



REPORT No.: SZ26050352S03

Annex C Test Results of Distortion and Noise

Sample Technique				2N Mounting Force				8N Mounting Force												
Air Interface	Radio Configuration	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									
WCDMA II	AMR 12.2Kbps	9400	250	PASS	PASS	25.11	PASS	PASS	PASS	28.58	PASS									
			315			24.52				26.85										
			400			25.58				29.70										
			500			24.87				28.89										
			630			24.26				28.28										
			800			25.41				28.69										
			1000			24.33				26.52		28.49								
			1250			25.86				29.12		28.93								
			1600			23.94				27.47		27.30								
			2000			25.50				26.38		29.15								
			2500			24.16				25.30		27.70								
			3150			25.06				25.69		28.64								
			4000							24.63		26.88	27.18							
			5000							25.02		28.60	28.55							
			250			26.09				28.18										
			315			25.23				29.22										
WCDMA IV	AMR 12.2Kbps	1413	400	PASS	PASS	25.88	PASS	PASS	PASS	28.25	PASS									
			500			25.34				29.19		27.61								
			630			24.04				23.48		27.96	26.45							
			800			24.61				26.04		26.87	28.10							
			1000			22.47				22.80		26.22	25.90							
			1250			24.59				26.21		27.25	29.34							
			1600			24.89				22.87		28.12	25.45							
			2000			26.08				26.60		28.97	29.40							
			2500			22.79				25.23		26.62	27.50							
			3150			25.88				23.74		28.11	27.61							
			4000							23.49			26.26							
			5000							23.76			27.09							
			250			24.20				24.08		27.58								
			315							26.08		26.56								
			400			25.17				26.32		28.43	30.28							
			WCDMA V			AMR 12.2Kbps				4182		500	PASS	PASS	24.53	PASS	PASS	PASS	27.71	PASS
630	24.30	27.52		27.27																
800	23.53	26.50		26.78	29.03															
1000	22.54	24.52		26.40	27.46															
1250	24.91	24.86		27.69	27.85															
1600	22.35	23.22		25.89	25.60															
2000	24.91	26.44		27.98	29.16															
2500	23.77	23.37		26.25	26.69															
3150	23.12	25.86		27.08	28.41															
4000		24.42			28.26															
5000		23.54			25.66															
250	24.35	24.35		29.72																
315	24.68	24.68		26.42																
400	25.08	27.16		25.89																
500	25.37	24.17		29.37	29.71															
LTE Band 2	QPSK / 20M / 1RB Offset	18900		630	PASS		PASS	23.72	PASS		PASS	PASS			28.65				PASS	
			800	26.16		26.46		28.34												
			1000	22.67		24.89		26.23		26.02										
			1250	26.18		24.77		29.40		29.96										
			1600	23.63		22.51		26.69		27.31										
			2000	24.59		27.11		26.75		29.09										
			2500	24.43		24.40		27.89		27.06										
			3150	25.07		25.75		27.77		27.80										
			4000			23.84				26.75										
			5000			25.45				28.71										
			250	24.14		24.14		26.48												
			315	25.30		25.30		28.02												
			400	24.41		27.03		27.11		30.87										
			500	24.10		24.57		27.57		27.78										
			LTE Band 5	QPSK / 10M / 1RB Offset		20525		630		PASS			PASS	24.53	PASS	PASS	PASS	27.69		PASS
								800						25.45				26.13		
1000	24.00	23.19			26.02		27.10													
1250	25.64	25.31			28.20		28.20													
1600	23.62	23.72			26.52		27.72													
2000	25.62	25.74			28.99		28.56													
2500	24.96	23.55			28.14		26.55													
3150	24.68	24.07			28.63		26.93													
4000		24.51					27.79													
5000		23.45					26.70													
250	25.32	25.32			28.88															
315		23.03					25.29													
400	25.45	27.27			28.15		30.66													
500	22.96	23.79			26.75		26.02													
LTE Band 7	QPSK / 20M / 1RB Offset	21100			630		PASS	PASS	23.70		PASS	PASS		PASS				25.88	PASS	
					800				24.38									23.98		
			1000	23.27	24.52	27.05			26.91											
			1250	25.46	26.28	27.90			29.33											
			1600	22.11	25.24	25.24			28.15											
			2000	23.51	24.91	26.00			27.92											
			2500	23.66	23.54	25.92			27.49											
			3150	24.01	26.38	27.08			29.43											
			4000		22.95				26.21											
			5000		25.26				27.41											
			250	24.90	24.90	28.21														
			315	25.34	25.34	27.37														
			400	26.41	26.25	29.35			29.82											
			500	25.41	24.43	29.09			28.09											
			LTE Band 12	QPSK / 10M / 1RB Offset	23095	630			PASS	PASS			24.34		PASS	PASS	PASS	26.49		PASS
						800							24.42					24.92		
1000	25.23	25.09				28.06	27.67													
1250	24.99	26.28				28.18	29.24													
1600	24.22	23.18				26.65	26.73													
2000	26.38	26.32				29.49	29.91													
2500	23.98	26.24				27.77	28.73													
3150	24.28	23.88				26.96	27.17													
4000		25.29					28.18													
5000		23.46					27.10													
250	24.90	24.90				28.21														
315	25.34	25.34				27.37														
400	26.41	26.25				29.35	29.82													
500	25.41	24.43				29.09	28.09													

