



REPORT No.: SZ24070315S03

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		PASS	/	/		PASS	/	/
			315								
			400	33.69				33.65			
			500	33.84				34.16			
			630	35.19				35.32			
			800	34.73				34.99			
			1000	34.22				34.34			
			1250	37.81				37.92			
			1600	34.37				34.41			
			2000	35.96				36.13			
			2500	40.52				40.27			
			3150	43.88				43.65			
			4000								
			5000								
GSM 1900	GSM Voice	661	250		PASS	/	/		PASS	/	/
			315								
			400	33.77				33.89			
			500	34.09				34.27			
			630	35.84				35.91			
			800	35.26				35.43			
			1000	34.81				34.96			
			1250	37.96				38.05			
			1600	34.77				34.94			
			2000	36.39				36.28			
			2500	40.79				40.62			
			3150	44.02				43.97			
			4000								
			5000								
WCDMA II	AMR 12.2Kbps	9400	250		PASS	/	/		PASS	/	/
			315								
			400	34.03				33.91			
			500	35.11				34.87			
			630	36.06				36.12			
			800	35.72				35.59			
			1000	35.14				35.11			
			1250	38.07				38.14			
			1600	34.85				34.78			
			2000	36.22				36.35			
			2500	40.66				40.73			
			3150	44.12				44.03			
			4000								
			5000								
WCDMA IV	AMR 12.2Kbps	1413	250		PASS	/	/		PASS	/	/
			315								
			400	33.95				34.04			
			500	34.73				34.66			
			630	35.69				35.75			
			800	34.93				35.02			
			1000	35.02				34.91			
			1250	38.13				38.04			
			1600	34.84				34.90			
			2000	36.18				36.26			
			2500	40.57				40.65			
			3150	44.08				44.13			
			4000								
			5000								
WCDMA V	AMR 12.2Kbps	4182	250		PASS	/	/		PASS	/	/
			315								
			400	33.79				33.96			
			500	34.28				34.39			
			630	35.73				35.80			
			800	34.88				34.75			
			1000	34.65				34.49			
			1250	37.69				37.86			
			1600	34.57				34.61			
			2000	35.91				36.03			
			2500	40.26				40.34			
			3150	43.78				43.92			
			4000								
			5000								
LTE Band 7	QPSK / 20M / 1RB Offset	21100	250		PASS	35.07	PASS		PASS	34.91	PASS
			315			33.16				33.20	
			400	32.65		31.18		32.73		31.02	
			500	33.14		32.51		33.26		32.47	
			630	34.96		33.74		34.88		33.59	
			800	35.47		37.63		35.52		37.86	
			1000	34.11		33.85		34.20		33.63	
			1250	38.85		35.79		38.97		35.93	
			1600	34.28		35.75		34.36		35.92	
			2000	35.08		34.86		35.17		34.75	
			2500	42.93		40.72		43.13		40.56	
			3150	43.22		40.58		43.08		40.44	
			4000			43.27				43.15	
			5000			39.16				39.23	
			250			35.13				35.04	

LTE Band 12	QPSK / 10M / 1RB Offset	23095	315		PASS	32.86	PASS		PASS	32.93	PASS
			400	32.95		31.80		32.83		31.89	
			500	33.89		32.93		34.07		32.88	
			630	35.86		34.17		35.99		34.30	
			800	35.92		38.29		36.08		38.34	
