



REPORT No.: SZ24040089S02

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				39.46				41.32	
			315				46.53				48.60	
			400	37.03		36.88		38.95		38.84		
			500	40.86		40.72		42.81		42.73		
			630	43.75		43.66		46.22		46.08		
			800	39.41		39.27		41.73		41.62		
			1000	38.82	PASS	38.75	PASS	40.92	PASS	40.81	PASS	
			1250	39.65		39.53		41.28		41.16		
			1600	48.72		48.64		51.16		51.03		
			2000	47.60		47.48		49.68		49.49		
			2500	48.54		48.39		50.75		50.58		
			3150	40.47		40.31		43.15		43.02		
			4000			42.45				44.33		
			5000					37.72			39.29	
GSM 1900	GSM Voice	661	250				39.25				41.04	
			315				46.71				48.47	
			400	37.15		37.02		39.02		38.79		
			500	40.49		40.35		42.53		42.49		
			630	43.84		43.77		46.47		46.25		
			800	39.22		39.20		41.39		41.12		
			1000	38.59	PASS	38.47	PASS	40.68	PASS	40.55	PASS	
			1250	38.41		38.26		41.36		41.26		
			1600	48.66		48.53		51.08		50.89		
			2000	47.37		47.18		49.44		49.27		
			2500	48.28		48.09		50.37		50.20		
			3150	40.61		40.44		43.25		43.11		
			4000			42.26				44.34		
			5000					37.91			39.25	
WCDMA II	AMR 12.2Kbps	9400	250				39.13				40.95	
			315				46.64				48.52	
			400	36.53		36.44		38.76		38.63		
			500	40.56		40.33		42.71		42.49		
			630	44.19		44.08		46.42		46.25		
			800	39.32		39.24		41.26		41.09		
			1000	38.74	PASS	38.66	PASS	40.83	PASS	40.75	PASS	
			1250	39.27		39.15		41.11		41.03		
			1600	48.89		48.75		51.23		51.12		
			2000	47.44		47.29		49.75		49.64		
			2500	48.35		48.21		50.60		50.49		
			3150	40.63		40.57		43.42		43.20		
			4000			42.34				44.27		
			5000					37.59			39.08	
WCDMA IV	AMR 12.2Kbps	1413	250				39.33				41.12	
			315				46.43				48.63	
			400	36.75		36.49		38.84		38.72		
			500	40.61		40.42		42.80		42.69		
			630	44.23		44.09		46.27		46.22		
			800	39.27		39.11		41.33		41.18		
			1000	38.82	PASS	38.60	PASS	40.75	PASS	40.57	PASS	
			1250	39.34		39.22		41.22		41.08		
			1600	48.95		48.78		51.09		51.01		
			2000	47.29		47.25		49.84		49.66		
			2500	48.47		48.36		50.69		50.47		
			3150	40.72		40.59		43.31		43.16		
			4000			42.23				44.33		
			5000					37.78			39.15	
WCDMA V	AMR 12.2Kbps	4182	250				39.23				41.16	
			315				46.45				48.39	
			400	36.81		36.72		38.75		38.61		
			500	40.41		40.25		42.82		42.75		
			630	44.30		44.18		46.36		46.29		
			800	39.25		39.14		41.41		41.37		
			1000	38.93	PASS	38.82	PASS	40.55	PASS	40.50	PASS	
			1250	39.15		39.07		41.32		41.26		
			1600	48.66		48.59		51.16		51.07		
			2000	47.27		47.17		49.63		49.54		
			2500	48.30		48.26		50.72		50.65		
			3150	40.47		40.38		43.22		43.13		
			4000			42.45				44.30		
			5000					37.63			39.22	
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250				39.77				41.08	
			315				46.29				48.37	
			400	37.02		36.82		39.91		39.02		
			500	40.68		40.61		42.80		42.71		
			630	44.37		44.19		46.53		46.39		
			800	39.44		39.37		41.33		41.28		
			1000	38.81	PASS	38.75	PASS	40.91	PASS	40.77	PASS	
			1250	39.40		39.26		41.42		41.28		
			1600	48.93		48.83		51.20		51.06		
			2000	47.62		47.49		49.84		49.24		
LTE Band 5	QPSK / 10M / 1RB Offset	20525	250				38.95				40.82	
			315				46.27				48.33	
			400	36.87		36.21		38.99		38.56		
			500	40.79		40.34		42.81		42.39		
			630	44.52		43.96		46.26		46.02		
			800	39.51		39.11		41.39		41.22		
			1000	38.65	PASS	38.43	PASS	40.96	PASS	40.63	PASS	
			1250	39.23		38.97		41.04		40.95		
			1600	48.77		48.52		51.26		51.04		
			2000	47.28		47.16		49.58		49.31		
LTE Band 7	QPSK / 20M / 1RB Offset	21100	250				39.85				41.72	
			315				47.17				49.23	
			400	37.77		37.11		39.89		39.46		
			500	41.69		41.24		43.71		43.29		
			630	45.42		44.86		47.16		46.52		
			800	40.41		40.01		42.29		42.12		
			1000	39.55	PASS	39.33	PASS	41.86	PASS	41.53	PASS	
			1250	40.13		39.87		41.94		41.85		
			1600	49.67		49.42		52.16		51.94		
			2000	48.18		48.06		50.48		50.21		
			250				38.97				40.81	
			315				46.32				48.09	
			400	36.70		36.38		39.05		38.81		
			500	40.62		40.37		42.63		42.57		
			630	44.17		43.92		46.44		46.13		
			800	39.26		39.15		41.39		40.87		

