

MID CHANNEL_5775 MHz

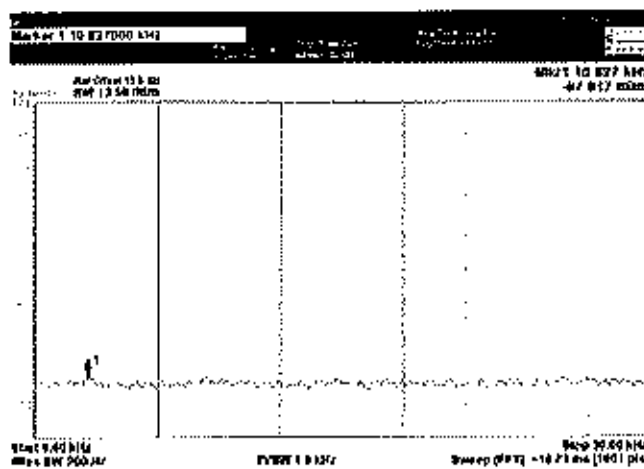


Figure 161 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

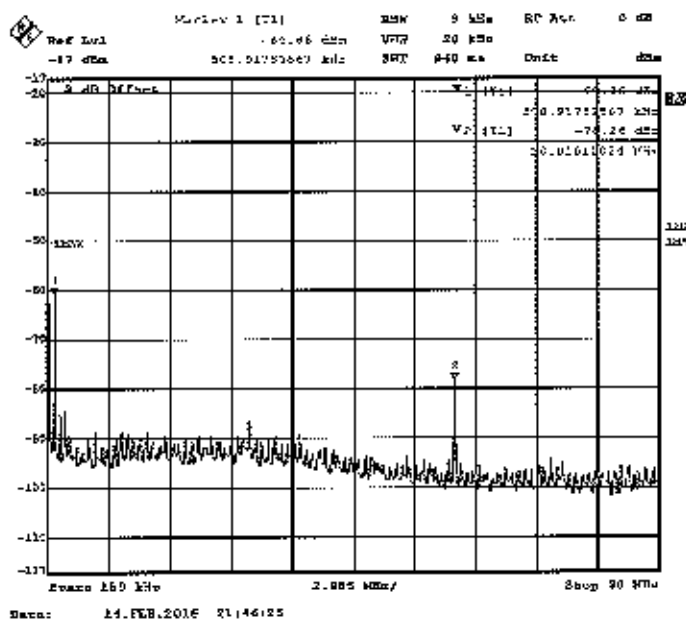


Figure 162 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

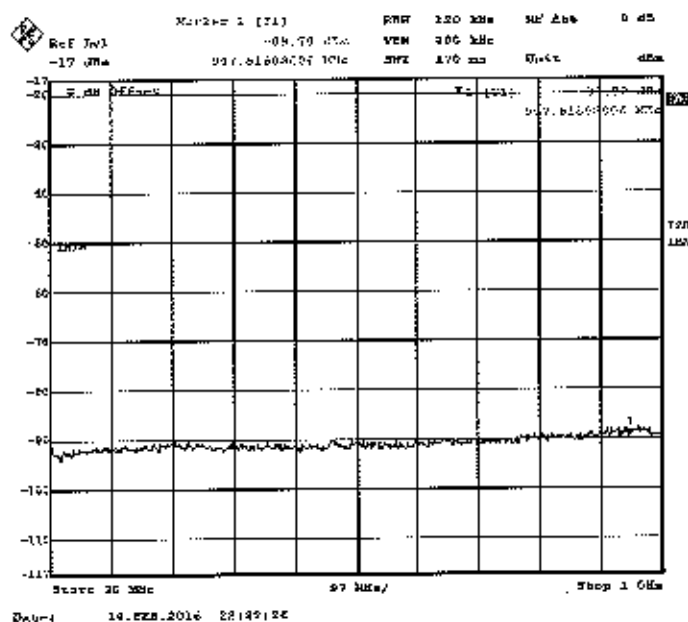


Figure 163 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

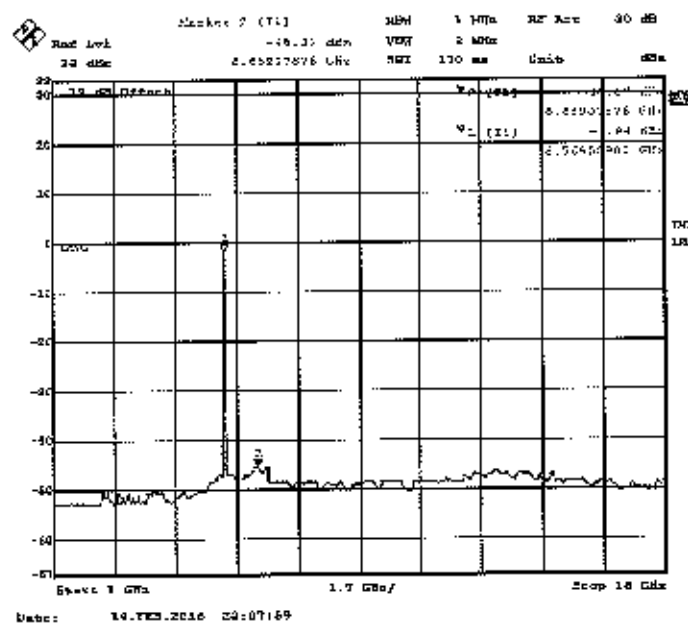


Figure 164 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

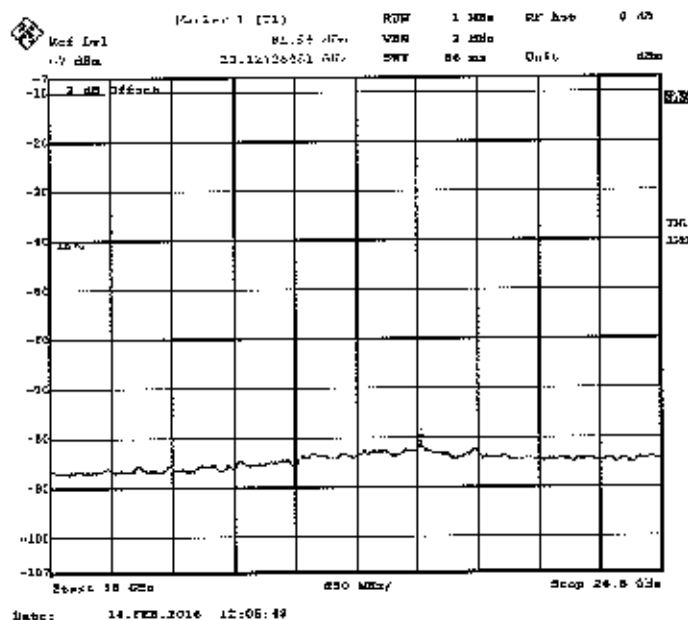


Figure 165 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

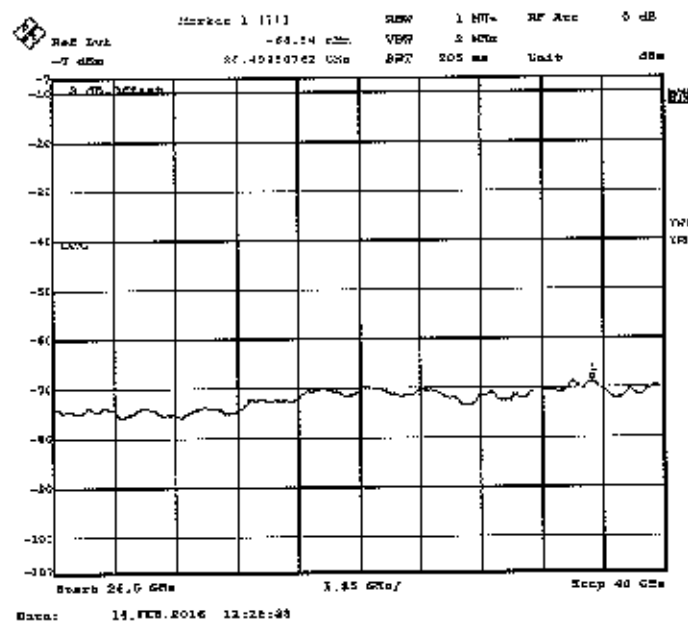


Figure 166 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

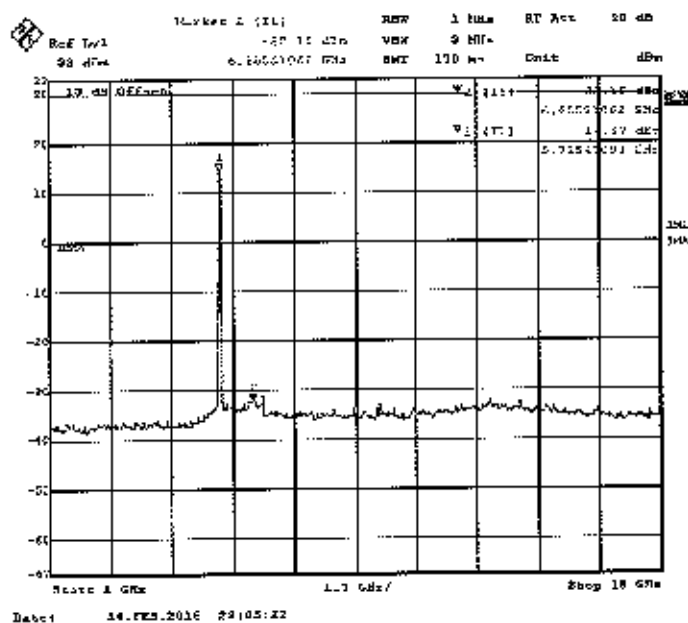


Figure 167 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

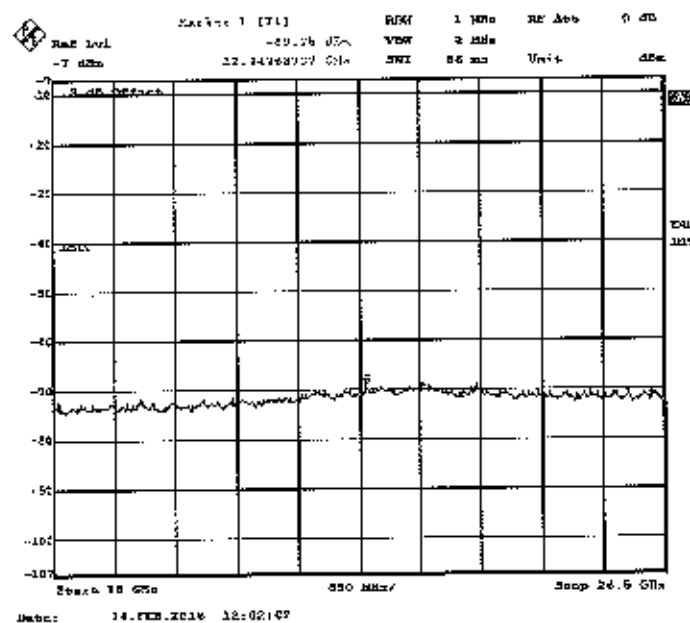


Figure 168 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

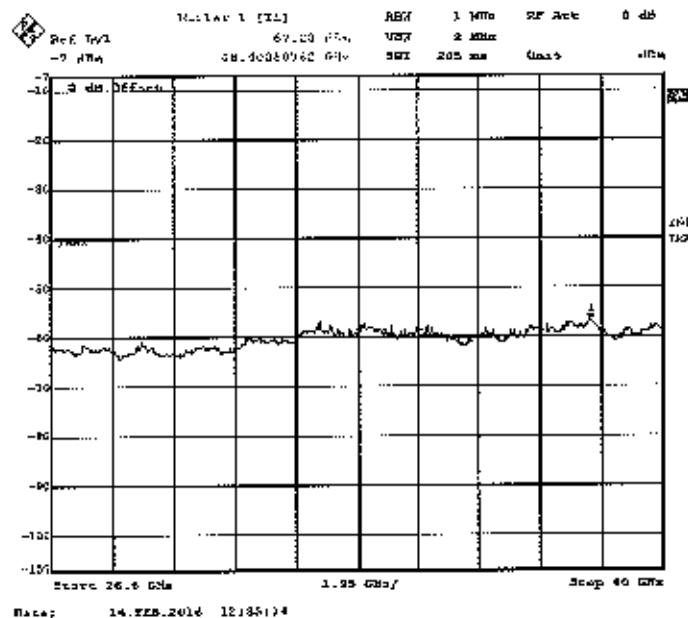


Figure 169 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

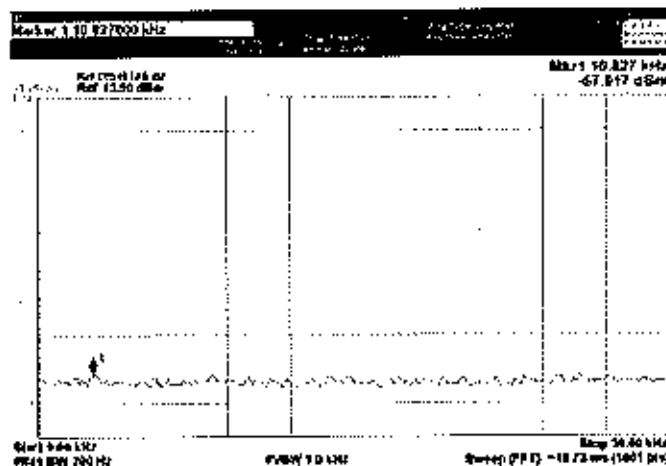


Figure 170 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

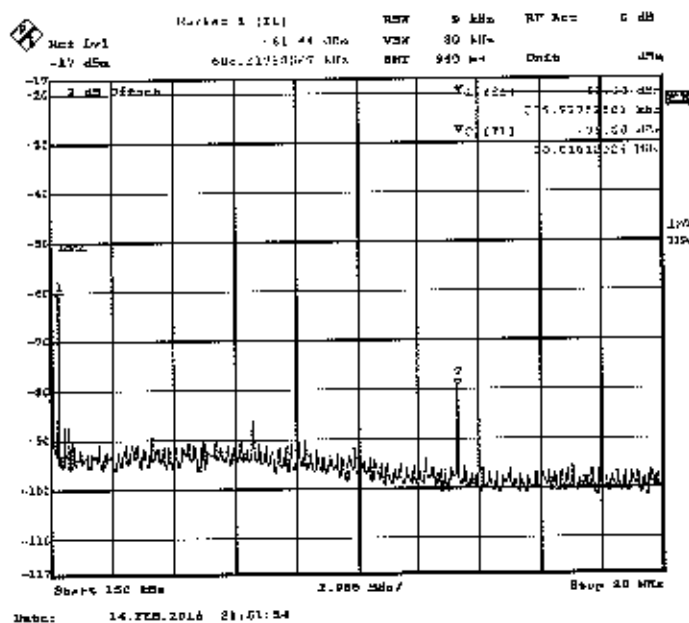


Figure 171 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

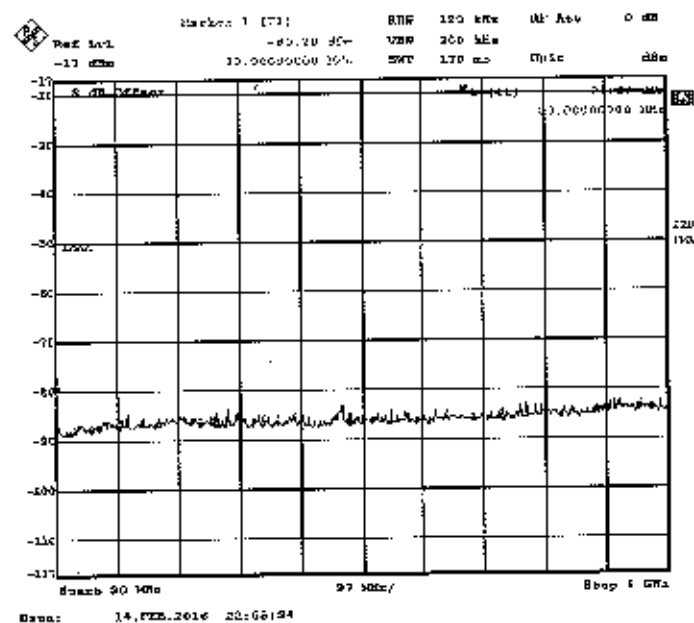


Figure 172 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

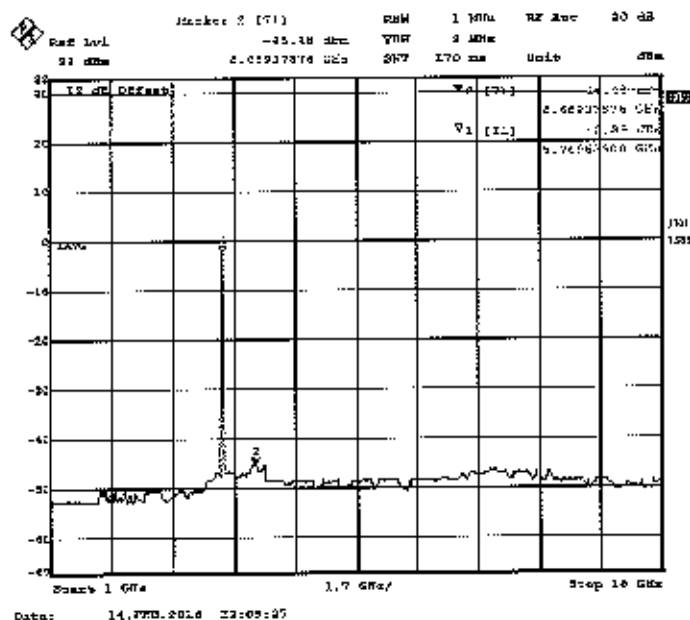


Figure 173 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

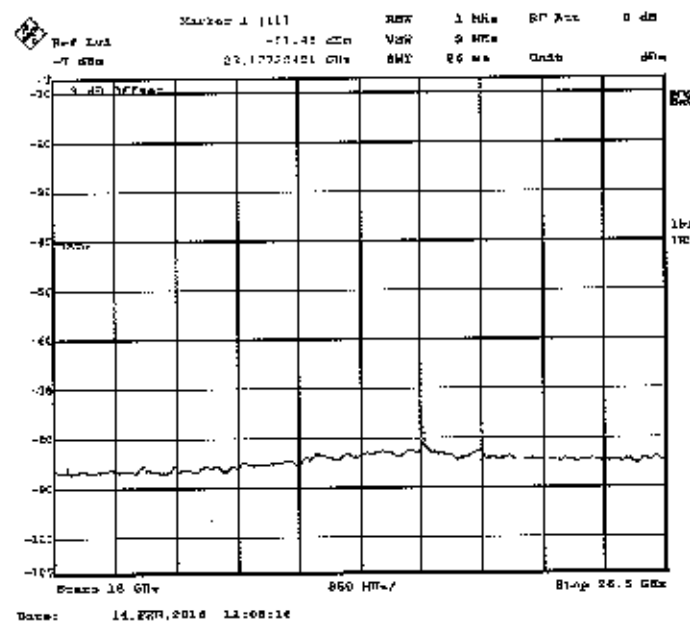
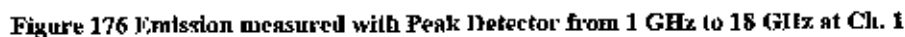


