



REPORT No.: SZ25030003S03

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		
GSM 850	GSM Voice	189	250			N/A				N/A			
			315			N/A				N/A			
			400	29.20				30.69					
			500	29.71				29.98					
			630	28.90				29.62					
			800	29.51				30.22					
			1000	28.42		PASS			28.71		PASS		
			1250	28.70					29.54				
			1600	29.11					31.26				
			2000	30.72					34.67				
			2500	30.65					32.67				
			3150	32.12					34.79				
			4000										
			5000										
GSM 1900	GSM Voice	661	250			N/A				N/A			
			315			N/A				N/A			
			400	31.29				32.02					
			500	32.62				32.98					
			630	29.76				33.77					
			800	31.23				31.55					
			1000	29.09		PASS			33.22		PASS		
			1250	27.72					28.30				
			1600	30.69					31.38				
			2000	33.57					39.75				
			2500	32.72					32.26				
			3150	34.80					32.06				
			4000										
			5000										
WCDMA II	AMR 12.2Kbps	9400	250			33.24					32.45		
			315			29.70					30.56		
			400	32.98			32.55		34.09			33.72	
			500	31.08			31.73		31.94			31.61	
			630	33.65			29.90		30.48			30.49	
			800	34.71			30.59		33.70			31.64	
			1000	32.68		PASS	31.68		33.61		PASS	32.63	
			1250	33.59			30.65		29.70			30.86	
			1600	29.35			31.69		30.25			31.98	
			2000	30.86			34.72		35.59			35.82	
			2500	33.55			32.98		33.72			37.77	
			3150	32.06			33.70		34.77			32.12	
			4000				36.52					36.00	
			5000				38.54					39.71	
WCDMA IV	AMR 12.2Kbps	1413	250			35.09					35.75		
			315			29.19					30.55		
			400	31.87			32.46		31.88			33.86	
			500	30.72			30.79		31.25			32.60	
			630	32.00			29.57		31.67			31.48	
			800	33.55			31.24		32.58			31.55	
			1000	34.61		PASS	30.66		31.85		PASS	31.64	
			1250	29.60			29.82		29.05			31.68	
			1600	31.65			30.24		29.82			31.75	
			2000	34.78			39.88		35.68			42.73	
			2500	34.25			32.67		45.88			34.61	
			3150	33.71			31.13		32.90			31.99	
			4000				41.17					42.02	
			5000				39.51					40.56	
WCDMA V	AMR 12.2Kbps	4182	250			25.97					30.12		
			315			26.91					30.52		
			400	33.68			29.27		34.22			29.71	
			500	32.67			27.89		31.54			30.56	
			630	32.14			28.00		32.57			35.65	
			800	32.32			32.65		34.17			34.95	
			1000	32.68		PASS	33.84		33.96		PASS	32.72	
			1250	30.67			28.77		28.15			30.63	
			1600	29.88			38.59		31.91			38.07	
			2000	36.25			34.56		39.57			37.24	
			2500	32.69			34.67		39.57			37.07	
			3150	34.58			28.09		32.12			29.29	
			4000				34.46					32.94	
			5000				36.25					36.80	
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250			29.97					33.72		
			315			30.76					32.89		
			400	33.89			33.87		27.93			37.18	
			500	32.03			33.15		33.23			35.62	
			630	31.81			33.78		32.19			36.13	
			800	33.97			31.80		33.80			38.17	
			1000	33.07		PASS	37.14		34.21		PASS	37.73	
			1250	31.93			30.59		28.89			31.04	
			1600	33.87			37.07		33.05			37.57	
			2000	37.90			38.63		36.93			38.71	
			2500	36.75			38.19		34.16			38.06	
			3150	32.16			31.14		33.06			34.20	
			4000				39.66					38.71	
			5000				36.43					38.22	
			250			30.90				31.26			

