



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		PASS		35.76	PASS			PASS		36.72	PASS	
			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			37.65			38.07			38.61		
			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		PASS		36.58	PASS			PASS		37.32	PASS	
			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			38.47			38.90			39.21		
			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		PASS		36.38	PASS			PASS		37.55	PASS	
			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			38.27			39.70			39.44		
			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		PASS		37.33	PASS			PASS		38.16	PASS	
			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			39.22			40.91			40.05		
			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		PASS		35.05	PASS			PASS		36.17	PASS	
			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			36.94			38.51			38.06		
			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		PASS		41.26	PASS			PASS		43.20	PASS	
			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			41.08			40.88			43.42		
			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		PASS		41.75	PASS			PASS		43.01	PASS	
			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			40.56			41.66			42.25		
			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		PASS		42.42	PASS			PASS		41.78	PASS	
			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			42.21			43.30			44.12		
			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		PASS		40.83	PASS			PASS		41.81	PASS	
			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			42.49			40.11			42.98		
			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			40.83		
			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	