



REPORT No.: SZ25060449S02

## Annex C Test Results of Distortion and Noise

Sample Technique				2N Mounting Force		8N Mounting Force	
Air Interface	Radio Configuration	Channel	Nominal Center Frequency (Hz)	AMR-NB	AMR-WB	AMR-NB	AMR-WB
				12.2kps	14.5kps	12.2kps	14.5kps
				Distortion and Noise (dB)			
GSM 850	GSM Voice	189	250		33.67		36.72
			400		36.12		38.97
			400	29.20	33.36	32.47	36.21
			500	29.71	37.42	31.76	40.27
			630	28.90	36.67	31.40	39.52
			800	29.51	35.29	32.00	38.14
			1000	28.42	35.78	30.49	38.61
			1250	28.70	35.59	31.32	38.44
			1600	29.11	36.35	33.04	39.20
			2000	30.72	39.28	36.45	42.13
			2500	30.65	39.44	34.45	42.29
			3150	32.11	39.40	36.57	42.25
			4000		36.38		39.23
			5000		40.44		42.28
			5000		35.09		37.55
			315		37.34		39.80
400	32.98	34.58	34.03	37.04			
500	31.08	38.64	32.98	41.10			
630	33.05	37.89	35.20	40.35			
800	34.71	36.51	38.06	38.97			
1000	32.68	36.98	33.22	39.44			
1250	33.59	36.81	34.14	39.27			
1600	29.35	37.57	31.38	40.03			
2000	30.86	40.50	35.44	42.96			
2500	33.55	40.66	35.03	43.12			
3150	32.06	40.62	33.48	43.08			
4000		37.60		40.06			
5000		39.06		41.22			
5000		36.43		38.16			
315		38.68		40.41			
400	31.87	38.32	34.09	37.66			
500	30.72	39.58	31.84	41.71			
630	32.00	39.23	33.53	40.96			
800	33.55	37.85	34.71	39.58			
1000	34.61	38.32	35.85	40.05			
1250	29.80	38.15	31.03	39.88			
1600	31.65	38.91	32.43	40.64			
2000	34.78	41.84	35.59	43.57			
2500	34.25	42.00	35.31	43.73			
3150	33.71	41.96	34.77	43.69			
4000		38.94		40.67			
5000		40.53		41.39			
5000		33.88		36.17			
315		36.11		38.42			
400	33.68	33.35	34.74	35.66			
500	32.67	37.41	31.25	39.72			
630	32.14	36.66	33.53	38.97			
800	32.32	35.28	35.06	37.59			
1000	32.68	35.75	33.15	38.06			
1250	30.67	35.58	29.05	37.29			
1600	29.88	36.34	31.25	38.65			
2000	36.25	39.27	37.48	41.58			
2500	32.69	39.43	35.88	41.74			
3150	34.58	39.39	36.04	41.70			
4000		36.37		38.68			
5000		41.08		42.15			
250		41.28		43.20			
315		41.33		42.14			
400	33.89	39.19	34.22	42.35			
500	32.03	39.79	33.54	40.51			
630	31.81	40.98	32.57	41.57			
800	33.67	42.11	34.17	43.05			
1000	33.07	41.08	33.96	43.42			
1250	31.93	40.79	32.54	42.73			
1600	33.87	42.78	36.05	43.66			
2000	37.90	41.85	39.57	42.93			
2500	36.75	42.61	38.02	42.55			
3150	32.16	40.98	33.46	41.38			
4000		43.60		45.30			
5000		43.96		45.04			
250		40.67		43.01			
315		41.21		44.95			
400	34.32	38.65	37.41	41.13			
500	31.35	40.11	33.23	42.46			
630	34.50	39.70	35.03	43.09			
800	33.09	42.27	33.80	42.16			
1000	34.30	39.38	35.21	42.25			
1250	32.39	40.74	34.89	43.41			
1600	33.97	41.88	35.05	42.45			
2000	38.45	41.27	39.23	42.51			
2500	33.38	40.82	34.16	41.90			
3150	30.91	41.37	33.06	42.71			
4000		43.95		42.29			
5000		44.02		46.75			
250		40.64		41.78			
315		38.36		43.57			
400	35.90	41.80	36.51	42.44			
500	33.92	39.62	34.77	41.51			
630	33.22	41.71	34.19	43.28			
800	33.76	40.01	34.53	42.70			
1000	30.16	40.43	32.42	44.12			
1250	32.19	39.15	33.66	42.08			
1600	34.37	42.91	35.22	43.41			
2000	37.90	42.06	38.19	45.33			
2500	33.81	37.49	34.05	40.88			
3150	32.02	39.17	33.51	42.17			
4000		43.03		45.36			
5000		42.15		44.28			
250		46.59		50.52			
315		44.11		52.31			
400	37.77	47.15	41.37	51.18			
500	35.79	45.37	39.63	50.25			
630	35.09	47.46	39.05	52.02			
800	35.63	45.76	39.39	51.44			
1000	32.00	46.18	37.28	52.86			
1250	34.06	44.90	38.52	50.82			
1600	36.24	48.66	40.08	52.15			
2000	39.77	47.81	43.05	54.07			
2500	35.68	43.24	38.91	49.62			
3150	33.89	44.92	38.37	50.91			
4000		48.78		54.10			
5000		47.59		49.02			
250		39.96		41.61			
315		41.32		43.16			
400	34.86	39.41	35.03	40.39			
500	31.25	40.86	34.77	43.07			
630	33.88	41.32	34.19	42.44			
800	30.83	41.21	31.88	40.84			

