Communication Systems Available for Calibration

Schmid & Partner Engineering AG

July 7, 2023

UID	Rev	Name	Group	PAR	MIF
0	-	CW	CW	0.00	−99.00
10010	CAB	SAR Validation (Square, 100ms, 10ms)	Test	10.00	1.67
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	−27.23
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	−5.90
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	−3.16
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	3.63
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	3.80
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	1.15
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	3.75
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	1.23
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	−0.67
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	−2.05
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	−0.52
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	1.02
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	−2.66
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	−3.98
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	0.90
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	−2.69
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	−3.99
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	0.89
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	−2.68
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	−3.99
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	−19.77
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	0.86
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	−99.00
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	7.03
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	4.66
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	3.10
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	−1.82
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	−5.17
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	−3.37
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	−2.02
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	−5.82
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	−5.14
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	−4.67
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	−4.00
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	−3.55
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	−3.20
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	−3.16
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	−3.15
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	−2.40
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	−1.88
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	−1.22
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	−0.80
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	−0.29
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	0.02
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	0.12
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	−19.71
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	−2.91
10084	DAC	FSE MRI sequence (pi Sinc, 1ms, 0.25 ms)	MRI	9.48	−99.00
10089	CAC	MRI (Square, 1ms, 0.4ms)	MRI	3.98	−99.00
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	1.81
10091	CAC	MITS (2pi Sinc, 1ms, 0.4ms)	MRI	10.22	−99.00
10093	CAC	MRI (Square, 10ms, 0.4ms)	MRI	13.98	−99.00
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	−20.75
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	−20.75
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	1.88
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	−23.48
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	−17.86
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	−17.05
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	−1.64
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	−1.66
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	−1.67
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	−21.57
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	−16.87

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10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	−23.39
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	−16.35
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	−16.34
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	−15.98
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	−17.24
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	−17.11
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	−17.09
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	−17.16
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	−17.09
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	−17.00
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	−19.37
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	−19.44
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	−22.36
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	−14.75
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	−15.02
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	−17.39
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	−13.60
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	−13.90
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	−16.87
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	−16.33
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	−1.64
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	−1.66
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	−1.66
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	−23.42
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	−16.36
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	−21.71
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	−15.78
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	−15.99
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	−14.49
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	−17.95
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	−17.54
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	−17.63
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	−18.10
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	−12.15
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	−12.10
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	−15.63
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	−9.76
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	−9.93
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	−1.62
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	−1.44
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	−1.54
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	−15.63
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	−9.76
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	−15.63
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	−9.76
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	−9.93
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	−9.93
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	−15.63
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	−9.76
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	−9.93
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	−15.62
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	−9.76
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	−9.93
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	−15.62
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	−9.76
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	−9.93
10190	CAC	MRI (Square, 100ms, 5ms)	MRI	13.01	−99.00
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	−15.80
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	−16.17
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	−15.73
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	−16.16
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	−16.43
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	−15.98
10199	DAC	MRI (Square, 5ms, 2.5ms)	MRI	3.01	−99.00
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	−15.94
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	−16.33
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	−16.16
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	−17.00
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	−17.20
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	−17.01
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	−20.39
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	−1.44
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	−1.54
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	−1.62
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	−1.44
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	−1.54
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	−1.62
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	−1.44
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	−1.54
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	−1.62
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	−1.44
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	−1.54
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	−1.62

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10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	−1.44
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	−1.54
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	−1.62
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	−1.58
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	−1.57
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	−1.65
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	−1.65
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	−1.68
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	−1.65
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	−1.67
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	−1.66
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	−1.64
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	−1.65
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	−1.67
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	−1.64
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	−1.67
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	−1.67
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	−1.64
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	−1.65
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	−1.64
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	−1.65
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	−1.65
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	−1.65
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	−1.64
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	−1.65
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	−1.67
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	−1.65
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	−1.66
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	−1.66
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	−1.64
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	−1.67
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	−1.69
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	−1.65
10272	CAC	MRI (Square, 20ms, 1.0ms)	MRI	13.01	−99.00
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	−24.48
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	−26.26
10277	CAA	PHS (QPSK)	PHS	11.81	3.54
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	3.36
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	3.25
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	−19.47
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	−19.70
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	−19.75
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	−19.43
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	3.26
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	−21.56
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	−20.24
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	−14.38
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	−13.14
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	−1.38
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	−0.84
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	−0.53
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	−1.39
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	1.74
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	0.91
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	0.89
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	0.91
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	0.90
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	0.89
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	−20.11
10313	AAA	iDEN 1:3	iDEN	10.51	1.15
10314	AAA	iDEN 1:6	iDEN	13.48	4.03
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	−6.80
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	−9.82
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	−9.82
10400	AAF	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	−17.01
10401	AAF	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	−15.53
10402	AAF	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	−28.95
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	−17.67
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	−18.50
10405	AAC	MRI (Square, 1ms, 0.5ms)	MRI	3.01	−0.87
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	−16.62
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	−3.41
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	−17.55
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	−18.74
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	−18.74
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	−17.11
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	−18.31
10421	AAC	FSE MRI sequence (pi Sinc, 10ms, 2.5 ms)	MRI	9.48	1.87
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	−14.20
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	−13.60
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	−13.84
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	−13.52
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	−13.71

UID	Rev	Name	Group	PAR	MIF
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	−13.44
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	−16.24
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	−17.66
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	−19.05
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	−19.83
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	−16.44
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	−13.47
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	−14.92
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	−16.22
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	−17.72
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	−12.93
10452	AAC	MRI (Square, 5ms, 1ms)	MRI	6.99	1.54
10453	AAE	Validation (Square, 10ms, 1ms)	Test	10.00	3.94
10454	AAC	MRI (Square, 10ms, 3ms)	MRI	5.23	−1.39
10455	AAC	MRI (Square, 50ms, 10ms)	MRI	6.99	−1.16
10456*	AAD	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	−14.83
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	−21.09
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	−18.92
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	−19.19
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	−25.43
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	−3.17
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	−3.31
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	−3.18
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	−3.31
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	−3.18
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	−3.31
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	−3.17
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	−3.31
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	−3.41
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	−3.17
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	−3.31
10476	AAC	MRI (Custom, 600us, 2.7ms)	MRI	12.10	−6.13
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	−3.17
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	−3.31
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	−3.41
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	−3.37
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	−3.31
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	−3.40
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	−3.46
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	−3.43
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	−3.40
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	−3.46
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	−3.33
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	−3.40
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	−3.43
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	−3.41
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	−3.42
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	−3.43
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	−3.43
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	−3.39
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	−3.41
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	−3.43
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	−3.43
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	−3.46
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	−3.43
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	−3.40
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	−3.43
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	−3.42
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	−3.40
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	−3.43
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	−3.41
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	−3.40
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	−3.41
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	−3.43
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	−3.42
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	−3.43
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	−3.45
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	−3.40
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	−3.42
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	−3.42
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	−12.56
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	−12.52
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	−13.24
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	−15.39
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	−16.70
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	−18.76
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	−23.13
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	−22.02

UID	Rev	Name	Group	PAR	MIF
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	−24.22
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	−29.35
10525	AAD	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	−12.23
10526	AAD	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	−13.77
10527	AAD	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	−14.89
10528	AAD	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	−15.25
10529	AAD	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	−15.25
10531	AAD	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	−18.44
10532	AAD	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	−18.59
10533	AAD	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	−20.10
10534	AAD	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	−11.92
10535	AAD	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	−13.12
10536	AAD	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	−13.53
10537	AAD	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	−13.52
10538	AAD	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	−14.39
10540	AAD	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	−15.33
10541	AAD	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	−14.92
10542	AAD	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	−14.56
10543	AAD	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	−15.76
10544	AAD	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	−13.78
10545	AAD	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	−14.73
10546	AAD	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	−15.59
10547	AAD	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	−16.92
10548	AAD	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	−18.67
10550	AAD	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.39	−19.70
10551	AAD	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	−19.55
10552	AAD	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	−21.54
10553	AAD	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	−23.01
10554*	AAE	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	−12.12
10555*	AAE	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	−13.15
10556*	AAE	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	−13.55
10557*	AAE	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	−13.89
10558*	AAE	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	−14.15
10560*	AAE	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	−14.69
10561*	AAE	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	−15.13
10562*	AAE	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	−15.04
10563*	AAE	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	−15.40
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	−15.41
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	−16.70
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	−18.78
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	−23.09
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	−22.04
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	−24.25
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	−29.31
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	−5.62
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	−5.53
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	−5.73
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	−6.42
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	−6.10
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	−6.64
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	−7.19
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	−8.19
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	−9.30
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	−11.10
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	−12.77
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	−13.22
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	−6.10
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	−6.64
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	−7.19
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	−8.19
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	−9.30
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	−11.10
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	−12.77
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	−13.22
10591	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	−5.59
10592	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	−5.61
10593	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	−5.84
10594	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	−6.17
10595	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	−6.72
10596	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	−7.25
10597	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	−7.54
10598	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	−7.86
10599	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	−5.59
10600	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	−6.06
10601	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	−6.59
10602	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	−7.17
10603	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	−8.03
10604	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	−8.65
10605	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	−9.23
10606	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	−9.43
10607	AAD	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	−5.60
10608	AAD	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	−5.62
10609	AAD	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	−5.85

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10610	AAD	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	−6.15
10611	AAD	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	−6.70
10612	AAD	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	−7.25
10613	AAD	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	−7.58
10614	AAD	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	−7.91
10615	AAD	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	−8.41
10616	AAD	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	−5.57
10617	AAD	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	−5.59
10618	AAD	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	−5.78
10619	AAD	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	−6.02
10620	AAD	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	−6.57
10621	AAD	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	−6.92
10622	AAD	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	−7.33
10623	AAD	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	−7.44
10624	AAD	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	−7.73
10625	AAD	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	−8.15
10626	AAD	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	−5.64
10627	AAD	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	−6.22
10628	AAD	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	−6.84
10629	AAD	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	−7.44
10630	AAD	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	−8.48
10631	AAD	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	−9.17
10632	AAD	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	−9.64
10633	AAD	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	−9.97
10634	AAD	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	−10.92
10635	AAD	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	−11.43
10636*	AAE	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	−5.56
10637*	AAE	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	−5.61
10638*	AAE	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	−5.84
10639*	AAE	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	−6.13
10640*	AAE	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	−6.67
10641*	AAE	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	−7.18
10642*	AAE	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	−7.38
10643*	AAE	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	−7.65
10644*	AAE	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	−7.99
10645*	AAE	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	−8.26
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	1.50
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	1.50
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	−19.86
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	−5.16
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	−5.10
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	−5.07
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	−5.05
10656	AAB	27.12MHz Sinewave, 4.2% Duty Cycle	MRI	16.77	2.54
10657	AAA	Pulse, 42us on, 1ms period	MRI	13.77	3.05
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	4.05
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	1.53
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	−1.62
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	−3.39
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	−4.50
10663	AAA	MITS (2pi Sinc, 2ms, 2ms)	MRI	6.24	0.62
10664	AAA	MITS (2pi Sinc, 2.4ms, 2.4ms)	MRI	6.24	0.46
10665	AAA	MITS (2pi Sinc, 2.6ms, 2.6ms)	MRI	6.24	0.37
10666	AAA	MITS (2pi Sinc, 2ms, 4370ms)	MRI	26.02	11.61
10667	AAA	MITS (2pi Sinc, 2ms, 600ms)	MRI	24.11	20.22
10668	AAA	MITS (2pi Sinc, 2ms, 150ms)	MRI	24.67	16.70
10669	AAA	MITS (8pi Sinc, 0.512ms, 4.2ms)	MRI	21.11	6.78
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	−1.94
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	−5.58
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	−5.66
10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	−5.81
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	−5.96
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	−5.78
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	−5.82
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	−5.69
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	−5.65
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	−5.71
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	−5.73
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	−5.69
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	−5.72
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	−20.98
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	−20.26
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	−20.96
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	−18.54
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	−20.41
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	−19.53
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	−18.10
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	−18.81
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	−17.97
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	−19.92
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	−20.11
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	−18.23
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	−6.01

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10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	−6.77
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	−7.05
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	−7.10
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	−6.03
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	−6.46
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	−6.51
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	−6.29
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	−6.15
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	−6.15
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	−6.16
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	−6.18
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	−20.01
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	−18.61
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	−18.46
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	−18.54
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	−19.40
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	−17.58
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	−19.24
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	−19.01
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	−19.04
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	−17.95
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	−18.12
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	−17.88
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	−6.04
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	−6.84
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	−7.16
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	−7.57
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	−7.09
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	−7.57
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	−7.16
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	−7.10
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	−7.09
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	−7.19
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	−7.17
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	−7.12
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	−23.60
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	−23.45
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	−25.61
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	−26.92
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	−24.09
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	−20.98
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	−24.90
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	−23.02
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	−23.68
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	−22.10
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	−22.36
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	−25.24
10743*	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	−6.60
10744*	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	−7.44
10745*	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	−7.22
10746*	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	−7.46
10747*	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	−7.22
10748*	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	−7.60
10749*	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	−7.70
10750*	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	−7.75
10751*	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	−7.93
10752*	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	−7.94
10753*	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	−7.71
10754*	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	−7.80
10755*	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	−17.91
10756*	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	−17.43
10757*	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	−17.92
10758*	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	−17.45
10759*	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	−18.04
10760*	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	−17.18
10761*	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	−17.80
10762*	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	−17.72
10763*	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	−17.00
10764*	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	−17.43
10765*	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	−17.11
10766*	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	−16.98
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	−12.18
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	−12.26
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	−12.08
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	−12.20
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	−12.22
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	−12.20
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	−12.13
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	−12.25
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	−18.51
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	−19.01
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	−19.80
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	−20.71

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10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	−20.99
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	−21.75
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	−22.40
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	−23.16
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	−18.84
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	−20.70
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	−21.52
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	−22.47
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	−22.72
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	−22.83
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	−23.29
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	−23.84
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	−14.39
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	−14.47
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	−14.33
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	−14.46
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	−14.35
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	−14.32
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	−14.32
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	−14.55
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	−14.45
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	−14.47
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	−14.43
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	−14.38
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	−19.83
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	−20.22
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	−21.62
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	−22.06
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	−24.16
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	−19.61
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	−21.28
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	−22.12
10820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	−22.76
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	−22.93
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	−23.54
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	−24.51
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	−24.80
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	−25.06
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	−25.87
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	−26.53
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	−26.60
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	−16.74
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	−16.83
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	−16.58
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	−16.65
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	−16.48
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	−16.85
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	−16.56
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	−16.85
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	−16.71
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	−16.57
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	−16.46
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	−20.86
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	−21.97
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	−22.29
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	−21.22
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	−22.79
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	−23.39
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	−23.88
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	−24.52
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	−24.92
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	−25.11
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	−25.74
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	−26.63
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	−27.49
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	−26.96
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.69
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	−20.47
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	−19.60
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	−28.74
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	−19.60
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	−25.81
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	−17.01
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	−26.14
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	−18.27
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	−27.31
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	−16.50
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	−26.23
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	−17.11
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	−25.83
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	−19.60
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	−27.79
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	−17.02

UID	Rev	Name	Group	PAR	MIF
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	−24.59
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	−17.01
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	−24.53
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	−18.54
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	−25.78
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	−16.37
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	−23.93
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	−17.02
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	−23.75
10893	AAB	MITS (3pi Sinc, 400ms, 3ms)	MRI	26.73	19.99
10894	AAA	MITS (6pi Sinc, 3.69ms, 0.8ms)	MRI	17.50	6.16
10895	AAA	MITS (3pi Sinc, 100ms, 2ms)	MRI	24.58	16.38
10896	AAA	MRI (Square, 2ms, 0.8ms)	MRI	3.98	−0.27
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	−16.67
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	−16.68
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	−16.68
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.68
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	−16.69
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	−19.09
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	−19.67
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	−20.01
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	−20.30
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	−20.40
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.39
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.15
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	−20.27
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	−20.44
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	−20.49
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	−20.29
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	−20.12
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	−20.43
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	−20.38
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.14
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	−20.26
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.39
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.45
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	−20.23
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	−20.48
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	−20.32
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	−15.06
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	−15.06
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	−15.06
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	−15.06
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	−15.06
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	−15.06
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	−15.07
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	−15.07
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	−17.91
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	−18.38
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	−18.58
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	−18.65
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	−18.65
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	−18.66
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	−18.71
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	−18.52
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	−18.38
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	−18.65
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	−18.70
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	−18.60
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	−18.50
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	−18.85
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	−18.50
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	−18.56
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	−16.10
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	−18.27
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	−20.40
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	−22.55
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	−16.37
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	−18.08
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	−20.42
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	−22.82
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	−4.24
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	−4.22
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	−4.22
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	−4.23
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	−4.24
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	−4.23
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	−4.22

UID	Rev	Name	Group	PAR	MIF
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	−4.23
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	−4.23
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	−1.65
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	−1.64
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	−3.48
10975	AAA	MRI (RT Prot sat)	MRI	14.37	6.97
10976	AAA	MRI (RT Prot no sat)	MRI	14.05	6.74
10977	AAA	MRI (pi Sinc, 20ms, 2ms)	MRI	16.24	8.47
10978	AAA	ULLA BDR	ULLA	1.16	−3.98
10979	AAA	ULLA HDR4	ULLA	8.58	0.89
10980	AAA	ULLA HDR8	ULLA	10.32	2.43
10981	AAA	ULLA HDRp4	ULLA	3.19	−5.68
10982	AAA	ULLA HDRp8	ULLA	3.43	−5.57
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	−4.23
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	−4.23
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	−4.23
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	−4.23
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	−4.23
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	−4.23
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	−4.23
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	−4.23
10991	AAA	MRI (2pi Sinc, 5.1ms, 1.5232ms)	MRI	11.49	4.25
10992	AAA	MRI (2pi Sinc, 9.1ms, 3ms)	MRI	12.77	5.27
10993	AAA	MRI (pi Sinc, 6ms, 1.5232ms)	MRI	9.41	2.51
10994	AAA	Pulse Waveform (Square, 111.11ms, 10ms)	Test	10.46	2.11
10995	AAA	Pulse Waveform (Square, 125ms, 10ms)	Test	10.97	2.57
10996	AAA	Pulse Waveform (Square, 142.86ms, 10ms)	Test	11.55	3.09
10997	AAA	Pulse Waveform (Square, 166.67ms, 10ms)	Test	12.22	3.67
10998	AAA	Pulse Waveform (Square, 200ms, 10ms)	Test	13.01	4.34
10999	AAA	Pulse Waveform (Square, 250ms, 10ms)	Test	13.98	5.13
11000	AAA	Pulse Waveform (Square, 333.33ms, 10ms)	Test	15.23	6.08
11001	AAA	Pulse Waveform (Square, 500ms, 10ms)	Test	16.99	7.27
11002	AAA	Pulse Waveform (Square, 1000ms, 10ms)	Test	20.00	8.74
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	−3.11
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	−3.53
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	−16.95
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	−17.62
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	−16.03
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	−18.79
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	−17.87
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	−17.20
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	−17.81
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	−18.51
11013	AAB	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	−31.11
11014	AAB	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	−33.11
11015	AAB	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	−30.71
11016	AAB	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	−35.06
11017	AAB	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	−34.74
11018	AAB	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	−32.59
11019	AAB	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	−32.74
11020	AAB	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	−34.15
11021	AAB	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	−34.43
11022	AAB	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.36	−35.51
11023	AAB	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)	WLAN	8.09	−43.91
11024	AAB	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	−44.27
11025	AAB	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	−38.58
11026	AAB	IEEE 802.11be (320MHz, MCS0, 99pc duty cycle)	WLAN	8.39	−28.73
11027	AAA	Pulse Waveform (Square, 20ms, 10ms)	MRI	3.01	−4.97
11028	AAA	Pulse Waveform (Square, 50ms, 40ms)	MRI	0.97	−7.17

⋆ Available only as part of SMC (Sensor Model Calibration) package

Calibration Laboratory of
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Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

Name:	**CW**
Group:	CW
UID:	0–
PAR: [1]	**0.00 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	Generic Sample (CW)
Category:	Continous Waveform
Modulation:	Not applicable
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz) CLA (9.0 - 19.0 MHz) CLA6 (4.0 - 9.0 MHz) D850 (800 - 900 MHz) D1300 (1250 - 1350 MHz) D3900 (3850 - 3950 MHz) D4200 (4150 - 4250 MHz) D4600 (4550 - 4650 MHz) D4900 (4850 - 4950 MHz) D6.5GHz (6450 - 6550 MHz) D7GHz (6950 - 7050 MHz) D8GHz (7950 - 8050 MHz) D9GHz (8950 - 9050 MHz)
Detailed Specification:	Continuous Waveform
Bandwidth:	0.0 MHz
Integration Time:	100.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).

Calibration Laboratory of
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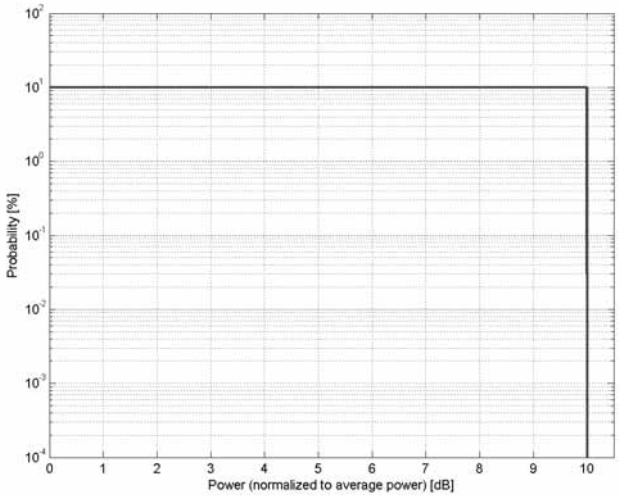
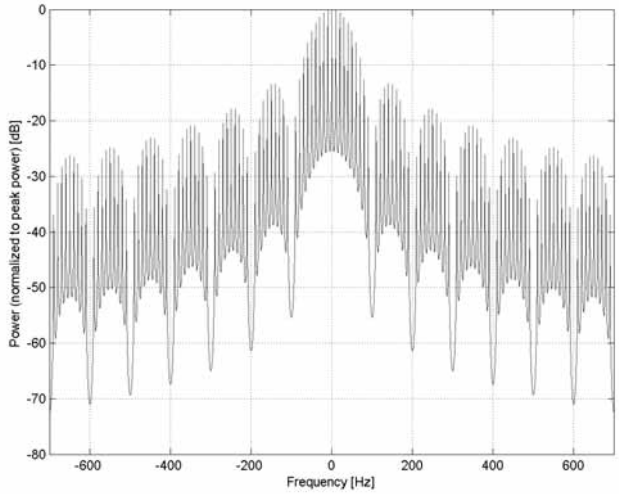
Name:	**SAR Validation (Square, 100ms, 10ms)**
Group:	Test
UID:	10010-CAB
PAR: [1]	**10.00 dB**
MIF: [2]	**1.67 dB**
Standard Reference:	IEEE 1528-2003, Chapter 8.3.6.d), IEC 62209-2, Chapter B.3.5.d
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) D300 (300.0 MHz) D400 (400.0 MHz) D450 (450.0 MHz) D600V3 (600.0 MHz) D750 (750.0 MHz) D835 (835.0 MHz) D900 (900.0 MHz) D1450 (1450.0 MHz) D1500 (1500.0 MHz) D1640 (1640.0 MHz) D1750 (1750.0 MHz) D1765 (1765.0 MHz) D1800 (1800.0 MHz) D1900 (1900.0 MHz) D1950 (1950.0 MHz) D2000 (2000.0 MHz) D2100 (2100.0 MHz) D2300 (2300.0 MHz) D2450 (2450.0 MHz) D2550V2 (2250.0 MHz) D2600 (2600.0 MHz) D3000 (3000.0 MHz) D3300V2 (3300.0 MHz) D3500 (3500.0 MHz) D3700 (3700.0 MHz) D5GHz (5000.0 - 6000.0 MHz) CD700 (700.0 MHz) CD835 (835.0 MHz) CD1880 (1880.0 MHz) CD2150 (2150.0 MHz) CD2450 (2450.0 MHz) CD2600V3 (2600.0 MHz) CD3500V3 (3500.0 MHz) CD5500V3 (5500.0 MHz) ITD700 (700.0 MHz) ITD835 (835.0 MHz) ITD1880 (1880.0 MHz) ITD2150 (2150.0 MHz) ITD2600 (2600.0 MHz) ITD3500 (3500.0 MHz) ITD5500 (5000.0 - 5900.0 MHz) CLA30 (30.0 MHz) CLA64 (64.0 MHz) CLA128 (128.0 MHz) CLA150 (150.0 MHz) CLA220 (220.0 MHz) FullSpan (0.0 - 6000.0 MHz) Validation band (0.0 - 6000.0 MHz) CLA (9.0 - 19.0 MHz) CLA6 (4.0 - 9.0 MHz) D850 (800 - 900 MHz) D1300 (1250 - 1350 MHz) D3900 (3850 - 3950 MHz) D4200 (4150 - 4250 MHz) D4600 (4550 - 4650 MHz) D4900 (4850 - 4950 MHz) D6.5GHz (6450 - 6550 MHz) D7GHz (6950 - 7050 MHz) D8GHz (7950 - 8050 MHz) D9GHz (8950 - 9050 MHz)
Detailed Specification:	pulse-modulated signal duty factor 0.1 pulse repetition 10 Hz
Bandwidth:	0.0 MHz
Integration Time:	100.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

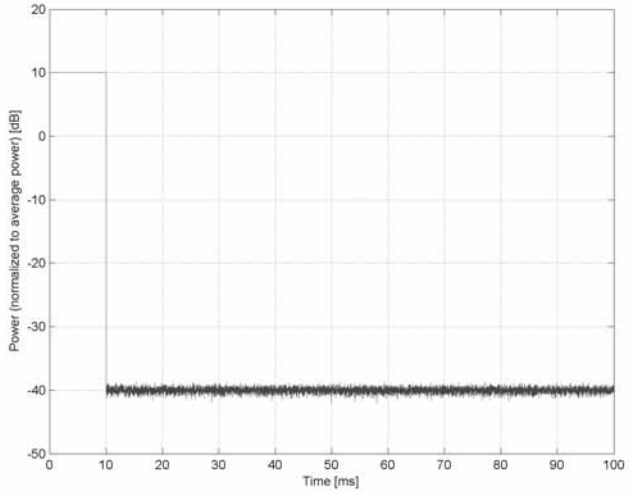
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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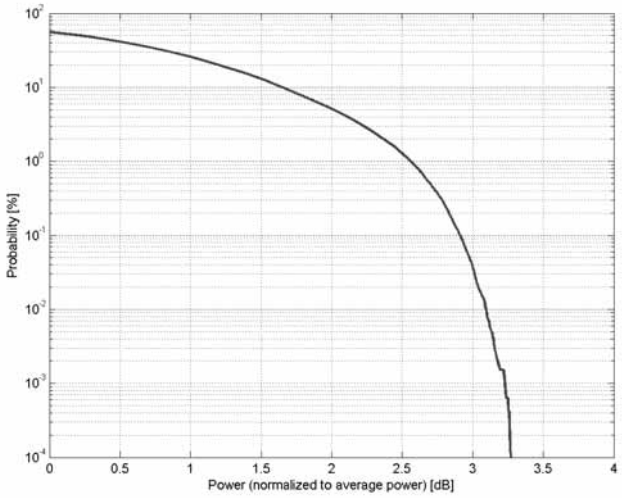
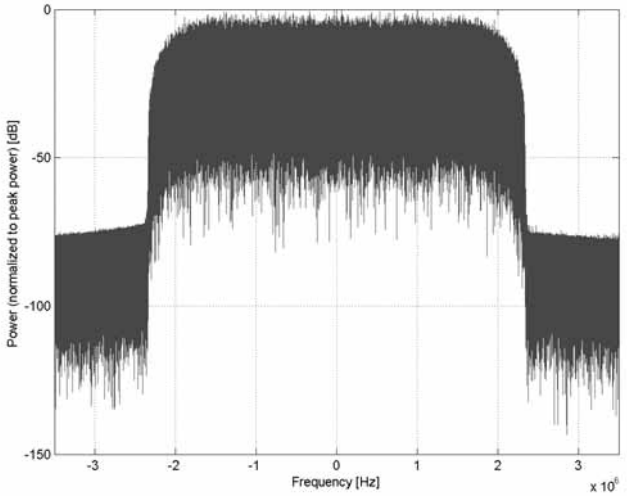
Name:	**UMTS-FDD (WCDMA)**
Group:	WCDMA
UID:	10011-CAC
PAR: [1]	**2.91 dB**
MIF: [2]	**-27.23 dB**
Standard Reference:	3GPP TS 25.141 Annex A FCC OET KDB 941225 D01 SAR test for 3G devices v02
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1452.9 MHz) Band 12 (698.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Dedicated Channel Type: RMC Bitrate: 12.2 kbps DPDCH: 60 kbps DPCCH: 15 kbps DPCCH/DPDCH power ratio: -5.46 dB
Bandwidth:	5.0 MHz
Integration Time:	100.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

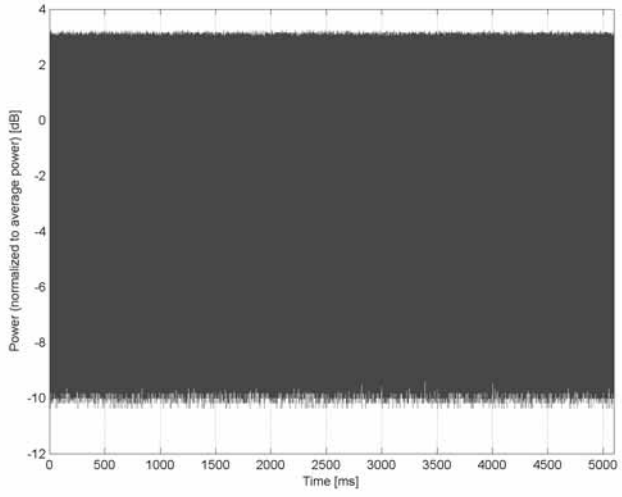
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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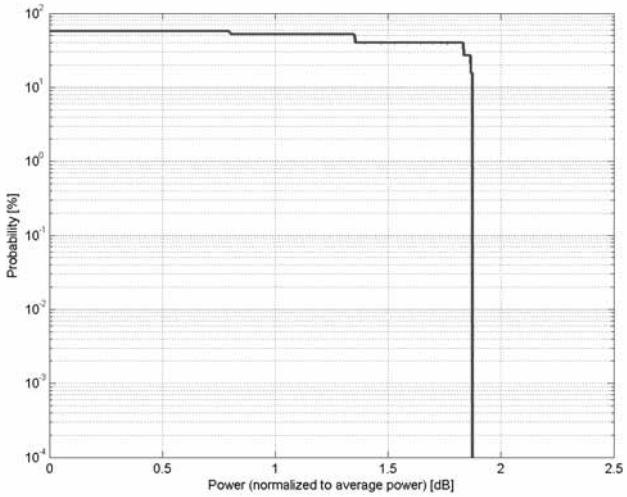
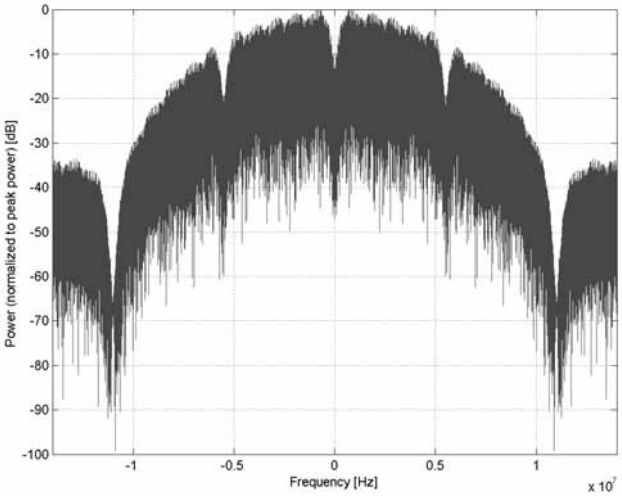
Name:	**IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)**
Group:	WLAN
UID:	10012-CAB
PAR: [1]	**1.87 dB**
MIF: [2]	**-5.90 dB**
Standard Reference:	IEEE 802.11b-1999 , Part 11, FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	DBPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 1 Mbps Spreading, Coding: DSSS, 11 Chip Barker PPDU format: Long Preamble & Heading PSDU Length: 1024 PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	9.1 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

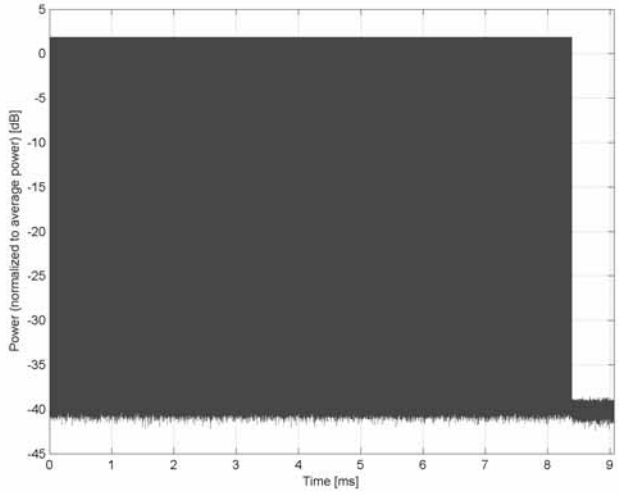
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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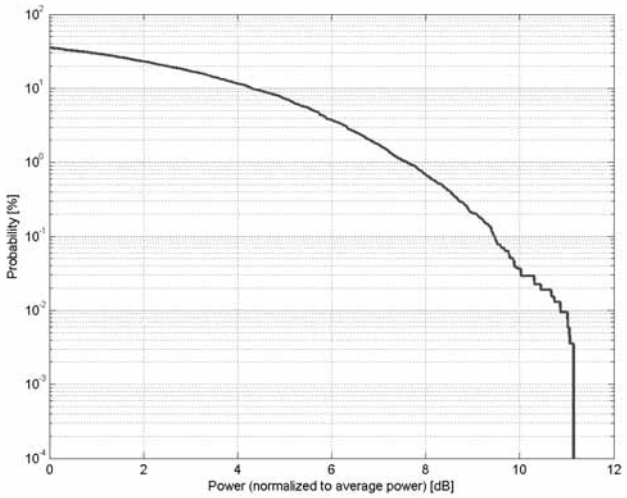
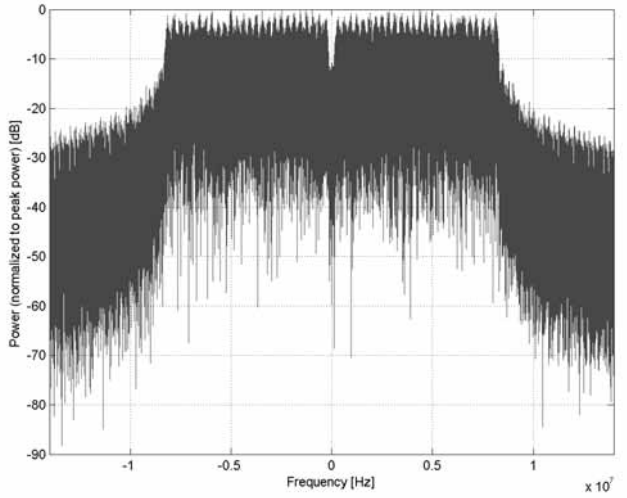
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)**
Group:	WLAN
UID:	10013-CAB
PAR: [1]	**9.46 dB**
MIF: [2]	**-3.16 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11, FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 6 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 1 Coded bits per OFDM symbol: 48 Data bits per OFDM symbol: 24 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	2.1 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

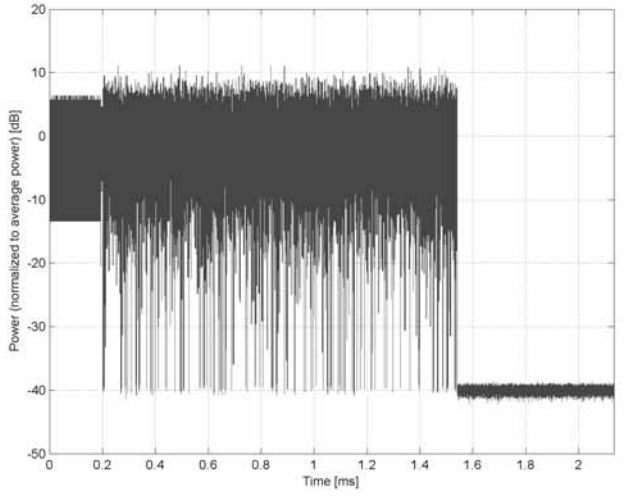
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



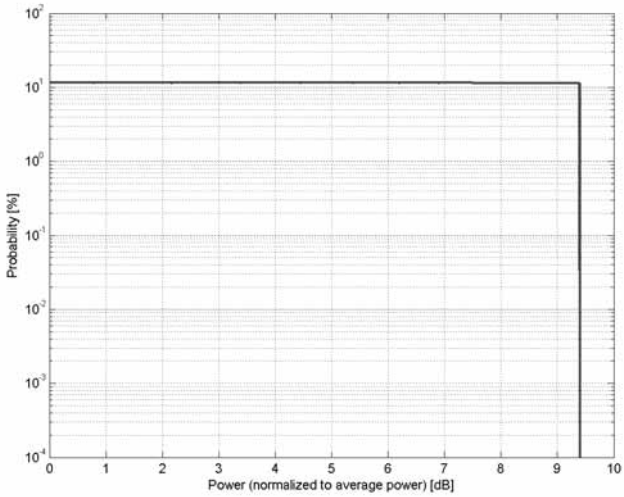
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

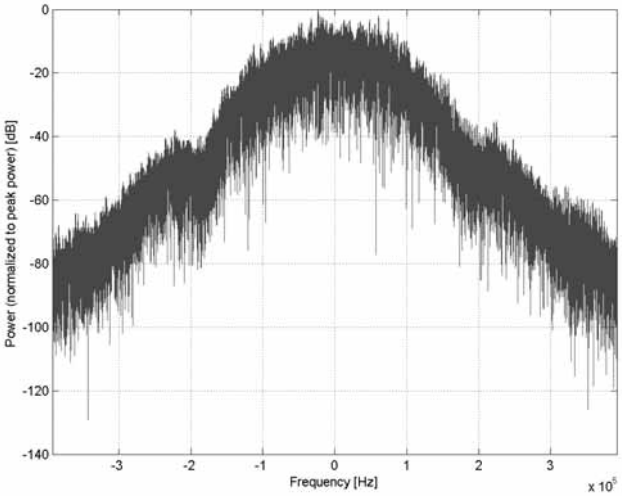
Name:	**GSM-FDD (TDMA, GMSK)**
Group:	GSM
UID:	10021-DAC
PAR: [1]	**9.39 dB**
MIF: [2]	**3.63 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slot: TN0 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	120.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

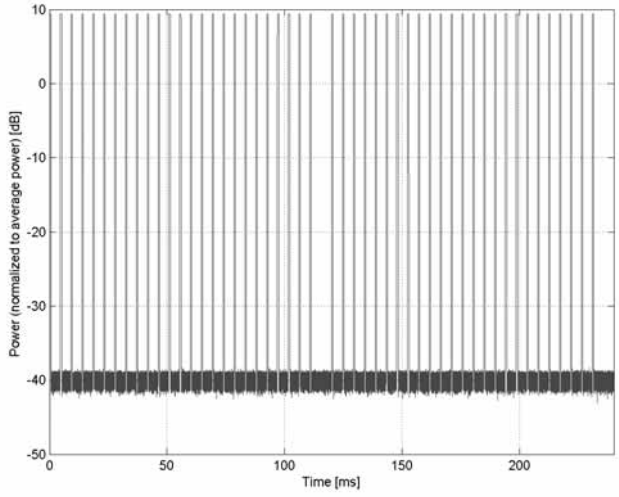
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



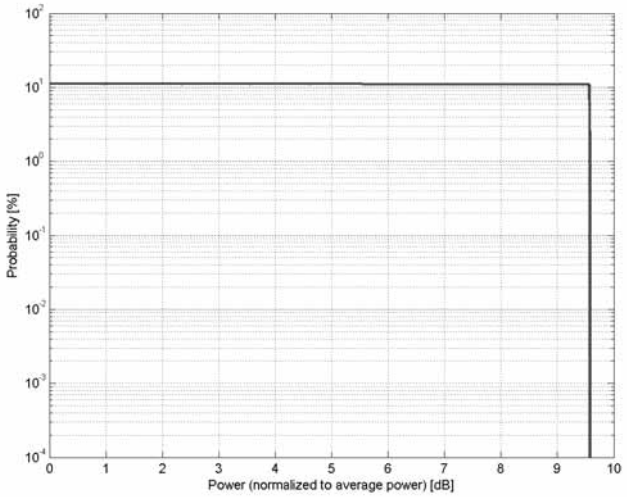
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

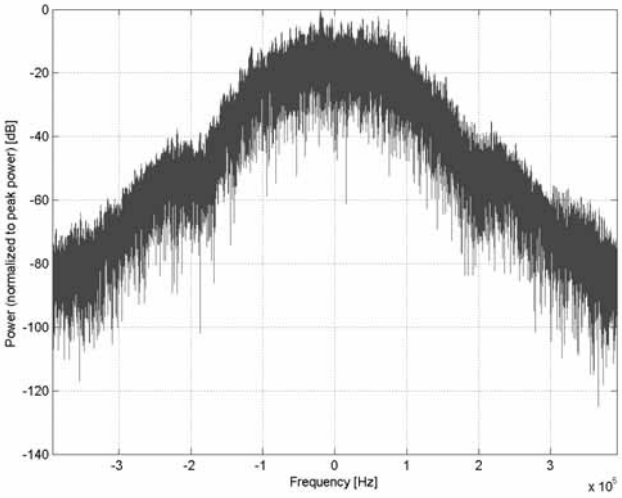
Name:	**GPRS-FDD (TDMA, GMSK, TN 0)**
Group:	GSM
UID:	10023-DAC
PAR: [1]	**9.57 dB**
MIF: [2]	**3.80 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slot: TN0 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

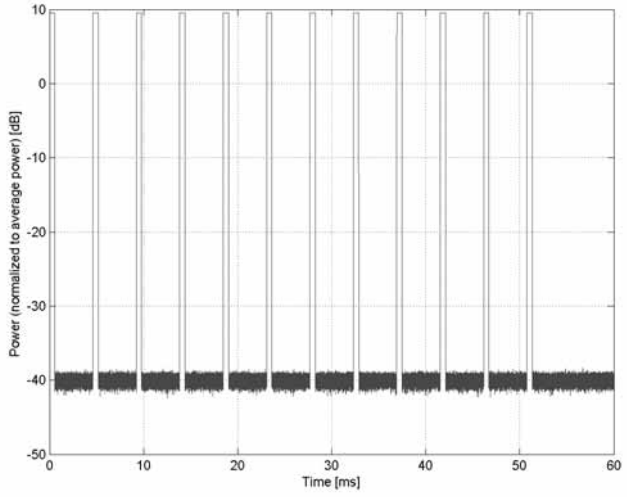
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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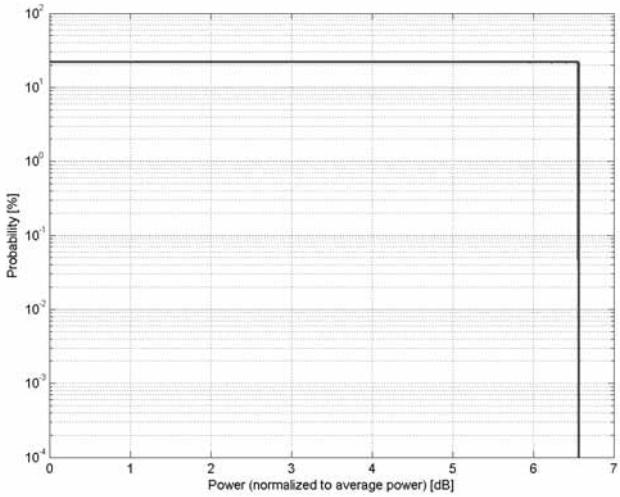
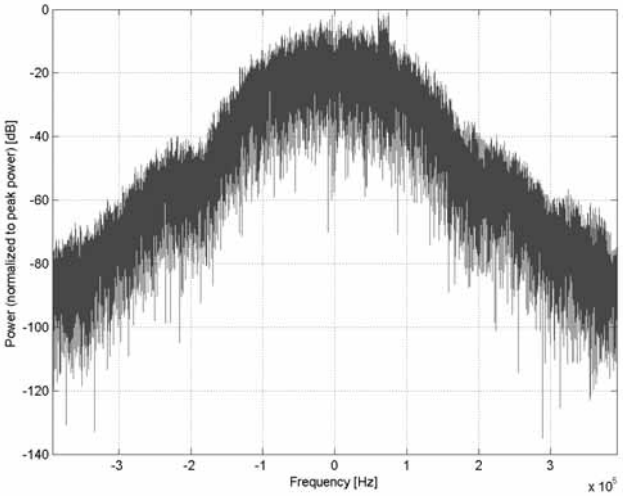
Name:	**GPRS-FDD (TDMA, GMSK, TN 0-1)**
Group:	GSM
UID:	10024-DAC
PAR: [1]	**6.56 dB**
MIF: [2]	**1.15 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN1 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

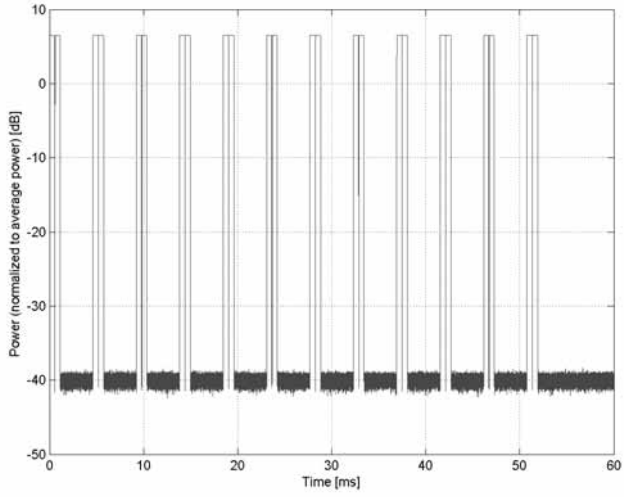
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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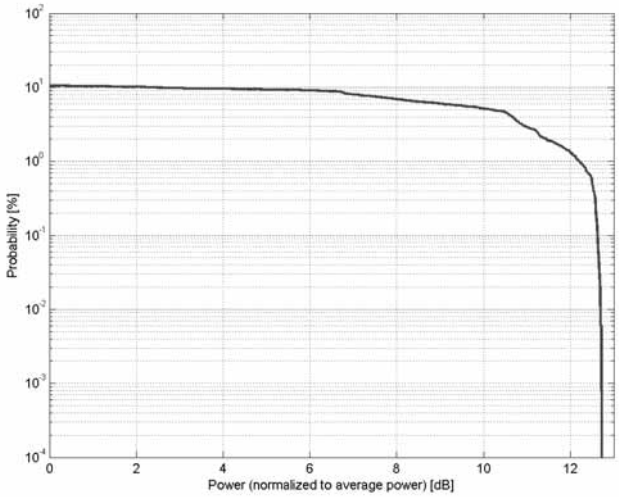
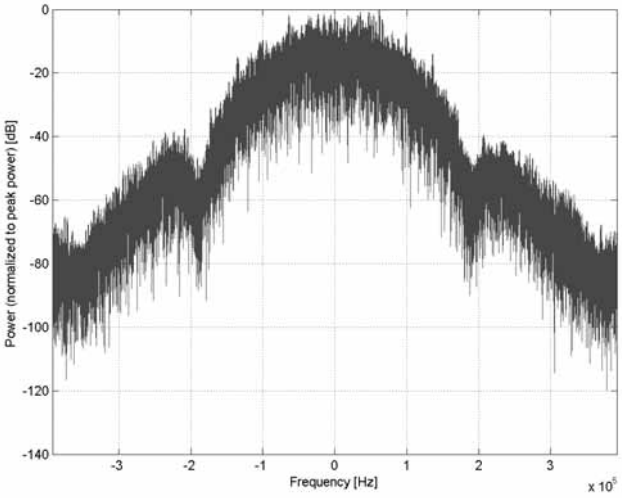
Name:	**EDGE-FDD (TDMA, 8PSK, TN 0)**
Group:	GSM
UID:	10025-DAC
PAR: [1]	**12.62 dB**
MIF: [2]	**3.75 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	8PSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slot: TN0 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for 8PSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