LTE Band 5	QPSK / 10M / 1RB Offset	20525	315		PASS	28.79		PASS	28.11	PASS
			400	34.32		29.60	33.90		35.90	
			500	31.35		32.22	34.77		30.90	
			630	34.50		33.07	34.19		30.55	
			800	33.09		31.43	31.88		27.91	
			1000	34.30		32.00	32.42		33.70	
			1250	32.39		31.71	33.66		31.93	
			1600	33.97		28.92	32.35		34.36	
			2000	38.45		36.90	36.90		37.82	
			2500	33.30		36.44	34.05		34.93	
			3150	30.91		32.05	30.85		32.35	
			4000			38.01			38.25	
			5000			33.70			36.03	
			LTE Band 7	QPSK / 20M / 1RB Offset		21100	250			
315		28.81					26.89			
400	35.90	31.91			33.90		30.38			
500	33.92	29.80			34.77		30.78			
630	33.22	28.87			34.19		30.12			
800	33.76	30.10			31.88		32.35			
1000	30.16	33.87			32.42		28.22			
1250	32.19	27.35			33.66		29.48			
1600	34.37	31.90			30.80		34.26			
2000	37.90	32.78			37.81		37.80			
2500	33.81	32.74			32.12		38.83			
3150	32.02	34.31			34.91		33.23			
4000		37.76					38.58			
5000		33.90					38.90			
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250		PASS	28.89		PASS	31.00	PASS
			315			32.90			27.90	
			400	34.86		33.90	34.56		33.27	
			500	31.25		29.37	35.86		31.46	
			630	33.88		26.53	32.90		30.06	
			800	30.83		30.80	32.35		25.93	
			1000	35.92		27.81	34.20		29.35	
			1250	33.19		29.01	28.83		28.29	
			1600	32.17		33.90	30.90		32.11	
			2000	35.21		38.21	35.92		34.33	
			2500	33.90		35.55	33.35		34.15	
			3150	32.82		38.16	32.12		32.36	
			4000			36.24			35.78	
			5000			35.79			34.33	
LTE Band 41	QPSK / 20M / 1RB Offset	40620	250		PASS	29.88		PASS	29.79	PASS
			315			28.98			31.55	
			400	34.90		31.40	34.19		34.11	
			500	34.16		33.09	34.90		35.36	
			630	33.26		33.99	35.86		36.62	
			800	30.78		35.67	31.00		35.11	
			1000	31.91		34.87	31.75		39.35	
			1250	31.75		32.41	33.67		34.48	
			1600	35.28		39.37	32.92		37.72	
			2000	36.99		37.91	37.80		40.13	
			2500	33.81		34.97	31.20		35.78	
			3150	34.66		33.32	34.87		34.71	
			4000			37.93			35.74	
			5000			36.95			35.87	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	250		PASS	42.50		PASS	37.23	PASS
			315			32.03			34.05	
			400	34.79		31.76	32.33		32.70	
			500	33.66		37.19	35.80		34.53	
			630	30.90		41.05	34.46		36.90	
			800	31.83		39.82	35.49		36.62	
			1000	29.85		37.03	33.27		34.01	
			1250	34.80		36.15	34.68		34.80	
			1600	33.66		42.99	32.90		38.06	
			2000	37.51		43.98	37.39		40.85	
			2500	36.25		40.62	33.93		35.70	
			3150	33.83		39.30	35.77		37.90	
			4000			38.17			41.15	
			5000			37.61			35.38	
LTE Band 71	QPSK / 20M / 1RB Offset	133322	250		PASS	36.23		PASS	35.90	PASS
			315			30.90			31.10	
			400	32.90		33.99	33.90		32.35	
			500	34.30		32.43	35.35		35.90	
			630	30.81		37.90	35.86		37.33	
			800	32.26		36.80	32.15		38.49	
			1000	31.45		37.16	33.90		37.01	
			1250	33.18		36.12	33.81		35.19	
			1600	34.19		36.90	34.86		37.88	
			2000	35.93		38.15	37.83		37.38	
			2500	33.86		35.67	34.92		37.83	
			3150	34.83		37.90	34.40		36.33	
			4000			37.23			37.20	
			5000			38.31			35.97	