



REPORT No.: SZ24040390S02

Annex C Test Results of Distortion and Noise

Sample Technique			2N Mounting Force				8N Mounting Force				
Air Interface	Modulation / Mode	Channel	Nominal Center Frequency (Hz)	AMR-NB 12.2Kbps		AMR-WB 23.85Kbps		AMR-NB 12.2Kbps		AMR-WB 23.85Kbps	
				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			37.47					38.23
			315			39.72					40.48
			400	36.56		36.96		37.32		37.72	
			500	40.62		41.02		41.38		41.78	
			630	39.87		40.27		40.63		41.03	
			800	38.49		38.89		39.25		39.65	
			1000	38.96	PASS	39.36	PASS	39.72	PASS	40.12	
			1250	38.79		39.19		39.55		39.95	
			1600	39.55		39.95		40.31		40.71	
			2000	42.48		42.88		43.24		43.64	
			2500	42.64		43.04		43.40		43.80	
			3150	42.60		43.00		43.36		43.76	
			4000			39.98				40.74	
			5000			40.54				41.30	
GSM 1900	GSM Voice	661	250			37.96					39.00
			315			40.21					41.25
			400	37.05		37.45		38.09		38.49	
			500	41.11		41.51		42.15		42.55	
			630	40.36		40.76		41.40		41.80	
			800	38.98		39.38		40.02		40.42	
			1000	39.45	PASS	39.85	PASS	40.49	PASS	40.89	
			1250	39.28		39.68		40.32		40.72	
			1600	40.04		40.44		41.08		41.48	
			2000	42.97		43.37		44.01		44.41	
			2500	43.13		43.53		44.17		44.57	
			3150	43.09		43.49		44.13		44.53	
			4000			40.47				41.51	
			5000			41.03				42.07	
WCDMA II	AMR 12.2Kbps	9400	250			39.07					40.11
			315			41.32					42.36
			400	39.06		38.56		40.10		39.60	
			500	43.12		42.62		44.16		43.66	
			630	42.37		41.87		43.41		42.91	
			800	40.99		40.49		42.03		41.53	
			1000	41.46	PASS	40.96	PASS	42.50	PASS	42.00	
			1250	41.29		40.79		42.33		41.83	
			1600	42.05		41.55		43.09		42.59	
			2000	44.98		44.48		46.02		45.52	
			2500	45.14		44.64		46.18		45.68	
			3150	45.10		44.60		46.14		45.64	
			4000			41.58				42.62	
			5000			42.14				43.18	
WCDMA IV	AMR 12.2Kbps	1413	250			39.97					40.92
			315			42.22					43.17
			400	40.26		39.46		41.21		40.41	
			500	44.32		43.52		45.27		44.47	
			630	43.57		42.77		44.52		43.72	
			800	42.19		41.39		43.14		42.34	
			1000	42.66	PASS	41.86	PASS	43.61	PASS	42.81	
			1250	42.49		41.69		43.44		42.64	
			1600	43.25		42.45		44.20		43.40	
			2000	46.18		45.38		47.13		46.33	
			2500	46.34		45.54		47.29		46.49	
			3150	46.30		45.50		47.25		46.45	
			4000			42.48				43.43	
			5000			43.04				43.99	
WCDMA V	AMR 12.2Kbps	4182	250			37.87					38.82
			315			40.12					41.07
			400	37.86		37.36		38.81		38.31	
			500	41.92		41.42		42.87		42.37	
			630	41.17		40.67		42.12		41.62	
			800	39.79		39.29		40.74		40.24	
			1000	40.26	PASS	39.76	PASS	41.21	PASS	40.71	
			1250	40.09		39.59		41.04		40.54	
			1600	40.85		40.35		41.80		41.30	
			2000	43.78		43.28		44.73		44.23	
			2500	43.94		43.44		44.89		44.39	
			3150	43.90		43.40		44.85		44.35	
			4000			40.38				41.33	
			5000			40.94				41.89	
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250			37.21					38.16
			315			39.46					40.41
			400	37.20		36.70		38.15		37.65	
			500	41.26		40.76		42.21		41.71	
			630	40.51		40.01		41.46		40.96	
			800	39.13		38.63		40.08		39.58	
			1000	39.60	PASS	39.10	PASS	40.55	PASS	40.05	
			1250	39.43		38.93		40.38		39.88	
			1600	40.19		39.69		41.14		40.64	
			2000	43.12		42.62		44.07		43.57	
			2500	43.28		42.78		44.23		43.73	
			3150	43.24		42.74		44.19		43.69	
			4000			39.72				40.67	
			5000			40.28				41.23	
			250			43.25					45.14