LTE Band 12	QPSK / 10M / 1RB Offset	23095	1000	35.92	41.52	36.85	42.98
			1250	33.19	40.42	33.68	39.99
			1600	32.17	42.85	34.43	44.11
			2000	35.21	41.87	37.81	41.50
			2500	33.90	41.70	34.59	40.63
			3150	32.82	40.12	34.91	43.54
			4000		42.73		43.55
			5000		43.00		45.06
			250		41.35		43.38
			315		40.80		40.28
			400	34.90	39.24	36.74	41.93
LTE Band 13	QPSK / 10M / 1RB Offset	23230	500	34.16	41.11	38.04	42.03
			630	33.28	41.57	35.08	43.29
			800	30.78	38.77	34.53	40.92
			1000	31.91	41.58	36.39	43.73
			1250	31.75	39.11	32.22	44.13
			1600	35.28	42.36	36.74	42.64
			2000	36.99	40.44	38.10	41.74
			2500	33.81	41.07	35.53	42.53
			3150	34.66	40.51	35.19	45.86
			4000		42.35		44.48
			5000		43.29		45.18
LTE Band 66	QPSK / 20M / 1RB Offset	132322	250		39.61		42.28
			315		40.60		42.04
			400	32.50	37.96	34.91	39.71
			500	34.30	43.04	38.38	40.89
			630	30.81	40.98	37.04	42.52
			800	32.26	40.97	38.07	43.72
			1000	31.45	42.20	35.85	40.61
			1250	33.18	41.98	37.26	39.43
			1600	34.19	41.68	35.48	43.93
			2000	35.93	40.14	39.97	42.78
			2500	33.86	41.09	36.51	41.68
3150	34.83	39.19	38.35	42.61			
4000		41.90		41.13			
5000		42.34		43.55			
250		40.01		42.12			
315		33.01		36.05			
400	32.81	35.58	33.90	37.98			
500	29.20	36.04	35.35	38.18			
630	31.63	41.49	35.86	41.96			
800	28.78	45.04	32.15	45.17			
1000	33.87	42.58	34.28	47.22			
1250	31.14	39.98	33.81	42.14			
1600	30.12	41.81	34.86	43.61			
2000	33.16	37.68	37.83	36.08			
2500	31.85	34.27	34.92	36.93			
3150	30.77	47.46	34.40	50.12			
4000		45.83		48.49			
5000		43.76		45.23			
250		41.28		46.06			
315		35.15		35.90			
400	36.42	40.88	37.69	42.13			
500	37.53	32.55	38.87	35.86			
630	43.25	41.04	43.34	42.97			
800	42.14	42.66	45.44	45.18			
1000	43.82	41.27	45.60	45.29			
1250	44.03	41.69	44.88	43.33			
1600	41.40	45.11	44.68	45.54			
2000	36.11	33.68	37.28	39.24			
2500	37.32	38.40	42.07	42.28			
3150	50.47	48.37	52.04	52.23			
4000		46.28		50.14			
5000		44.36		48.22			
250		39.59		43.77			
315		30.86		34.51			
400	35.13	39.60	36.40	40.84			
500	36.24	31.28	37.58	34.57			
630	41.96	39.75	42.05	41.68			
800	40.85	41.37	44.15	43.89			
1000	42.53	39.98	44.31	44.00			
1250	42.74	40.40	43.59	42.04			
1600	40.11	43.62	43.39	47.25			
2000	34.82	32.39	35.96	37.95			
2500	36.03	37.11	40.78	40.97			
3150	49.18	47.08	50.75	50.94			
4000		44.99		48.85			
5000		43.07		46.93			
250		40.18		40.04			
315		30.83		34.30			
400	36.18	33.30	38.46	37.45			
500	33.18	32.77	37.05	34.64			
630	42.21	40.45	44.28	40.65			
800	41.44	42.85	42.39	41.45			
1000	40.82	39.52	41.37	43.34			
1250	42.82	42.20	43.19	41.81			
1600	43.88	42.88	46.28	43.82			
2000	36.75	31.16	40.28	34.14			
2500	35.84	35.32	41.83	40.84			
3150	48.68	47.28	51.80	50.81			
4000		45.15		49.72			
5000		46.01		47.95			
250		42.77		43.65			
315		33.64		36.79			
400	37.22	42.38	40.91	43.28			
500	35.19	38.52	34.28	39.40			
630	40.58	42.53	40.76	43.41			
800	41.97	44.15	42.54	45.03			
1000	42.54	43.25	42.30	44.13			
1250	40.44	43.18	41.87	44.59			
1600	42.18	46.60	42.69	47.48			
2000	37.86	35.17	34.35	37.11			
2500	38.03	39.89	38.93	40.77			
3150	48.00	49.88	49.18	50.74			
4000		47.77		48.65			
5000		45.85		46.73			
250		41.87		45.43			
315		32.74		36.30			
400	36.04	41.48	42.09	45.04			
500	34.01	37.62	35.44	41.18			
630	39.40	41.63	41.94	45.19			
800	40.79	43.25	43.72	46.81			
1000	41.36	42.35	43.48	45.91			
1250	39.28	42.28	43.05	45.84			
1600	41.00	45.70	43.87	46.26			
2000	33.70	34.27	35.53	37.83			
2500	36.85	38.99	41.11	42.55			
3150	46.82	48.96	48.53	52.52			
4000		46.87		50.43			
5000		44.95		48.51			