



REPORT No.: SZ24050296S02

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 12.65Kbps		AMR-NB 12.2Kbps		AMR-WB 12.65Kbps	
				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			35.76				36.72	
			315			38.01				38.97	
			400	35.29		35.25		35.67		36.21	
			500	39.35		39.31		39.73		40.27	
			630	38.60		38.56		38.98		39.52	
			800	37.22		37.18		37.60		38.14	
			1000	37.69	PASS	37.65	PASS	38.07	PASS	38.61	PASS
			1250	37.52		37.48		37.90		38.44	
			1600	38.28		38.24		38.66		39.20	
			2000	41.21		41.17		41.59		42.13	
			2500	41.37		41.33		41.75		42.29	
			3150	41.33		41.29		41.71		42.25	
			4000			38.27				39.23	
			5000			38.83				39.79	
GSM 1900	GSM Voice	661	250			36.58				37.32	
			315			38.83				39.57	
			400	35.50		36.07		36.50		36.81	
			500	39.56		40.13		40.56		40.87	
			630	38.81		39.38		39.81		40.12	
			800	37.43		38.00		38.43		38.74	
			1000	37.90	PASS	38.47	PASS	38.90	PASS	39.21	PASS
			1250	37.73		38.30		38.73		39.04	
			1600	38.49		39.06		39.49		39.80	
			2000	41.42		41.99		42.42		42.73	
			2500	41.58		42.15		42.58		42.89	
			3150	41.54		42.11		42.54		40.85	
			4000			39.09				41.38	
			5000			39.65				42.39	
WCDMA II	AMR 12.2Kbps	9400	250			36.38				37.55	
			315			38.63				39.80	
			400	36.24		35.87		37.30		37.04	
			500	40.30		39.93		41.36		41.10	
			630	39.55		39.18		40.61		40.35	
			800	38.17		37.80		39.23		38.97	
			1000	38.64	PASS	38.27	PASS	39.70	PASS	39.44	PASS
			1250	38.47		38.10		39.53		39.27	
			1600	39.23		38.86		40.29		40.03	
			2000	42.16		41.79		41.22		42.96	
			2500	42.32		41.95		42.38		43.12	
			3150	42.28		41.91		42.19		43.08	
			4000			38.89				40.06	
			5000			39.45				40.62	
WCDMA IV	AMR 12.2Kbps	1413	250			37.33				38.16	
			315			39.58				40.41	
			400	37.56		36.82		38.51		37.65	
			500	41.62		40.88		42.57		41.71	
			630	40.87		40.13		41.82		40.96	
			800	39.49		38.75		40.44		39.58	
			1000	39.96	PASS	39.22	PASS	40.91	PASS	40.05	PASS
			1250	39.79		39.05		40.74		39.88	
			1600	40.55		39.81		41.50		40.64	
			2000	42.48		42.74		41.43		43.57	
			2500	41.64		42.90		42.59		43.73	
			3150	40.60		42.86		42.55		43.69	
			4000			39.84				40.67	
			5000			40.40				41.23	
WCDMA V	AMR 12.2Kbps	4182	250			35.05				36.17	
			315			37.30				38.42	
			400	35.10		34.54		36.11		35.66	
			500	39.16		38.60		40.17		39.72	
			630	38.41		37.85		39.42		38.97	
			800	37.03		36.47		38.04		37.59	
			1000	37.50	PASS	36.94	PASS	38.51	PASS	38.06	PASS
			1250	37.33		36.77		38.34		37.89	
			1600	38.09		37.53		39.10		38.65	
			2000	41.02		40.46		42.03		41.58	
			2500	41.18		40.62		42.19		41.74	
			3150	41.14		40.58		42.15		41.70	
			4000			37.56				38.68	
			5000			38.12				39.24	
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250			41.26				43.20	
			315			41.33				42.14	
			400	40.63		39.19		40.01		42.35	
			500	40.05		39.79		41.83		40.51	
			630	41.52		40.98		42.66		41.57	
			800	40.48		42.11		41.19		43.05	