Figure 174 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1



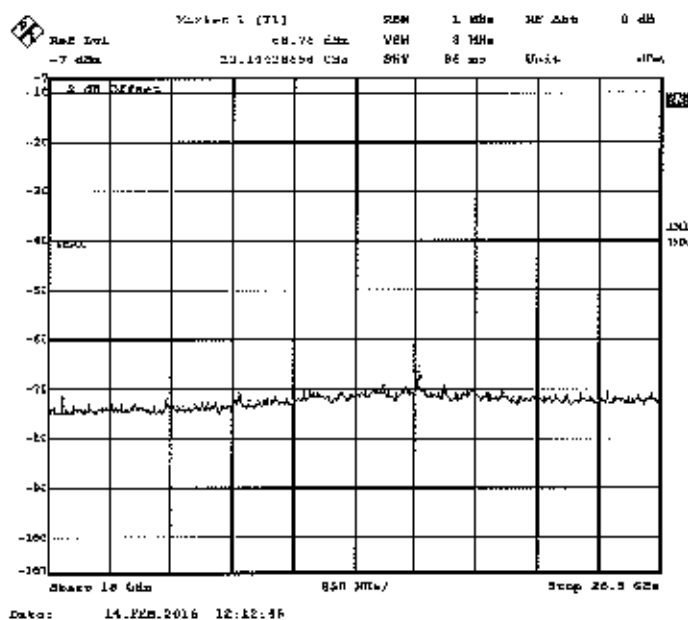


Figure 177 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

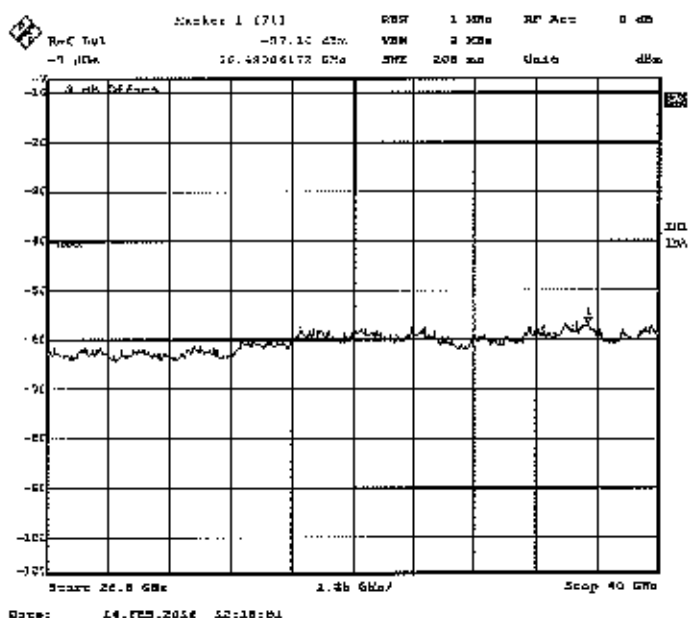


Figure 178 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

III HIGH CHANNEL_5825 MHz

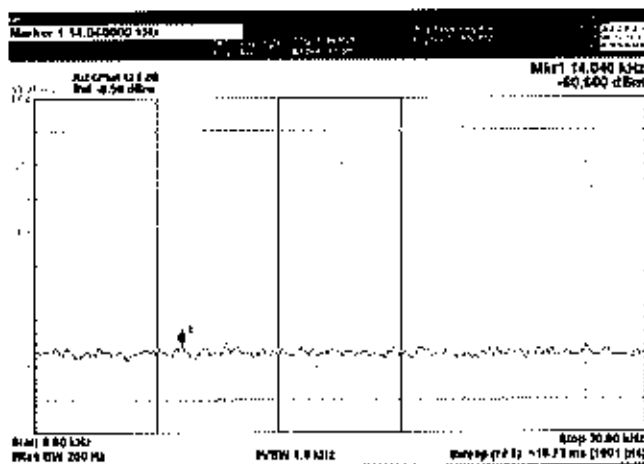


Figure 179 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

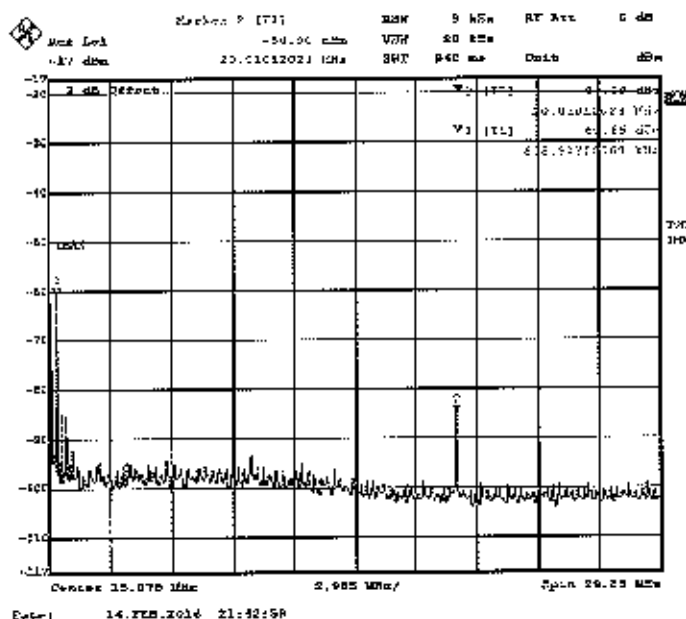


Figure 180 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

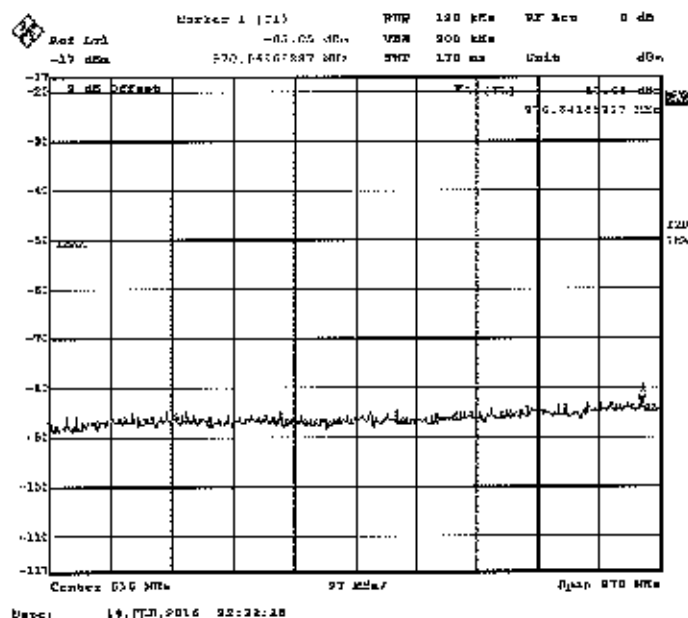


Figure 181 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

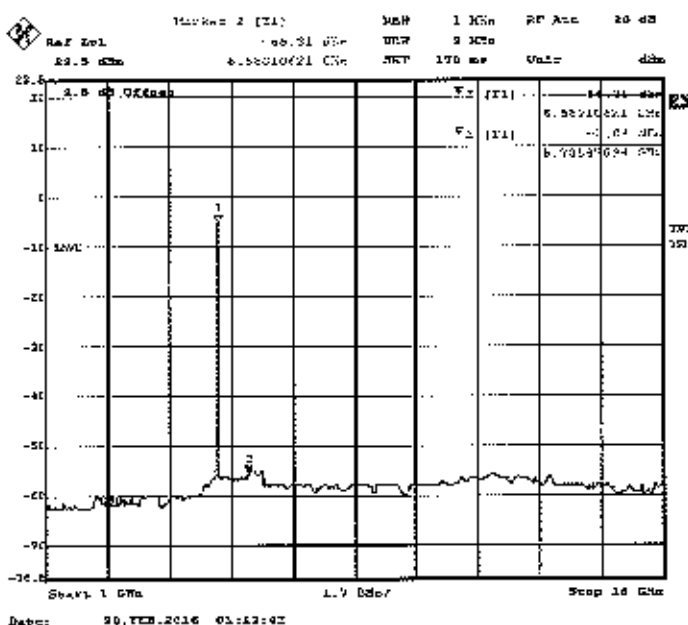


Figure 182 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

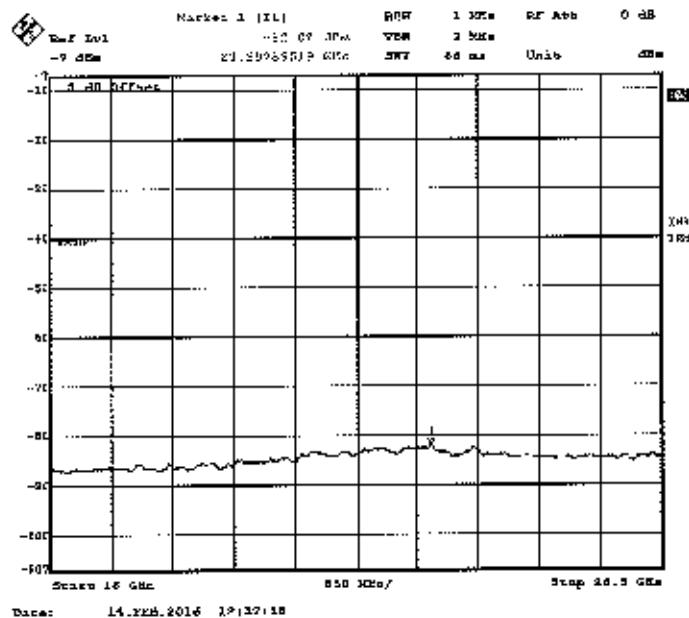


Figure 183 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

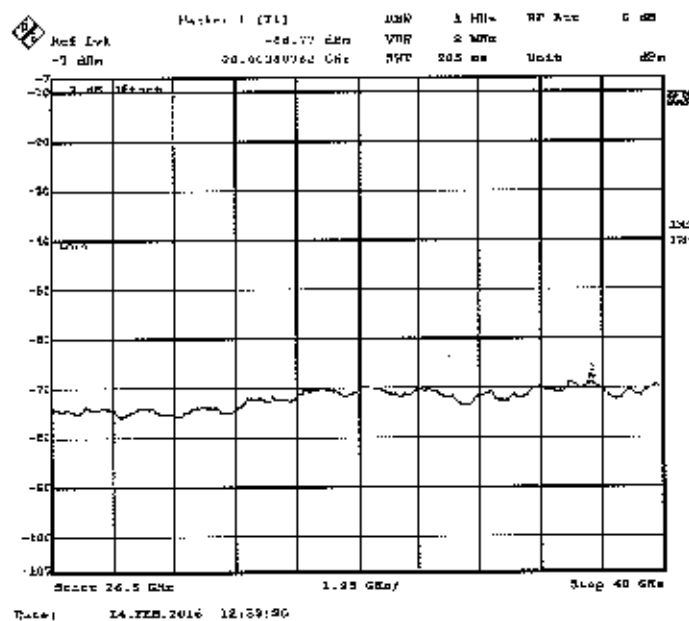


Figure 184 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

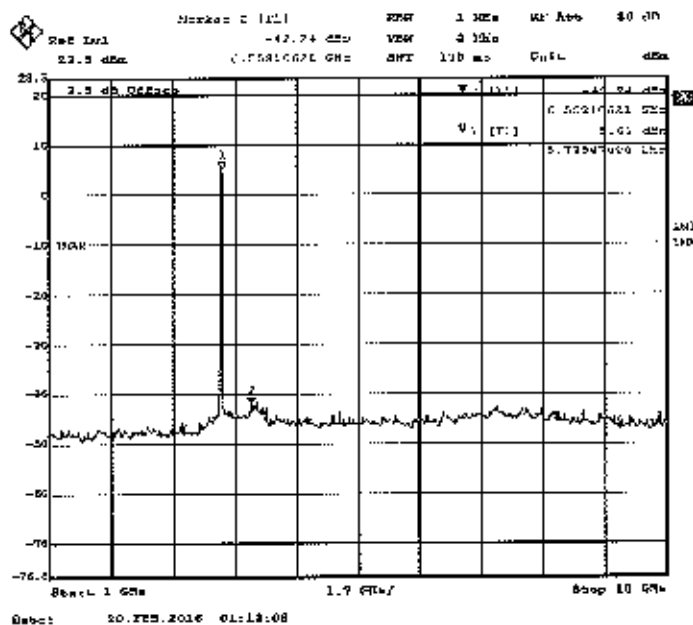


Figure 185 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

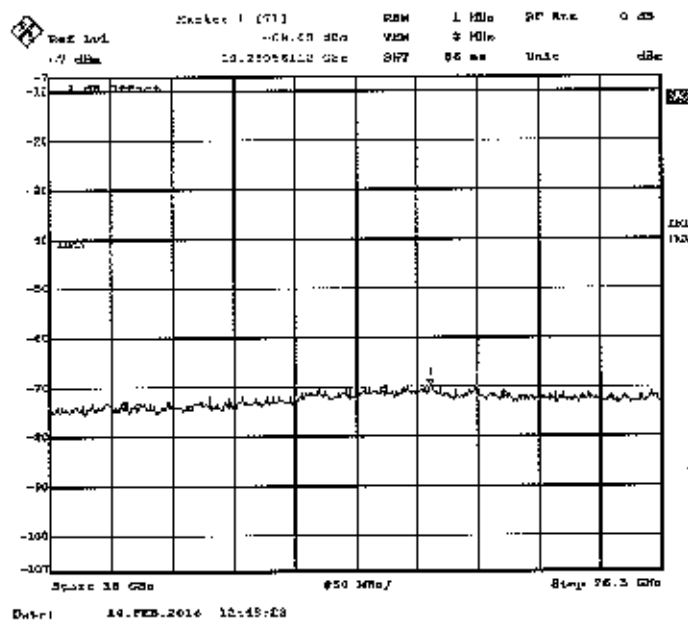


Figure 186 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

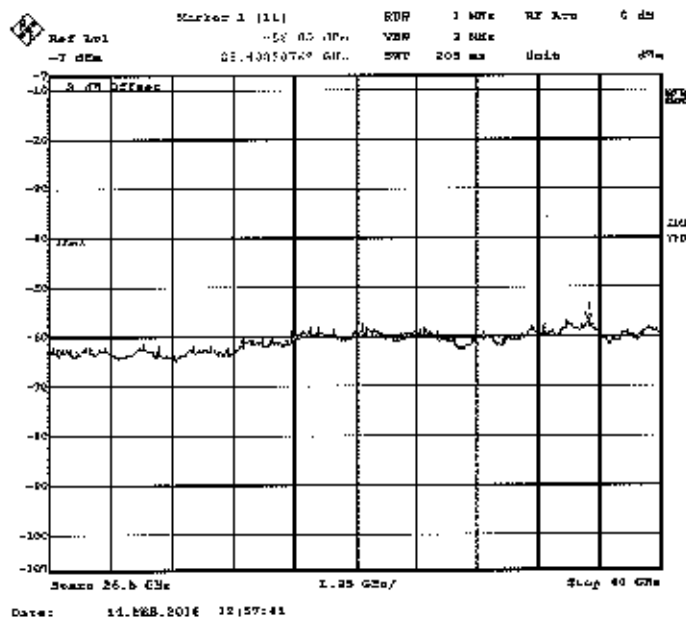


Figure 187 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

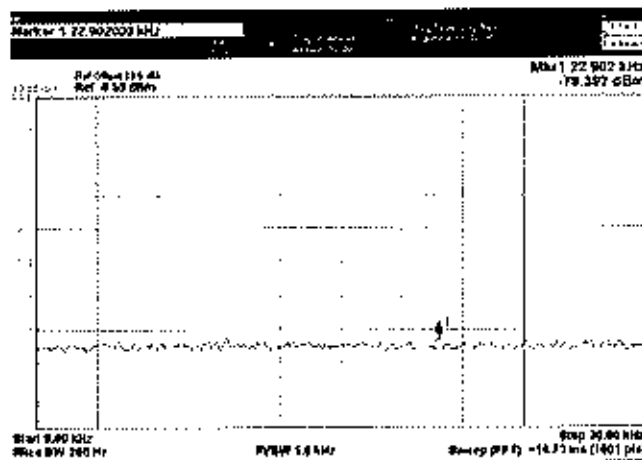


Figure 188 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1



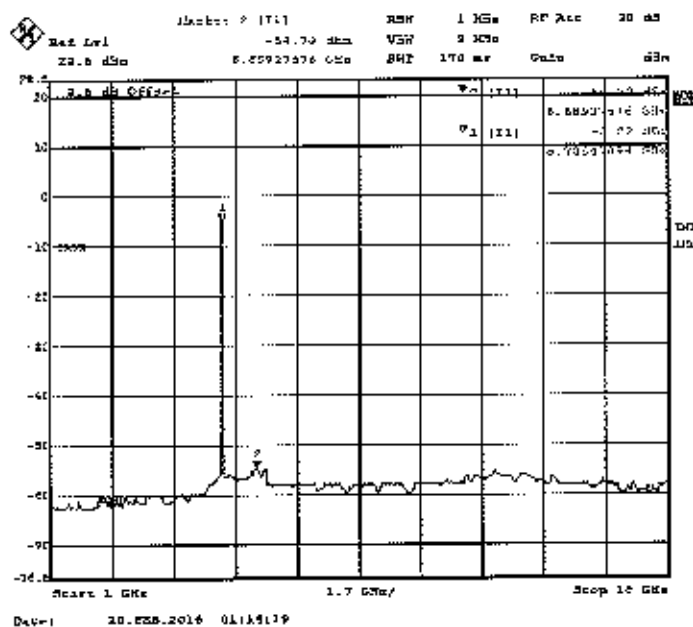


Figure 191 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

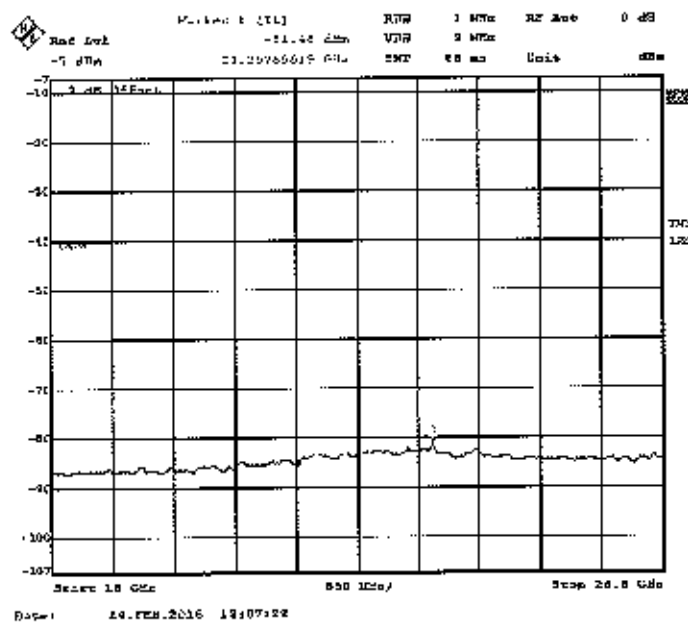


Figure 192 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

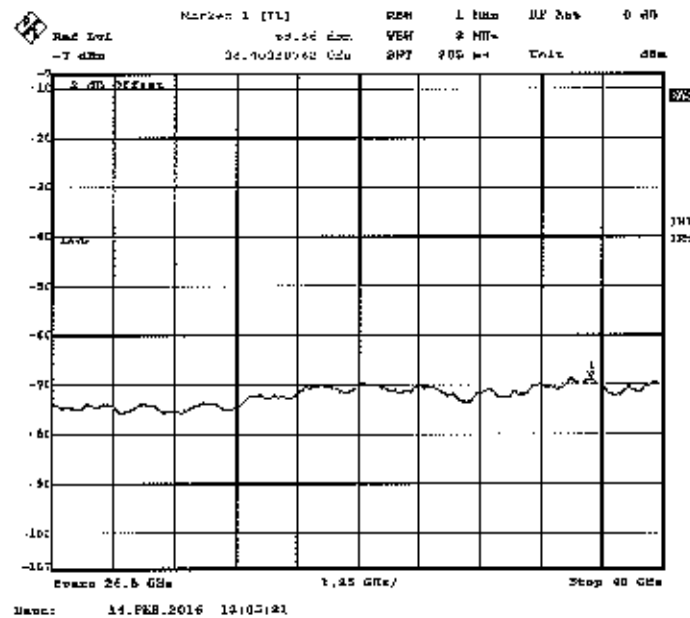


Figure 193 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

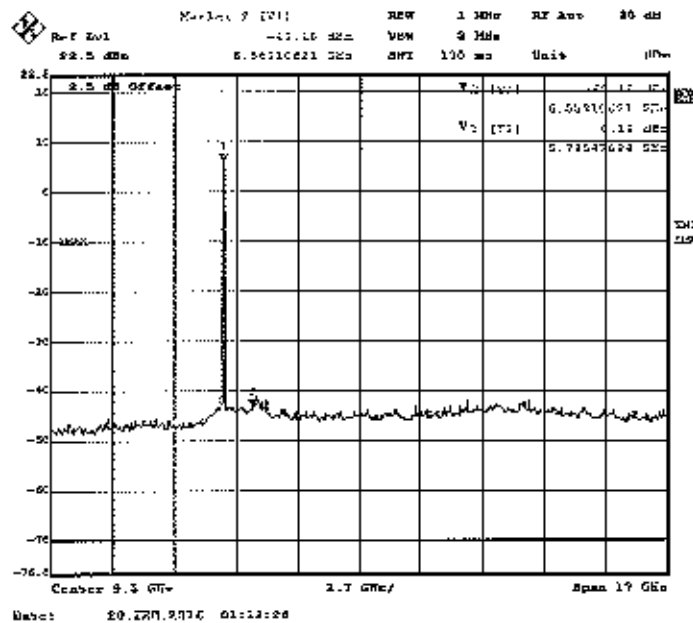


Figure 194 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

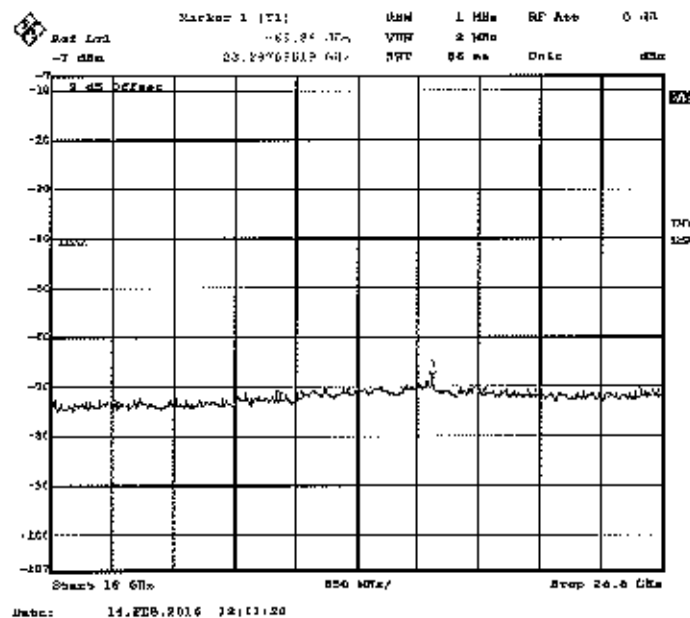


Figure 195 Emission measured with Peak Detector from 18 GHz to 26,5 GHz at Ch. 1

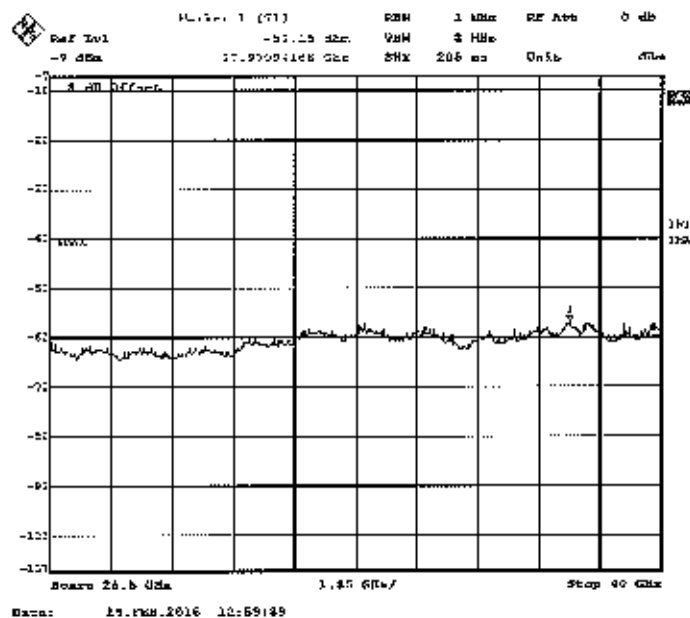


Figure 196 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

5.3.7.5.2 5 MHz MODULATION BANDWIDTH FOR 17 dBi ANTENNA CONDITION LOW CHANNEL_5735 MHz

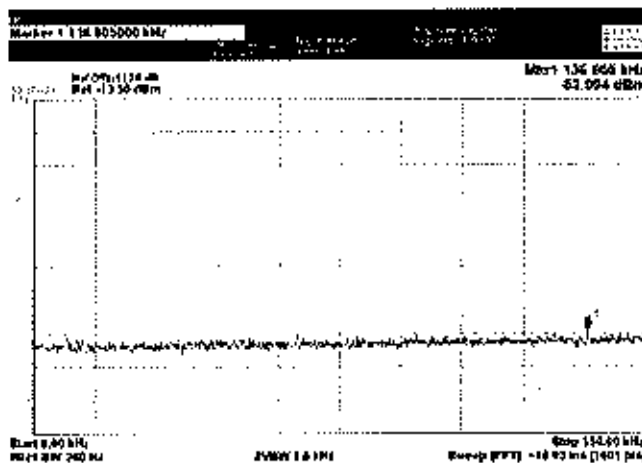


Figure 197 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

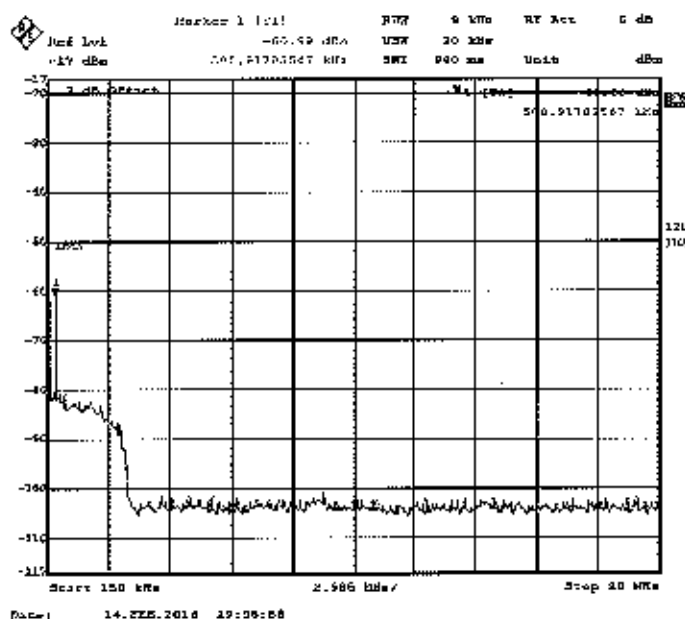


Figure 198 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

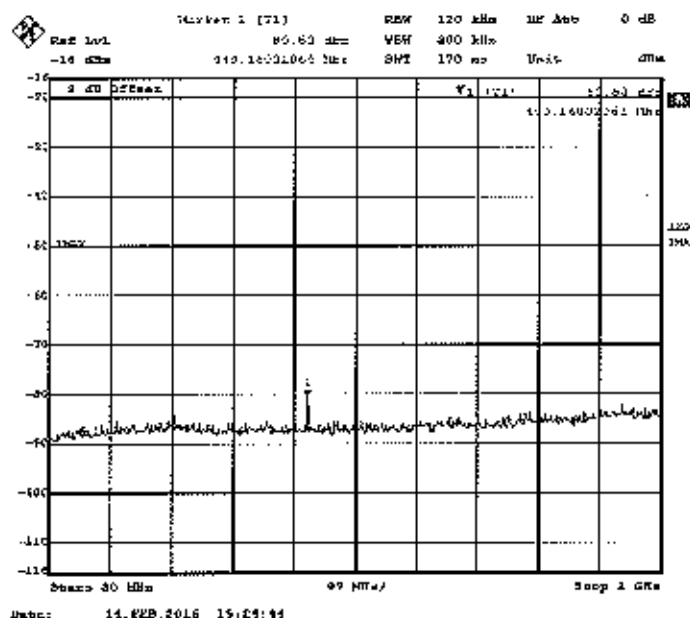


Figure 199 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

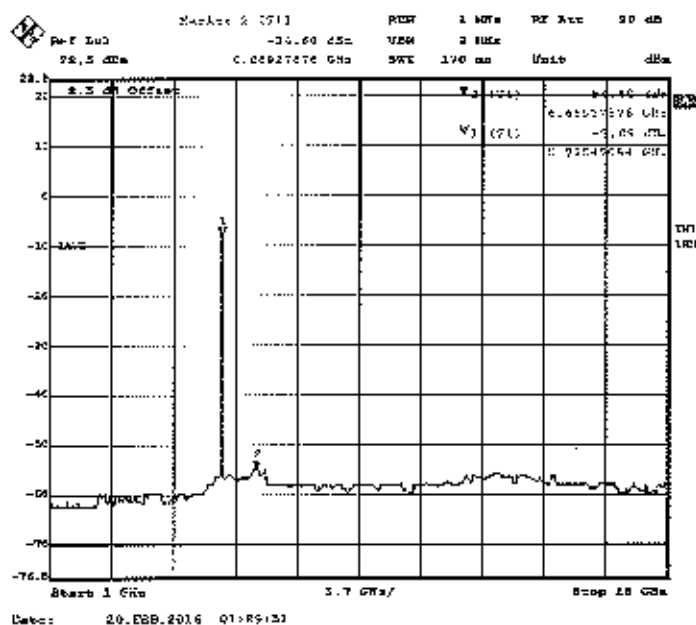


Figure 200 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

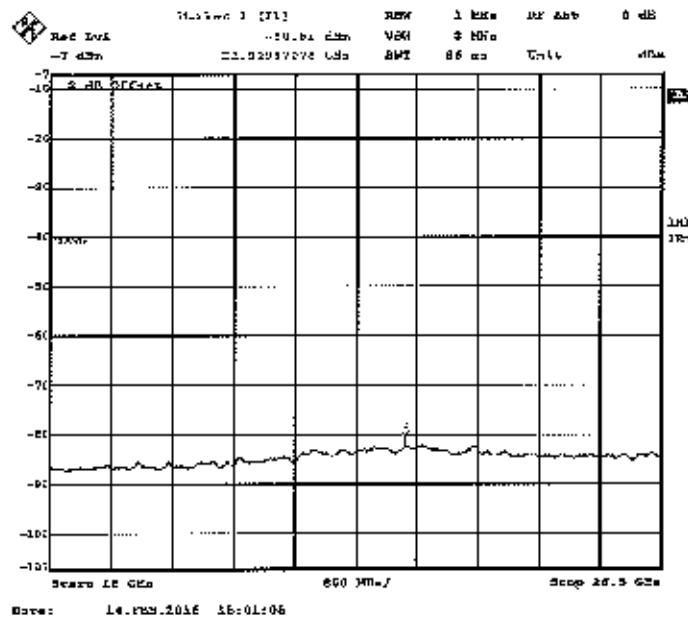


Figure 201 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

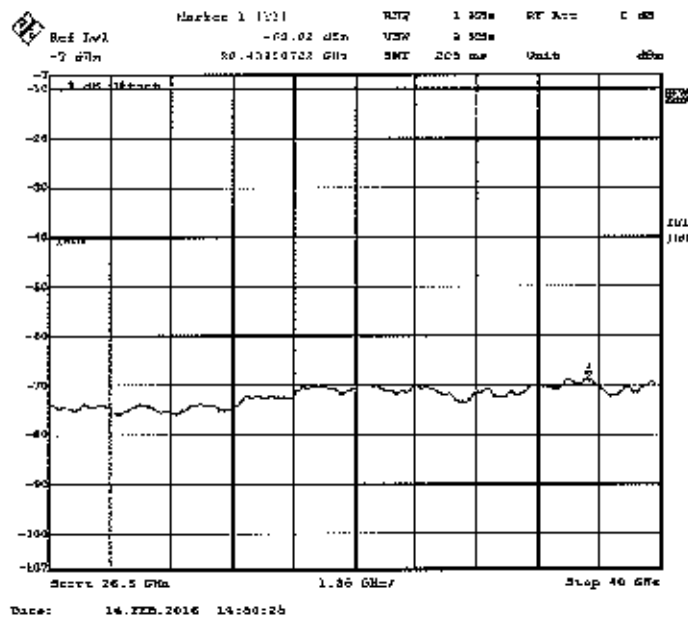


Figure 202 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0



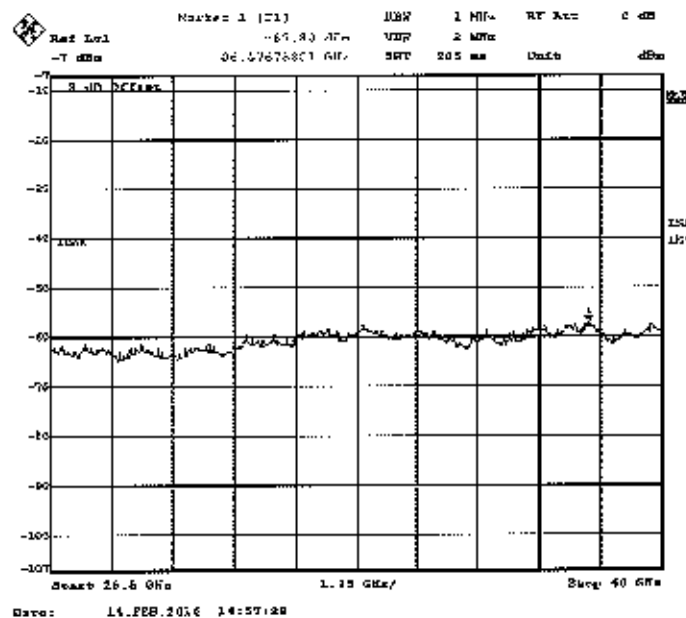


Figure 205 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

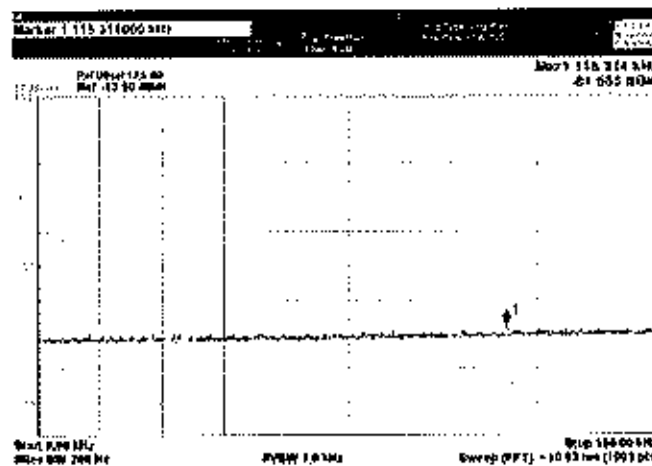


Figure 206 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

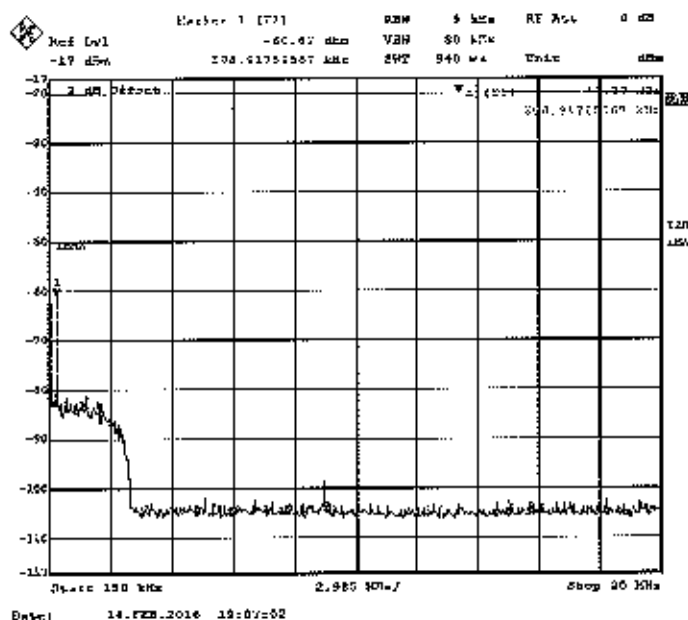


Figure 207 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

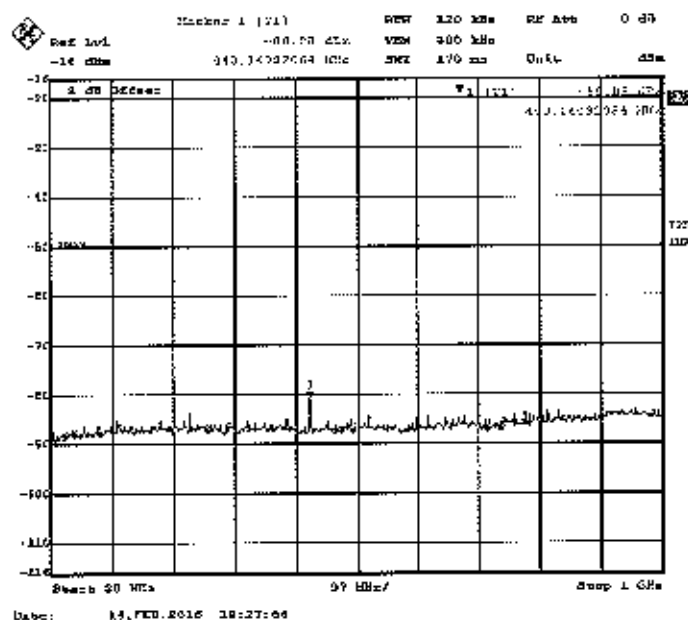


Figure 208 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

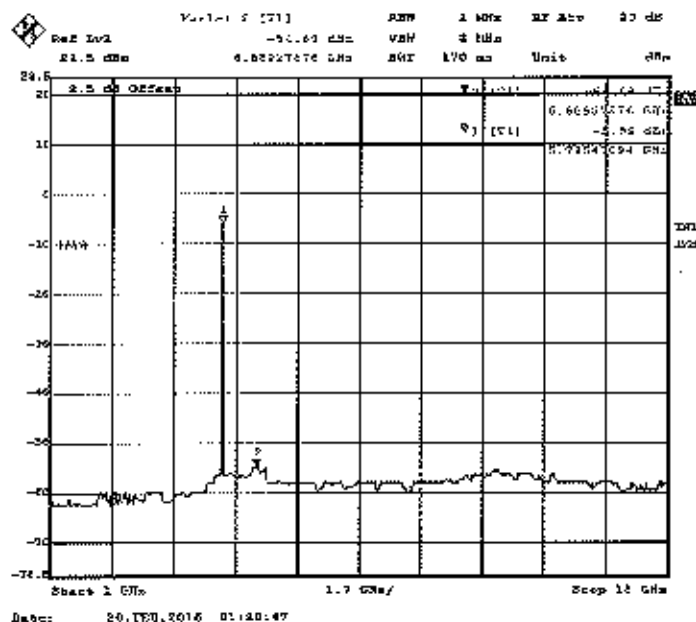


Figure 209 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

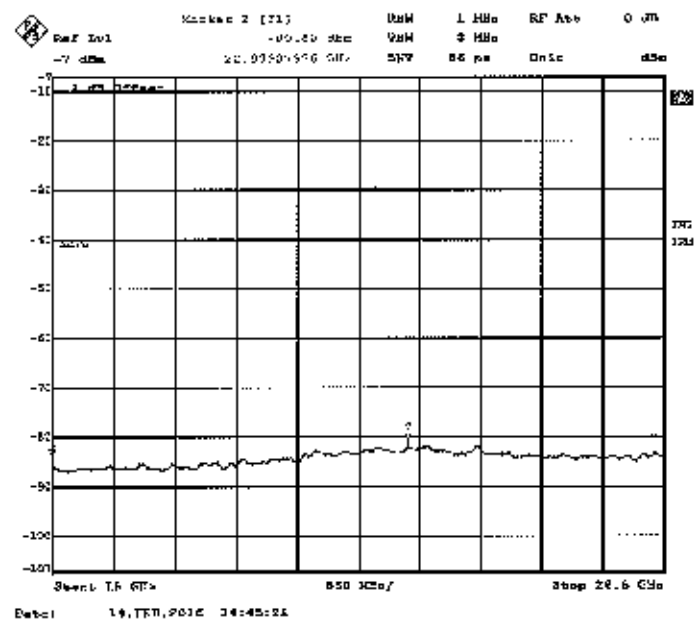


Figure 210 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

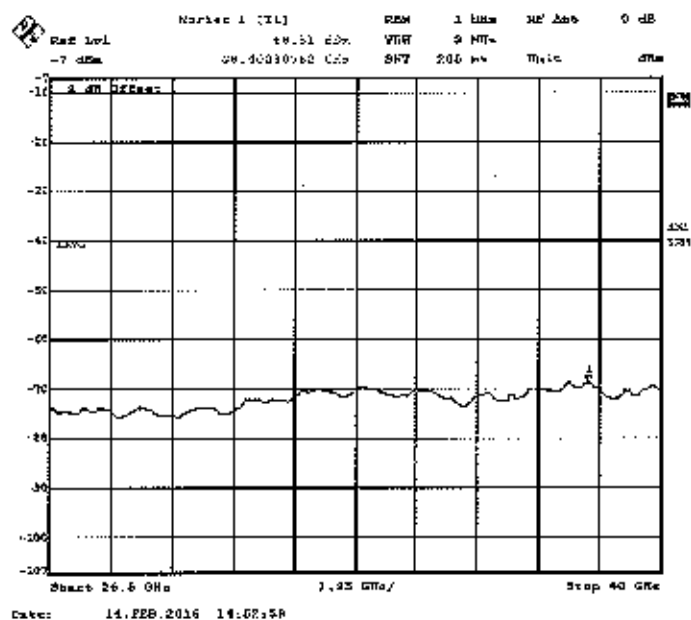


Figure 211 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

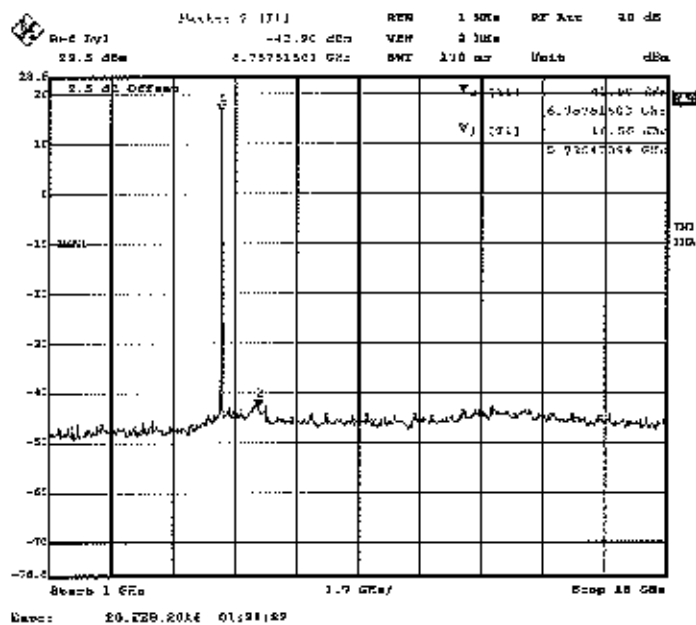


Figure 212 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

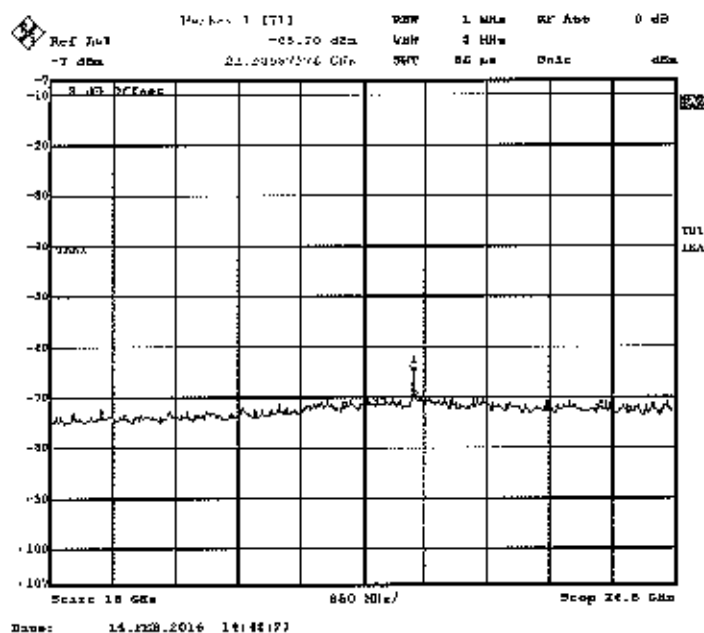


Figure 213 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

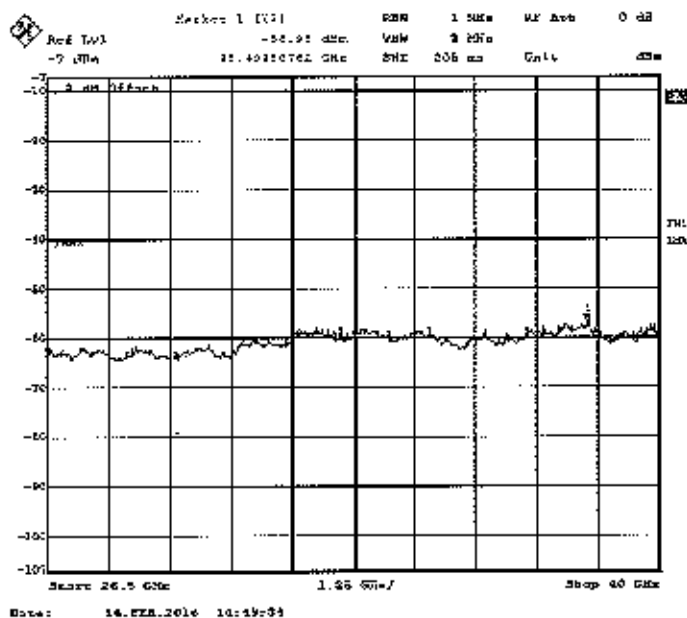


Figure 214 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

[illegible]

Marker 1 1015
 Ref Lvl -17 dBm
 FREQ 101.500000 MHz
 SPAN 20 MHz
 RES BW 9 kHz
 SWE 200 ms
 Units dBm
 dBm

1. dBm
 101.500000 MHz

100 MHz
 102 MHz

Center 101.500 MHz
 2.000 MHz
 Span 20.00 MHz

Date: 14.FEB.2016 19:10:17

'This report should always be reproduced in full. Any extracts of this report is invalid.'

