADR		6.12					
Libre	39	11.053	H	WDR 2	CH2	ADR		7.38					
Libre	39	11.053	H	WDR 3	CH2	ADR		6.48					
Libre	39	11.053	H	WDR 4	CH2	ADR		6.66					
Libre	39	11.053	H	WDR Radio 5 Frankhaus Europa	CH2	ADR		7.56					
Libre	40	11.068	V	HR 1	CV1	ADR		6.12					
Libre	40	11.068	V	HR 2	CV1	ADR		6.30					
Libre	40	11.068	V	HR 3	CV1	ADR		6.48					
Libre	40	11.068	V	HR 4	CV1	ADR		6.66					
Libre	40	11.068	V	HR 1 Plus	CV1	ADR		6.84					
Libre	40	11.068	V	HR 2 Plus - Klassik	CV1	ADR		7.38					
Libre	40	11.068	V	HR XXL	CV1	ADR		7.56					
Libre	40	11.068	V	Radio Bremen 4	CV1	ADR		7.92					
Libre	43	11.112	H	MDR Life	CH2	ADR		6.30					
Libre	43	11.112	H	MDR Info	CH2	ADR		6.48					
Libre	43	11.112	H	MDR Kultur	CH2	ADR		6.66					
Libre	43	11.112	H	MDR Sputnik	CH2	ADR		6.84					
Libre	45	11.141	H	Bayern 1	CH1	ADR		6.12					
Libre	45	11.141	H	Bayern 2 Radio	CH1	ADR		6.30					
Libre	45	11.141	H	Bayern 3	CH1	ADR		6.48					
Libre	45	11.141	H	Bayern 4 Klassik	CH1	ADR		6.66					
Libre	45	11.141	H	B5 Aktuell	CH1	ADR		6.84					
Libre	45	11.141	H	DRS 1	CH1	ADR		7.38					

Libre	45	11.141	H	RSR La Premiere	CH1	ADR		7.38					
Libre	45	11.141	H	RSI Rete 1	CH1	ADR		7.56					
Libre	45	11.141	H	Radio Rumantsch	CH1	ADR		7.56					
Libre	45	11.141	H	DRS Musigwalle 531	CH1	ADR		7.74					
Libre	45	11.141	H	DRS 2	CH1	ADR		7.92					
Libre	45	11.141	H	Radio Osterreich International	CH1	ADR		8.10					
Libre	45	11.141	H	RSR Option Musique	CH1	ADR		8.28					
Libre	45	11.141	H	RSR Couleur 3	CH1	ADR		8.46					
Libre	48	11.186	V	SWR 3 Metro Stuttgart	CV1	ADR		6.12					
Libre	48	11.186	V	SWR 1 Baden-Wuerttemberg	CV1	ADR		6.30					
Libre	48	11.186	V	SWR 2 Baden-Wuerttemberg	CV1	ADR		6.48					
Libre	48	11.186	V	SWR 1 Rheinland-Pfalz	CV1	ADR		6.66					
Libre	48	11.186	V	SWR 3	CV1	ADR		6.84					
Libre	48	11.186	V	SWR 4 Baden-Wuerttemberg	CV1	ADR		7.38					
Libre	48	11.186	V	SWR 4 Rheinland-Pfalz	CV1	ADR		7.56					
Libre	48	11.186	V	Das Ding	CV1	ADR		7.74					
Libre	48	11.186	V	SWR 2 Rheinland-Pfalz	CV1	ADR		7.92					
Libre	48	11.186	V	Radio Italia	CV1	ADR		8.10					
Libre	48	11.186	V	Radio Regenbogen	CV1	ADR		8.46					
Libre	1	11.214	H	Antenne Bayern	AH1	ADR		8.10					
Libre	1	11.214	H	Rock Antenne	AH1	ADR		8.28					
Libre	19	11.494	H	Deutschlandfunk	BH2	ADR		6.30					
Libre	19	11.494	H	DeutschlandRadio	BH2	ADR		6.48					
Libre	19	11.494	H	Deutsche Welle	BH2	ADR		6.66					
Libre	19	11.494	H	Deutsche Welle (Eur. 1)	BH2	ADR		6.84					
Libre	19	11.494	H	Deutsche Welle (Eur. 2)	BH2	ADR		6.84					
Libre	19	11.494	H	SR2 SAAR	BH2	ADR		7.74					
Libre	19	11.494	H	BREMEN 1	BH2	ADR		7.92					
Libre	19	11.494	H	Radio Bremen 2	BH2	ADR		8.10					
Libre	19	11.494	H	SR 1 Europawelle Saar	BH2	ADR		8.28					
Libre	25	11.582	H	NDR 4 Info special	BH1	ADR		6.12					
Libre	25	11.582	H	NDR 2	BH1	ADR		6.30					
Libre	25	11.582	H	NDR Radio 3	BH1	ADR		6.48					
Libre	25	11.582	H	NDR 4 Info	BH1	ADR		6.66					
Libre	25	11.582	H	N-Joy Radio	BH1	ADR		6.84					
Libre	30	11.656	V	Antenne Brandenburg	BV2	ADR		6.12					
Libre	30	11.656	V	Radio Eins	BV2	ADR		6.30					
Libre	30	11.656	V	Fritz	BV2	ADR		6.48					
Libre	30	11.656	V	Radio Kultur	BV2	ADR		6.66					
Libre	30	11.656	V	ORB Radio 3	BV2	ADR		6.84					
CRYPT	69	11.798	H	Hit Liste	EH1	MPEG-2	IRDETO		27500	3/4		304	
CRYPT	69	11.798	H	Blues	EH1	MPEG-2	IRDETO		27500	3/4		352	
CRYPT	69	11.798	H	Classik Rock	EH1	MPEG-2	IRDETO		27500	3/4		400	
CRYPT	69	11.798	H	Soft Rock	EH1	MPEG-2	IRDETO		27500	3/4		560	