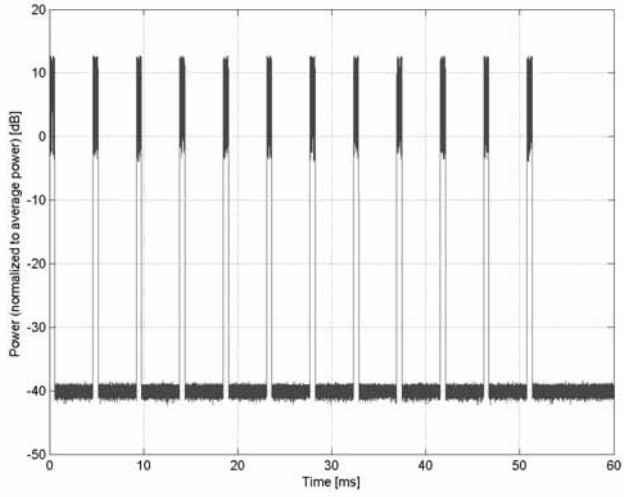
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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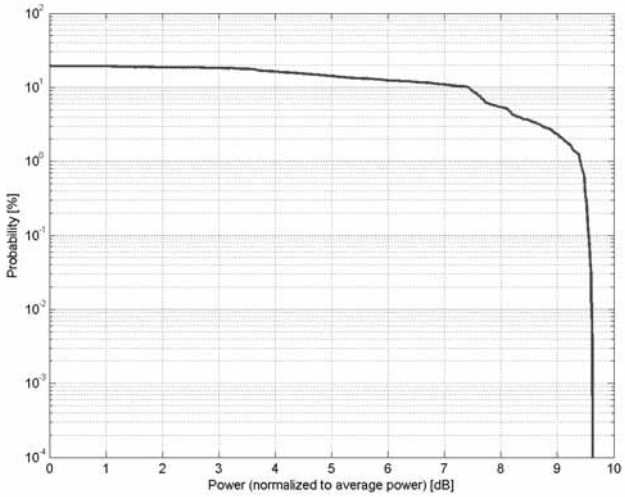
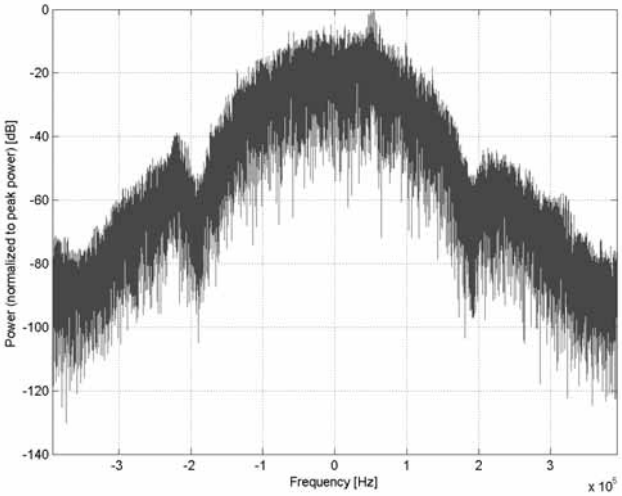
Name:	**EDGE-FDD (TDMA, 8PSK, TN 0-1)**
Group:	GSM
UID:	10026-DAC
PAR: [1]	**9.55 dB**
MIF: [2]	**1.23 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	8PSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slot:s TN0, TN1 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for 8PSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

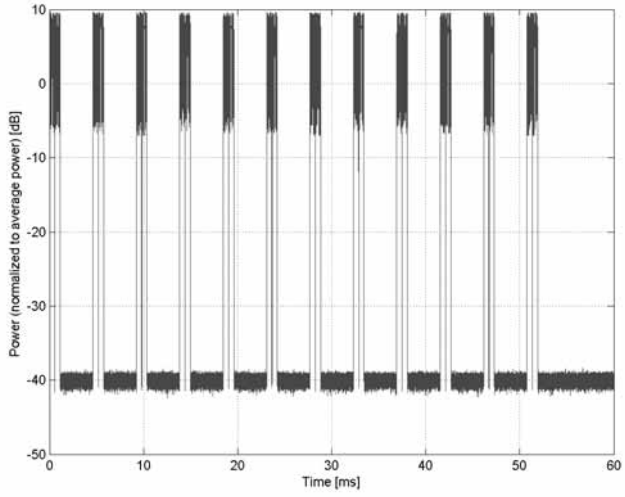
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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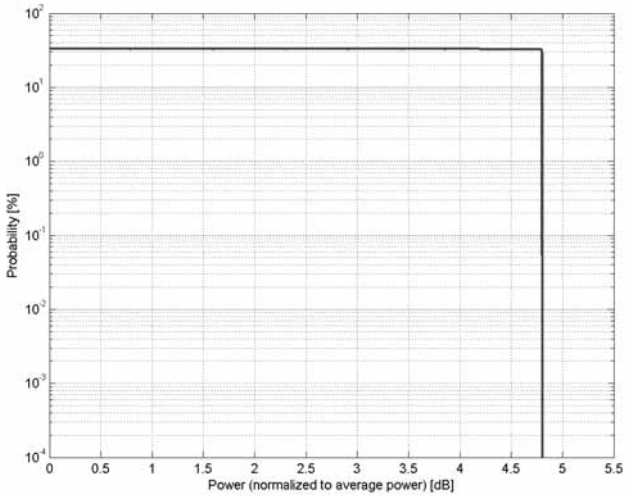
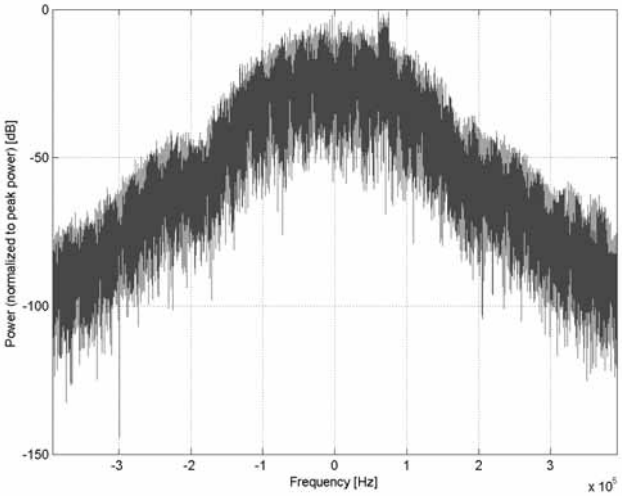
Name:	**GPRS-FDD (TDMA, GMSK, TN 0-1-2)**
Group:	GSM
UID:	10027-DAC
PAR: [1]	**4.80 dB**
MIF: [2]	**-0.67 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN1, TN2 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

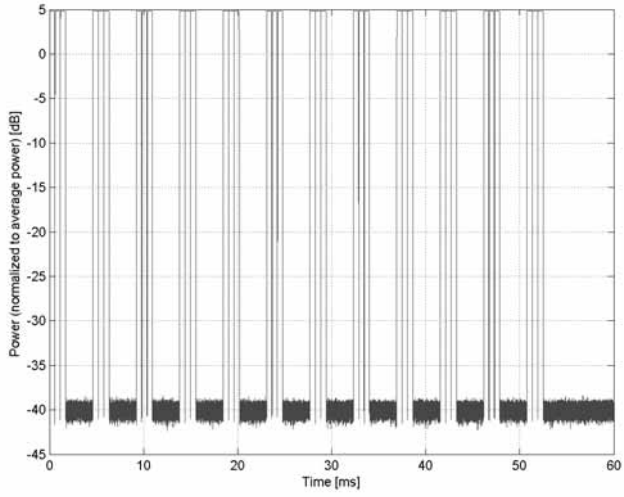
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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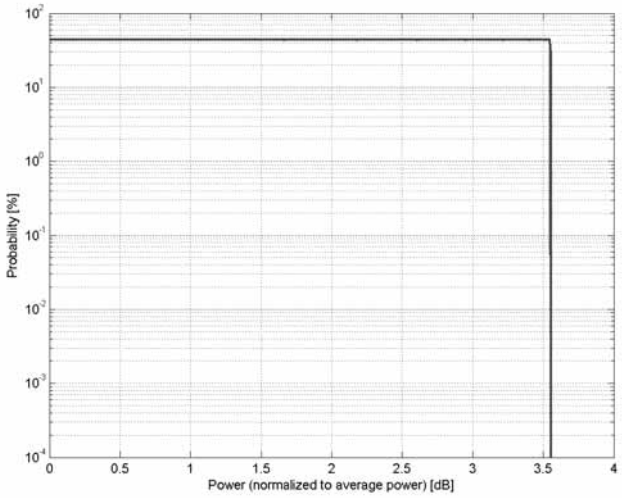
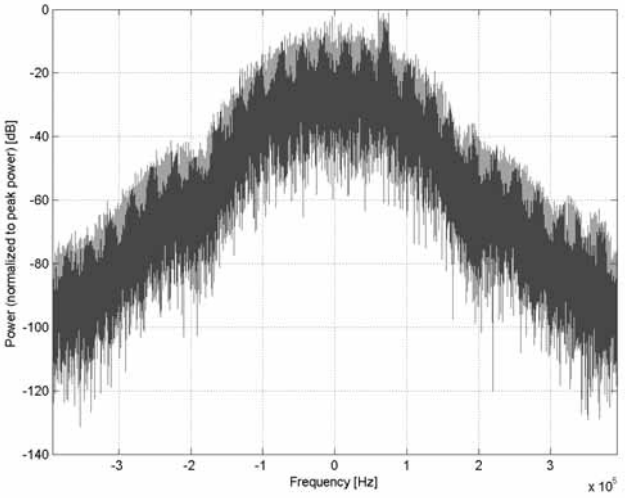
Name:	**GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)**
Group:	GSM
UID:	10028-DAC
PAR: [1]	**3.55 dB**
MIF: [2]	**-2.05 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN1, TN2, TN3 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

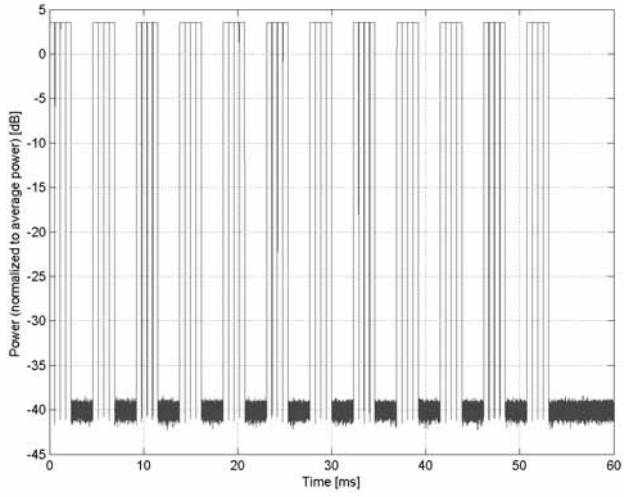
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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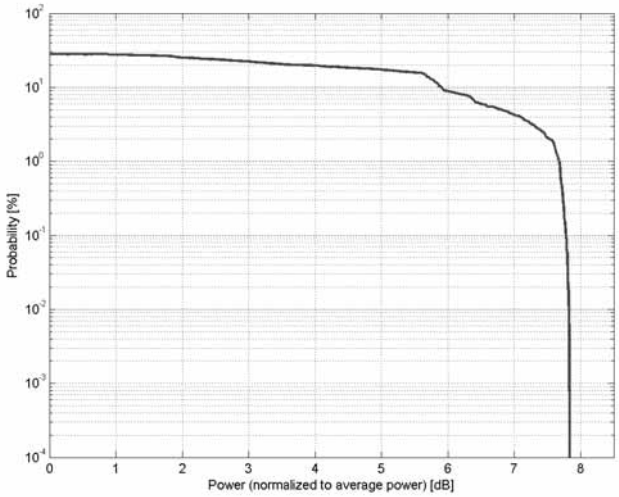
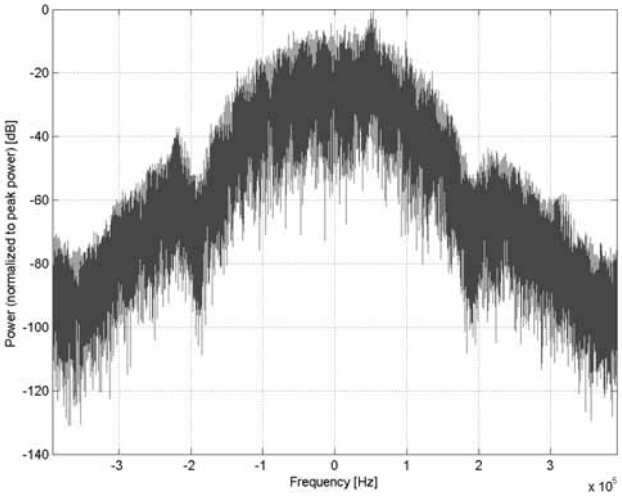
Name:	**EDGE-FDD (TDMA, 8PSK, TN 0-1-2)**
Group:	GSM
UID:	10029-DAC
PAR: [1]	**7.78 dB**
MIF: [2]	**-0.52 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	8PSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN1, TN2 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for 8PSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

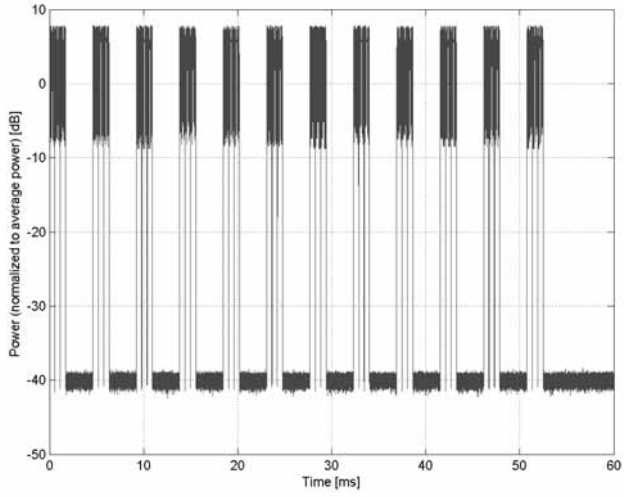
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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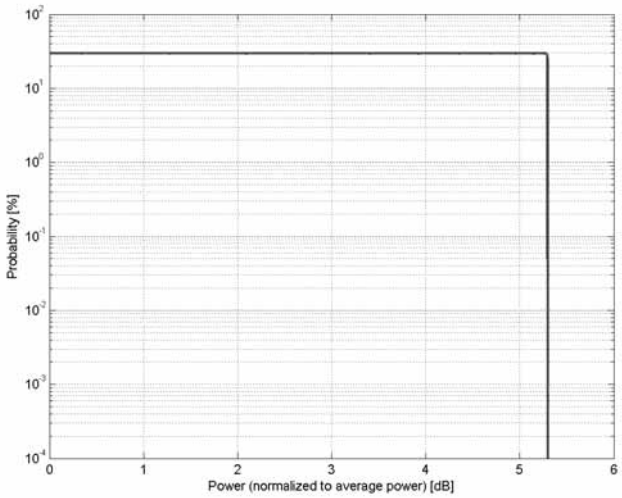
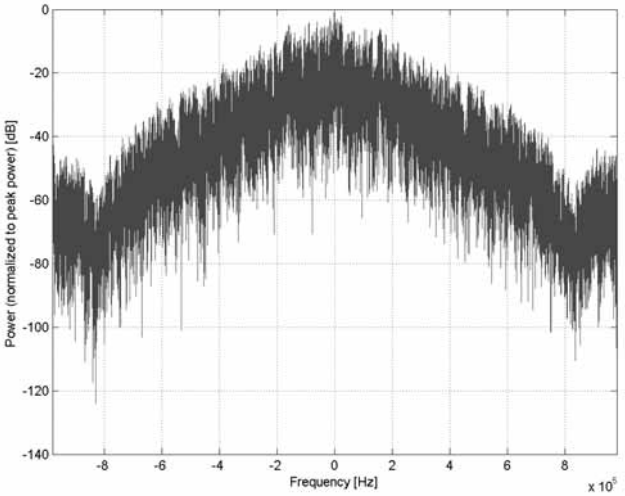
Name:	**IEEE 802.15.1 Bluetooth (GFSK, DH1)**
Group:	Bluetooth
UID:	10030-CAA
PAR: [1]	**5.30 dB**
MIF: [2]	**1.02 dB**
Standard Reference:	Bluetooth 1.2 (IEEE Standard 802.15.1-2005)
Category:	Periodic pulsed modulation
Modulation:	GFSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Basic Rate, 1 Slot active Data Rate: 1 Mbps Packet Type: DH1 Payload Body: 27 Bytes PN9 data is inserted into the payload body Modulation for Payload: GFSK Modulation Index: 0.32
Bandwidth:	1.4 MHz
Integration Time:	2.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

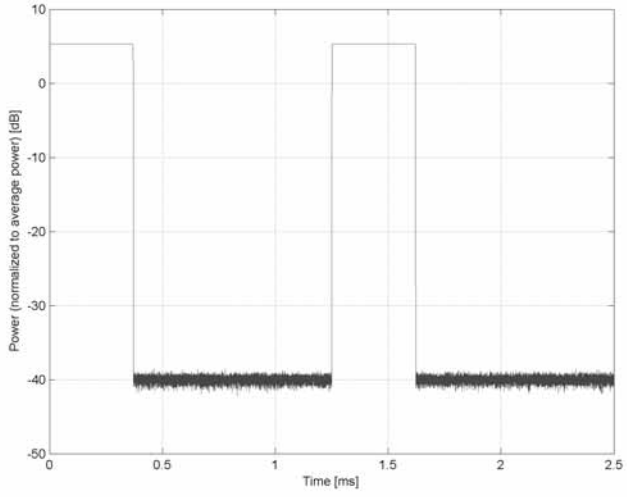
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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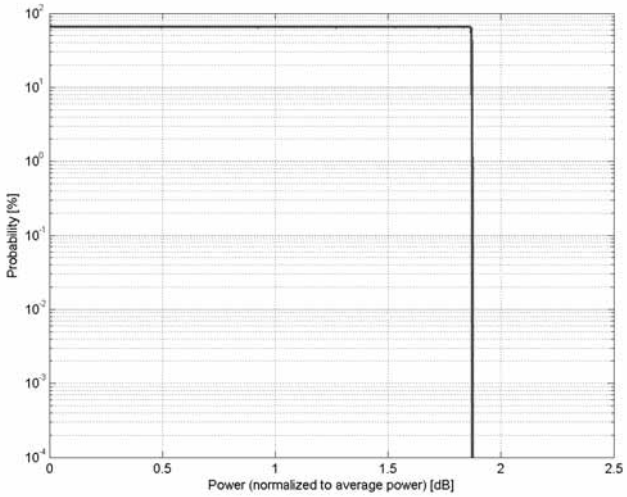
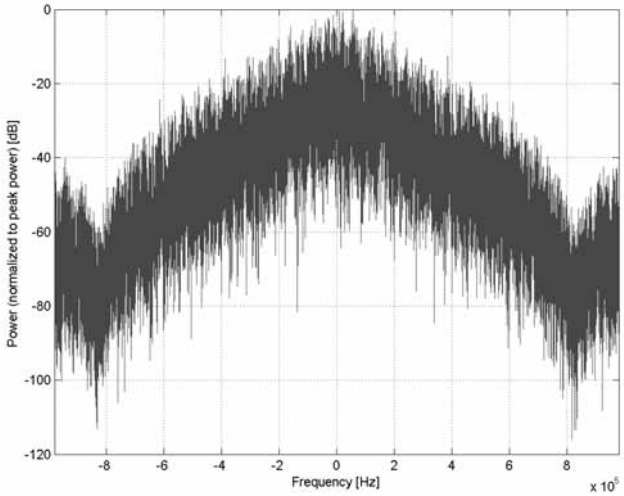
Name:	**IEEE 802.15.1 Bluetooth (GFSK, DH3)**
Group:	Bluetooth
UID:	10031-CAA
PAR: [1]	**1.87 dB**
MIF: [2]	**-2.66 dB**
Standard Reference:	Bluetooth 1.2 (IEEE Standard 802.15.1-2005)
Category:	Periodic pulsed modulation
Modulation:	GFSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Basic Rate, 3 Slot active Data Rate: 1 Mbps Packet Type: DH3 Payload Body: 183 Bytes PN9 data is inserted into the payload body Modulation for Payload: GFSK Modulation Index: 0.32
Bandwidth:	1.4 MHz
Integration Time:	5.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

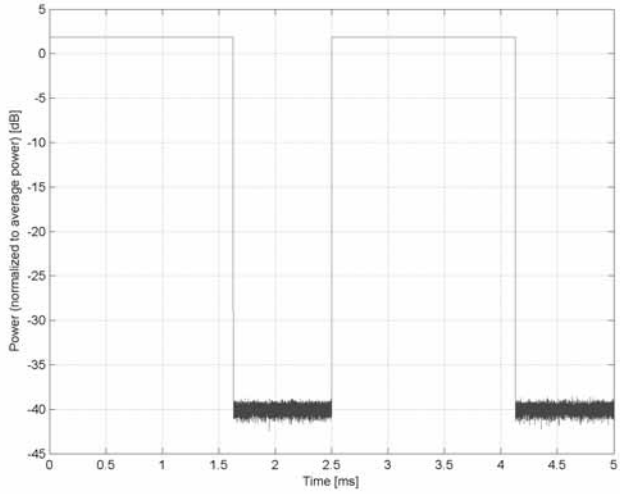
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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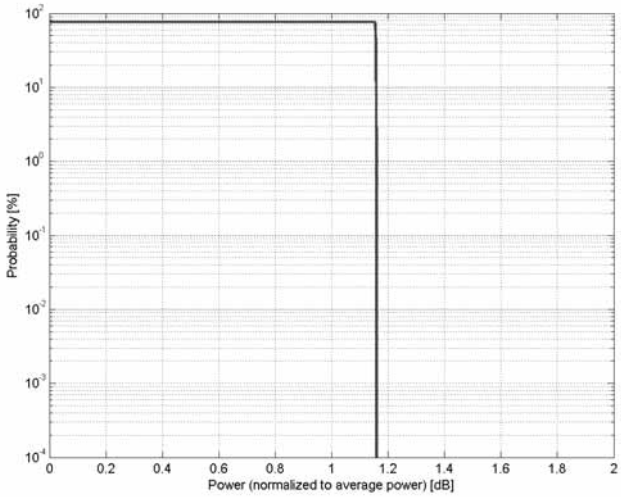
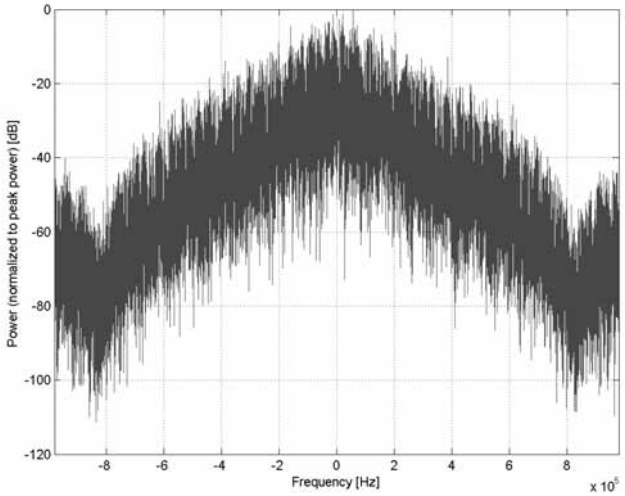
Name:	**IEEE 802.15.1 Bluetooth (GFSK, DH5)**
Group:	Bluetooth
UID:	10032-CAA
PAR: [1]	**1.16 dB**
MIF: [2]	**-3.98 dB**
Standard Reference:	Bluetooth 1.2 (IEEE Standard 802.15.1-2005)
Category:	Periodic pulsed modulation
Modulation:	GFSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Basic Rate, 5 Slot active Data Rate: 1 Mbps Packet Type: DH5 Payload Body: 339 Bytes PN9 data is inserted into the payload body Modulation for Payload: GFSK Modulation Index: 0.32
Bandwidth:	1.4 MHz
Integration Time:	7.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

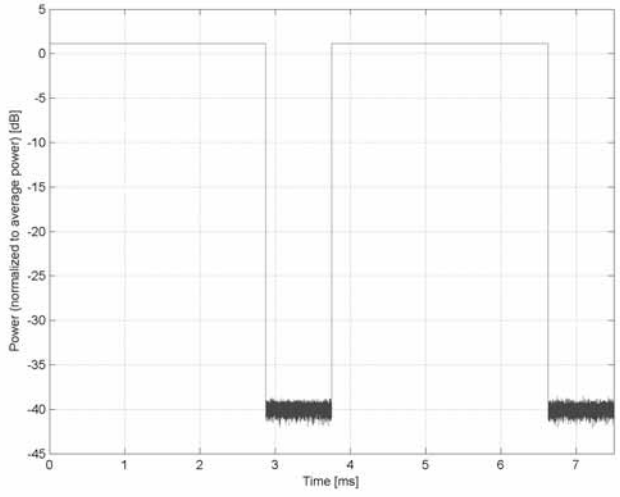
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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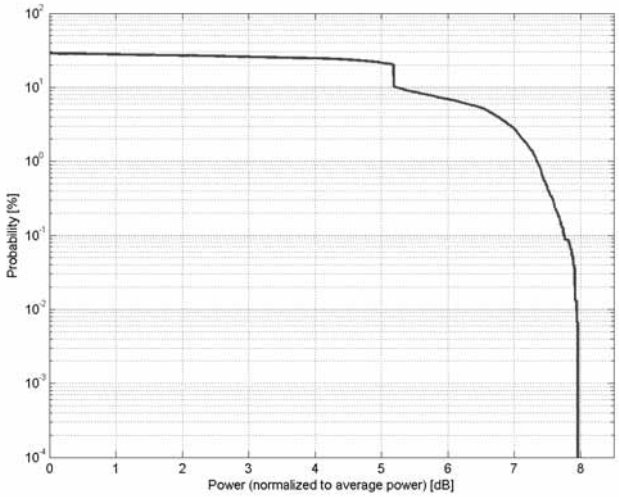
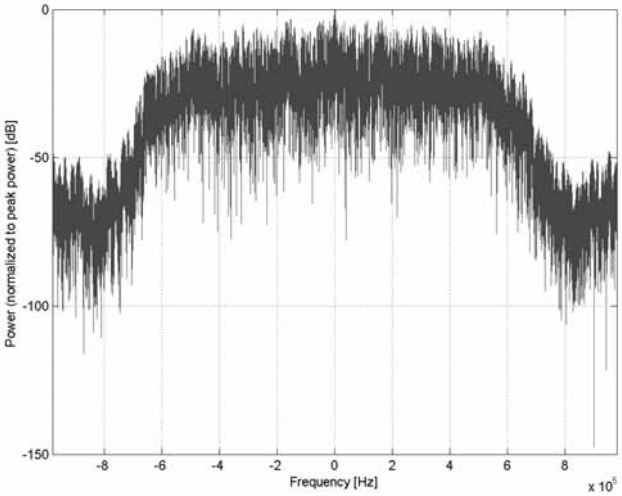
Name:	**IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)**
Group:	Bluetooth
UID:	10033-CAA
PAR: [1]	**7.74 dB**
MIF: [2]	**0.90 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	Pi/4-DQPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 1 Slot active Data Rate: 2 Mbps Packet Type: 2-DH1 Payload Body: 54 Bytes PN9 data is inserted into the payload body Modulation for Payload: Pi/4-DQPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	2.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

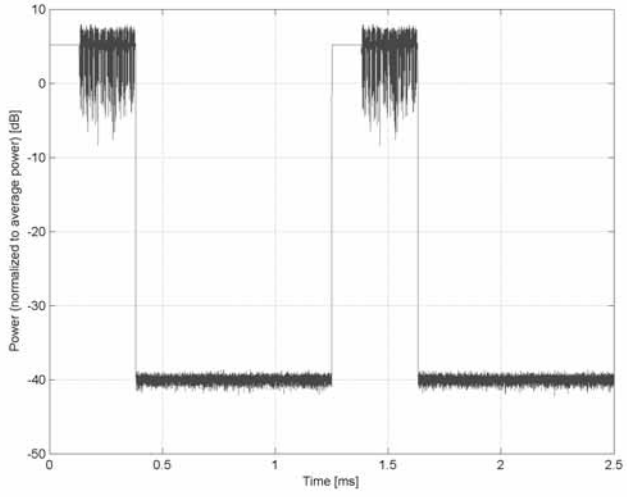
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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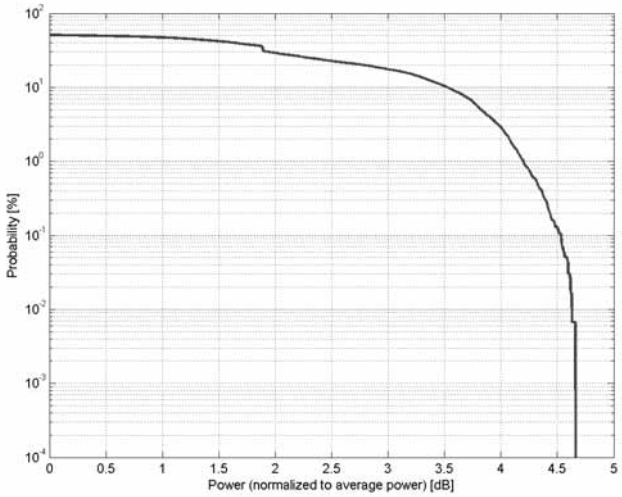
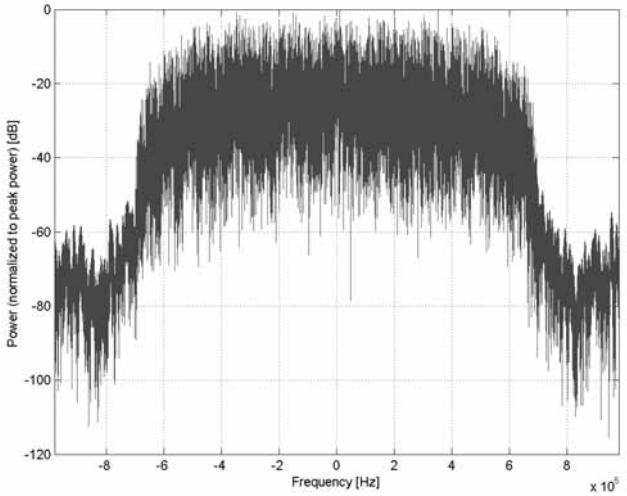
Name:	**IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)**
Group:	Bluetooth
UID:	10034-CAA
PAR: [1]	**4.53 dB**
MIF: [2]	**-2.69 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	Pi/4-DQPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 3 Slot active Data Rate: 2 Mbps Packet Type: 2-DH3 Payload Body: 367 Bytes PN9 data is inserted into the payload body Modulation for Payload: Pi/4-DQPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	5.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

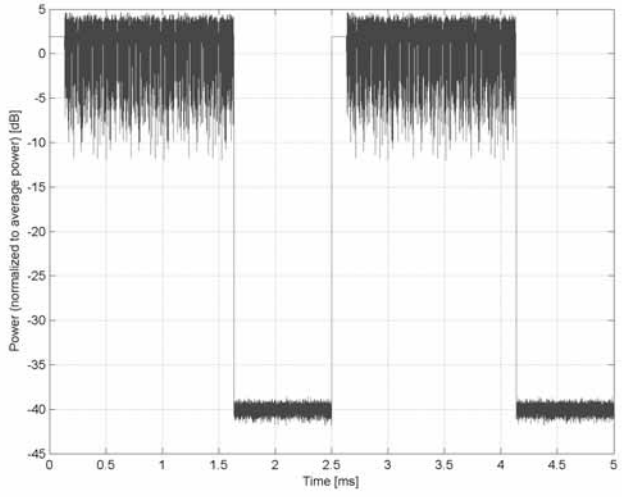
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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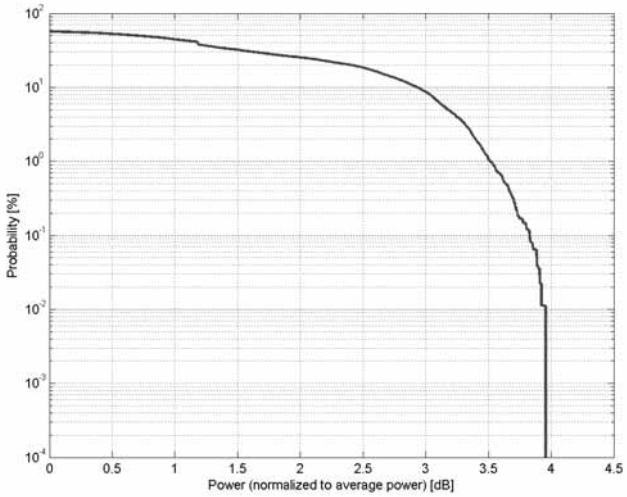
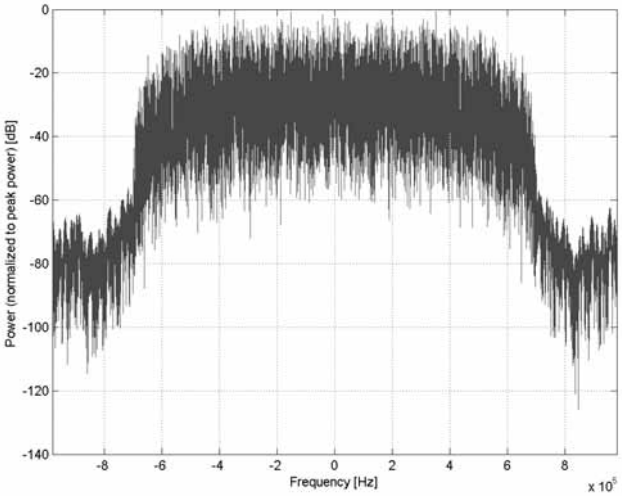
Name:	**IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)**
Group:	Bluetooth
UID:	10035-CAA
PAR: [1]	**3.83 dB**
MIF: [2]	**-3.99 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	Pi/4-DQPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 5 Slot active Data Rate: 2 Mbps Packet Type: 2-DH5 Payload Body: 679 Bytes PN9 data is inserted into the payload body Modulation for Payload: Pi/4-DQPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	7.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

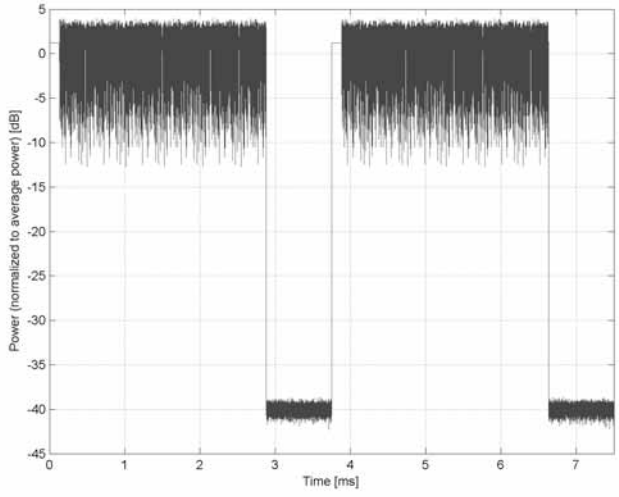
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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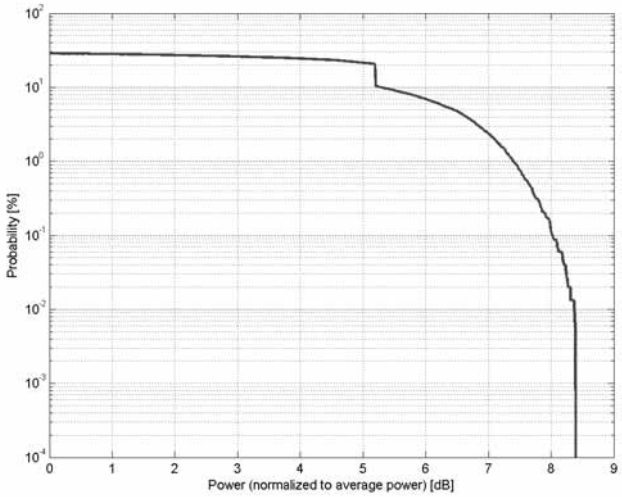
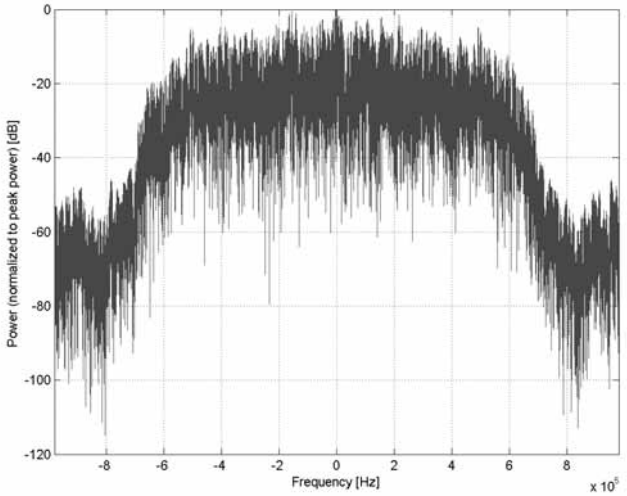
Name:	**IEEE 802.15.1 Bluetooth (8-DPSK, DH1)**
Group:	Bluetooth
UID:	10036-CAA
PAR: [1]	**8.01 dB**
MIF: [2]	**0.89 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	8-DPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 1 Slot active Data Rate: 3 Mbps Packet Type: 3-DH1 Payload Body: 83 Bytes PN9 data is inserted into the payload body Modulation for Payload: 8-DPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	2.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

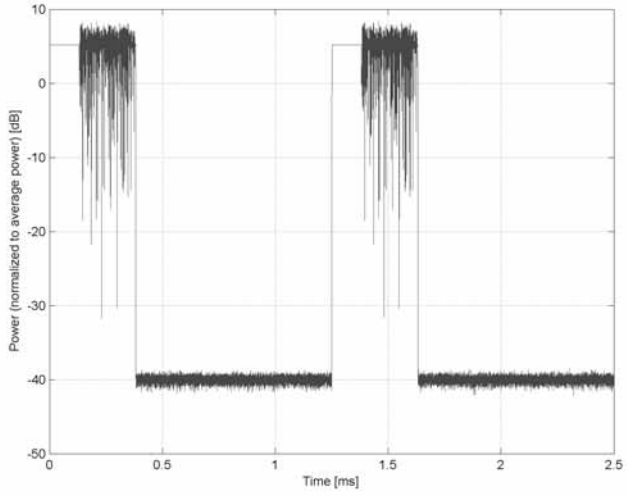
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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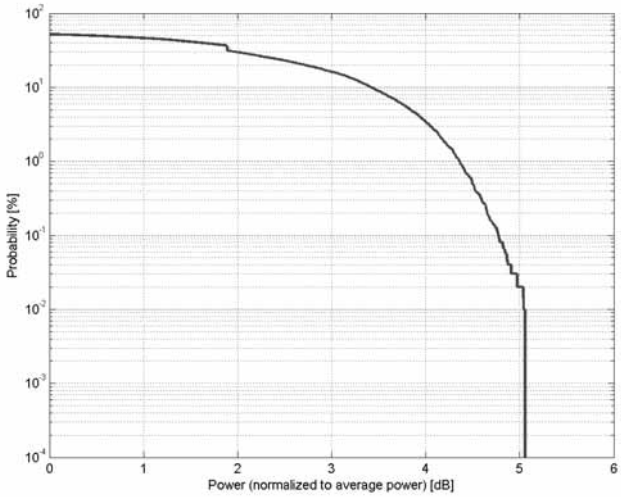
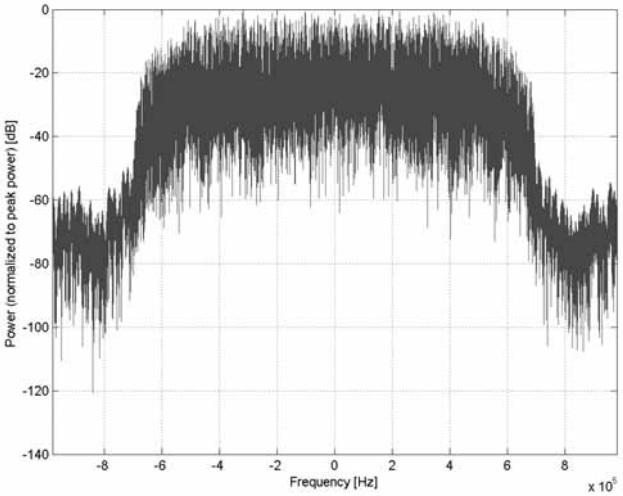
Name:	**IEEE 802.15.1 Bluetooth (8-DPSK, DH3)**
Group:	Bluetooth
UID:	10037-CAA
PAR: [1]	**4.77 dB**
MIF: [2]	**-2.68 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	8-DPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 3 Slot active Data Rate: 3 Mbps Packet Type: 3-DH3 Payload Body: 552 Bytes PN9 data is inserted into the payload body Modulation for Payload: 8-DPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	5.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

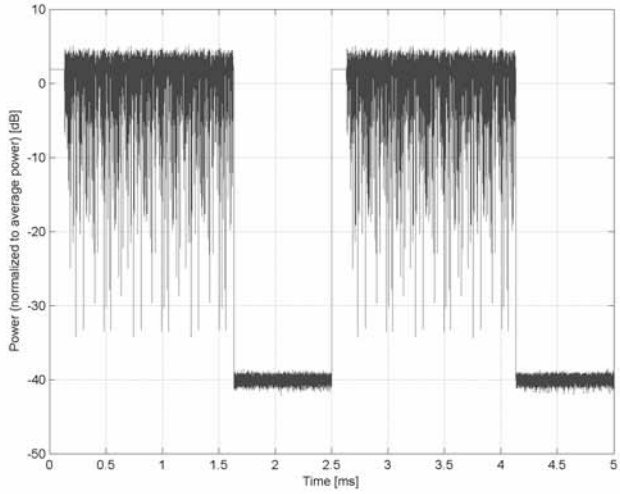
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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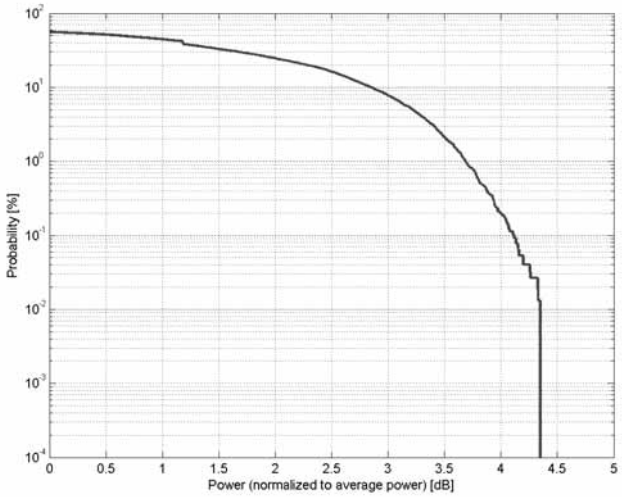
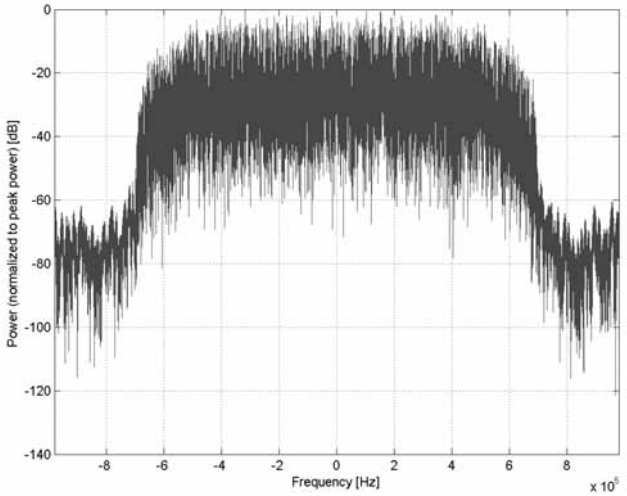
Name:	**IEEE 802.15.1 Bluetooth (8-DPSK, DH5)**
Group:	Bluetooth
UID:	10038-CAA
PAR: [1]	**4.10 dB**
MIF: [2]	**-3.99 dB**
Standard Reference:	Bluetooth 2.0 + EDR (Bluetooth SIG)
Category:	Periodic pulsed modulation
Modulation:	8-DPSK
Frequency Band:	ISM 2.4 GHz Band (2400.0-2483.5 MHz, 20052)
Detailed Specification:	Enhanced Data Rate, 5 Slot active Data Rate: 3 Mbps Packet Type: 3-DH5 Payload Body: 1021 Bytes PN9 data is inserted into the payload body Modulation for Payload: 8-DPSK Filter: Root Nyquist (Roll-off Rate = 0.4)
Bandwidth:	1.4 MHz
Integration Time:	7.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

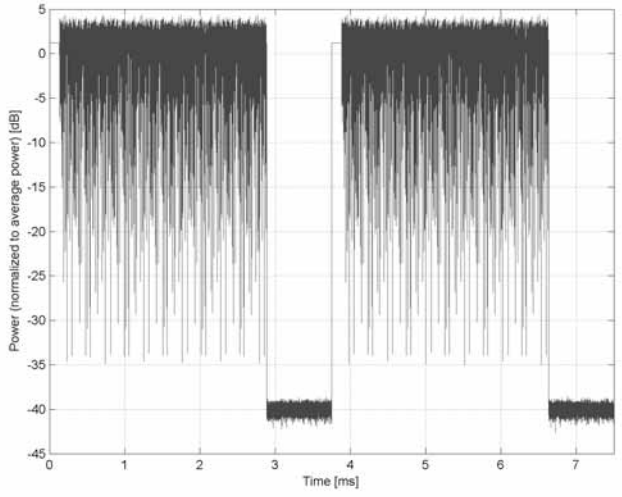
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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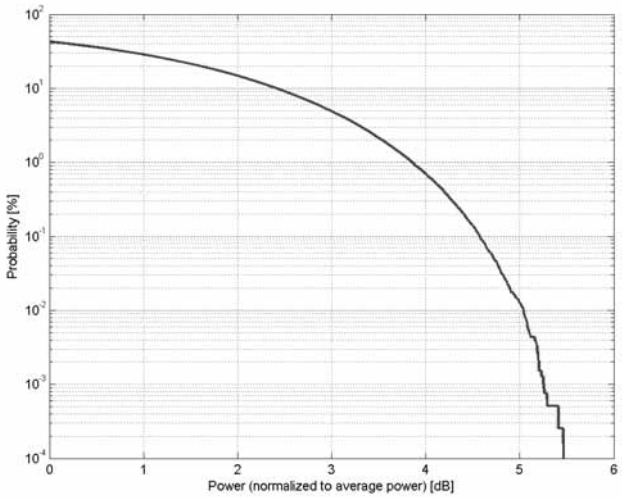
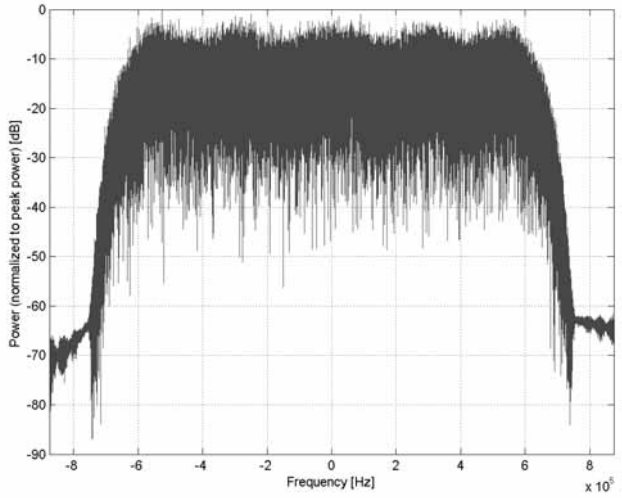
Name:	**CDMA2000 (1xRTT, RC1)**
Group:	CDMA2000
UID:	10039-CAB
PAR: [1]	**4.57 dB**
MIF: [2]	**-19.77 dB**
Standard Reference:	3GPP2 C.S0002-C-1, Chapter 2.1.3.9.2.3 FCC OET KDB 941225 D01 SAR test for 3G devices (v02)
Category:	Random amplitude modulation
Modulation:	64-ary orthogonal
Frequency Band:	Band Class 0 (815.0-849.0 MHz, 20220) Band Class 1 (1850.0-1910.0 MHz, 20040) Band Class 2 (872.0-915.0 MHz, 20041) Band Class 3 (887.0-925.0 MHz, 20042) Band Class 4 (1750.0-1780.0 MHz, 20043) Band Class 5 (411.7-483.5 MHz, 20044) Band Class 6 (1920.0-1980.0 MHz, 20045) Band Class 7 (776.0-794.0 MHz, 20046) Band Class 8 (1710.0-1785.0 MHz, 20047) Band Class 9 (880.0-915.0 MHz, 20048) Band Class 10 (806.0-901.0 MHz, 20049) Band Class 11 (410.0-462.5 MHz, 20050) Band Class 12 (870.0-876.0 MHz, 20051) Band Class 13 (2500.0-2570.0 MHz, 20179) Band Class 14 (1850.0-1915.0 MHz, 20180) Band Class 15 (1710.0-1755.0 MHz, 20181) Band Class 16 (2502.0-2568.0 MHz, 20182) Band Class 18 (787.0-799.0 MHz, 20184) Band Class 19 (698.0-716.0 MHz, 20185) Band Class 20 (1626.5-1660.5 MHz, 20186) Band Class 21 (2000.0-2020.0 MHz, 20187)
Detailed Specification:	Radio Configurations 1 (RC1) Output Slot: FCH 9.6 kpbs (PN9fix)
Bandwidth:	1.2 MHz
Integration Time:	80.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

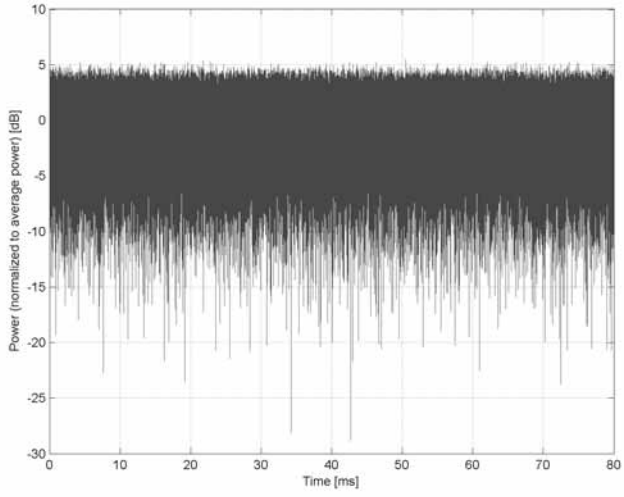
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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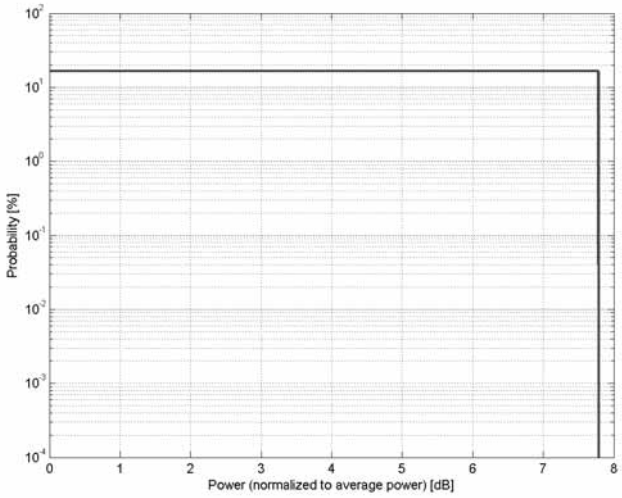
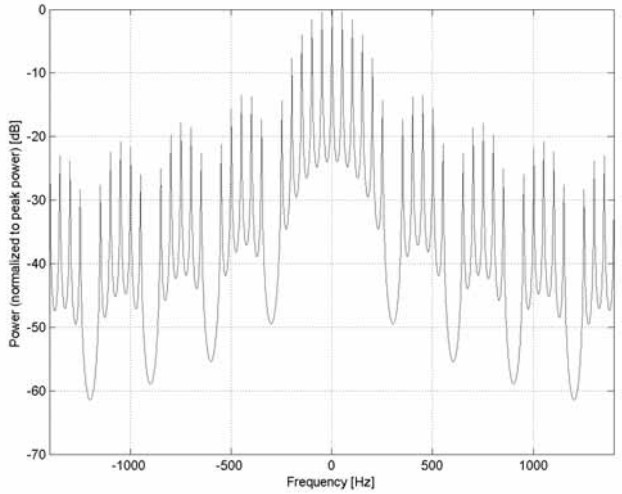
Name:	**IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)**
Group:	AMPS
UID:	10042-CAB
PAR: [1]	**7.78 dB**
MIF: [2]	**0.86 dB**
Standard Reference:	TIA/EIA-136-110-B
Category:	Periodic pulsed modulation
Modulation:	Pi/4-DQPSK
Frequency Band:	IS-136, 800MHz, 30kHz (824.0-849.0 MHz, 20222) IS-136, 800MHz, 200kHz (824.0-849.0 MHz, 20223) IS-136, 1900MHz, 30kHz (1850.0-1910.0 MHz, 20224) IS-136, 1900MHz, 200kHz (1850.0-1910.0 MHz, 20225) IS-136, 1900MHz, 30kHz (1920.0-1980.0 MHz, 20226) IS-136, 1900MHz, 200kHz (1920.0-1980.0 MHz, 20227) IS-136, 700MHz, 30kHz (747.0-762.0 MHz, 20228) IS-136, 700MHz, 200kHz (747.0-762.0 MHz, 20229)
Detailed Specification:	D-AMPS Multiple Access Method: TDMA/FDM Channel Spacing/Bandwidth: 30 kHz / 200 kHz Channel Bit Rate: 48.6 kbit/s Spectrum Efficiency: 1.62 bit/s/Hz Active Channels: 1 of 6 (Halfrate Channels)
Bandwidth:	0.0 MHz
Integration Time:	20.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

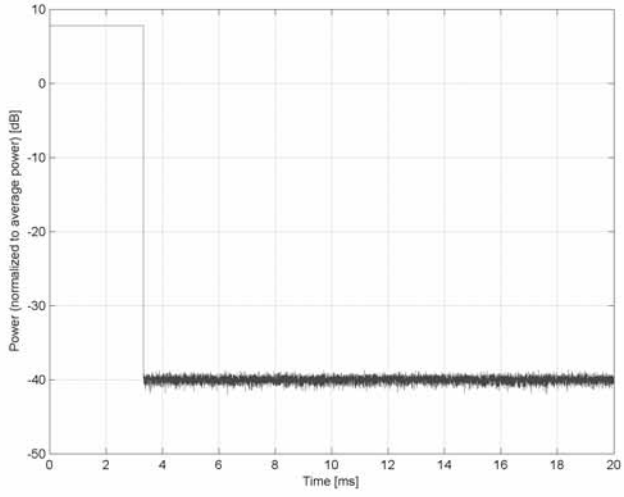
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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Name:	**IS-91/EIA/TIA-553 FDD (FDMA, FM)**
Group:	AMPS
UID:	10044-CAA
PAR: [1]	**0.00 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	TIA/EIA/IS-91
Category:	Continous Waveform
Modulation:	FM
Frequency Band:	Band Class 0 (824.0 - 849.0 MHz, 20039)
Detailed Specification:	Continous Waveform
Bandwidth:	0.0 MHz
Integration Time:	100.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).