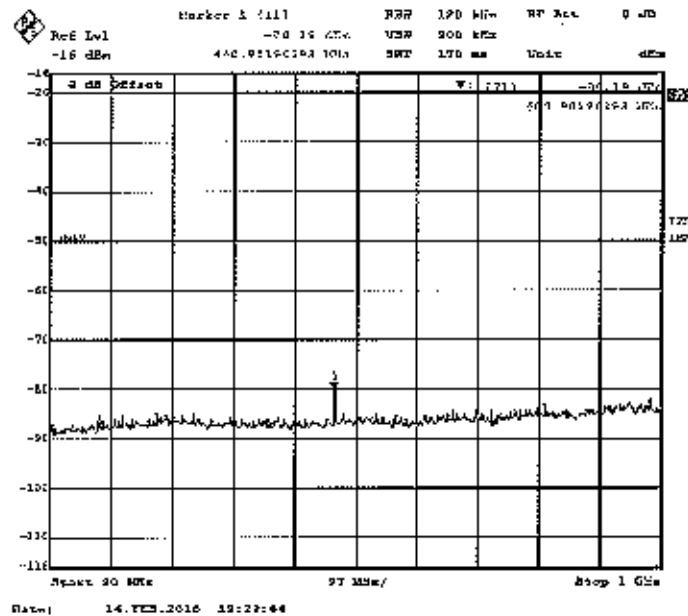


Figure 217 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

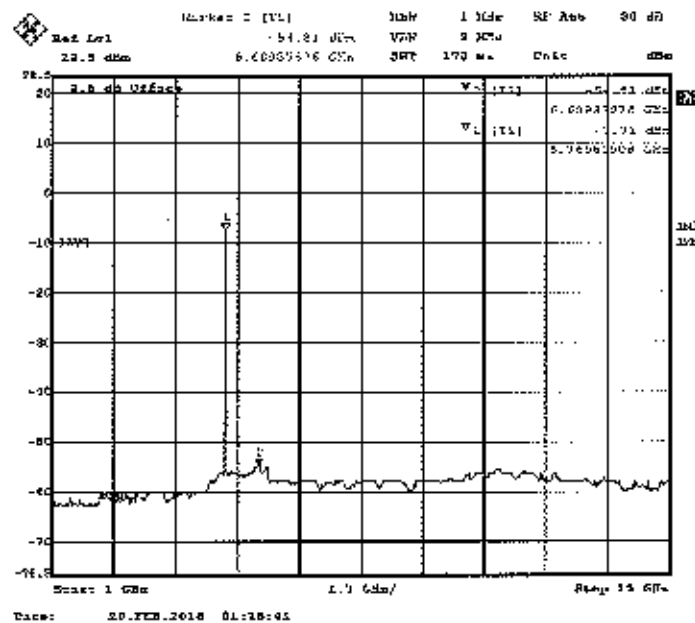


Figure 218 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

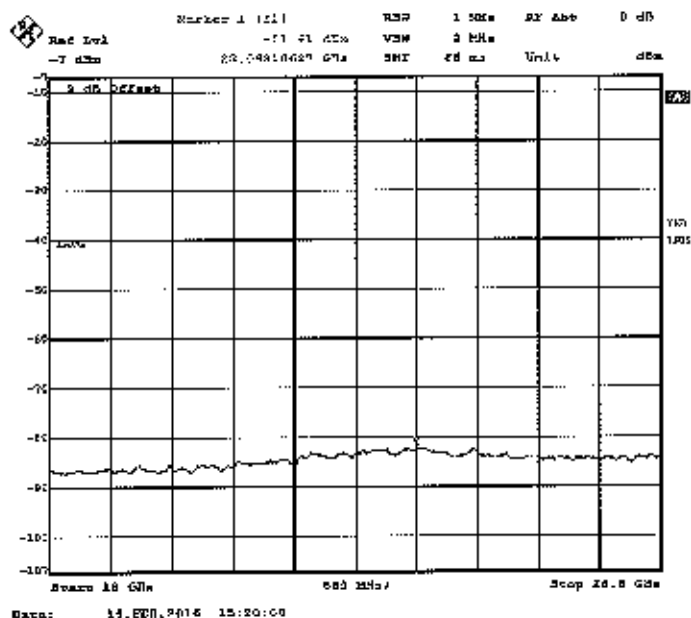


Figure 219 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

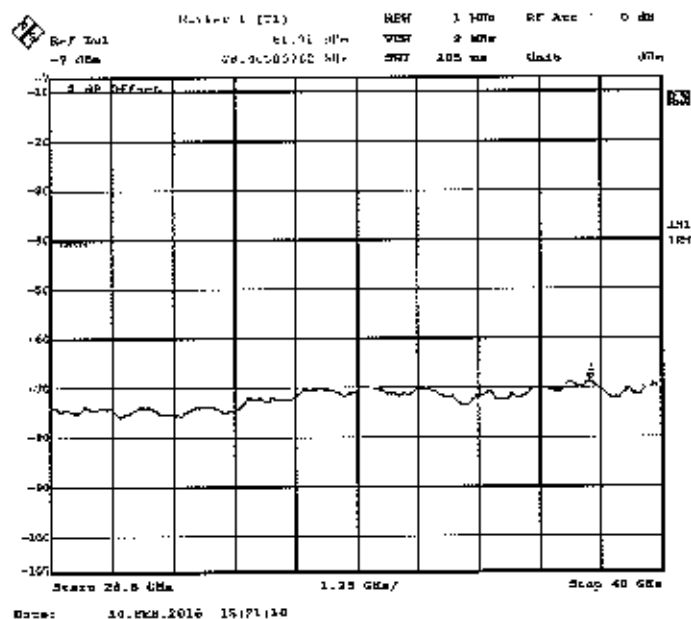


Figure 220 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

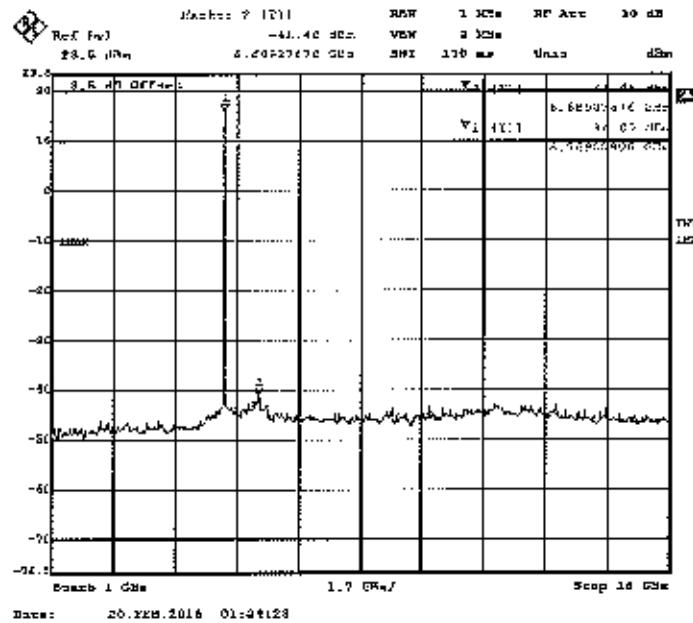


Figure 221 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

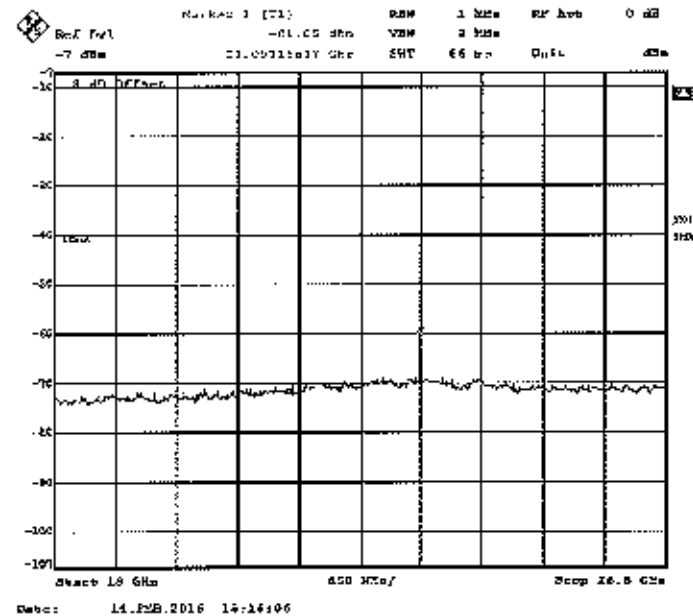


Figure 222 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

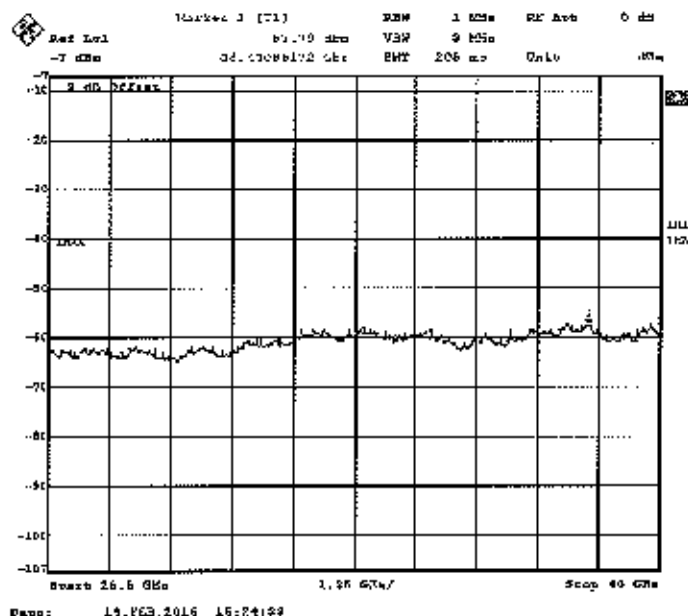


Figure 223 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

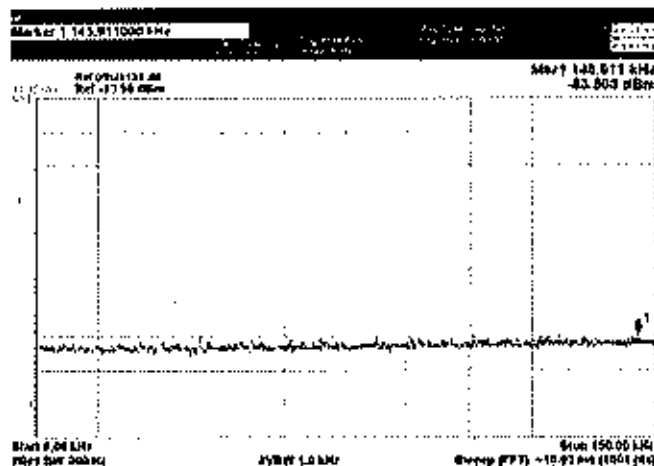


Figure 224 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

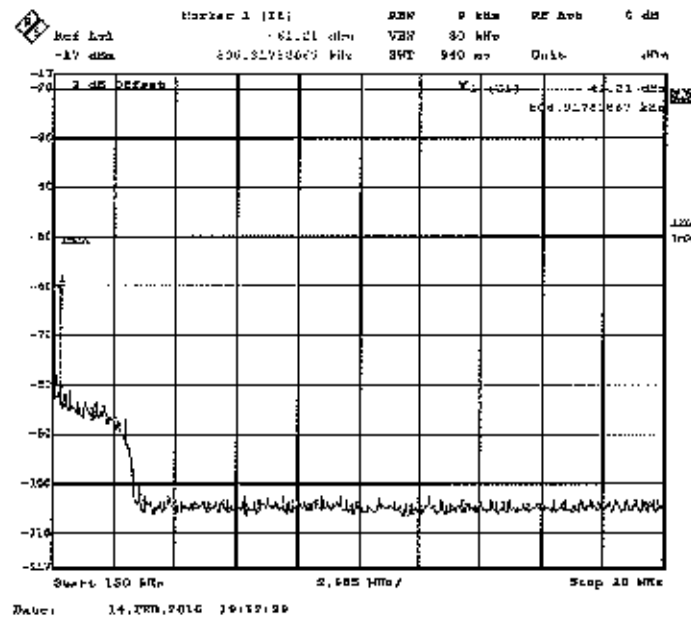


Figure 225 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

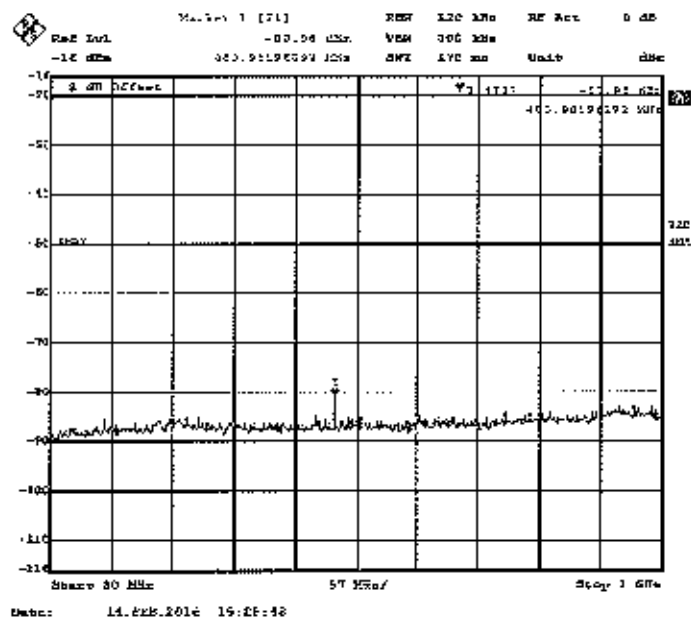


Figure 226 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

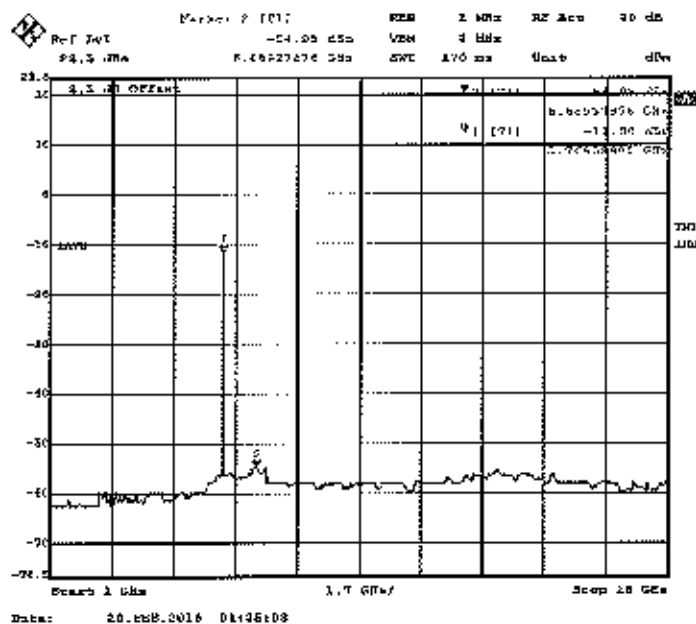


Figure 227 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

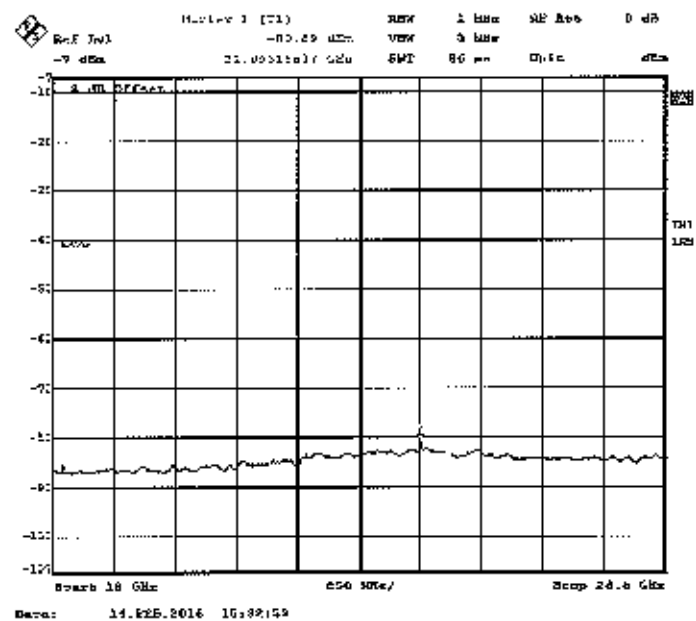


Figure 228 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

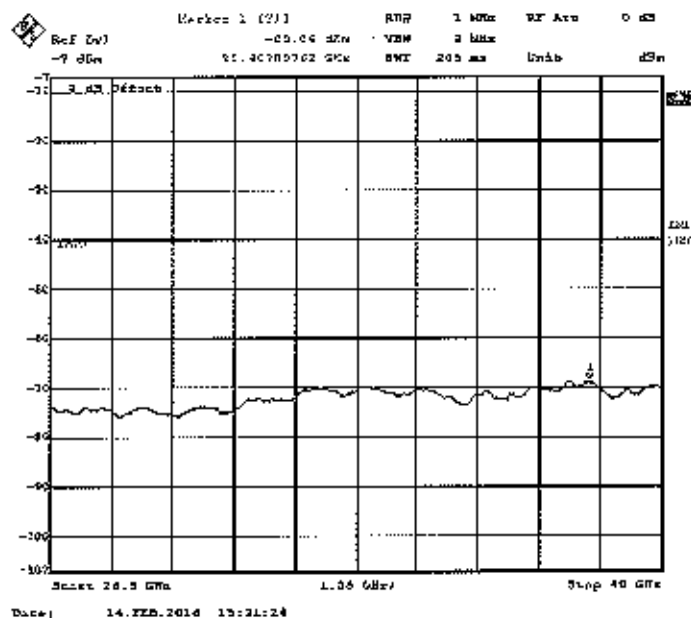


Figure 229 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

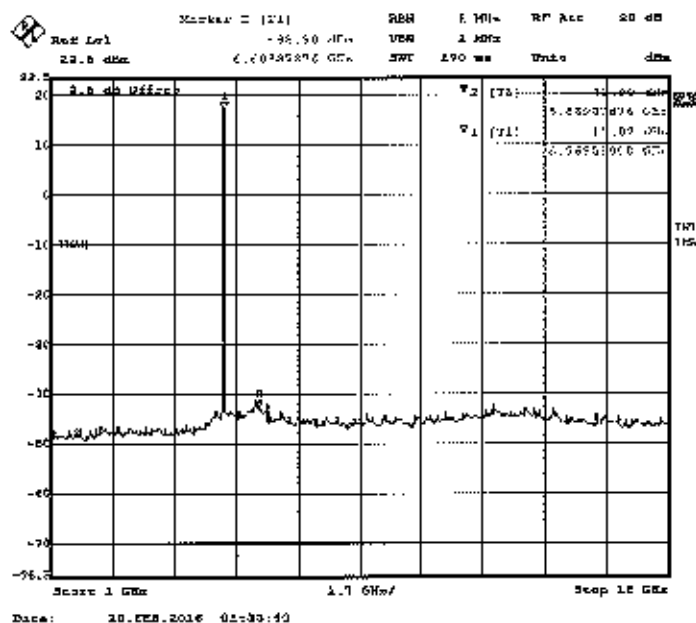


Figure 230 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

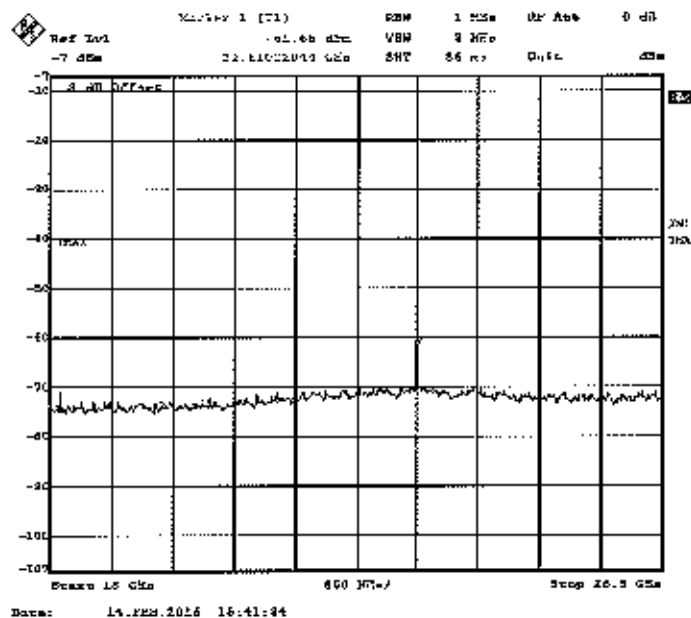


Figure 231 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

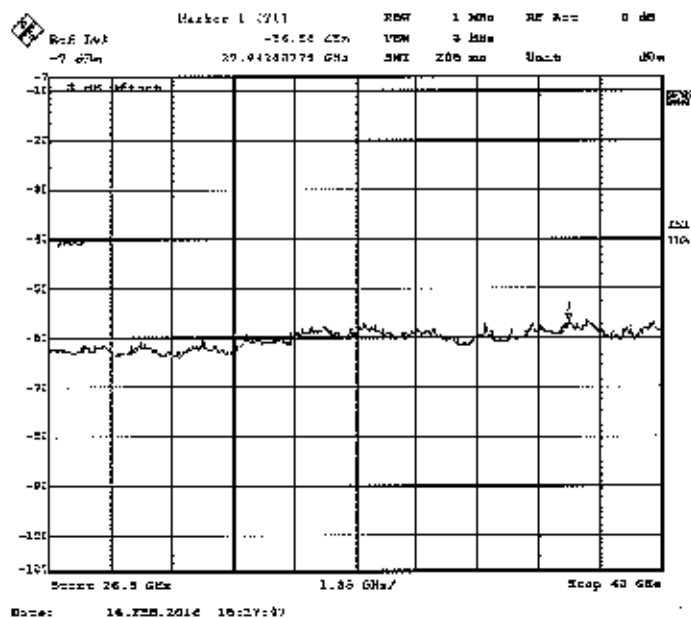


Figure 232 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

III HIGH CHANNEL _5840 MHz

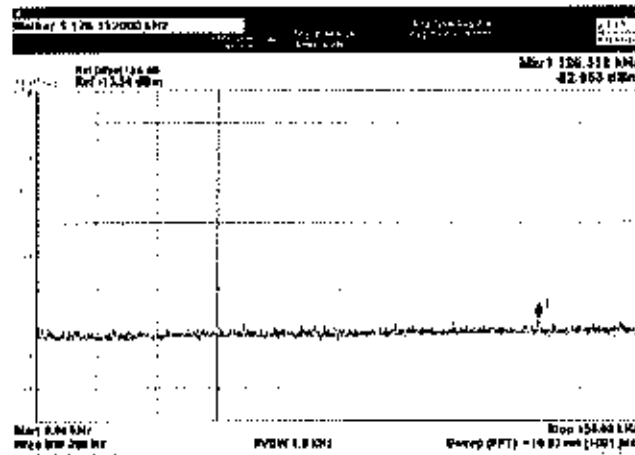


Figure 233 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

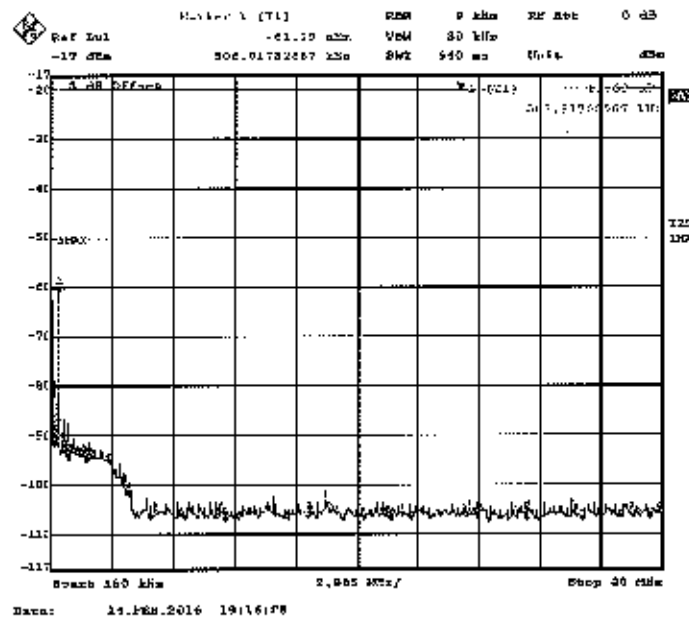


Figure 234 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

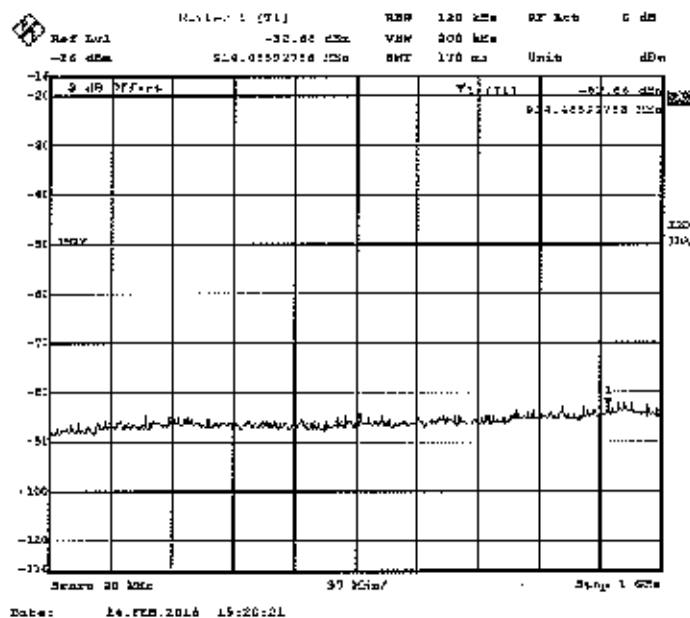


Figure 235 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

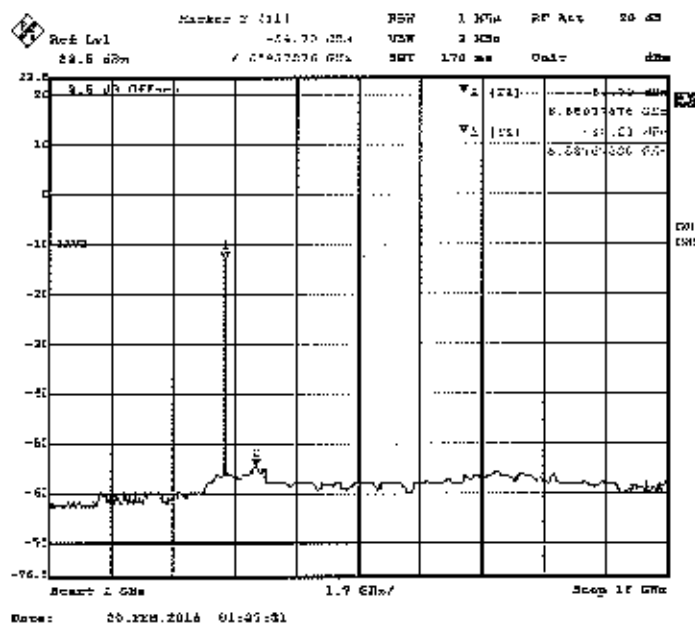


Figure 236 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

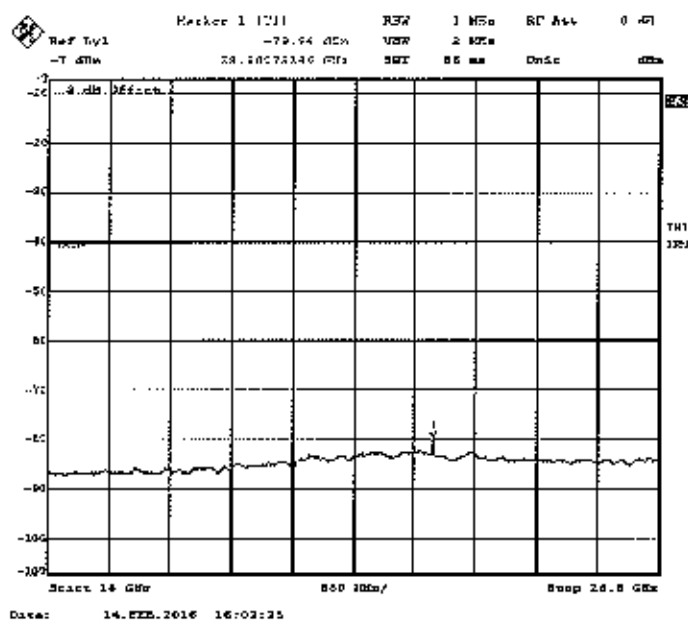


Figure 237 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

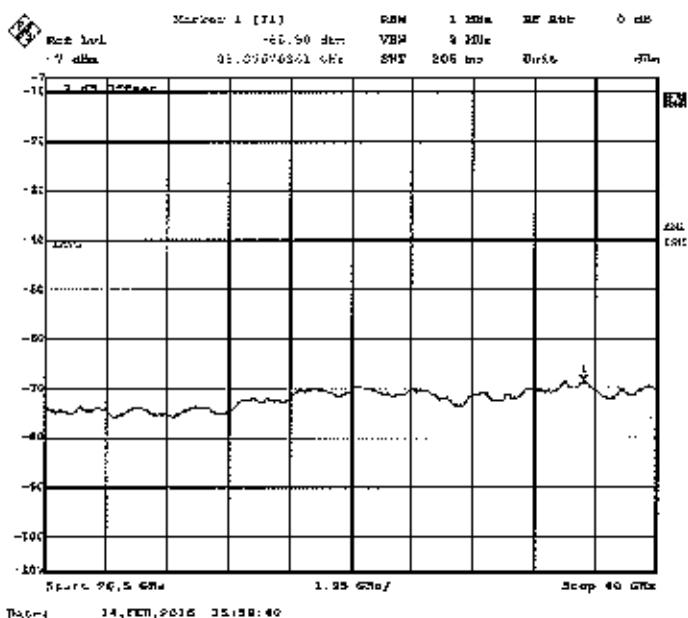


Figure 238 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

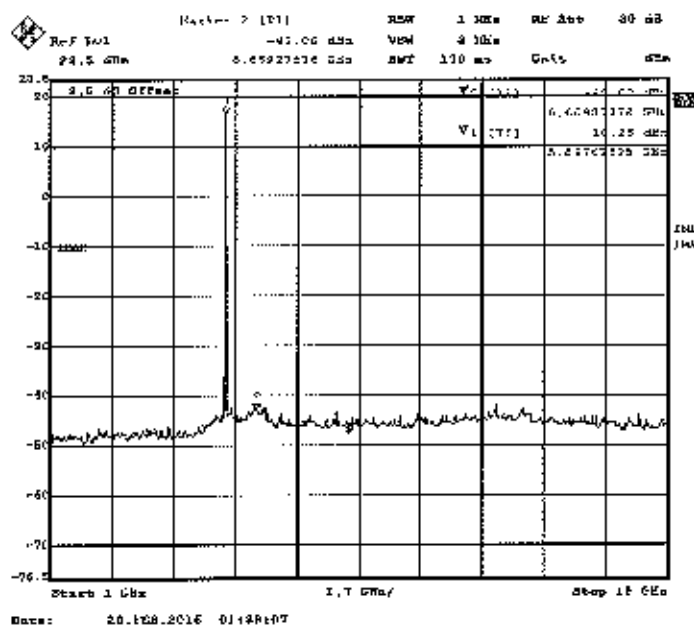


Figure 239 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

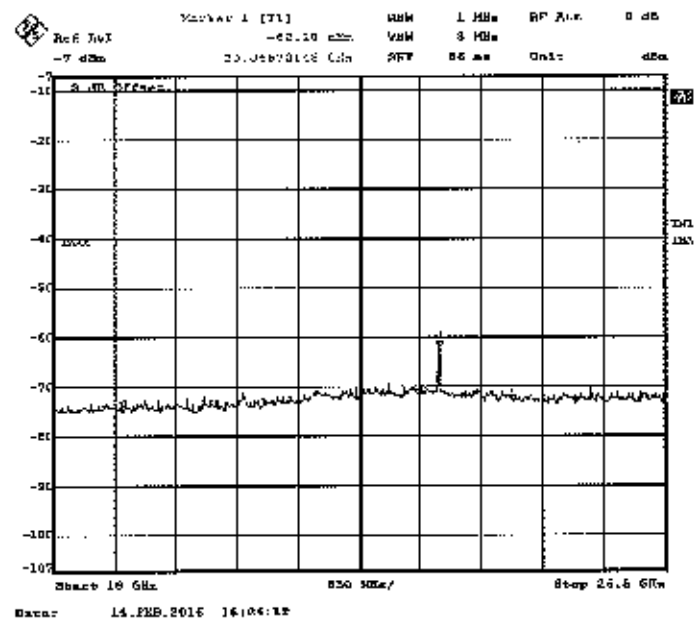
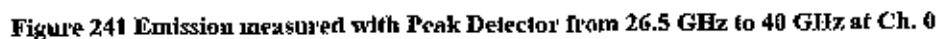


