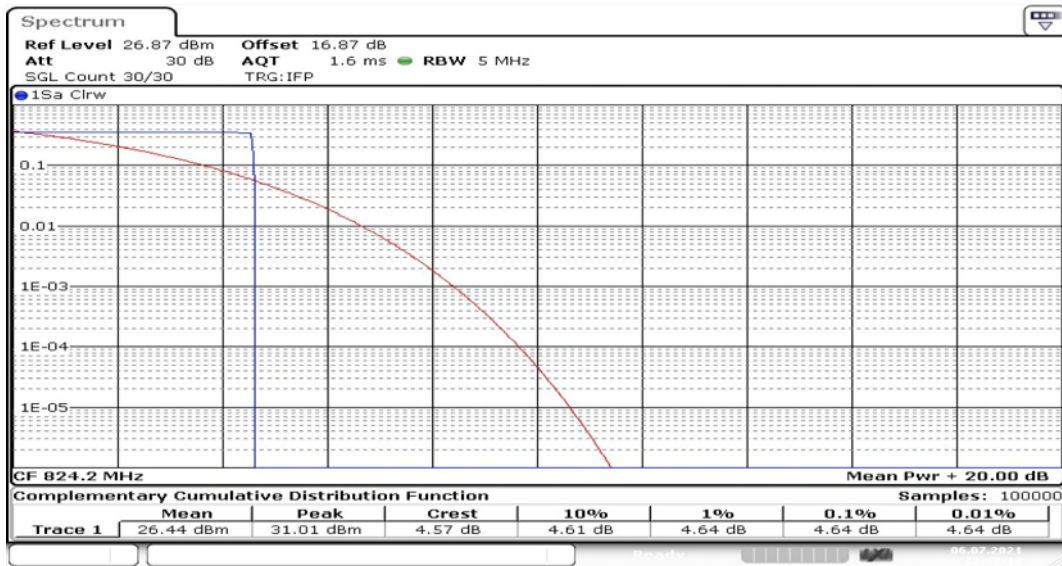


## 7. Peak-Average Ratio

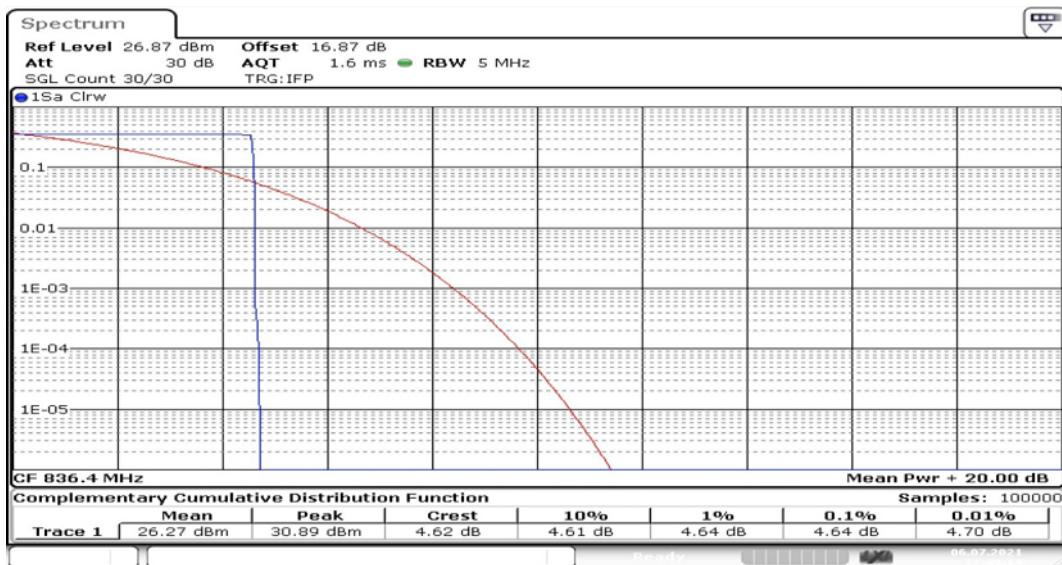
### GSM850

GSM MODE:



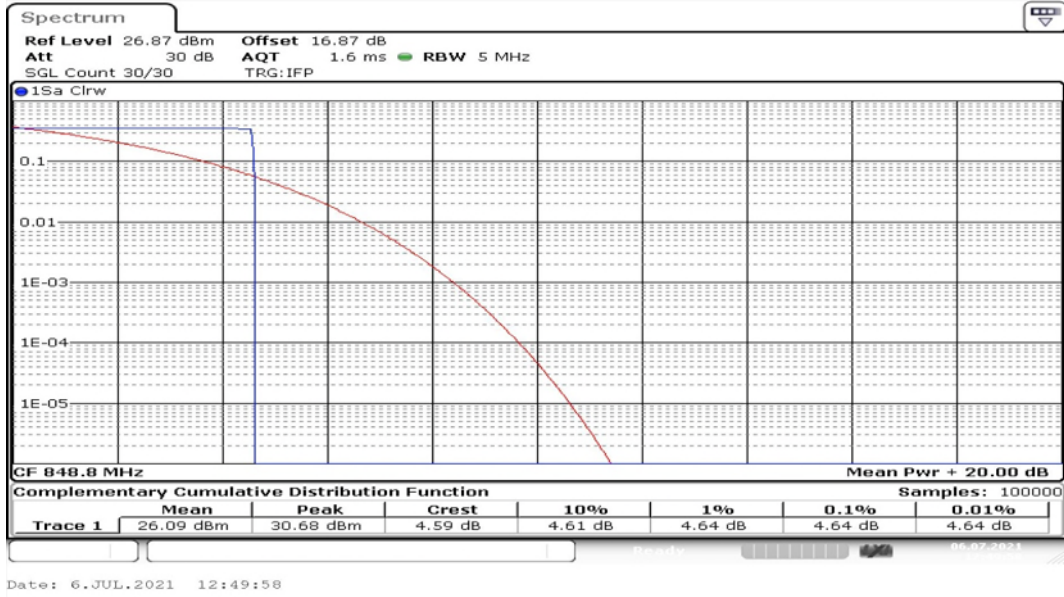
Date: 6.JUL.2021 12:48:11

Channel 128



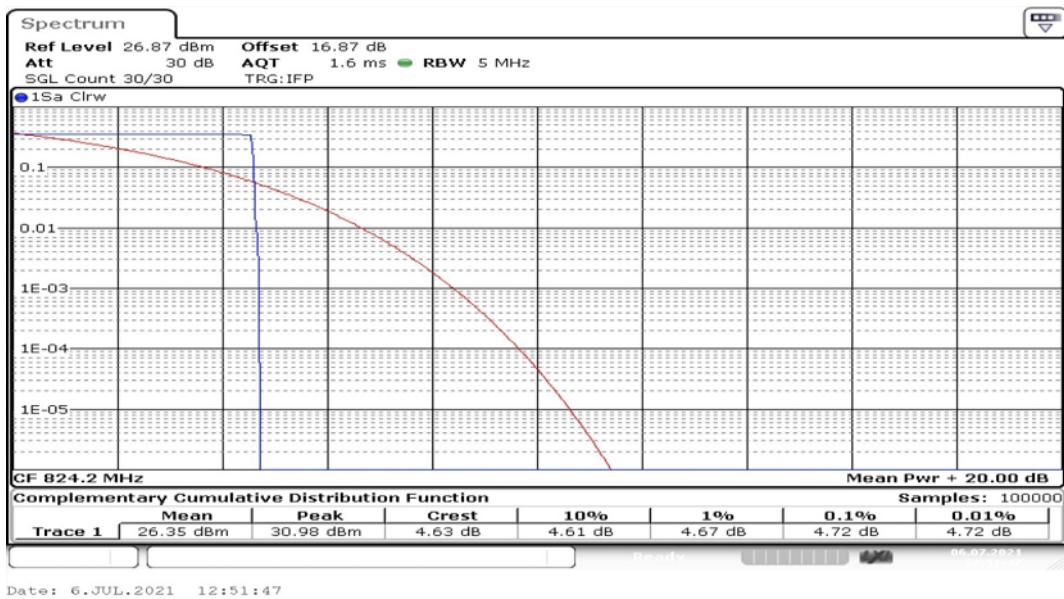
Date: 6.JUL.2021 12:49:14

Channel 189

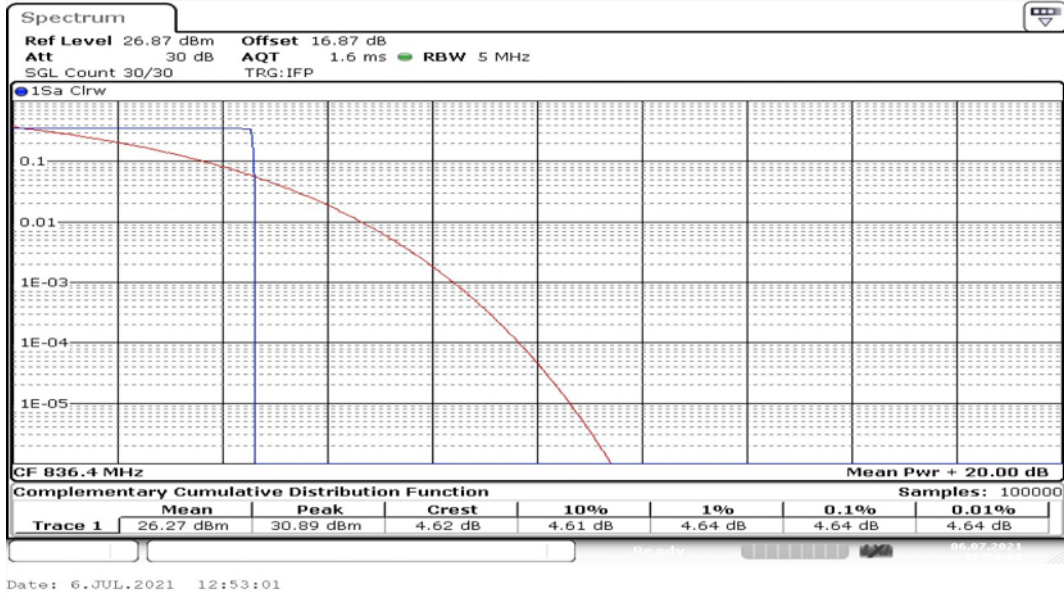


Channel 251

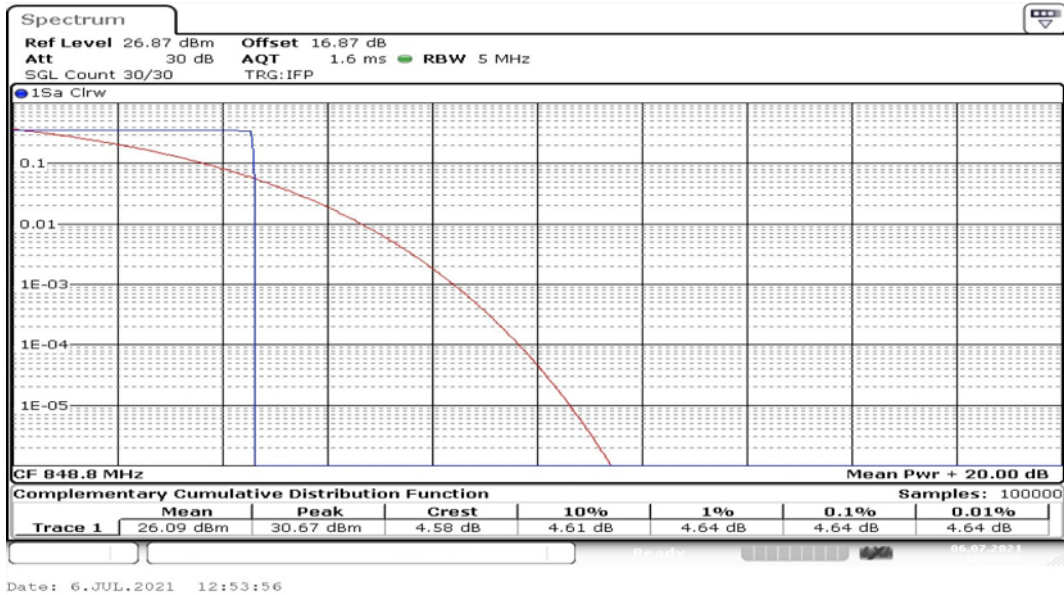
GPRS MODE:



Channel 128

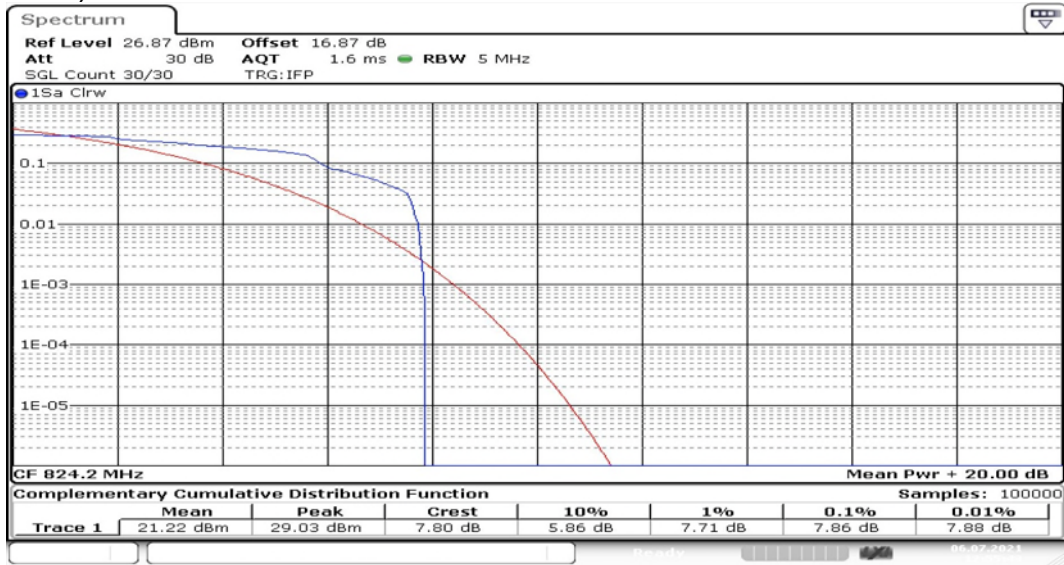


Channel 189



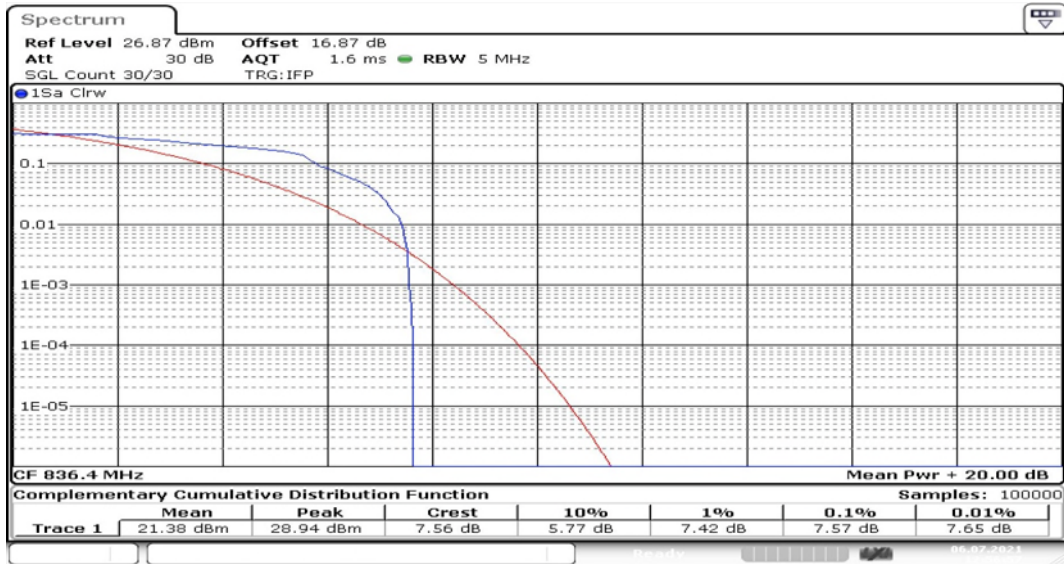
Channel 251

EDGE (8PSK) MODE:



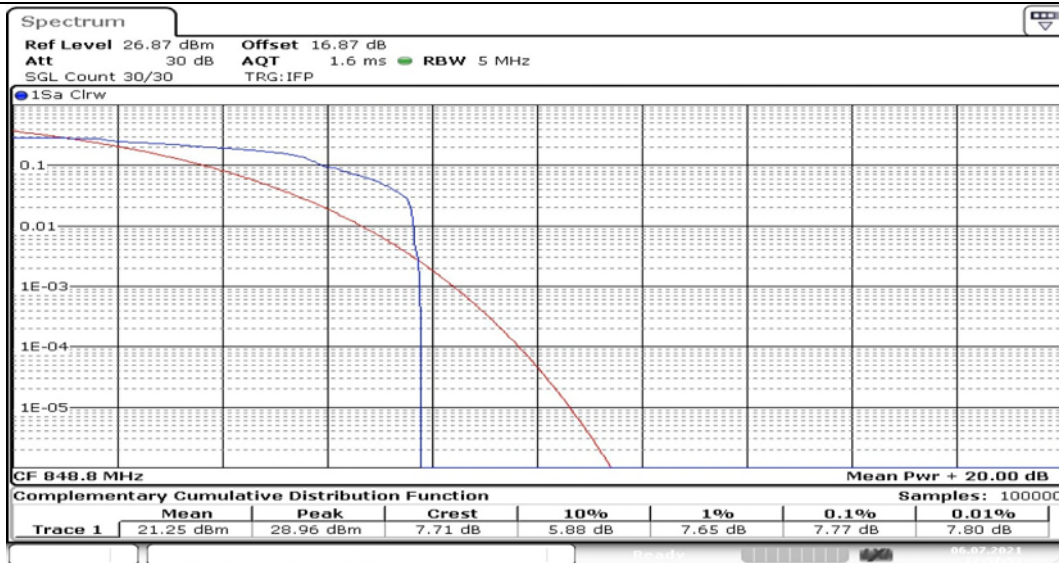
Date: 6.JUL.2021 12:55:42

Channel 128



Date: 6.JUL.2021 12:56:57

Channel 189

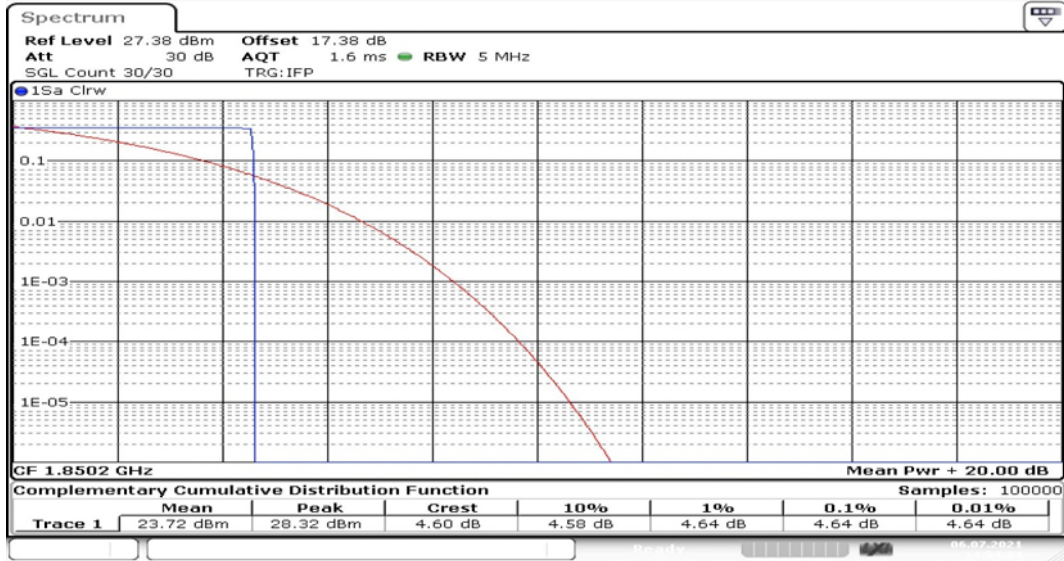


Date: 6.JUL.2021 12:57:52

Channel 251

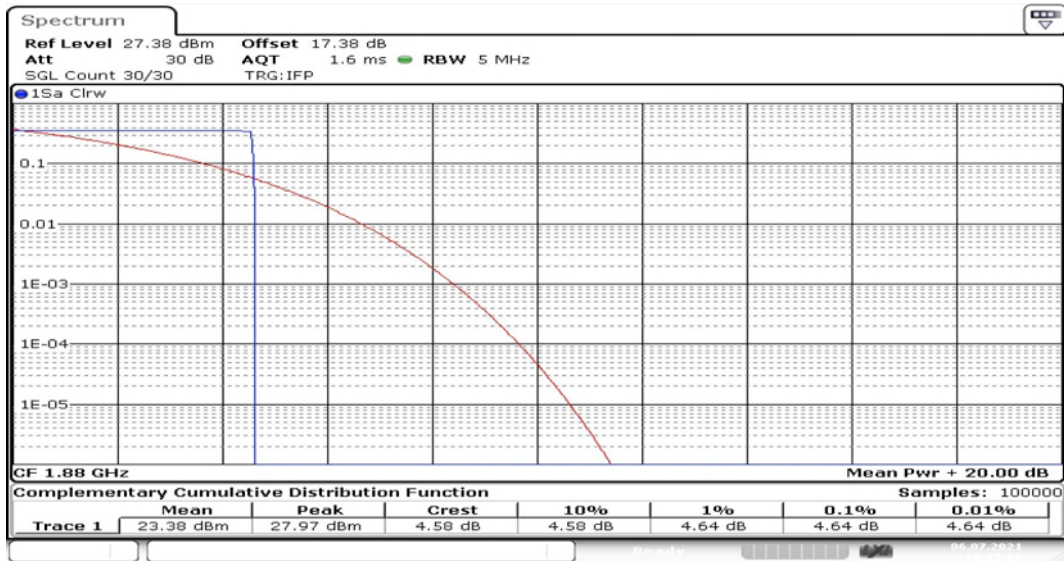
**PCS1900**

GSM MODE:



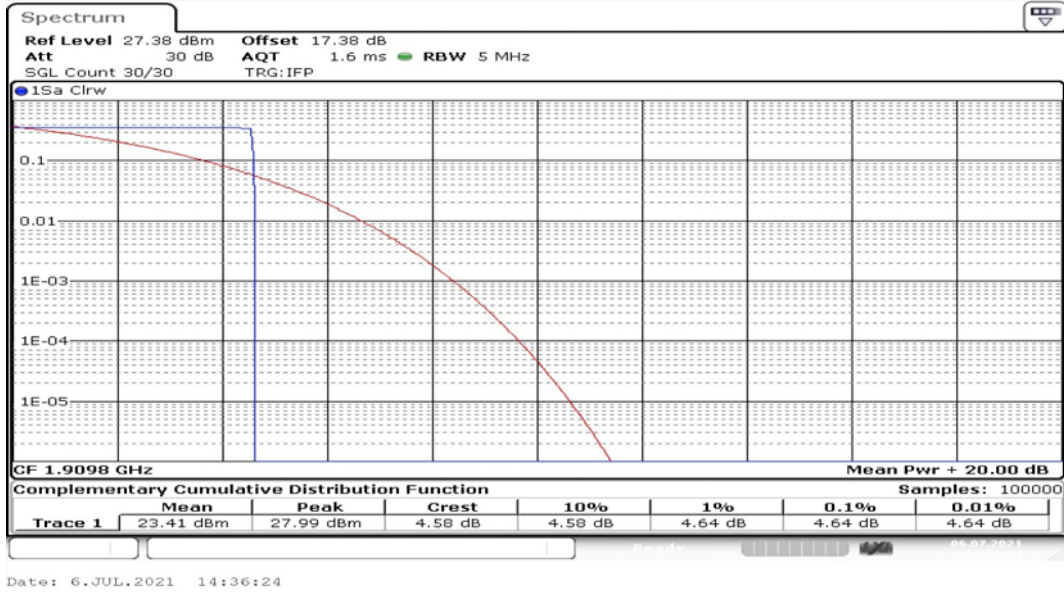
Date: 6.JUL.2021 14:34:34

Channel 512



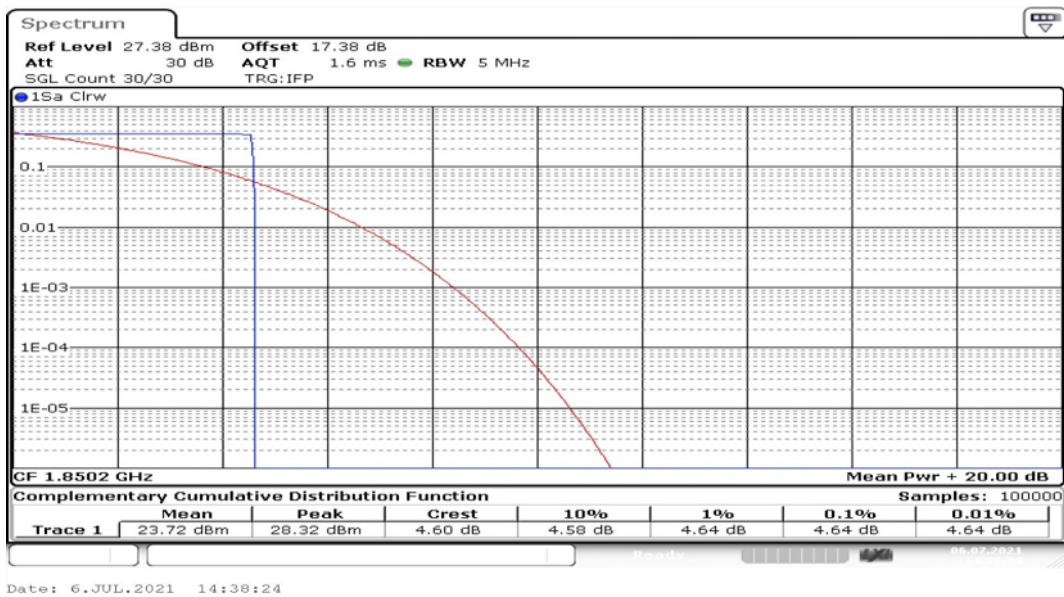
Date: 6.JUL.2021 14:35:39

Channel 661

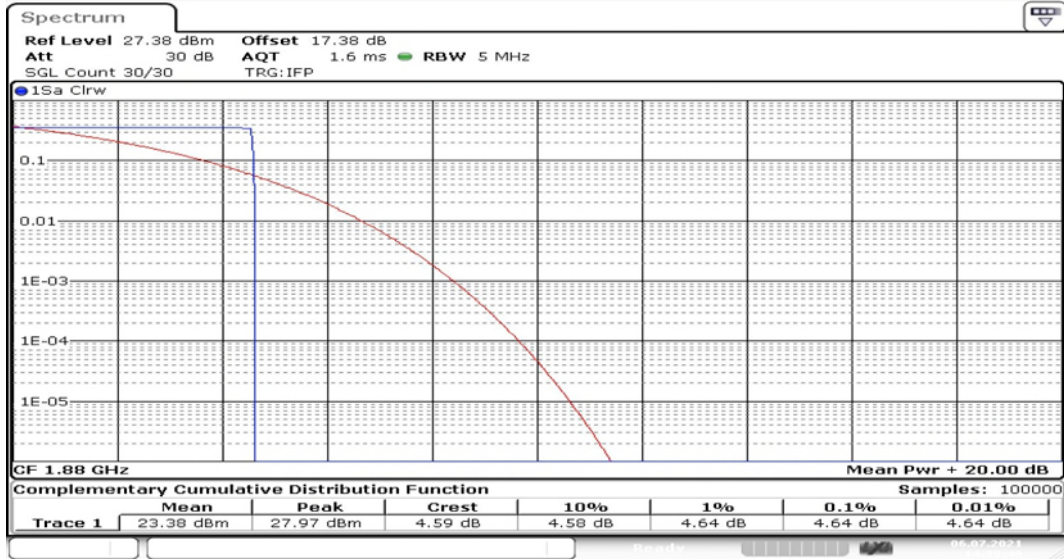


Channel 810

GPRS MODE:

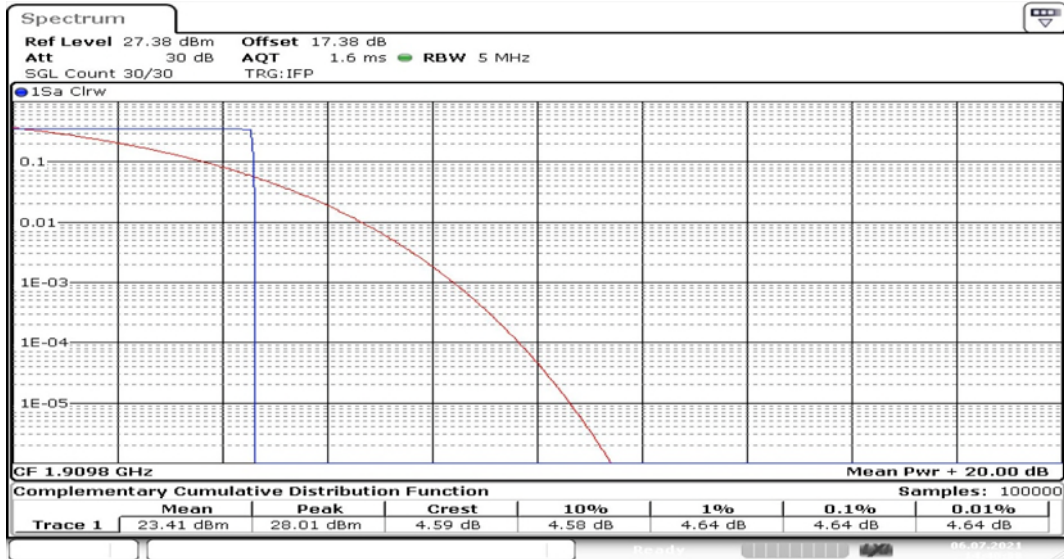


Channel 512



Date: 6.JUL.2021 14:39:40

Channel 661

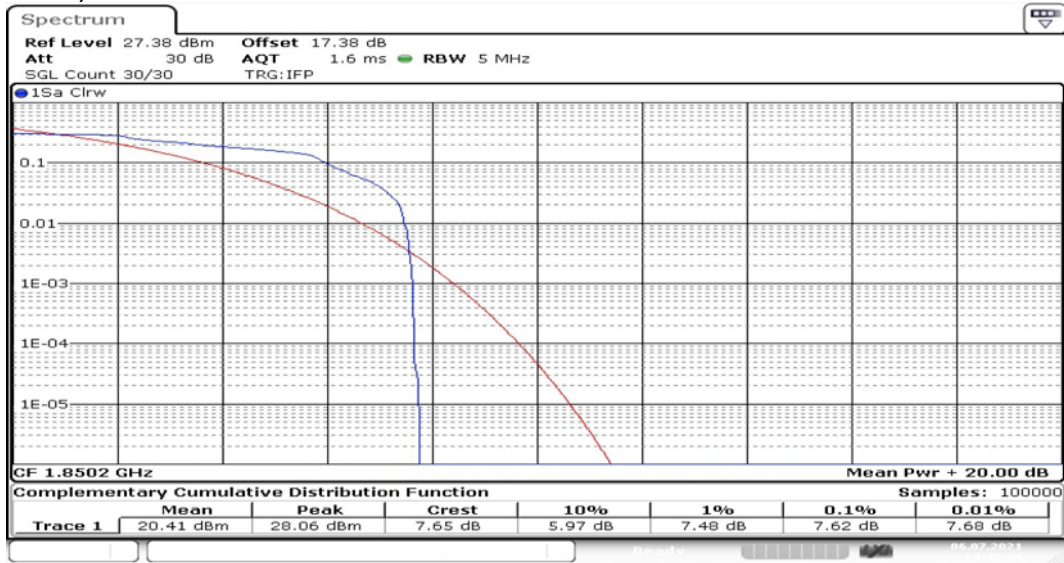


Date: 6.JUL.2021 14:40:38

Channel 810

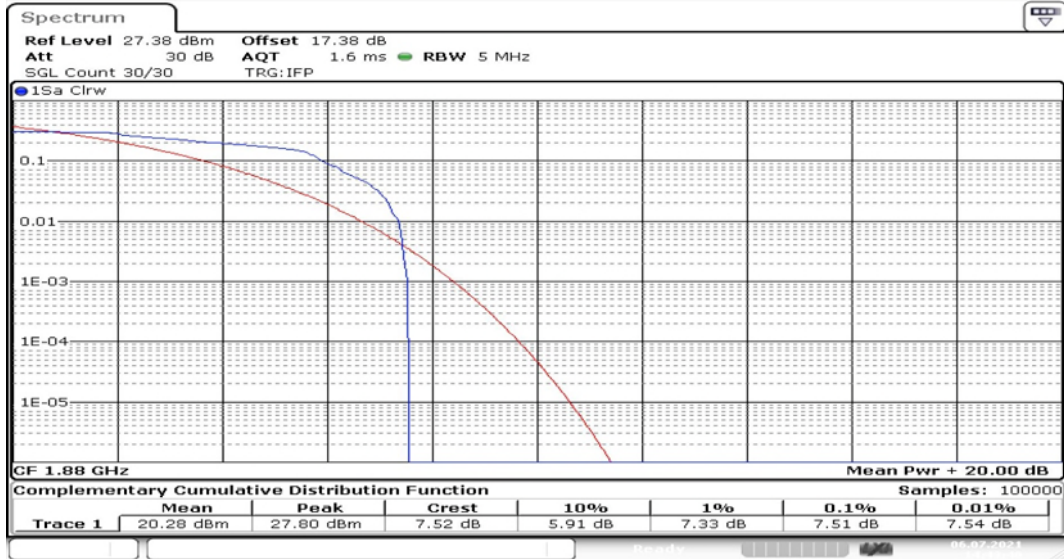


EDGE (8PSK) MODE:



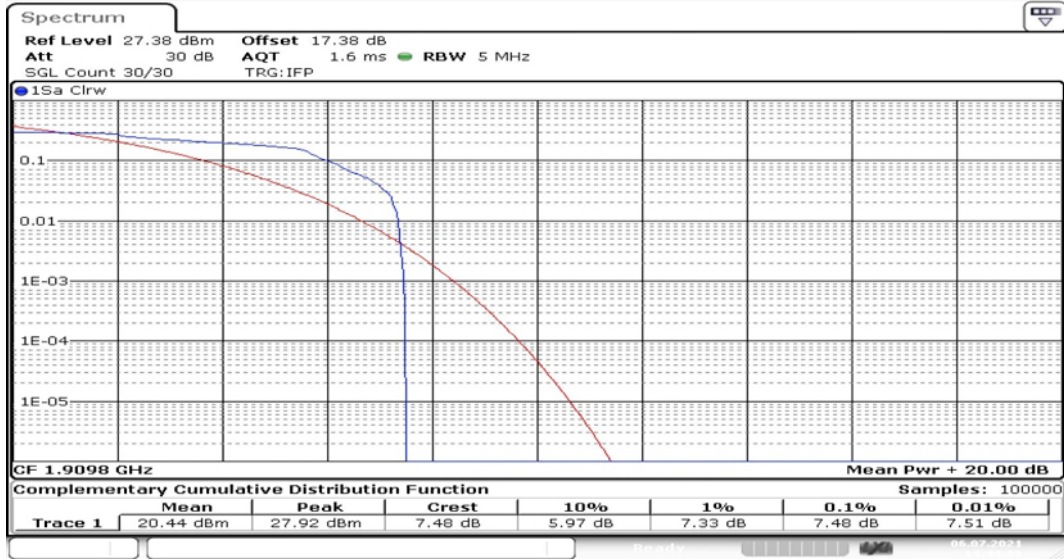
Date: 6.JUL.2021 14:42:24

Channel 512



Date: 6.JUL.2021 14:43:40

Channel 661



Date: 6.JUL.2021 14:44:37

Channel 810

## 8. Effective Radiated Power and Effective Isotropic Radiated Power

### GSM850

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	32.22	26.77	0.475
836.4	189	32.09	26.64	0.461
848.8	251	31.85	26.40	0.437

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	4Downlink1uplink	32.17	26.72	0.470
836.4	189		32.07	26.62	0.459
848.8	251		31.83	26.38	0.435
824.2	128	3Downlink2uplink	31.70	26.25	0.422
836.4	189		31.60	26.15	0.412
848.8	251		31.38	25.93	0.392
824.2	128	2Downlink3uplink	30.21	24.76	0.299
836.4	189		30.12	24.67	0.293
848.8	251		29.94	24.49	0.281
824.2	128	1Downlink4uplink	29.12	23.67	0.233
836.4	189		29.03	23.58	0.228
848.8	251		28.83	23.38	0.218

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
824.2	128	8PSK 4Downlink1uplink	27.06	21.61	0.145
836.4	189		27.08	21.63	0.146
848.8	251		27.01	21.56	0.143
824.2	128	8PSK 3Downlink2uplink	25.85	20.40	0.110
836.4	189		25.84	20.39	0.109
848.8	251		25.75	20.30	0.107
824.2	128	8PSK 2Downlink3uplink	23.59	18.14	0.065
836.4	189		24.86	19.41	0.087
848.8	251		23.46	18.01	0.063
824.2	128	8PSK 1Downlink4uplink	22.43	16.98	0.050
836.4	189		22.40	16.95	0.050
848.8	251		23.46	18.01	0.063

### PCS1900

GSM Measured Power:

Carrier frequency (MHz)	Channel No.	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	29.43	27.93	0.621
1880	661	29.03	27.53	0.566
1909.8	810	29.04	27.54	0.568

GPRS Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	4Downlink1uplink	29.43	27.93	0.621
1880	661		29.02	27.52	0.565
1909.8	810		29.04	27.54	0.568
1850.2	512	3Downlink2uplink	28.81	27.31	0.538
1880	661		28.38	26.88	0.488
1909.8	810		28.39	26.89	0.489
1850.2	512	2Downlink3uplink	27.06	25.56	0.360
1880	661		26.77	25.27	0.337
1909.8	810		26.84	25.34	0.342
1850.2	512	1Downlink4uplink	25.94	24.44	0.278
1880	661		25.68	24.18	0.262
1909.8	810		25.86	24.36	0.273

EGPRS (8PSK) Measured Power:

Carrier frequency (MHz)	Channel No.	TX Moce	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
1850.2	512	8PSK 4Downlink1uplink	26.24	24.74	0.298
1880	661		25.99	24.49	0.281
1909.8	810		26.05	24.55	0.285
1850.2	512	8PSK 3Downlink2uplink	25.05	23.55	0.226
1880	661		25.77	24.27	0.267
1909.8	810		24.88	23.38	0.218
1850.2	512	8PSK 2Downlink3uplink	22.94	21.44	0.139
1880	661		22.73	21.23	0.133
1909.8	810		22.83	21.33	0.136
1850.2	512	8PSK 1Downlink4uplink	22.00	20.50	0.112
1880	661		21.60	20.10	0.102
1909.8	810		21.67	20.17	0.104

## **APPENDIX B – TEST DATA OF RADIATED EMISSION**

### **Radiated Spurious Emissions**

#### **850 Test result:**

Test result:

GSM/GPRS MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.96	-53.34	-13	Vertical
1666.87	-51.44	-13	Vertical
2535.94	-44.43	-13	Vertical
2576.59	-44.16	-13	Vertical
8964.30	-39.11	-13	Vertical
9970.65	-36.29	-13	Vertical

EDGE (8PSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.15	-53.49	-13	Vertical
1668.61	-50.82	-13	Vertical
2534.21	-44.75	-13	Vertical
2578.11	-44.48	-13	Vertical
8963.69	-39.59	-13	Vertical
9971.27	-36.43	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.36	-53.14	-13	Vertical
1665.74	-51.61	-13	Vertical
2535.96	-43.94	-13	Vertical
2576.72	-44.48	-13	Vertical
8962.73	-39.29	-13	Vertical
9971.13	-36.57	-13	Vertical

EDGE (8PSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.71	-52.84	-13	Vertical
1666.52	-50.78	-13	Vertical
2534.90	-44.69	-13	Vertical
2577.83	-43.73	-13	Vertical
8964.11	-39.27	-13	Vertical
9971.43	-36.31	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.97	-53.31	-13	Vertical
1668.39	-51.12	-13	Vertical
2533.31	-44.34	-13	Vertical
2578.48	-44.42	-13	Vertical
8963.00	-39.35	-13	Vertical
9972.62	-36.38	-13	Vertical

EDGE (8PSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.95	-53.30	-13	Vertical
1668.62	-51.44	-13	Vertical
2534.63	-44.51	-13	Vertical
2575.42	-44.16	-13	Vertical
8961.27	-39.15	-13	Vertical
9973.43	-36.63	-13	Vertical

**1900:** Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.30	-48.96	-13	Vertical
2780.11	-47.28	-13	Vertical
3724.85	-41.31	-13	Vertical
6678.27	-39.48	-13	Vertical
9962.66	-37.10	-13	Vertical
17821.31	-34.32	-13	Vertical

EDGE (8PSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.95	-48.94	-13	Vertical
2779.52	-47.17	-13	Vertical
3728.07	-41.21	-13	Vertical
6677.40	-39.69	-13	Vertical
9960.67	-37.34	-13	Vertical
17819.38	-34.33	-13	Vertical

**GSM/GPRS MODE Channel 661:**

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.04	-49.09	-13	Vertical
2781.86	-47.51	-13	Vertical
3727.80	-40.69	-13	Vertical
6675.91	-39.71	-13	Vertical
9960.25	-36.83	-13	Vertical
17820.72	-33.93	-13	Vertical

**EDGE (8PSK) MODE Channel 661:**

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.01	-48.56	-13	Vertical
2779.96	-47.27	-13	Vertical
3727.07	-41.32	-13	Vertical
6678.54	-39.17	-13	Vertical
9961.91	-37.45	-13	Vertical
17819.68	-33.99	-13	Vertical

**GSM/GPRS MODE Channel 810:**

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.64	-49.13	-13	Vertical
2781.40	-47.23	-13	Vertical
3727.86	-40.88	-13	Vertical
6678.72	-39.98	-13	Vertical
9960.22	-37.30	-13	Vertical
17821.92	-34.29	-13	Vertical

**EDGE (8PSK) MODE Channel 810:**

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.15	-48.68	-13	Vertical
2780.22	-47.70	-13	Vertical
3724.47	-40.67	-13	Vertical
6676.75	-39.24	-13	Vertical
9962.13	-37.05	-13	Vertical
17820.91	-34.34	-13	Vertical

---End of Test Report---