			1000	34.64		34.06		34.51		34.03	
			1250	39.30		35.52		39.23		35.41	
			1600	34.09		35.37		34.20		35.18	
			2000	35.21		35.02		35.36		35.08	
			2500	43.16		46.32		43.07		46.10	
			3150	43.55		40.13		43.42		40.26	
			4000			42.90				43.02	
			5000			38.91				38.77	
			250			34.82				34.67	
LTE Band 13	QPSK / 10M / 1RB Offset	23230	315		PASS	33.08	PASS		PASS	32.99	PASS
			400	33.05		31.72		32.91		31.83	
			500	34.08		33.15		33.98		33.22	
			630	35.79		34.09		35.92		34.15	
			800	36.06		38.18		36.13		38.30	
			1000	34.70		33.91		34.57		34.07	
			1250	39.34		35.29		39.19		35.44	
			1600	34.13		35.26		34.06		35.14	
			2000	35.49		35.08		35.38		34.85	
			2500	43.22		46.53		43.25		46.29	
			3150	43.61		40.12		43.58		40.32	
			4000			43.07				43.12	
			5000			39.02				38.94	
			250			34.92				34.76	
LTE Band 25	QPSK / 20M / 1RB Offset	26365	315		PASS	33.13	PASS		PASS	32.98	PASS
			400	33.29		32.16		33.41		32.07	
			500	34.38		33.07		34.53		33.19	
			630	35.13		34.22		35.27		34.38	
			800	36.72		37.84		36.59		37.66	
			1000	35.02		34.35		35.15		34.23	
			1250	38.64		36.89		38.71		36.72	
			1600	34.19		35.17		34.06		35.24	
			2000	35.93		35.28		36.08		35.14	
			2500	44.05		45.97		43.87		46.25	
			3150	43.26		40.34		43.18		40.51	
			4000			43.06				42.93	
			5000			38.94				38.79	
			250			34.98				34.87	
LTE Band 26	QPSK / 15M / 1RB Offset	26865	315		PASS	33.01	PASS		PASS	32.88	PASS
			400	33.22		32.17		33.35		32.28	
			500	34.23		33.16		34.38		33.22	
			630	35.09		34.37		35.17		34.18	
			800	36.77		37.79		36.62		37.91	
			1000	35.13		34.28		35.05		34.19	
			1250	38.66		37.03		38.56		36.92	
			1600	34.09		35.20		34.18		35.33	
			2000	35.81		35.24		36.11		35.19	
			2500	44.17		45.83		44.02		46.03	
			3150	43.36		40.49		43.21		40.60	
			4000			42.97				42.85	
			5000			38.69				38.91	
			250			35.01				34.89	
LTE Band 30	QPSK / 10M / 1RB Offset	27710	315		PASS	33.15	PASS		PASS	33.04	PASS
			400	33.38		32.30		33.52		32.15	
			500	34.07		33.10		33.92		33.23	
			630	34.92		33.85		34.90		34.01	
			800	36.28		37.48		36.19		37.44	
			1000	34.99		34.00		35.01		34.12	
			1250	38.56		37.19		38.38		37.26	
			1600	34.14		35.31		34.25		35.18	
			2000	35.63		35.12		35.84		35.07	
			2500	44.01		46.04		44.16		46.18	
			3150	43.25		40.58		43.47		40.45	
			4000			43.16				43.19	
			5000			39.13				39.07	
			250			35.02				34.93	
LTE Band 41	QPSK / 20M / 1RB Offset	40620	315		PASS	33.14	PASS		PASS	33.08	PASS
			400	33.64		32.42		33.68		32.42	
			500	34.03		33.22		34.09		33.52	
			630	35.11		33.82		35.18		34.18	
			800	36.38		37.38		36.17		37.62	
			1000	35.03		34.05		35.16		34.16	