Figure 240 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0



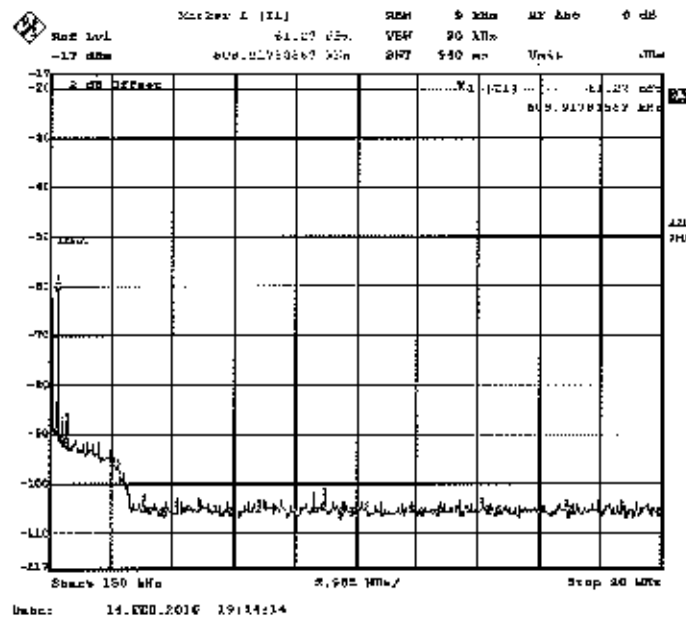


Figure 243 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

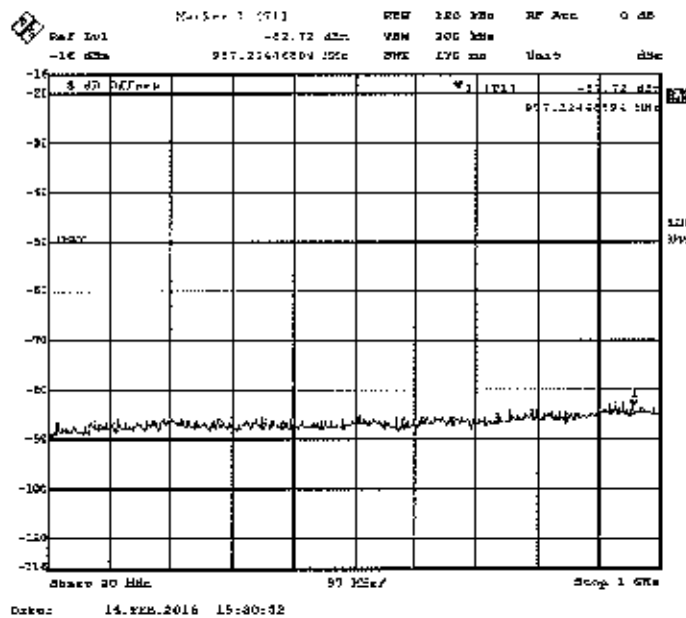


Figure 244 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

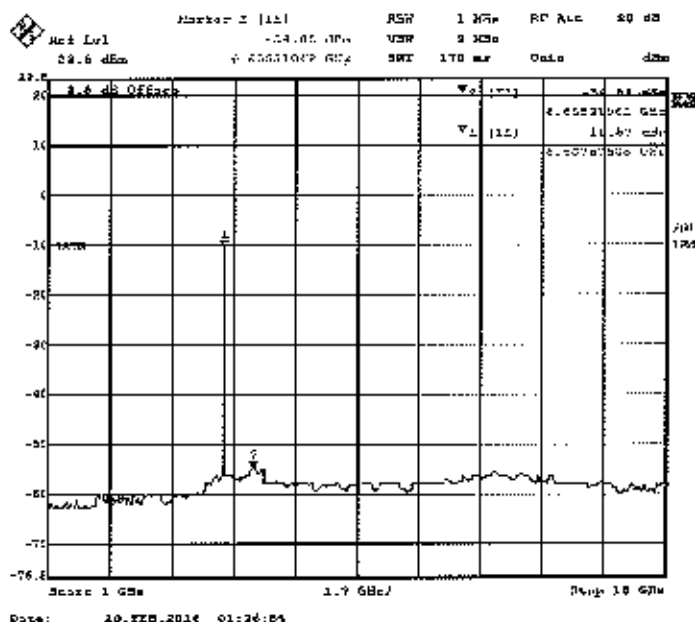


Figure 245 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

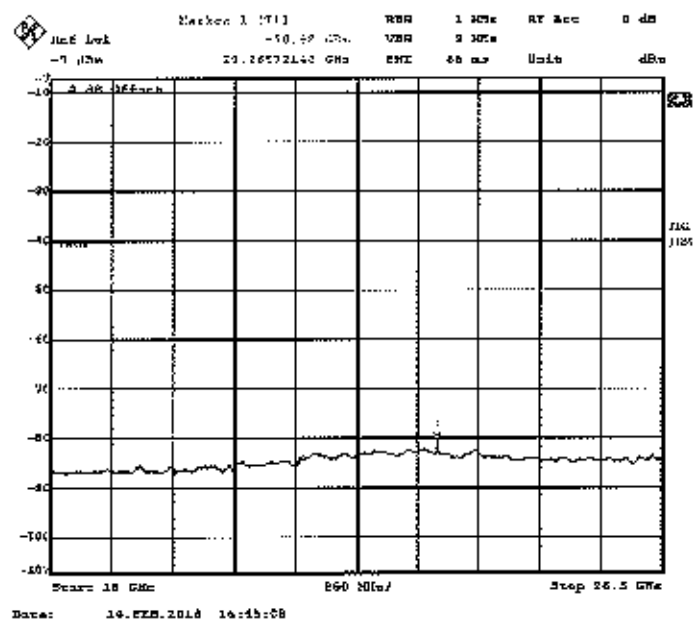


Figure 246 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

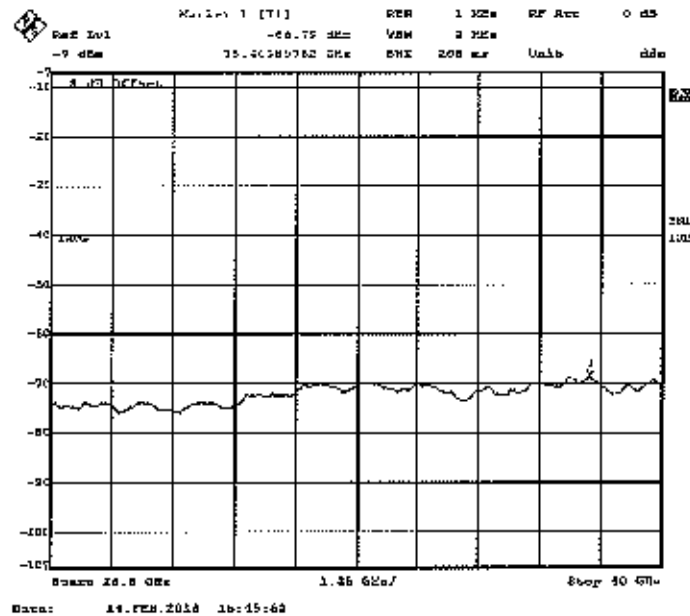


Figure 247 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

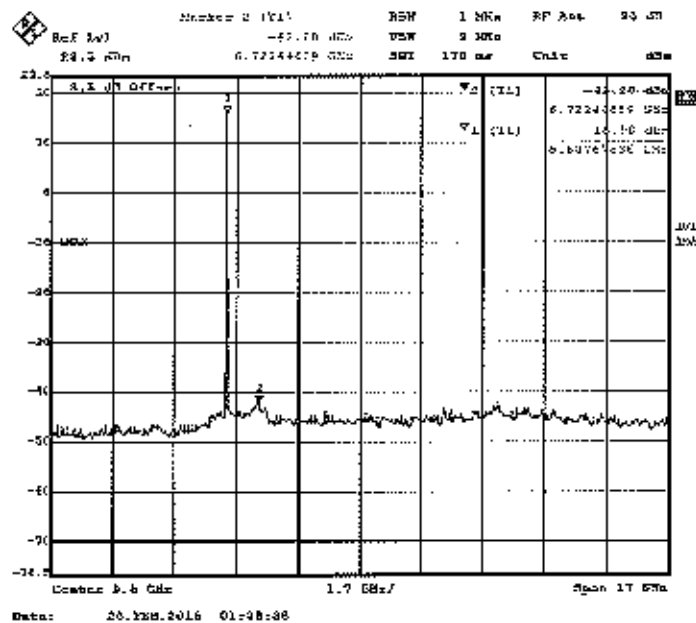


Figure 248 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

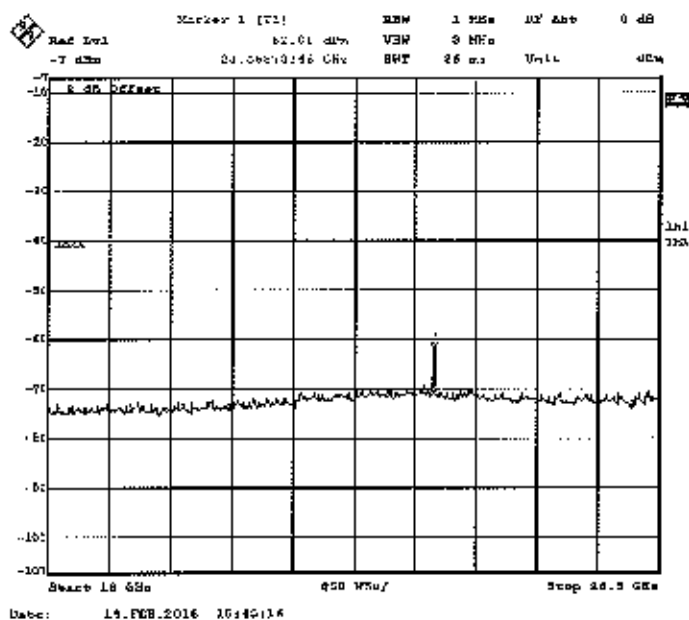


Figure 249 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

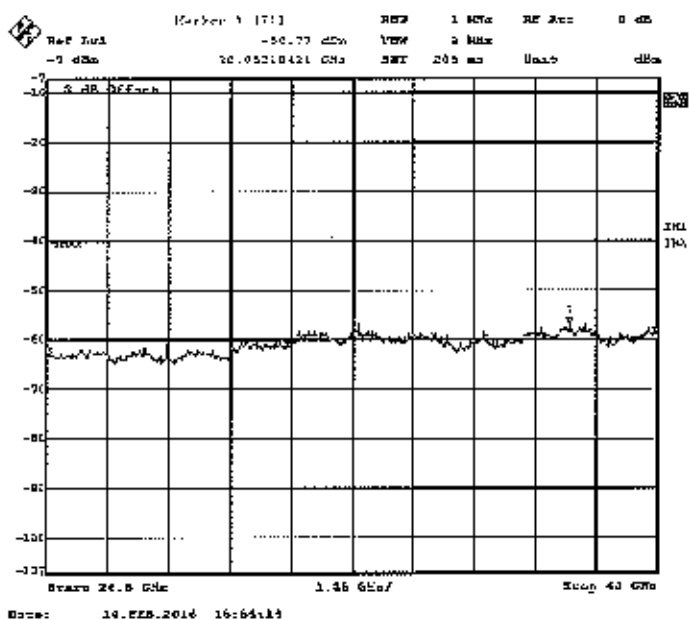


Figure 250 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

5.3.7.5.3 40 MHz MODULATION BANDWIDTH FOR 6 dBi ANTENNA CONDITION LOW CHANNEL_5750 MHz

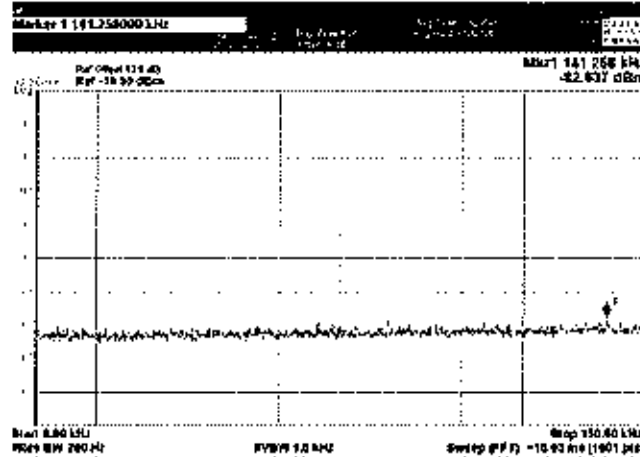


Figure 251 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

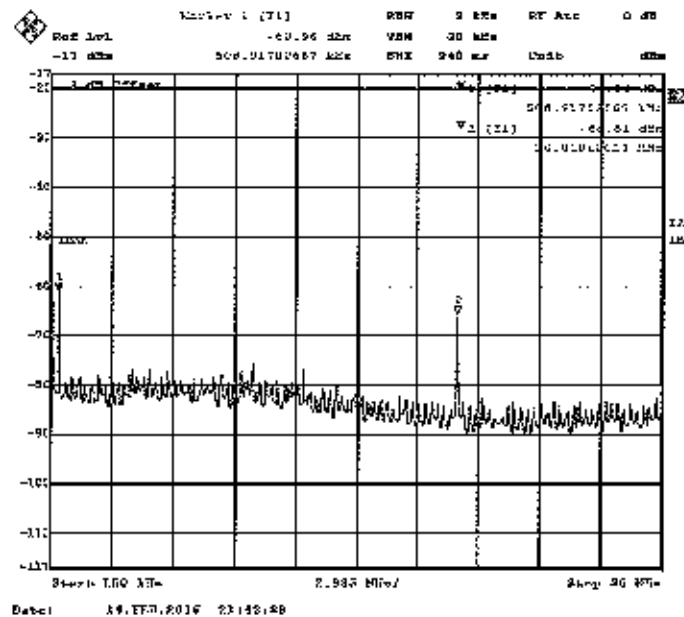
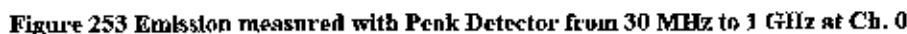