			1000	42.74	PASS	41.08	PASS	40.88	PASS	43.42	PASS
			1250	40.30		40.79		42.20		42.73	
			1600	39.65		42.78		40.14		43.66	
			2000	40.21		41.85		42.26		42.93	
			2500	40.70		42.61		40.36		42.55	
			3150	39.61		40.98		41.01		41.38	
			4000			43.60				45.30	
			5000			46.81				44.89	
LTE Band 5	QPSK / 10M / 1RB Offset	20525	250			41.75				43.01	
			315			42.39				44.96	
			400	40.56		39.83		39.94		41.13	
			500	39.75		41.29		40.78		42.46	
			630	42.27		40.88		41.29		43.09	
			800	41.38		43.45		43.14		42.16	
			1000	41.81	PASS	40.56	PASS	41.66	PASS	42.25	PASS
			1250	40.43		41.92		40.29		43.41	
			1600	41.14		43.06		41.58		42.45	
			2000	40.94		42.45		43.49		42.51	
			2500	40.94		42.00		40.55		41.90	
			3150	41.15		42.55		41.79		42.71	
			4000			45.13				42.29	
			5000			44.08				46.55	
LTE Band 7	QPSK / 20M / 1RB Offset	21100	250			42.42				41.78	
			315			40.14				43.57	
			400	40.26		43.58		41.85		42.44	
			500	39.46		41.40		40.58		41.51	
			630	41.82		43.49		42.14		43.28	
			800	40.25		41.79		41.46		42.70	
			1000	40.21	PASS	42.21	PASS	43.30	PASS	44.12	PASS
			1250	39.70		40.93		41.87		42.08	
			1600	42.68		44.69		41.51		43.41	
			2000	41.57		43.84		42.81		45.33	
			2500	41.71		39.27		37.95		40.88	
			3150	40.27		40.95		41.35		42.17	
			4000			44.81				45.36	
			5000			42.95				44.12	
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250			40.83				41.81	
			315			42.29				43.16	
			400	39.45		40.38		42.00		40.39	
			500	40.77		41.83		40.44		43.07	
			630	41.38		42.29		41.63		42.44	
			800	40.99		42.18		42.29		40.84	
			1000	39.89	PASS	42.49	PASS	40.11	PASS	42.98	PASS
			1250	43.22		41.39		42.25		39.91	
			1600	40.36		43.52		40.66		44.11	
			2000	41.61		42.84		39.76		41.50	
			2500	42.00		42.67		41.14		40.63	
			3150	41.48		41.09		42.75		43.54	
			4000			43.70				43.55	
			5000			44.17				45.96	



LTE Band 13	QPSK / 10M / 1RB Offset	23230	250		PASS	42.29		PASS	43.38	PASS
			315			41.74			40.28	
			400	37.19		40.18	40.04		41.83	
			500	40.11		42.05	41.68		42.03	
			630	40.63		42.51	40.69		43.29	
			800	41.89		39.71	42.10		40.92	
			1000	39.25		42.52	40.99		43.73	
			1250	41.44		40.05	42.05		44.13	
			1600	40.78		43.30	41.33		42.64	
			2000	40.94		41.38	42.29		41.74	
			2500	40.36		42.01	41.03		42.53	
			3150	42.88		41.45	43.86		45.86	
			4000			43.29			44.48	
			5000			46.17			45.18	
			250			40.64			42.65	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	315		PASS	41.21		PASS	42.83	PASS
			400	40.17		40.98	39.11		40.36	
			500	41.75		40.55	40.18		42.54	
			630	42.08		43.18	42.21		41.93	
			800	40.26		42.11	41.46		43.81	
			1000	40.06		41.56	40.68		42.57	
			1250	40.25		42.23	41.55		43.02	
			1600	42.71		40.26	42.71		41.43	
			2000	42.22		43.16	41.23		43.02	
			2500	41.51		40.28	41.21		41.59	
			3150	42.40		40.58	42.78		41.50	
			4000			45.21			45.63	
			5000			43.82			44.88	
			250			40.70			42.26	
			315			41.69			42.04	
