



REPORT No.: SZ24020168S02

## Annex C Test Results Data of Distortion and Noise

Sample Technique			2N Mounting Force				8N Mounting Force				
Air Interface	Modulation / Mode	Channel	AMR-NB 12.2Kbps		AMR-WB 23.85 Kbps		AMR-NB 12.2Kbps		AMR-WB 23.85Kbps		
			Nominal Center Frequency (Hz)	Distortion and Noise (dB)	Frequency Response	Distortion and Noise (dB)	Frequency Response	Distortion and Noise (dB)	Frequency Response	Distortion and Noise (dB)	Frequency Response
GSM 850	GSM Voice	189	250			46.28					46.92
			315			42.54					42.73
			400	46.51		46.32		46.92		46.70	
			500	46.02		43.93		48.21		45.99	
			630	47.92		47.73		48.11		47.99	
			800	45.75		45.56		45.94		45.72	
			1000	43.41	PASS	43.22	PASS	43.60	PASS	43.38	
			1250	41.65		41.46		41.84		41.62	
			1600	43.81		43.62		44.00		43.78	
			2000	44.16		43.97		44.35		44.13	
			2500	46.01		45.82		46.20		45.98	
			3150	46.22		46.14		46.48		46.26	
			4000			44.19				44.29	
			5000			41.05				41.45	
GSM 1900	GSM Voice	861	250			46.42					47.11
			315			42.38					42.92
			400	46.39		46.20		46.54		46.73	
			500	45.90		45.71		45.83		46.02	
			630	47.80		47.61		47.73		47.62	
			800	45.63		45.44		45.56		45.75	
			1000	43.29	PASS	43.10	PASS	43.22	PASS	43.41	
			1250	41.53		41.34		41.46		41.65	
			1600	43.69		43.50		43.62		43.81	
			2000	44.04		43.85		43.97		44.16	
			2500	45.89		45.70		45.82		46.01	
			3150	46.19		46.22		46.10		46.29	
			4000			44.08				44.48	
			5000			41.35				41.64	
WCDMA II	AMR 12.2Kbps	9400	250			46.59					46.88
			315			43.02					42.69
			400	46.83		46.44		46.26		46.03	
			500	46.14		45.95		45.77		45.54	
			630	48.04		47.85		47.67		47.44	
			800	45.97		45.68		45.50		45.27	
			1000	43.53	PASS	43.34	PASS	43.16	PASS	42.93	
			1250	41.77		41.58		41.40		41.17	
			1600	43.93		43.74		43.56		43.33	
			2000	44.28		44.09		43.91		43.68	
			2500	46.13		45.94		45.76		45.53	
			3150	46.18		46.49		46.31		46.08	
			4000			45.32				44.25	
			5000			42.28				41.41	
WCDMA IV	AMR 12.2Kbps	1413	250			47.01					47.54
			315			45.23					45.78
			400	46.09		46.28		46.97		47.50	
			500	45.80		45.79		46.48		47.01	
			630	47.50		47.69		48.38		48.91	
			800	45.33		45.52		46.21		46.74	
			1000	42.99	PASS	43.18	PASS	43.87	PASS	44.40	
			1250	41.23		41.42		42.11		42.64	
			1600	43.39		43.58		44.27		44.80	
			2000	43.74		43.93		44.62		45.15	
			2500	45.59		45.78		46.47		47.00	
			3150	45.94		46.72		47.41		47.94	
			4000			44.09				44.62	
			5000			43.11				43.64	
WCDMA V	AMR 12.2Kbps	4182	250			46.85					47.35
			315			45.17					45.67
			400	45.55		44.92		46.78		47.31	
			500	45.06		44.43		46.29		46.82	
			630	46.96		46.33		48.19		48.72	
			800	44.79		44.16		46.02		46.55	
			1000	42.45	PASS	41.82	PASS	43.68	PASS	44.21	
			1250	40.69		40.06		41.92		42.45	
			1600	42.85		42.22		44.06		44.61	
			2000	43.20		42.57		44.43		44.96	
			2500	45.05		44.42		46.28		46.81	
			3150	45.38		46.77		47.22		47.75	
			4000			44.38				44.43	
			5000			43.24				43.45	
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250			47.23					48.38
			315			40.69					41.22
			400	39.68		40.58		41.58		41.69	
			500	41.32		42.22		43.22		43.18	
			630	40.41		41.31		42.31		42.07	
			800	40.84		41.03		41.00		42.26	
			1000	41.26	PASS	41.07	PASS	42.11	PASS	42.08	
			1250	37.79		37.65		38.03		37.96	
			1600	38.94		38.08		38.59		38.44	
			2000	45.38		45.66		45.24		45.09	
			2500	46.11		46.28		46.13		46.24	
			3150	39.42		39.32		39.46		39.59	
			4000			44.37				45.28	
			5000			44.19				44.37	
LTE Band 4	QPSK / 20M / 1RB Offset	20175	250			46.69					46.90
			315			40.15					42.06
			400	40.22		40.04		42.12		42.23	
			500	41.86		41.68		43.76		43.72	
			630	40.95		40.77		42.85		42.61	
			800	41.38		40.49		41.54		42.80	
			1000	41.80	PASS	40.53	PASS	42.65	PASS	42.62	
			1250	36.33		37.11		36.57		36.50	
			1600	39.48		37.54		39.13		38.98	
			2000	45.92		45.12		45.79		45.63	
			2500	46.65		45.74		46.67		46.78	
			3150	39.96		38.78		40.00		40.13	
			4000			43.83				45.82	
			5000			43.65				44.91	
LTE Band 5	QPSK / 10M / 1RB Offset	20625	250			46.16					48.37
			315			39.62					41.53
			400	39.69		39.51		41.59		41.70	
			500	41.33		41.15		43.23		43.19	
			630	40.42		40.24		42.32		42.08	
			800	40.85		39.96		41.01		42.27	
			1000	41.27	PASS	40.00	PASS	42.12	PASS	42.09	
			1250	37.80		36.58		38.04		37.97	
			1600	38.95		37.01		38.60		38.45	
			2000	45.39		44.59		45.25		45.10	
			2500	46.12		45.21		46.14		46.25	
			3150	39.43		38.25		39.47		39.60	
			4000			43.30				45.29	
			5000			43.12				44.38	
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250			45.07					47.29
			315			38.53					40.44
			400	38.60		38.42		40.50		40.61	
			500	40.24		40.06		42.14		42.10	
			630	39.33		39.15		41.23		40.99	
			800	39.76		38.87		39.92		41.16	
			1000	40.18	PASS	38.91	PASS	41.03	PASS	41.00	
			1250	36.71		35.49		36.95		36.88	
			1600	37.86		36.92		37.51		37.36	
			2000	44.30		43.50		44.16		44.01	
			2500	45.03		44.12		45.05		45.16	
			3150	38.34		37.16		38.38		38.51	
			4000			42.21				44.20	
			5000			42.03				43.29	
LTE Band 17	QPSK / 10M / 1RB Offset	23790	250			44.20					46.41
			315			37.66					39.57
			400	37.73		37.55		39.63		39.74	
			500	39.37		39.19		41.27		41.23	
			630	38.46		38.28		40.36		40.12	
			800	39.99		39.03		39.95		40.31	
			1000	39.31	PASS	38.04	PASS	40.16	PASS	40.13	
			1250	35.84		34.62		36.08		36.01	
			1600	36.99		36.05		36.64		36.49	
			2000	43.43		42.63		43.29		43.14	
			2500	44.16		43.25		44.18		44.29	
			3150	37.47		36.29		37.51		37.64	

LTE Band 66	QPSK / 20M / 1RB Offset	132322	4000		41.34		43.33
			5000		41.16		42.42
			250		40.92		40.13
			315		40.38		42.29
			400	40.45	40.27	42.35	42.46
			500	42.09	41.91	43.99	43.95
			630	41.18	41.00	43.08	42.84
			800	41.81	40.72	41.77	43.03
			1000	42.03	40.78	42.88	42.85
			1250	38.56	37.34	38.80	38.73
			1600	39.71	37.77	39.38	39.21
			2000	40.15	45.35	46.01	45.86
			2500	46.88	45.97	46.90	47.01
			3150	40.19	39.01	40.23	40.38
			4000		44.06		46.05
5000		43.88		45.14			
250		35.98		37.61			
315		35.16		37.02			
400	39.41	39.30	41.47	41.38			
500	40.21	40.10	42.27	42.09			
630	35.81	35.73	37.92	37.78			
800	38.54	38.38	40.71	40.64			
1000	38.93	38.76	40.99	40.95			
1250	33.88	33.79	35.73	35.60			
1600	37.43	37.30	39.36	39.23			
2000	35.78	35.72	37.94	37.81			
2500	36.31	36.26	38.45	38.33			
3150	39.48	39.45	41.70	41.64			
4000		35.66		37.79			
5000		34.81		36.72			
250		35.74		36.88			
315		35.23		37.02			
400	37.13	36.95	39.35	39.24			
500	37.91	37.85	40.14	40.02			
630	33.44	33.34	35.91	35.77			
800	36.33	36.27	38.73	38.56			
1000	36.87	36.81	39.00	38.75			
1250	31.76	31.64	33.77	33.51			
1600	35.19	35.00	37.16	36.88			
2000	33.82	33.75	35.89	35.76			
2500	34.10	33.96	36.25	36.03			
3150	37.98	37.21	39.60	39.29			
4000		35.87		38.02			
5000		35.44		36.11			
250		37.32		38.11			
315		37.09		38.03			
400	36.37	36.33	40.64	40.55			
500	39.26	39.25	41.43	41.38			
630	34.93	35.91	37.02	36.95			
800	37.65	37.54	39.77	39.72			
1000	38.03	37.95	40.14	40.03			
1250	32.88	32.82	34.82	34.77			
1600	36.62	36.55	38.51	38.46			
2000	34.94	34.89	37.09	36.98			
2500	35.47	35.42	37.63	37.47			
3150	38.68	38.61	40.84	40.69			
4000		36.11		38.11			
5000		35.47		38.32			
250		37.41		38.20			
315		37.18		38.12			
400	39.28	38.42	40.55	40.64			
500	39.17	39.34	41.34	41.47			
630	34.84	36.00	38.93	37.04			
800	37.56	37.63	39.68	39.61			
1000	37.94	38.04	40.05	40.12			
1250	32.79	32.91	34.73	34.86			
1600	36.53	36.67	38.42	38.55			
2000	34.85	34.98	37.00	37.07			
2500	35.38	35.51	37.54	37.56			
3150	38.58	38.70	40.75	40.78			
4000		36.20		38.20			
5000		35.56		38.41			
250		39.95		41.72			
315		39.18		41.13			
400	43.29	43.11	45.70	45.53			
500	44.20	44.08	46.51	46.38			
630	39.87	39.75	42.13	42.06			
800	42.55	42.43	44.96	44.81			
1000	43.08	43.02	45.17	45.02			
1250	38.10	37.99	39.94	39.84			
1600	41.33	41.17	43.36	43.27			
2000	40.01	39.90	42.09	42.01			
2500	40.20	40.19	42.42	42.22			
3150	43.54	43.42	45.95	45.79			
4000		39.80		41.94			
5000		38.95		40.97			