Figure 252 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0



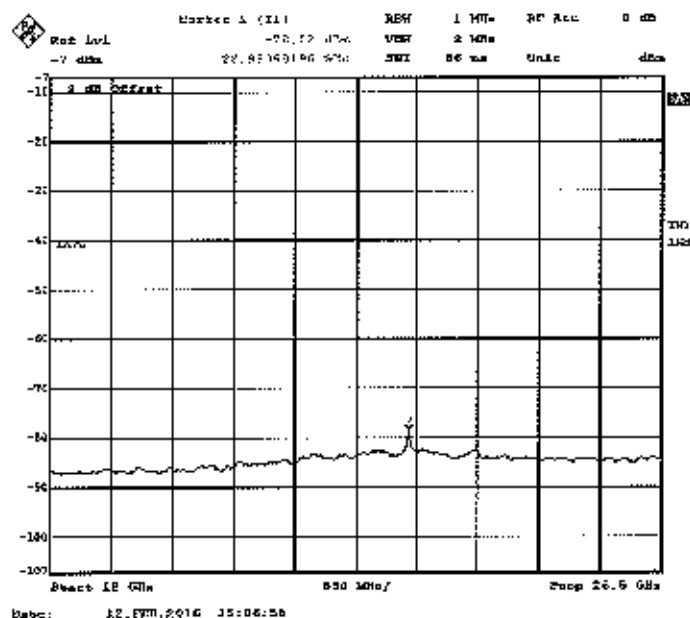


Figure 255 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

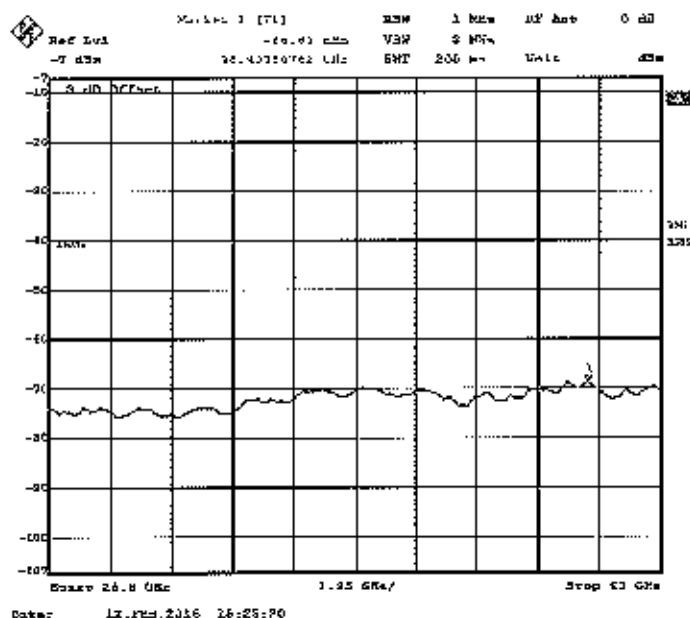


Figure 256 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

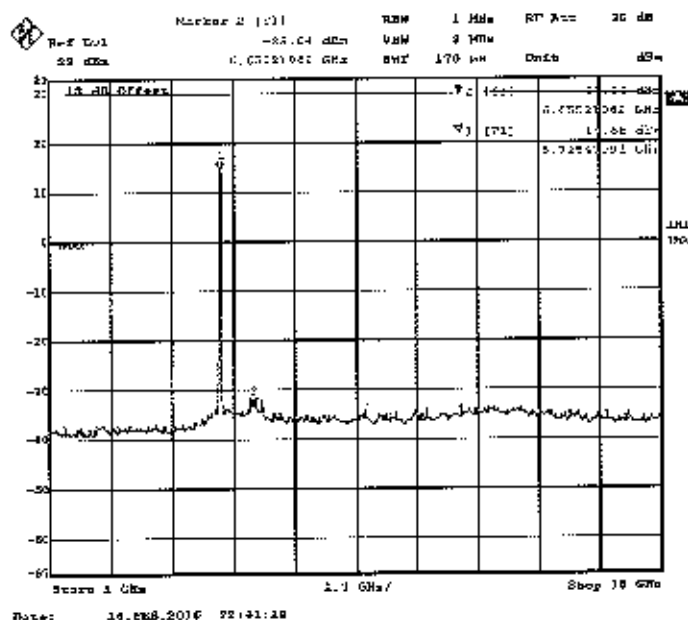


Figure 257 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

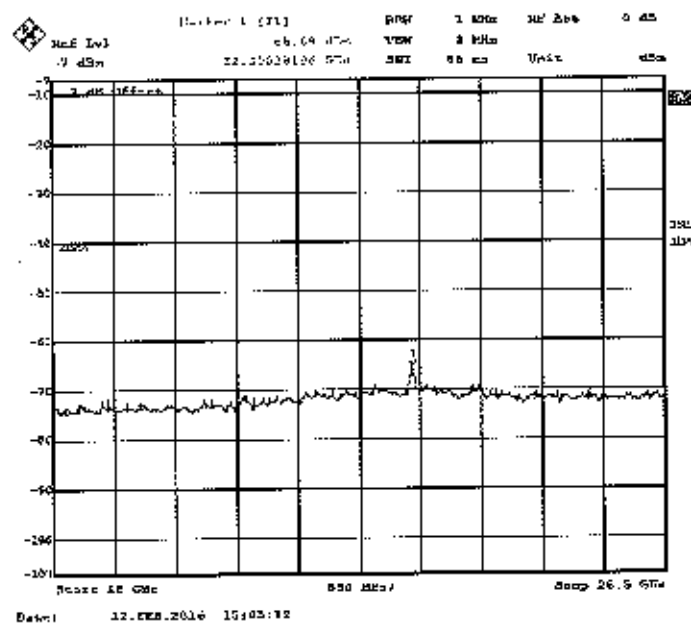


Figure 258 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

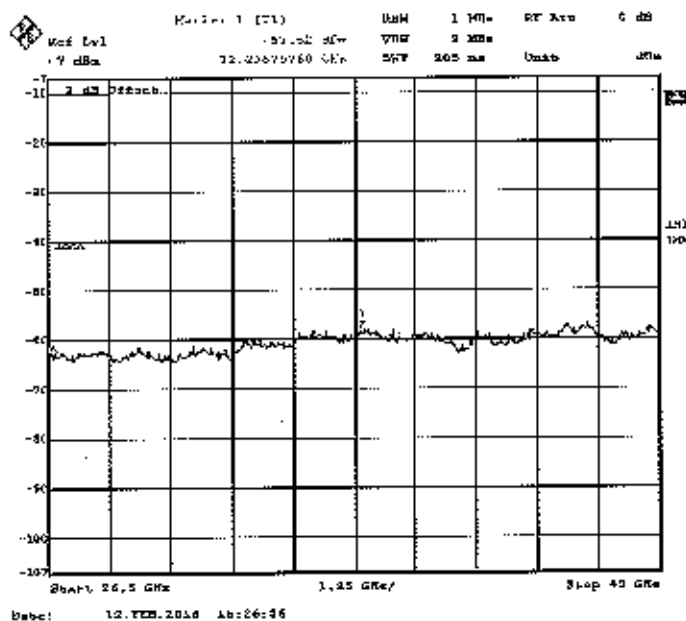


Figure 259 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

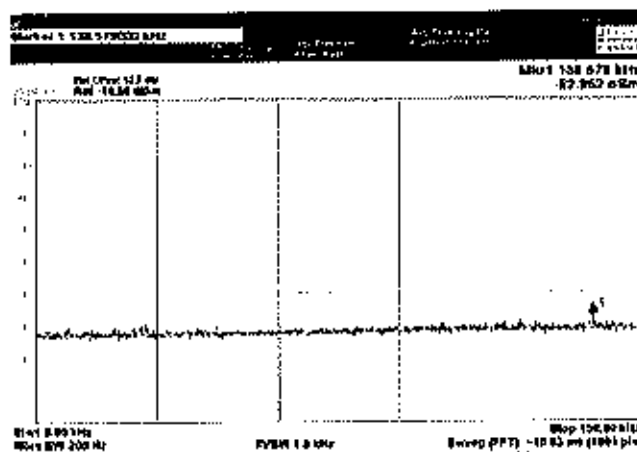


Figure 260 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

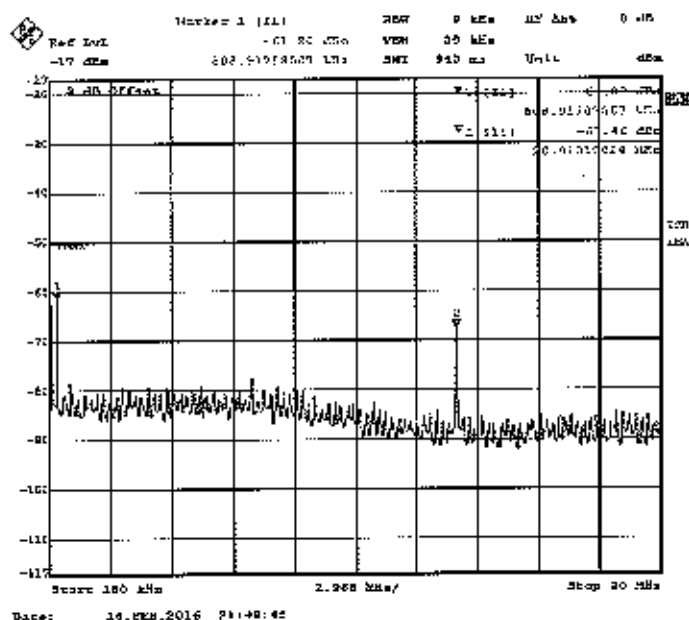


Figure 261 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

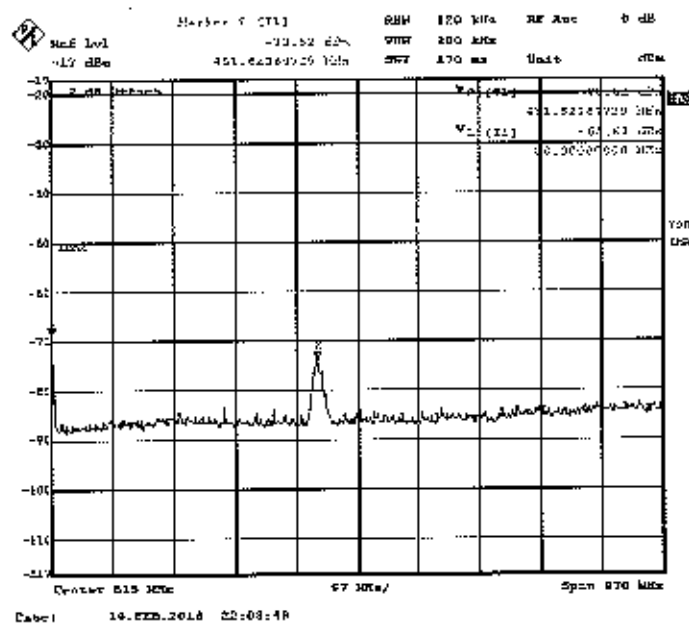


Figure 262 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

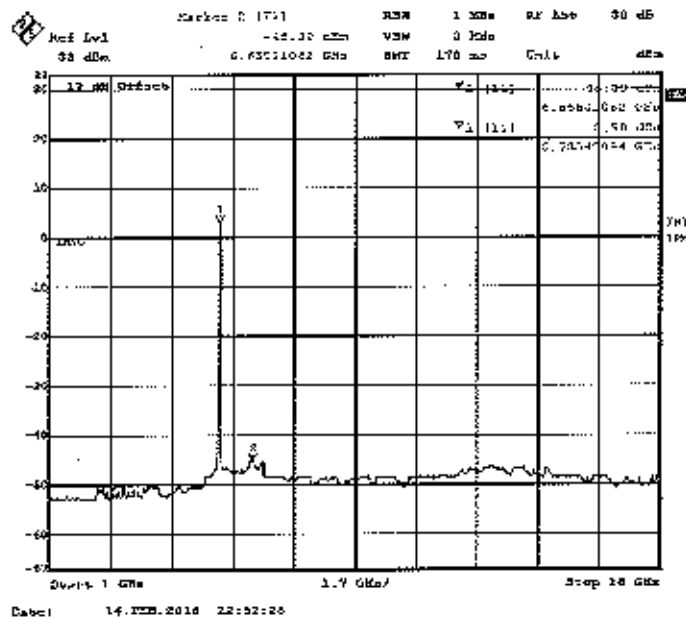


Figure 263 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

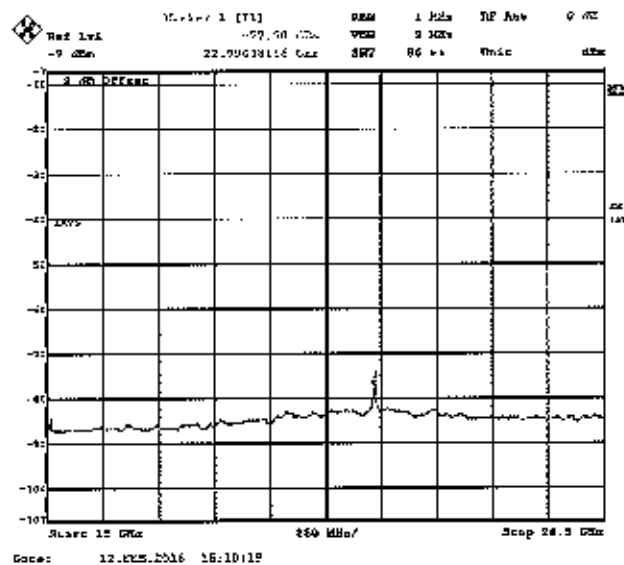


Figure 264 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

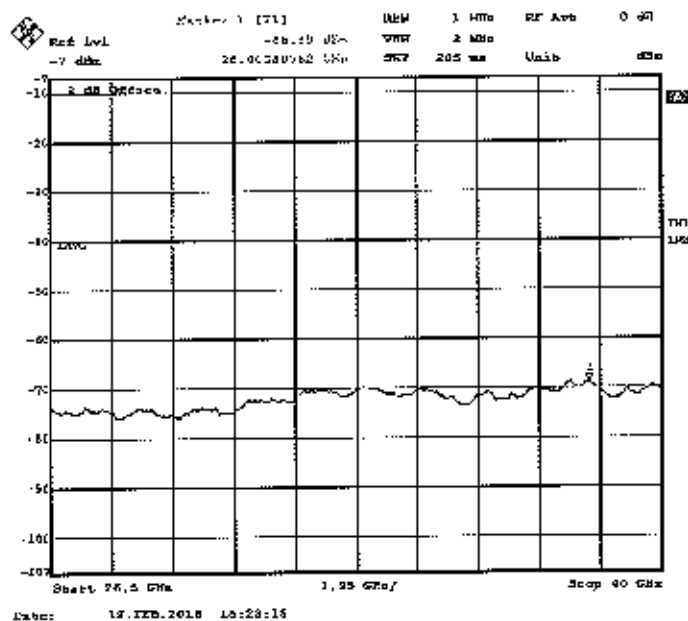


Figure 265 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

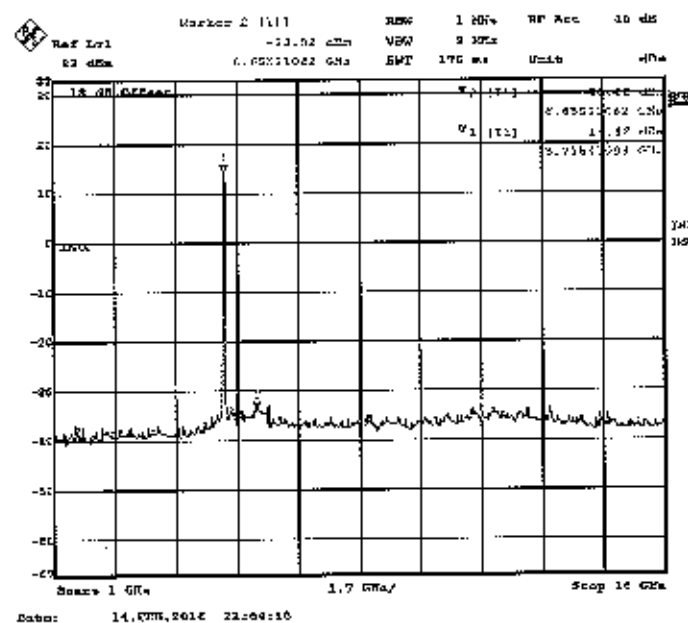


Figure 266 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

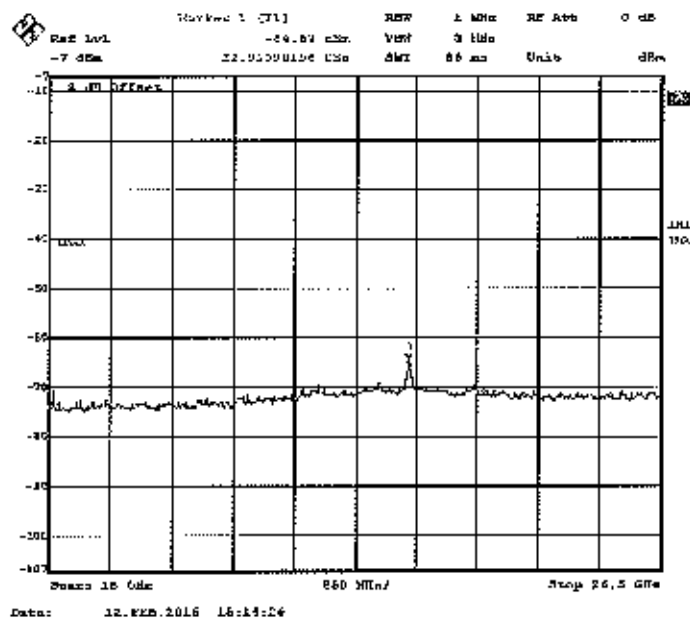


Figure 267 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

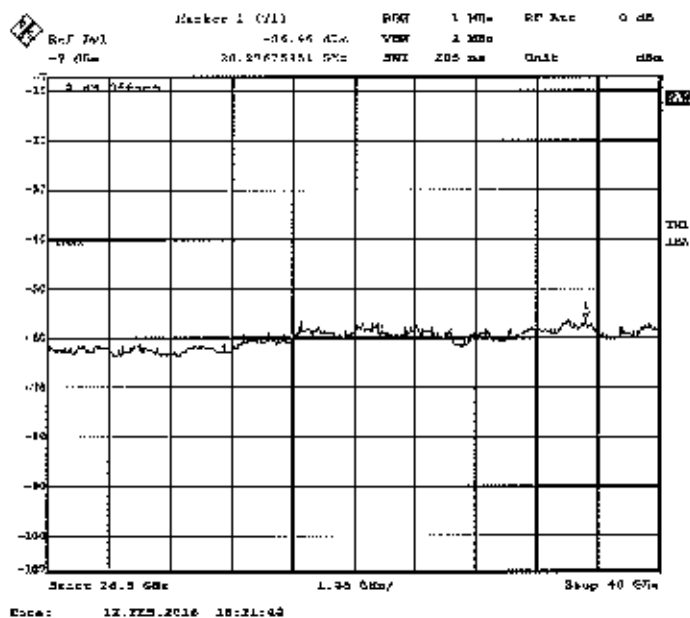


Figure 268 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

MID CHANNEL_5775 MHz

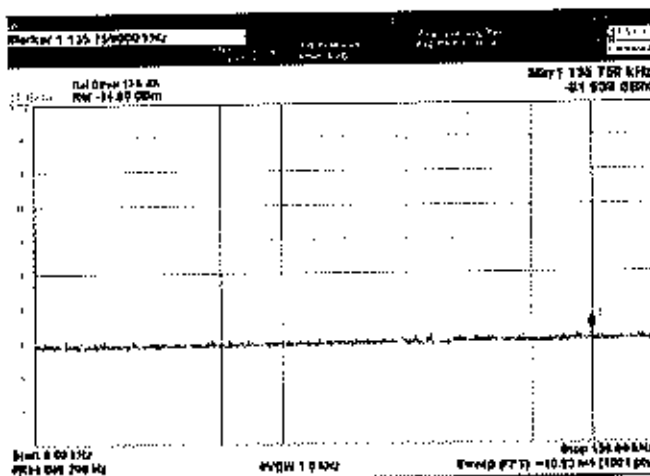


Figure 269 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

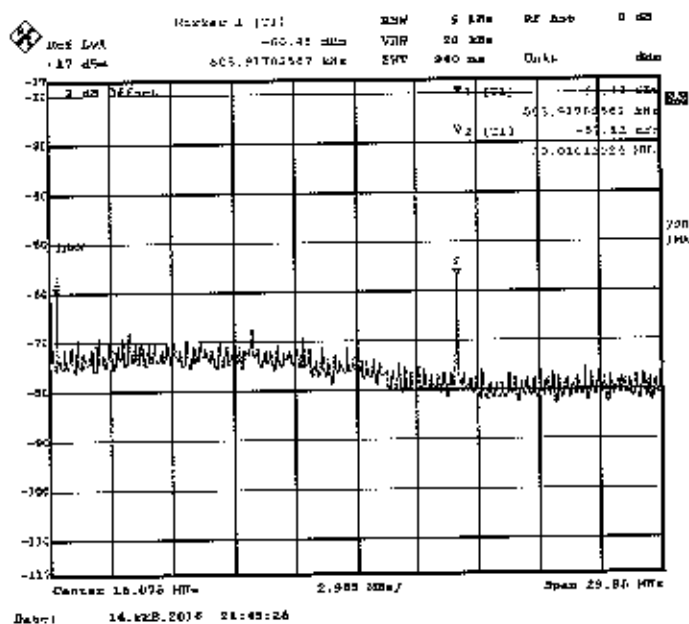


Figure 270 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

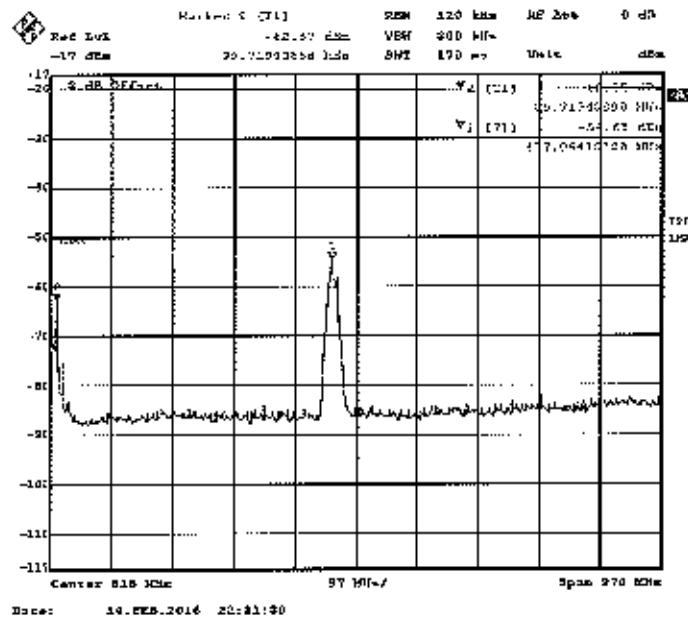


Figure 271 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

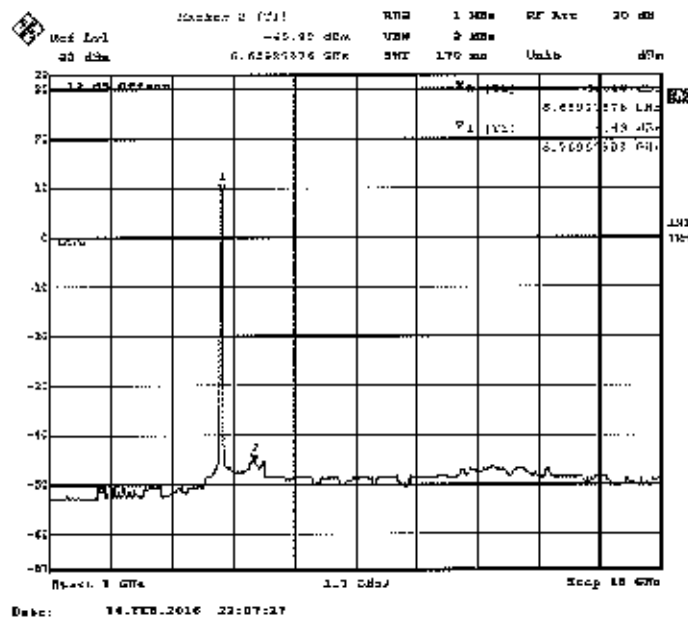


Figure 272 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

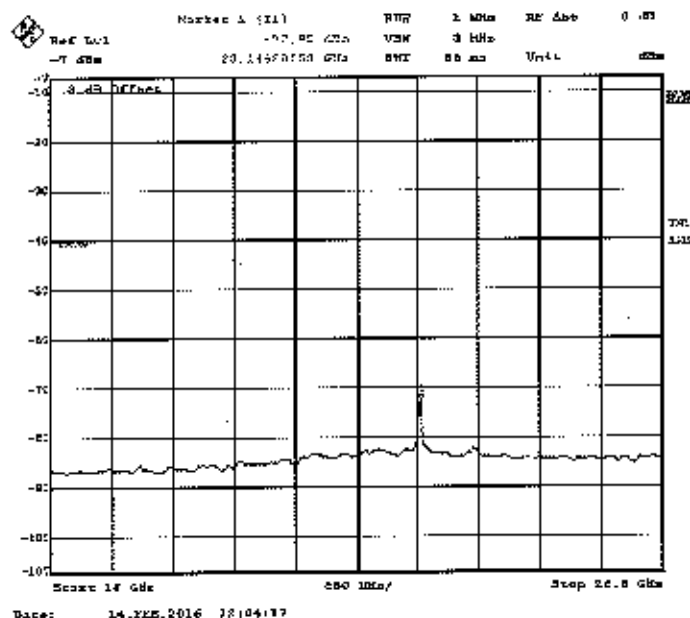


Figure 273 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

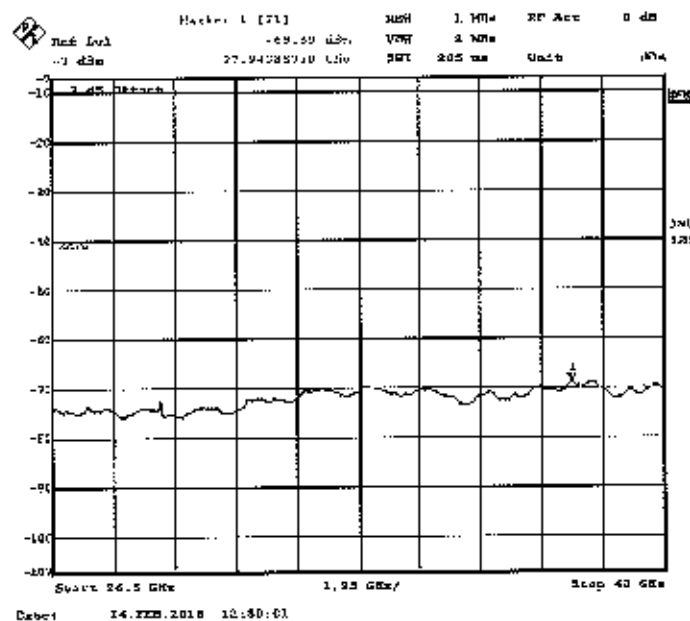


Figure 274 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

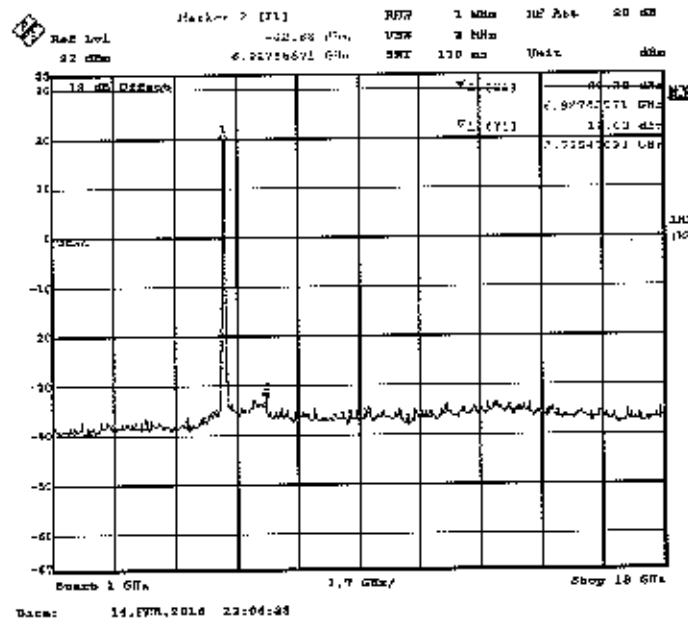


Figure 275 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

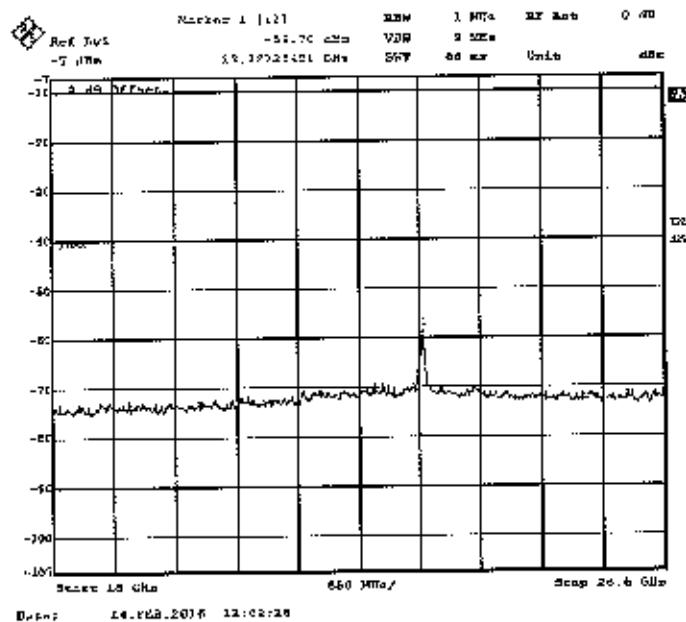


Figure 276 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

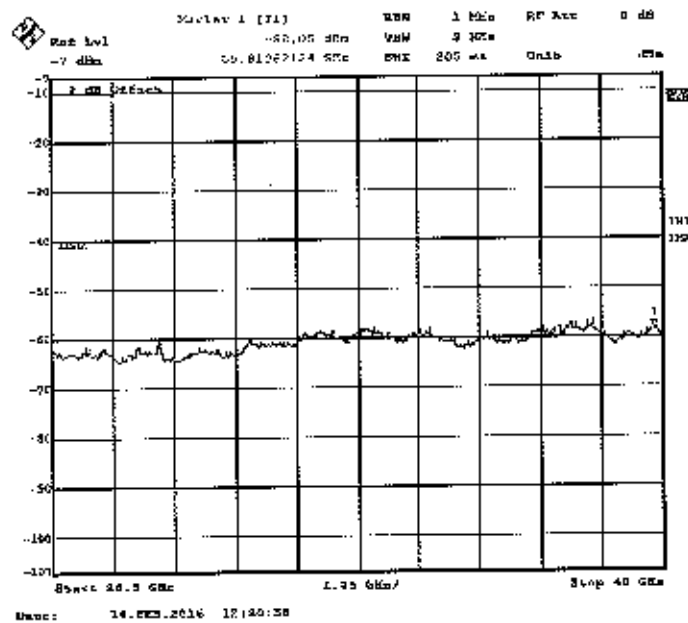


Figure 277 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

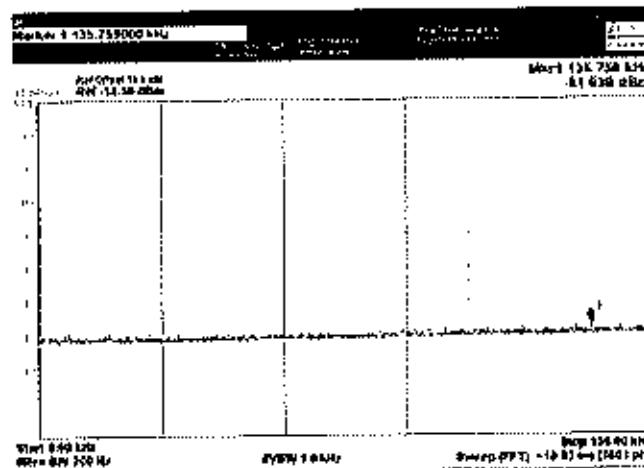


Figure 278 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

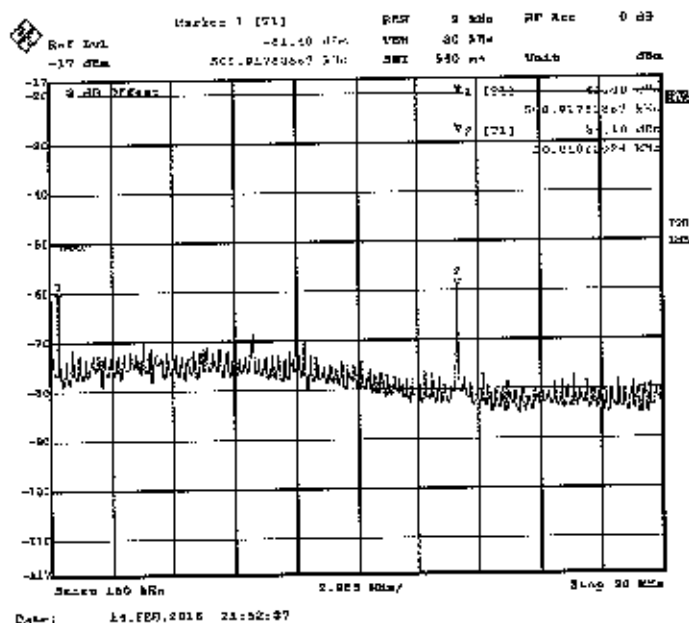


Figure 279 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

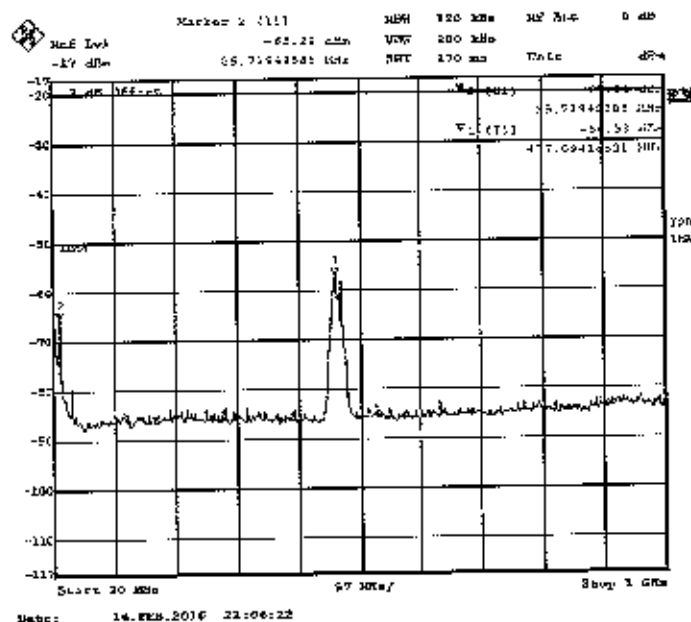


Figure 280 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

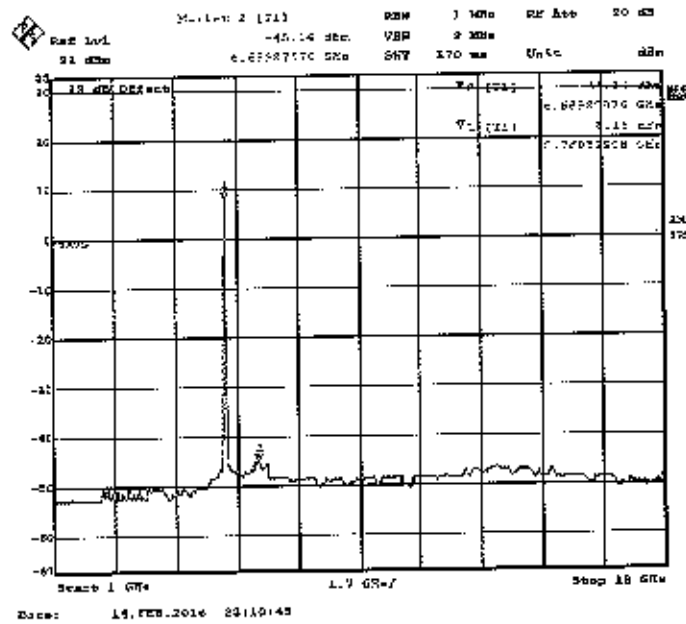


Figure 281 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

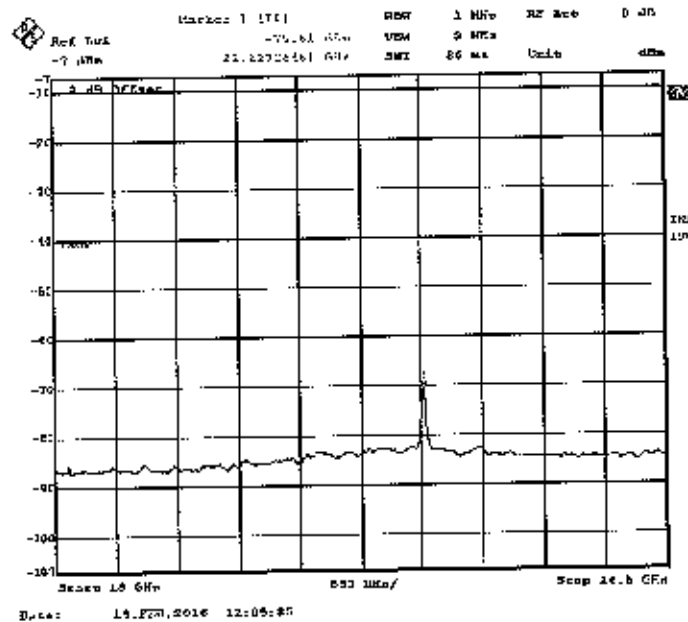


Figure 282 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

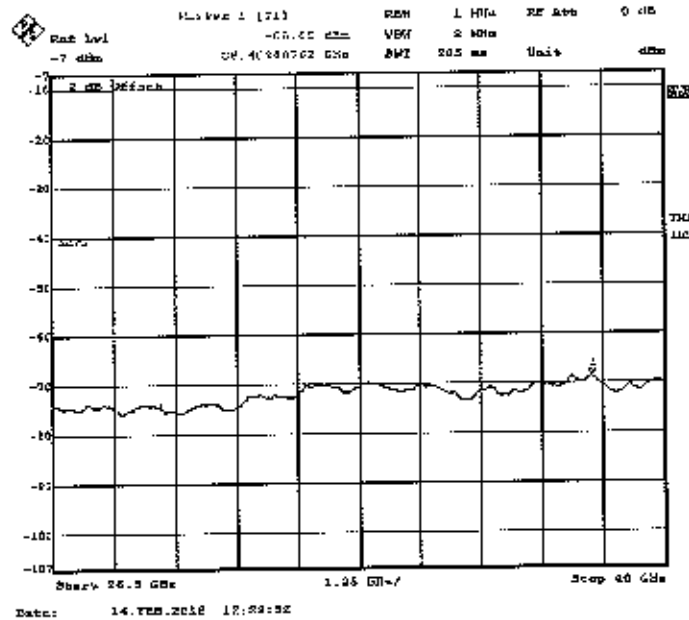


Figure 283 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