			1250	38.86		37.38		38.31		37.19	
			1600	34.41		35.61		34.42		35.27	
			2000	35.93		35.17		36.00		35.33	
			2500	44.20		46.20		44.19		46.32	
			3150	43.55		40.61		43.73		40.74	
			4000			43.06				43.19	
			5000			39.15				39.07	
			250			35.08				34.95	
LTE Band 48	QPSK / 20M / 1RB	55990	315		PASS	33.22	PASS		PASS	33.09	PASS
			400	33.63		32.41		33.62		32.16	
			500	34.06		33.34		34.21		33.25	
			630	34.98		33.87		35.05		33.95	
			800	36.20		37.71		36.20		37.47	
			1000	35.24		34.25		35.25		34.24	

LTE Band 66	QPSK / 20M / 1RB Offset	132322	1250	38.81	PASS	37.17	PASS	38.68	PASS	37.30	PASS
			1600	34.20	PASS	35.33	PASS	34.31	PASS	35.14	PASS
			2000	35.61	PASS	35.09	PASS	36.02	PASS	35.20	PASS
			2500	44.26	PASS	46.11	PASS	44.11	PASS	46.33	PASS
			3150	43.28	PASS	40.62	PASS	43.39	PASS	40.63	PASS
			4000		PASS	43.45	PASS		PASS	43.28	PASS
			5000		PASS	39.07	PASS		PASS	39.22	PASS
			250		PASS	34.90	PASS		PASS	34.85	PASS
			315		PASS	33.08	PASS		PASS	32.96	PASS
			400	33.41	PASS	32.58	PASS	33.59	PASS	32.73	PASS
LTE Band 66	QPSK / 20M / 1RB Offset	132322	500	34.81	PASS	33.46	PASS	34.62	PASS	33.32	PASS
			630	35.38	PASS	34.62	PASS	35.50	PASS	34.68	PASS
			800	36.43	PASS	37.49	PASS	36.27	PASS	37.51	PASS
			1000	35.26	PASS	34.49	PASS	35.45	PASS	34.67	PASS
			1250	38.51	PASS	37.12	PASS	38.64	PASS	37.04	PASS
			1600	34.27	PASS	35.53	PASS	34.40	PASS	35.62	PASS
			2000	35.99	PASS	35.61	PASS	36.23	PASS	35.49	PASS
			2500	44.32	PASS	45.97	PASS	44.48	PASS	46.15	PASS
			3150	43.70	PASS	40.66	PASS	43.92	PASS	40.82	PASS
			4000		PASS	42.57	PASS		PASS	42.44	PASS
LTE Band 71	QPSK / 20M / 1RB Offset	133322	5000		PASS	38.94	PASS		PASS	38.71	PASS
			250		PASS	35.05	PASS		PASS	35.00	PASS
			315		PASS	33.10	PASS		PASS	33.19	PASS
			400	33.46	PASS	32.56	PASS	33.49	PASS	32.64	PASS
			500	34.66	PASS	33.52	PASS	34.65	PASS	33.38	PASS
			630	35.26	PASS	34.46	PASS	35.28	PASS	34.40	PASS
			800	36.13	PASS	37.59	PASS	36.17	PASS	37.33	PASS
			1000	35.13	PASS	34.31	PASS	35.35	PASS	34.62	PASS
			1250	38.54	PASS	36.94	PASS	38.45	PASS	36.88	PASS
			1600	34.05	PASS	35.48	PASS	34.31	PASS	35.35	PASS
LTE Band 71	QPSK / 20M / 1RB Offset	133322	2000	35.86	PASS	35.67	PASS	35.96	PASS	35.55	PASS
			2500	44.39	PASS	45.96	PASS	44.44	PASS	46.19	PASS
			3150	43.45	PASS	40.60	PASS	43.80	PASS	40.61	PASS
			4000		PASS	42.33	PASS		PASS	42.29	PASS
			5000		PASS	38.75	PASS		PASS	38.61	PASS
WLAN 2.4GHz	802.11g	6	250		PASS	36.78	PASS		PASS	39.04	PASS
			315		PASS	35.96	PASS		PASS	38.49	PASS
			400	36.41	PASS	36.67	PASS	38.14	PASS	39.08	PASS
			500	37.34	PASS	37.39	PASS	38.26	PASS	39.41	PASS
			630	38.87	PASS	38.83	PASS	40.10	PASS	41.25	PASS