LTE Band 12	QPSK / 10M / 1RB Offset	23095	1000	38.59	PASS	38.50	PASS	40.77	PASS	40.43	PASS
			1250	39.23		39.04		41.13		40.91	
			1600	48.79		48.62		51.25		50.94	
			2000	47.27		47.15		49.67		49.42	
			2500	48.38		48.05		50.32		50.27	
			3150	40.79		40.51		43.24		43.02	
			4000			42.29				44.05	
			5000			37.43				38.92	
			250			39.42				40.91	
			315			46.71				48.35	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	400	36.44	PASS	36.40	PASS	38.75	PASS	38.64	PASS
			500	40.37		40.42		42.83		42.50	
			630	44.02		44.07		46.63		46.46	
			800	39.15		39.13		41.20		40.90	
			1000	38.49		38.52		40.81		40.66	
			1250	39.18		39.13		41.15		40.94	
			1600	48.70		48.64		51.22		50.97	
			2000	47.33		47.28		49.68		49.44	
			2500	48.26		46.10		50.47		50.29	
			3150	40.27		40.26		43.39		43.21	
LTE Band 71	QPSK / 20M / 1RB Offset	133332	400	36.84	PASS	36.13	PASS	38.97	PASS	38.32	PASS
			500	40.67		40.16		42.84		42.38	
			630	44.29		43.98		46.33		45.94	
			800	39.58		39.13		41.27		40.95	
			1000	38.97		38.55		40.98		40.44	
			1250	39.44		38.94		41.22		40.86	
			1600	49.06		48.74		51.16		50.81	
			2000	47.65		47.18		49.82		49.35	
			2500	48.60		48.42		50.31		50.07	
			3150	40.71		40.26		42.99		42.89	
WLAN 2.4GHz	802.11n40	7	400	40.02	PASS	40.24	PASS	41.21	PASS	39.02	PASS
			500	39.86		40.17		42.85		46.11	
			630	37.96		38.76		41.94		41.86	
			800	40.18		39.58		40.63		44.65	
			1000	41.71		37.62		41.74		44.84	
			1250	37.26		39.20		37.66		39.60	
			1600	38.18		38.62		38.22		42.97	
			2000	42.29		41.35		44.87		41.85	
			2500	41.65		42.28		45.76		42.12	
			3150	39.59		40.17		39.09		45.38	
WLAN 5.2GHz	802.11a	44	400	38.30	PASS	41.03	PASS	41.74	PASS	39.25	PASS
			500	39.41		38.26		43.38		40.81	
			630	41.12		40.26		42.47		41.35	
			800	40.46		40.15		41.16		41.14	
			1000	40.88		41.59		42.27		45.27	
			1250	37.41		42.61		38.19		40.13	
			1600	38.56		40.37		38.75		41.29	
			2000	45.00		38.92		45.40		44.34	
			2500	45.73		40.66		46.29		42.25	
			3150	39.04		42.15		39.62		44.36	
WLAN 5.3GHz	802.11a	60	400	41.74	PASS	37.82	PASS	41.13	PASS	39.62	PASS
			500	43.38		40.69		40.64		38.92	
			630	42.47		42.26		42.54		39.82	
			800	41.16		41.26		40.37		41.27	
			1000	42.27		42.06		38.03		41.91	
			1250	38.19		43.82		36.27		42.33	
			1600	38.75		45.23		38.43		38.61	
			2000	45.40		42.66		38.78		45.25	
			2500	46.29		41.47		40.63		43.71	
			3150	39.62		42.26		39.50		42.36	
WLAN 5.5GHz	802.11a	120	400	40.09	PASS	39.52	PASS	39.49	PASS	37.26	PASS
			500	40.11		40.15		40.45		41.22	
			630	41.68		40.28		41.22		41.31	
			800	40.52		41.09		41.35		41.31	
			1000	39.17		42.27		40.52		42.80	
			1250	40.09		39.97		39.49		41.52	
			1600	39.33		41.03		38.57		40.39	
			2000	39.68		42.26		40.16		42.67	
			2500	41.53		41.57		42.28		43.71	
			3150	40.40		42.06		40.74		43.25	
WLAN 5.8GHz	802.11a	157	400	40.40	PASS	41.92	PASS	42.61	PASS	40.37	PASS
			500			40.70				41.25	
			630			41.28				42.60	
			800			40.86				40.59	
			1000	39.59		39.38		39.28		39.41	
			1250	40.28		36.12		39.28		40.16	
			1600	40.16		42.15		40.28		38.89	
			2000	40.84		41.41		42.36		41.26	
			2500	39.40		42.28		41.12		40.98	
			3150	39.58		41.39		40.59		38.37	
4000	40.28	41.51	39.25	39.16							
5000	41.26	45.35	40.36	42.42							
2000	42.13	44.37	41.72	45.21							
2500	39.15	42.98	40.58	40.08							
3150	40.26	43.66	41.36	42.26							
4000		42.53		45.51							
5000		41.87		39.74							