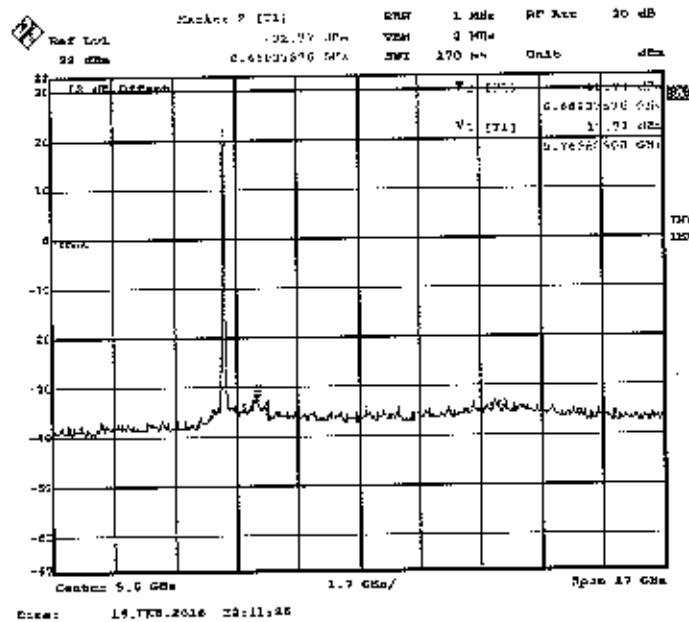


Figure 284 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

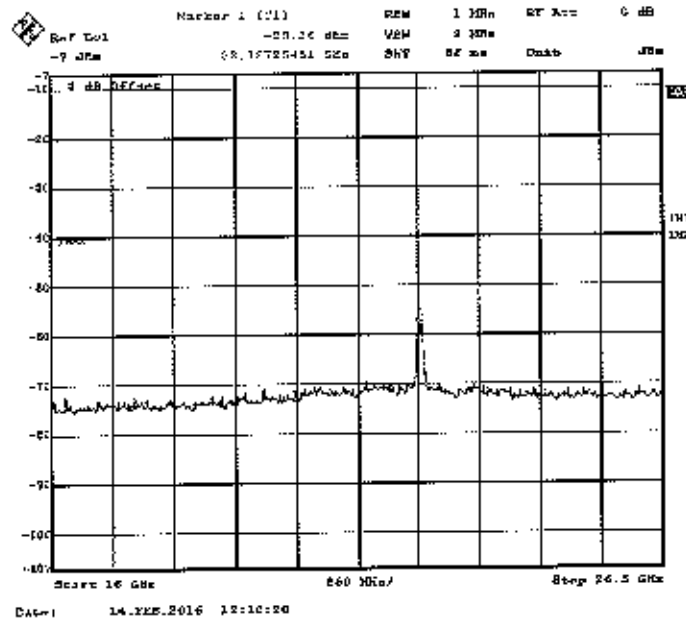


Figure 285 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

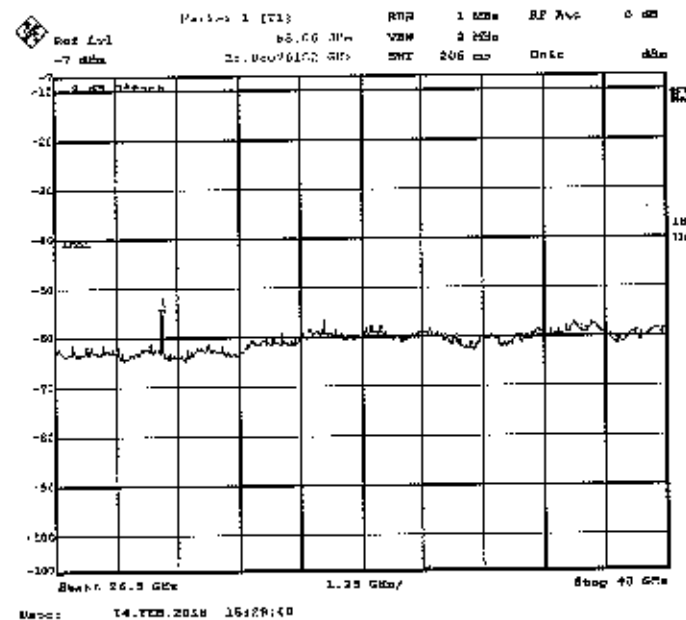


Figure 286 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

HIGH CHANNEL_5825 MHz

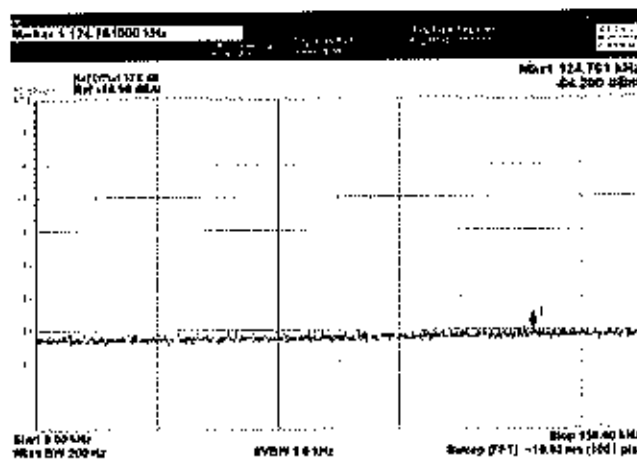


Figure 287 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

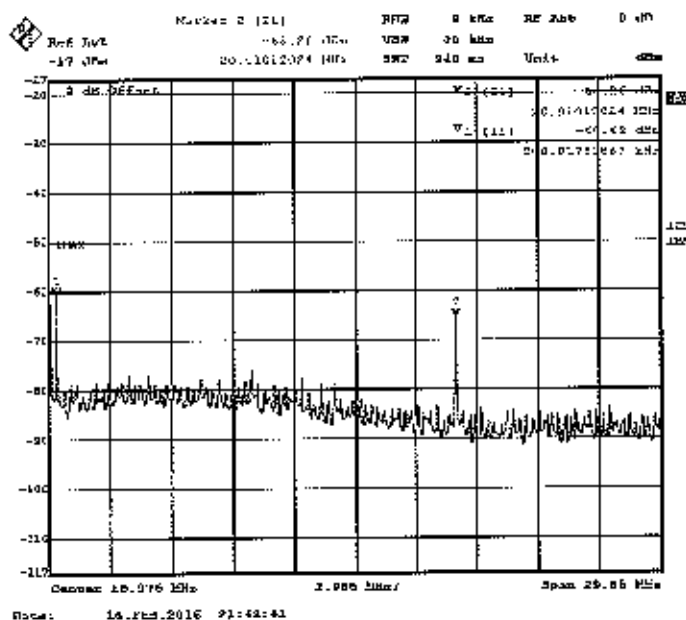


Figure 288 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

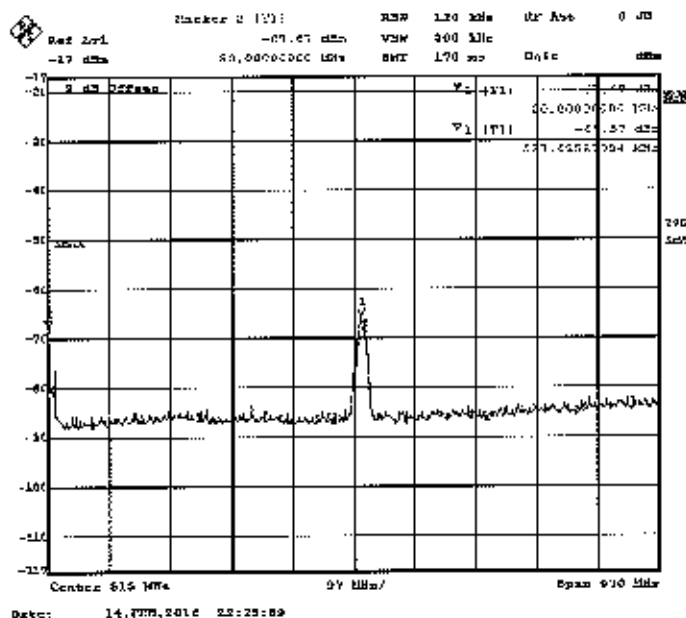


Figure 289 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

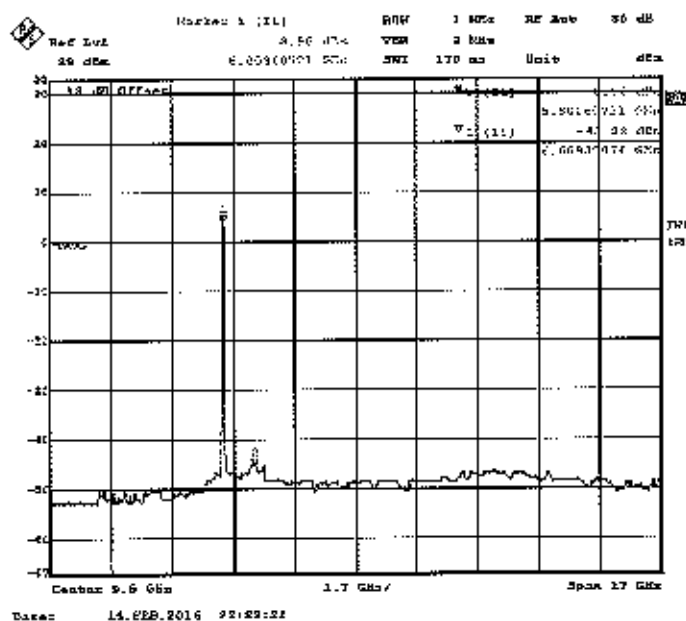


Figure 290 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

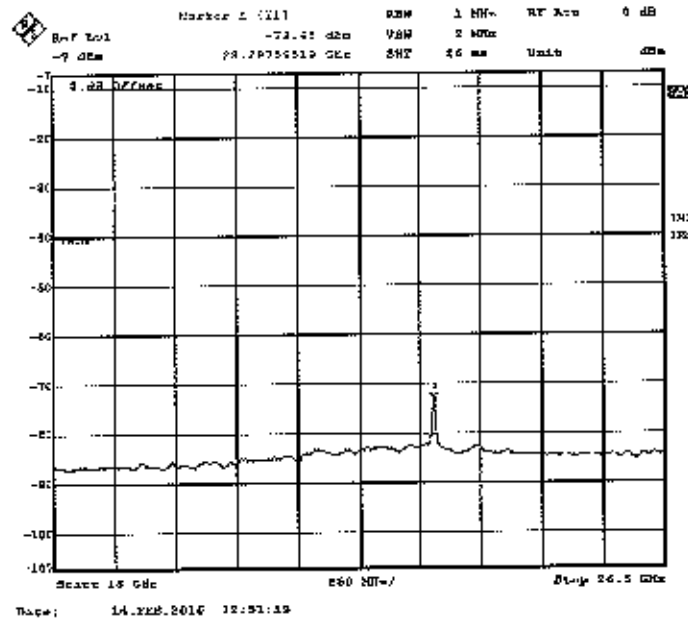


Figure 291 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

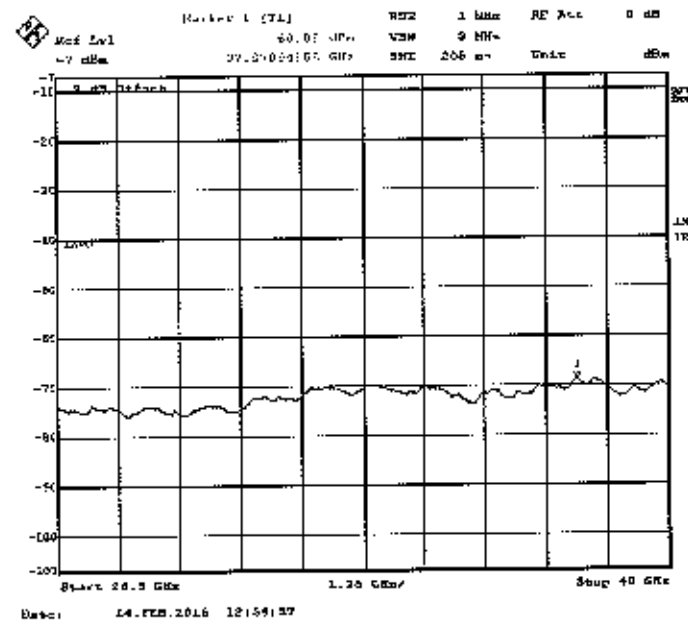


Figure 292 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

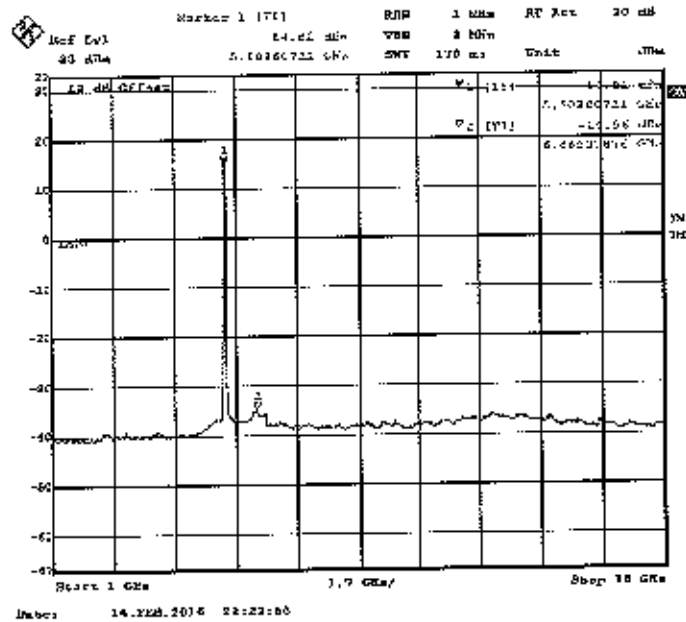


Figure 293 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

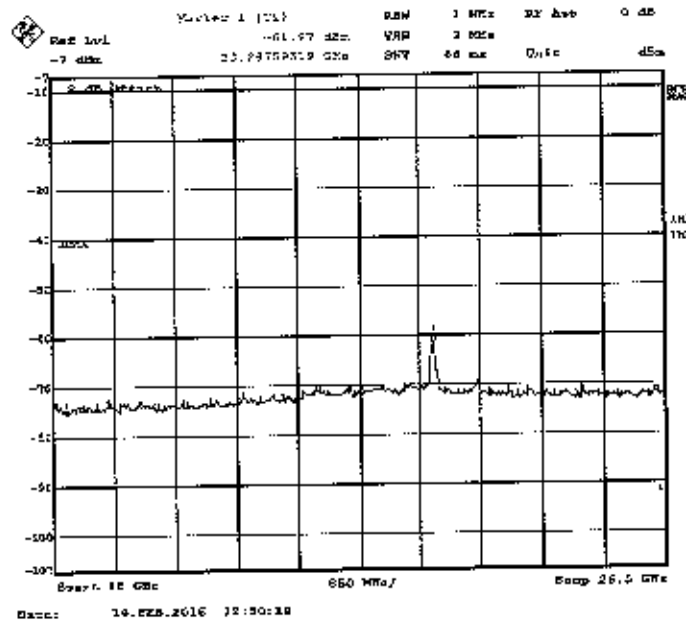


Figure 294 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

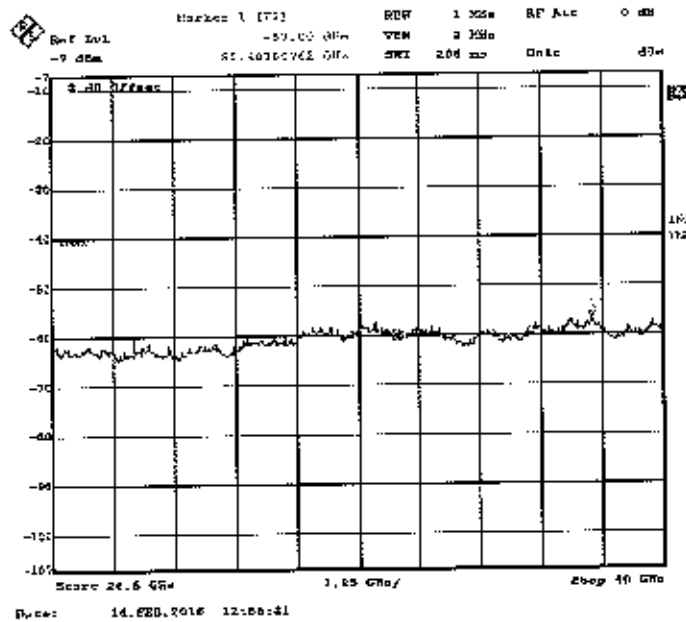


Figure 295 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

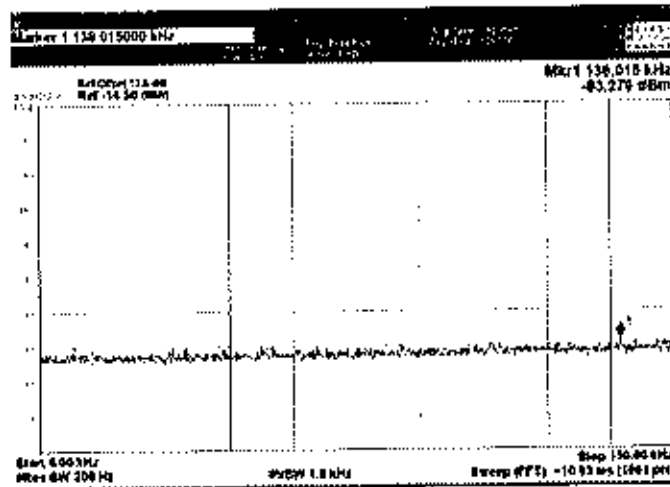


Figure 296 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

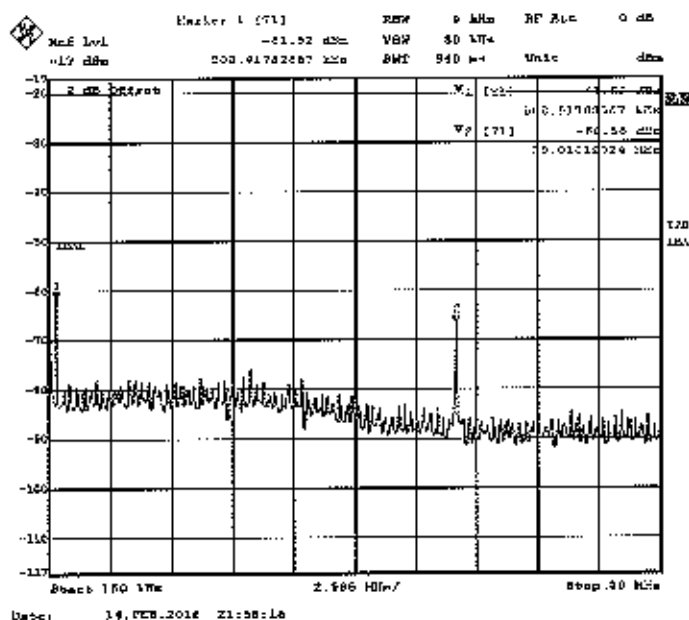


Figure 297 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

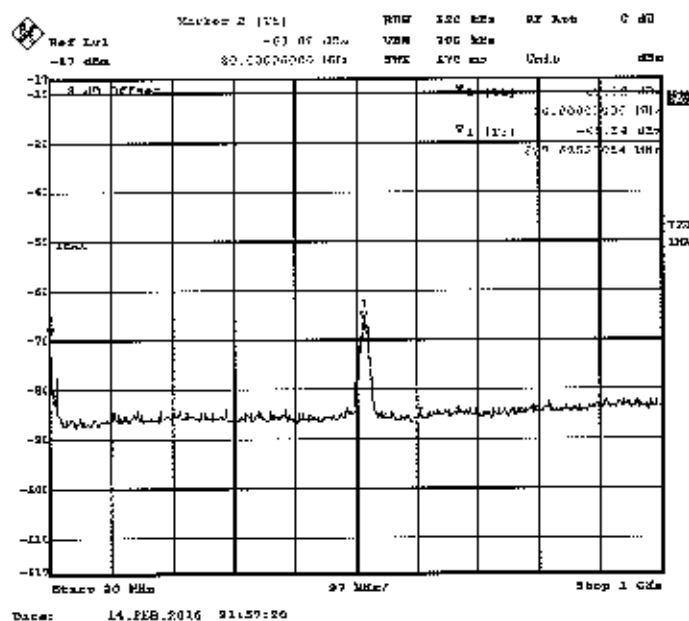


Figure 298 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

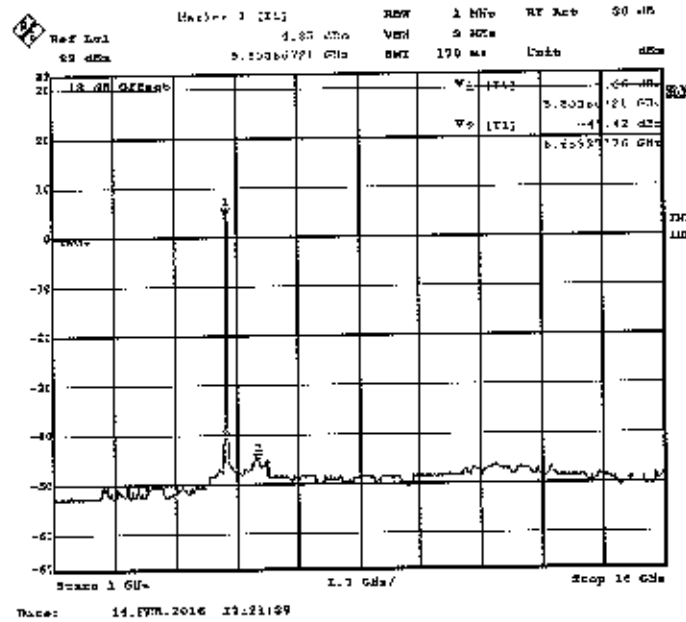


Figure 299 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

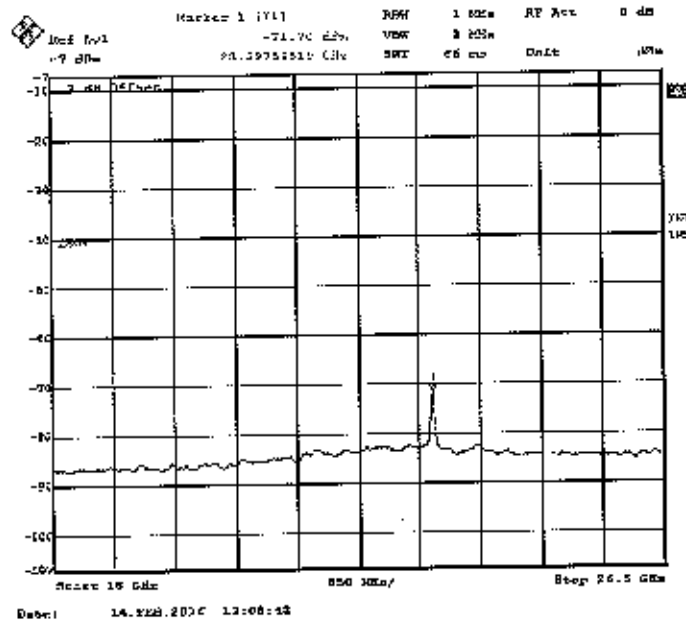


Figure 300 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

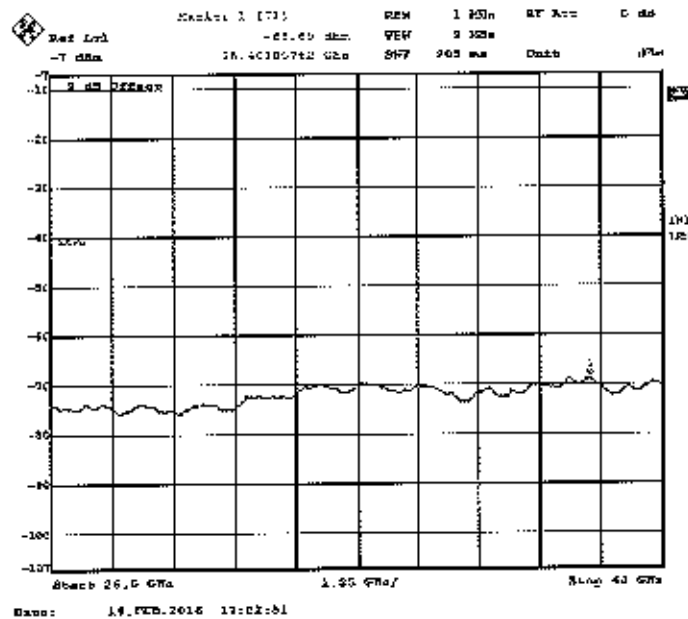


Figure 301 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

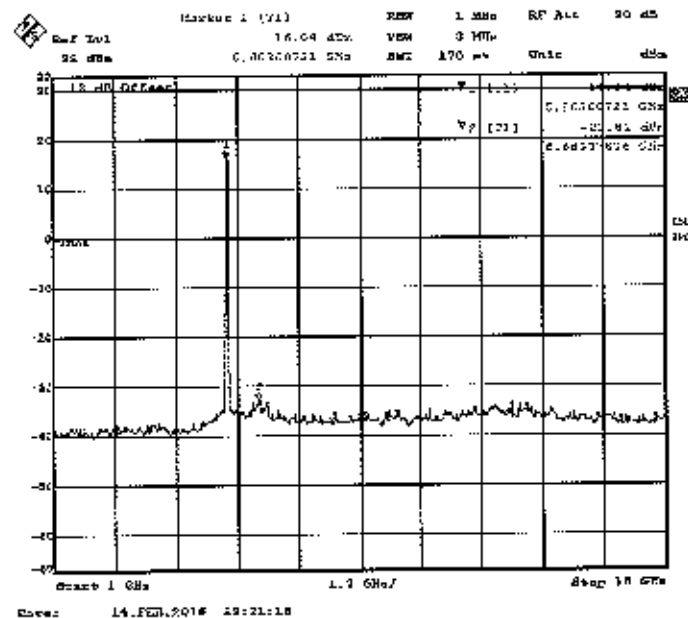


Figure 302 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

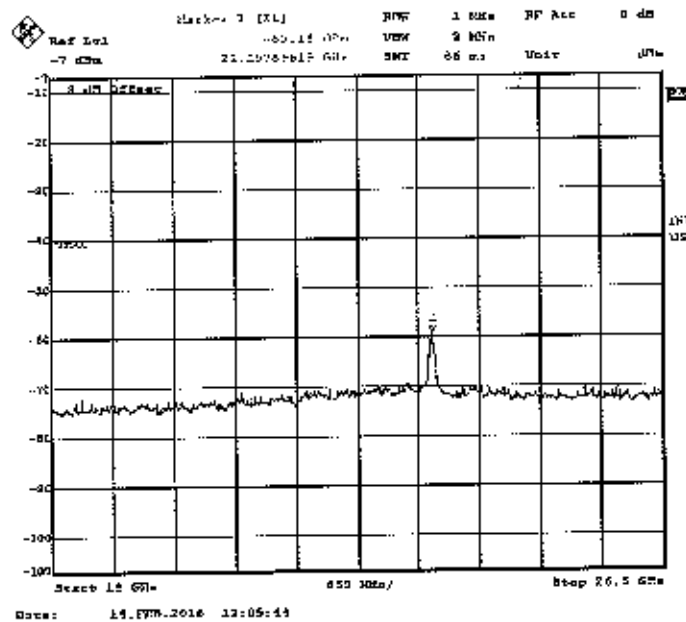


Figure 303 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

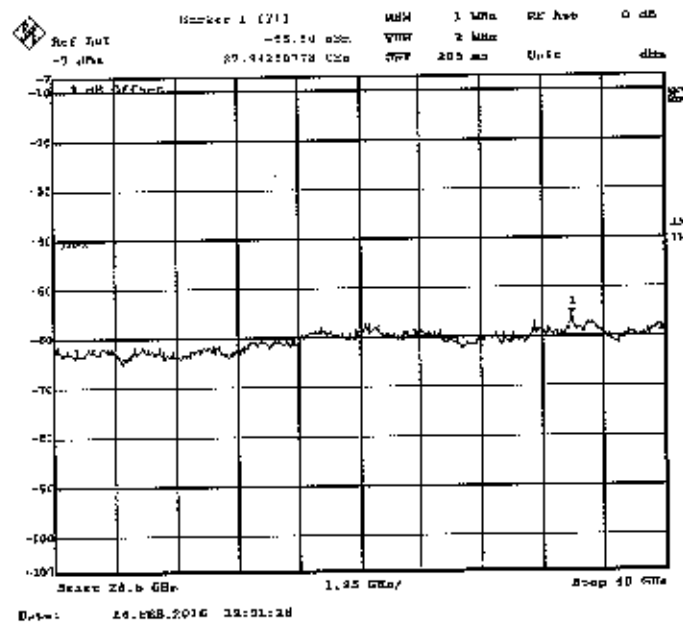


Figure 304 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

5.3.7.5.4 5 MHz MODULATION BANDWIDTH FOR 6 dBi ANTENNA CONDITION LOW CHANNEL_5735 MHz

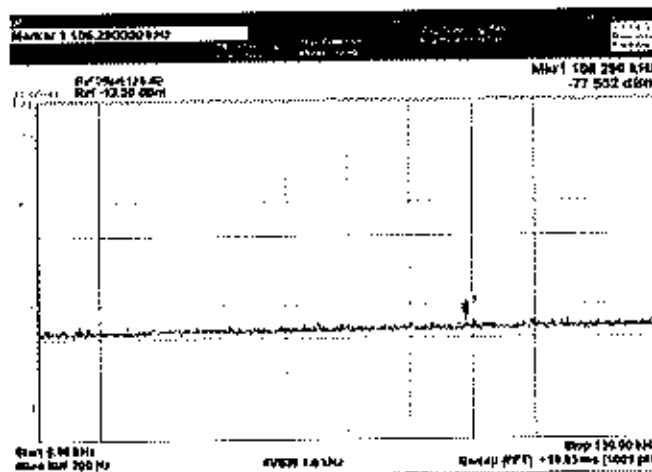


Figure 305 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

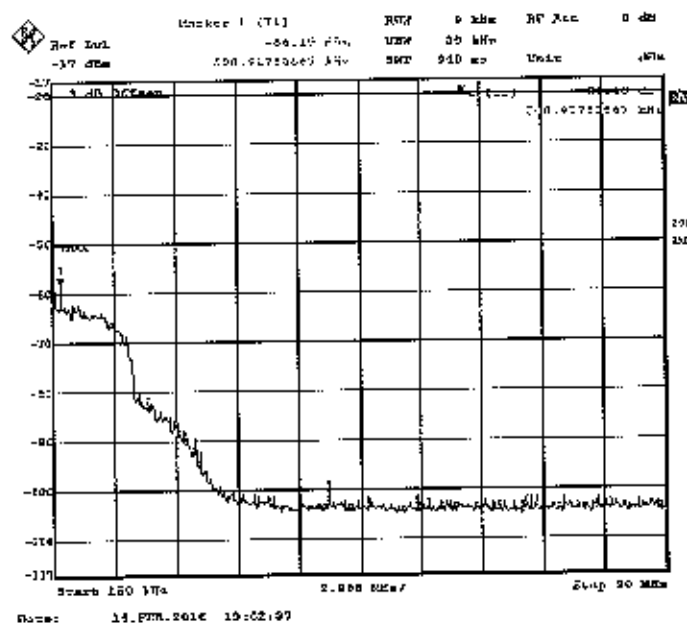


Figure 306 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

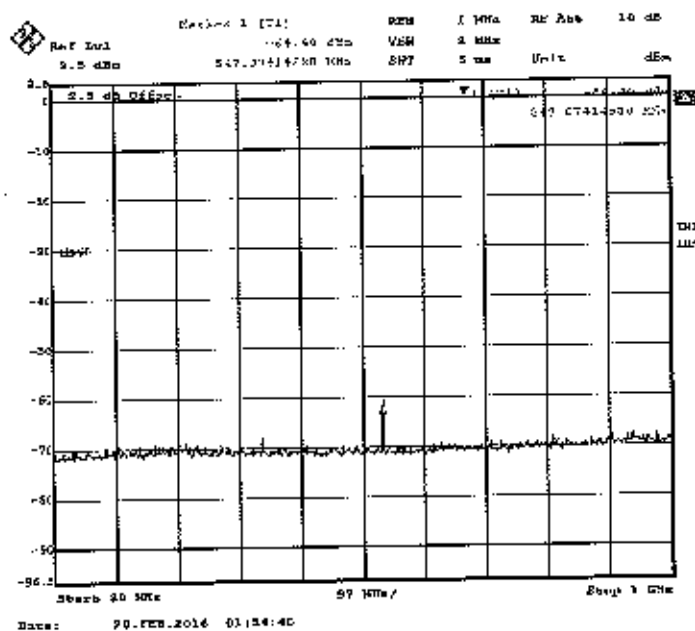


Figure 307 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

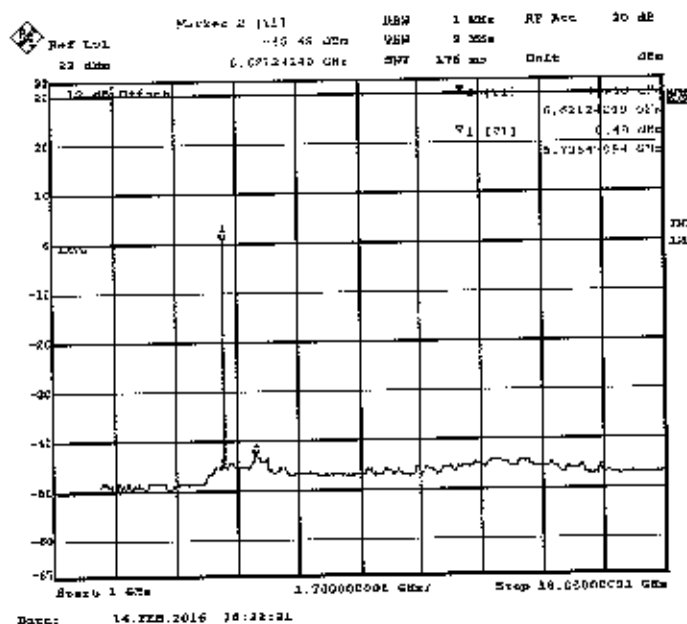


Figure 308 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

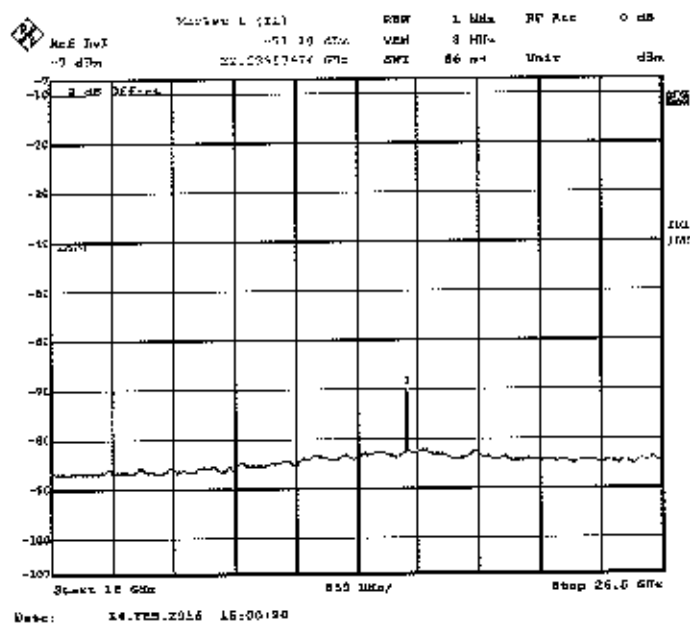


Figure 309 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

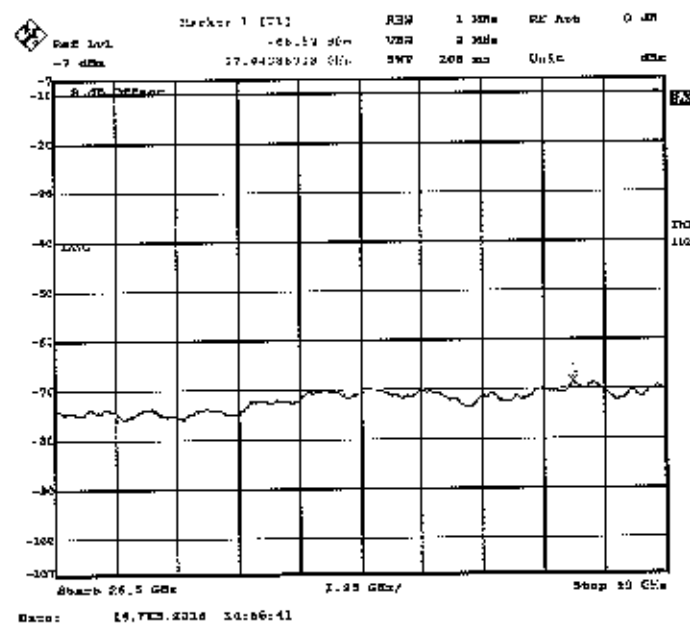


Figure 310 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

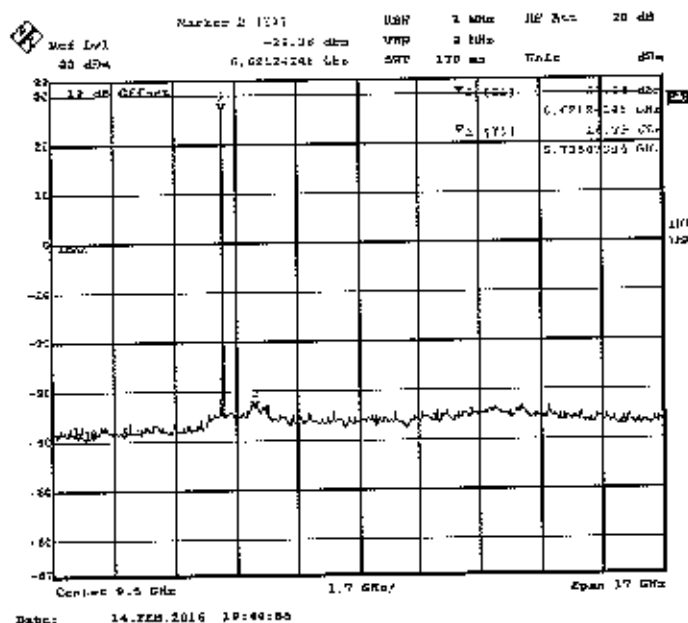


Figure 311 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

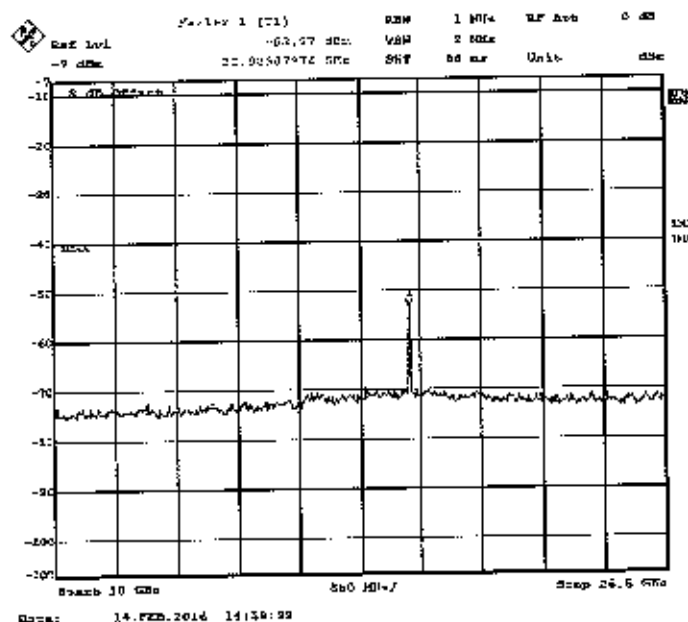
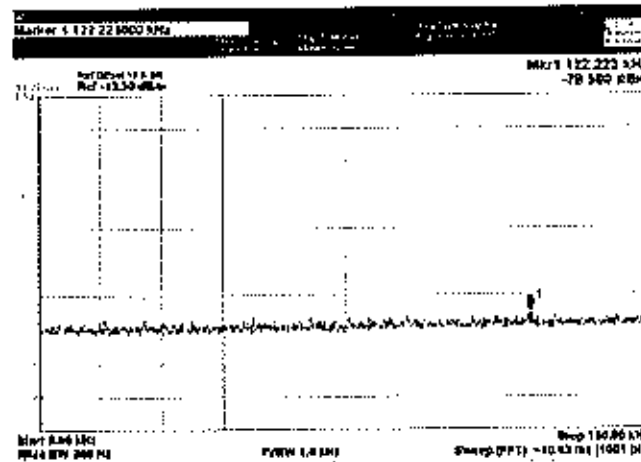
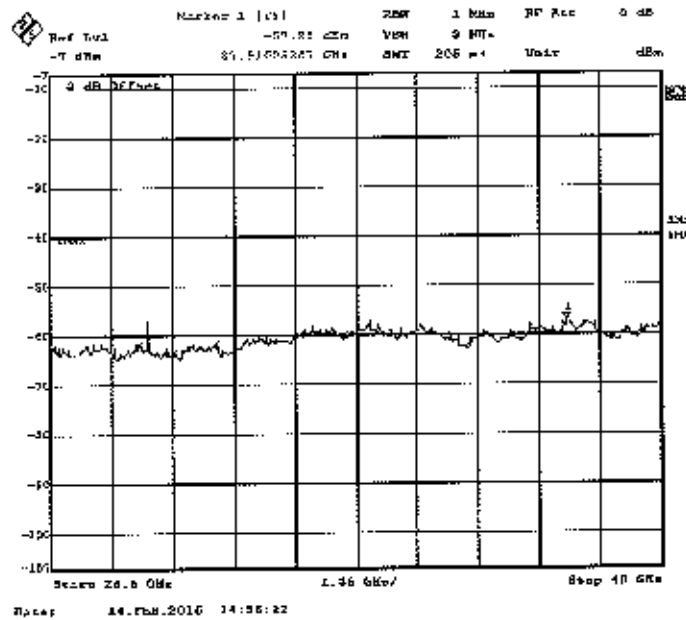