LTE Band 13	QPSK / 10M / 1RB Offset	23230	250		PASS	23.21	PASS		PASS	26.82	PASS
			315			25.52				25.50	
			400	23.89		26.24		27.81		29.03	
			500	25.83		23.69		29.20		27.06	
			630	25.05		25.27		27.77		27.49	
			800	25.77		26.60		28.49		29.28	
			1000	24.03		23.39		27.81		26.62	
			1250	25.40		25.92		28.60		28.55	
			1600	24.12		24.13		26.98		26.64	
			2000	23.94		24.99		27.54		28.76	
			2500	22.24		25.30		25.76		28.74	
			3150	23.42		25.41		25.42		28.20	
			4000			23.60				27.30	
			5000			24.94				27.88	
			250			25.36				29.20	
LTE Band 17	QPSK / 10M / 1RB Offset	23790	315		PASS	25.34	PASS		PASS	28.36	PASS
			400	24.18		24.98		27.02		27.61	
			500	23.14		26.15		26.27		29.71	
			630	25.00		23.65		27.86		26.63	
			800	24.07		24.68		26.87		27.16	
			1000	23.30		24.21		27.07		28.04	
			1600	24.39		22.86		26.98		25.10	
			2000	26.44		25.67		28.64		28.18	
			2500	24.48		24.77		28.36		26.97	
			3150	23.33		24.25		26.82		26.47	
			4000			23.04				25.75	
			5000			24.41				27.73	
			250			24.12				27.74	
			315			23.72				26.17	
			400	24.67		27.47		27.31		30.89	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	500	23.03	PASS	25.39	PASS	26.35	PASS	28.12	PASS
			630	22.92		23.97		26.70		26.39	
			800	25.08		25.05		28.23		27.43	
			1000	22.79		22.78		25.26		26.20	
			1250	24.60		24.01		27.75		26.15	
			1600	24.66		23.88		27.26		25.92	
			2000	24.87		24.63		27.26		27.04	
			2500	23.48		24.46		25.96		27.89	
			3150	24.99		24.94		28.67		27.00	
			4000			24.91				28.15	
			5000			23.92				26.10	
			250			24.92				28.07	
			315			24.08				26.31	
			400	24.73		27.40		26.73		31.21	
			500	25.55		24.84		29.48		27.43	
5GNR n2	DFT-S-QPSK / 40M / 1RB 1offset	376000	630	22.63	PASS	23.03	PASS	26.38	PASS	25.24	PASS
			800	25.86		25.49		29.10		29.09	
			1000	24.74		24.01		27.37		27.37	
			1250	24.91		24.87		27.94		28.43	
			1600	23.24		22.54		25.44		25.20	
			2000	23.59		25.05		25.92		28.04	
			2500	22.86		24.99		25.38		27.51	
			3150	25.85		25.04		27.85		27.99	
			4000			24.88				27.44	
			5000			23.02				25.71	
			250			24.34				27.09	
			315			23.27				26.87	
			400	25.98		25.70		28.54		27.78	
			500	25.02		23.98		28.65		26.83	
			630	22.54		23.64		26.53		26.23	
5GNR n5	DFT-S-QPSK / 20M / 1RB 1offset	167300	800	25.36	PASS	26.08	PASS	28.84	PASS	28.14	PASS
			1000	24.37		25.29		27.79		28.86	
			1250	25.99		25.32		29.05		29.00	
			1600	22.30		23.49		25.20		25.73	
			2000	24.98		25.71		27.10		28.60	
			2500	23.00		23.84		25.98		27.46	
			3150	24.87		24.67		28.99		26.83	
			4000			24.02				27.74	
			5000			24.14				27.75	
			250			25.03				28.35	
			315			23.56				27.26	
			400	25.99		26.65		28.03		30.07	
			500	23.15		26.10		26.46		29.23	
			630	22.29		25.83		24.45		29.31	
			800	24.30		25.63		28.20		29.62	
5GNR n66	DFT-S-QPSK / 40M / 1RB 1offset	349000	1000	23.78	PASS	25.52	PASS	26.28	PASS	27.79	PASS
			1250	24.04		25.93		28.03		29.04	
			1600	24.65		23.27		28.54		26.02	
			2000	24.74		25.33		28.17		29.20	
			2500	22.64		25.68		25.53		27.88	
			3150	25.20		24.99		27.80		27.51	
			4000			23.82				26.03	
			5000			23.30				26.77	
			250			25.85				29.40	
			315			24.04				25.14	
			400	24.70		27.23		28.00		30.83	
			500	24.36		24.66		26.50		27.15	
			630	24.88		24.73		28.07		27.96	
			800	25.64		24.53		28.59		27.93	
			1000	22.71		23.10		26.36		26.12	
5GNR n77	DFT-S-QPSK / 100M / 1RB 1offset	650000	1250	25.83	PASS	25.53	PASS	28.71	PASS	28.82	PASS
			1600	22.82		23.73		25.46		26.92	
			2000	26.47		26.92		29.35		28.97	
			2500	22.73		23.35		25.38		26.04	
			3150	26.01		24.66		28.70		28.38	
			4000			24.32				27.17	
			5000			23.17				25.67	
			250			23.67				27.07	
			315			24.02				27.68	
			400	26.38		26.11		30.10		28.12	
			500	22.95		25.45		25.64		28.66	
			630	23.46		23.32		26.16		26.90	
			800	25.11		26.48		28.25		28.76	
			250			23.67				27.07	
			315			24.02				27.68	
			400	26.38		26.11		30.10		28.12	
			500	22.95		25.45		25.64		28.66	
			630	23.46		23.32		26.16		26.90	
			800	25.11		26.48		28.25		28.76	