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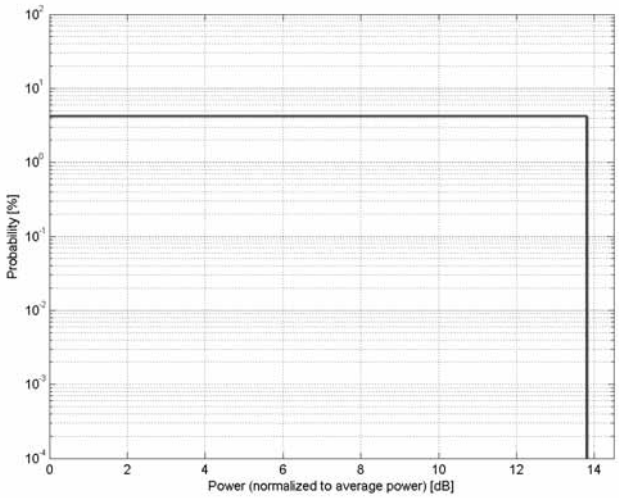
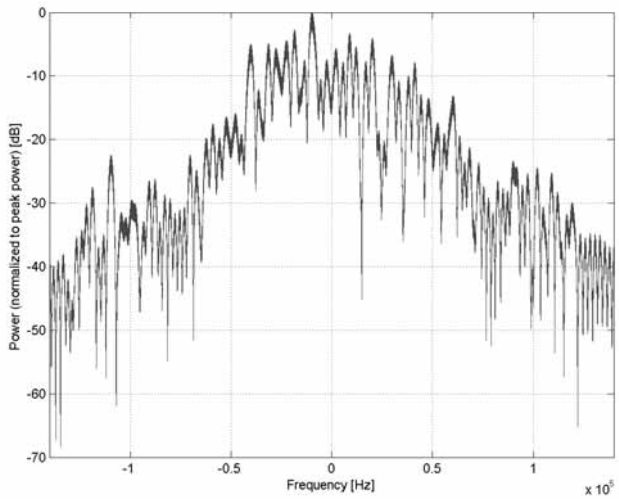
Name:	**DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)**
Group:	DECT
UID:	10048-CAA
PAR: [1]	**13.80 dB**
MIF: [2]	**7.03 dB**
Standard Reference:	ETSI EN 300 175-3
Category:	Periodic pulsed modulation
Modulation:	GFSK
Frequency Band:	Band 00001 (1880.0-2025.0 MHz, 20170) Band 00010 (1899.1-2023.5 MHz, 20171) Band 00011 (1916.4-2023.5 MHz, 20172) Band 00100 (1937.1-2023.5 MHz, 20173) Band 00100 (1937.1-2023.5 MHz, 20173) Band 00101 (1957.8-1978.6 MHz, 20174) Band 01000 (902.0-928.0 MHz, 20175) Band 01001 (2400.0-2483.0 MHz, 20176)
Detailed Specification:	No. of active slot per frame: 1 GFSK Modulation Data Type: Bernoulli Random Sequence Bitduration Product BT=0.5
Bandwidth:	0.2 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

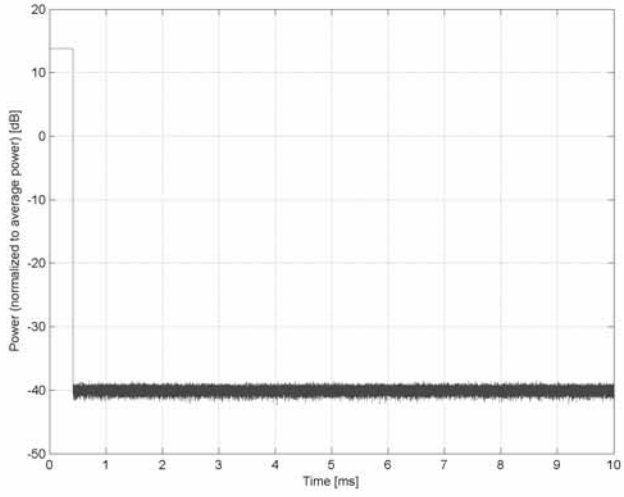
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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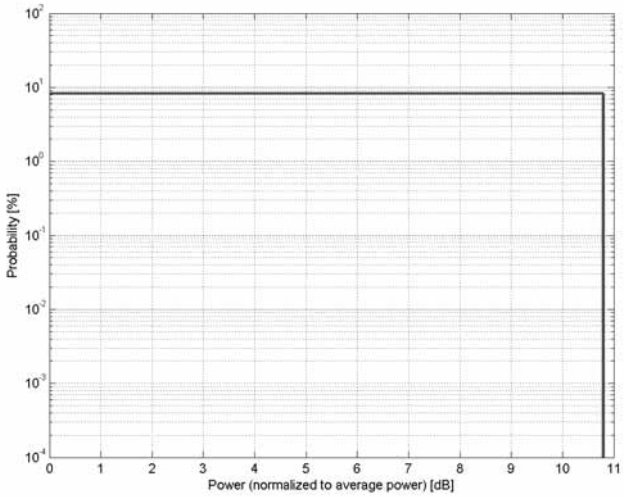
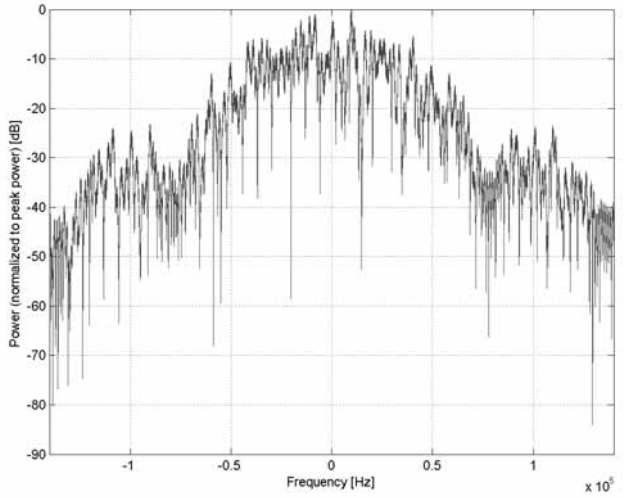
Name:	**DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)**
Group:	DECT
UID:	10049-CAA
PAR: [1]	**10.79 dB**
MIF: [2]	**4.66 dB**
Standard Reference:	ETSI EN 300 175-3
Category:	Periodic pulsed modulation
Modulation:	GFSK
Frequency Band:	Band 00001 (1880.0-2025.0 MHz, 20170) Band 00010 (1899.1-2023.5 MHz, 20171) Band 00011 (1916.4-2023.5 MHz, 20172) Band 00100 (1937.1-2023.5 MHz, 20173) Band 00100 (1937.1-2023.5 MHz, 20173) Band 00101 (1957.8-1978.6 MHz, 20174) Band 01000 (902.0-928.0 MHz, 20175) Band 01001 (2400.0-2483.0 MHz, 20176)
Detailed Specification:	No. of active slot per frame: 2 GFSK Modulation Data Type: Bernoulli Random Sequence Bitduration Product BT=0.5
Bandwidth:	0.2 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

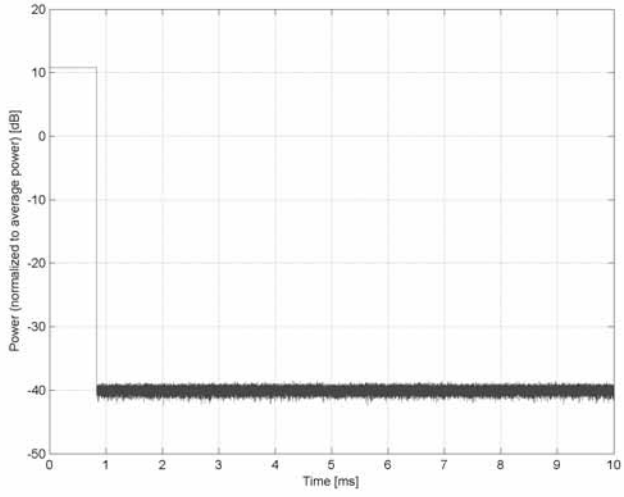
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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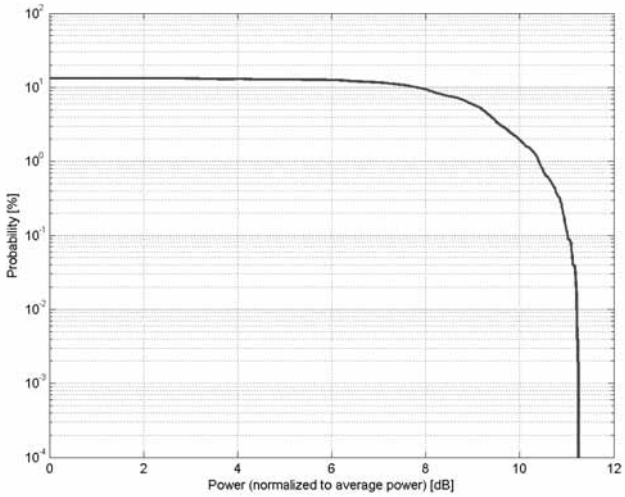
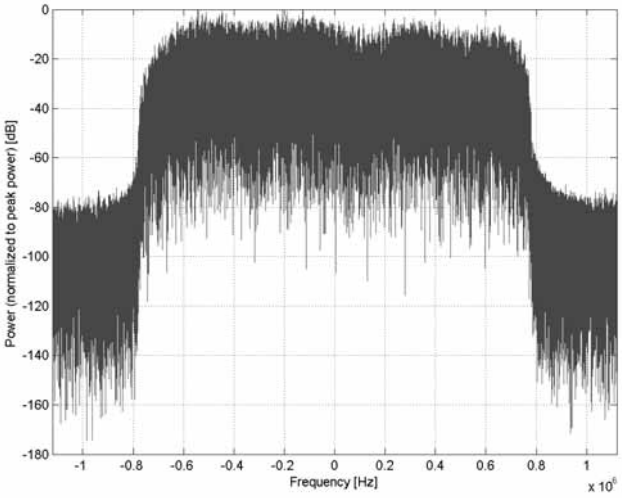
Name:	**UMTS-TDD (TD-SCDMA, 1.28 Mcps)**
Group:	TD-SCDMA
UID:	10056-CAA
PAR: [1]	**11.01 dB**
MIF: [2]	**3.10 dB**
Standard Reference:	3GPP TS 25.102, Appendix A.2.1.2
Category:	Periodic pulsed modulation
Modulation:	QPSK
Frequency Band:	Band a1, UTRA/TDD (1900.0-1920.0 MHz, 20055) Band a2, UTRA/TDD (2010.0-2025.0 MHz, 20056) Band b1, UTRA/TDD (1850.0-1910.0 MHz, 20057) Band b2, UTRA/TDD (1930.0-1990.0 MHz, 20058) Band c, UTRA/TDD (1910.0-1930.0 MHz, 20059) Band d, UTRA/TDD (2570.0-2620.0 MHz, 20060) Band e, UTRA/TDD (2300.0-2400.0 MHz, 20061) Band f, UTRA/TDD (1880.0-1920.0 MHz, 20062)
Detailed Specification:	Chiprate: 1.28 Mcps Information Data Rate: 12.2 kbps Spread Factor: 8
Bandwidth:	1.6 MHz
Integration Time:	100.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

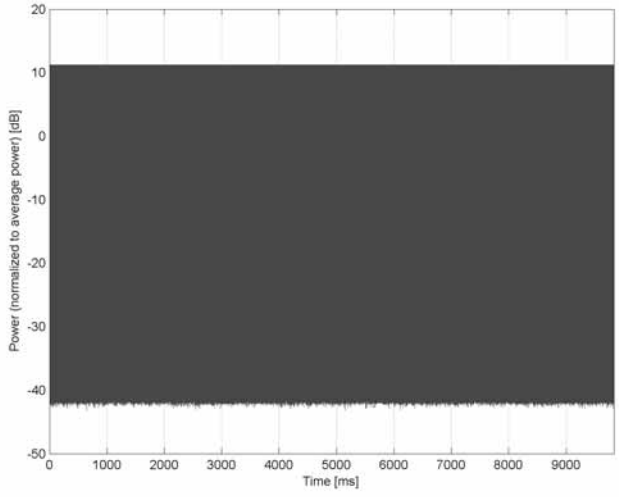
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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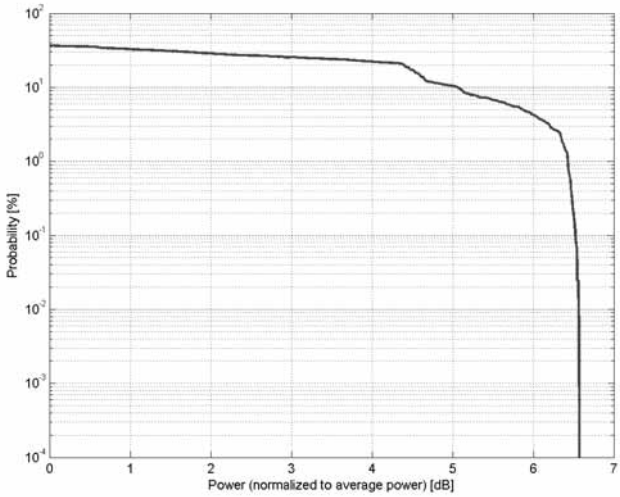
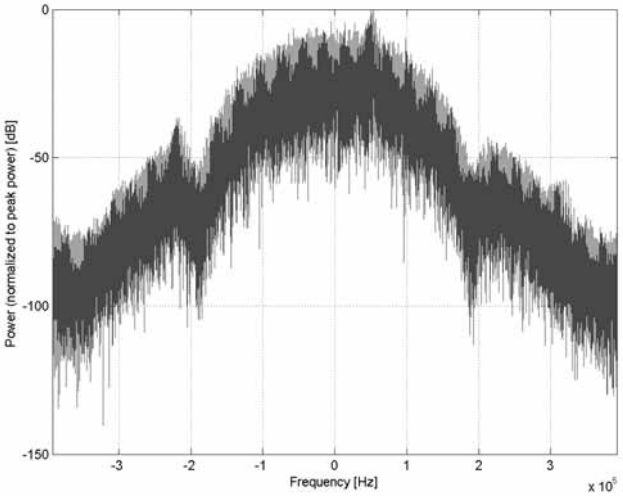
Name:	**EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)**
Group:	GSM
UID:	10058-DAC
PAR: [1]	**6.52 dB**
MIF: [2]	**-1.82 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	8PSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN1, TN2, TN3 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for 8PSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

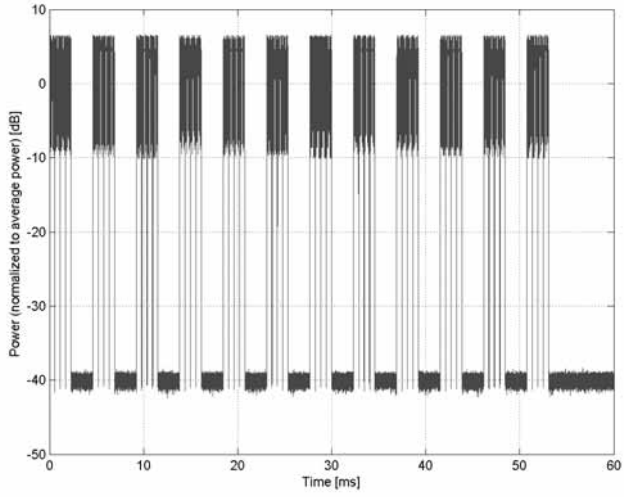
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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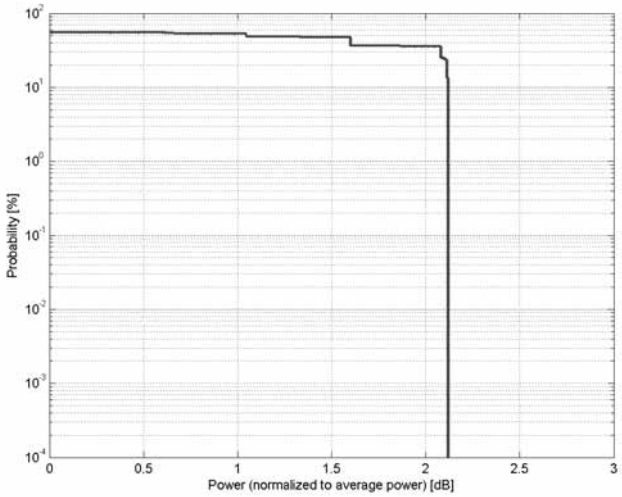
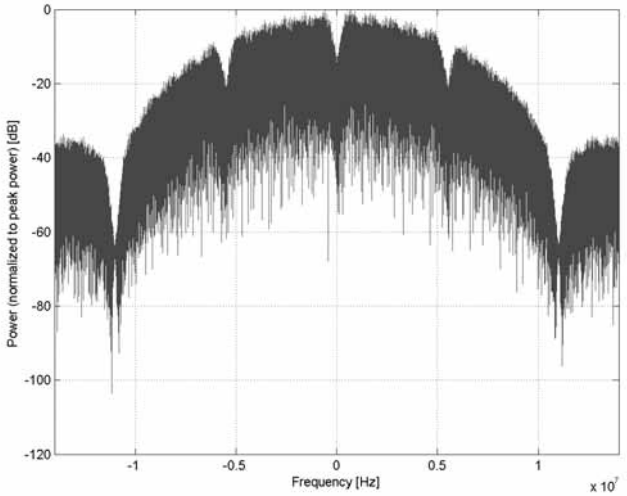
Name:	**IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)**
Group:	WLAN
UID:	10059-CAB
PAR: [1]	**2.12 dB**
MIF: [2]	**-5.17 dB**
Standard Reference:	IEEE 802.11b-1999 , Part 11, FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	DQPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 2 Mbps Spreading, Coding: DSSS, 11 Chip Barker PPDU format: Long Preamble & Heading PSDU Length: 1024 PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	4.9 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

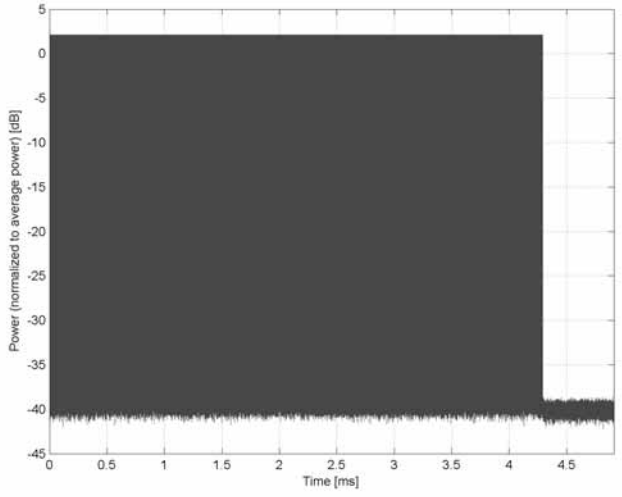
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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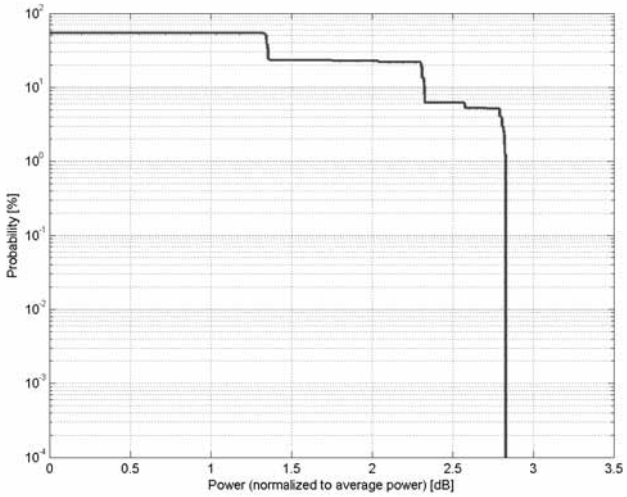
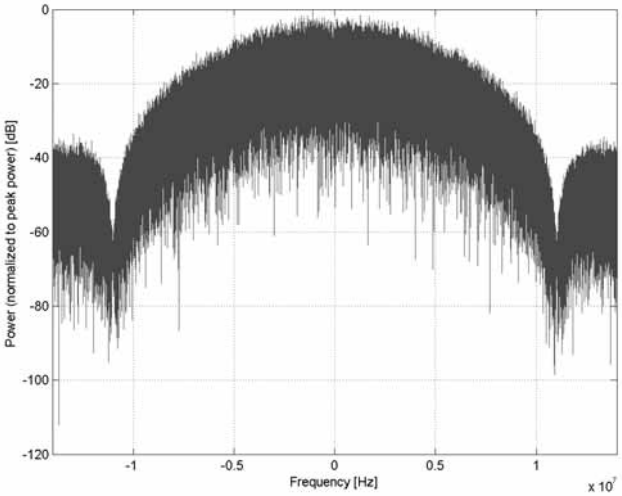
Name:	**IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)**
Group:	WLAN
UID:	10060-CAB
PAR: [1]	**2.83 dB**
MIF: [2]	**-3.37 dB**
Standard Reference:	IEEE 802.11b-1999 , Part 11, FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	DQPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 5.5 Mbps Spreading, Coding: CCK PPDU format: Long Preamble & Heading PSDU Length: 1024 PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	2.3 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

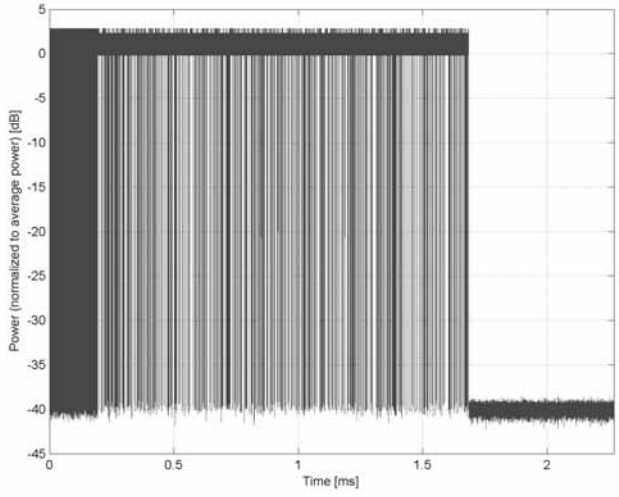
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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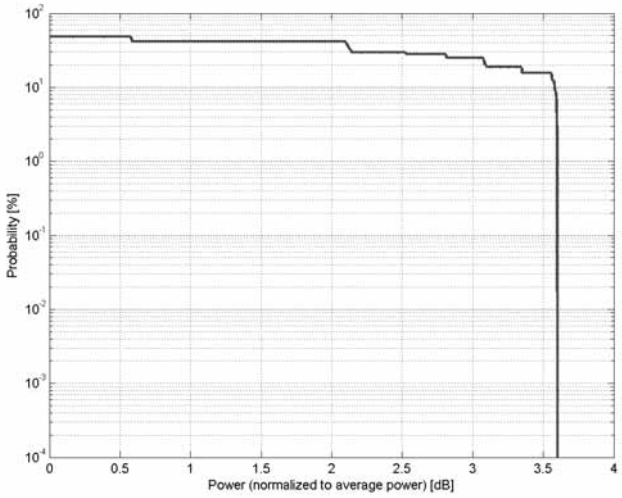
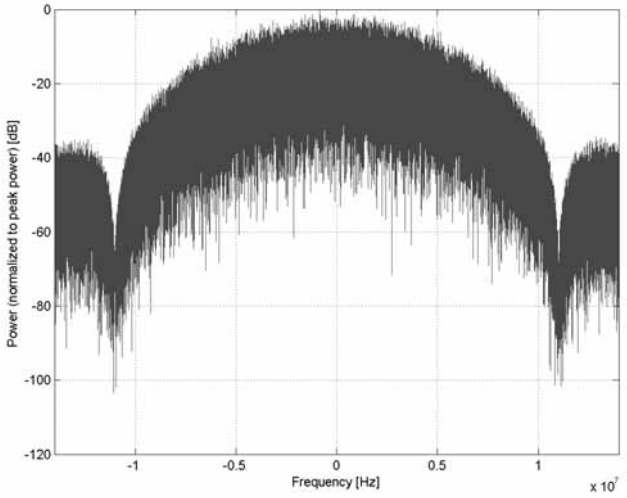
Name:	**IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)**
Group:	WLAN
UID:	10061-CAB
PAR: [1]	**3.60 dB**
MIF: [2]	**-2.02 dB**
Standard Reference:	IEEE 802.11b-1999 , Part 11, FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	DQPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 11 Mbps Spreading, Coding: CCK PPDU format: Long Preamble & Heading PSDU Length: 1024 PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

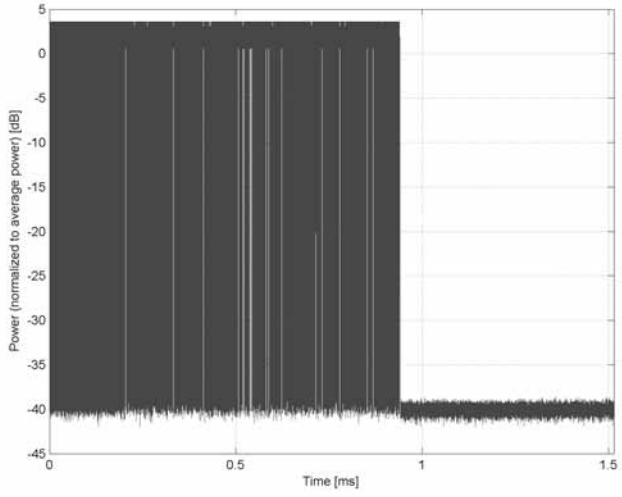
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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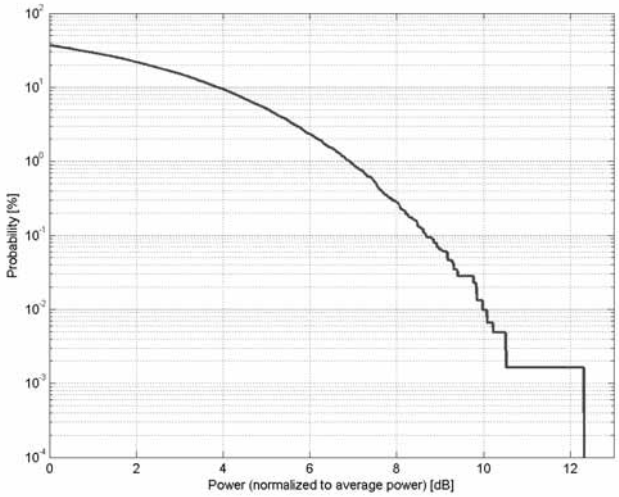
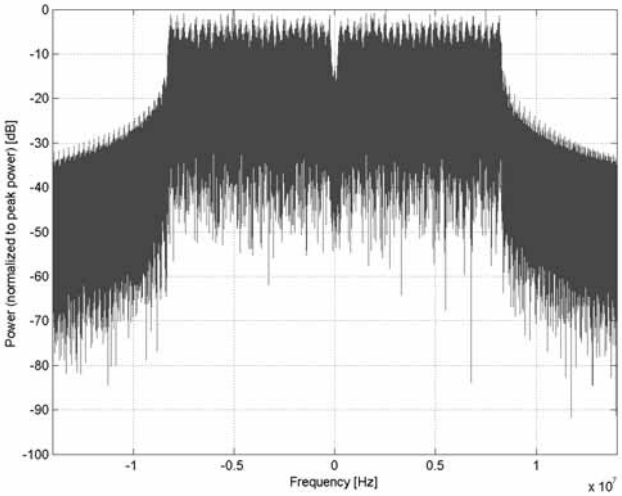
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)**
Group:	WLAN
UID:	10062-CAE
PAR: [1]	**8.68 dB**
MIF: [2]	**-5.82 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 6 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 1 Coded bits per OFDM symbol: 48 Data bits per OFDM symbol: 24 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.5 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

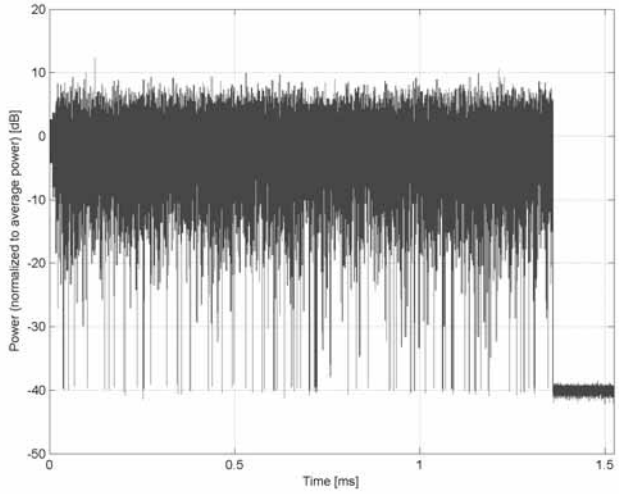
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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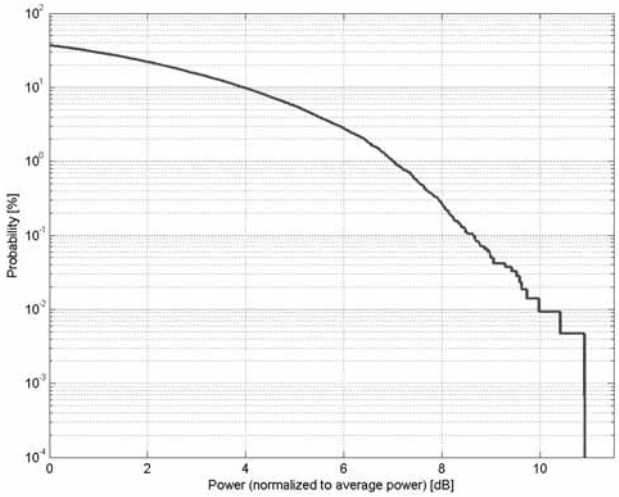
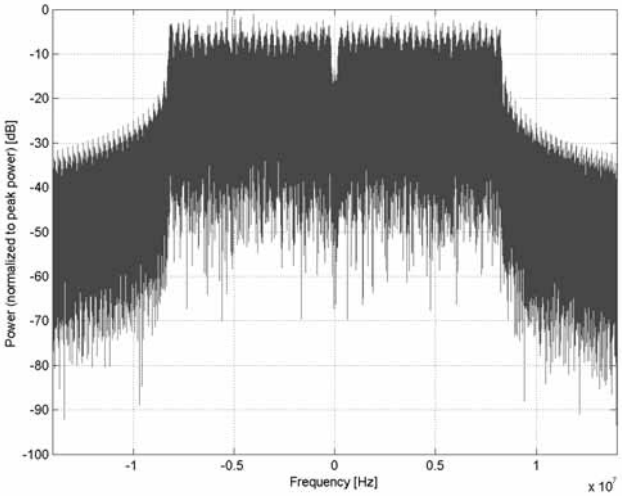
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)**
Group:	WLAN
UID:	10063-CAE
PAR: [1]	**8.63 dB**
MIF: [2]	**-5.14 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 9 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 1 Coded bits per OFDM symbol: 48 Data bits per OFDM symbol: 36 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.1 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

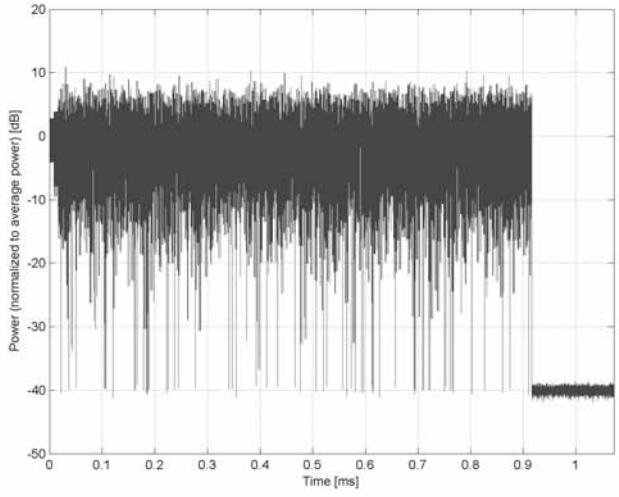
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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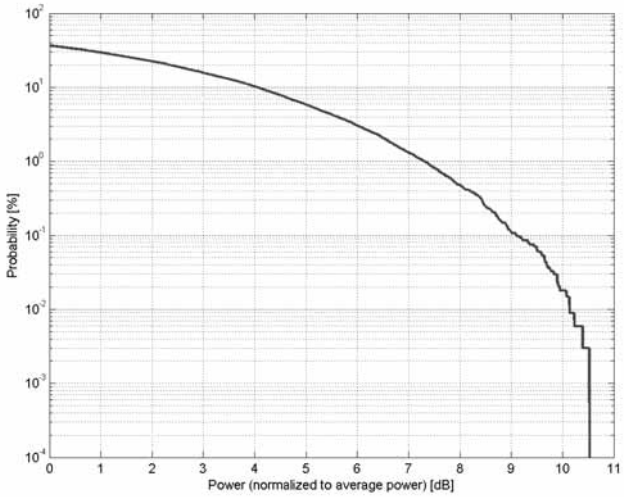
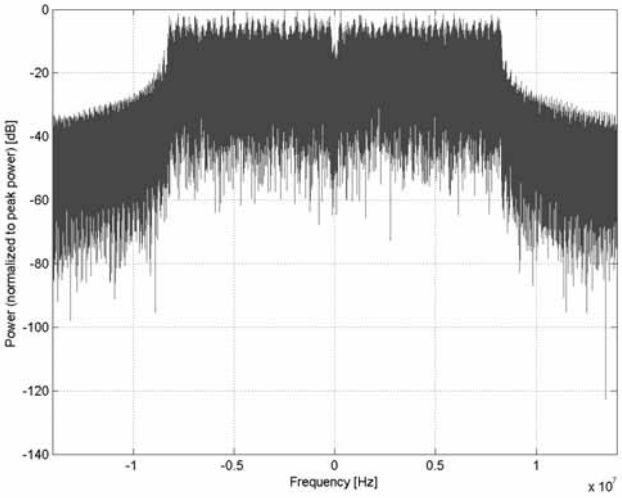
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)**
Group:	WLAN
UID:	10064-CAE
PAR: [1]	**9.09 dB**
MIF: [2]	**-4.67 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 12 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 2 Coded bits per OFDM symbol: 96 Data bits per OFDM symbol: 48 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.8 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

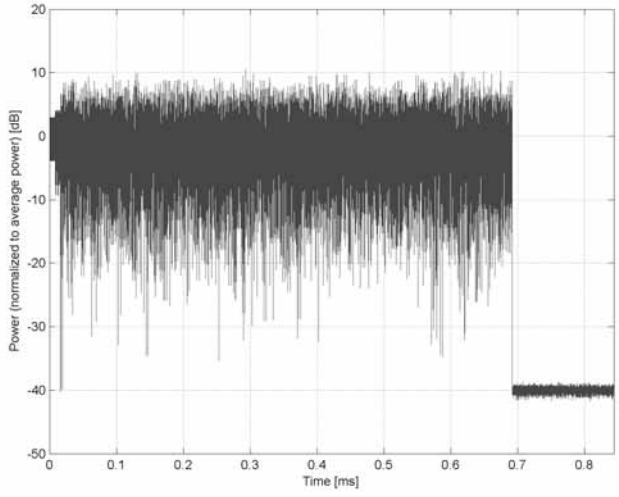
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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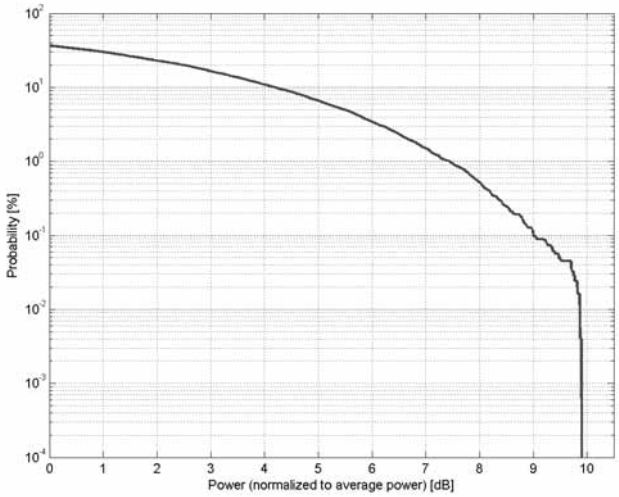
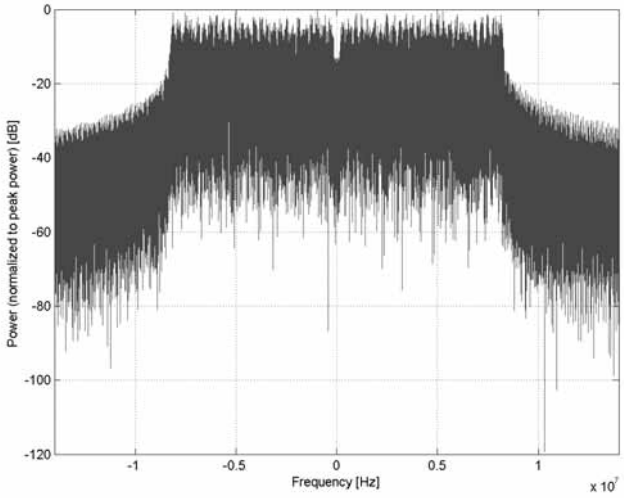
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)**
Group:	WLAN
UID:	10065-CAE
PAR: [1]	**9.00 dB**
MIF: [2]	**-4.00 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 18 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 2 Coded bits per OFDM symbol: 96 Data bits per OFDM symbol: 72 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.6 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

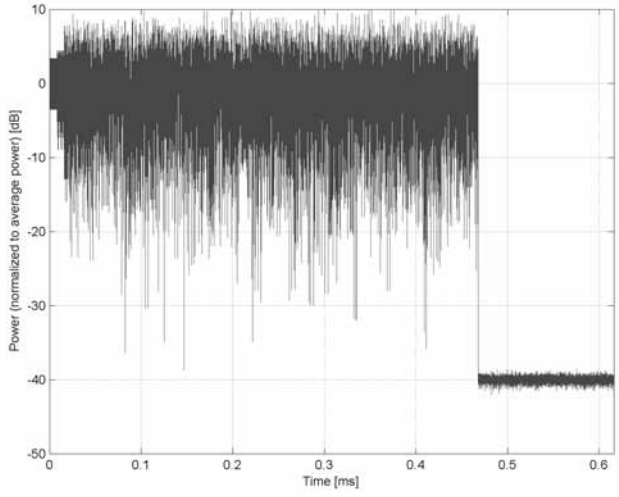
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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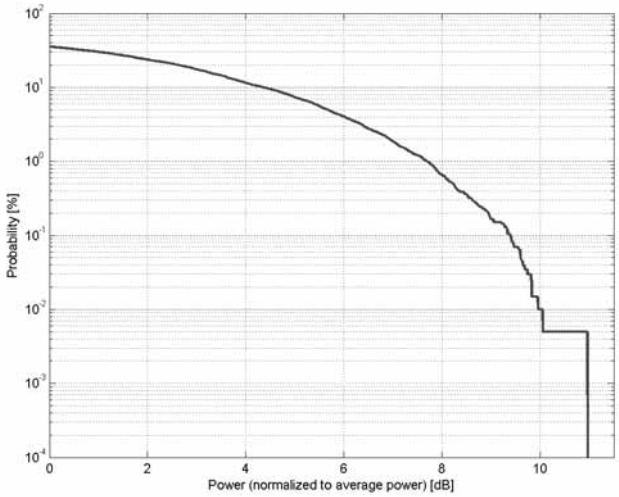
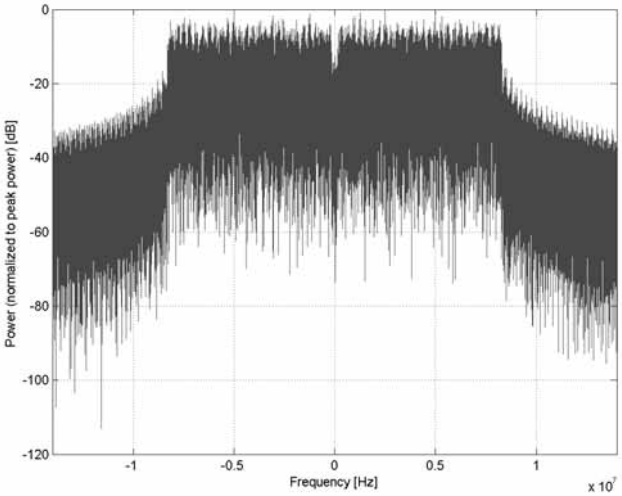
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)**
Group:	WLAN
UID:	10066-CAE
PAR: [1]	**9.38 dB**
MIF: [2]	**-3.55 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 24 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 4 Coded bits per OFDM symbol: 192 Data bits per OFDM symbol: 96 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.5 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

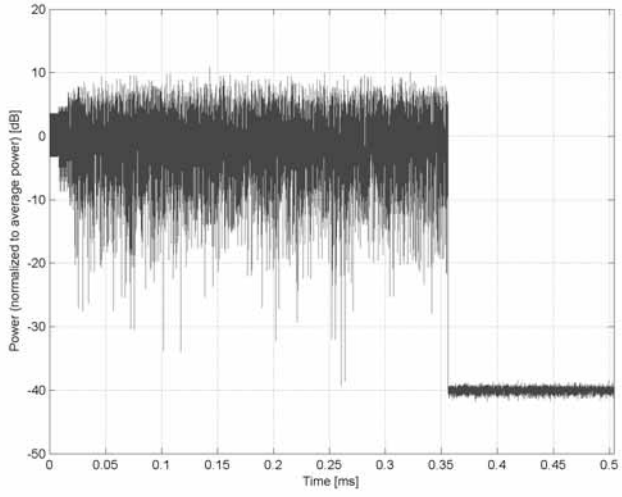
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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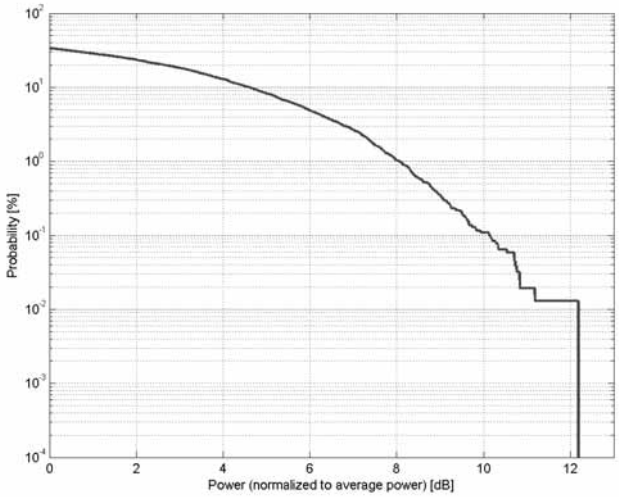
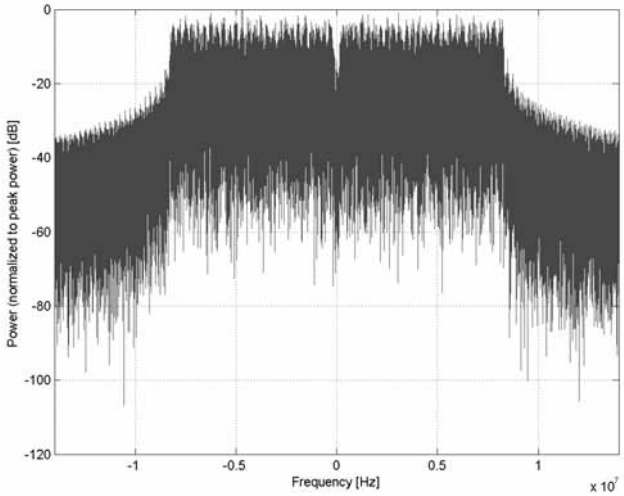
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)**
Group:	WLAN
UID:	10067-CAE
PAR: [1]	**10.12 dB**
MIF: [2]	**-3.20 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 36 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 4 Coded bits per OFDM symbol: 192 Data bits per OFDM symbol: 144 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.4 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