LTE Band 71	QPSK / 20M / 1RB Offset	133332	400	39.63	PASS	39.05	41.34	PASS	39.71	PASS
			500	41.60		44.13	41.22		40.69	
			630	40.44		42.05	39.89		42.52	
			800	41.06		41.66	40.08		43.72	
			1000	41.48		43.29	42.07		40.61	
			1250	40.34		43.07	42.55		39.43	
			1600	40.97		42.77	41.41		43.93	
			2000	41.18		41.23	41.81		42.76	
			2500	42.18		42.18	42.37		41.68	
			3150	39.43		40.28	43.31		42.61	
			4000			42.99			41.13	
			5000			45.34			42.90	
			250			40.89			42.12	
			315			33.89			36.05	
			400	36.27		35.58	37.04		37.56	
WLAN 2.4GHz	802.11b	7	500	34.12	PASS	36.04	33.57	PASS	35.18	PASS
			630	42.99		41.49	42.97		41.96	
			800	44.14		45.04	42.44		45.17	
			1000	42.98		42.58	44.09		47.22	
			1250	42.21		41.74	43.61		42.14	
			1600	42.59		43.57	45.23		43.61	
			2000	35.55		32.88	34.14		36.08	
			2500	35.27		36.03	36.17		36.93	
			3150	49.31		49.22	50.21		50.12	
			4000			47.59			48.49	
			5000			46.38			47.28	
			250			42.14			41.02	
			315			32.89			35.28	
			400	35.13		35.26	34.20		38.43	
			500	36.24		34.73	33.28		35.62	
WLAN 5.2GHz	802.11a	44	630	41.96	PASS	42.41	41.00	PASS	41.63	PASS
			800	40.85		44.81	44.15		42.43	
			1000	42.53		41.48	42.46		44.32	
			1250	42.74		44.16	41.15		42.79	
			1600	40.11		44.84	43.39		44.80	
			2000	34.82		33.12	34.10		35.12	
			2500	36.03		37.28	40.78		41.82	
			3150	49.18		49.04	50.75		51.79	
			4000			47.11			49.70	
			5000			46.23			47.78	
			250			42.16			41.71	
			315			33.66			35.59	
			400	36.18		38.40	35.69		38.54	
			500	33.18		32.59	37.05		35.18	
			630	42.21		44.13	41.41		44.19	
WLAN 5.3GHz	802.11a	60	800	41.44	PASS	40.02	39.75	PASS	42.65	PASS
			1000	40.82		42.13	41.37		44.16	
			1250	42.82		43.60	40.35		42.83	
			1600	43.88		45.43	39.55		47.09	
			2000	36.75		33.49	36.21		34.73	
			2500	35.84		38.98	41.83		42.87	
			3150	48.66		48.95	51.80		52.84	
			4000			48.06			50.75	
			5000			47.53			48.83	
			250			40.87			40.42	
			315			32.37			34.30	
			400	34.89		37.11	34.40		37.25	
			500	31.89		31.30	35.76		33.89	
			630	40.92		42.84	40.12		42.90	
			800	40.15		38.73	38.46		41.36	
WLAN 5.5GHz	802.11a	120	1000	39.53	PASS	40.84	40.08	PASS	42.87	PASS
			1250	41.53		42.31	39.06		41.54	
			1600	42.59		44.14	38.26		45.80	
			2000	35.46		32.20	34.62		33.44	
			2500	34.55		37.69	40.54		41.58	
			3150	47.37		47.66	50.51		51.55	
			4000			46.77			49.46	
			5000			46.24			47.54	
			250			41.95			44.77	
			315			32.82			34.51	
			400	37.22		41.56	40.91		40.84	
			500	35.19		33.22	34.26		34.57	
			630	40.58		41.71	40.76		41.68	
			800	41.97		43.33	42.54		43.89	
			1000	42.54		41.94	42.30		44.00	
WLAN 5.8GHz	802.11a	157	1250	40.44	PASS	42.36	41.87	PASS	42.04	PASS
			1600	42.18		45.78	42.69		47.25	
			2000	31.88		34.35	34.35		37.95	
			2500	38.03		39.07	39.93		40.97	
			3150	48.00		49.04	49.90		50.94	
			4000			46.95			48.85	
			5000			45.03			46.93	
			250							
			315							
			400							