WLAN 2.4GHz	802.11b	7	1000	22.99	PASS	24.40	PASS	26.25	PASS	26.42	PASS
			1250	26.71		26.36		26.87		29.20	
			1600	24.00		24.24		26.04		26.38	
			2000	25.39		24.43		28.18		26.64	
			2500	22.17		24.73		25.71		28.47	
			3150	25.21		25.99		27.70		28.91	
			4000			25.01				27.24	
			5000			25.61				29.39	
			250			25.80				29.11	
			315			24.95				27.31	
WLAN5.2G	802.11a 6Mbps	44	400	25.18	PASS	26.93	PASS	27.21	PASS	30.46	PASS
			500	23.03		25.75		26.31		28.34	
			630	24.96		23.44		27.75		26.56	
			800	24.76		24.63		27.20		27.19	
			1000	22.85		25.44		26.22		28.78	
			1250	23.91		25.18		27.23		28.24	
			1600	22.67		23.94		26.61		27.68	
			2000	26.13		24.41		28.73		26.42	
			2500	23.35		25.12		27.03		28.05	
			3150	23.33		24.78		25.99		28.47	
			4000			22.83				24.91	
			5000			25.14				27.25	
			250			24.85				28.11	
			315			23.06				25.63	
			400	24.87		25.17		27.85		27.29	
			500	23.08		26.17		26.12		29.33	
WLAN5.3G	802.11a 6Mbps	60	630	23.96	PASS	24.08	PASS	27.80	PASS	27.56	PASS
			800	25.41		24.09		27.94		27.91	
			1000	25.27		24.92		27.76		28.87	
			1250	24.46		23.51		26.79		27.26	
			1600	22.43		25.06		26.00		28.14	
			2000	24.86		27.01		27.06		29.62	
			2500	24.07		26.18		27.57		28.53	
			3150	25.66		23.89		28.80		27.20	
			4000			25.28				29.18	
			5000			23.12				27.09	
			250			25.33				28.97	
			315			24.55				27.94	
			400	25.52		24.85		29.50		27.99	
			500	23.83		26.16		25.98		29.11	
			630	22.49		23.41		26.48		25.75	
WLAN5.5G	802.11a 6Mbps	116	800	26.21	PASS	26.01	PASS	28.36	PASS	29.15	PASS
			1000	25.01		24.59		27.49		27.54	
			1250	24.56		25.96		26.74		29.41	
			1600	24.33		24.32		27.14		26.54	
			2000	24.27		27.37		28.16		29.62	
			2500	22.92		24.44		25.56		27.23	
			3150	24.55		24.22		27.36		27.79	
			4000			23.29				26.72	
			5000			25.73				28.04	
			250			23.42				25.48	
			315			22.62				26.03	
			400	26.42		27.30		29.10		30.99	
			500	25.65		24.43		28.24		27.65	
			630	22.47		23.44		25.93		25.85	
			800	23.67		24.62		26.74		27.37	
WLAN5.8G	802.11a 6Mbps	157	1000	24.19	PASS	24.51	PASS	27.92	PASS	27.32	PASS
			1250	25.33		26.48		27.71		29.77	
			1600	23.36		24.52		25.83		27.52	
			2000	24.86		25.74		27.68		28.85	
			2500	23.98		25.68		26.49		28.96	
			3150	25.24		25.68		28.92		26.22	
			4000			23.16				26.88	
			5000			25.84				28.29	
			250			23.42				25.48	
			315			22.62				26.03	
			400	26.42		27.30		29.10		30.99	
			500	25.65		24.43		28.24		27.65	
			630	22.47		23.44		25.93		25.85	
			800	23.67		24.62		26.74		27.37	
			1000	24.19		24.51		27.92		27.32	