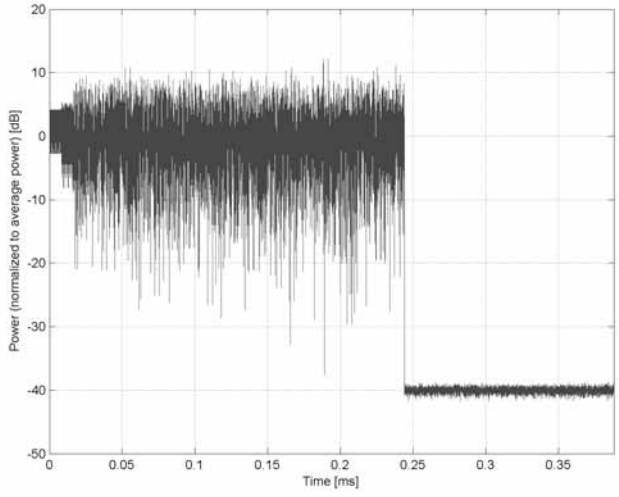
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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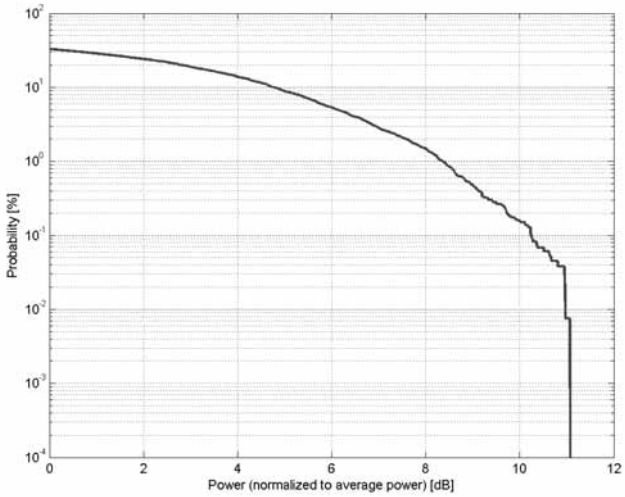
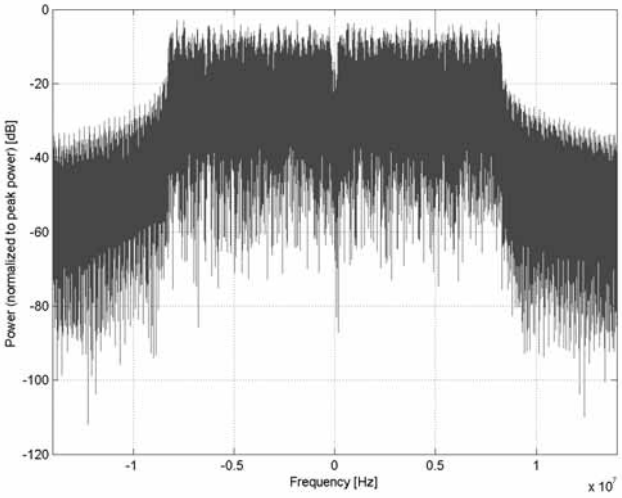
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)**
Group:	WLAN
UID:	10068-CAE
PAR: [1]	**10.24 dB**
MIF: [2]	**-3.16 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 48 Mbps Coding Rate: 2/3 Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 192 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.3 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

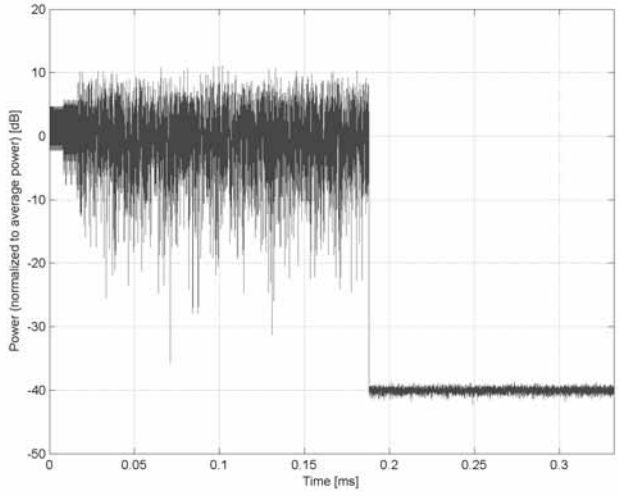
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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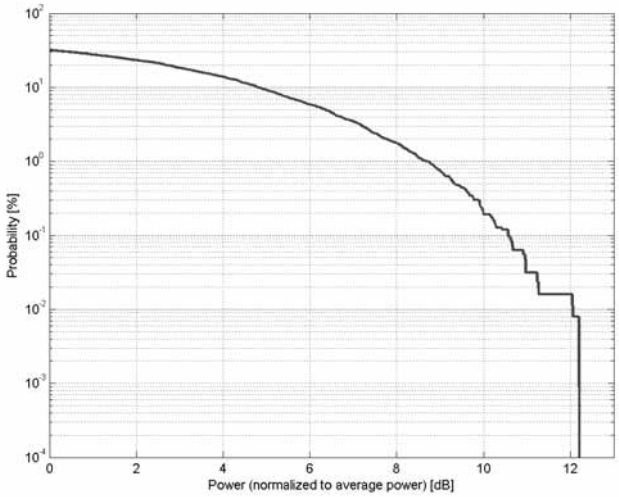
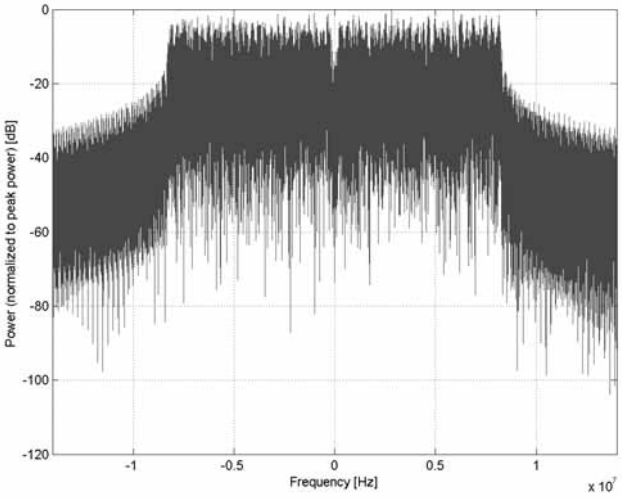
Name:	**IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)**
Group:	WLAN
UID:	10069-CAE
PAR: [1]	**10.56 dB**
MIF: [2]	**-3.15 dB**
Standard Reference:	IEEE 802.11a-1999 (R2003) , Part 11 IEEE 802.11h-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Data Rate: 54 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 216 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.3 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

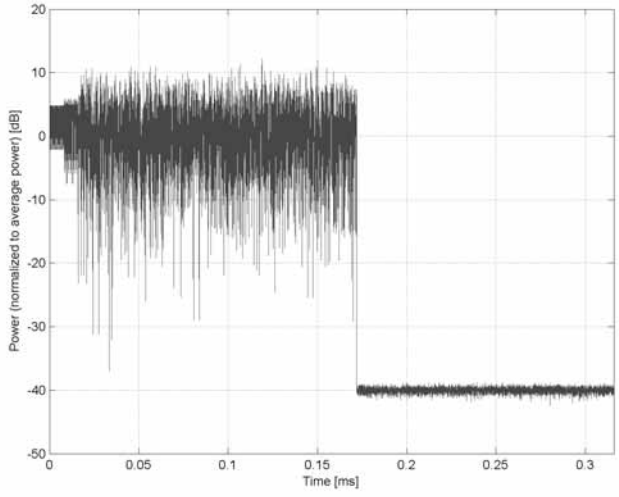
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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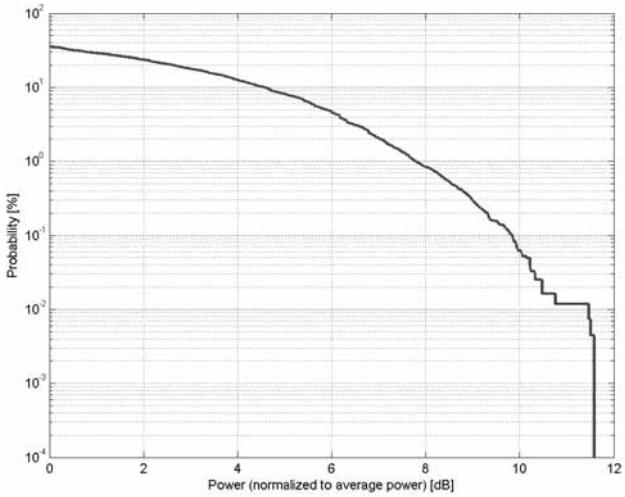
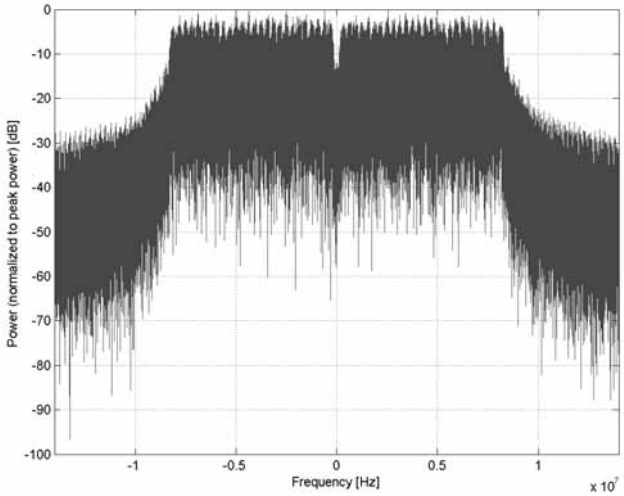
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)**
Group:	WLAN
UID:	10071-CAB
PAR: [1]	**9.83 dB**
MIF: [2]	**-2.40 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 9 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 1 Coded bits per OFDM symbol: 48 Data bits per OFDM symbol: 36 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.7 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

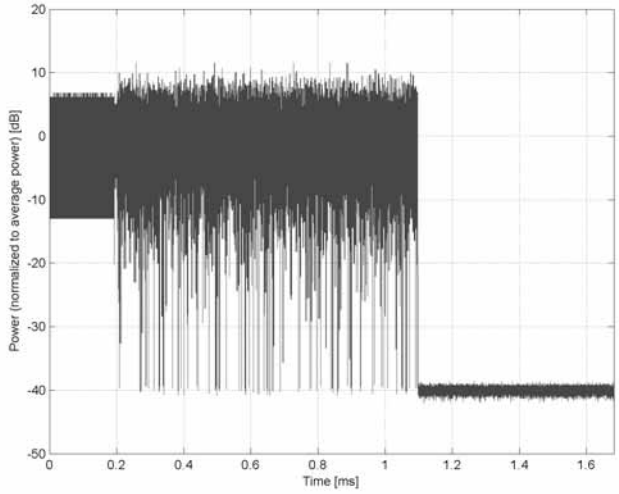
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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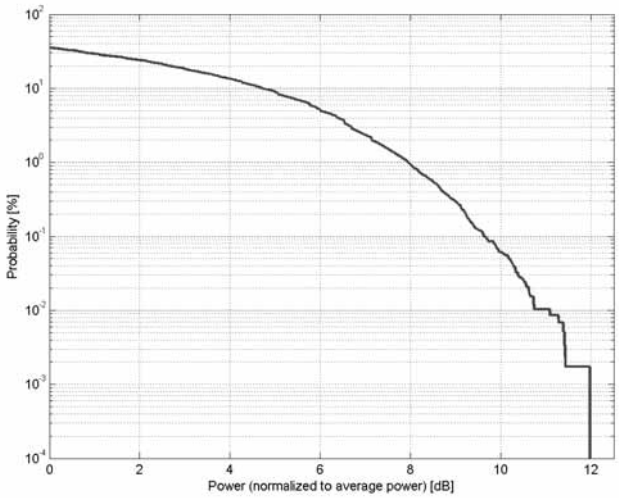
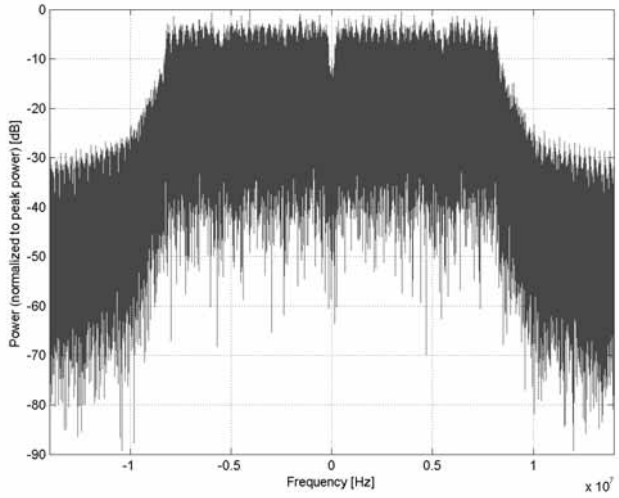
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)**
Group:	WLAN
UID:	10072-CAB
PAR: [1]	**9.62 dB**
MIF: [2]	**-1.88 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 12 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 2 Coded bits per OFDM symbol: 96 Data bits per OFDM symbol: 48 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.5 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

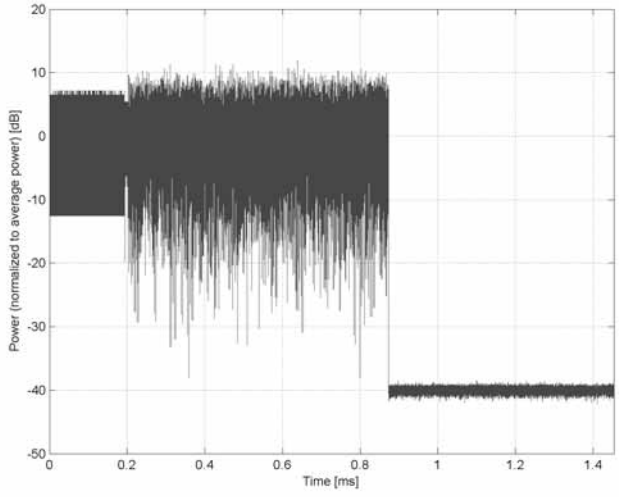
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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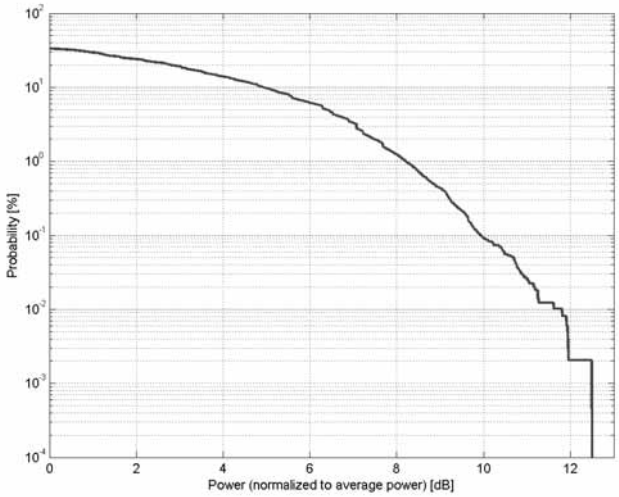
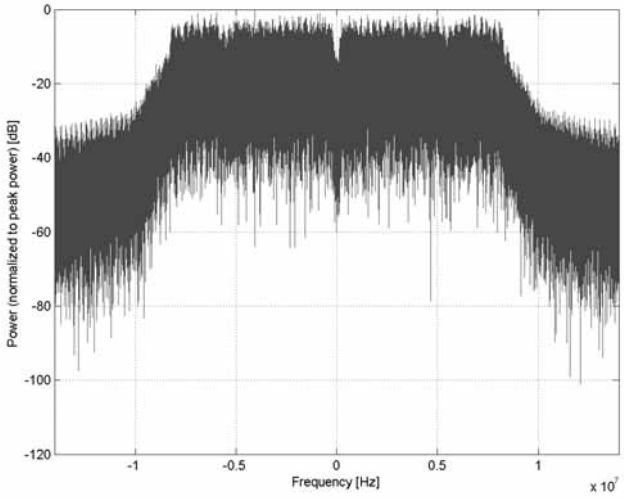
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)**
Group:	WLAN
UID:	10073-CAB
PAR: [1]	**9.94 dB**
MIF: [2]	**-1.22 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 18 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 2 Coded bits per OFDM symbol: 96 Data bits per OFDM symbol: 72 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.2 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

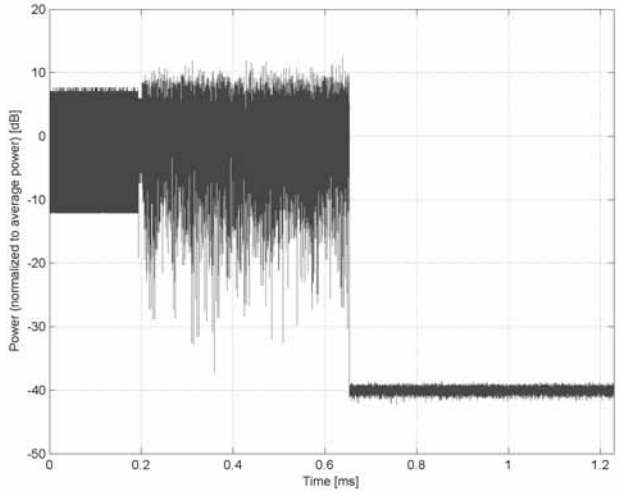
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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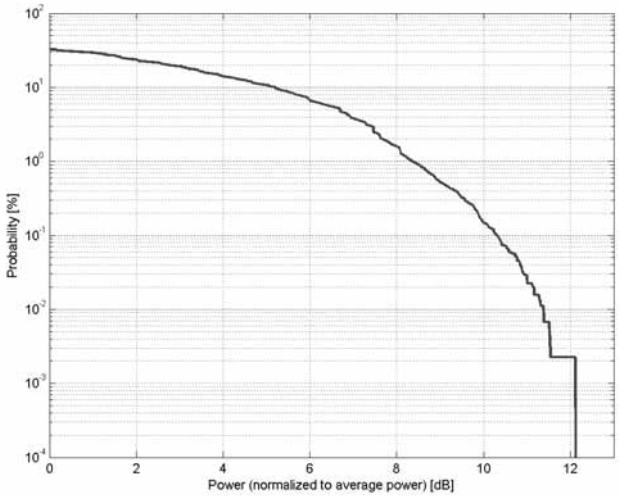
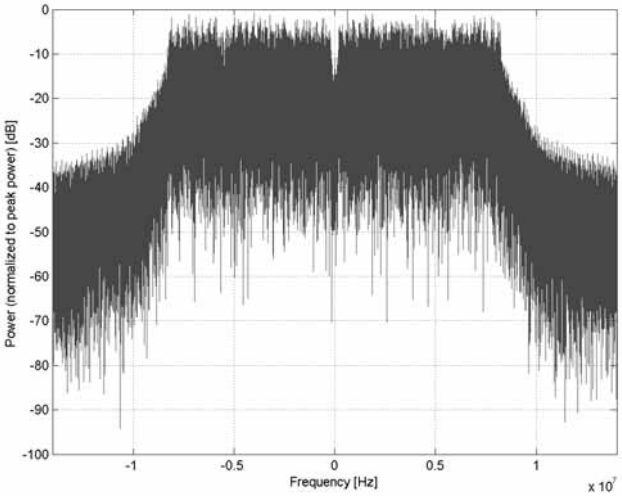
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)**
Group:	WLAN
UID:	10074-CAB
PAR: [1]	**10.30 dB**
MIF: [2]	**-0.80 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 24 Mbps Coding Rate: 1/2 Coded bits per subcarrier: 4 Coded bits per OFDM symbol: 192 Data bits per OFDM symbol: 96 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.1 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

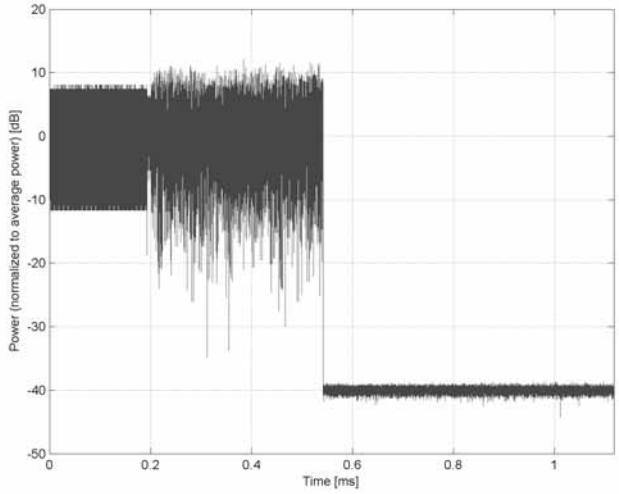
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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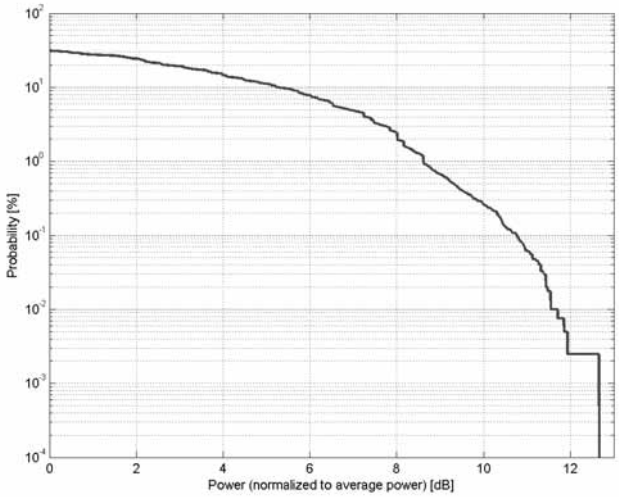
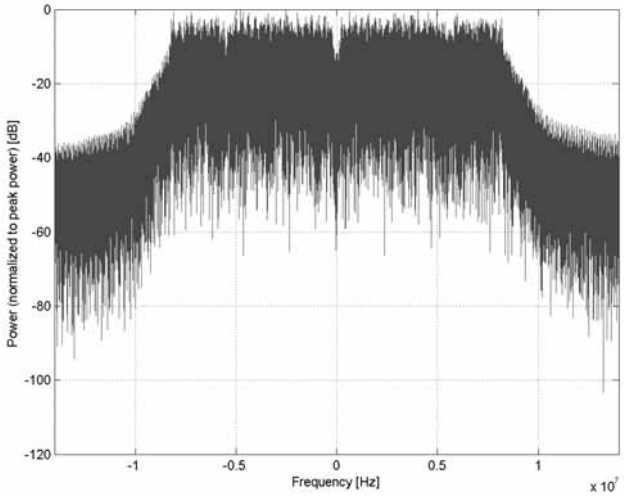
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)**
Group:	WLAN
UID:	10075-CAB
PAR: [1]	**10.77 dB**
MIF: [2]	**-0.29 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 36 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 4 Coded bits per OFDM symbol: 192 Data bits per OFDM symbol: 144 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	1.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

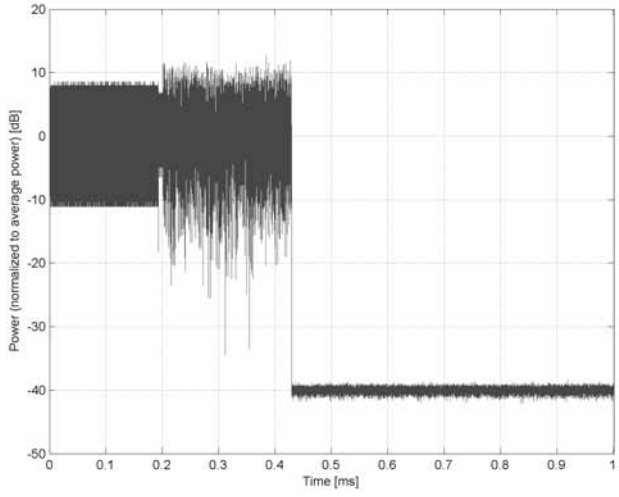
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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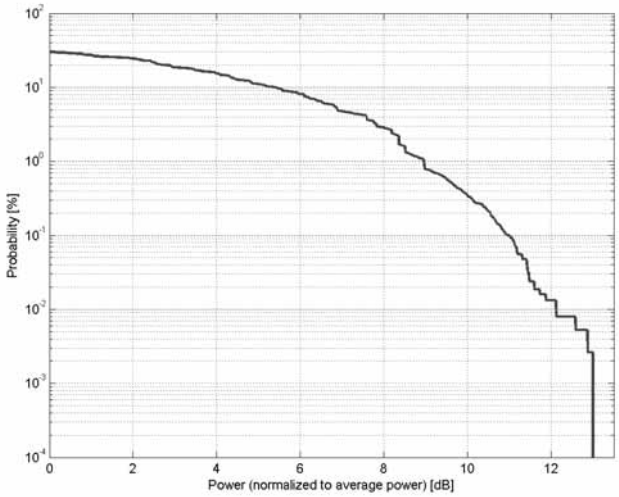
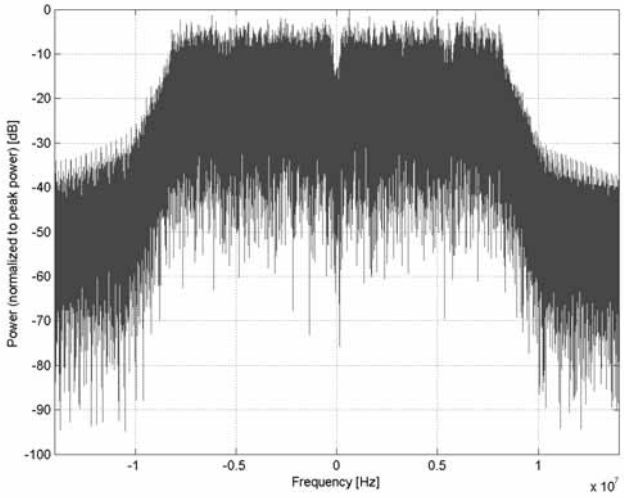
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)**
Group:	WLAN
UID:	10076-CAB
PAR: [1]	**10.94 dB**
MIF: [2]	**0.02 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 48 Mbps Coding Rate: 2/3 Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 192 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.9 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

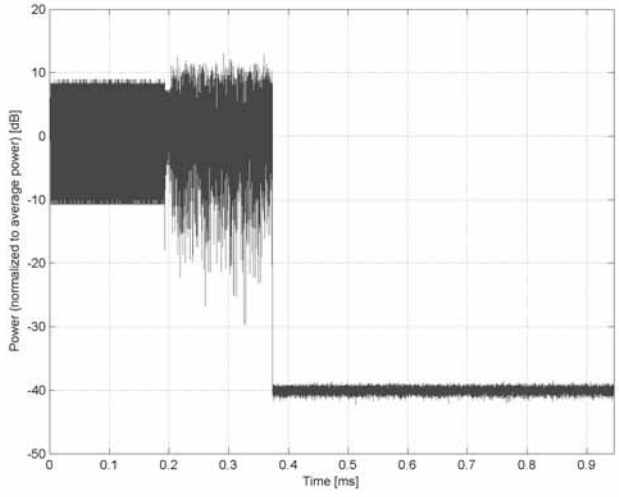
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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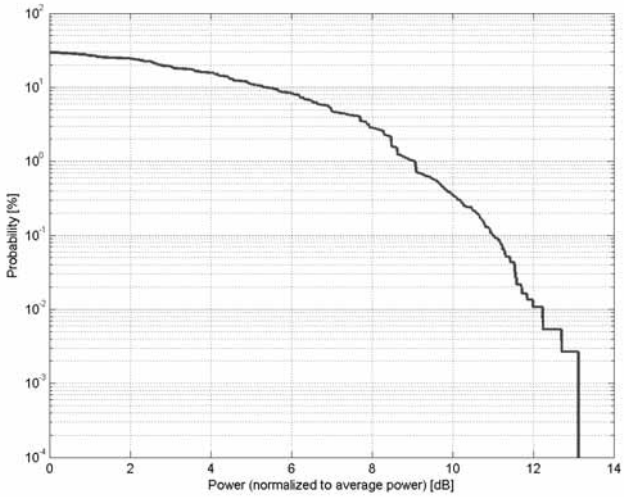
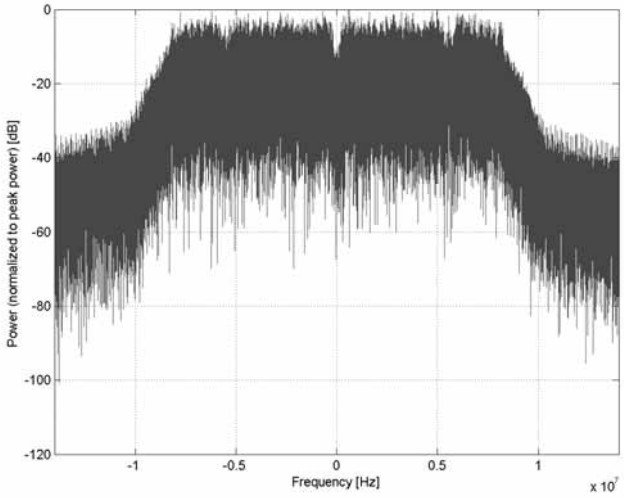
Name:	**IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)**
Group:	WLAN
UID:	10077-CAB
PAR: [1]	**11.00 dB**
MIF: [2]	**0.12 dB**
Standard Reference:	IEEE 802.11g-2003 , Part 11 FCC SAR meas for 802 11 a b g v01r02 (248227 D01)
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)
Detailed Specification:	Data Rate: 54 Mbps Coding Rate: 3/4 Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 216 PSDU Length: 1000 Bytes PSDU Data: PN9
Bandwidth:	20.0 MHz
Integration Time:	0.9 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

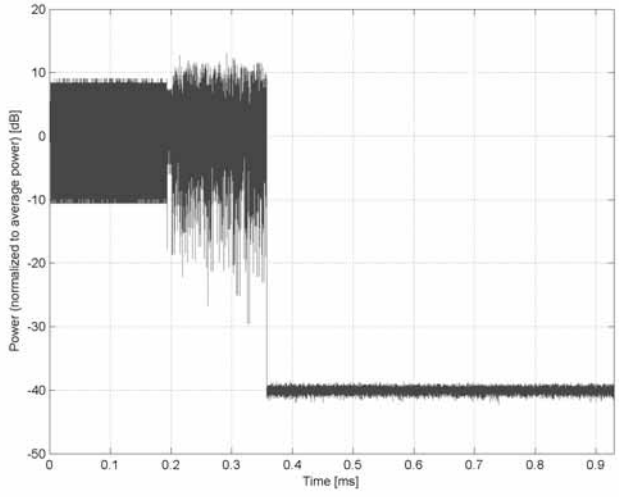
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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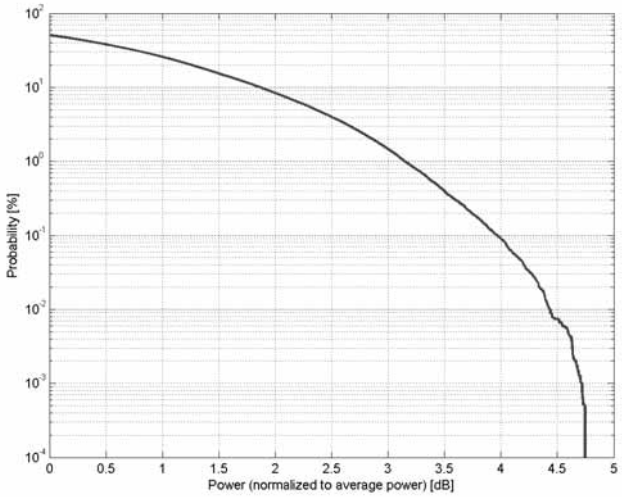
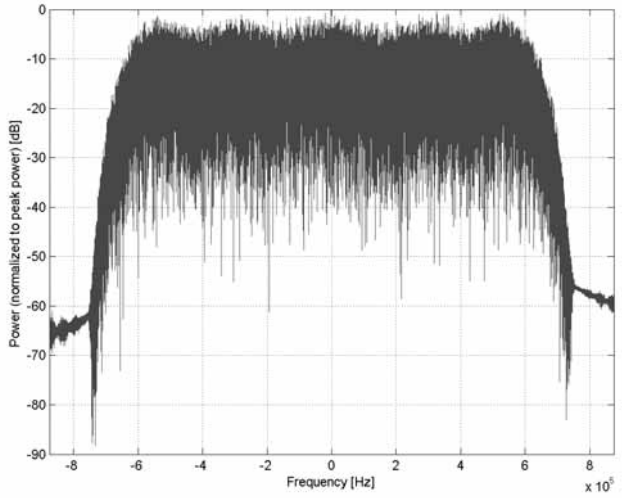
Name:	**CDMA2000 (1xRTT, RC3)**
Group:	CDMA2000
UID:	10081-CAB
PAR: [1]	**3.97 dB**
MIF: [2]	**-19.71 dB**
Standard Reference:	3GPP2 C.S0002-C-1, Chapter 2.1.3.9.2.3 FCC OET KDB 941225 D01 SAR test for 3G devices (v02)
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	Band Class 0 (815.0-849.0 MHz, 20220) Band Class 1 (1850.0-1910.0 MHz, 20040) Band Class 2 (872.0-915.0 MHz, 20041) Band Class 3 (887.0-925.0 MHz, 20042) Band Class 4 (1750.0-1780.0 MHz, 20043) Band Class 5 (411.7-483.5 MHz, 20044) Band Class 6 (1920.0-1980.0 MHz, 20045) Band Class 7 (776.0-794.0 MHz, 20046) Band Class 8 (1710.0-1785.0 MHz, 20047) Band Class 9 (880.0-915.0 MHz, 20048) Band Class 10 (806.0-901.0 MHz, 20049) Band Class 11 (410.0-462.5 MHz, 20050) Band Class 12 (870.0-876.0 MHz, 20051) Band Class 13 (2500.0-2570.0 MHz, 20179) Band Class 14 (1850.0-1915.0 MHz, 20180) Band Class 15 (1710.0-1755.0 MHz, 20181) Band Class 16 (2502.0-2568.0 MHz, 20182) Band Class 18 (787.0-799.0 MHz, 20184) Band Class 19 (698.0-716.0 MHz, 20185) Band Class 20 (1626.5-1660.5 MHz, 20186) Band Class 21 (2000.0-2020.0 MHz, 20187)
Detailed Specification:	Radio Configurations 3 (RC3) Output Slot: PICH, FCH 9.6 kpbs R-PITCH: Walsh Code 0, Code Power: -5.278 dB, Data Rate: N/A, Data: All ”0” R-FCH: Walsh Code 4, Code Power -1.528 dB, Data Rate 9.6kpbs, Data: PN9fix
Bandwidth:	1.2 MHz
Integration Time:	80.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 ”‘Measurement of the Peak-to-Average Power Ratio (PAPR)”’

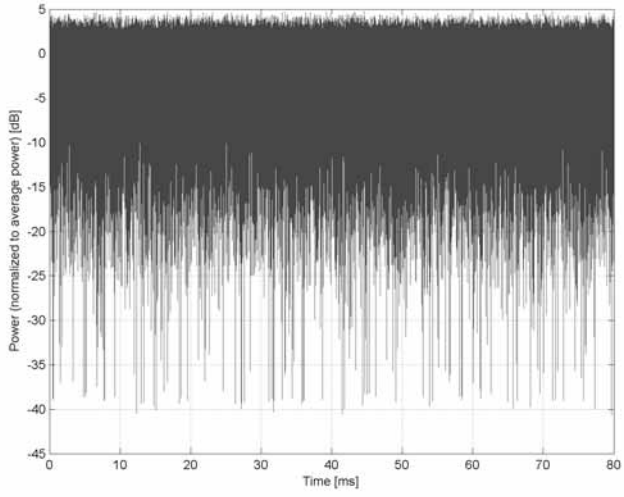
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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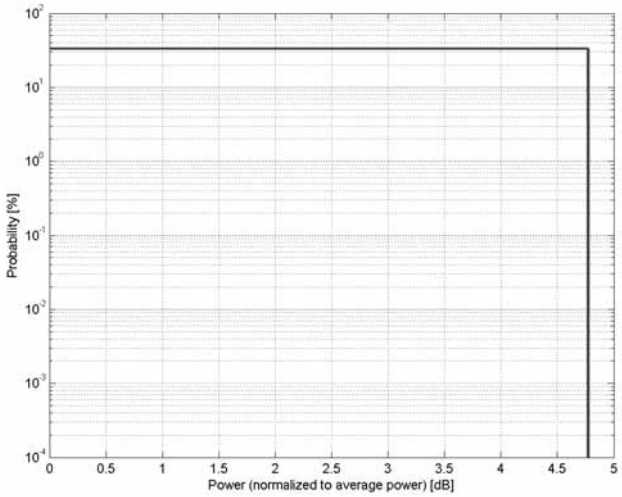
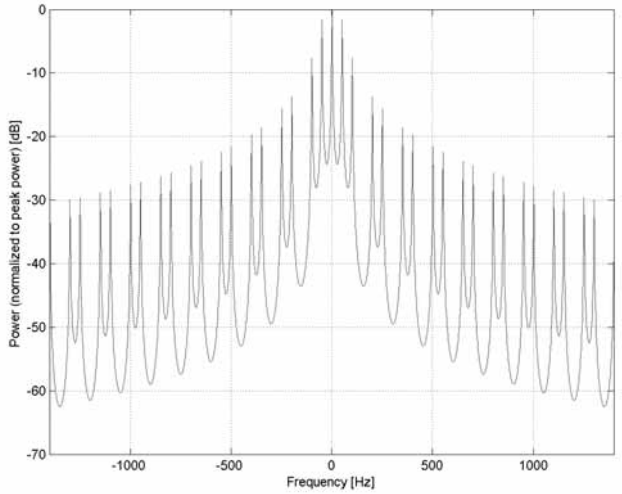
Name:	**IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)**
Group:	AMPS
UID:	10082-CAB
PAR: [1]	**4.77 dB**
MIF: [2]	**-2.91 dB**
Standard Reference:	TIA/EIA-136-110-B
Category:	
Modulation:	Pi/4-DQPSK
Frequency Band:	IS-136, 800MHz, 30kHz (824.0-849.0 MHz, 20222) IS-136, 800MHz, 200kHz (824.0-849.0 MHz, 20223) IS-136, 1900MHz, 30kHz (1850.0-1910.0 MHz, 20224) IS-136, 1900MHz, 200kHz (1850.0-1910.0 MHz, 20225) IS-136, 1900MHz, 30kHz (1920.0-1980.0 MHz, 20226) IS-136, 1900MHz, 200kHz (1920.0-1980.0 MHz, 20227) IS-136, 700MHz, 30kHz (747.0-762.0 MHz, 20228) IS-136, 700MHz, 200kHz (747.0-762.0 MHz, 20229)
Detailed Specification:	D-AMPS Multiple Access Method: TDMA/FDM Channel Spacing/Bandwidth: 30 kHz / 200 kHz Channel Bit Rate: 48.6 kbit/s Spectrum Efficiency: 1.62 bit/s/Hz Active Channels: 1 of 3 (Fullrate Channels)
Bandwidth:	0.0 MHz
Integration Time:	20.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

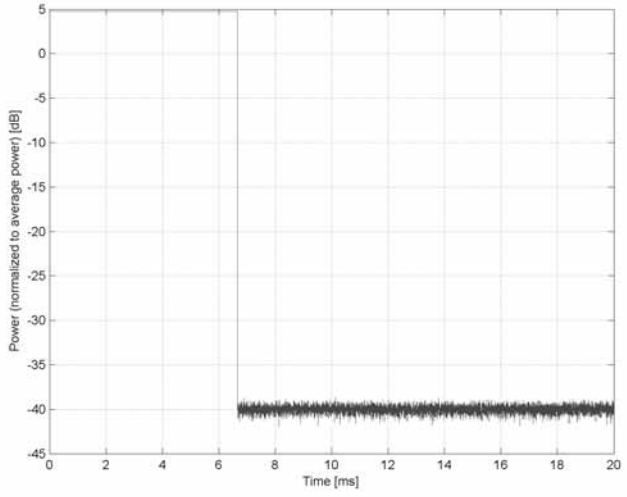
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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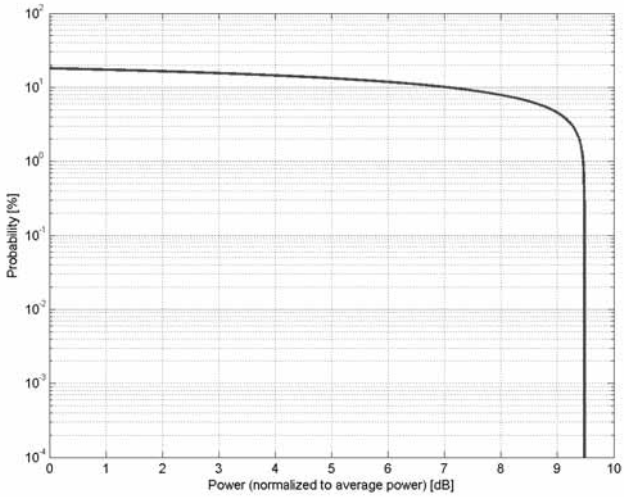
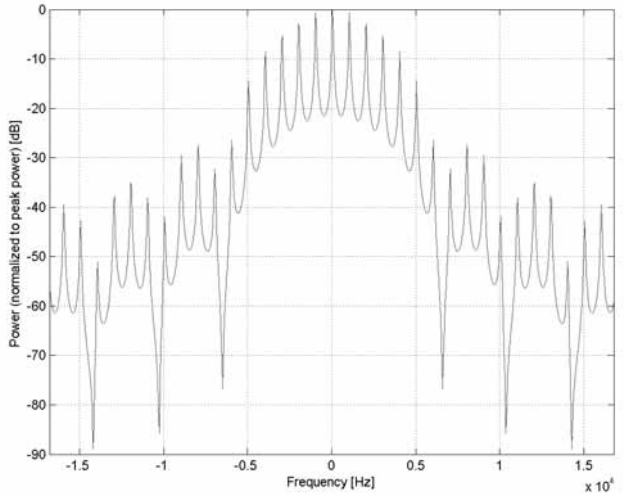
Name:	**FSE MRI sequence (pi Sinc, 1ms, 0.25 ms)**
Group:	MRI
UID:	10084-DAC
PAR: [1]	**9.48 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Calibration Sequence for Fast Spin Echo Pulse Shape: Sinc +/- Pi Repetition Rate: 1 kHz Duty Cycle: 25%
Bandwidth:	0.0 MHz
Integration Time:	1.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

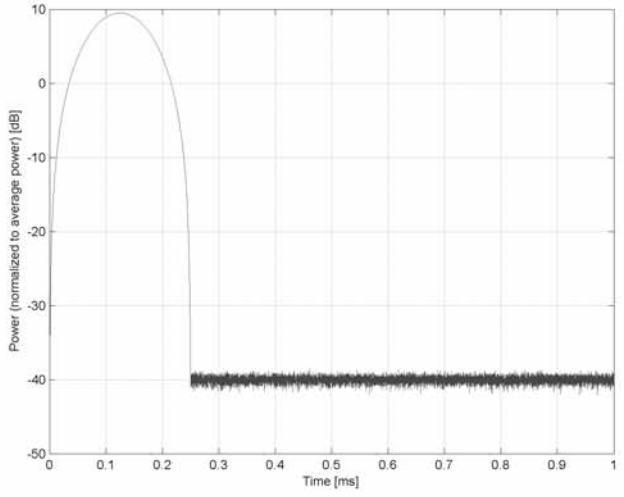
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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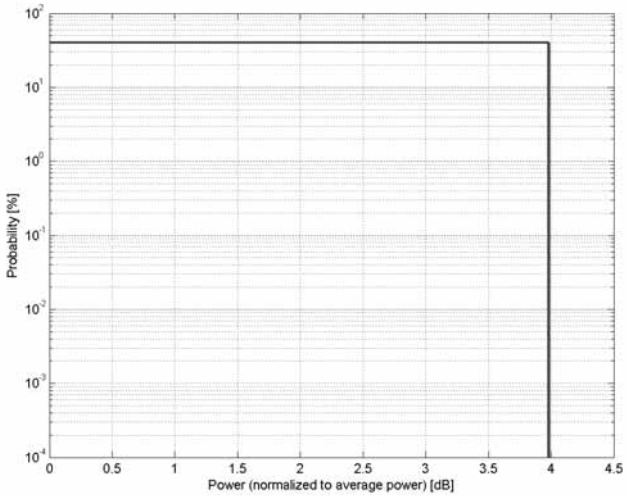
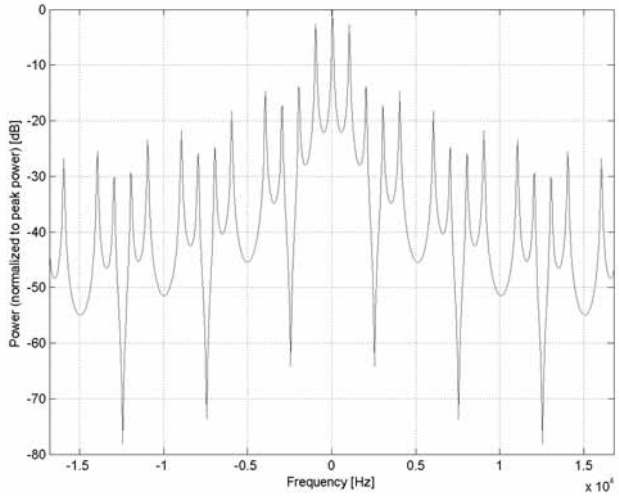
Name:	**MRI (Square, 1ms, 0.4ms)**
Group:	MRI
UID:	10089-CAC
PAR: [1]	**3.98 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Custom Calibration Sequence Pulse Shape: rectangular Repetition Rate: 1 kHz Duty Cycle: 40%
Bandwidth:	0.0 MHz
Integration Time:	1.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

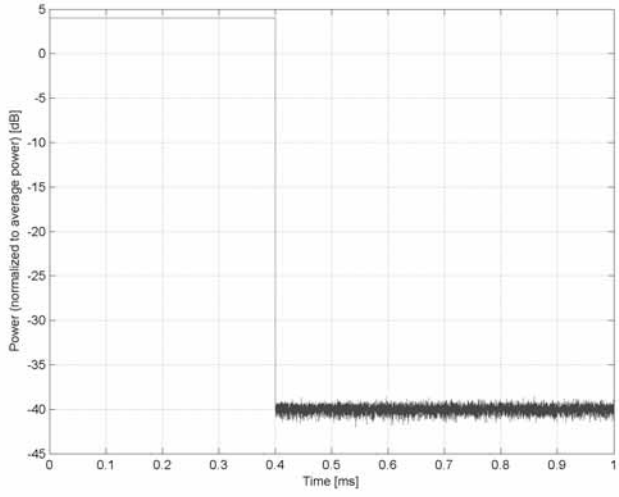
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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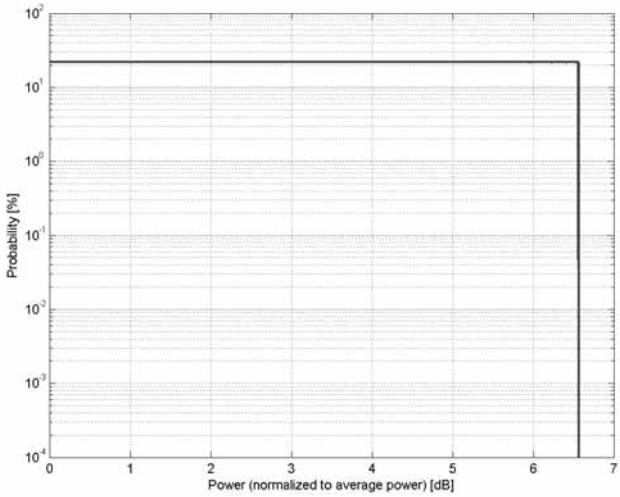
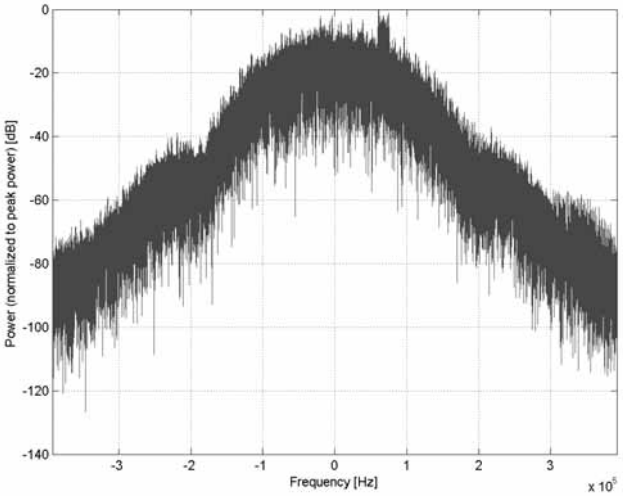
Name:	**GPRS-FDD (TDMA, GMSK, TN 0-4)**
Group:	GSM
UID:	10090-DAC
PAR: [1]	**6.56 dB**
MIF: [2]	**1.81 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	GMSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN4 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