			800	39.37	PASS	39.32	PASS	40.92	PASS	41.71	PASS
			1000	38.96	PASS	38.90	PASS	40.37	PASS	41.16	PASS
			1250	37.03	PASS	36.98	PASS	39.04	PASS	40.04	PASS
			1600	39.08	PASS	38.94	PASS	40.59	PASS	41.65	PASS
			2000	40.02	PASS	40.07	PASS	41.87	PASS	42.77	PASS
WLAN 2.4GHz	802.11g	6	2500	44.36	PASS	44.69	PASS	45.88	PASS	46.69	PASS
			3150	37.37	PASS	37.46	PASS	39.45	PASS	40.02	PASS
			4000		PASS	40.02	PASS		PASS	42.56	PASS
			5000		PASS	38.09	PASS		PASS	40.85	PASS
WLAN 5.2GHz	802.11n-HT20 MCS0	44	250		PASS	36.00	PASS		PASS	38.07	PASS
			315		PASS	35.64	PASS		PASS	37.51	PASS
			400	37.85	PASS	37.45	PASS	39.16	PASS	39.09	PASS
			500	38.79	PASS	38.61	PASS	39.84	PASS	39.77	PASS
			630	40.09	PASS	39.90	PASS	42.30	PASS	42.16	PASS
			800	40.40	PASS	40.34	PASS	42.93	PASS	42.80	PASS
			1000	40.15	PASS	40.00	PASS	41.28	PASS	41.21	PASS
			1250	37.74	PASS	37.62	PASS	39.43	PASS	39.36	PASS
			1600	43.83	PASS	43.76	PASS	44.94	PASS	44.89	PASS
			2000	42.55	PASS	42.51	PASS	43.50	PASS	43.43	PASS
WLAN 5.2GHz	802.11n-HT20 MCS0	44	2500	39.81	PASS	39.69	PASS	41.68	PASS	41.55	PASS
			3150	42.18	PASS	42.10	PASS	43.99	PASS	43.86	PASS
			4000		PASS	43.27	PASS		PASS	43.68	PASS
			5000		PASS	40.39	PASS		PASS	42.73	PASS
WLAN 5.3GHz	802.11n-HT20 MCS0	60	250		PASS	37.09	PASS		PASS	39.35	PASS
			315		PASS	36.27	PASS		PASS	38.14	PASS
			400	38.22	PASS	38.13	PASS	39.25	PASS	39.18	PASS
			500	38.77	PASS	38.70	PASS	40.16	PASS	40.05	PASS
			630	38.01	PASS	37.96	PASS	39.34	PASS	39.26	PASS
			800	39.09	PASS	39.02	PASS	40.23	PASS	40.19	PASS
			1000	43.55	PASS	43.50	PASS	45.39	PASS	45.28	PASS
			1250	38.47	PASS	38.34	PASS	40.31	PASS	40.23	PASS
			1600	42.88	PASS	42.81	PASS	44.65	PASS	44.57	PASS
			2000	45.02	PASS	44.96	PASS	46.93	PASS	46.80	PASS
WLAN 5.3GHz	802.11n-HT20 MCS0	60	2500	40.00	PASS	39.93	PASS	41.30	PASS	41.21	PASS
			3150	40.16	PASS	40.10	PASS	41.67	PASS	41.58	PASS
			4000		PASS	36.39	PASS		PASS	37.90	PASS
			5000		PASS	39.27	PASS		PASS	40.84	PASS
WLAN 5.5GHz	802.11n-HT20 MCS0	116	250		PASS	34.73	PASS		PASS	36.90	PASS
			315		PASS	34.19	PASS		PASS	36.21	PASS
			400	36.40	PASS	36.25	PASS	38.01	PASS	37.95	PASS
			500	37.52	PASS	37.40	PASS	38.51	PASS	38.44	PASS
			630	38.83	PASS	38.72	PASS	41.05	PASS	40.99	PASS
			800	39.23	PASS	39.09	PASS	41.78	PASS	41.72	PASS
			1000	38.95	PASS	38.80	PASS	40.03	PASS	40.05	PASS
			1250	36.45	PASS	36.38	PASS	38.16	PASS	38.08	PASS
			1600	41.56	PASS	41.47	PASS	43.64	PASS	43.60	PASS
			2000	41.28	PASS	41.22	PASS	42.37	PASS	42.19	PASS
WLAN 5.5GHz	802.11n-HT20 MCS0	116	2500	38.62	PASS	38.45	PASS	40.53	PASS	40.47	PASS