Figure 312 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0



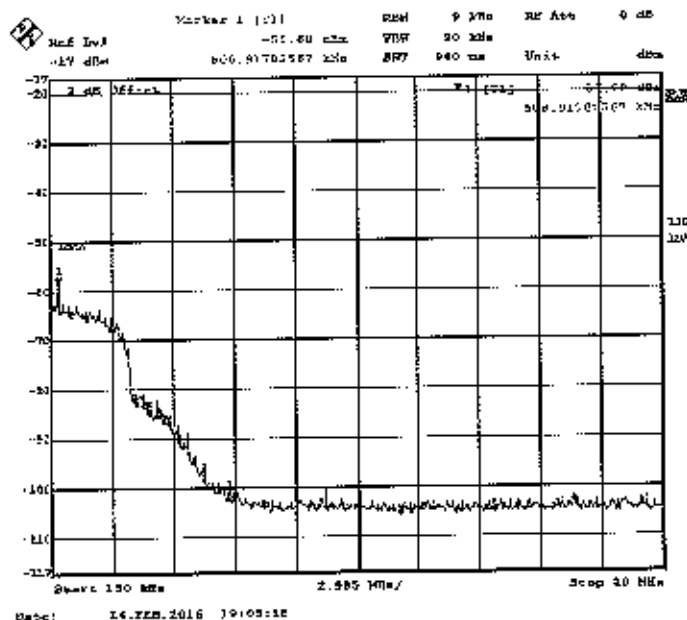


Figure 315 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

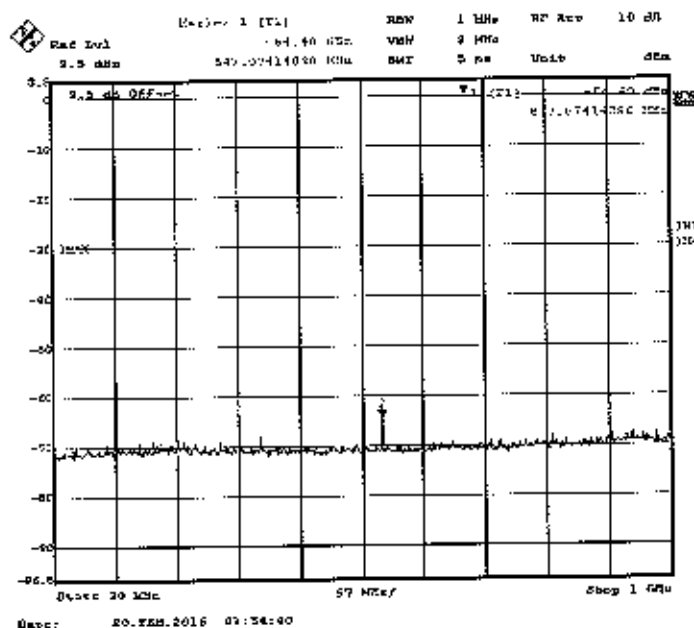


Figure 316 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

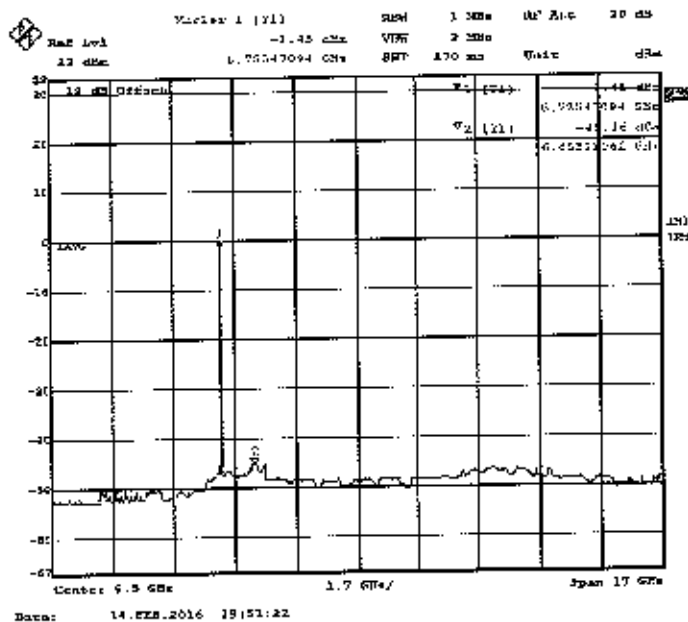


Figure 317 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

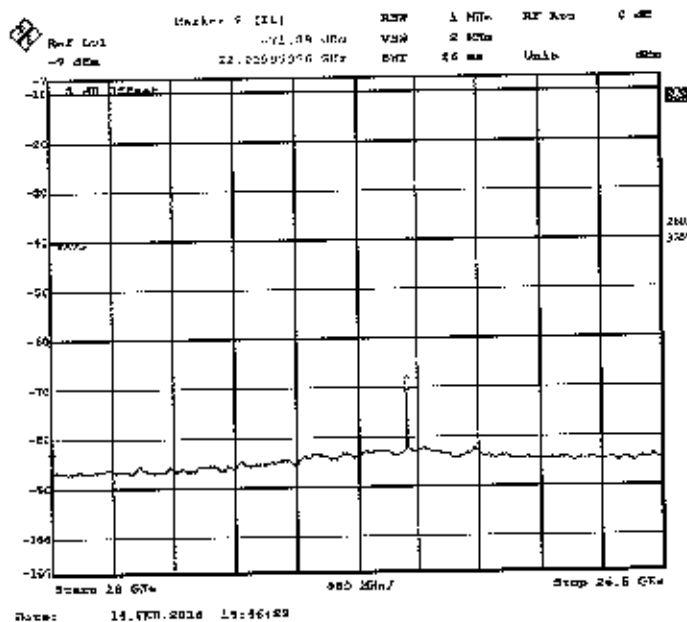


Figure 318 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

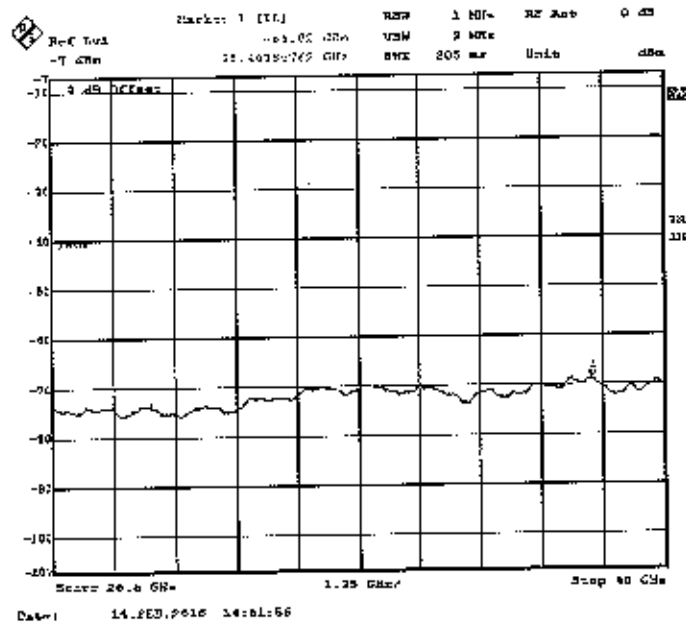


Figure 319 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

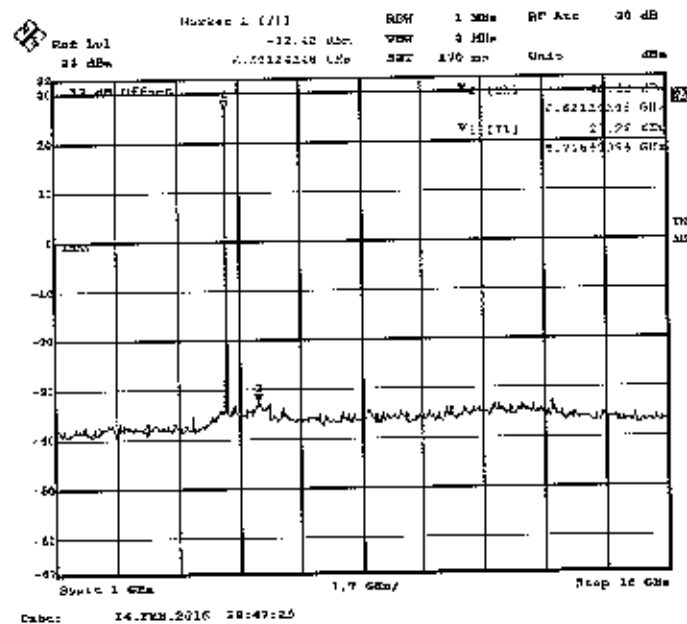


Figure 320 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

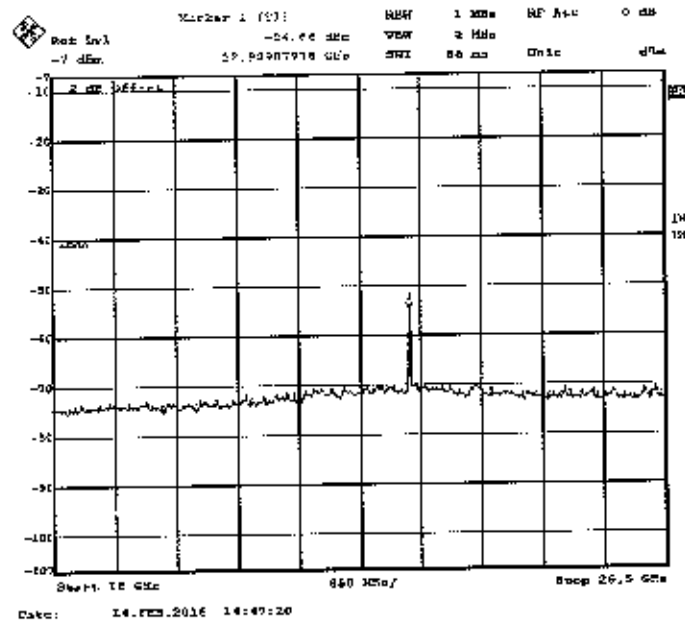


Figure 321 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

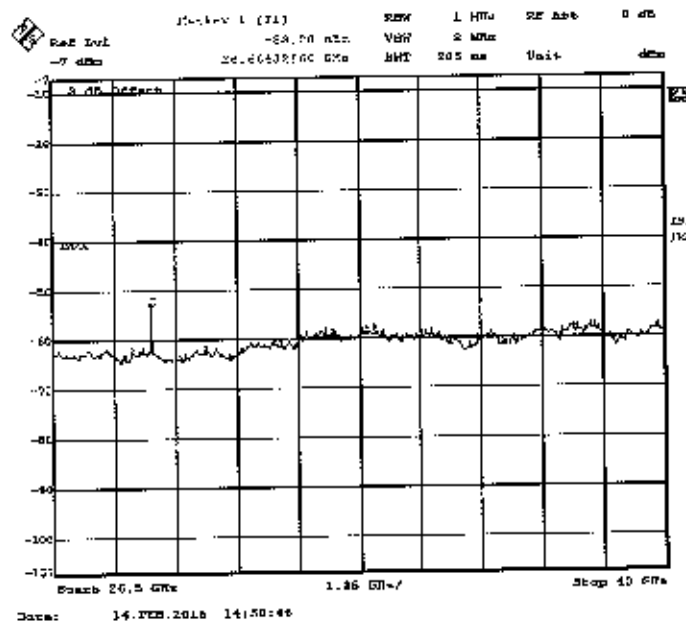


Figure 322 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

MID CHANNEL_5775 MHz

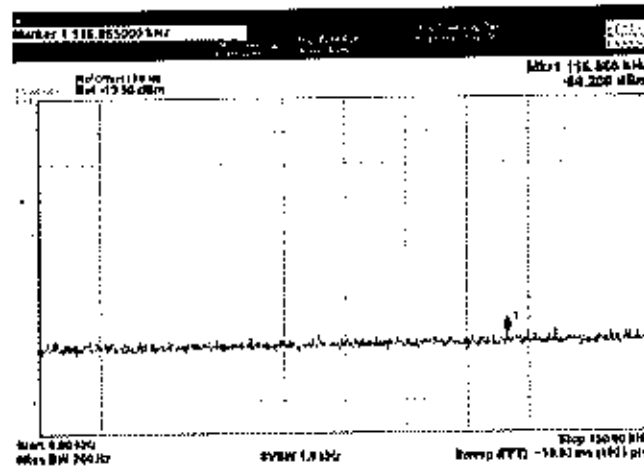


Figure 323 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 0

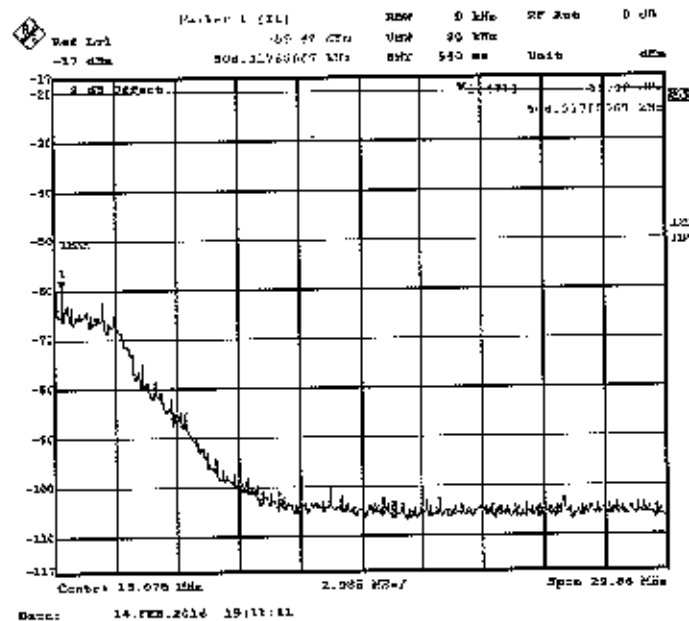


Figure 324 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 0

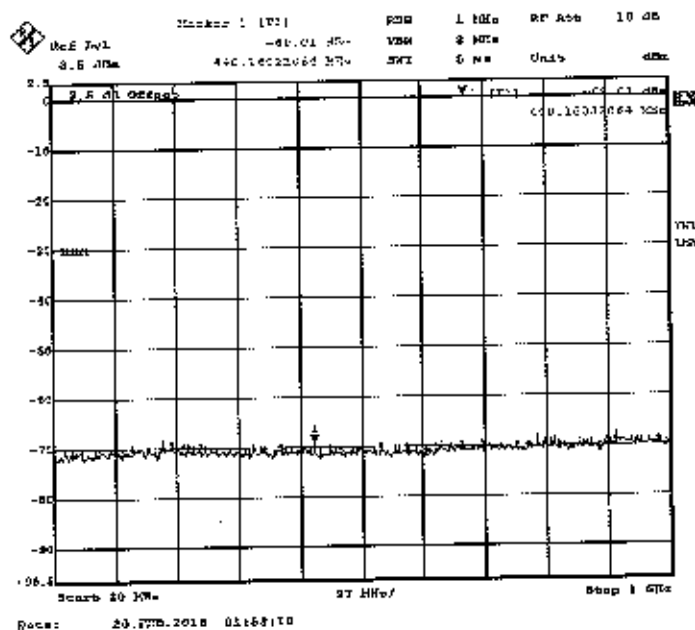


Figure 325 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

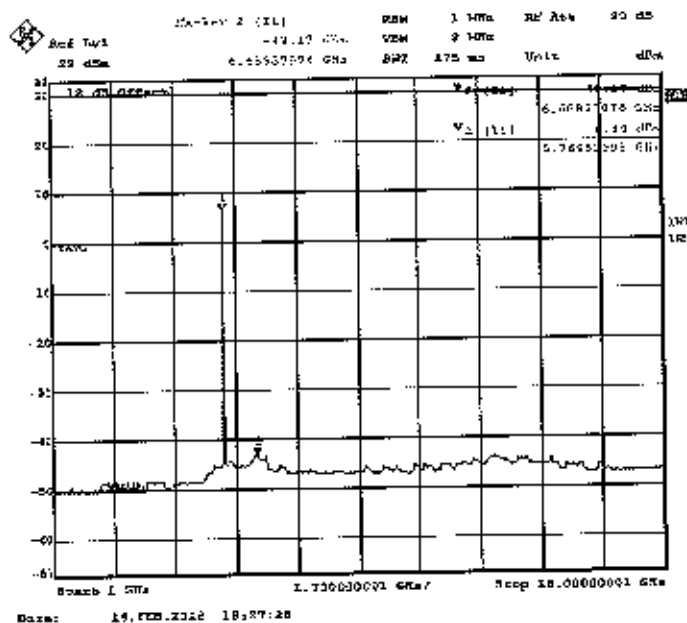


Figure 326 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

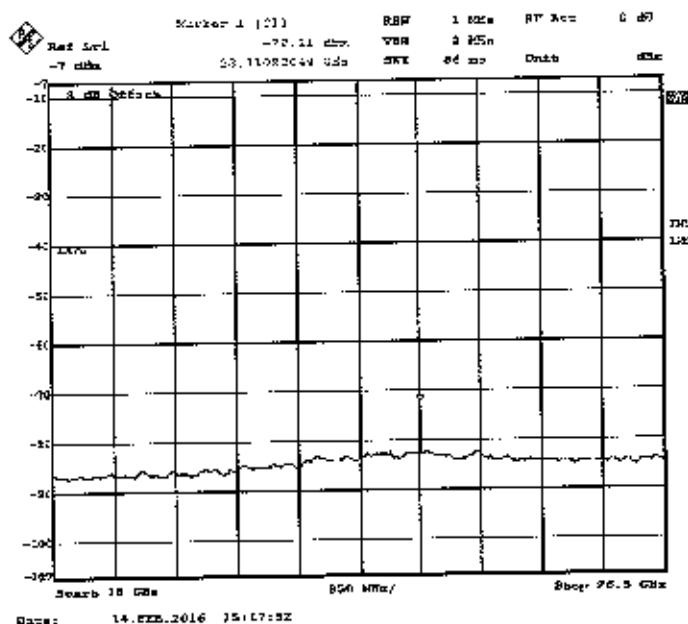


Figure 327 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

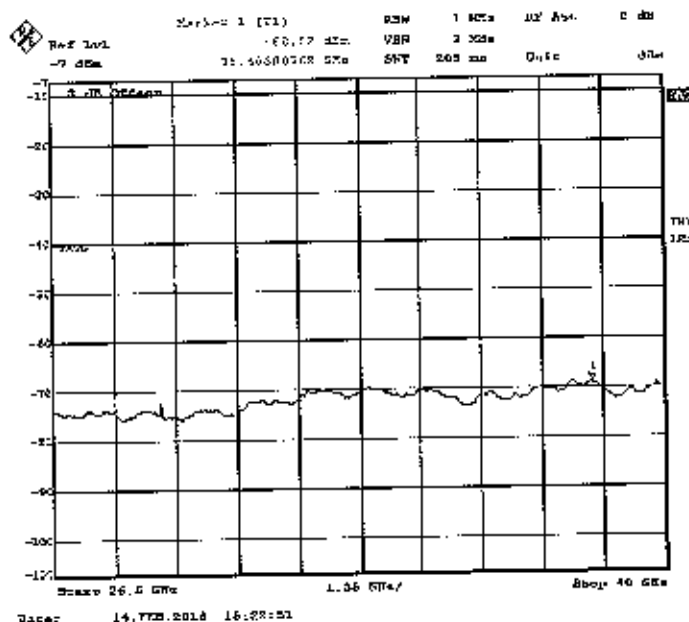


Figure 328 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

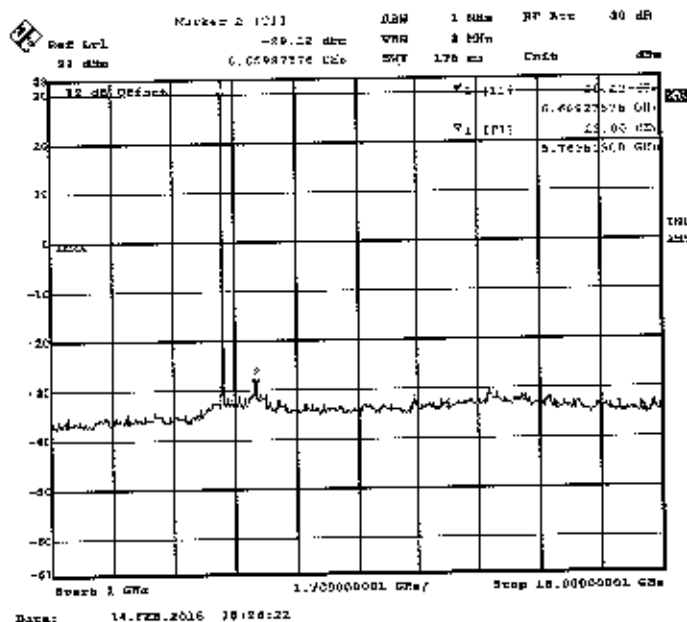


Figure 329 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

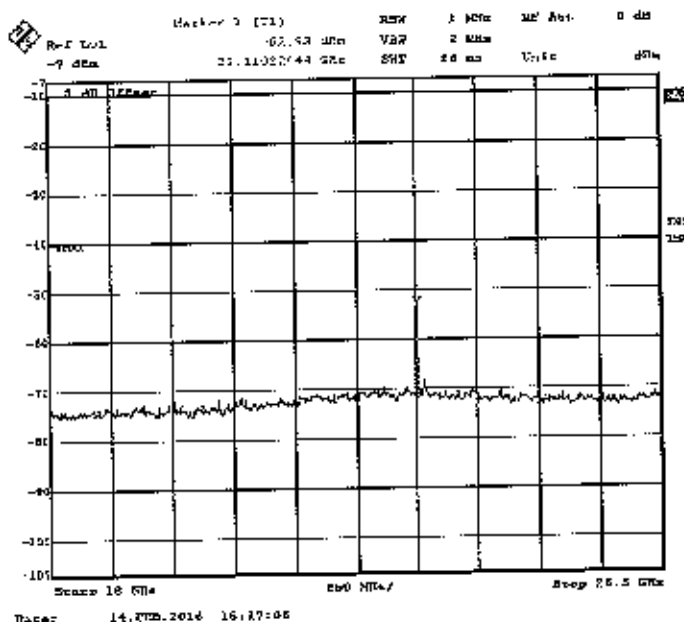


Figure 330 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

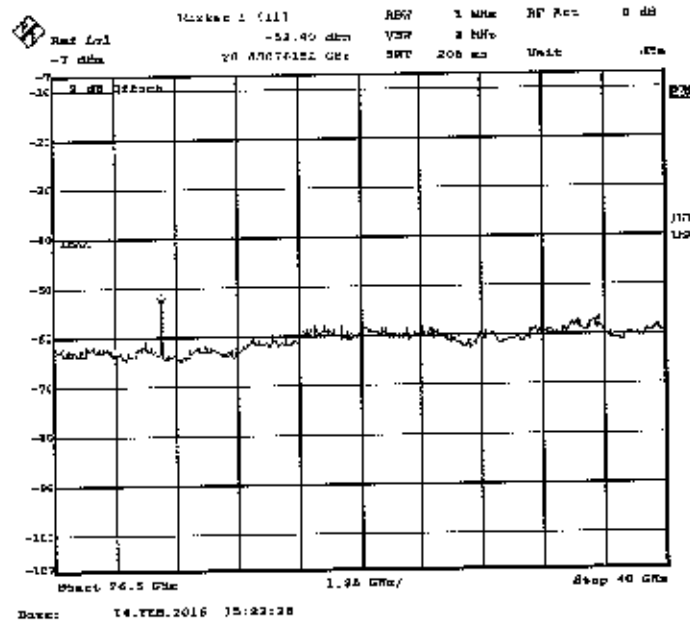


Figure 331 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

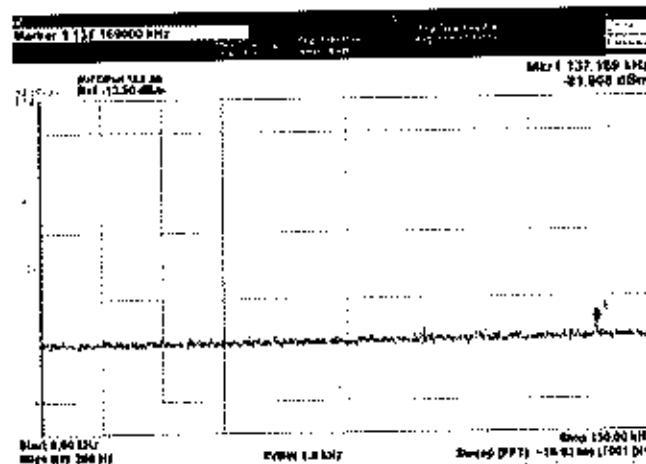


Figure 332 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

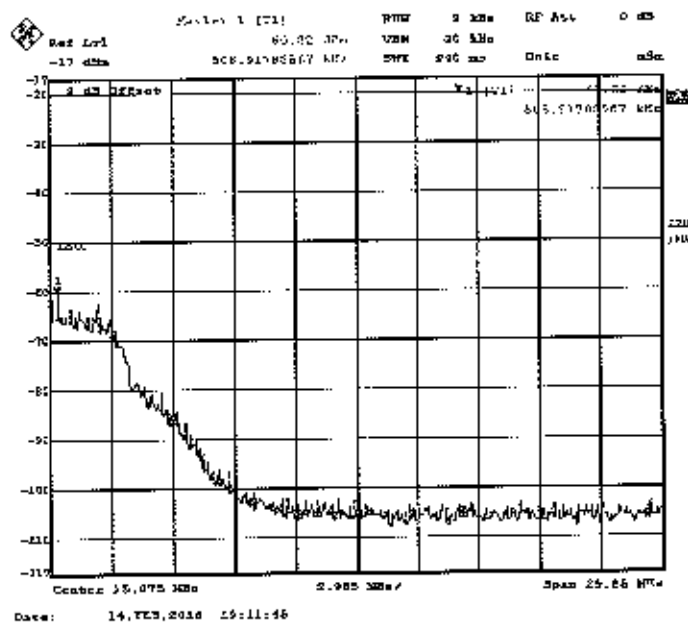


Figure 333 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

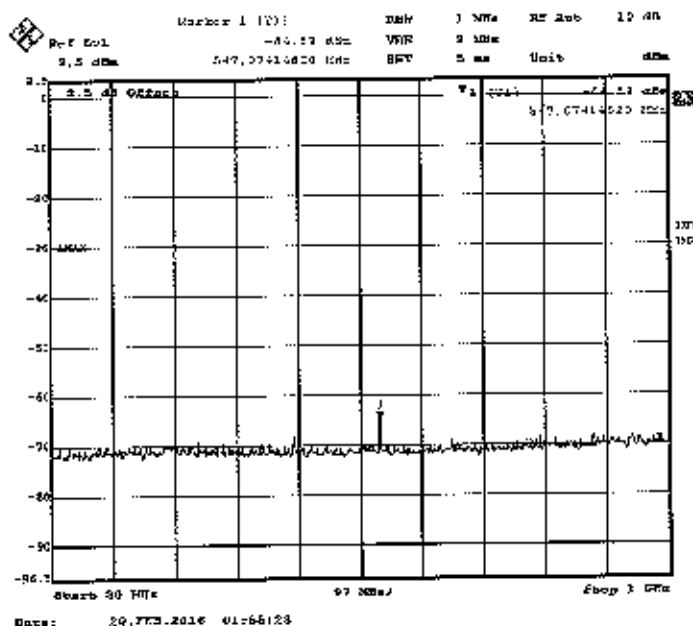


Figure 334 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

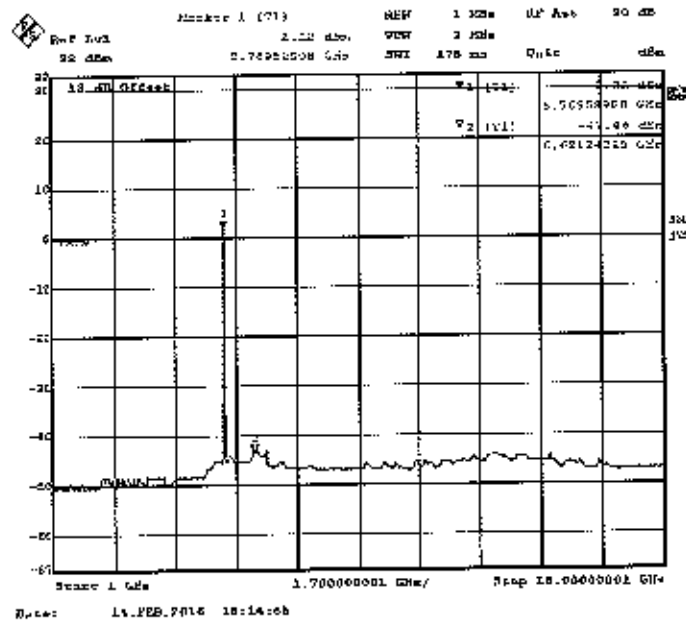


Figure 335 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

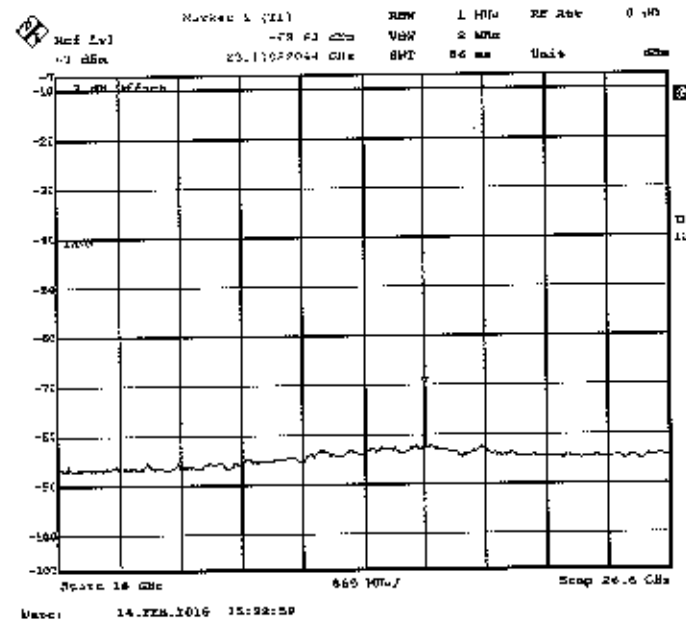


Figure 336 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

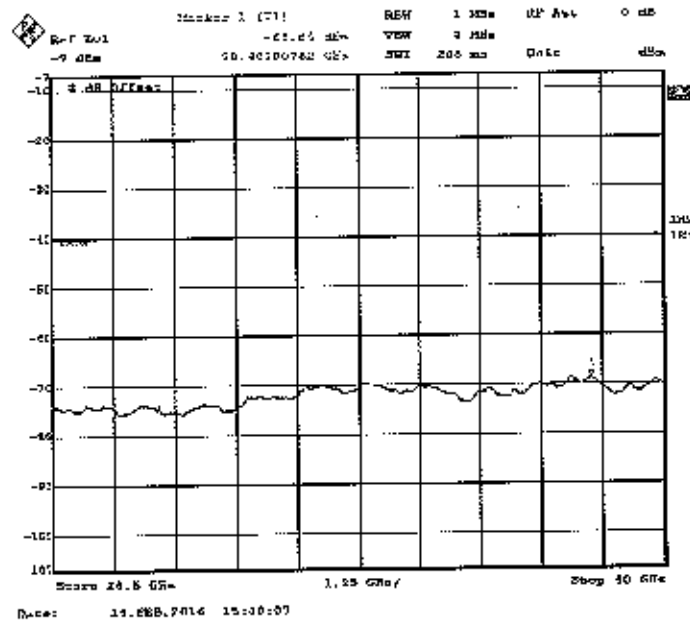


Figure 337 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

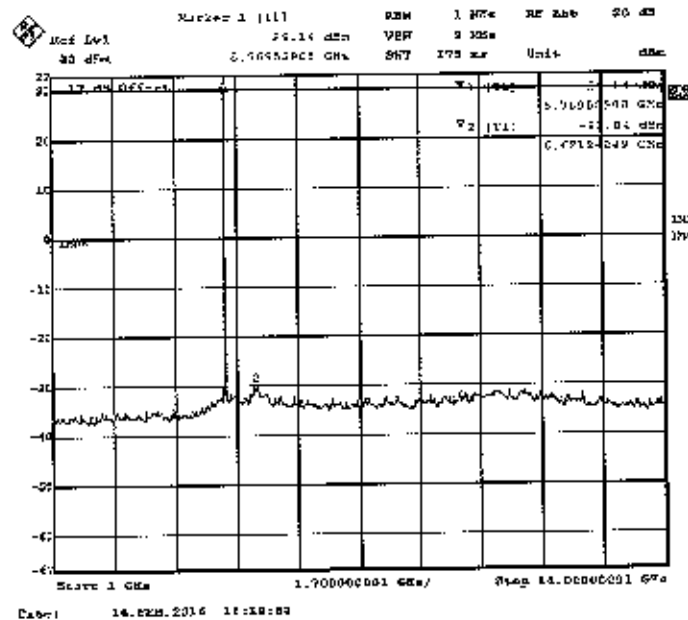


Figure 338 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

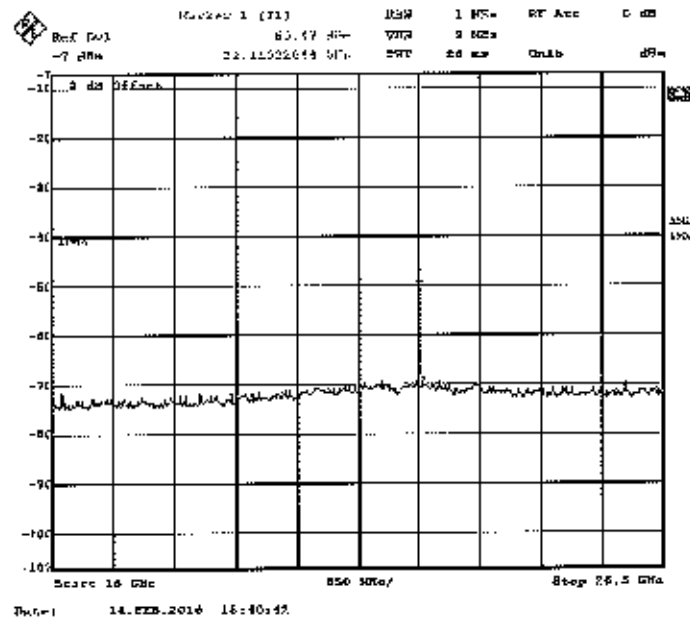


Figure 339 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

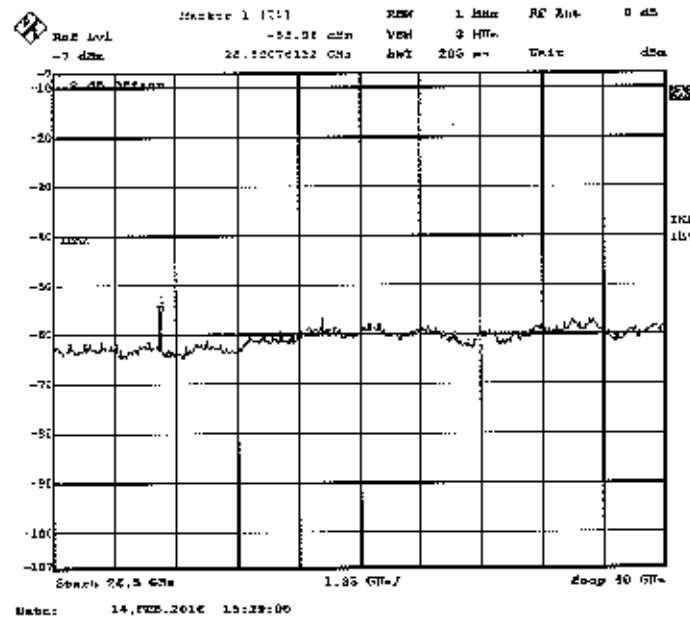


Figure 340 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

[illegible]

Marker 1 [71]

R-F Vol -0.78 dBm

SWR 30 dB

RF Att 0 dB

Unit dBm

dBm

3.00 MHz

1.000 MHz

Stop 20 Hz

19.770.2022 10:16:40

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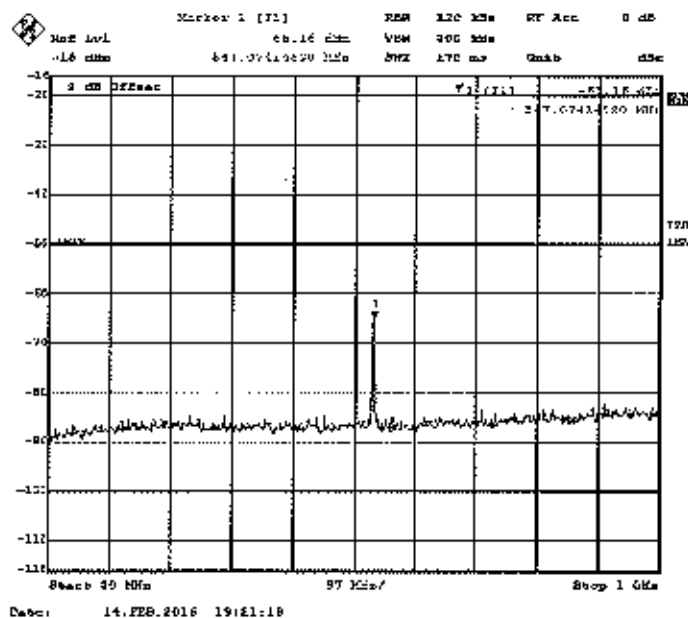


Figure 343 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 0

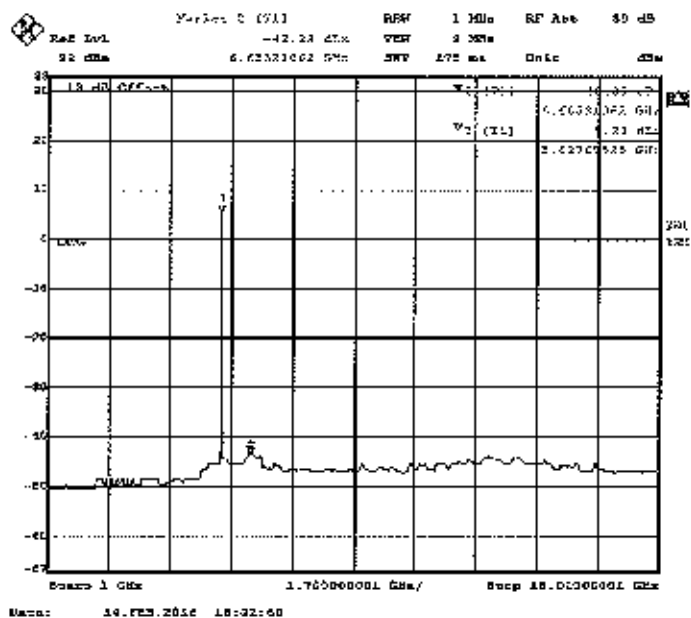


Figure 344 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 0

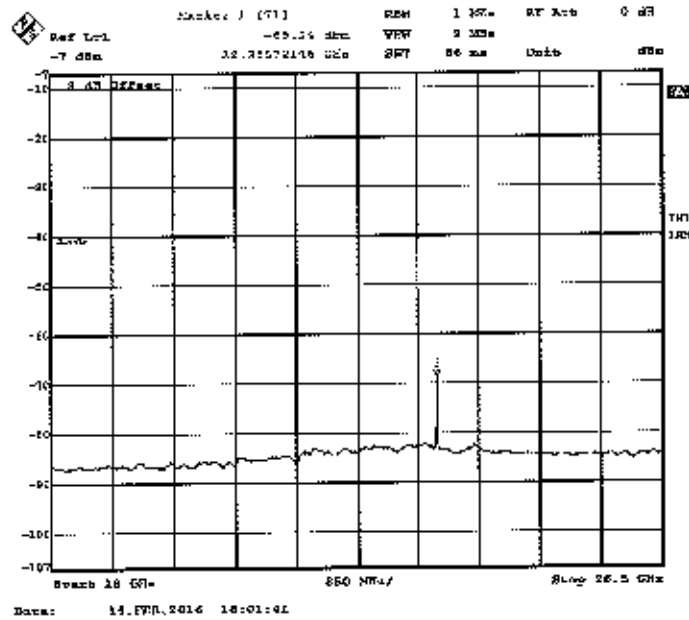


Figure 345 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 0

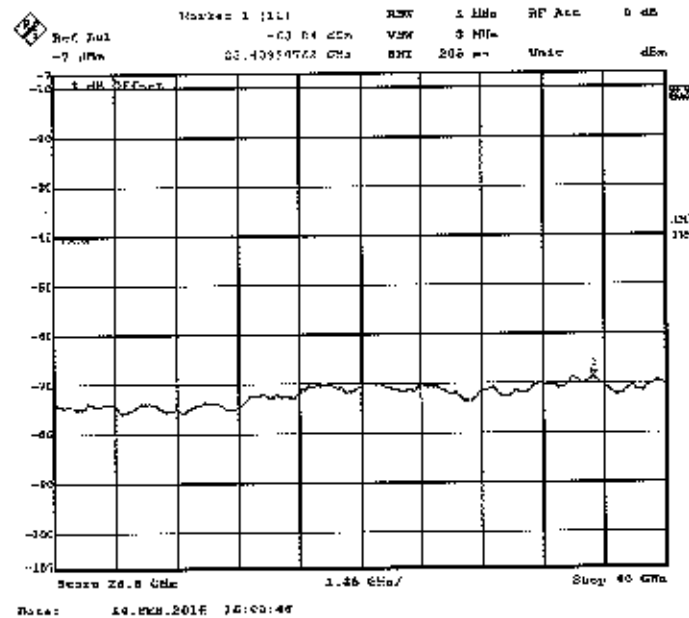


Figure 346 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 0

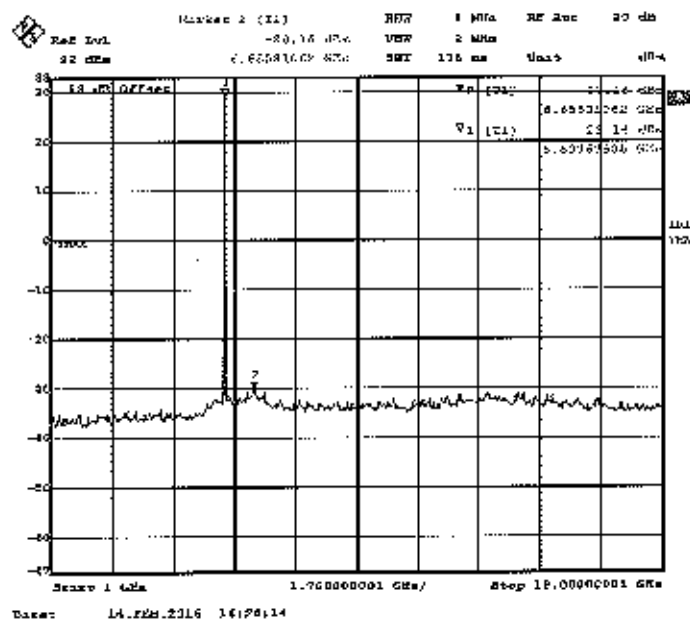


Figure 347 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 0

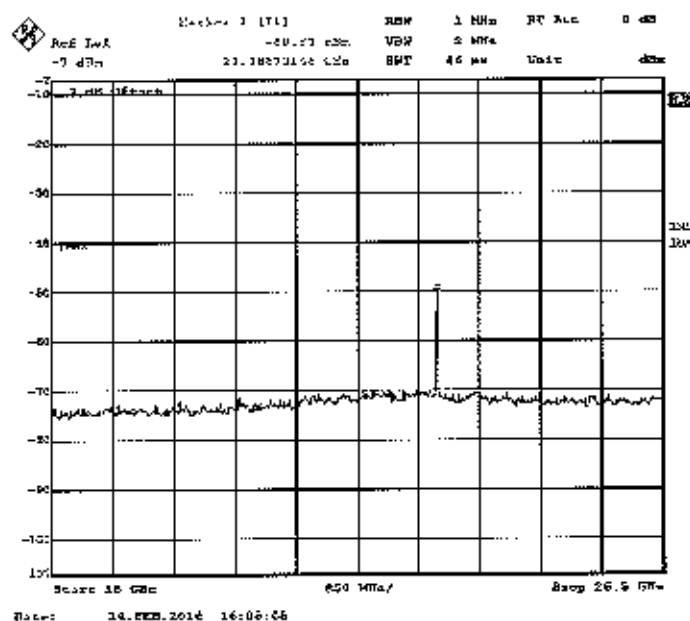


Figure 348 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 0

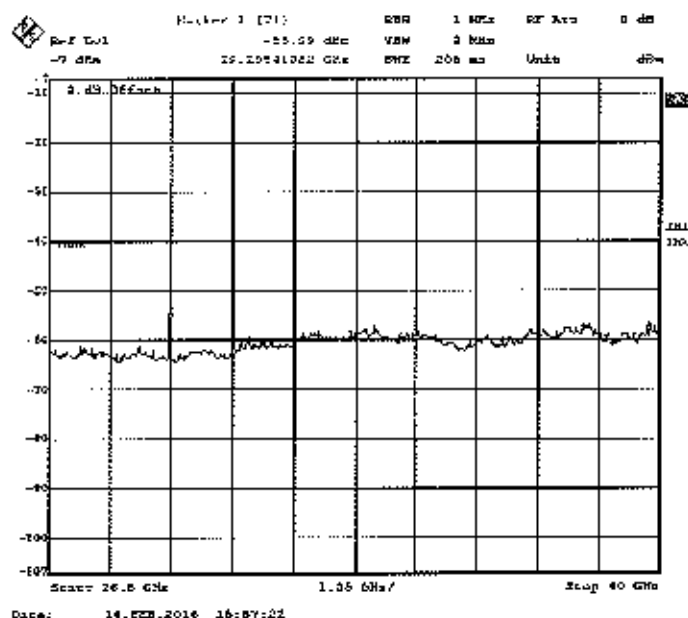


Figure 349 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 0

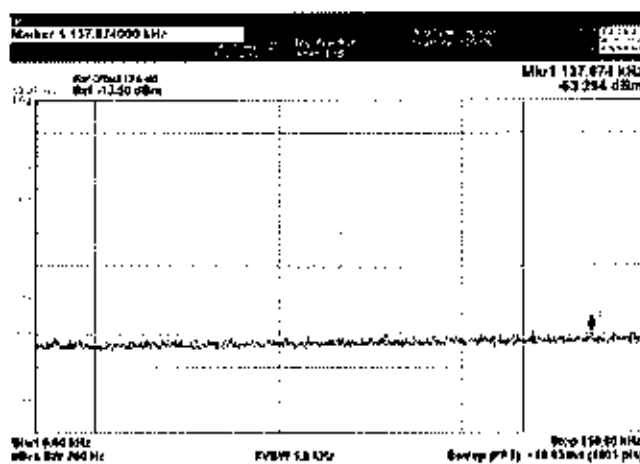


Figure 350 Emission measured with Peak Detector from 9 kHz to 150 kHz at Ch. 1

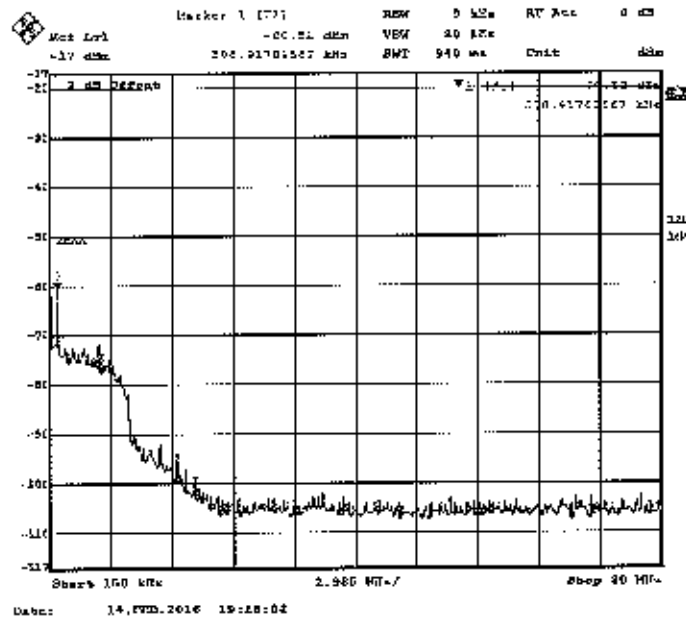


Figure 351 Emission measured with Peak Detector from 150 kHz to 30 MHz at Ch. 1

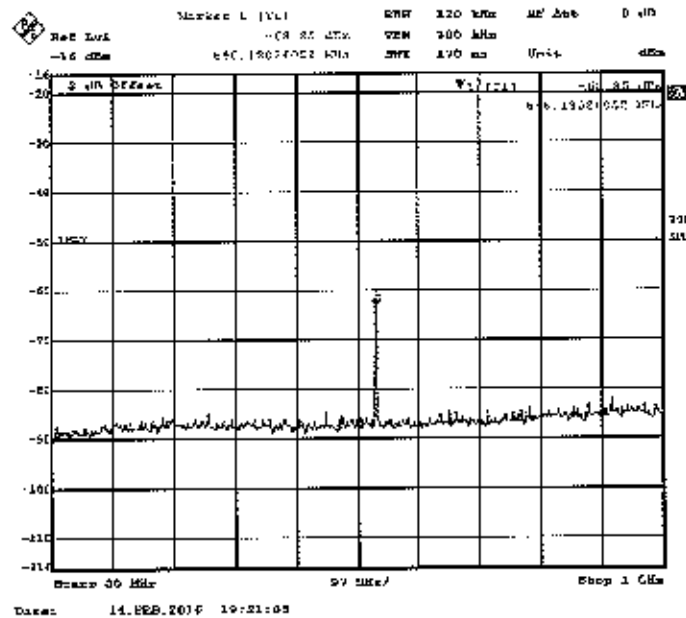


Figure 352 Emission measured with Peak Detector from 30 MHz to 1 GHz at Ch. 1

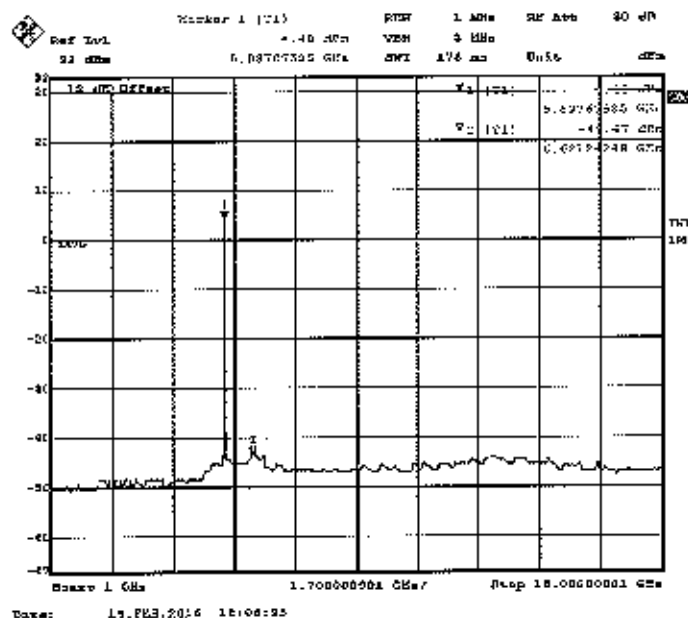


Figure 353 Emission measured with Average Detector from 1 GHz to 18 GHz at Ch. 1

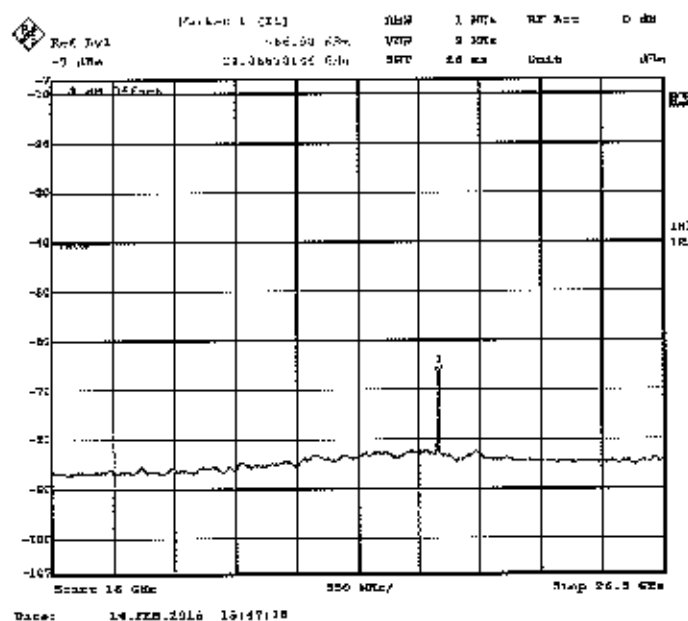


Figure 354 Emission measured with Average Detector from 18 GHz to 26.5 GHz at Ch. 1

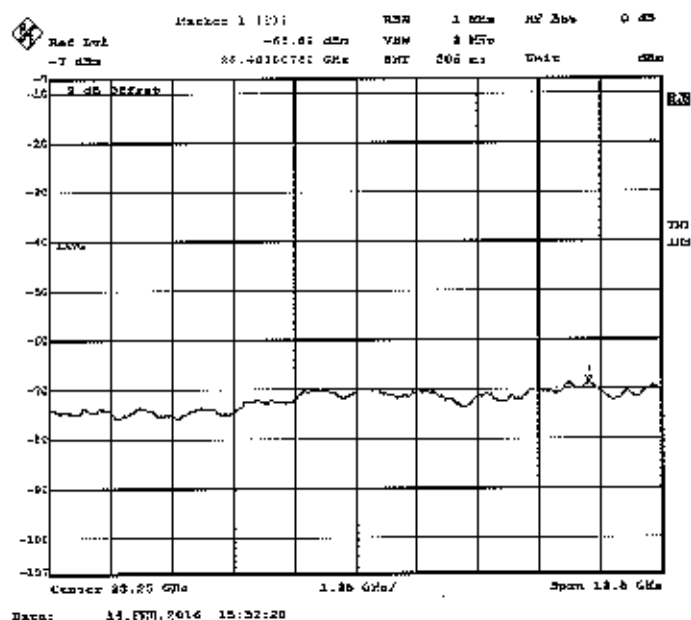


Figure 355 Emission measured with Average Detector from 26.5 GHz to 40 GHz at Ch. 1

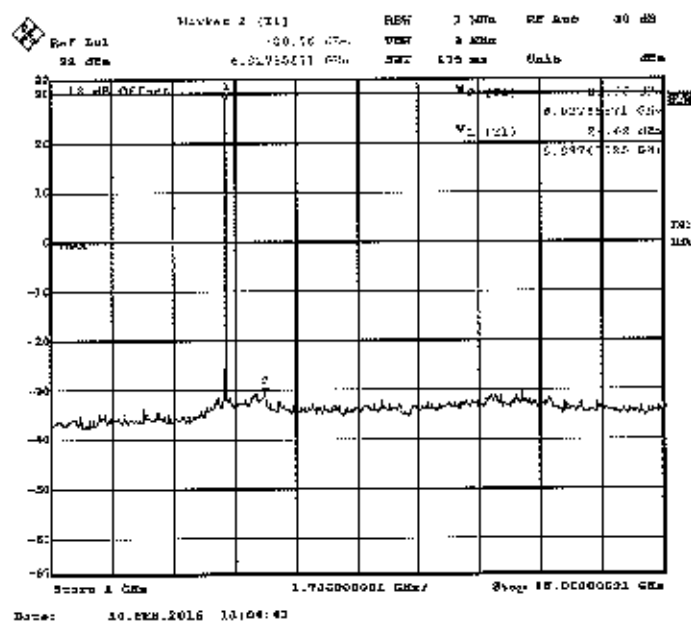


Figure 356 Emission measured with Peak Detector from 1 GHz to 18 GHz at Ch. 1

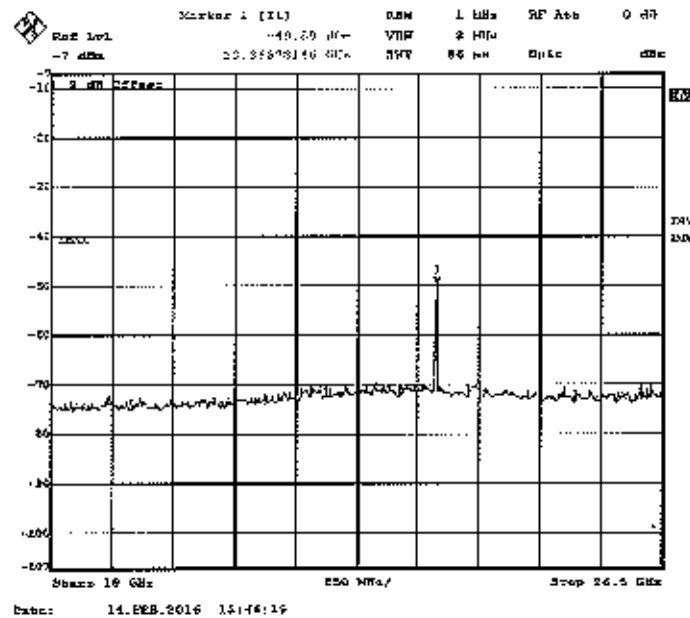


Figure 357 Emission measured with Peak Detector from 18 GHz to 26.5 GHz at Ch. 1

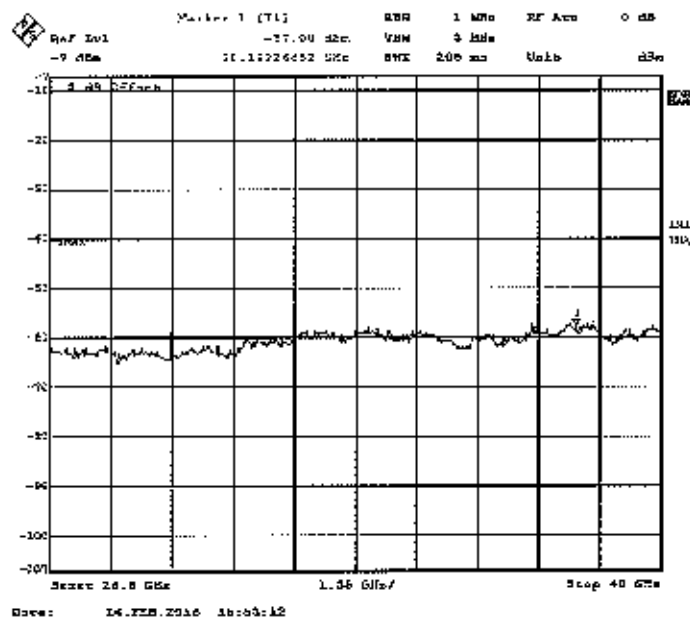


Figure 358 Emission measured with Peak Detector from 26.5 GHz to 40 GHz at Ch. 1

5.3.7.6 RESULT

Conducted RF emission is within the restricted band of operation limit specified. Refer below table for consolidated data.