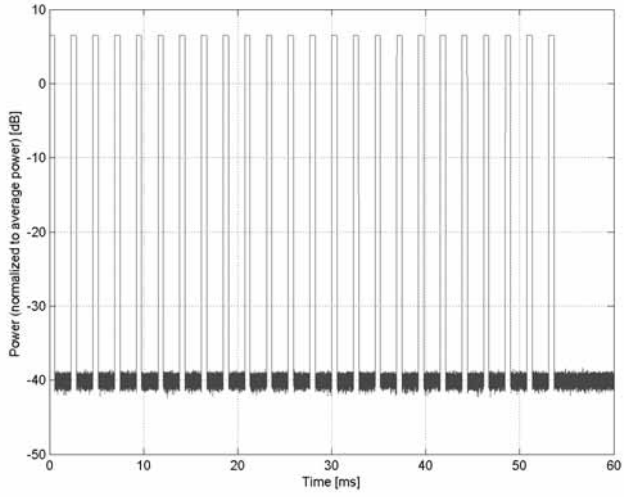
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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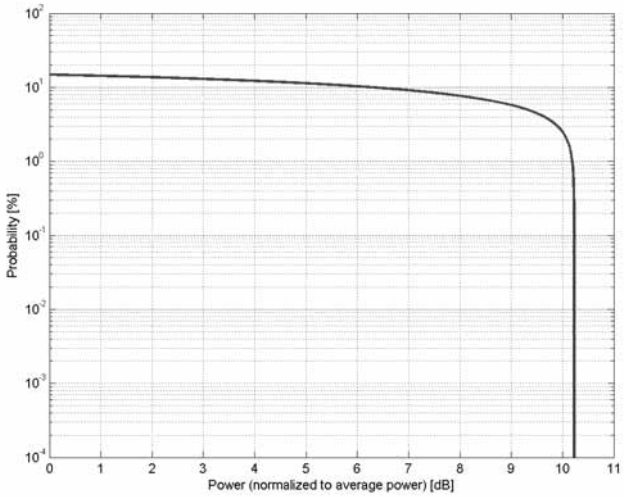
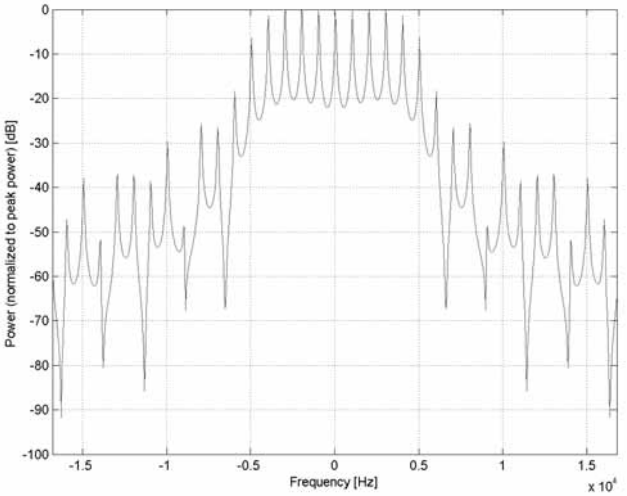
Name:	**MITS (2pi Sinc, 1ms, 0.4ms)**
Group:	MRI
UID:	10091-CAC
PAR: [1]	**10.22 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Calibration Sequence for Medical Implant Test System (MITS) Pulse Shape: Sinc +/- 2 Pi Repetition Rate: 1 kHz Duty Cycle: 40%
Bandwidth:	0.0 MHz
Integration Time:	1.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

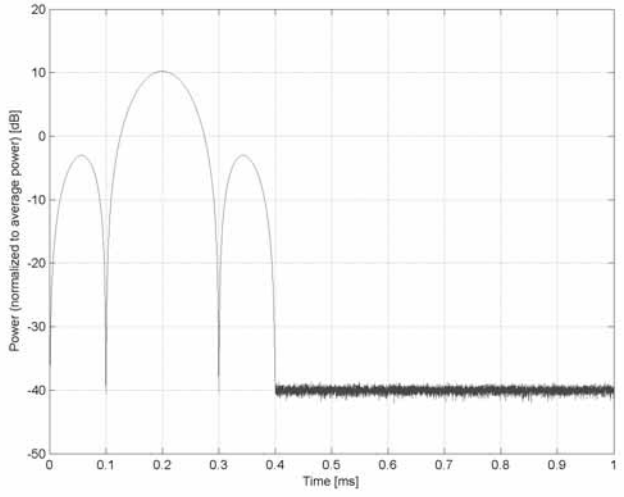
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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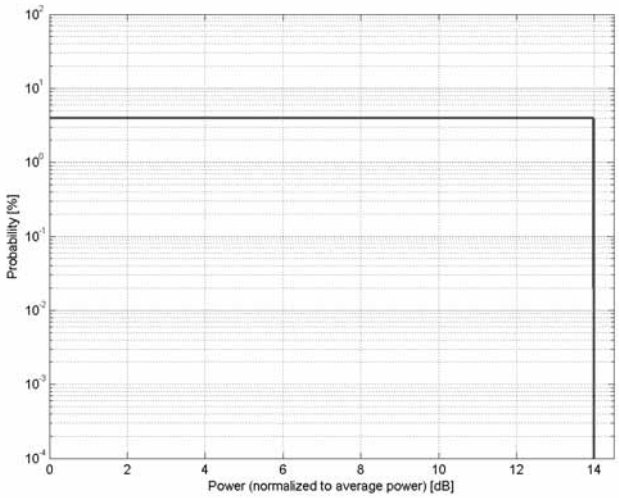
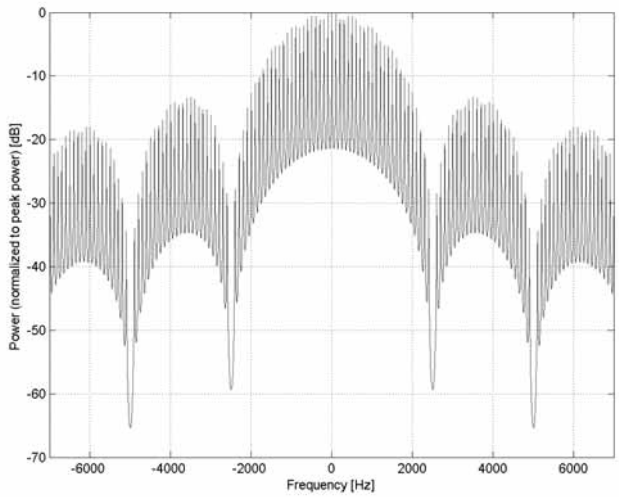
Name:	**MRI (Square, 10ms, 0.4ms)**
Group:	MRI
UID:	10093-CAC
PAR: [1]	**13.98 dB**
MIF: [2]	**-99.00 dB**
Standard Reference:	SPEAG
Category:	Periodic pulsed modulation
Modulation:	AM
Frequency Band:	MRI 1.5T (59.0 - 69.0 MHz) MRI 3T (123.0 - 133.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Calibration Sequence for Medical Implant Test System (MITS) Pulse Shape: rectangular Repetition Rate: 100 Hz Duty Cycle: 4%
Bandwidth:	0.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

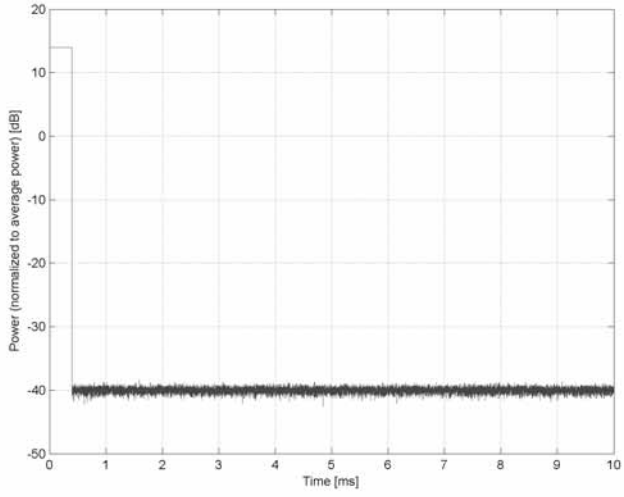
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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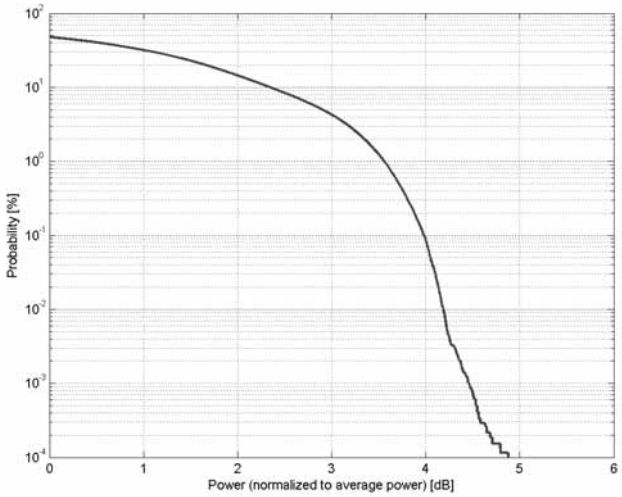
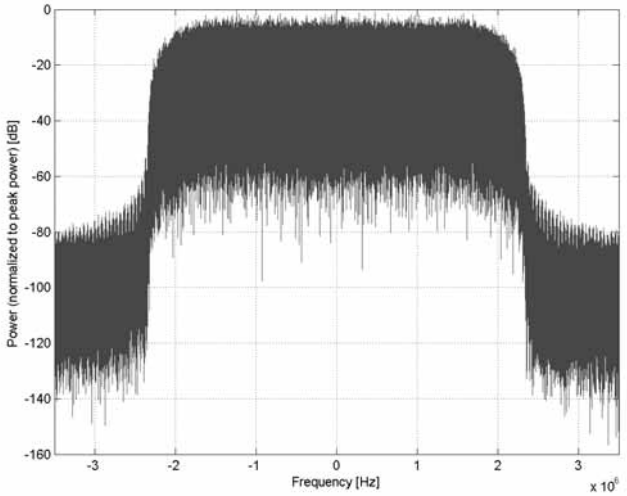
Name:	**UMTS-FDD (HSDPA)**
Group:	WCDMA
UID:	10097-CAC
PAR: [1]	**3.98 dB**
MIF: [2]	**-20.75 dB**
Standard Reference:	ETSI-3GPP TS 134.121 Rel. 5 FCC OET KDB 941225 D01 SAR test for 3G devices v02
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1452.9 MHz) Band 12 (698.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	CQI value: 2 Sub-test 2 Conditions: DPCCH gain factor (Beta_c) = 12/15 DPDCH gain factor (Beta_d): 15/15
Bandwidth:	5.0 MHz
Integration Time:	100.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

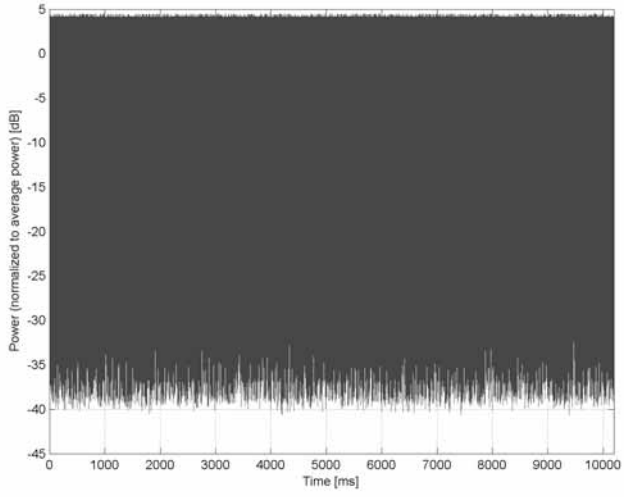
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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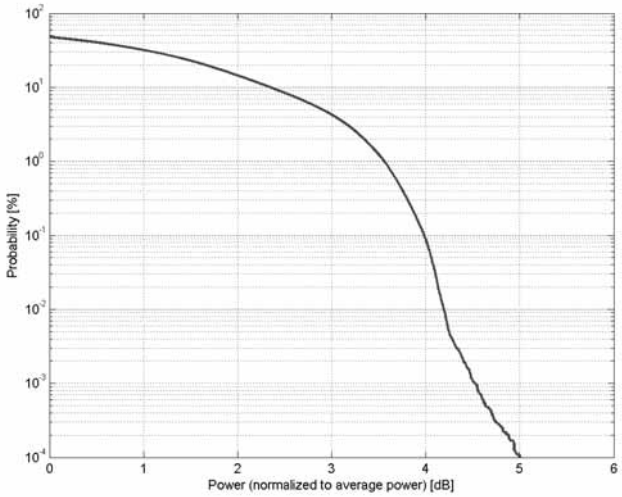
Zeughausstrasse 43, 8004 Zurich, Switzerland

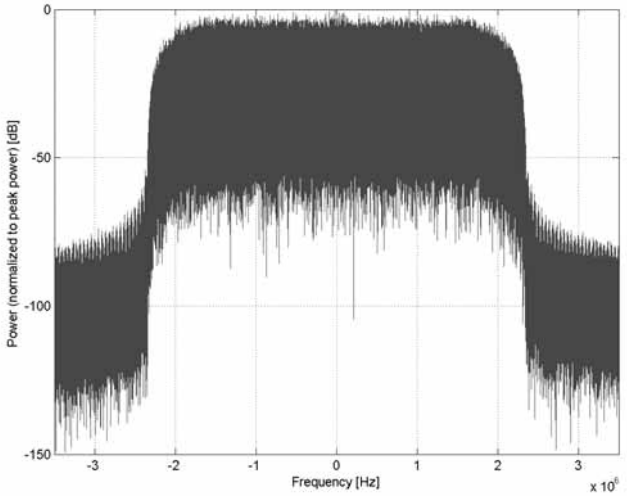
Name:	**UMTS-FDD (HSUPA, Subtest 2)**
Group:	WCDMA
UID:	10098-CAC
PAR: [1]	**3.98 dB**
MIF: [2]	**-20.75 dB**
Standard Reference:	3GPP Rel 5 TS34.121
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1452.9 MHz) Band 12 (698.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	12.2 kbps RMC, FRC H-Set 1 CQI value: 2 Sub-test 2 Conditions: DPCCH gain factor (Beta_c) = 12/15 DPDCH gain factor (Beta_d): 15/15
Bandwidth:	5.0 MHz
Integration Time:	100.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

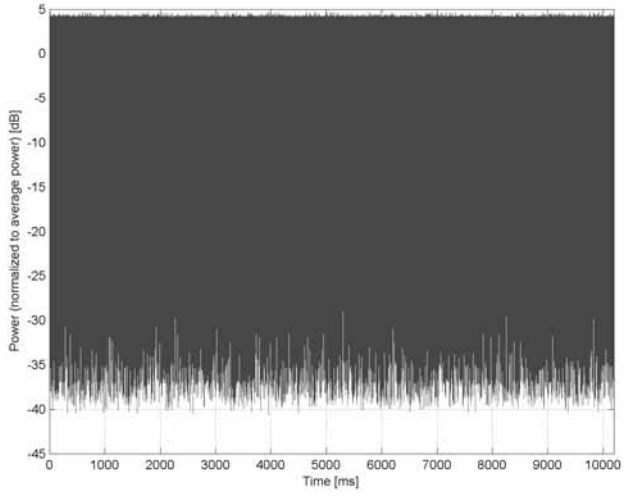
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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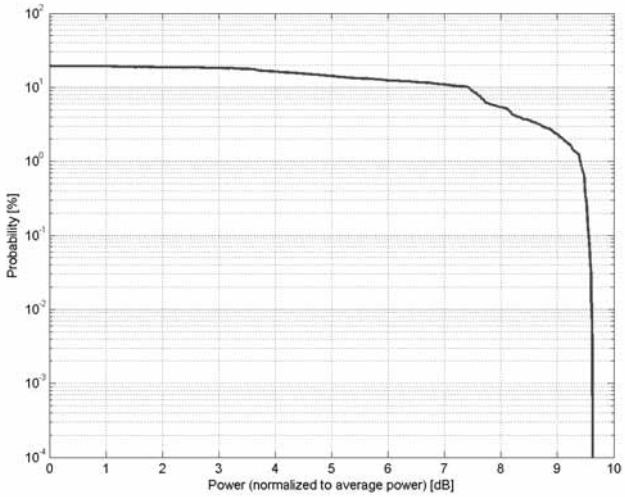
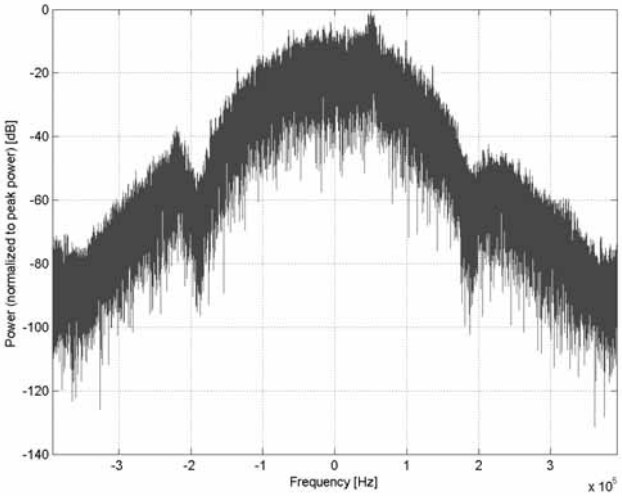
Name:	**EDGE-FDD (TDMA, 8PSK, TN 0-4)**
Group:	GSM
UID:	10099-DAC
PAR: [1]	**9.55 dB**
MIF: [2]	**1.88 dB**
Standard Reference:	ETSI TS 100 909 V8.9.0 (2005-01) FCC OET KDB 941225, D03 and D04
Category:	Periodic pulsed modulation
Modulation:	8PSK
Frequency Band:	GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Active Slots: TN0, TN4 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for 8PSK
Bandwidth:	0.2 MHz
Integration Time:	60.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

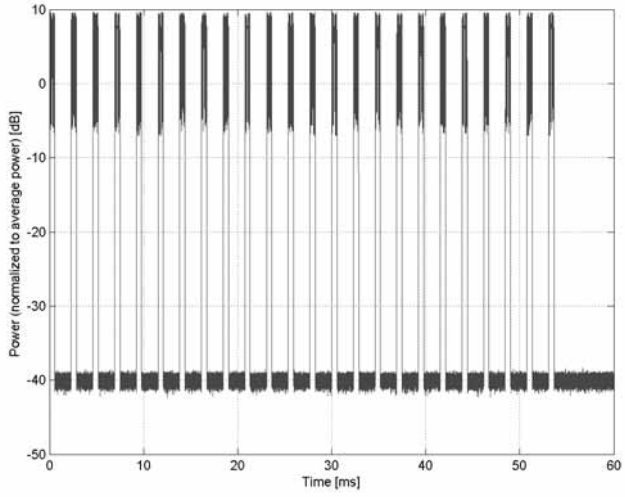
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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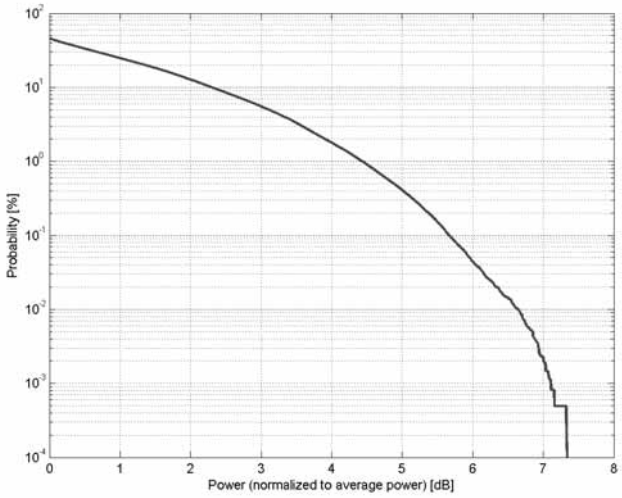
Zeughausstrasse 43, 8004 Zurich, Switzerland

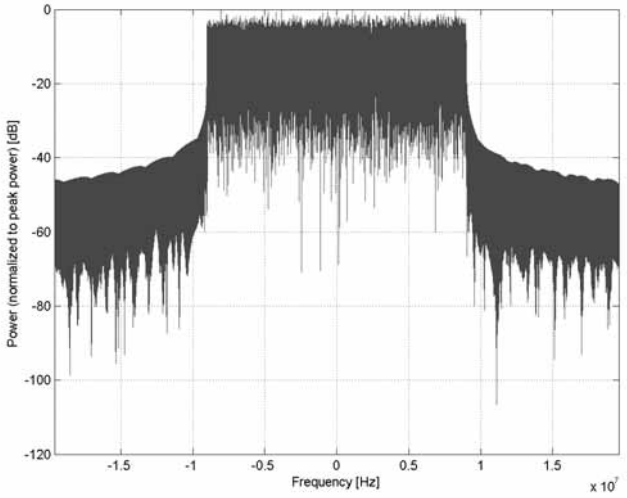
Name:	**LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)**
Group:	LTE-FDD
UID:	10100-CAF
PAR: [1]	**5.67 dB**
MIF: [2]	**-23.48 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 100 Transport Block Size: 8760 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

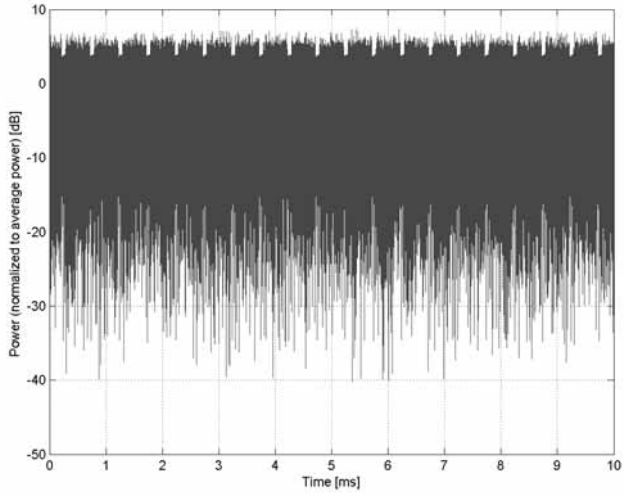
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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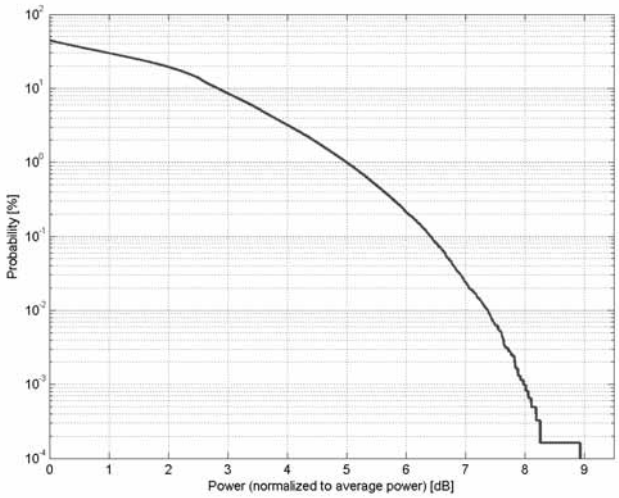
Zeughausstrasse 43, 8004 Zurich, Switzerland

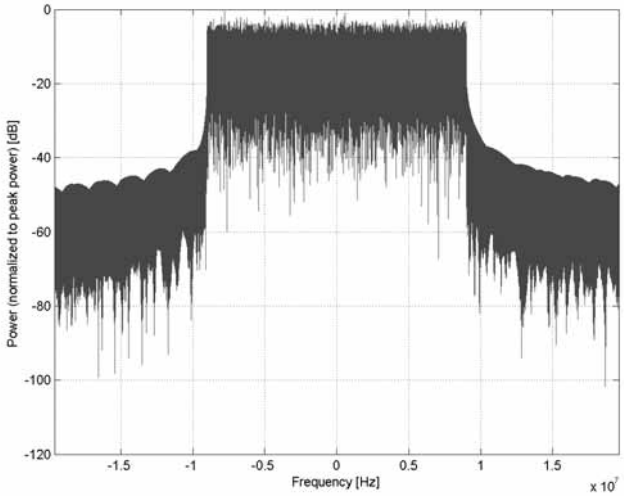
Name:	**LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10101-CAF
PAR: [1]	**6.42 dB**
MIF: [2]	**-17.86 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16-QAM Data Type: UL-SCH Number RB: 100 Transport Block Size: 28336 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

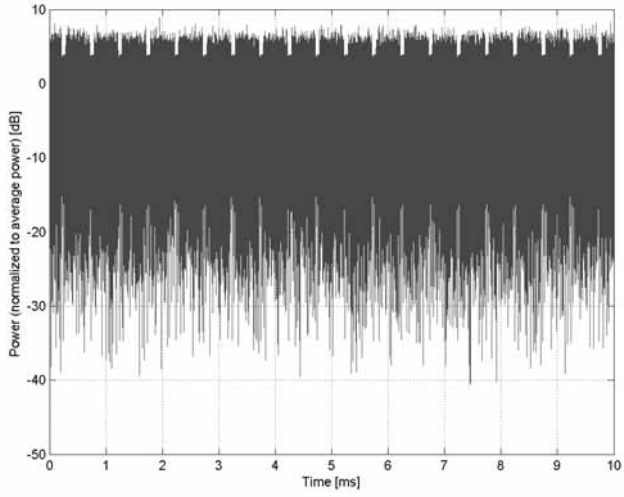
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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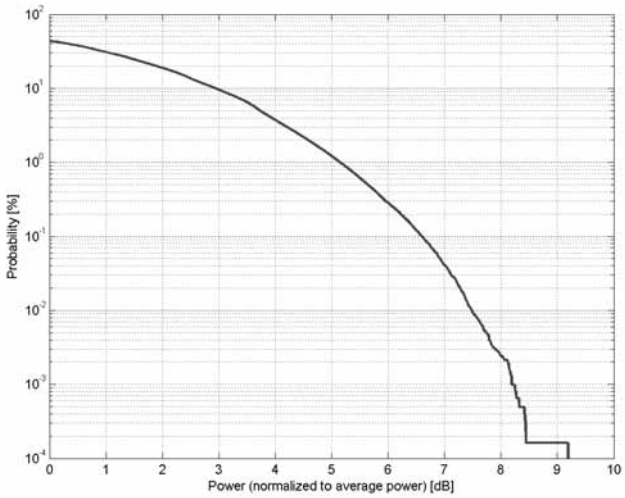
Zeughausstrasse 43, 8004 Zurich, Switzerland

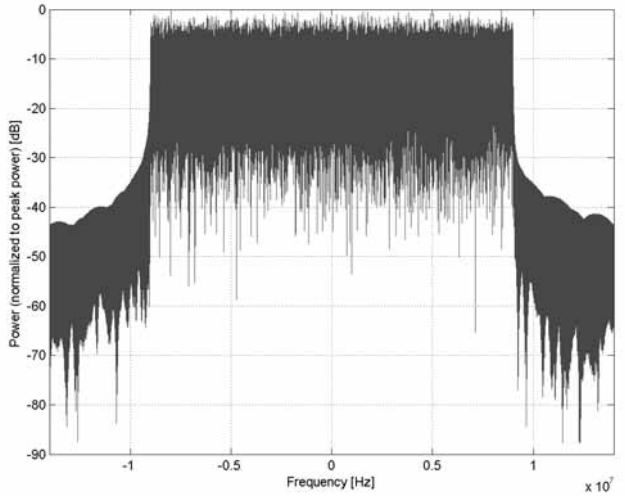
Name:	**LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10102-CAF
PAR: [1]	**6.60 dB**
MIF: [2]	**-17.05 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64-QAM Data Type: UL-SCH Number RB: 100 Transport Block Size: 57336 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

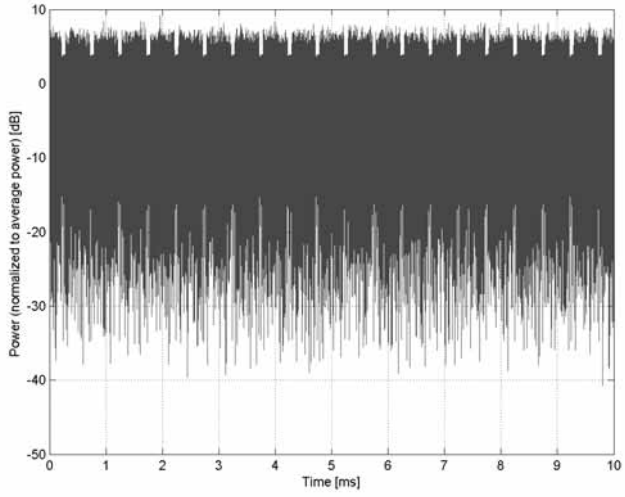
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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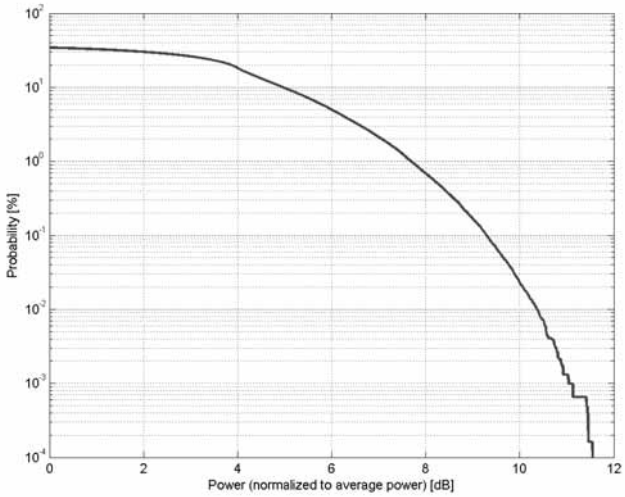
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

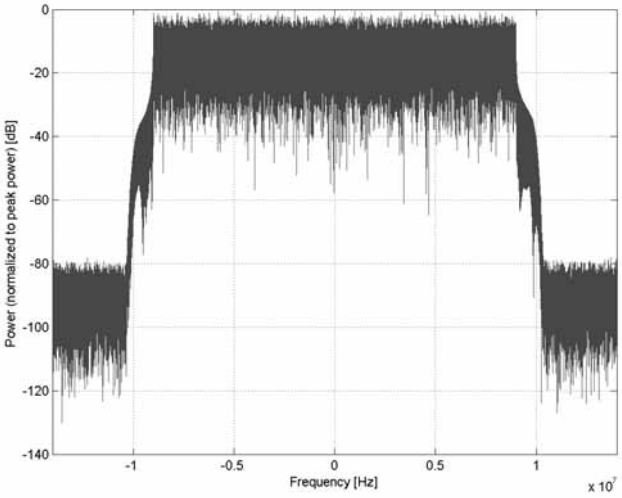
Name:	**LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)**
Group:	LTE-TDD
UID:	10103-CAH
PAR: [1]	**9.29 dB**
MIF: [2]	**-1.64 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: QPSK Allocated RB: 100 Start Number of RB: 0 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

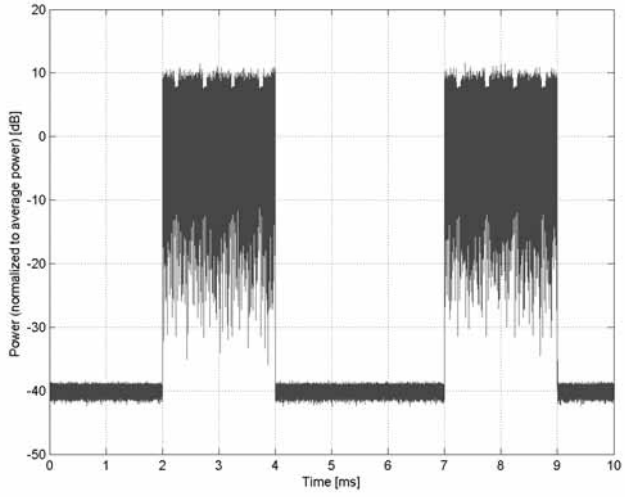
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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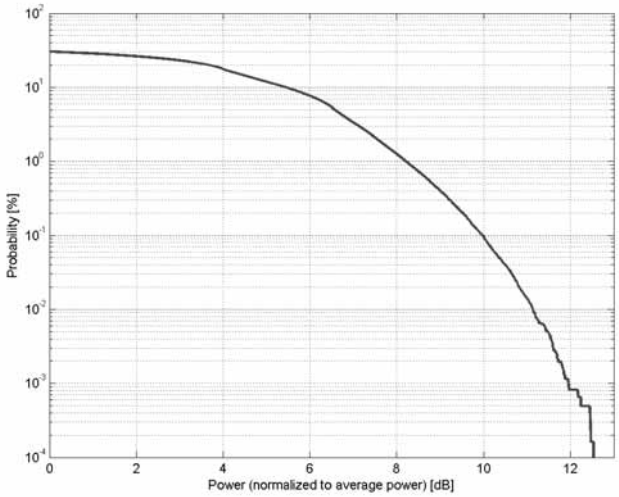
Zeughausstrasse 43, 8004 Zurich, Switzerland

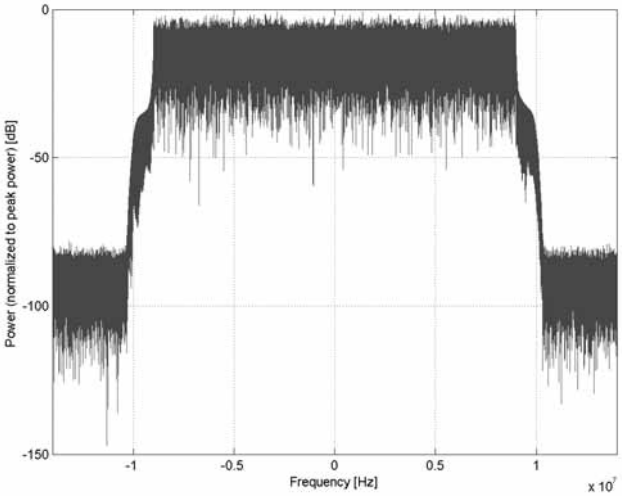
Name:	**LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)**
Group:	LTE-TDD
UID:	10104-CAH
PAR: [1]	**9.97 dB**
MIF: [2]	**-1.66 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 16QAM Allocated RB: 100 Start Number of RB: 0 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

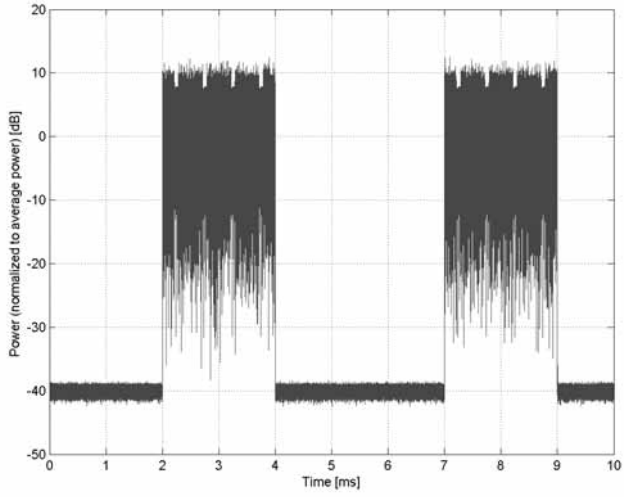
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



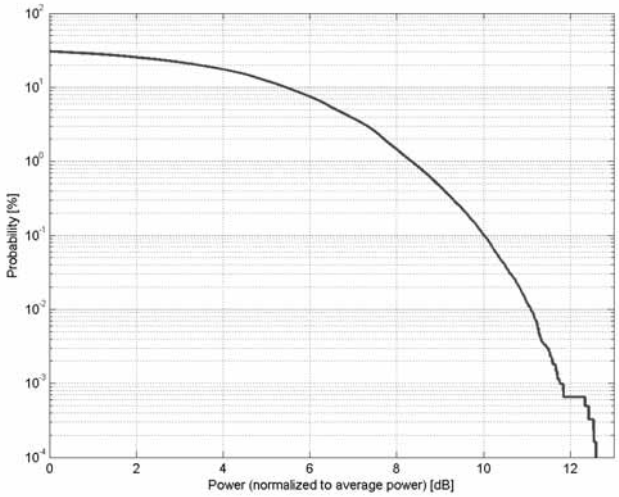
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

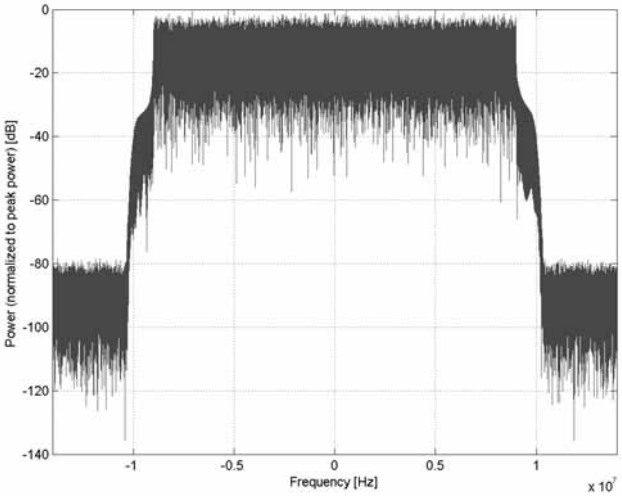
Name:	**LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)**
Group:	LTE-TDD
UID:	10105-CAH
PAR: [1]	**10.01 dB**
MIF: [2]	**-1.67 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 64QAM Allocated RB: 100 Start Number of RB: 0 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

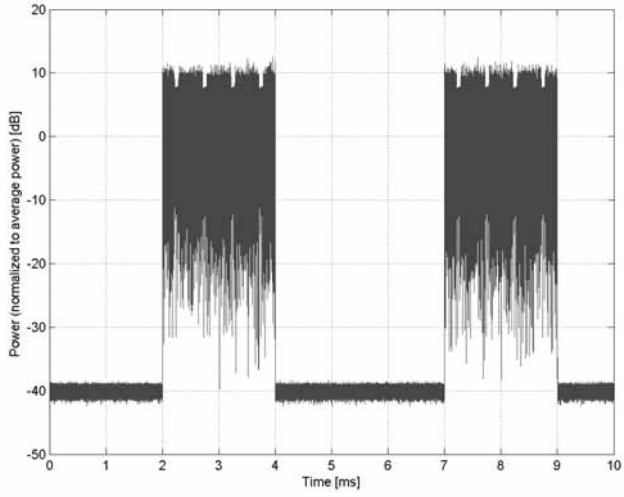
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



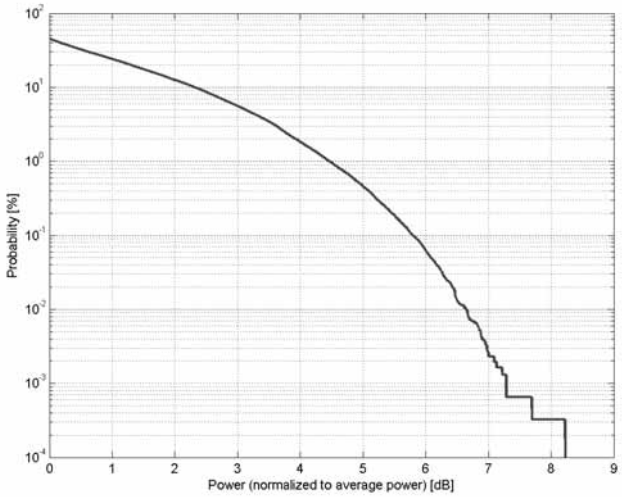
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

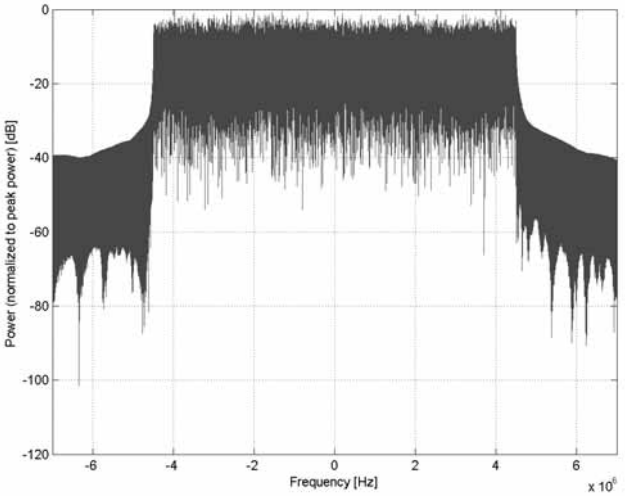
Name:	**LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)**
Group:	LTE-FDD
UID:	10108-CAH
PAR: [1]	**5.80 dB**
MIF: [2]	**-21.57 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 50 Transport Block Size: 4392 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

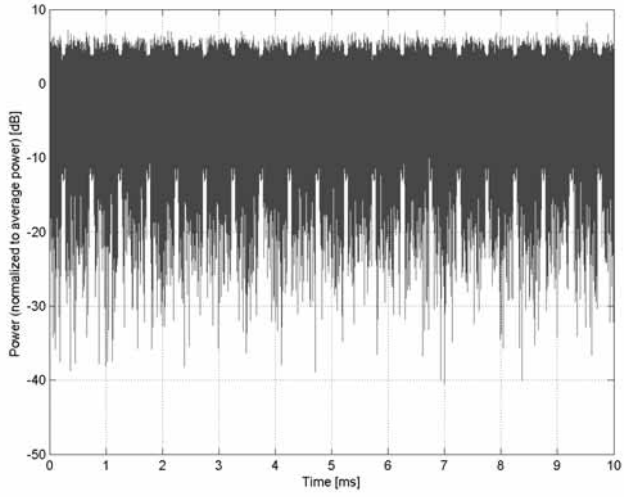
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



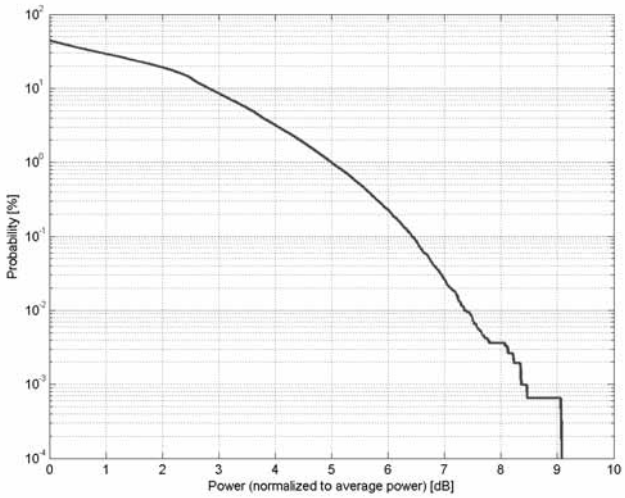
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

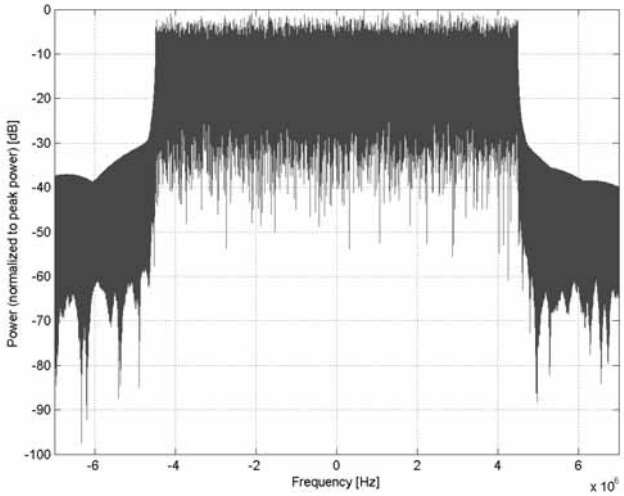
Name:	**LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10109-CAH
PAR: [1]	**6.43 dB**
MIF: [2]	**-16.87 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16-QAM Data Type: UL-SCH Number RB: 50 Transport Block Size: 14112 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

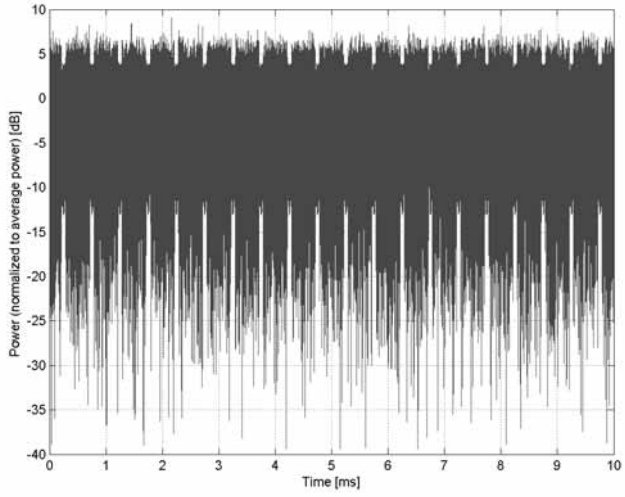
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



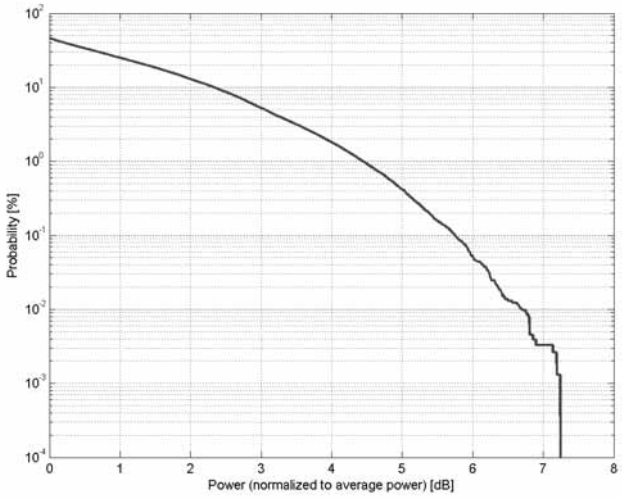
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

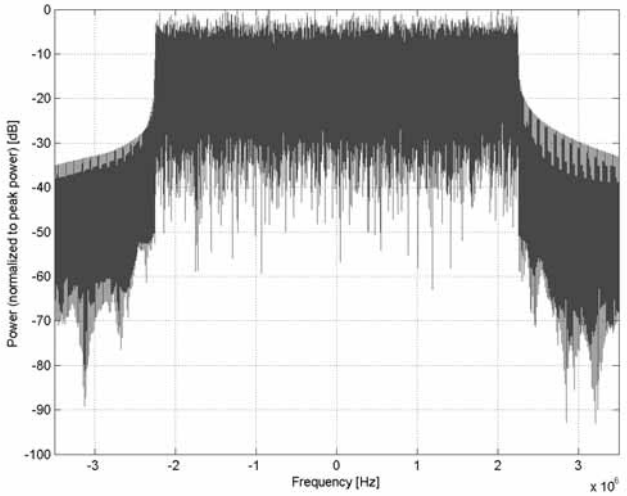
Name:	**LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)**
Group:	LTE-FDD
UID:	10110-CAH
PAR: [1]	**5.75 dB**
MIF: [2]	**-23.39 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 25 Transport Block Size: 2216 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

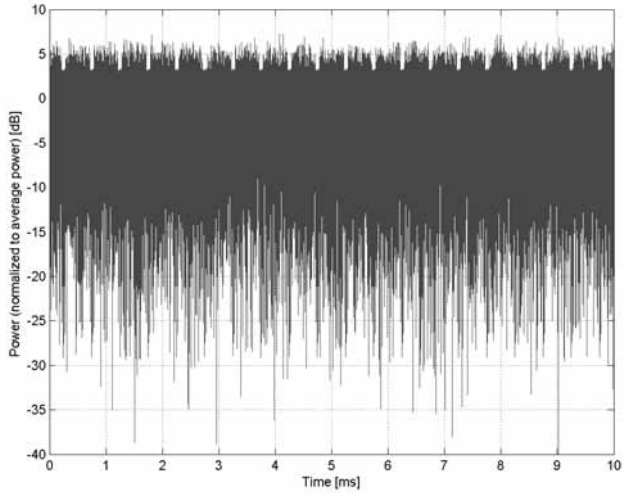
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



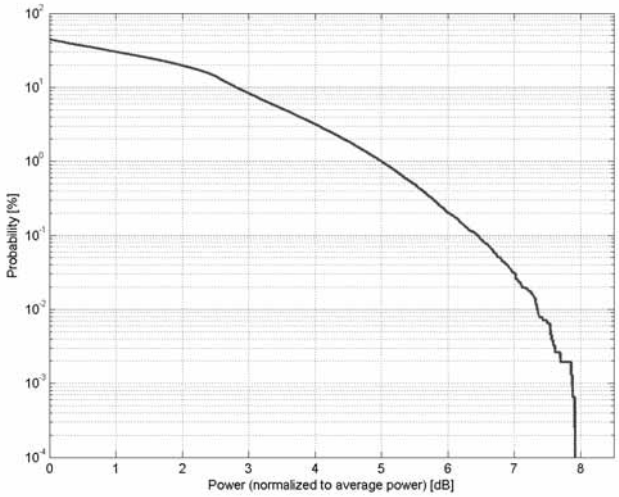
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