LTE Band 5	QPSK / 10M / 1RB Offset	20525	315		33.15		34.60
			400	38.52	36.24	34.97	34.67
			500	32.58	34.59	39.53	40.26
			630	35.48	36.72	37.75	39.07
			800	34.42	35.35	35.92	36.78
			1000	36.03	34.01	38.88	36.38
			1250	35.15	34.39	34.92	37.25
			1600	37.46	38.98	34.49	36.14
			2000	47.01	44.76	43.00	44.88
			2500	49.61	45.78	41.59	43.30
			3150	35.23	36.11	41.44	40.18
			4000		42.47		39.43
			5000		38.62		39.57
			LTE Band 7	QPSK / 20M / 1RB Offset	21100	250	
315		41.04					41.99
400	38.78	38.28				39.73	39.23
500	42.84	42.34				43.79	43.29
630	42.09	41.59				43.04	42.54
800	40.71	40.21				41.66	41.16
1000	41.18	40.68				42.13	41.63
1250	41.01	40.51				41.96	41.46
1600	41.77	41.27				42.72	42.22
2000	44.70	44.20				45.65	45.15
2500	44.86	44.36				45.81	45.31
3150	44.82	44.32				45.77	45.27
4000		41.30					42.25
5000		41.86					42.81
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250		43.26		41.98
			315		36.45		37.30
			400	37.59	40.21	36.09	37.12
			500	36.65	37.94	40.67	39.50
			630	38.62	39.66	40.31	42.12
			800	37.80	36.23	36.94	38.34
			1000	35.83	36.51	39.04	37.69
			1250	36.54	35.62	36.05	38.90
			1600	38.56	39.84	38.60	39.45
			2000	43.69	42.01	45.53	48.08
			2500	50.94	50.11	40.39	42.94
			3150	37.02	35.41	39.48	41.21
			4000		45.90		41.99
			5000		47.03		46.14
LTE Band 66	QPSK / 20M / 1RB Offset	132322	250		44.61		43.22
			315		35.52		35.87
			400	39.17	39.76	35.42	36.89
			500	35.73	34.53	38.40	39.77
			630	36.11	37.52	41.15	37.67
			800	34.80	35.10	36.54	37.20
			1000	36.14	34.90	38.57	36.72
			1250	34.47	35.11	34.35	35.27
			1600	40.78	36.44	37.36	38.74
			2000	45.56	44.39	43.57	46.38
			2500	48.82	49.70	40.08	39.75
			3150	34.20	36.22	42.33	45.76
			4000		43.74		40.30
			5000		40.68		47.60
LTE Band 71	QPSK / 20M / 1RB Offset	133332	250		42.95		42.74
			315		38.17		37.69
			400	38.19	39.47	34.91	35.67
			500	36.05	38.40	39.38	41.73
			630	37.68	37.32	37.86	39.17
			800	35.74	36.16	36.48	37.76
			1000	33.51	34.58	35.24	38.18
			1250	35.20	34.18	35.14	35.94
			1600	35.85	39.72	36.41	37.36
			2000	45.84	47.70	46.70	45.59
			2500	49.88	47.87	41.19	40.59
			3150	35.97	35.47	38.21	39.34
			4000		43.21		39.34
			5000		46.69		48.26
WLAN 2.4GHz	802.11n20 MCS0	6	250		44.90		44.69
			315		40.12		39.64
			400	40.14	41.42	36.86	37.62
			500	38.00	40.35	41.33	43.68
			630	39.63	39.27	39.81	41.12
			800	37.69	38.11	38.43	39.71
			1000	35.46	36.53	37.19	40.13
			1250	37.15	36.13	37.09	37.89
			1600	37.80	41.67	38.36	39.31
			2000	47.79	49.65	48.65	47.54
			2500	51.83	49.82	43.14	42.54
			3150	37.92	37.42	40.16	41.29
			4000		45.16		41.29
			5000		48.64		50.21