17DBI ANTENNA: 40MHz MODULATION BANDWIDTH

Channel	Detect or	Freq.	Ch. 0	Freq.	Ch. 1	Ant Gain	EIRP+ GRF Ch. 0	EIRP+ GRF Ch. 1	Ch. 0 + Ch. 1	E	Limit	Margin
	(PK/AVG)	(Hz)	(dBm)	(Hz)	(dBm)	(dBi)	(dBm)	(dBm)	(dBm)	(dBμV/m)		(dB)
Low	PK	96.138 k	-63.88	97.40 k	-63.45	17.00	-40.88	-52.45	-40.59	54.67	128.52	-73.85
	PK	508 k	-60.95	508.917 k	-61.62	17.00	-37.95	-50.62	-37.72	57.54	73.80	-16.26
	PK	30 M	-80.21	30 M	-80.78	17.00	-58.51	-68.48	-58.09	37.16	40.00	-2.84
	AVG	6.655 G	-54.46	62.12 G	-55.09	17.00	-37.46	-38.09	-34.75	60.50	80.00	-19.50
	AVG	23.19 G	-83.48	22.99 G	-83.92	17.00	-66.48	-66.92	-63.68	31.57	80.00	-48.43
	AVG	38.26 G	-72.60	38.40 G	-71.72	17.00	-55.60	-54.72	-52.13	43.13	80.00	-36.87
	PK	6.655 G	-42.25	6.655 G	-42.22	17.00	-25.25	-25.22	-22.22	73.03	80.00	-6.97
	PK	23.008 G	-72.31	18.05 G	-71.42	17.00	-55.31	-54.42	-51.83	43.43	80.00	-36.57
	PK	38.26 G	-72.60	37.97 G	-59.47	17.00	-55.60	-42.47	-42.26	52.99	80.00	-27.01
Mid	PK	10.827 k	-67.92	10.827 k	-67.92	17.00	-44.92	-56.92	-44.65	50.61	128.52	-77.91
	PK	508 k	-60.86	507.917 k	-61.44	17.00	-49.86	-50.44	-47.13	48.13	73.80	-25.67
	PK	947 M	-89.70	30 M	-80.30	17.00	-77.40	-68.00	-67.53	27.73	46.02	-18.29
	AVG	6.689 G	-54.22	6.68 G	-54.81	17.00	-37.22	-37.81	-34.49	60.76	80.00	-19.24
	AVG	23.12 G	-81.94	23.127 G	-81.48	17.00	-64.94	-64.48	-61.69	33.56	80.00	-46.44
	AVG	38.40 G	-68.84	38.40 G	-68.87	17.00	-51.84	-51.87	-48.84	46.41	80.00	-33.59
	PK	6.655 G	-42.58	6.689 G	-33.81	17.00	-25.58	-16.81	-16.27	78.99	80.00	-1.01
	PK	22.34 G	-69.35	23.14 G	-42.65	17.00	-52.35	-25.65	-25.64	69.62	80.00	-10.38
	PK	38.40 G	-57.23	98.43 G	-57.16	17.00	-40.23	-40.16	-37.18	58.07	80.00	-21.93
High	PK	14.04 k	-80.66	22.902 k	-79.93	17.00	-57.66	-68.93	-57.35	37.91	128.52	-90.61
	PK	508.91 k	-60.65	508.92 k	-61.50	17.00	-37.65	-50.50	-37.43	57.83	73.80	-15.97
	PK	970 M	-81.05	953.34 M	-82.06	17.00	-70.75	-69.76	-67.22	28.04	54.00	-25.96
	AVG	6.68 G	-55.31	6.68 G	-54.73	17.00	-38.31	-37.73	-35.00	60.26	80.00	-19.74
	AVG	23.29 G	-82.02	23.29 G	-81.48	17.00	-65.02	-64.48	-61.73	33.53	80.00	-46.47
	AVG	38.40 G	-68.77	38.40 G	-68.86	17.00	-51.77	-51.86	-48.80	46.45	80.00	-33.55
	PK	6.68 G	-42.24	6.68 G	-43.18	17.00	-25.24	-26.18	-22.67	72.58	80.00	-7.42
	PK	23.28 G	-69.88	23.29 G	-68.34	17.00	-52.88	-51.34	-49.03	46.23	80.00	-33.77
	PK	38.40 G	-56.83	37.97 G	-57.15	17.00	-39.83	-40.15	-36.98	58.28	80.00	-21.72

Table 14 Result for 17 dBi configuration – 40 MHz modulation bandwidth

5MHz Modulation Bandwidth

Channel	Detector	Freq.	Ch. 0	Freq.	Ch. 1	Ant Gain	EIRP+GRF Ch. 0	EIRP+GRF Ch. 1	Ch. 0 + Ch. 1	E	Limit	Margin
	(PK/AVG)	(Hz)	(dBm)	(Hz)	(dBm)	(dBi)	(dBm)	(dBm)	(dBm)	(dBμV/m)		(dB)
Low	PK	136.6 k	-83.09	15.314 k	-81.55	17.00	-60.09	-70.55	-59.72	35.54	128.52	-92.98
	PK	508.91 k	-60.99	508.91 k	-60.87	17.00	-37.99	-49.87	-37.72	57.54	73.80	-16.26
	PK	440 M	-80.53	440 M	-80.88	17.00	-58.83	-68.58	-58.39	36.86	46.02	-9.16
	AVG	6.6212 G	-54.60	6.68 G	-54.64	17.00	-37.60	-37.64	-34.61	60.65	80.00	-19.35
	AVG	22.93 G	-80.81	22.99 G	-80.80	17.00	-63.81	-63.80	-60.80	34.46	80.00	-45.54
	AVG	38.40 G	-68.82	38.40 G	-68.81	17.00	-51.82	-51.81	-48.80	46.45	54.00	-7.55
	PK	6.6212 G	-41.52	6.75 G	-42.90	17.00	-24.52	-25.90	-22.15	73.11	80.00	-6.89
	PK	22.93 G	-64.41	22.93 G	-65.30	17.00	-47.41	-48.30	-44.82	50.44	74.00	-23.56
	PK	38.37 G	-57.30	38.40 G	-56.98	17.00	-40.30	-39.98	-37.13	58.13	80.00	-21.87
Mid	PK	148.02 k	-83.72	145.91 k	-83.50	17.00	-60.72	-72.50	-60.44	34.82	128.52	-93.70
	PK	308.91 k	-61.06	308.91 k	-61.21	17.00	-50.06	-50.21	-47.12	48.13	108.52	-60.39
	PK	480.98 M	-80.19	480.98 M	-80.30	17.00	-67.89	-68.00	-64.93	30.32	93.80	-63.48
	AVG	6.68 G	-51.84	6.62 G	-54.95	17.00	-34.84	-37.95	-33.11	62.15	80.00	-17.85
	AVG	23.039 G	-81.41	23.09 G	-81.48	17.00	-64.41	-64.48	-61.43	33.82	54.00	-20.18
	AVG	38.40 G	-68.70	38.40 G	-68.87	17.00	-51.70	-51.87	-48.77	46.48	80.00	-33.52
	PK	6.38 G	-41.46	6.58 G	-42.90	17.00	-24.46	-25.90	-22.11	73.15	80.00	-6.85
	PK	23.09 G	-61.05	23.11 G	-68.76	17.00	-44.05	-51.76	-43.37	51.89	74.00	-22.11
	PK	38.43 G	-57.79	37.94 G	-57.16	17.00	-40.79	-40.16	-37.45	57.80	80.00	-22.20
High	PK	126.31 k	-82.85	141.11 k	-79.93	17.00	-59.85	-68.93	-59.35	35.91	128.52	-92.61
	PK	508.91 k	-61.39	508.91 k	-61.50	17.00	-38.39	-50.50	-38.13	57.13	73.80	-16.67
	PK	914.46 M	-82.66	957.23 M	-82.06	17.00	-70.36	-69.76	-67.04	28.22	69.54	-41.32
	AVG	6.655 G	-54.70	6.62 G	-54.88	17.00	-37.70	-37.88	-34.78	60.48	80.00	-19.52
	AVG	23.36 G	-79.94	23.36 G	-81.48	17.00	-62.94	-64.48	-60.63	34.63	54.00	-19.37
	AVG	38.37 G	-68.90	38.40 G	-68.86	17.00	-51.90	-51.86	-48.87	46.39	80.00	-33.61
	PK	6.68 G	-43.00	6.68 G	-42.20	17.00	-26.00	-25.20	-22.57	72.09	80.00	-7.31
	PK	23.36 G	-62.30	23.36 G	-68.34	17.00	-45.30	-51.34	-44.33	50.92	80.00	-29.08
	PK	38.32 G	-57.36	38.05 G	-57.15	17.00	-40.36	-40.15	-37.24	58.01	80.00	-21.99

Table 15 Result for 17 dBi configuration - 5 MHz modulation bandwidth

6 DBI ANTENNA CONDITION

40MHz Modulation Bandwidth

Channel	Detector	Freq.	Ch. 0	Freq.	Ch. 1	Ant Gain	EIRP + GRF Ch. 0	EIRP + GRF Ch. 1	Ch. 0 + Ch. 1	E	Limit	Margin
	(PK/AVG)	(Hz)	(dBm)	(Hz)	(dBm)	(dBi)	(dBm)	(dBm)	(dBm)	(dBμV/m)		(dB)
Low	PK	141.26 k	-82.64	138.579 k	-82.95	6.00	-70.64	-82.95	-70.39	24.87	128.52	-103.65
	PK	508.91 k	-60.96	508.91 k	-61.60	6.00	-48.96	-61.60	-48.73	46.53	73.80	-27.27
	PK	451.82 M	-71.09	451.82 M	-73.52	6.00	-60.39	-72.22	-60.11	35.14	46.02	-10.88
	AVG	6.65 G	-44.09	6.655 G	-45.39	6.00	-38.09	-39.39	-35.68	59.58	80.00	-20.42
	AVG	22.99 G	-78.82	22.99 G	-77.70	6.00	-72.82	-71.70	-69.21	26.04	54.00	-27.96
	AVG	38.40 G	-68.89	38.40 G	-68.89	6.00	-62.89	-62.89	-59.88	35.38	80.00	-44.62
	PK	6.65 G	-33.04	6.65 G	-33.52	6.00	-27.04	-27.52	-24.26	70.99	80.00	-9.01
	PK	22.99 G	-65.69	22.99 G	-64.63	6.00	-59.69	-58.63	-56.12	39.14	54.00	-14.86
	PK	33.39 G	-57.52	33.37 G	-56.46	6.00	-51.52	-50.46	-47.95	47.31	80.00	-32.69
Mid	PK	135.76 k	-81.94	135.759 k	-81.94	6.00	-69.94	-81.94	-69.67	25.58	128.52	-102.94
	PK	308.91 k	-60.48	308.91 k	-61.40	6.00	-60.48	-61.40	-57.91	37.35	73.80	-36.45
	PK	39.71 M	-62.87	39.71 M	-65.33	6.00	-61.57	-64.03	-59.62	35.64	40.00	-4.36
	PK	6.68 G	-45.38	6.68 G	-45.14	6.00	-39.38	-39.14	-36.25	59.01	80.00	-20.99
	AVG	23.14 G	-72.95	23.12 G	-70.51	6.00	-66.95	-64.51	-62.55	32.71	54.00	-21.29
	AVG	37.94 G	-68.89	38.40 G	-68.85	6.00	-62.89	-62.85	-59.86	35.40	80.00	-44.60
	AVG	6.69 G	-32.55	6.68 G	-32.77	6.00	-26.55	-26.77	-23.65	71.61	80.00	-8.39
	PK	23.12 G	-59.70	23.12 G	-38.12	6.00	-53.70	-32.12	-32.09	63.17	74.00	-10.83
	PK	39.81 G	-58.05	28.80 G	-55.50	6.00	-52.05	-49.50	-47.58	47.68	80.00	-32.32
High	PK	124.76 k	-84.29	138.015 k	-83.28	6.00	-72.29	-83.28	-71.96	23.30	128.52	-105.22
	PK	308.91 k	-60.63	308.917 k	-61.52	6.00	-48.63	-61.52	-48.41	46.85	73.80	-26.95
	PK	30 M	-67.67	30 M	-68.82	6.00	-66.37	-67.52	-63.90	31.36	40.00	-8.64
	AVG	6.68 G	-45.33	6.68 G	-43.42	6.00	-39.33	-37.42	-35.26	60.00	80.00	-20.00
	AVG	23.29 G	-73.48	23.29 G	-71.70	6.00	-67.48	-65.70	-63.49	31.77	80.00	-48.23
	AVG	37.97 G	-68.88	37.97 G	-68.89	6.00	-62.88	-62.89	-59.87	35.38	80.00	-44.62
	PK	6.68 G	-34.96	6.68 G	-32.81	6.00	-28.96	-26.81	-24.74	70.51	80.00	-9.49
	PK	23.29 G	-61.97	23.29 G	-59.14	6.00	-55.97	-53.14	-51.32	43.94	80.00	-36.06
	PK	38.40 G	-57.00	37.94 G	-55.84	6.00	-51.00	-49.81	-47.37	47.89	80.00	-32.11

Table 16 Result for 6 dBi configuration – 40 MHz modulation bandwidth

5 MHz Modulation Bandwidth

Channel	Detector	Freq.	Ch. 0	Freq.	Ch. 1	Ant Gain	EIRP + GRF Ch. 0	EIRP + GRF Ch. 1	Ch. 0 + Ch. 1	E	Limit	Mavg/a
	(PK/AVG)	(Hz)	(dBm)	(Hz)	(dBm)	(dBi)	(dBm)	(dBm)	(dBm)	(dBμV/m)		(dB)
Low	PK	106.29 k	-77.55	122.223 k	-82.95	6.00	-65.55	-82.95	-65.47	29.78	128.52	-98.74
	PK	508.91 k	-58.19	508.917 k	-61.60	6.00	-46.19	-61.60	-46.07	49.19	73.80	-24.61
	PK	547.16 M	-64.40	547.16 M	-64.40	6.00	-53.70	-63.10	-53.23	42.03	46.02	-3.99
	AVG	6.62 G	-43.43	6.655 G	-45.39	6.00	-37.41	-39.39	-35.29	59.97	80.00	-20.03
	AVG	22.93 G	-71.10	22.93 G	-77.70	6.00	-65.10	-71.70	-64.24	31.02	54.00	-22.98
	AVG	34.94 G	-68.83	31.40 G	-68.89	6.00	-62.83	-62.89	-59.85	35.41	54.00	-18.59
	PK	6.62 G	-33.36	6.6212 G	-33.52	6.00	-27.36	-27.52	-24.43	70.83	80.00	-9.17
	PK	22.93 G	-53.37	22.93 G	-64.63	6.00	-47.37	-58.63	-47.06	48.20	54.00	-5.80
	PK	37.91 G	-57.28	28.666 G	-56.46	6.00	-51.28	-50.46	-47.84	47.42	80.00	-32.58
Mid	PK	116.865 k	-84.21	137.169 k	-81.91	6.00	-72.21	-81.91	-71.76	23.49	128.52	-105.03
	PK	508.91 k	-59.42	508.91 k	-60.32	6.00	-59.42	-60.32	-56.84	38.42	73.80	-35.38
	PK	440 M	-69.01	547.00 k	-64.83	6.00	-67.71	-63.53	-62.13	33.13	46.02	-12.89
	PK	6.68 G	-43.17	6.62 G	-43.46	6.00	-37.17	-37.46	-34.30	60.96	80.00	-19.04
	AVG	23.11 G	-72.31	23.11 G	-69.93	6.00	-66.31	-63.93	-61.95	33.31	54.00	-20.69
	AVG	38.40 G	-68.82	38.40 G	-68.84	6.00	-62.82	-62.84	-59.82	35.44	80.00	-44.56
	AVG	6.68 G	-29.22	6.6212 G	-31.04	6.00	-23.22	-25.04	-21.03	74.23	80.00	-5.77
	PK	23.11 G	-52.93	23.11 G	-50.47	6.00	-46.93	-44.47	-42.52	52.74	74.00	-21.26
	PK	28.88 G	-53.40	28.88 G	-55.56	6.00	-47.40	-49.56	-45.34	49.92	80.00	-30.08
High	PK	136.464 k	-82.27	137.874 k	-83.29	6.00	-70.27	-83.29	-70.06	25.20	128.52	-103.32
	PK	508.91 k	-60.73	508.917 k	-60.52	6.00	-48.73	-60.52	-48.45	46.81	73.80	-26.99
	PK	547.07 M	-65.16	545.13 M	-63.35	6.00	-63.86	-62.05	-59.85	35.41	56.00	-20.59
	AVG	6.65 G	-43.33	6.622 G	-43.47	6.00	-37.33	-37.47	-34.39	60.87	80.00	-19.13
	AVG	23.36 G	-68.94	23.36 G	-66.93	6.00	-62.94	-60.93	-58.81	36.45	80.00	-43.55
	AVG	38.40 G	-68.84	38.40 G	-68.83	6.00	-62.84	-62.83	-59.82	35.43	80.00	-44.57
	PK	6.65 G	-30.14	6.62 G	-30.76	6.00	-24.14	-24.76	-21.43	73.83	80.00	-6.17
	PK	23.36 G	-50.83	23.36 G	-49.39	6.00	-44.83	-43.39	-41.04	54.22	80.00	-25.78
	PK	29.20 G	-55.99	38.13 G	-57.90	6.00	-49.99	-51.90	-47.83	47.43	80.00	-32.57

Table 17 Result for 6 dBi configuration - 5 MHz modulation bandwidth

Note:

GRF is Ground Reflection Factor and it is considered to be 6dB for frequencies below 30MHz, 4.7dB for frequencies between 30MHz to 1GHz & 0dB for frequencies above 1GHz.

$EIRP = Ch. x \text{ measured power} + \text{Antenna gain}$

$E = (EIRP + GRF) - 20 \log D + 104.8$

$\text{Margin} = E - \text{Limit}$

ANNEXURE I: EUT SOFTWARE SETTINGS

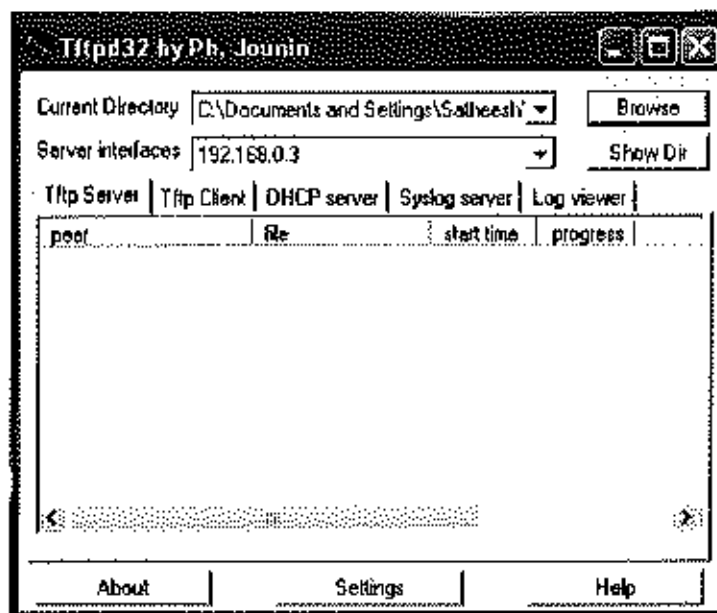


Figure 359 tftpd32 application screenshot

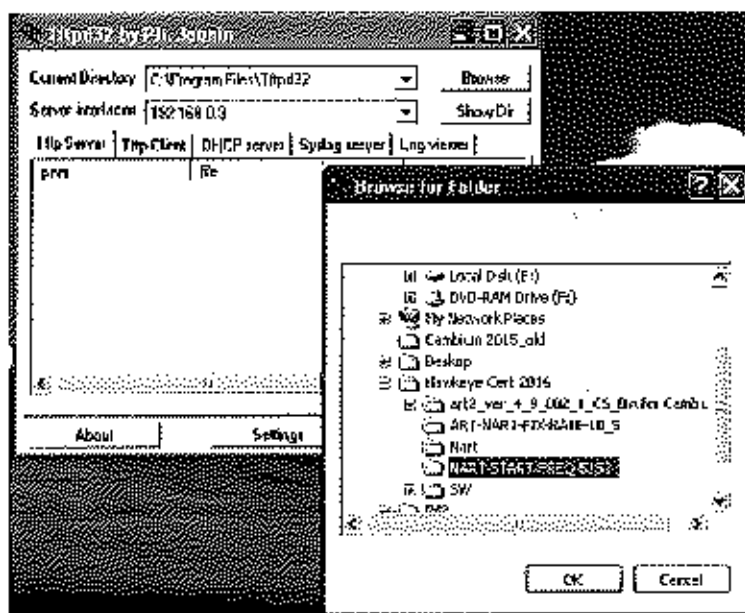


Figure 360 tftpd32 application initialization root_ screenshot

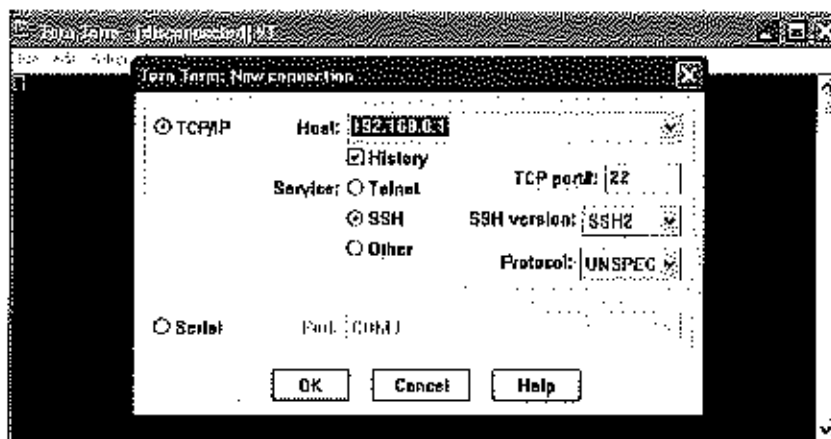


Figure 361 Tera term application screenshot

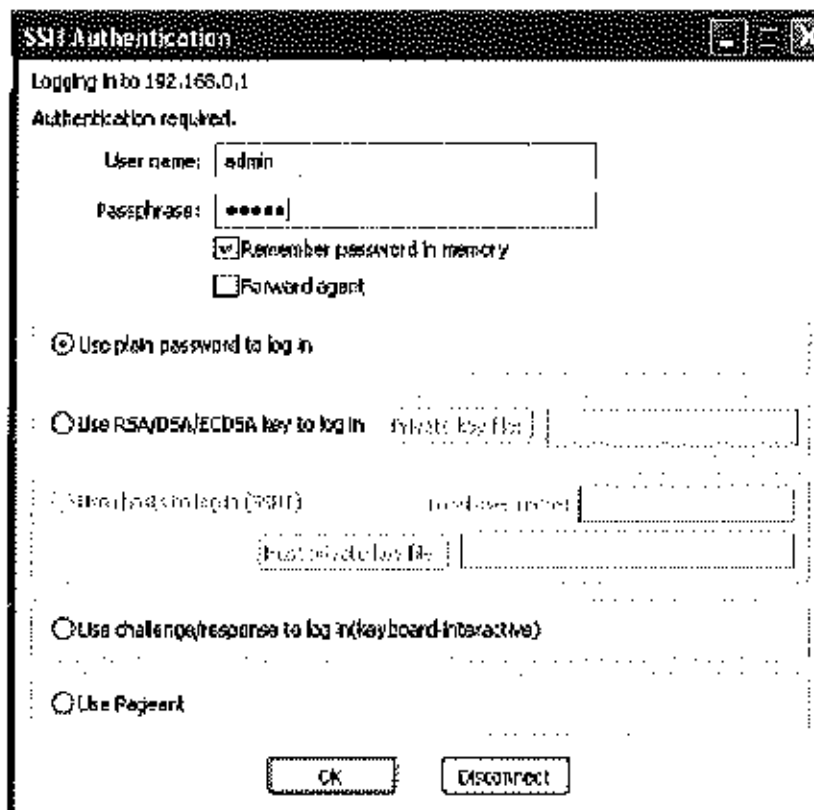


Figure 362 Tera term application Login screenshot

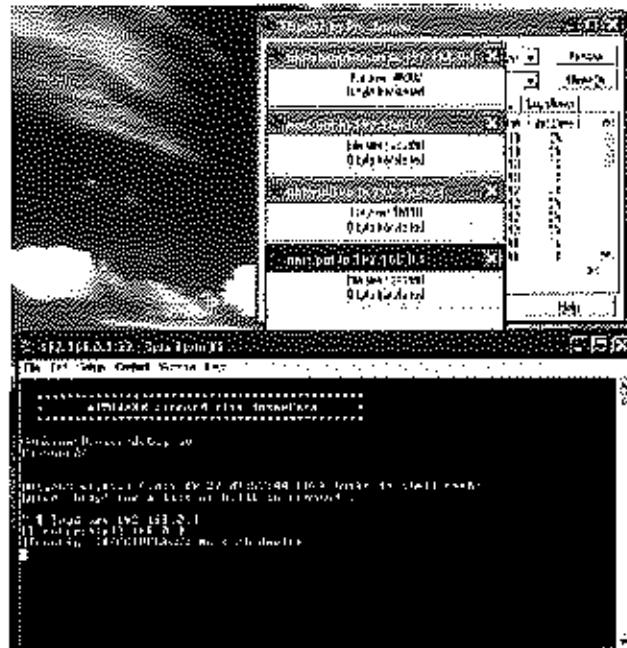


Figure 363 Initializing EUT screenshot

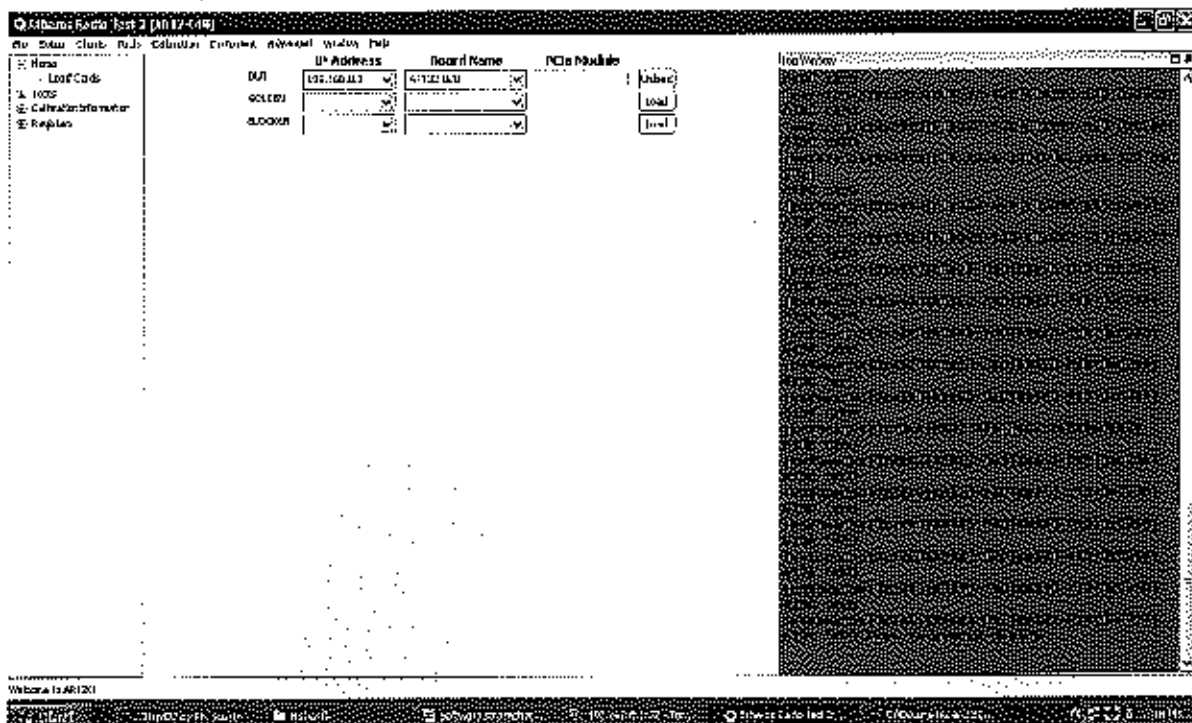


Figure 364 Atheros Radio Test GUI screenshot-1

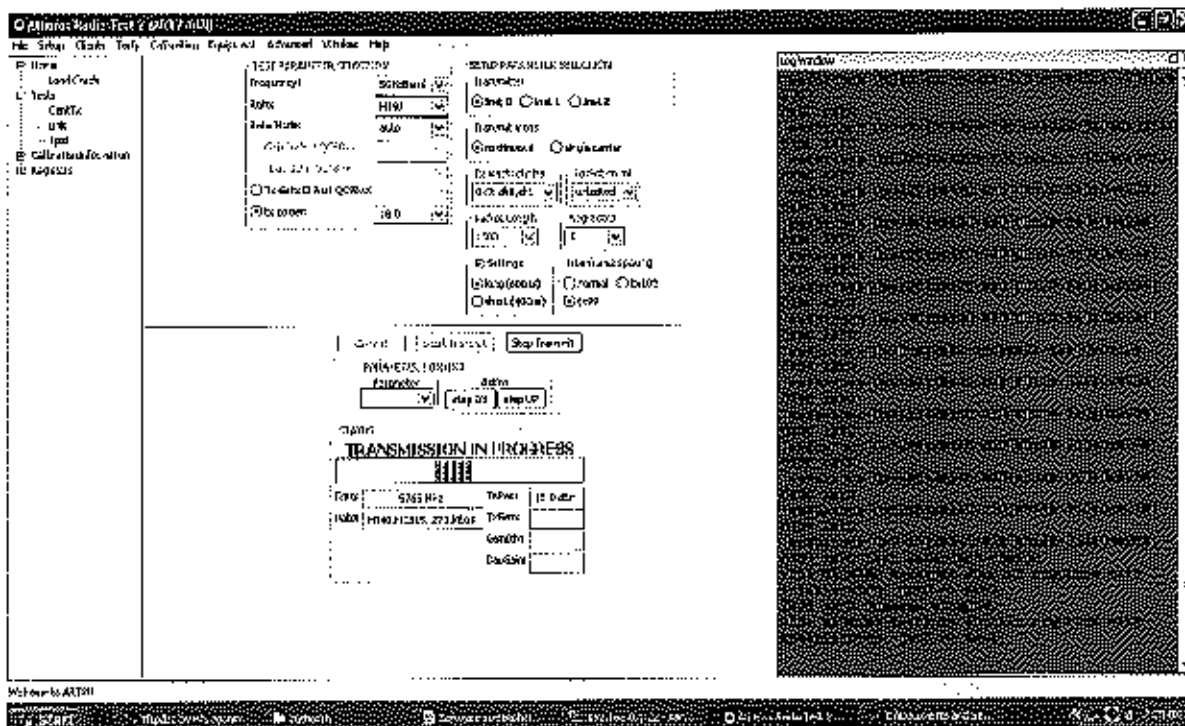


Figure 365 Athens Radio Test GUI screenshot -2

ANNEXURE II: ACRONYMS

dB μ V	Decibel micro Volts
dBm	Decibel in milli watt
EUT	Equipment Under Test
FCC	Federal Communications Commission
GHz	Giga Hertz
kHz	Kilo Hertz
LISN	Line Impedance Stabilization Network
MHz	Mega Hertz
POE	Power over Ethernet
PSD	Power Spectral density
QP	Quasi Peak
RF	Radio Frequency

END OF REPORT