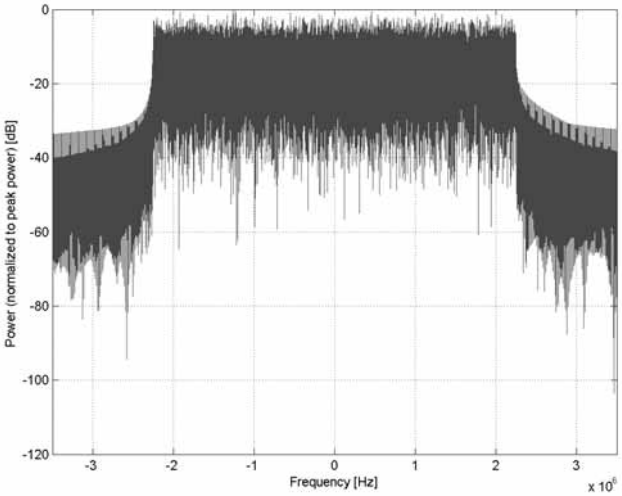
Name:	**LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10111-CAH
PAR: [1]	**6.44 dB**
MIF: [2]	**-16.35 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16-QAM Data Type: UL-SCH Number RB: 25 Transport Block Size: 7224 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

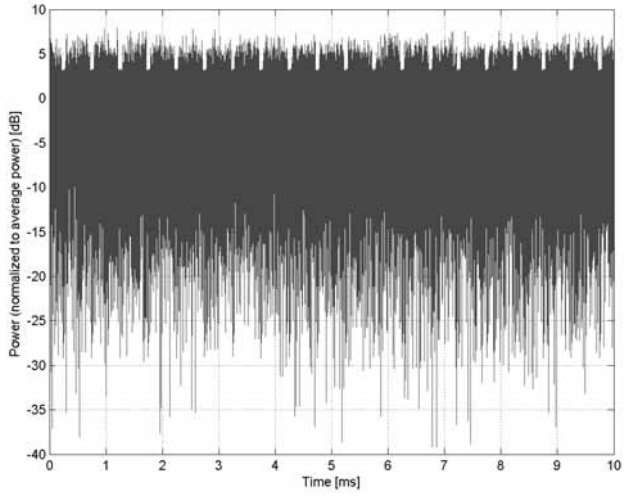
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



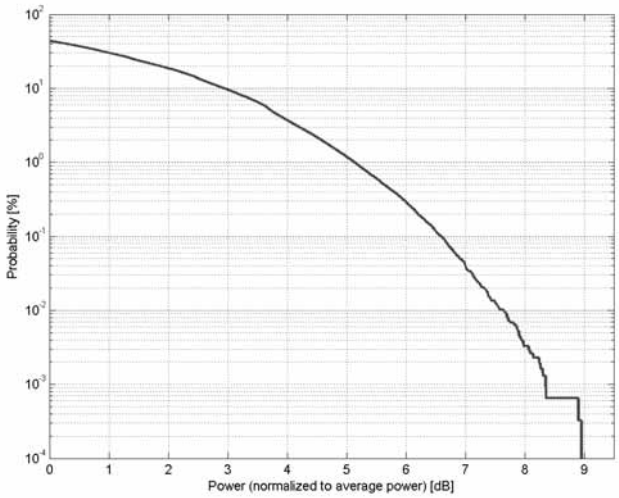
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

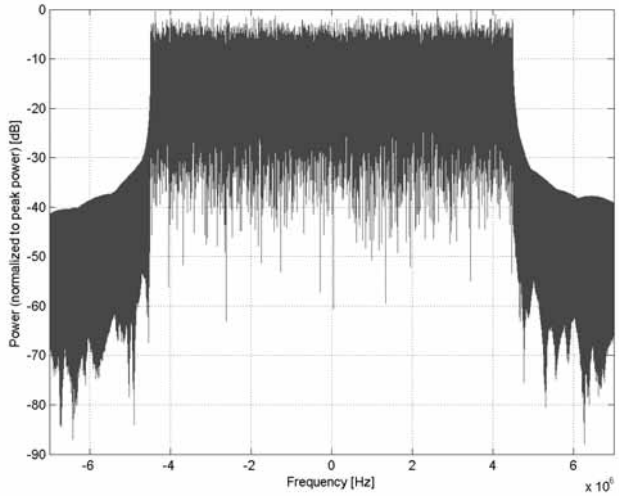
Name:	**LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10112-CAH
PAR: [1]	**6.59 dB**
MIF: [2]	**-16.34 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64-QAM Data Type: UL-SCH Number RB: 50 Transport Block Size: 28336 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

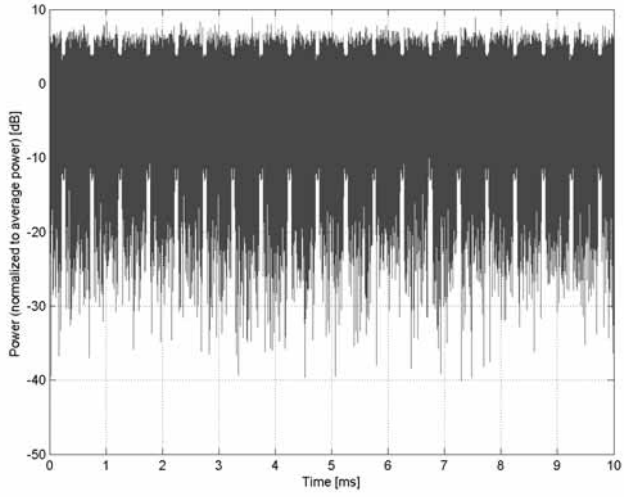
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



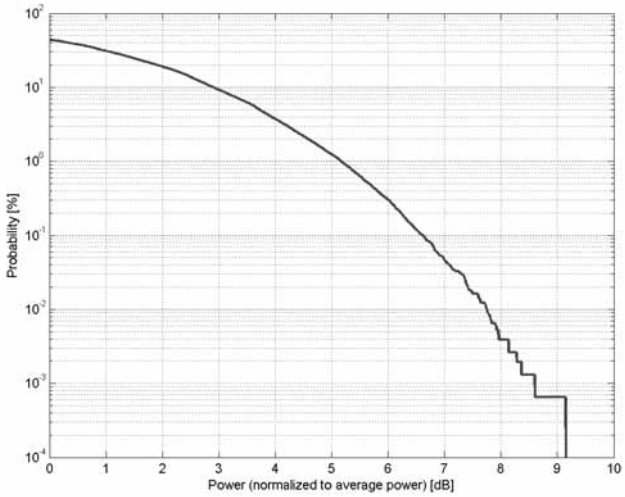
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

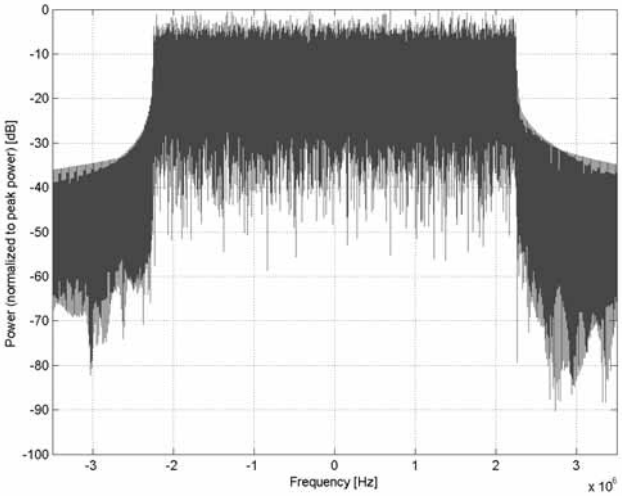
Name:	**LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10113-CAH
PAR: [1]	**6.62 dB**
MIF: [2]	**-15.98 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64-QAM Data Type: UL-SCH Number RB: 25 Transport Block Size: 14112 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

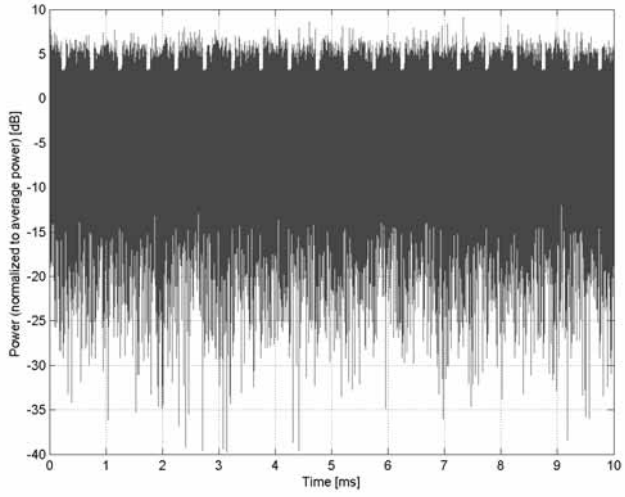
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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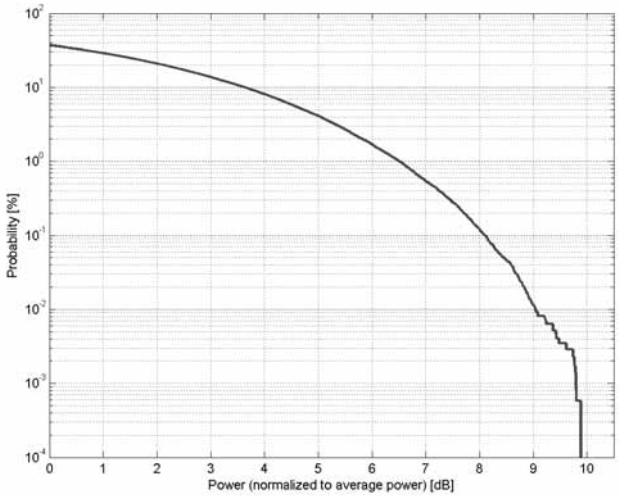
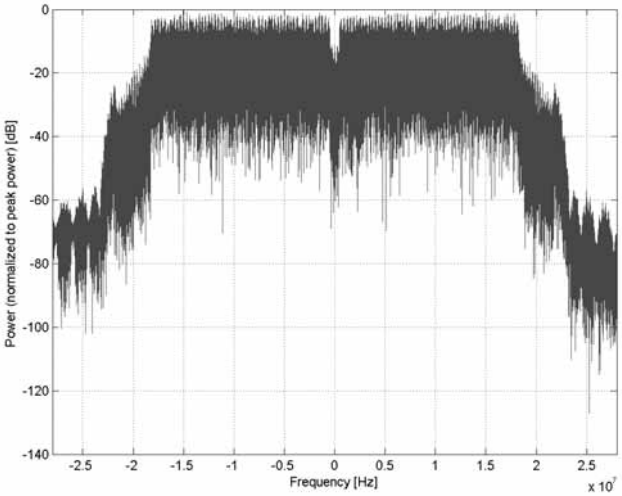
Name:	**IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)**
Group:	WLAN
UID:	10114-CAE
PAR: [1]	**8.10 dB**
MIF: [2]	**-17.24 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: BPSK Data Rate: 13.5 Mbps PPDU Format: HT Greenfield PPDU Type: 40 MHz MCS Index: 0 Guard Interval: Long Payload Length: 3567
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

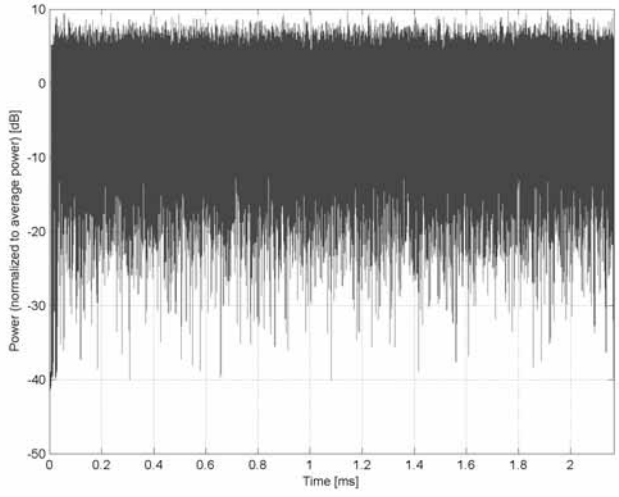
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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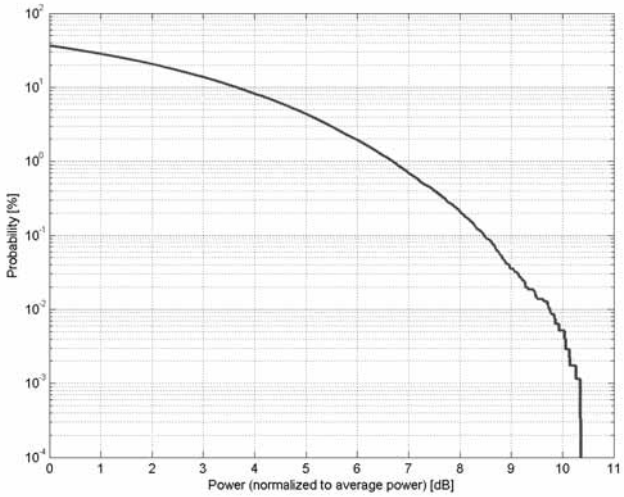
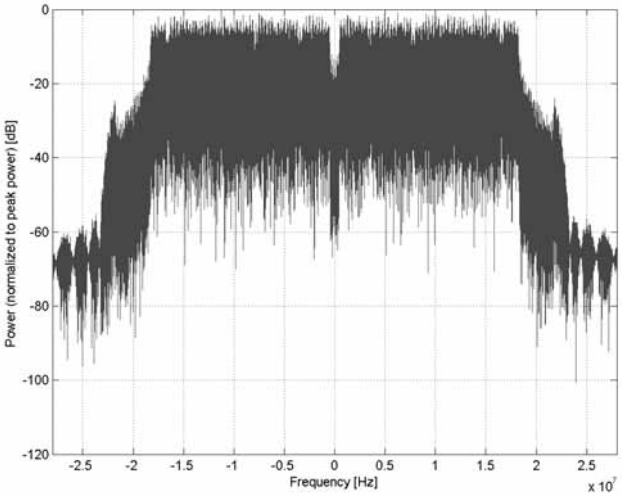
Name:	**IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)**
Group:	WLAN
UID:	10115-CAE
PAR: [1]	**8.46 dB**
MIF: [2]	**-17.11 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: 16-QAM Data Rate: 81 Mbps PPDU Format: HT Greenfield PPDU Type: 40 MHz MCS Index: 4 Guard Interval: Long Payload Length: 21590
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

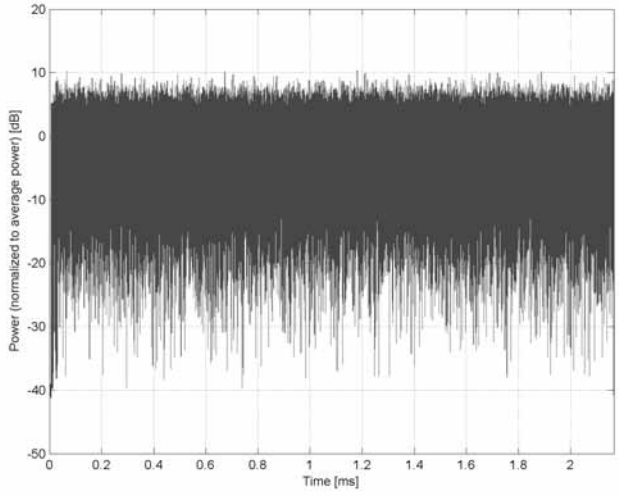
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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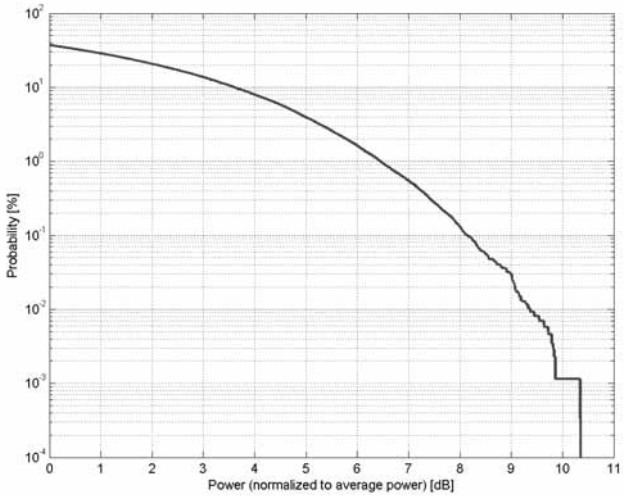
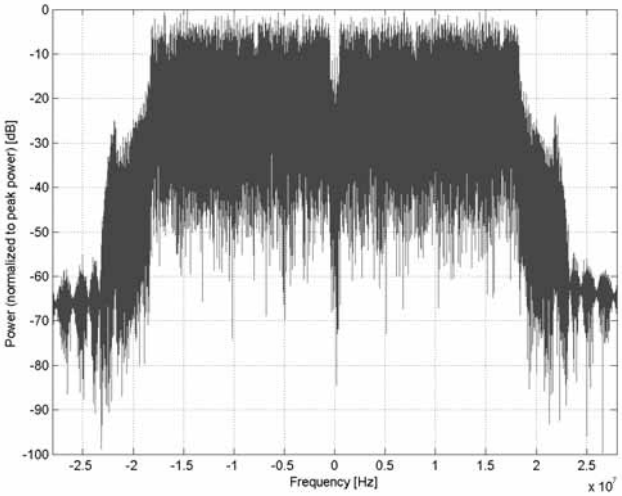
Name:	**IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)**
Group:	WLAN
UID:	10116-CAE
PAR: [1]	**8.15 dB**
MIF: [2]	**-17.09 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: 64-QAM Data Rate: 135 Mbps PPDU Format: HT Greenfield PPDU Type: 40 MHz MCS Index: 7 Guard Interval: Long Payload Length: 36008
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

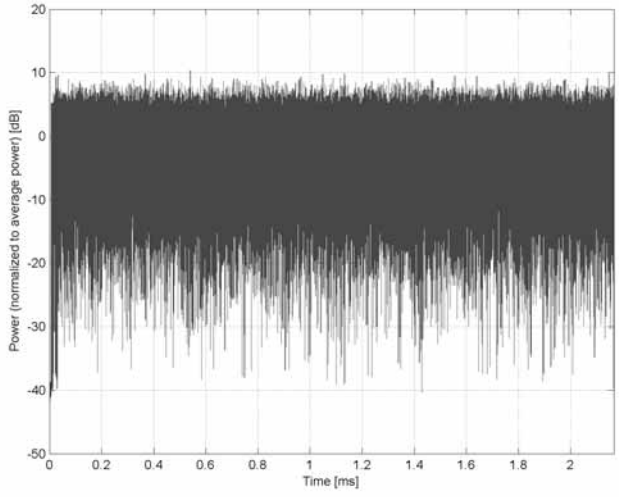
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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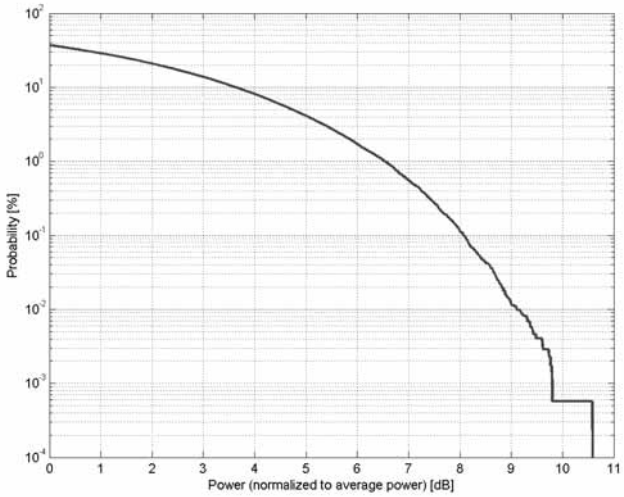
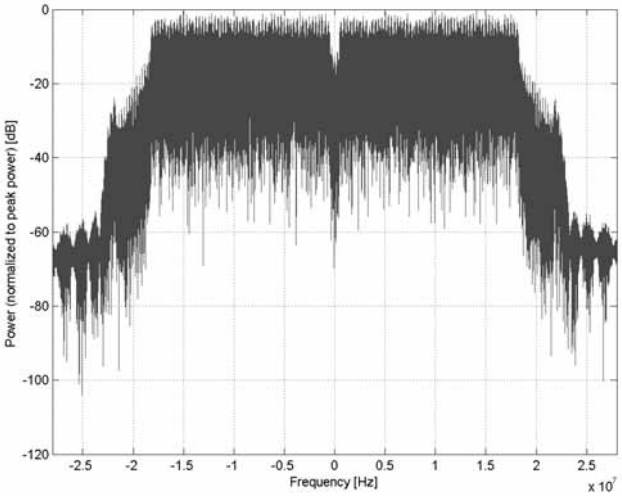
Name:	**IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)**
Group:	WLAN
UID:	10117-CAE
PAR: [1]	**8.07 dB**
MIF: [2]	**-17.16 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	BPSK
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: BPSK Data Rate: 13.5 Mbps PPDU Format: HT Mixed PPDU Type: 40 MHz MCS Index: 0 Guard Interval: Long Payload Length: 3567
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

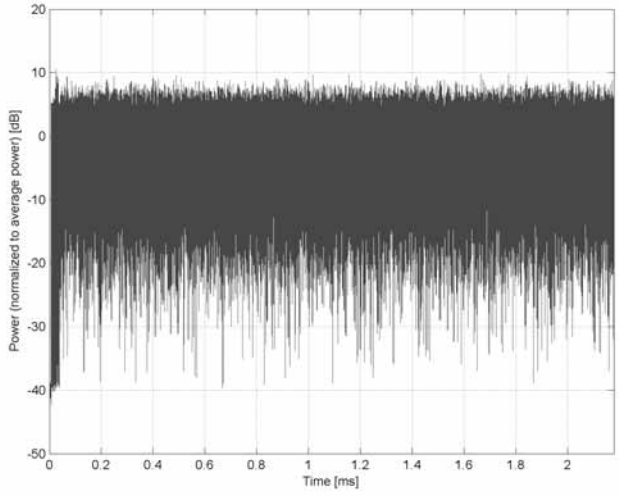
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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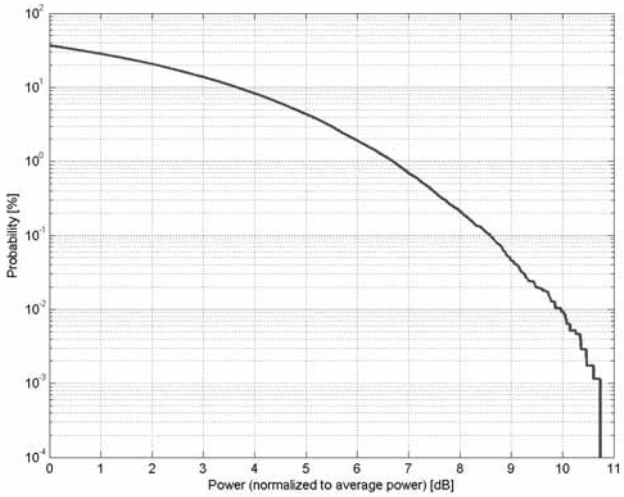
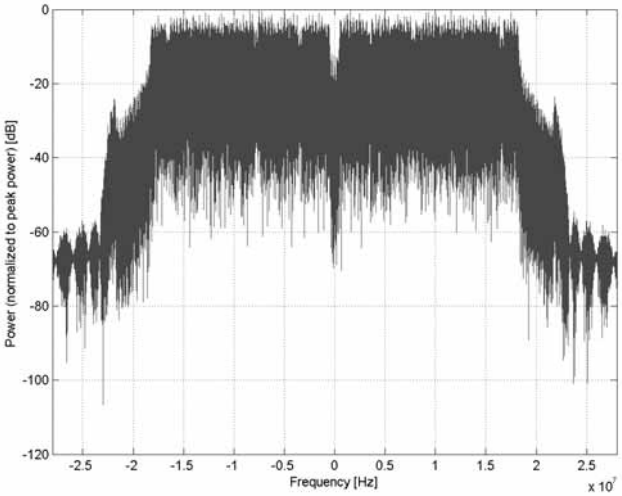
Name:	**IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)**
Group:	WLAN
UID:	10118-CAE
PAR: [1]	**8.59 dB**
MIF: [2]	**-17.09 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: 16-QAM Data Rate: 81 Mbps PPDU Format: HT Mixed PPDU Type: 40 MHz MCS Index: 4 Guard Interval: Long Payload Length: 21590
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

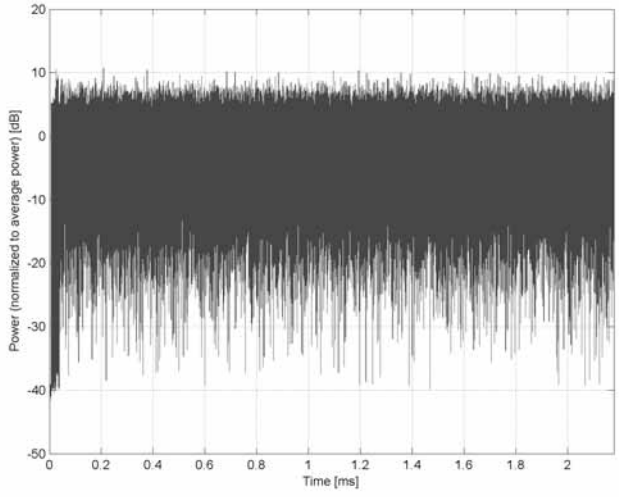
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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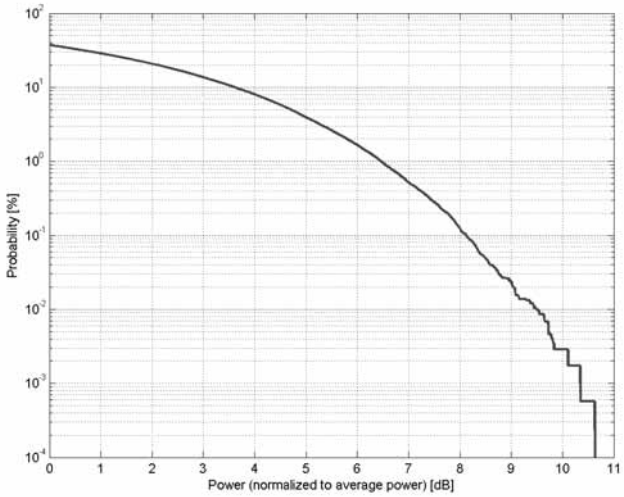
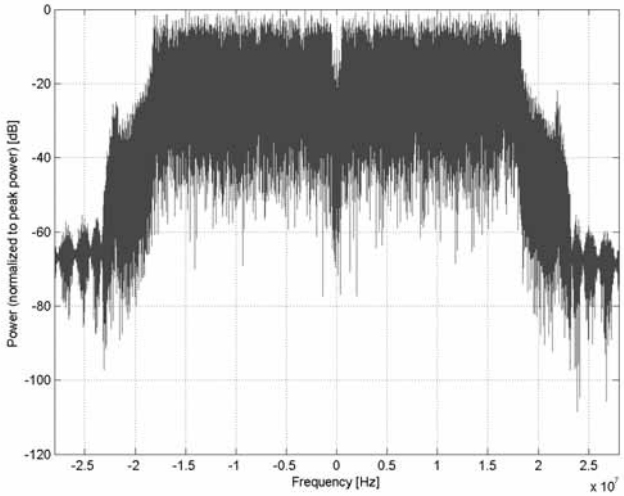
Name:	**IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)**
Group:	WLAN
UID:	10119-CAE
PAR: [1]	**8.13 dB**
MIF: [2]	**-17.00 dB**
Standard Reference:	IEEE 802.11n-2009
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	WLAN 2.4GHz (2412.0 - 2484.0 MHz) WLAN 5GHz (4915.0 - 5825.0 MHz) U-NII-1, U-NII-2A (5170 - 5330 MHz) U-NII-2C Standalone (5490 - 5710 MHz) U-NII-2C <5.65 GHz (5490 - 5650 MHz) U-NII-3 Standalone (5735 - 5835 MHz) U-NII-2C, U-NII-3 (5650 - 5835 MHz) U-NII-5 (5925 - 6425 MHz) U-NII-6 (6425 - 6525 MHz) U-NII-7 (6525 - 6875 MHz) U-NII-8 (6875 - 7125 MHz) U-NII-4 (5825 - 5925 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation: 64-QAM Data Rate: 135 Mbps PPDU Format: HT Mixed PPDU Type: 40 MHz MCS Index: 7 Guard Interval: Long Payload Length: 36008
Bandwidth:	40.0 MHz
Integration Time:	2.2 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

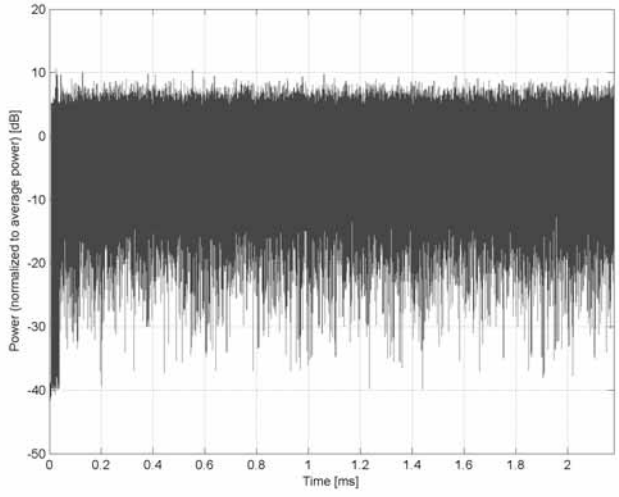
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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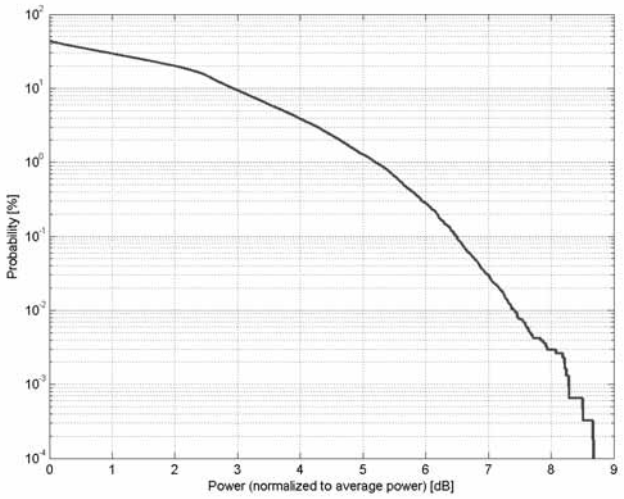
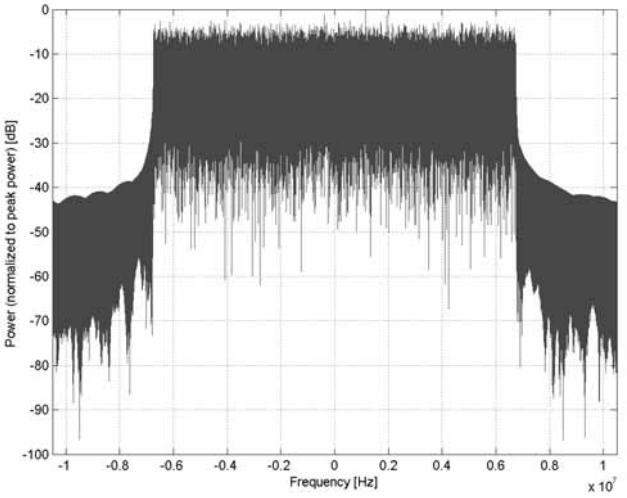
Name:	**LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10140-CAF
PAR: [1]	**6.49 dB**
MIF: [2]	**-19.37 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 75 Transport Block Size: 21384 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	15.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

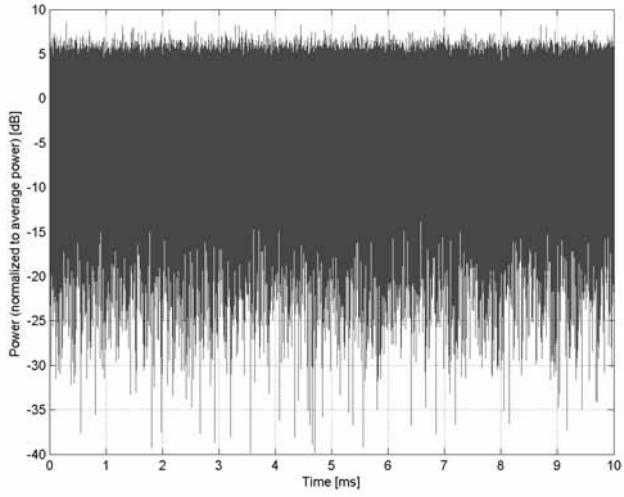
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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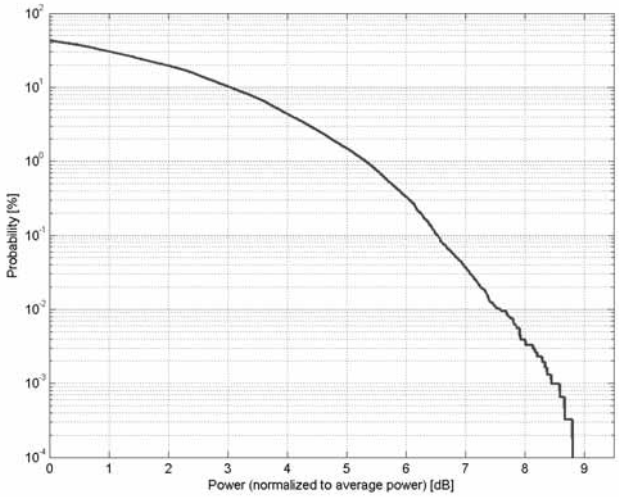
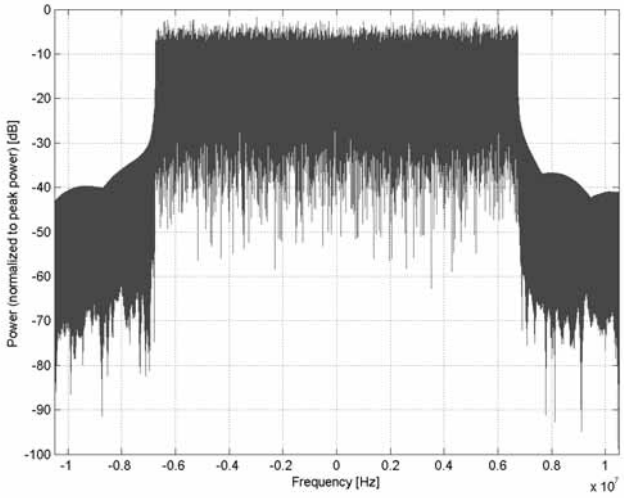
Name:	**LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10141-CAF
PAR: [1]	**6.53 dB**
MIF: [2]	**-19.44 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 75 Transport Block Size: 43816 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	15.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

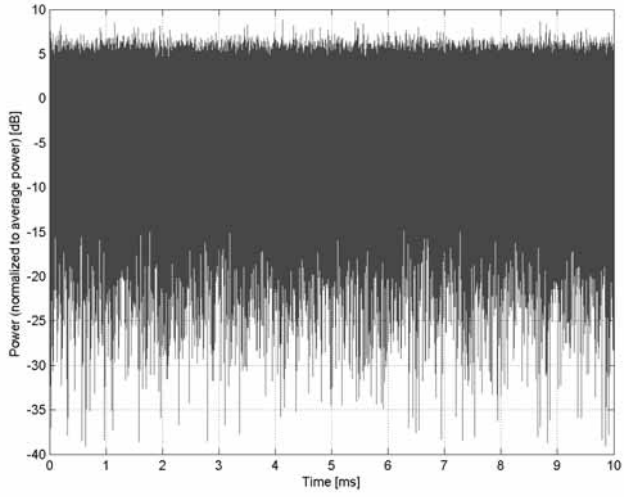
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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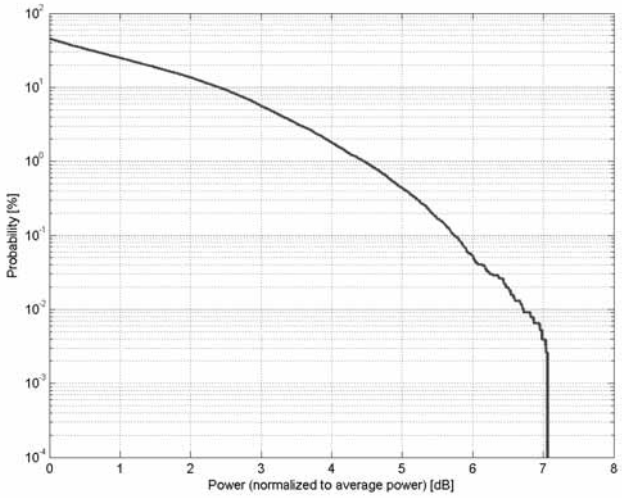
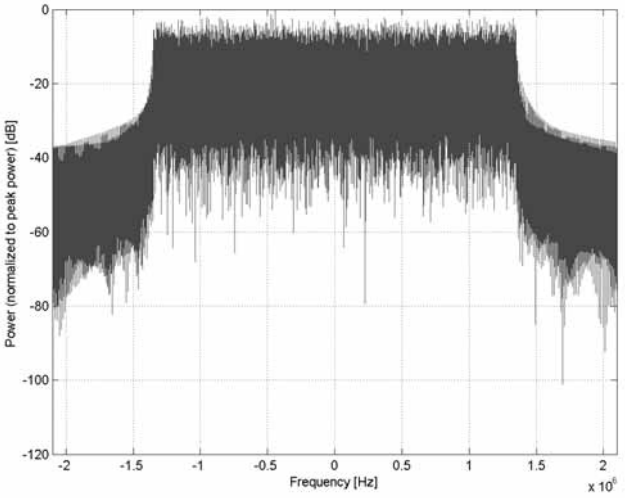
Name:	**LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)**
Group:	LTE-FDD
UID:	10142-CAF
PAR: [1]	**5.73 dB**
MIF: [2]	**-22.36 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 15 Transport Block Size: 1320 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	3.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

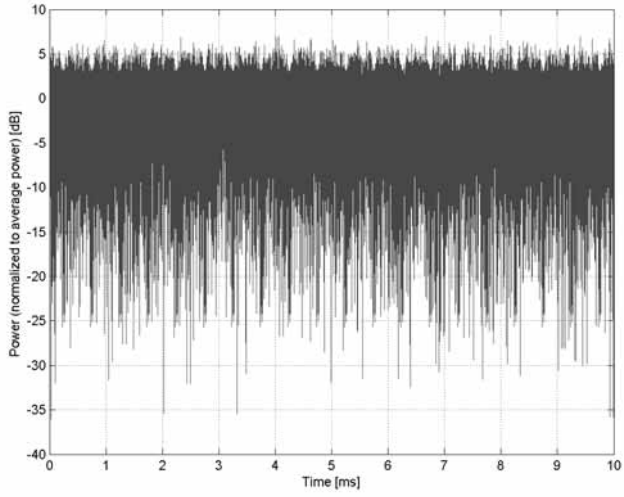
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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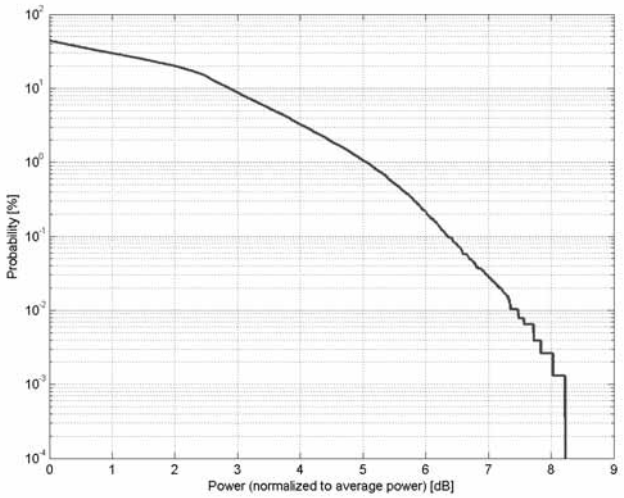
Zeughausstrasse 43, 8004 Zurich, Switzerland

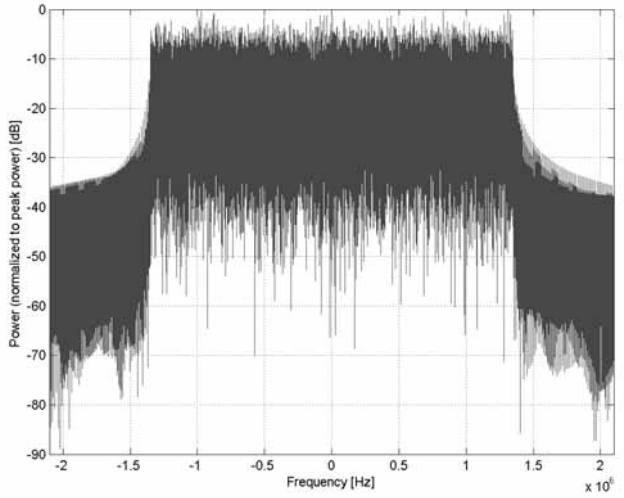
Name:	**LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10143-CAF
PAR: [1]	**6.35 dB**
MIF: [2]	**-14.75 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 15 Transport Block Size: 4264 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	3.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

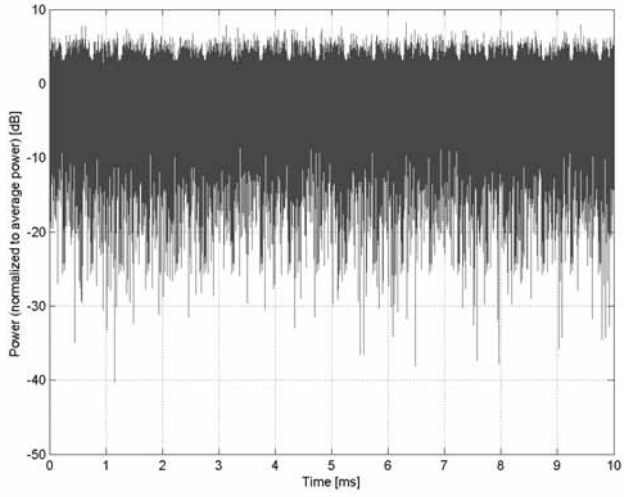
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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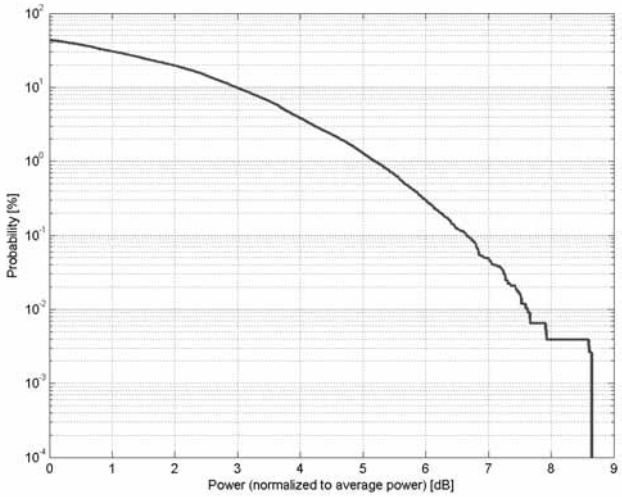
Zeughausstrasse 43, 8004 Zurich, Switzerland

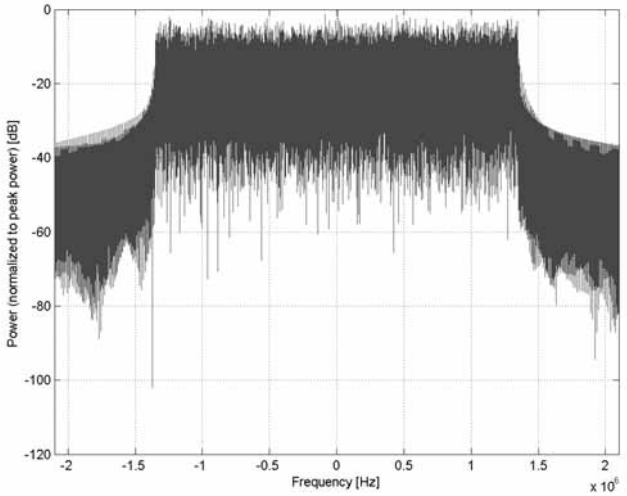
Name:	**LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10144-CAF
PAR: [1]	**6.65 dB**
MIF: [2]	**-15.02 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 15 Transport Block Size: 8504 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	3.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

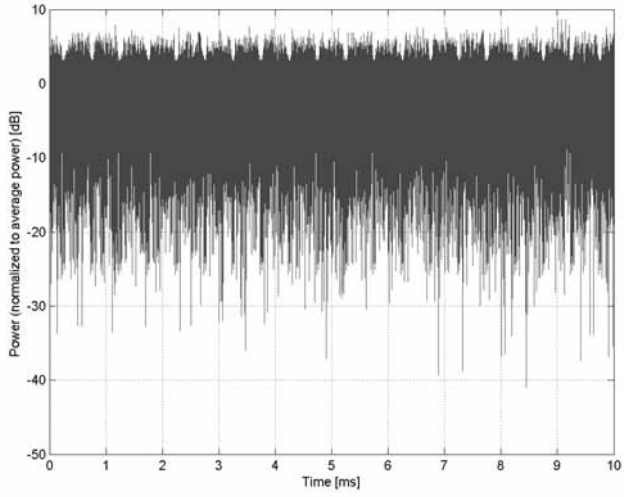
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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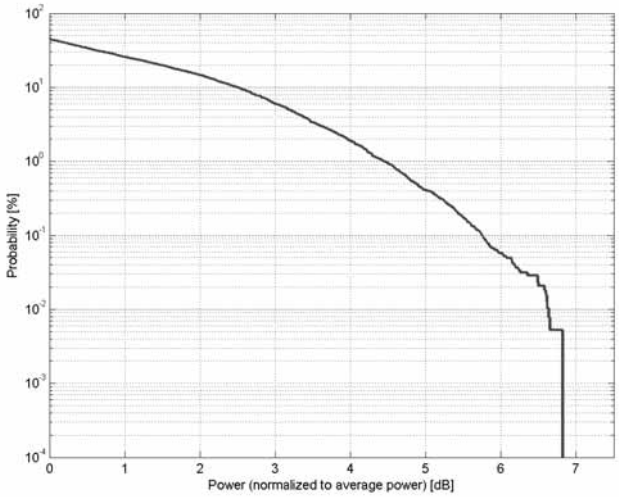
Zeughausstrasse 43, 8004 Zurich, Switzerland

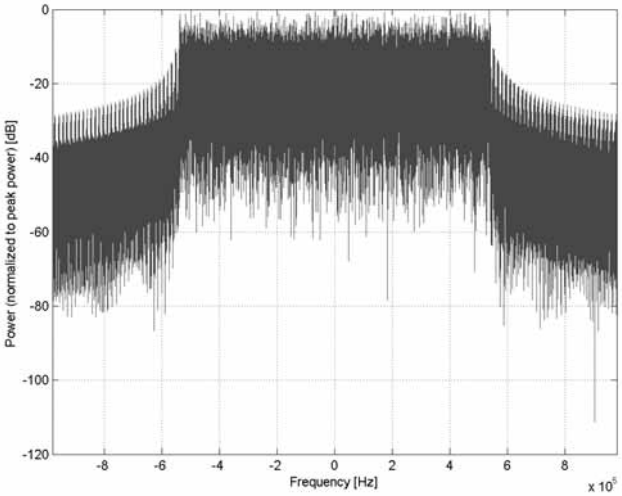
Name:	**LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)**
Group:	LTE-FDD
UID:	10145-CAG
PAR: [1]	**5.76 dB**
MIF: [2]	**-17.39 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 6 Transport Block Size: 504 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

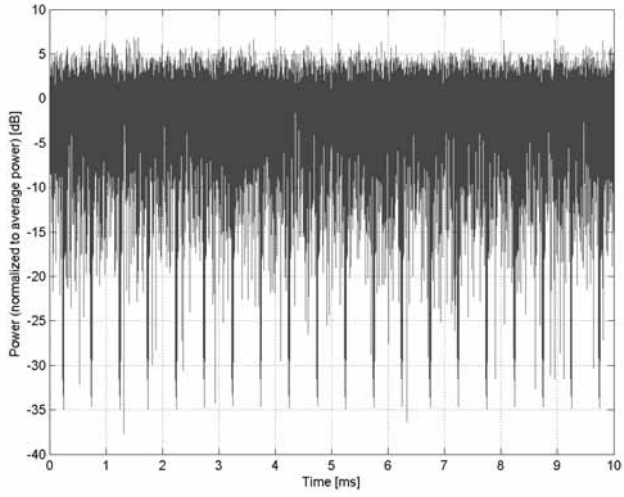
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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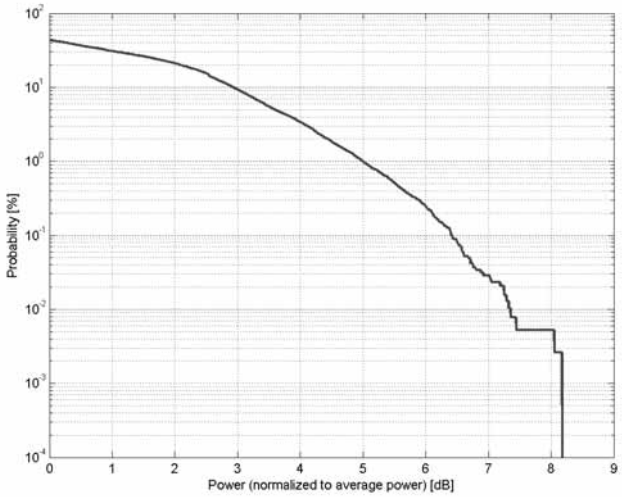
Zeughausstrasse 43, 8004 Zurich, Switzerland