			3150	40.95	PASS	40.84	PASS	42.81	PASS	42.72	PASS
			4000		PASS	39.96	PASS		PASS	42.31	PASS

WLAN 5.8GHz	802.11n-HT20 MCS0	157	5000		PASS	39.22		PASS	41.60	PASS
			250			35.84			38.01	
			315			35.30			37.32	
			400	37.51		37.36	39.12		39.06	
			500	38.63		38.51	39.62		39.55	
			630	39.94		39.83	42.16		42.10	
			800	40.34		40.20	42.89		42.83	
			1000	40.06		39.91	41.14		41.16	
			1250	37.56		37.49	39.27		39.19	
			1600	42.67		42.58	44.75		44.71	
			2000	42.39		42.33	43.48		43.30	
			2500	39.73		39.56	41.64		41.58	
			3150	42.06		41.95	43.92		43.83	
			4000			41.07			43.42	
			5000			40.33			42.71	
			250			34.88			37.05	
			315			34.34			36.36	
U-NII-5 (WLAN 6.2GHz)	802.11ax-HEW160 MCS0	47	400	36.55	PASS	36.40	38.16	PASS	38.10	PASS
			500	37.67		37.55	38.66		38.59	
			630	38.98		38.87	41.20		41.14	
			800	39.38		39.24	41.93		41.87	
			1000	39.10		38.95	40.18		40.20	
			1250	36.60		36.53	38.31		38.23	
			1600	41.71		41.62	43.79		43.75	
			2000	41.43		41.37	42.52		42.34	
			2500	38.77		38.60	40.68		40.62	
			3150	41.10		40.99	42.96		42.87	
			4000			40.11			42.46	
			5000			39.37			41.75	
			250			34.95			37.12	
			315			34.41			36.43	
			400	36.58		36.47	38.23		38.17	
			500	37.23		37.62	38.73		38.66	
U-NII-6 (WLAN 6.5GHz)	802.11ax-HEW160 MCS0	111	630	39.11	PASS	38.94	41.27	PASS	41.21	PASS
			800	39.08		39.31	42.00		41.94	
			1000	39.23		39.02	40.25		40.27	
			1250	36.67		36.60	38.38		38.30	
			1600	41.78		41.69	43.86		43.82	
			2000	41.50		41.44	42.59		42.41	
			2500	38.84		38.67	40.75		40.69	
			3150	41.17		41.06	43.03		42.94	
			4000			40.18			42.53	
			5000			39.44			41.82	
			250			35.05			37.22	
			315			34.51			36.53	
			400	36.81		36.57	38.33		38.27	
			500	37.93		37.72	38.83		38.76	
			630	39.24		39.04	41.37		41.31	
			800	39.64		39.41	42.10		42.04	
U-NII-7 (WLAN 6.7GHz)	802.11ax-HEW160 MCS0	143	1000	39.36	PASS	39.12	40.35	PASS	40.37	PASS
			1250	36.86		36.70	38.48		38.40	
			1600	41.97		41.79	43.96		43.92	
			2000	41.69		41.54	42.69		42.51	
			2500	39.03		38.77	40.85		40.79	
			3150	41.36		41.16	43.13		43.04	
			4000			40.28			42.63	
			5000			39.54			41.92	
			250			34.76			36.93	
			315			34.22			36.24	
			400	36.43		36.28	38.04		37.98	
			500	37.55		37.43	38.54		38.47	
			630	38.86		38.75	41.08		41.02	
			800	39.26		39.12	41.81		41.75	
			1000	38.98		38.83	40.06		40.08	
			1250	36.48		36.41	38.19		38.11	
U-NII-8 (WLAN 7.0GHz)	802.11ax-HEW160 MCS0	207	1600	41.59	PASS	41.50	43.67	PASS	43.63	PASS
			2000	41.31		41.25	42.40		42.22	
			2500	38.65		38.48	40.56		40.50	
			3150	40.98		40.87	42.84		42.75	
			4000			39.99			42.34	
			5000			39.25			41.63	