CRYPT	69	11.798	H	Generation Rock	EH1	MPEG-2	IRDETO		27500	3/4		608	
CRYPT	69	11.798	H	Love Songs	EH1	MPEG-2	IRDETO		27500	3/4		656	

CRYPT	69	11.798	H	Dance	EH1	MPEG-2	IRDETO		27500	3/4		816	
CRYPT	69	11.798	H	Progressive Dance	EH1	MPEG-2	IRDETO		27500	3/4		864	
CRYPT	69	11.798	H	Deutscher Rock	EH1	MPEG-2	IRDETO		27500	3/4		912	
CRYPT	69	11.798	H	Schlager	EH1	MPEG-2	IRDETO		27500	3/4		1072	
CRYPT	69	11.798	H	Volksmusik	EH1	MPEG-2	IRDETO		27500	3/4		1120	
CRYPT	69	11.798	H	Easy Listening	EH1	MPEG-2	IRDETO		27500	3/4		1168	
Libre	76	11.934	V	Pop-Rock	EV1	MPEG-2			27500	3/4		101	
Libre	76	11.934	V	Los 40 Principales	EV1	MPEG-2			27500	3/4		230	
Libre	76	11.934	V	Cadena Dial	EV1	MPEG-2			27500	3/4		231	
Libre	76	11.934	V	M-80	EV1	MPEG-2			27500	3/4		232	
Libre	76	11.934	V	Radiole	EV1	MPEG-2			27500	3/4		233	
Libre	76	11.934	V	Sinfo Radio Antena 3	EV1	MPEG-2			27500	3/4		234	
Libre	76	11.934	V	Andalucia Radio	EV1	MPEG-2			27500	3/4		235	
Libre	76	11.934	V	Cadena SER	EV1	MPEG-2			27500	3/4		242	
CRYPT	76	11.934	V	EuroSport	EV1	MPEG-2	Mediaguard		27500	3/4		243	
Libre	76	11.934	V	Catalunya Radio	EV1	MPEG-2			27500	3/4		244	
Libre	76	11.934	V	Catalunya Informacio	EV1	MPEG-2			27500	3/4		245	
Libre	76	11.934	V	Catalunya Musica	EV1	MPEG-2			27500	3/4		246	
Libre	76	11.934	V	Canal Cultural	EV1	MPEG-2			27500	3/4		247	
CRYPT	78	11.973	V	Pop-Rock	EV2	MPEG-2	Mediaguard		27500	3/4		236	
CRYPT	78	11.973	V	Voces Propias	EV2	MPEG-2	Mediaguard		27500	3/4		237	
CRYPT	78	11.973	V	Capricho Espanol	EV2	MPEG-2	Mediaguard		27500	3/4		238	
CRYPT	78	11.973	V	Ritmo Latino	EV2	MPEG-2	Mediaguard		27500	3/4		239	
CRYPT	78	11.973	V	Otras Décades	EV2	MPEG-2	Mediaguard		27500	3/4		240	
CRYPT	78	11.973	V	Pasión Flamenca	EV2	MPEG-2	Mediaguard		27500	3/4		241	
CRYPT	78	11.973	V	Canal Indie	EV2	MPEG-2	Mediaguard		27500	3/4		248	
CRYPT	78	11.973	V	Minimusica	EV2	MPEG-2	Mediaguard		27500	3/4		249	
Libre	80	12.012	V	RTL Radio	EV1	MPEG-2			27500	3/4		223	
CRYPT	81	12.032	H	Gold	EH1	MPEG-2	IRDETO		27500	3/4		304	
CRYPT	81	12.032	H	Old Gold	EH1	MPEG-2	IRDETO		27500	3/4		352	
CRYPT	81	12.032	H	Heavy Rock	EH1	MPEG-2	IRDETO		27500	3/4		400	
CRYPT	81	12.032	H	Soul Classic	EH1	MPEG-2	IRDETO		27500	3/4		560	
CRYPT	81	12.032	H	Les Grandes Chansons	EH1	MPEG-2	IRDETO		27500	3/4		608	
CRYPT	81	12.032	H	Bella Italia	EH1	MPEG-2	IRDETO		27500	3/4		656	
CRYPT	81	12.032	H	Jazz	EH1	MPEG-2	IRDETO		27500	3/4		816	
CRYPT	81	12.032	H	Soul & Rap	EH1	MPEG-2	IRDETO		27500	3/4		864	
CRYPT	81	12.032	H	Harmony	EH1	MPEG-2	IRDETO		27500	3/4		912	
CRYPT	81	12.032	H	Filmmusik	EH1	MPEG-2	IRDETO		27500	3/4		1072	
CRYPT	81	12.032	H	Musicals	EH1	MPEG-2	IRDETO		27500	3/4		1120	
CRYPT	81	12.032	H	Reggae	EH1	MPEG-2	IRDETO		27500	3/4		1168	
CRYPT	82	12.051	V	Chamber Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Classival Guitar	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Opera	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Popular Classical	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Symphonic	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Hot Country	EV2	MPEG-2	Cryptoworks		27500	3/4			

CRYPT	82	12.051	V	Modern Country	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Traditional Country	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Beautiful Instr.	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Contemporary Instr.	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	New Age	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	New Age Meditation	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Piano Bar	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	African Rhythms	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Carribbean Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Chinese Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Dutch Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Euro Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Flamenco	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	French Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	German Easy Listening	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	German Folk	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	German Schlager	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	German Rock	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Greek Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Indian Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Irish Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Italian Contemporary	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Italian Traditional	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Japanese Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
Libre	82	12.051	V	Polka	EV2	MPEG-2			27500	3/4			
CRYPT	82	12.051	V	UK Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	World Beat	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Acid Jazz	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Classical Jazz	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Contemporary Jazz	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Dixieland	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Jazz Vocal Blends	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Smooth Jazz	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Brazilian Music	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Latin Contemporary	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Latin Dance	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Latin Jazz	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Salsa	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Mariachi	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	70's Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	80's Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Big Band	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Classic Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Classic Rock	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Euro Oldies	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Great Standards	EV2	MPEG-2	Cryptoworks		27500	3/4			

CRYPT	82	12.051	V	Pop/Rock Oldies	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Retro Dance	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Rock'n'Roll Oldies	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Upbeat Oldies	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Contemporary Pop	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Dance	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Folk Rock	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Holidays	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Hot Tracks	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Hottest Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Love Songs	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Power Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Show Tunes	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Soft Hits	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Album Rock	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Alternative	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Alternative Folk	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Beach Party	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Metal	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Pop Alternative	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Rock'n'Blues	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Blues	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Classic R&B	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	R&B Contemporary	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	R&B / Hip Hop	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Rap	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	82	12.051	V	Reggae	EV2	MPEG-2	Cryptoworks		27500	3/4			
CRYPT	83	12.070	H	Country	EH1	MPEG-2	IRDETO		27500	3/4		304	
CRYPT	83	12.070	H	New Country	EH1	MPEG-2	IRDETO		27500	3/4		352	
CRYPT	83	12.070	H	Latin	EH1	MPEG-2	IRDETO		27500	3/4		400	
CRYPT	83	12.070	H	Symphonic	EH1	MPEG-2	IRDETO		27500	3/4		560	
CRYPT	83	12.070	H	Klassik	EH1	MPEG-2	IRDETO		27500	3/4		608	
CRYPT	83	12.070	H	Opera	EH1	MPEG-2	IRDETO		27500	3/4		656	
Libre	84	12.090	V	Hundert 6	EH1	MPEG-2			27500	3/4		304	
Libre	87	12.148	H	Rock Antenne	EH1	MPEG-2			27500	3/4		304	
Libre	88	12.168	V	CNN Radio	G	MPEG-2			27500	3/4		101	
CRYPT	89	12.188	H	RTL Radio	FH1	MPEG-2	Cryptoworks		27500	3/4		81	
Libre	90	12.207	V	Hector	EV2	MPEG-2			27500	3/4		168	
Libre	90	12.207	V	NRJ	EV2	MPEG-2			27500	3/4		236	
Libre	90	12.207	V	Europe 2	EV2	MPEG-2			27500	3/4		237	
Libre	90	12.207	V	RTL 2	EV2	MPEG-2			27500	3/4		238	
Libre	90	12.207	V	SkyRock	EV2	MPEG-2			27500	3/4		239	
Libre	90	12.207	V	Fun Radio	EV2	MPEG-2			27500	3/4		240	
Libre	90	12.207	V	Le Mouv	EV2	MPEG-2			27500	3/4		241	
Libre	90	12.207	V	Radio Nova	EV2	MPEG-2			27500	3/4		242	
Libre	90	12.207	V	Radio FG	EV2	MPEG-2			27500	3/4		243	

Libre	90	12.207	V	Vibration	EV2	MPEG-2			27500	3/4		244	
Libre	90	12.207	V	Contact FM	EV2	MPEG-2			27500	3/4		245	
Libre	90	12.207	V	Radio Nostalgie	EV2	MPEG-2			27500	3/4		246	
Libre	90	12.207	V	Latina 99	EV2	MPEG-2			27500	3/4		247	
Libre	90	12.207	V	RFM	EV2	MPEG-2			27500	3/4		248	
Libre	90	12.207	V	Cherie FM	EV2	MPEG-2			27500	3/4		249	
Libre	90	12.207	V	Alouette FM	EV2	MPEG-2			27500	3/4		250	
Libre	90	12.207	V	Voltage FM	EV2	MPEG-2			27500	3/4		251	
Libre	90	12.207	V	Oui FM	EV2	MPEG-2			27500	3/4		252	
Libre	90	12.207	V	Ado FM	EV2	MPEG-2			27500	3/4		253	
Libre	90	12.207	V	Paris Jazz	EV2	MPEG-2			27500	3/4		254	
Libre	90	12.207	V	France Musique	EV2	MPEG-2			27500	3/4		1901	
Libre	90	12.207	V	Elisa	EV2	MPEG-2			27500	3/4		1902	
Libre	90	12.207	V	France Inter Paris	EV2	MPEG-2			27500	3/4		1903	
Libre	90	12.207	V	France Info	EV2	MPEG-2			27500	3/4		1904	
Libre	90	12.207	V	France Inter	EV2	MPEG-2			27500	3/4		1905	
Libre	90	12.207	V	France Culture	EV2	MPEG-2			27500	3/4		1906	
Libre	90	12.207	V	Radio Bleue	EV2	MPEG-2			27500	3/4		1907	
Libre	90	12.207	V	RFI - Radio France Int.	EV2	MPEG-2			27500	3/4		1908	
Libre	90	12.207	V	Radio Classique	EV2	MPEG-2			27500	3/4		1909	
Libre	90	12.207	V	RTL	EV2	MPEG-2			27500	3/4		1910	
Libre	90	12.207	V	Europe 1	EV2	MPEG-2			27500	3/4		1911	
Libre	90	12.207	V	Radio Monte Carlo	EV2	MPEG-2			27500	3/4		1912	
Libre	90	12.207	V	Rire et Chansons	EV2	MPEG-2			27500	3/4		1913	
Libre	90	12.207	V	Sud Radio	EV2	MPEG-2			27500	3/4		1914	
Libre	90	12.207	V	MFM	EV2	MPEG-2			27500	3/4		1915	
Libre	90	12.207	V	Sport O'FM	EV2	MPEG-2			27500	3/4		1916	
Libre	90	12.207	V	RFI Musique	EV2	MPEG-2			27500	3/4		1941	
Libre	90	12.207	V	Radio Notre Dame	EV2	MPEG-2			27500	3/4		1942	
Libre	90	12.207	V	Radio Alfa	EV2	MPEG-2			27500	3/4		1943	
Libre	90	12.207	V	RCJ - Radio Communauté Juive	EV2	MPEG-2			27500	3/4		1944	
Libre	90	12.207	V	Radio Shalom	EV2	MPEG-2			27500	3/4		1944	
Libre	90	12.207	V	Beur FM	EV2	MPEG-2			27500	3/4		1945	
Libre	90	12.207	V	Media Tropical	EV2	MPEG-2			27500	3/4		1946	
Libre	90	12.207	V	Africa No 1	EV2	MPEG-2			27500	3/4		1947	
Libre	96	12.324	V	Forum Boutique	FV1	MPEG-2			27500	3/4		1955	
Libre	96	12.324	V	Classic Maestro	FV1	MPEG-2			27500	3/4		1956	
Libre	96	12.324	V	Tutti Classic	FV1	MPEG-2			27500	3/4		1957	
Libre	96	12.324	V	Hector	FV1	MPEG-2			27500	3/4		1958	
Libre	96	12.324	V	NRJ	FV1	MPEG-2			27500	3/4		1959	
Libre	96	12.324	V	RFI Musique	FV1	MPEG-2			27500	3/4		1960	
Libre	100	12.402	V	Radio FG	EV2	MPEG-2			27500	3/4		93	
CRYPT	100	12.402	V	Tutti Classic	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		237	
CRYPT	100	12.402	V	All Jazz	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		238	
CRYPT	100	12.402	V	Cristal Detente	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		239	
CRYPT	100	12.402	V	Generation 60	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		240	

CRYPT	100	12.402	V	Rock For Ever	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		241	
CRYPT	100	12.402	V	La Guinguette	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		242	
CRYPT	100	12.402	V	Black & Blues	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		243	
CRYPT	100	12.402	V	Chansons de France	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		244	
CRYPT	100	12.402	V	Planete RAP	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		245	
CRYPT	100	12.402	V	Ballades et Comptines	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		246	
CRYPT	100	12.402	V	Cactus Country	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		247	
CRYPT	100	12.402	V	Maxidance	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		248	
CRYPT	100	12.402	V	Ziki Mondo	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		249	
CRYPT	100	12.402	V	Cinemusic	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		250	
CRYPT	100	12.402	V	Alternative Bomb	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		251	
CRYPT	100	12.402	V	Classic Maestro	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1901	
CRYPT	100	12.402	V	Grand Opera	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1902	
CRYPT	100	12.402	V	Fantaisie Baroque	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1903	
CRYPT	100	12.402	V	Quatuor Classic	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1904	
CRYPT	100	12.402	V	Harmonia Sacra	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1905	
CRYPT	100	12.402	V	Aurora Musicalis	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1906	
CRYPT	100	12.402	V	Reveries	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1907	
CRYPT	100	12.402	V	Jazz Festival	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1908	
CRYPT	100	12.402	V	Jazz Heritage	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1909	
CRYPT	100	12.402	V	New Jazz	EV2	MPEG-2	Mediaguard & Viaccess		27500	3/4		1910	
CRYPT	105	12.515	H	Radio 1	G	MPEG-2	IRDETO & Mediaguard		22000	5/6		223	
CRYPT	105	12.515	H	Radio 2	G	MPEG-2	IRDETO & Mediaguard		22000	5/6		224	
CRYPT	105	12.515	H	Radio 3 FM	G	MPEG-2	IRDETO & Mediaguard		22000	5/6		225	
CRYPT	105	12.515	H	Radio 4	G	MPEG-2	IRDETO & Mediaguard		22000	5/6		226	
CRYPT	105	12.515	H	Radio 5	G	MPEG-2	IRDETO & Mediaguard		22000	5/6		227	
Libre	108	12.552	V	Radio Italia	G	MPEG-2			22000	5/6	168	144	
Libre	108	12.552	V	Rete Italia	G	MPEG-2			22000	5/6	168	144	
Libre	108	12.552	V	Radio Dimensione Suono	G	MPEG-2			22000	5/6	168	144	
Libre	109	12.574	H	Veronica FM	G	MPEG-2			22000	5/6		223	
Libre	109	12.574	H	Kink FM	G	MPEG-2			22000	5/6		224	
Libre	109	12.574	H	Radio Nederland (Europe)	G	MPEG-2			22000	5/6		225	
Libre	109	12.574	H	Radio Nederland (External)	G	MPEG-2			22000	5/6		226	
Libre	111	12.604	H	Bayern 4 Klassik	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	B5 Aktuell	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	HR 1 Plus	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	HR 2	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	HR 2 Puls Klassik	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	HR XXL	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	NDR Radio 3	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	NDR 4 Info	G	MPEG-2			22000	5/6	701	702	
Libre	111	12.604	H	Radio Bremen	G	MPEG-2			22000	5/6	701	702	
Libre	115	12.663	H	DeutschlandRadio	G	MPEG-2			22000	5/6		710	
Libre	115	12.663	H	Deutschlandfunk	G	MPEG-2			22000	5/6		810	
Libre	116	12.670	V	Radio Italia	G	MPEG-2			22000	5/6		98	
Libre	116	12.670	V	Rete Italia	G	MPEG-2			22000	5/6		99	

Libre	116	12.670	V	Radio Dimensione Suono	G	MPEG-2			22000	5/6		120	
Libre	117	12.692	H	Osterreich 1	G	MPEG-2			22000	5/6		169	
Libre	117	12.692	H	Hitradio O 3	G	MPEG-2			22000	5/6		171	
Libre	117	12.692	H	Blue Danube Radio / FM 4	G	MPEG-2			22000	5/6		172	
Libre	117	12.692	H	Radio Osterreich International	G	MPEG-2			22000	5/6		173	
Libre	117	12.692	H	Blue Danube Radio	G	MPEG-2			22000	5/6		174	
Libre	117	12.692	H	O 2 Radio Wien	G	MPEG-2			22000	5/6		431	
Libre	117	12.692	H	O 2 Radio Niederosterreich	G	MPEG-2			22000	5/6		432	
Libre	117	12.692	H	O 2 Radio Burgenland	G	MPEG-2			22000	5/6		433	
Libre	117	12.692	H	O 2 Radio Oberosterreich	G	MPEG-2			22000	5/6		434	
Libre	117	12.692	H	O 2 Radio Salzburg	G	MPEG-2			22000	5/6		435	
Libre	117	12.692	H	O 2 Radio Tirol	G	MPEG-2			22000	5/6		436	
Libre	117	12.692	H	O 2 Radio Vorarlberg	G	MPEG-2			22000	5/6		437	
Libre	117	12.692	H	O 2 Radio Steiermark	G	MPEG-2			22000	5/6		438	
Libre	117	12.692	H	O 2 Radio Karnten	G	MPEG-2			22000	5/6		439	
Libre	119	12.722	H	MDR Kultur	G	MPEG-2			22000	5/6		801	
Libre	119	12.722	H	Fritz	G	MPEG-2			22000	5/6		1001	
Libre	119	12.722	H	MDR Life	G	MPEG-2			22000	5/6		1001	
Libre	119	12.722	H	MDR Info	G	MPEG-2			22000	5/6		1101	
Libre	119	12.722	H	MDR Sputnik	G	MPEG-2			22000	5/6		1201	
Libre	119	12.722	H	SFB 4 MultiKulti	G	MPEG-2			22000	5/6		1301	
Libre	119	12.722	H	WDR 3	G	MPEG-2			22000	5/6		1601	
Libre	119	12.722	H	WDR Radio 5	G	MPEG-2			22000	5/6		1805	
Libre	71	11.837	H	CNN Radio	G	MPEG-2			27500	3/4		101	

Prof. Andrés Roldán Aranda

Tecnología de la TV 2