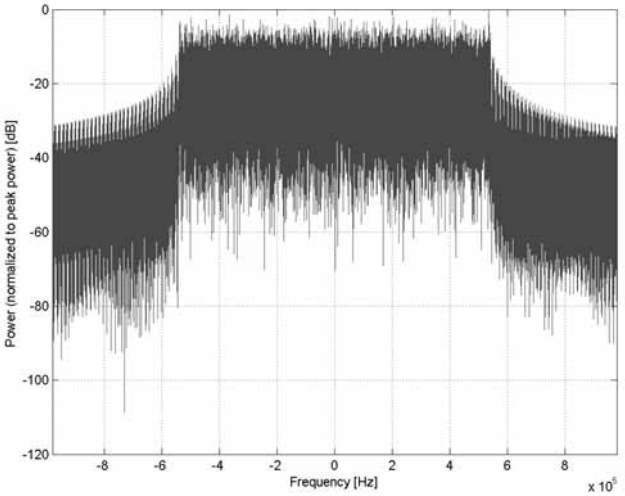
Name:	**LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10146-CAG
PAR: [1]	**6.41 dB**
MIF: [2]	**-13.60 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 15 Transport Block Size: 1736 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

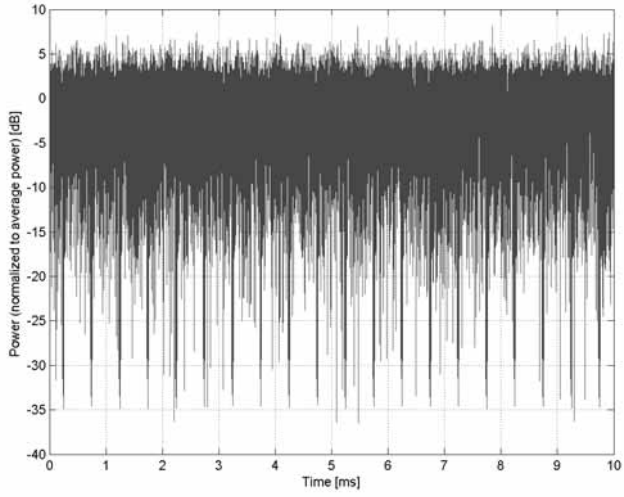
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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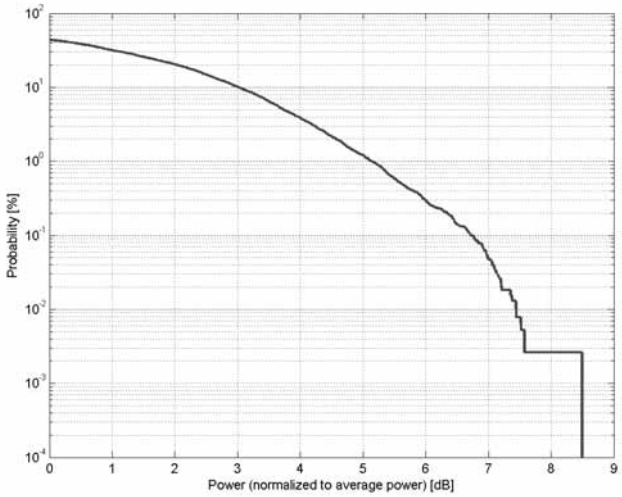
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

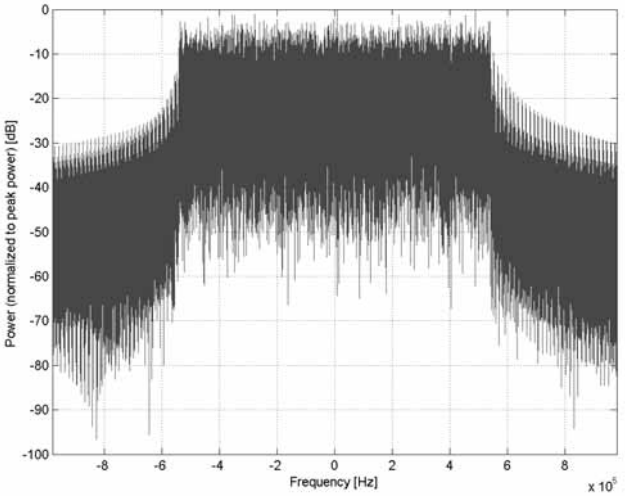
Name:	**LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10147-CAG
PAR: [1]	**6.72 dB**
MIF: [2]	**-13.90 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 6 Transport Block Size: 3496 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

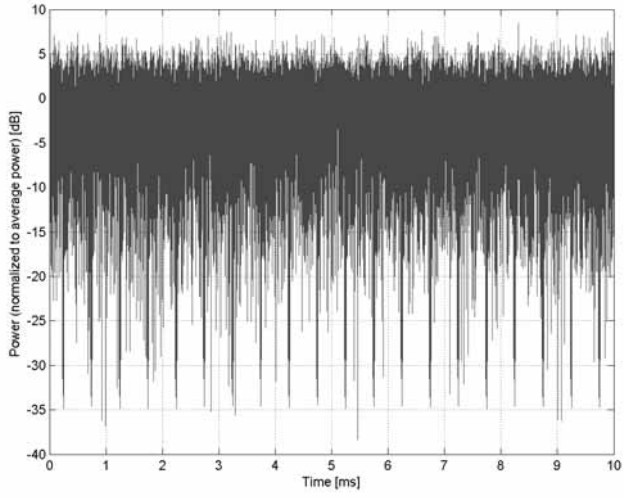
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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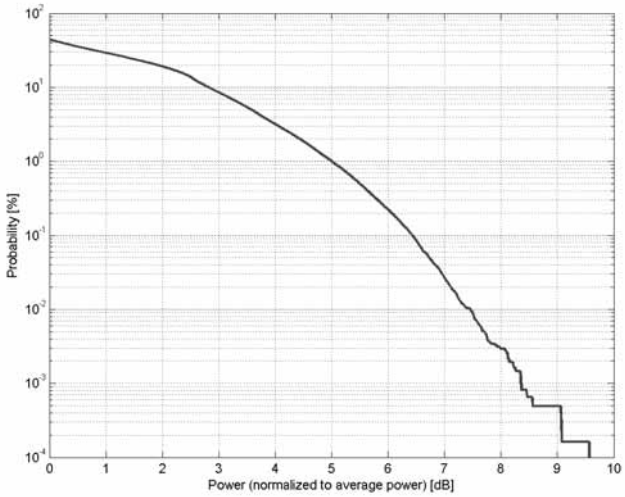
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

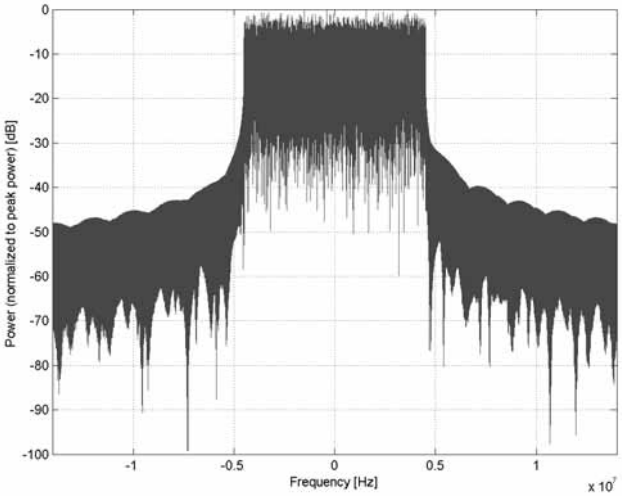
Name:	**LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10149-CAF
PAR: [1]	**6.42 dB**
MIF: [2]	**-16.87 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 50 Transport Block Size: 14112 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

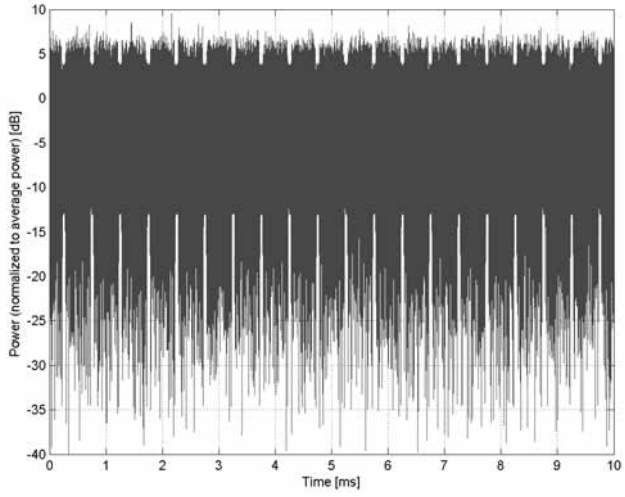
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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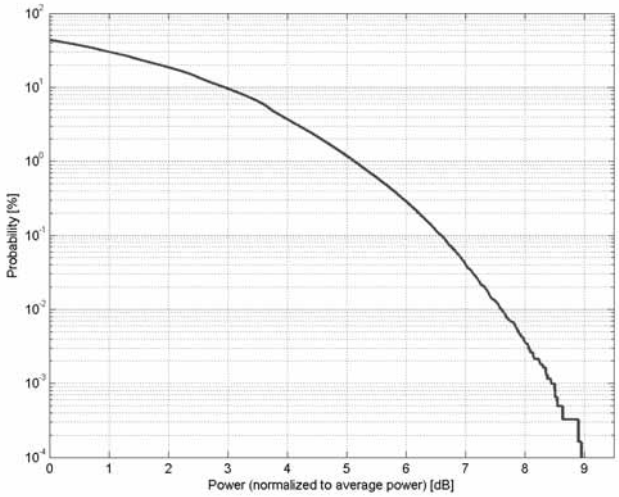
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

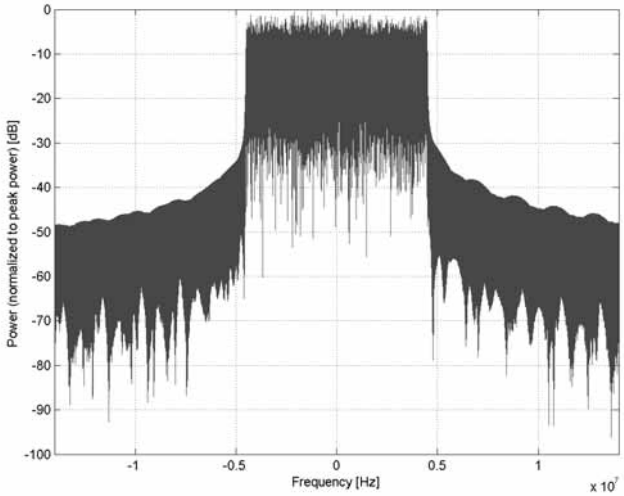
Name:	**LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10150-CAF
PAR: [1]	**6.60 dB**
MIF: [2]	**-16.33 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 50 Transport Block Size: 28336 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

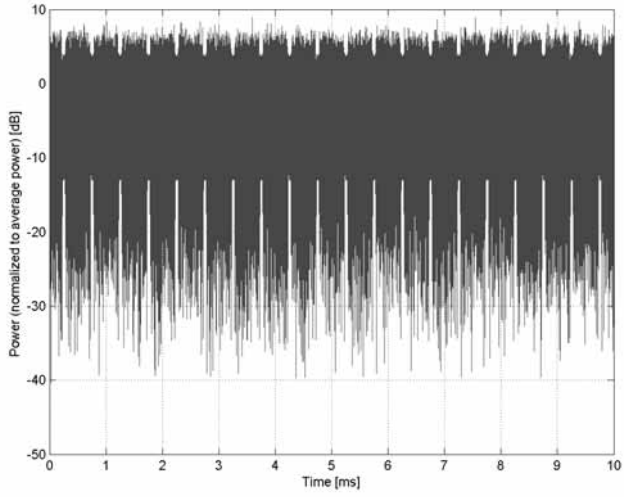
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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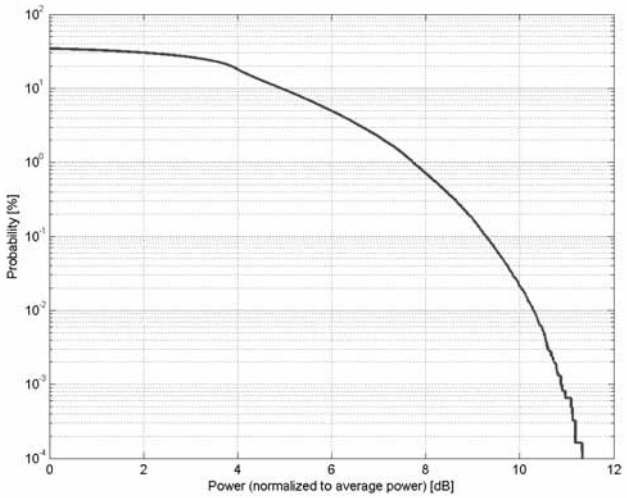
Zeughausstrasse 43, 8004 Zurich, Switzerland

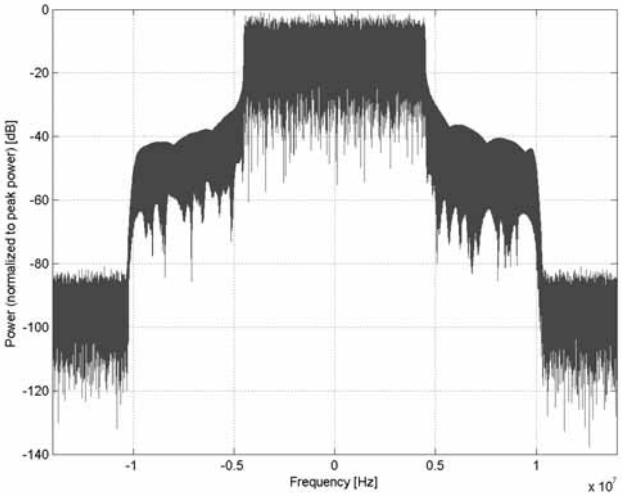
Name:	**LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)**
Group:	LTE-TDD
UID:	10151-CAH
PAR: [1]	**9.28 dB**
MIF: [2]	**-1.64 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: QPSK Allocated RB: 50 Start Number of RB: 25 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

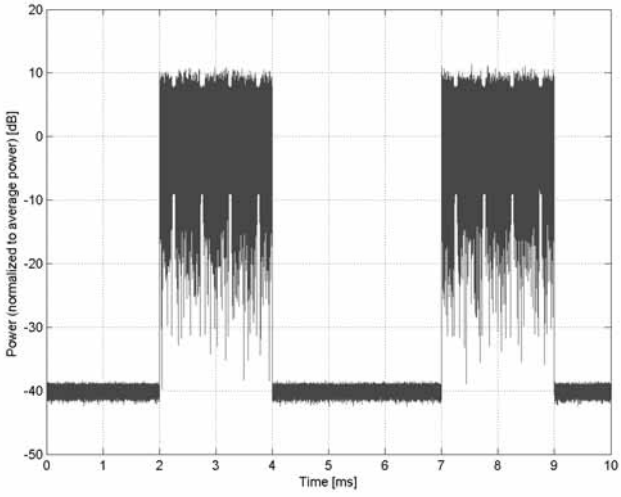
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



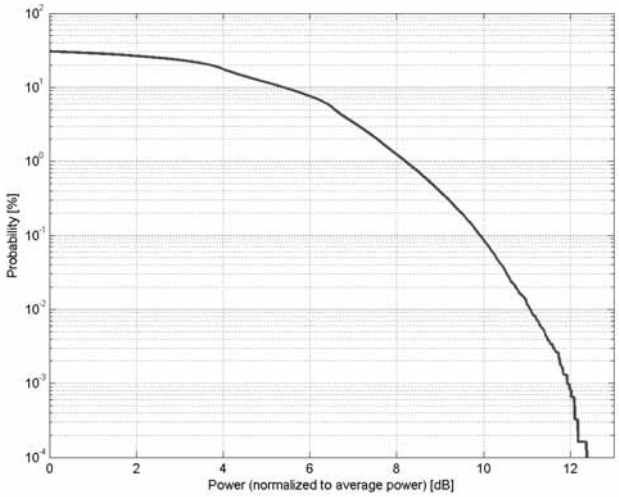
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

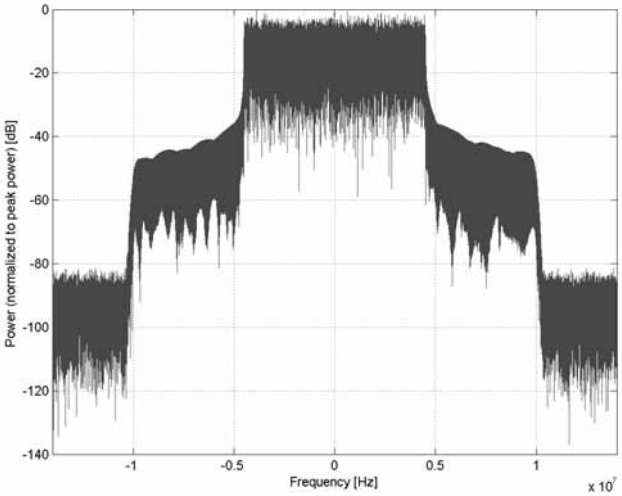
Name:	**LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)**
Group:	LTE-TDD
UID:	10152-CAH
PAR: [1]	**9.92 dB**
MIF: [2]	**-1.66 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 16QAM Allocated RB: 50 Start Number of RB: 25 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

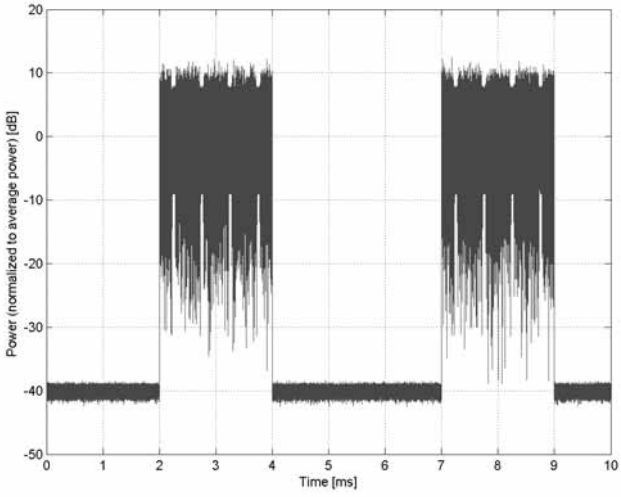
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



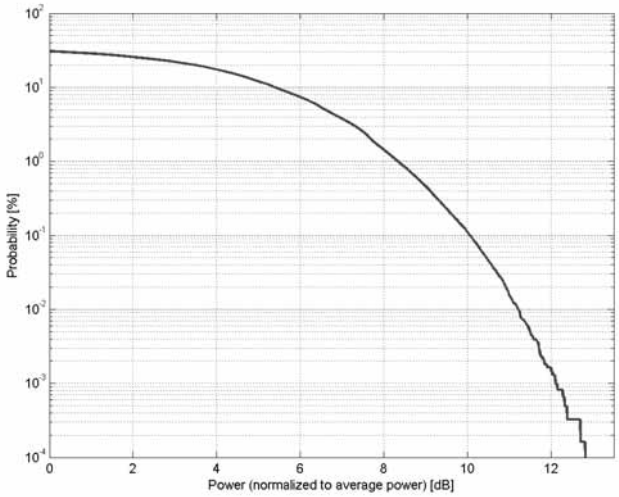
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

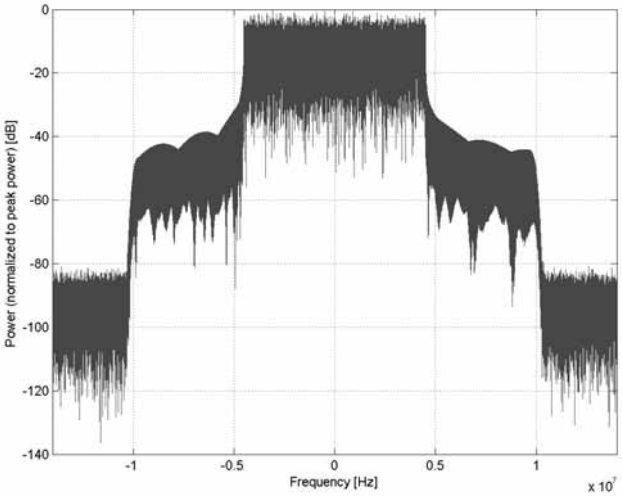
Name:	**LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)**
Group:	LTE-TDD
UID:	10153-CAH
PAR: [1]	**10.05 dB**
MIF: [2]	**-1.66 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 64QAM Allocated RB: 50 Start Number of RB: 25 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

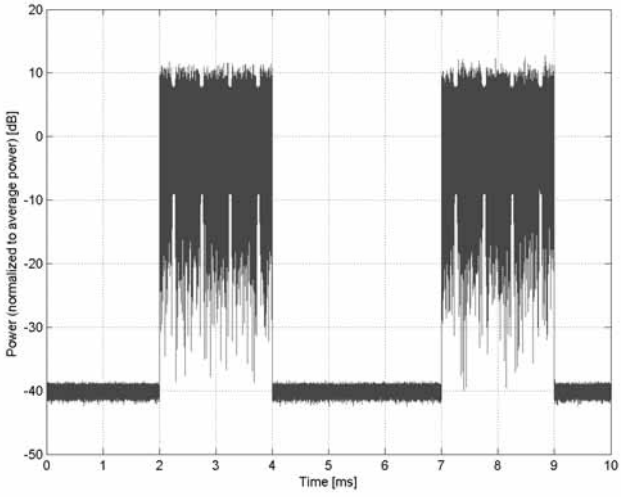
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



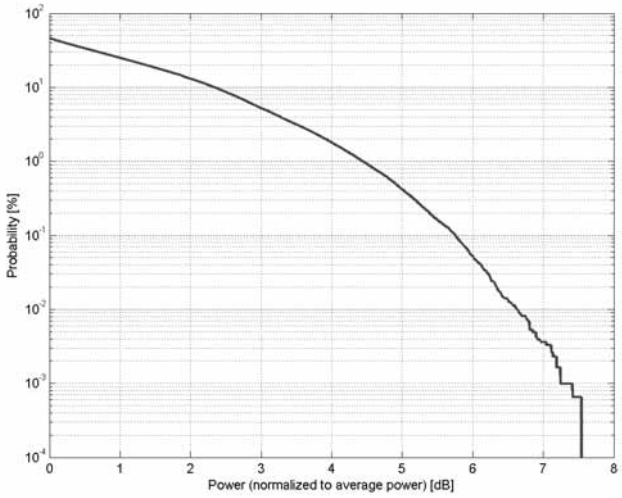
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

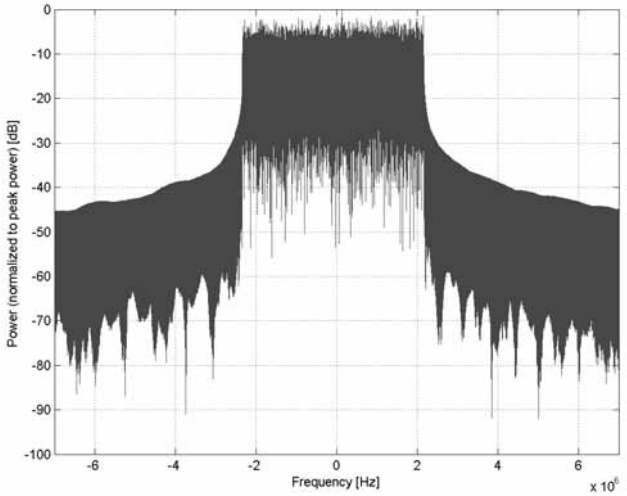
Name:	**LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)**
Group:	LTE-FDD
UID:	10154-CAH
PAR: [1]	**5.75 dB**
MIF: [2]	**-23.42 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 25 Transport Block Size: 2216 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

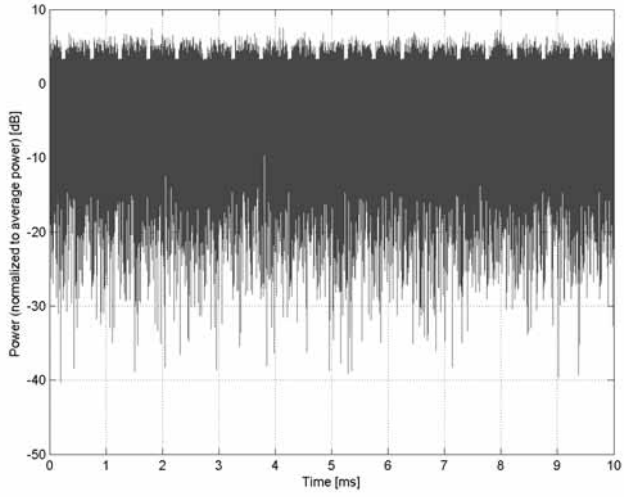
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



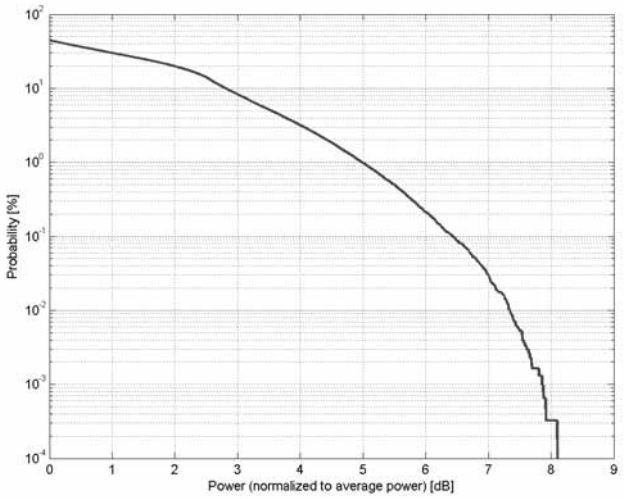
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

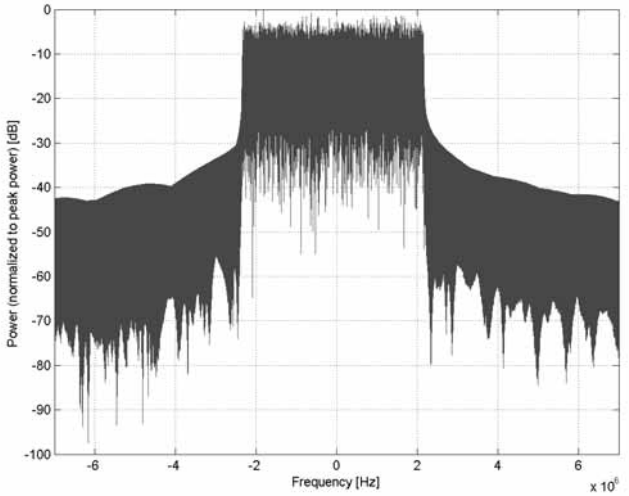
Name:	**LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10155-CAH
PAR: [1]	**6.43 dB**
MIF: [2]	**-16.36 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 25 Transport Block Size: 7224 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

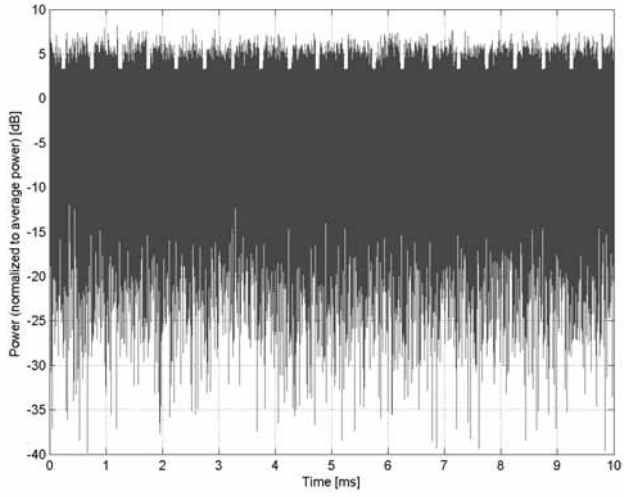
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



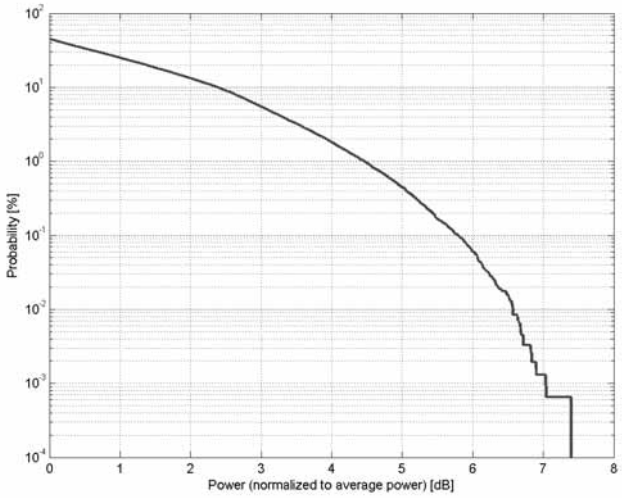
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

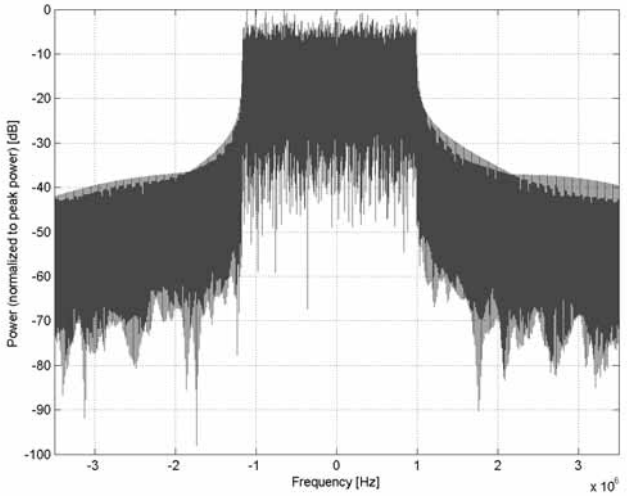
Name:	**LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)**
Group:	LTE-FDD
UID:	10156-CAH
PAR: [1]	**5.79 dB**
MIF: [2]	**-21.71 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 12 Transport Block Size: 1032 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

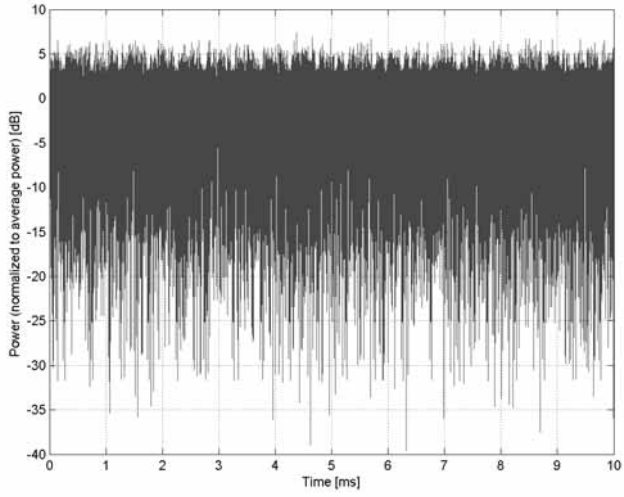
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



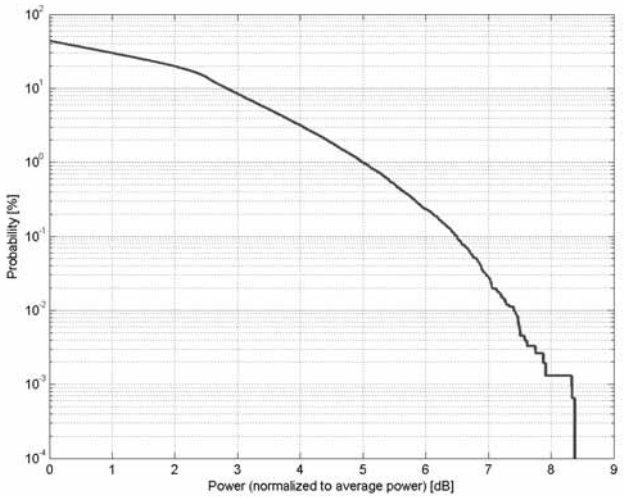
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

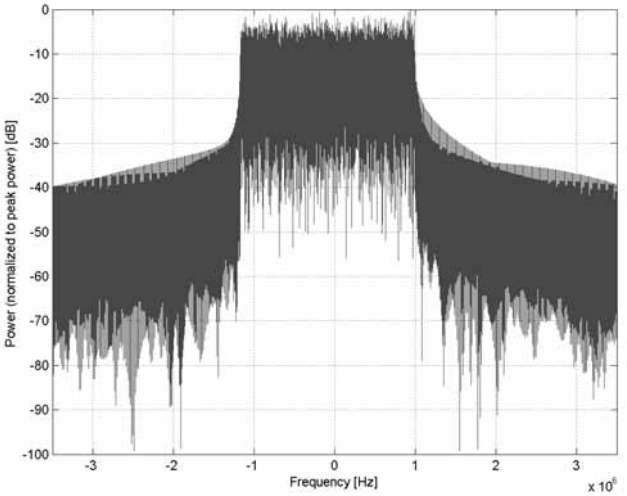
Name:	**LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10157-CAH
PAR: [1]	**6.49 dB**
MIF: [2]	**-15.78 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 12 Transport Block Size: 3496 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

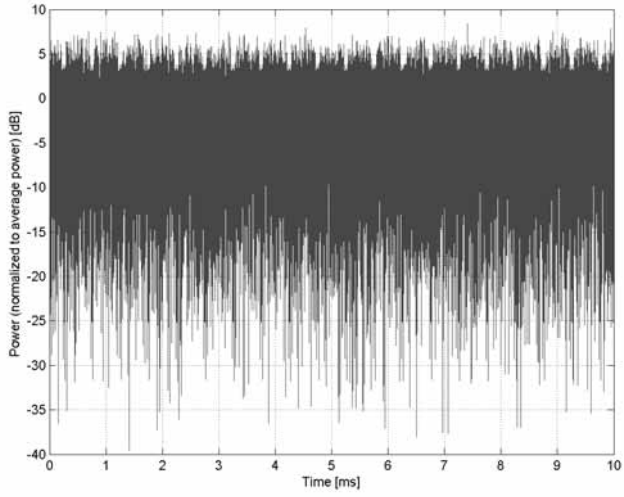
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



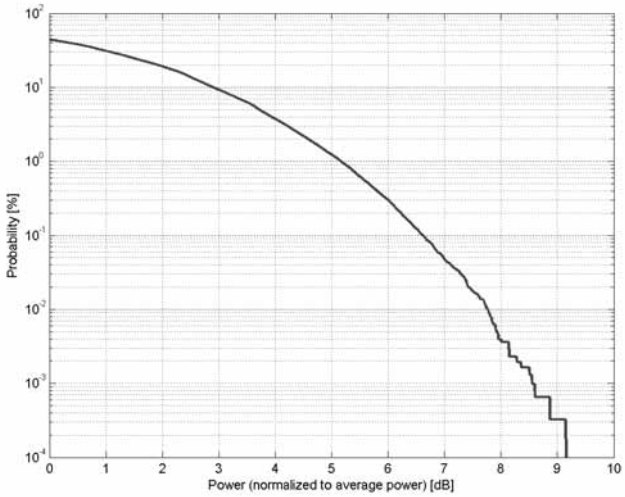
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

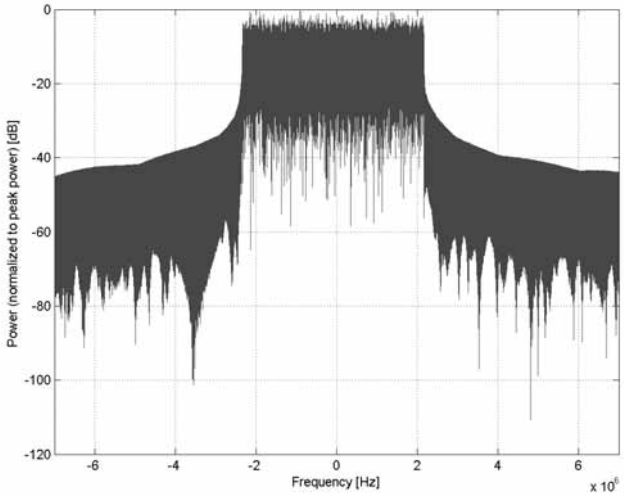
Name:	**LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10158-CAH
PAR: [1]	**6.62 dB**
MIF: [2]	**-15.99 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 25 Transport Block Size: 14112 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

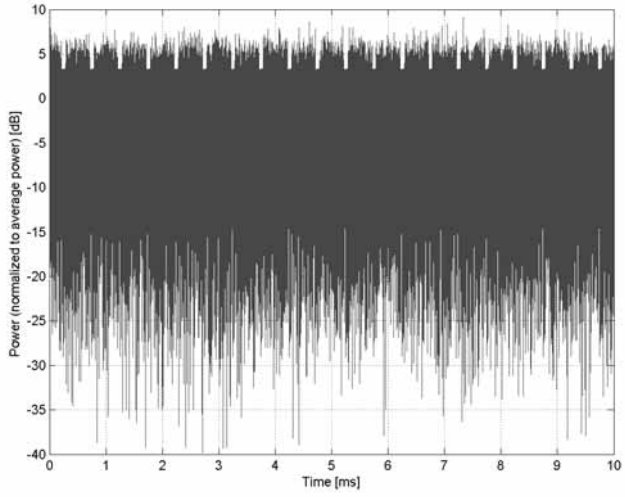
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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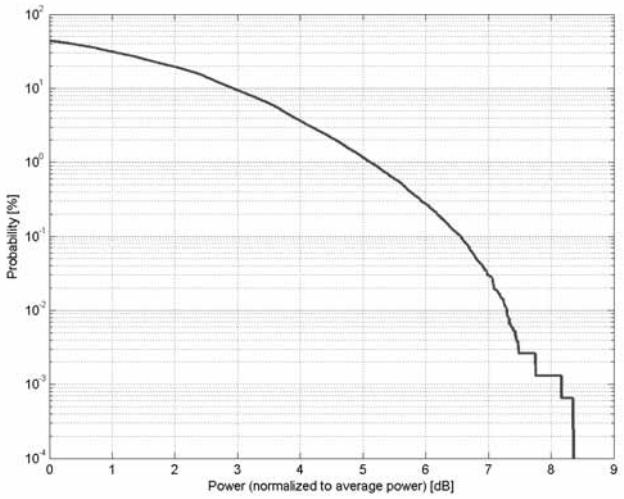
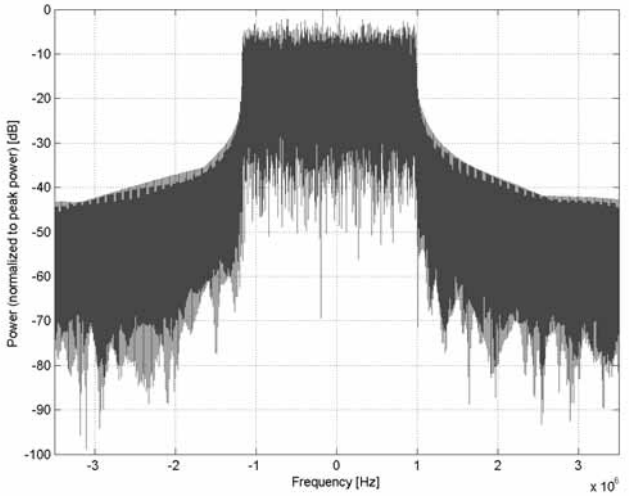
Name:	**LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10159-CAH
PAR: [1]	**6.56 dB**
MIF: [2]	**-14.49 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 12 Transport Block Size: 6968 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

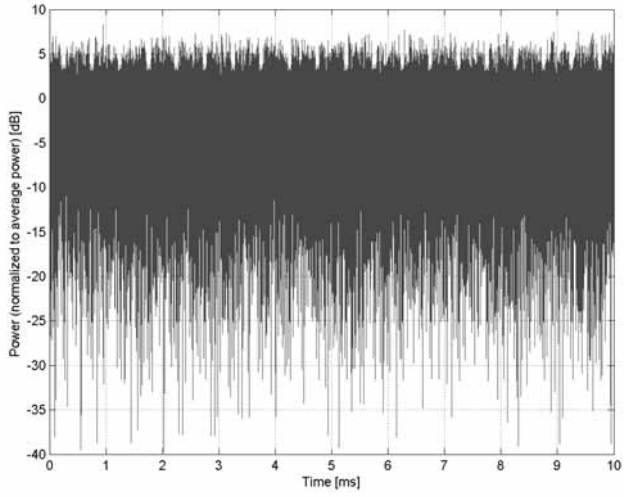
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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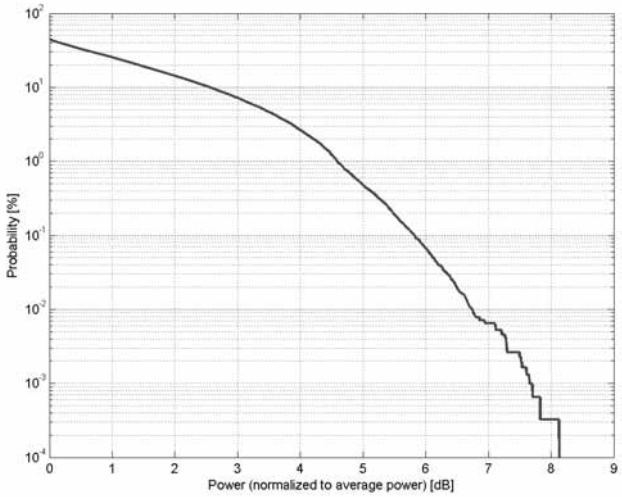
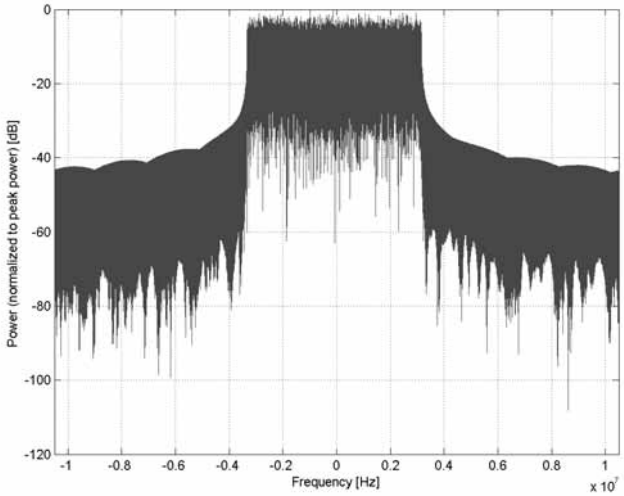
Name:	**LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)**
Group:	LTE-FDD
UID:	10160-CAF
PAR: [1]	**5.82 dB**
MIF: [2]	**-17.95 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 36 Transport Block Size: 3112 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	15.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

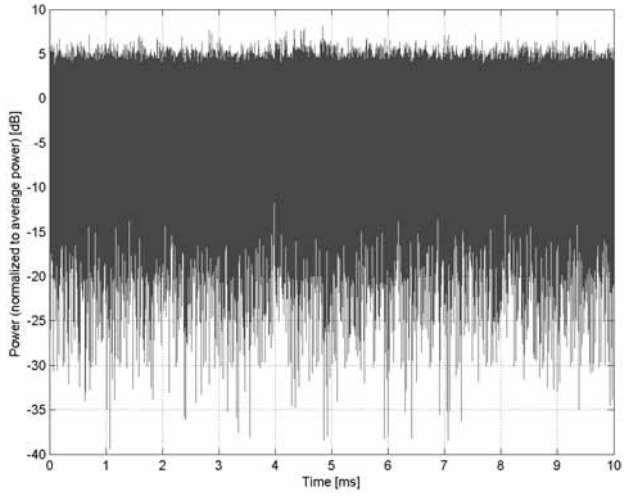
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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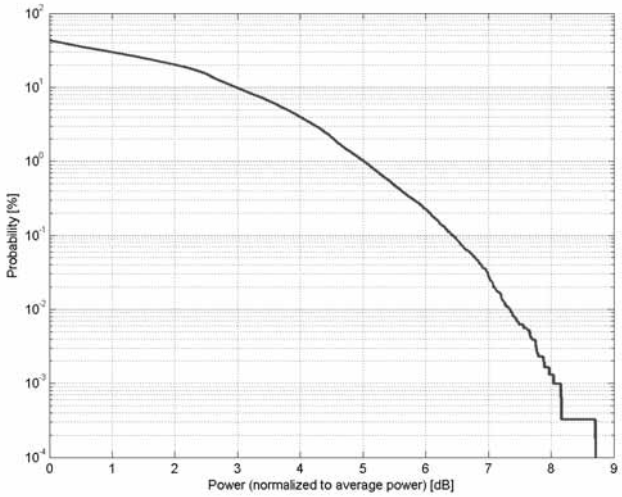
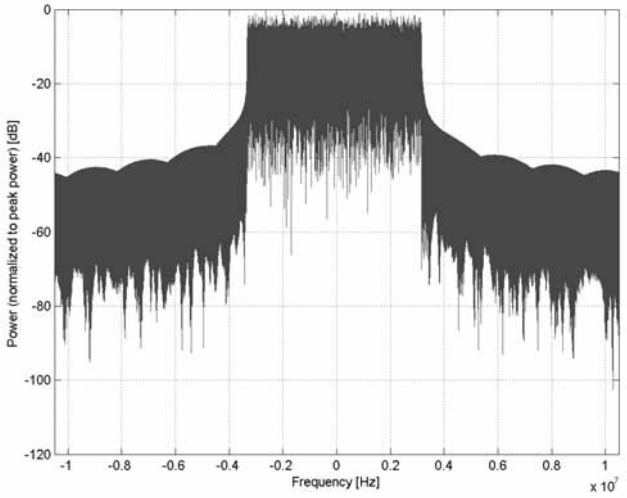
Name:	**LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10161-CAF
PAR: [1]	**6.43 dB**
MIF: [2]	**-17.54 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 36 Transport Block Size: 10296 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	15.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

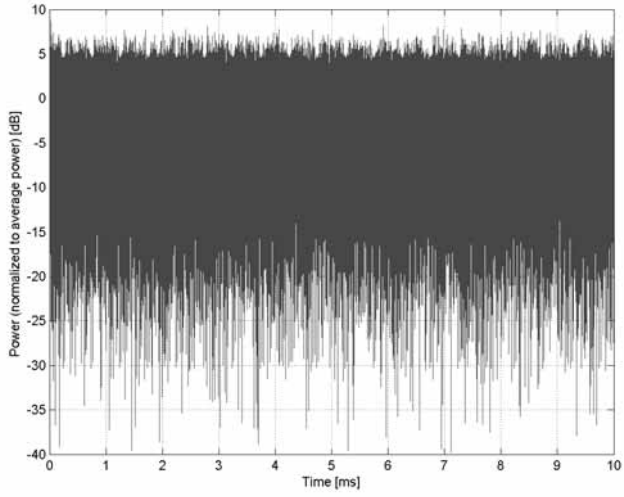
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

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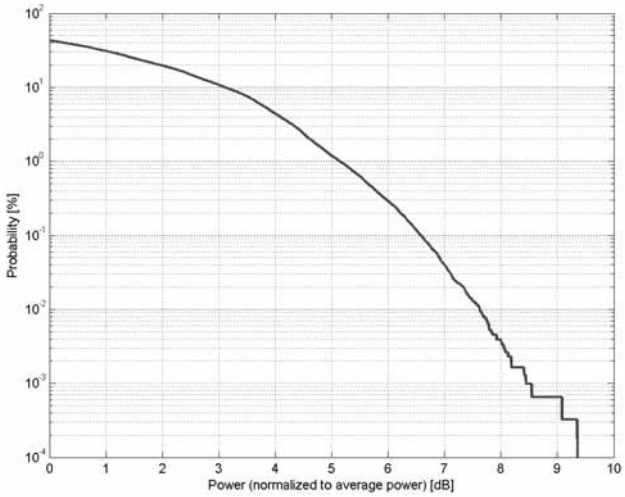
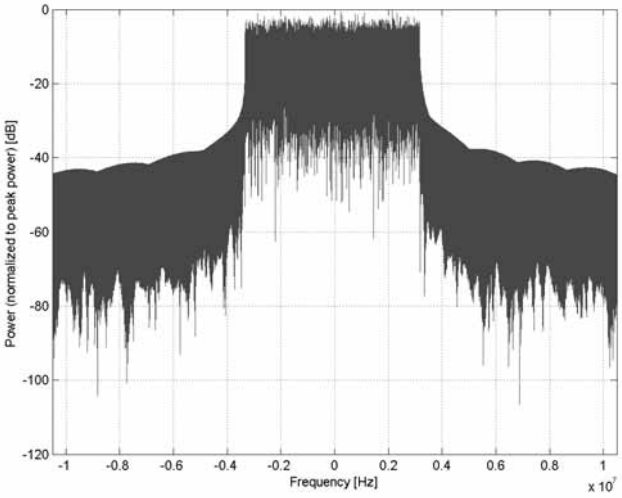
Name:	**LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10162-CAF
PAR: [1]	**6.58 dB**
MIF: [2]	**-17.63 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 36 Transport Block Size: 20616 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	15.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

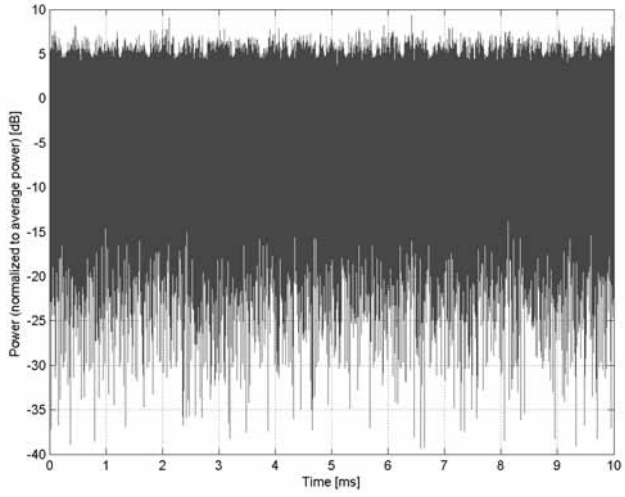
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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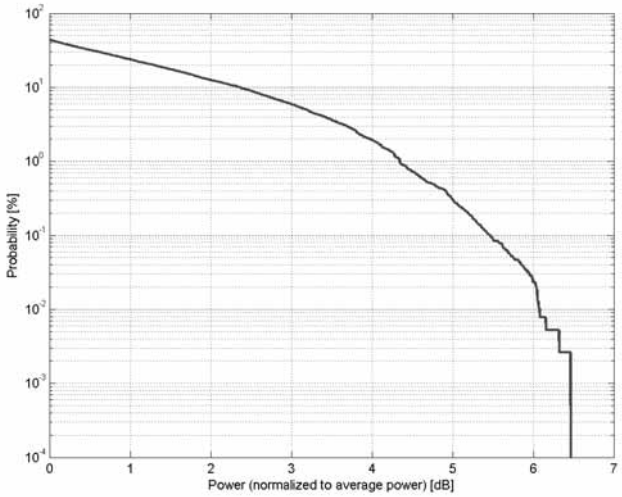
Zeughausstrasse 43, 8004 Zurich, Switzerland

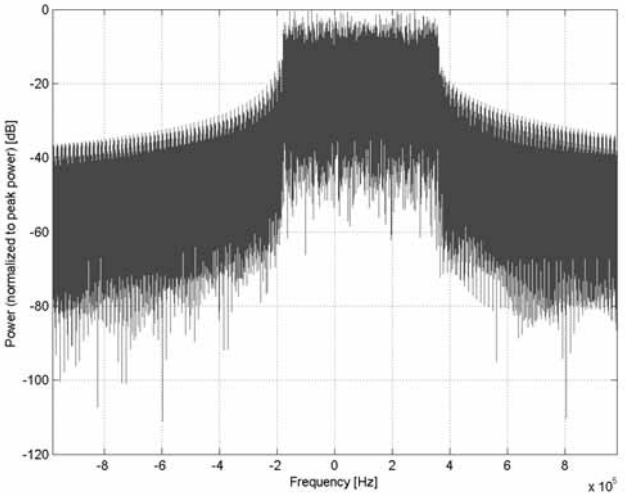
Name:	**LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)**
Group:	LTE-FDD
UID:	10166-CAG
PAR: [1]	**5.46 dB**
MIF: [2]	**-18.10 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 3 Transport Block Size: 224 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

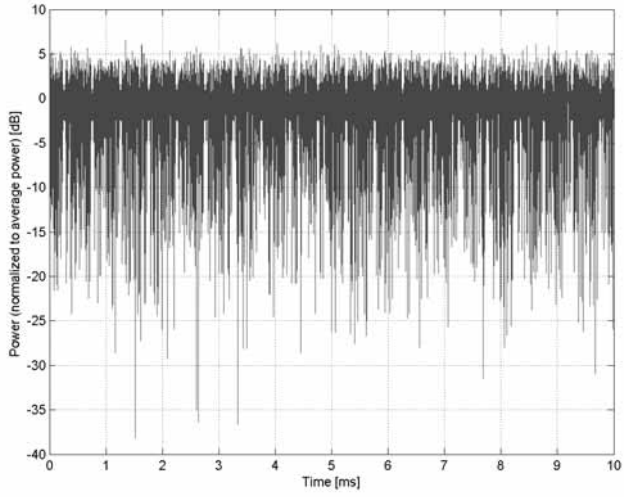
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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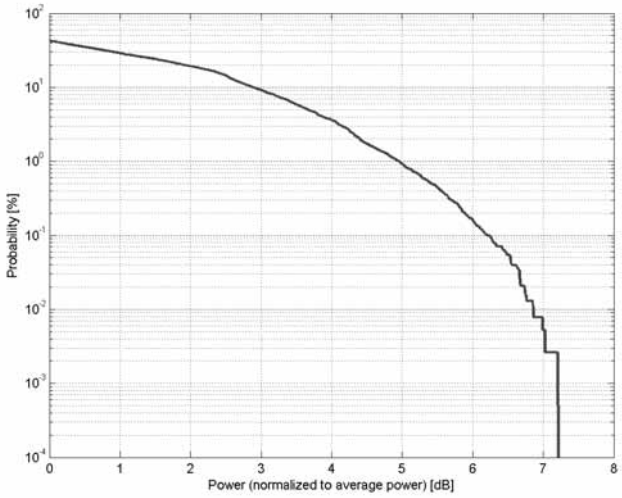
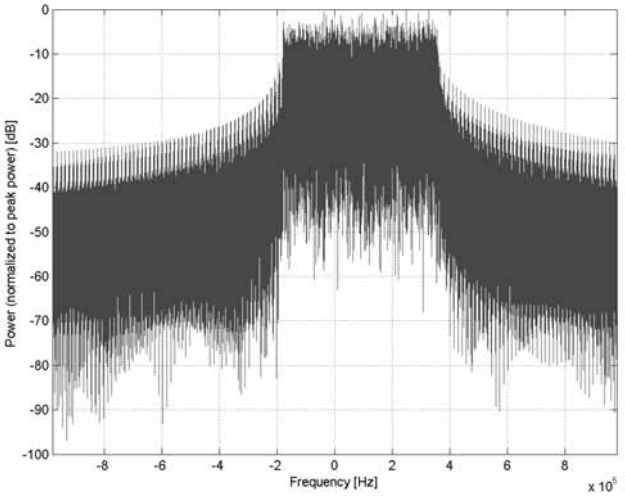
Name:	**LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10167-CAG
PAR: [1]	**6.21 dB**
MIF: [2]	**-12.15 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 3 Transport Block Size: 840 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

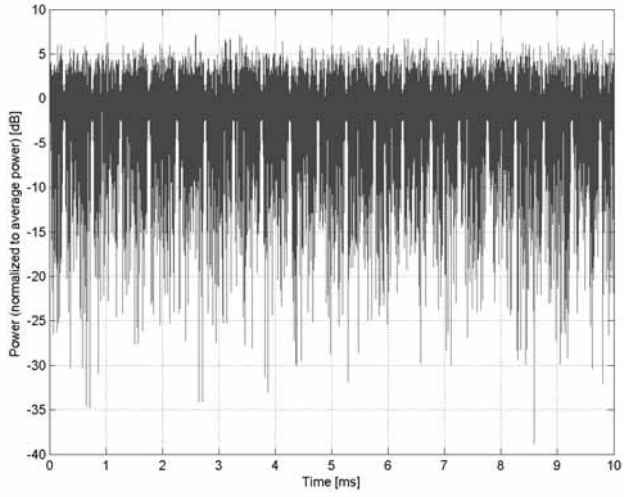
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

Calibration Laboratory of
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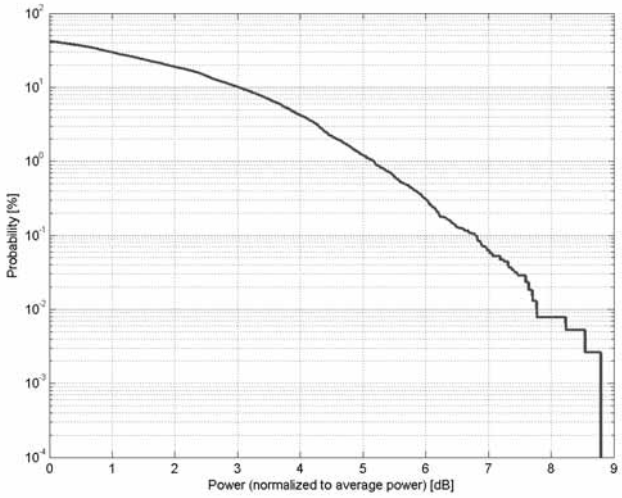
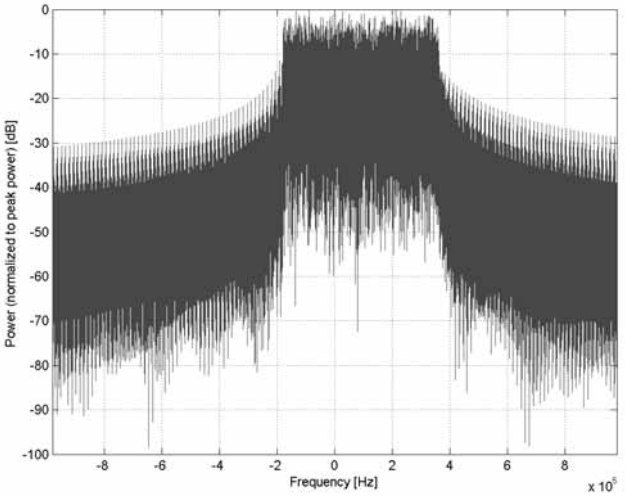
Name:	**LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10168-CAG
PAR: [1]	**6.79 dB**
MIF: [2]	**-12.10 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 12 (699.0 - 716.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 3 Transport Block Size: 1736 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	1.4 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

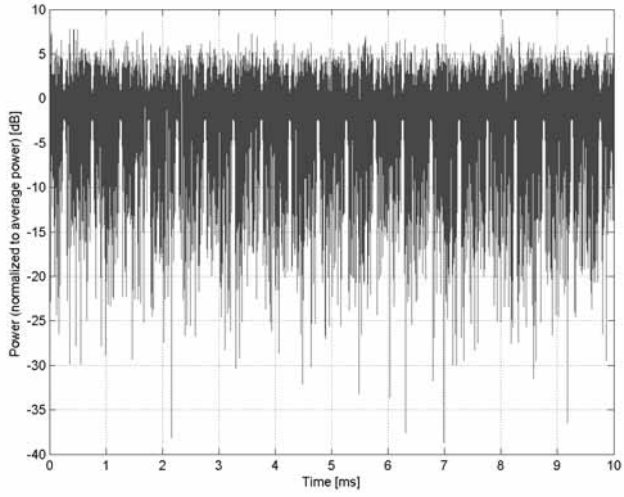
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



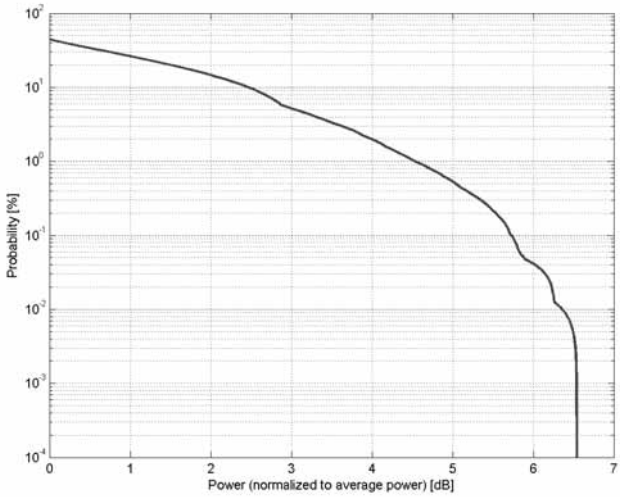
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

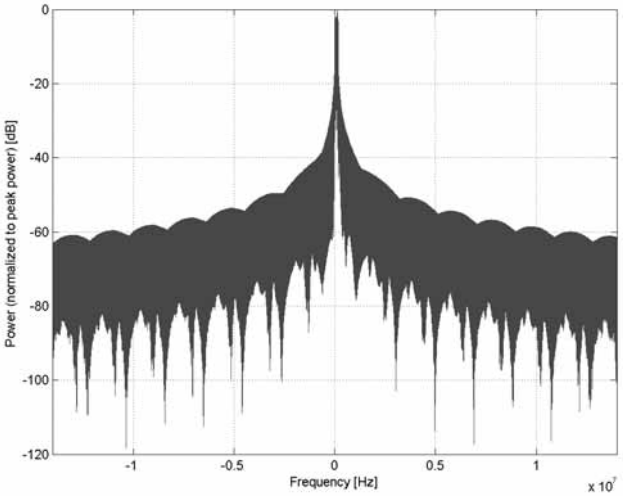
Name:	**LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)**
Group:	LTE-FDD
UID:	10169-CAF
PAR: [1]	**5.73 dB**
MIF: [2]	**-15.63 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1 Transport Block Size: 72 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

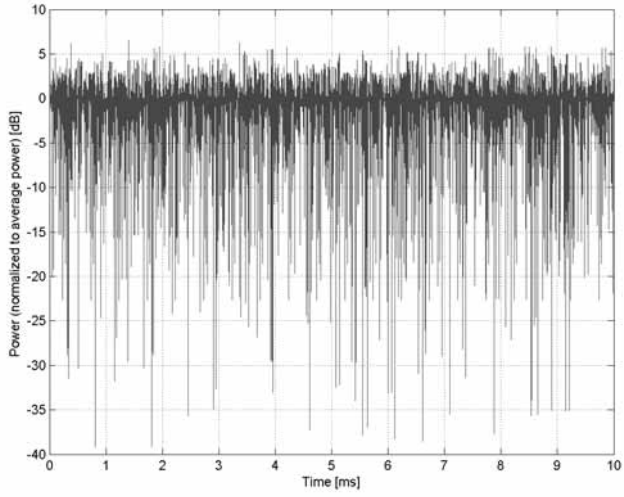
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



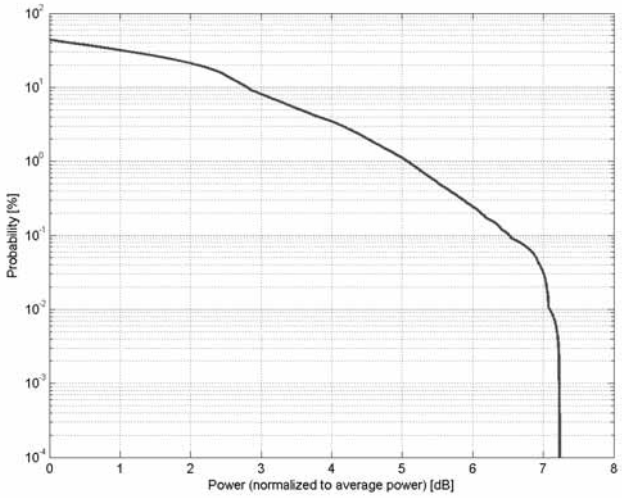
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

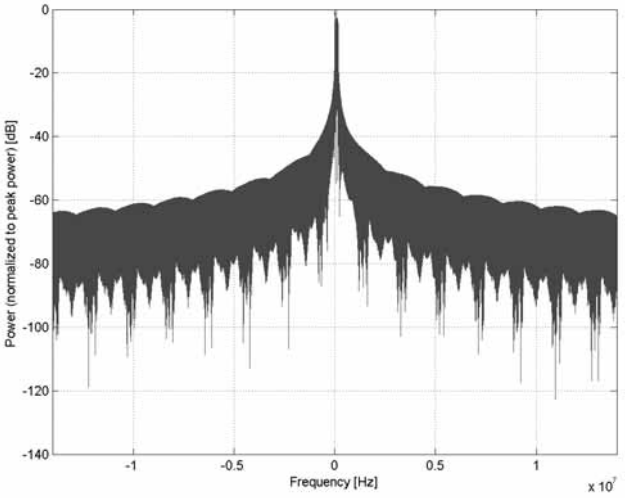
Name:	**LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10170-CAF
PAR: [1]	**6.52 dB**
MIF: [2]	**-9.76 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

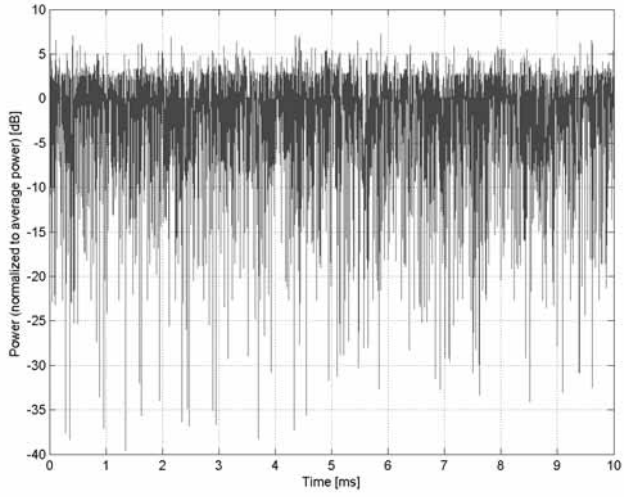
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



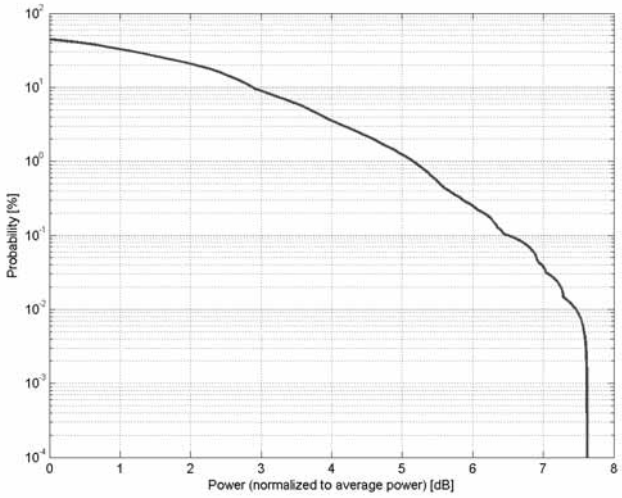
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

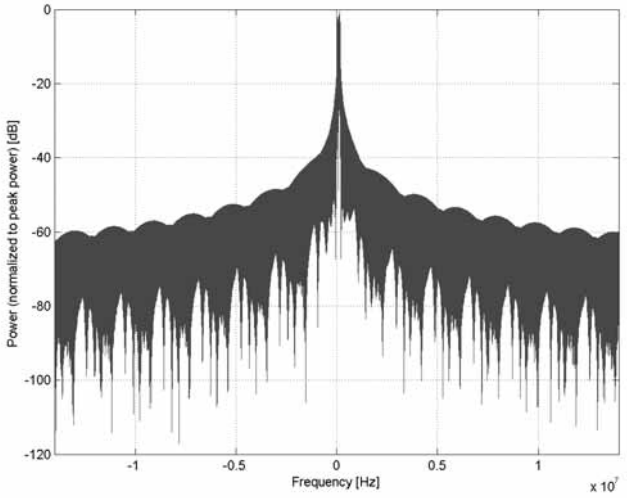
Name:	**LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10171-AAF
PAR: [1]	**6.49 dB**
MIF: [2]	**-9.93 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 552 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	20.0 MHz
Integration Time:	100.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

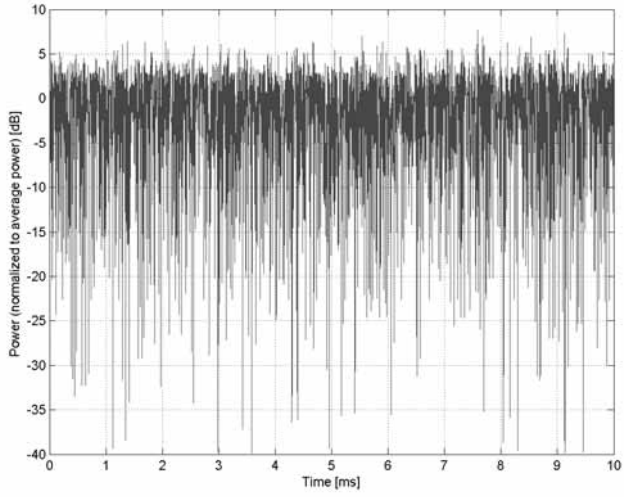
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



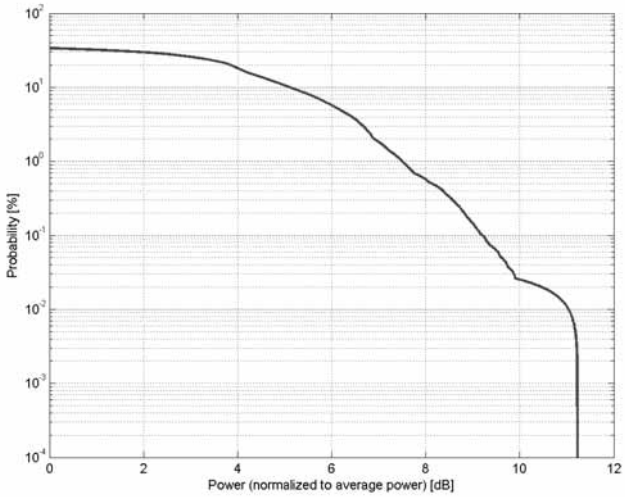
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

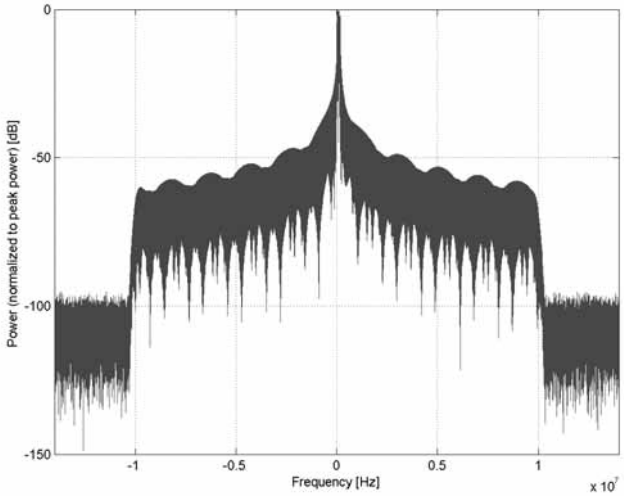
Name:	**LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)**
Group:	LTE-TDD
UID:	10172-CAH
PAR: [1]	**9.21 dB**
MIF: [2]	**-1.62 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: QPSK Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

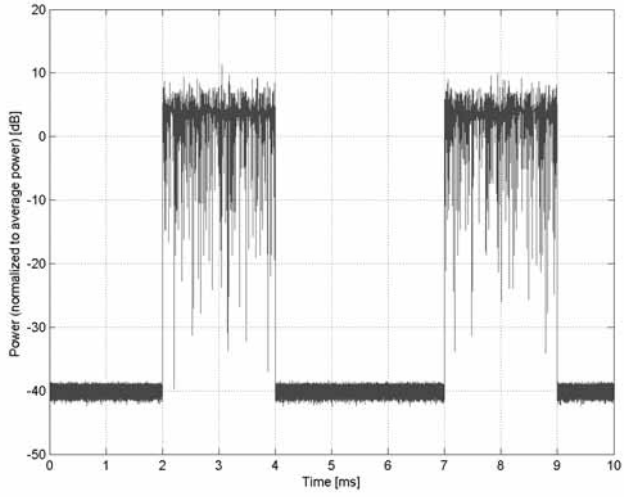
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



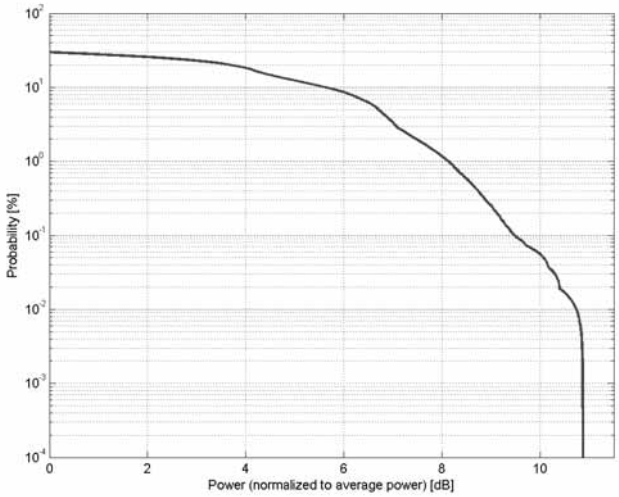
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

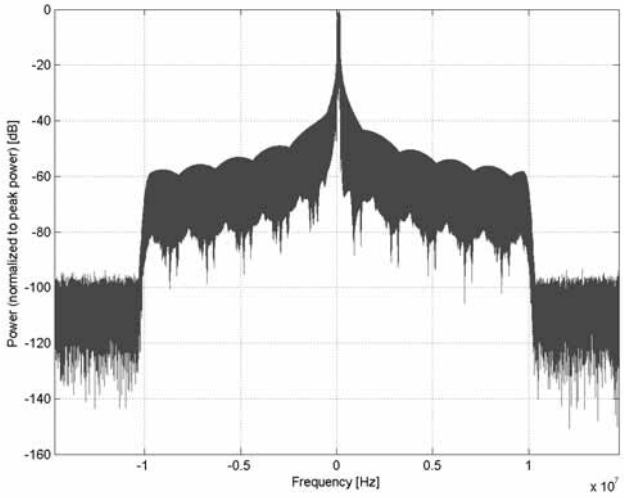
Name:	**LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)**
Group:	LTE-TDD
UID:	10173-CAH
PAR: [1]	**9.48 dB**
MIF: [2]	**-1.44 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v02
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 16QAM Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	6.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

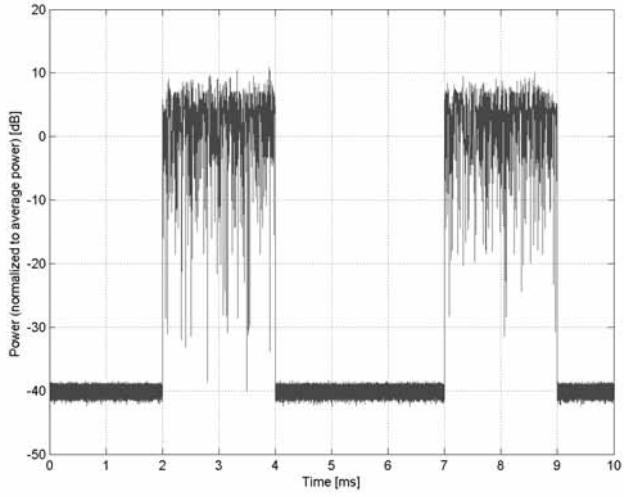
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



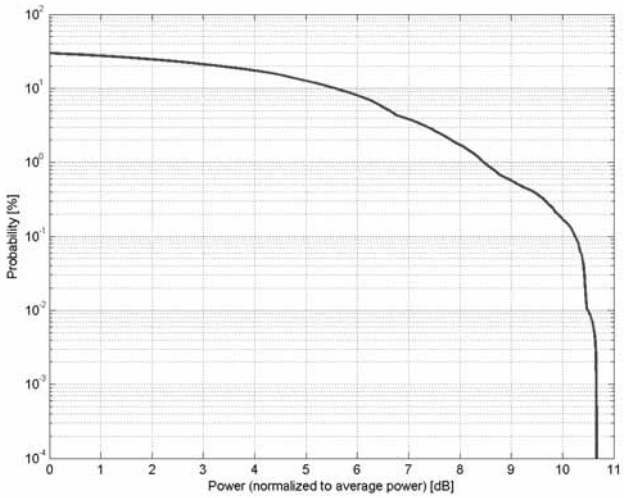
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

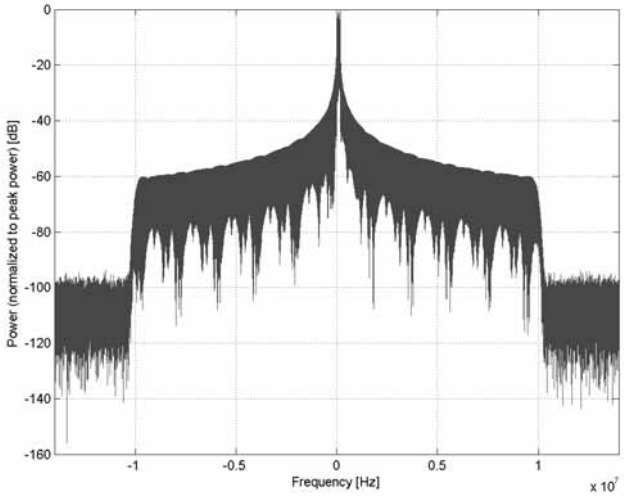
Name:	**LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)**
Group:	LTE-TDD
UID:	10174-CAH
PAR: [1]	**10.25 dB**
MIF: [2]	**-1.54 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 33 (1900.0 - 1920.0 MHz) Band 35 (1850.0 - 1910.0 MHz) Band 36 (1930.0 - 1990.0 MHz) Band 37 (1910.0 - 1930.0 MHz) Band 38 (2570.0 - 2620.0 MHz) Band 39 (1880.0 - 1920.0 MHz) Band 40 (2300.0 - 2400.0 MHz) Band 41 (2496.0 - 2690.0 MHz) Band 42 (3400.0 - 3600.0 MHz) Band 43 (3600.0 - 3800.0 MHz) Band 44 (703.0 - 803.0 MHz) Band 45 (1447.0 - 1467.0 MHz) Band 46 (5150.0 - 5925.0 MHz) Band 47 (5855.0 - 5925.0 MHz) Band 48 (3550.0 - 3700.0 MHz) Band 49 (3550.0 - 3700.0 MHz) Band 50 (1432.0 - 1517.0 MHz) Band 52 (3300.0 - 3400.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 64QAM Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix
Bandwidth:	20.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

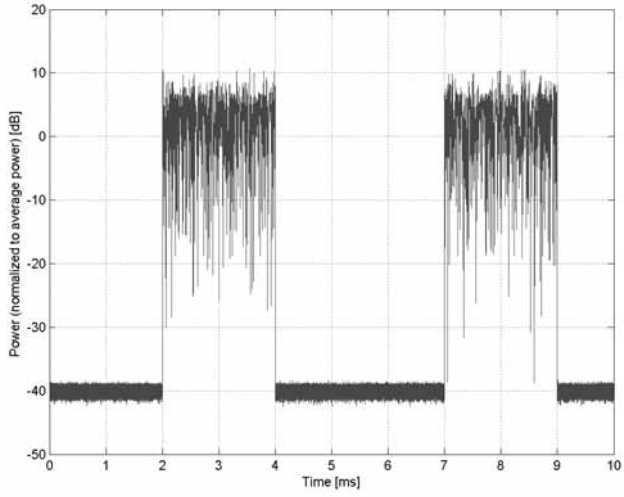
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



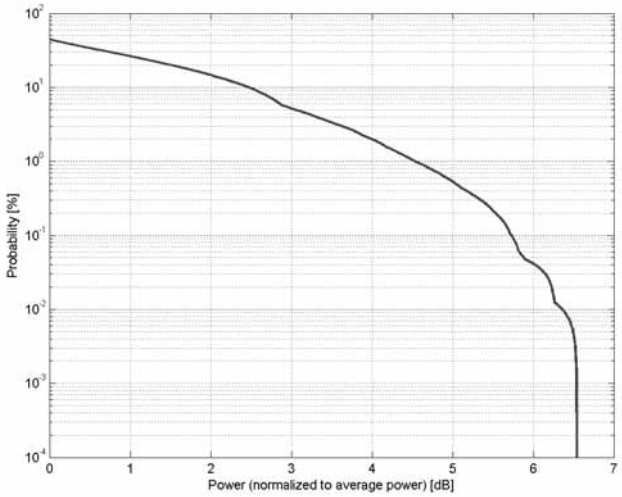
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

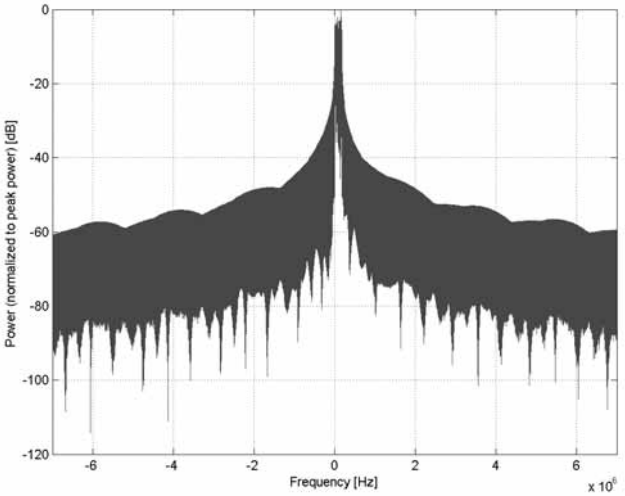
Name:	**LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)**
Group:	LTE-FDD
UID:	10175-CAH
PAR: [1]	**5.72 dB**
MIF: [2]	**-15.63 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1 Transport Block Size: 72 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

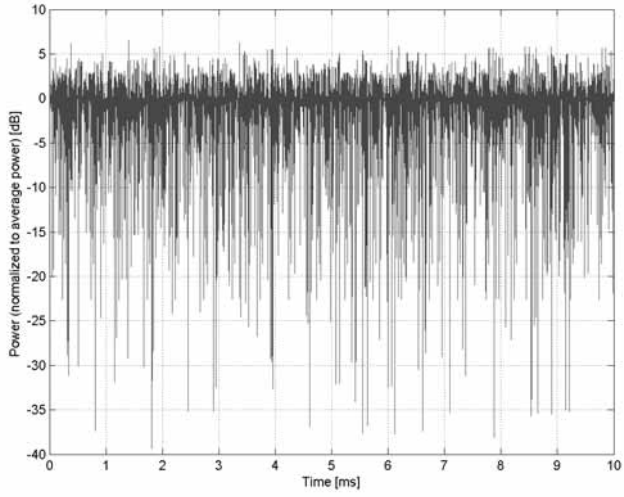
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



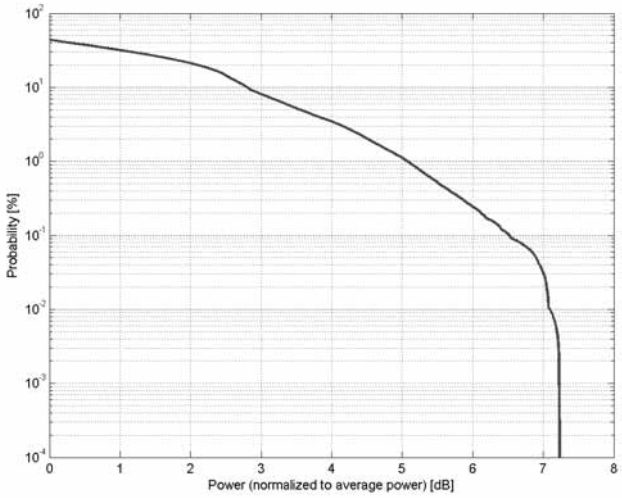
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

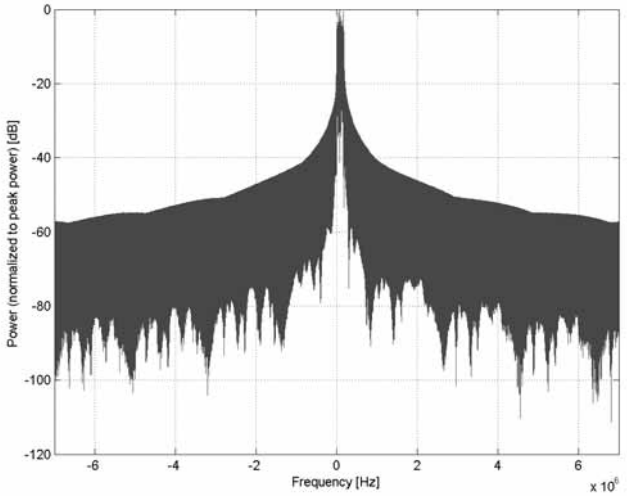
Name:	**LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10176-CAH
PAR: [1]	**6.52 dB**
MIF: [2]	**-9.76 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

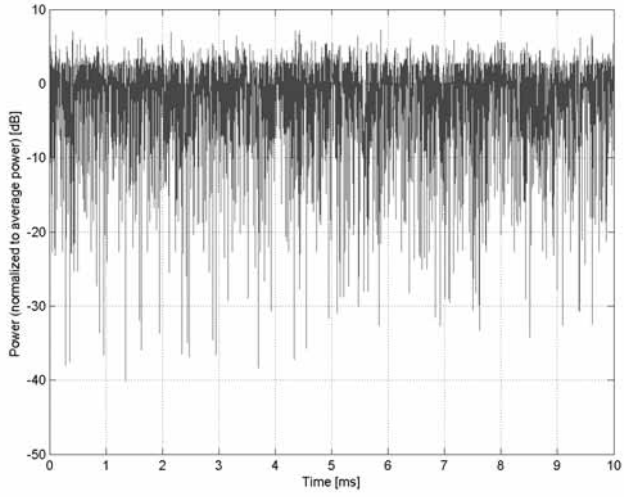
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



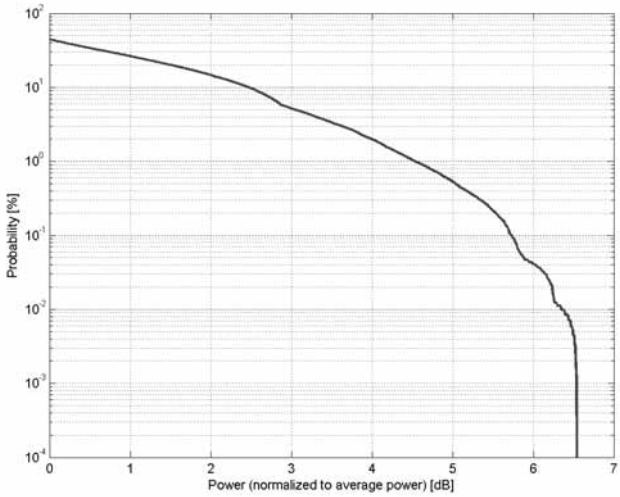
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

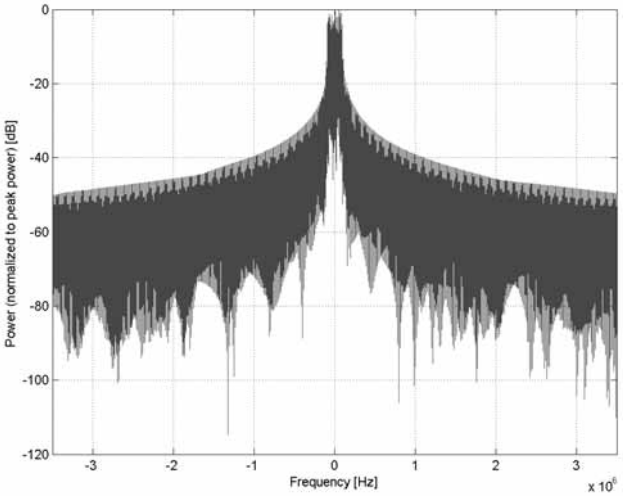
Name:	**LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)**
Group:	LTE-FDD
UID:	10177-CAJ
PAR: [1]	**5.73 dB**
MIF: [2]	**-15.63 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	QPSK
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: QPSK Data Type: UL-SCH Number RB: 1 Transport Block Size: 72 TBS Index: 5 MCS Index: 5 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

[1] PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

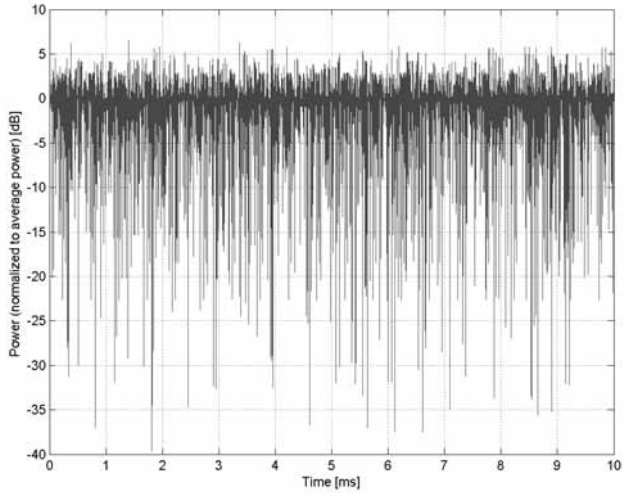
[2] Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



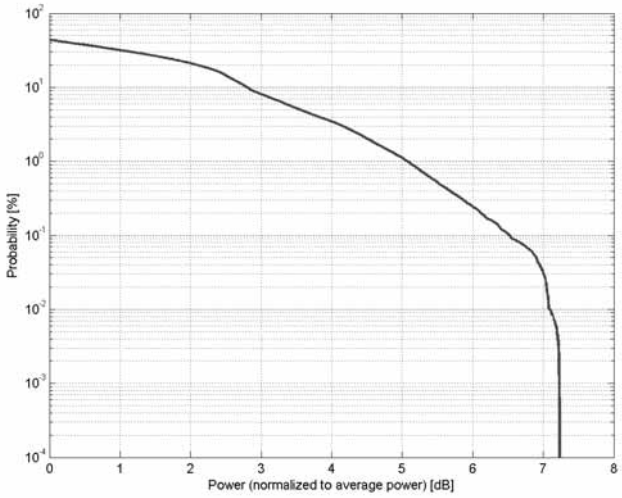
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

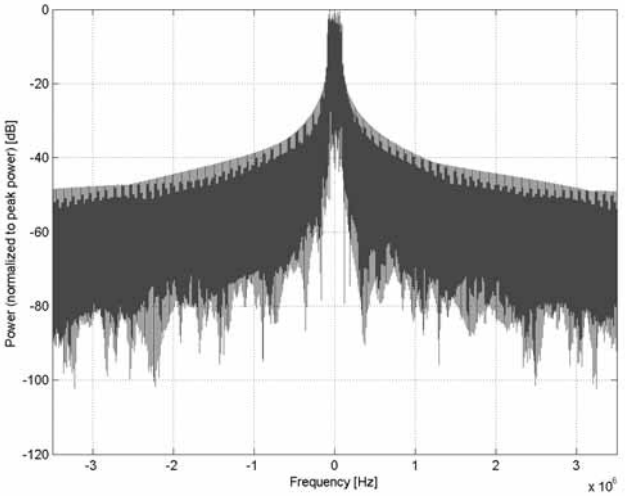
Name:	**LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)**
Group:	LTE-FDD
UID:	10178-CAH
PAR: [1]	**6.52 dB**
MIF: [2]	**-9.76 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	16-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 31 (452.5 - 457.5 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 72 (451.0 - 456.0 MHz) Band 73 (450.0 - 455.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14 MCS Index: 15 Data Type: PN9
Bandwidth:	5.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

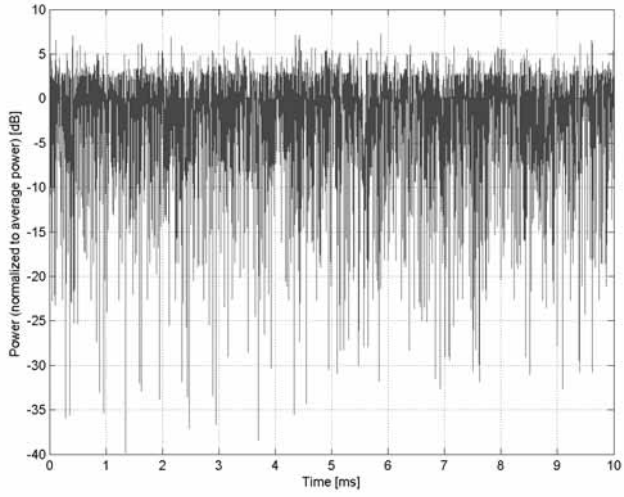
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



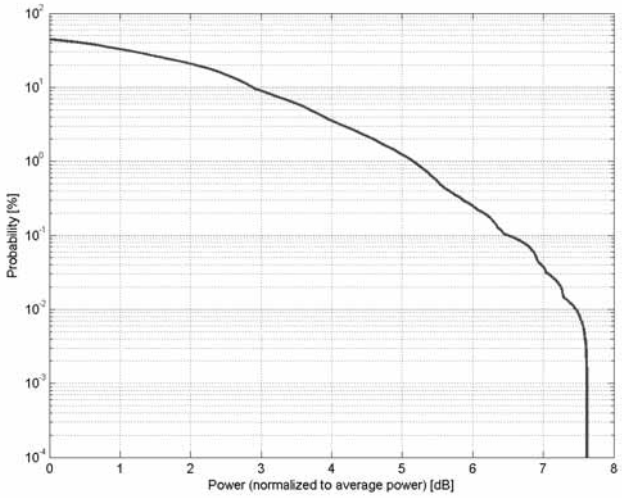
Time Domain

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

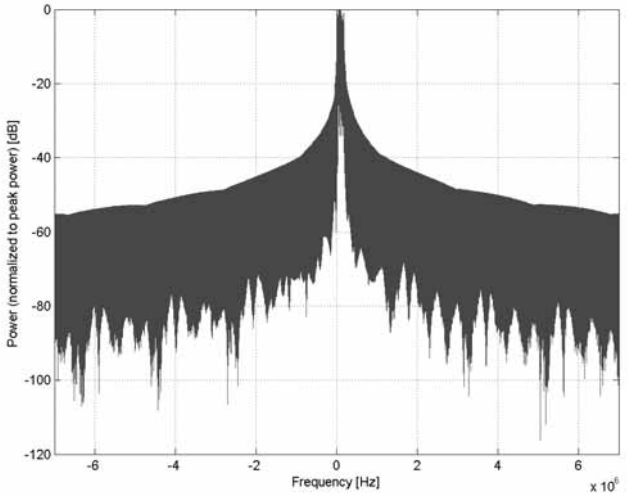
Name:	**LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)**
Group:	LTE-FDD
UID:	10179-CAH
PAR: [1]	**6.50 dB**
MIF: [2]	**-9.93 dB**
Standard Reference:	3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01
Category:	Random amplitude modulation
Modulation:	64-QAM
Frequency Band:	Band 1 (1920.0 - 1980.0 MHz) Band 2 (1850.0 - 1910.0 MHz) Band 3 (1710.0 - 1785.0 MHz) Band 4 (1710.0 - 1755.0 MHz) Band 5 (824.0 - 849.0 MHz) Band 6 (830.0 - 840.0 MHz) Band 7 (2500.0 - 2570.0 MHz) Band 8 (880.0 - 915.0 MHz) Band 9 (1749.9 - 1784.9 MHz) Band 10 (1710.0 - 1770.0 MHz) Band 11 (1427.9 - 1447.9 MHz) Band 12 (699.0 - 716.0 MHz) Band 13 (777.0 - 787.0 MHz) Band 14 (788.0 - 798.0 MHz) Band 17 (704.0 - 716.0 MHz) Band 18 (815.0 - 830.0 MHz) Band 19 (830.0 - 845.0 MHz) Band 20 (832.0 - 862.0 MHz) Band 21 (1447.9 - 1462.9 MHz) Band 22 (3410.0 - 3490.0 MHz) Band 23 (2000.0 - 2020.0 MHz) Band 24 (1626.5 - 1660.5 MHz) Band 25 (1850.0 - 1915.0 MHz) Band 26 (814.0 - 849.0 MHz) Band 27 (807.0 - 824.0 MHz) Band 28 (703.0 - 748.0 MHz) Band 30 (2305.0 - 2315.0 MHz) Band 65 (1920.0 - 2010.0 MHz) Band 66 (1710.0 - 1780.0 MHz) Band 68 (698.0 - 728.0 MHz) Band 70 (1695.0 - 1710.0 MHz) Band 71 (663.0 - 698.0 MHz) Band 74 (1427.0 - 1470.0 MHz) Band 85 (698.0 - 716.0 MHz) Validation band (0.0 - 6000.0 MHz)
Detailed Specification:	Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 64QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 552 TBS Index: 23 MCS Index: 25 Data Type: PN9
Bandwidth:	10.0 MHz
Integration Time:	10.0 ms

1 PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"'

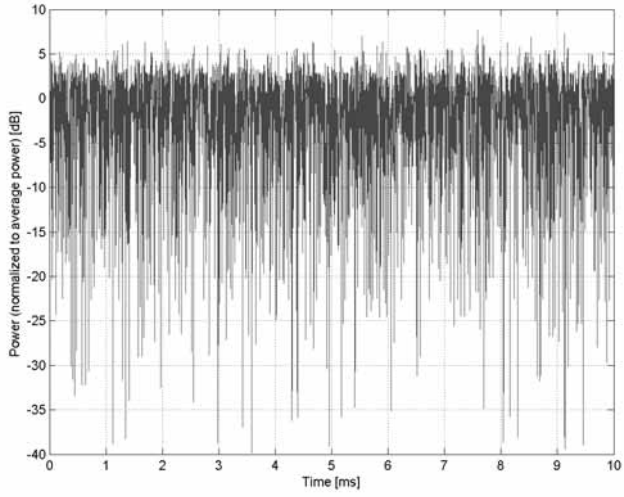
2 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain