



REPORT No.: SZ23040391S04

Annex C Test Results Data of Distortion and Noise

Sample Technique			Test Technique					
Air Interface	Modulation / Mode	Channel	Mounting Force	Nominal Center Frequency (Hz)	AMR-NB 12.2Kbps		AMR-WB 12.65Kbps	
					Distortion and Noise (dB)	Frequency Response	Distortion and Noise (dB)	Frequency Response
GSM 850	QPSK / 20M / 1RB Offset	18900	2N	250			41.36	PASS
				315			32.69	
				400	38.46		35.89	
				500	36.61		37.17	
				630	35.92		35.84	
				800	36.01		36.69	
				1000	35.57		35.74	
				1250	34.76		35.18	
				1600	35.83		34.59	
				2000	42.40		44.13	
				2500	37.36		38.25	
				3150	37.24		38.17	
				4000			45.86	
				5000			44.44	
GSM 850	QPSK / 20M / 1RB Offset	18900	8N	250			42.26	PASS
				315			33.56	
				400	38.66		36.57	
				500	38.57		37.91	
				630	39.83		37.72	
				800	37.79		37.23	
				1000	38.32		37.65	
				1250	35.05		37.89	
				1600	38.52		40.97	
				2000	44.49		45.92	
				2500	38.02		38.21	
				3150	38.11		38.59	
				4000			46.42	
				5000			46.07	
GSM 1900	QPSK / 20M / 1RB Offset	18900	2N	250			41.91	PASS
				315			33.45	
				400	38.91		36.54	
				500	38.63		37.52	
				630	36.24		35.78	
				800	37.20		37.64	
				1000	34.64		35.58	
				1250	33.92		34.19	
				1600	36.85		36.17	
				2000	44.41		45.25	
				2500	38.81		39.60	
				3150	39.23		39.04	
				4000			46.17	
				5000			46.32	
GSM 1900	QPSK / 20M / 1RB Offset	18900	8N	250			43.49	PASS
				315			34.39	
				400	39.65		37.07	
				500	40.78		37.67	
				630	40.34		37.30	
				800	38.12		37.41	
				1000	39.79		37.84	
				1250	34.87		36.89	
				1600	37.95		38.49	
				2000	46.32		48.23	
				2500	38.83		40.74	
				3150	38.63		40.36	
				4000			47.18	
				5000			46.82	
WCDMA B2	QPSK / 20M / 1RB Offset	18900	2N	250			40.36	PASS
				315			35.77	
				400	40.50		40.02	
				500	38.59		37.30	
				630	40.81		35.97	
				800	43.87		36.27	
				1000	43.85		37.55	
				1250	34.66		36.04	
				1600	36.73		37.80	
				2000	50.20		45.97	
				2500	38.98		40.52	
				3150	38.67		38.77	
				4000			48.01	
				5000			47.08	
WCDMA B2	QPSK / 20M / 1RB Offset	18900	8N	250			40.51	PASS
				315			36.16	
				400	40.30		42.03	
				500	39.65		39.25	
				630	38.08		37.26	
				800	41.87		37.30	
				1000	41.18		38.90	
				1250	35.07		38.06	
				1600	38.70		39.13	
				2000	45.82		49.76	
				2500	45.82		42.43	
				3150	40.43		39.61	
				4000			48.57	
				5000			48.28	
WCDMA B4	QPSK / 20M / 1RB Offset	18900	2N	250			41.66	PASS
				315			35.76	
				400	39.46		39.03	
				500	38.55		37.36	
				630	39.47		36.14	
				800	41.01		37.81	
				1000	43.08		37.23	
				1250	34.27		36.39	
				1600	38.10		36.81	
				2000	47.85		46.45	
				2500	40.88		39.24	
				3150	39.98		37.70	
				4000			47.74	
				5000			46.08	
WCDMA B4	QPSK / 20M / 1RB Offset	18900	8N	250			42.32	PASS
				315			37.12	
				400	39.50		40.43	
				500	38.83		39.17	
				630	38.44		38.05	
				800	39.54		38.12	
				1000	38.09		38.21	
				1250	35.20		38.25	
				1600	36.93		38.32	
				2000	45.54		49.30	

				2500	45.54		41.18	
				3150	38.37		38.56	
				4000			48.59	
				5000			47.13	
				250			41.09	
				315			34.14	
				400	41.52		38.84	
				500	38.23		37.69	
				630	39.91		36.59	
				800	39.80		36.62	
				1000	39.55		37.95	
				1250	36.14		37.40	
				1600	37.45		37.85	
				2000	48.25		44.49	
				2500	39.62		38.02	
				3150	40.47		37.64	
				4000			46.71	
				5000			46.29	
				250			41.59	
				315			35.05	
				400	40.79		40.14	
				500	38.11		38.54	
				630	39.14		38.88	
				800	40.74		38.09	
				1000	40.53		39.99	
				1250	34.72		40.14	
				1600	38.48		39.57	
				2000	48.14		46.80	
				2500	46.14		39.15	
				3150	38.69		38.44	
				4000			48.59	
				5000			47.87	
				250			27.82	
				315			28.35	
				400	39.20		36.58	
				500	35.49		33.96	
				630	35.74		31.67	
				800	39.33		35.35	
				1000	36.30		36.81	
				1250	36.60		32.79	
				1600	39.32		33.11	
				2000	47.64		43.83	
				2500	41.80		35.93	
				3150	32.58		36.95	
				4000			44.60	
				5000			35.76	
				250			32.79	
				315			30.78	
				400	33.97		33.05	
				500	38.79		33.21	
				630	38.78		38.92	
				800	37.02		33.59	
				1000	37.87		32.96	
				1250	32.04		35.36	
				1600	36.32		37.85	
				2000	44.48		48.07	
				2500	37.11		38.46	
				3150	36.37		37.42	
				4000			48.05	
				5000			44.85	
				250			33.22	
				315			32.71	
				400	41.69		35.27	
				500	37.82		32.38	
				630	38.85		30.33	
				800	36.20		32.64	
				1000	33.51		37.32	
				1250	35.65		30.23	
				1600	39.32		35.19	
				2000	51.15		38.44	
				2500	34.06		36.10	
				3150	33.39		38.78	
				4000			46.16	
				5000			37.86	
				250			27.33	
				315			30.52	
				400	38.06		35.26	
				500	37.13		34.78	
				630	38.30		33.84	
				800	36.99		36.76	
				1000	36.87		31.67	
				1250	37.12		36.87	
				1600	34.22		40.06	
				2000	45.27		51.82	
				2500	35.83		40.56	
				3150	35.71		36.55	
				4000			47.94	
				5000			42.15	
				250			29.88	
				315			31.53	
				400	40.68		34.96	
				500	34.87		35.58	
				630	33.80		33.43	
				800	36.46		33.97	
				1000	38.42		32.36	
				1250	35.71		34.07	
				1600	39.25		32.68	
				2000	48.08		40.96	
				2500	36.25		41.20	
				3150	33.60		33.38	
				4000			45.73	
				5000			36.05	
				250			32.65	
				315			31.64	
				400	39.35		39.34	
				500	37.08		29.14	
				630	36.97		33.30	
				800	39.72		31.72	
				1000	38.49		40.03	
				1250	34.79		35.92	
				1600	35.49		36.83	
				2000	44.33		47.81	

				2500	36.42		38.71	
				3150	33.10		35.26	
				4000			49.27	
				5000			43.49	
LTE Band 7	QPSK / 20M / 1RB Offset	21100	2N	250		PASS	28.75	PASS
				315			33.97	
				400	41.66		33.13	
				500	36.17		35.27	
				630	36.60		32.91	
				800	34.83		33.70	
				1000	34.62		33.05	
				1250	39.06		30.45	
				1600	38.65		35.88	
				2000	47.05		41.22	
				2500	36.80		32.66	
				3150	40.91		35.28	
				4000			42.04	
				5000			34.56	
				LTE Band 7	QPSK / 20M / 1RB Offset	21100	8N	250
315			30.73					
400	40.48		34.78					
500	37.58		34.48					
630	39.16		33.88					
800	37.28		34.49					
1000	39.70		37.49					
1250	33.73		36.42					
1600	32.60		40.64					
2000	44.91		49.17					
2500	35.90		40.60					
3150	36.88		36.08					
4000			50.97					
5000			42.39					
LTE Band 12	QPSK / 10M / 1RB Offset	23095	2N					250
				315			30.42	
				400	38.88		35.15	
				500	33.60		30.40	
				630	35.94		34.28	
				800	37.23		35.11	
				1000	41.24		32.68	
				1250	37.45		29.26	
				1600	40.09		34.32	
				2000	45.93		38.96	
				2500	36.20		42.21	
				3150	33.18		36.15	
				4000			43.27	
				5000			38.70	
				LTE Band 12	QPSK / 10M / 1RB Offset	23095	8N	250
315			27.63					
400	38.95		36.22					
500	38.02		32.73					
630	37.74		31.81					
800	36.28		34.41					
1000	40.17		32.77					
1250	30.26		34.73					
1600	37.39		38.62					
2000	46.00		48.72					
2500	33.78		38.96					
3150	37.77		35.99					
4000			50.60					
5000			41.54					
LTE Band 13	QPSK / 10M / 1RB Offset	23230	2N					250
				315			29.55	
				400	38.16		36.35	
				500	34.43		31.29	
				630	37.34		33.42	
				800	34.27		33.17	
				1000	41.80		35.26	
				1250	36.45		31.69	
				1600	37.63		35.76	
				2000	40.57		37.38	
				2500	37.62		36.82	
				3150	36.08		36.29	
				4000			44.45	
				5000			37.76	
				LTE Band 13	QPSK / 10M / 1RB Offset	23230	8N	250
315			32.53					
400	38.90		33.63					
500	41.89		33.10					
630	36.61		34.08					
800	37.53		34.20					
1000	39.95		33.41					
1250	32.09		34.18					
1600	34.49		38.26					
2000	42.78		51.89					
2500	36.73		39.42					
3150	35.73		38.73					
4000			45.09					
5000			43.68					
LTE Band 48	QPSK / 20M / 1RB Offset	55990	2N					250
				315			34.21	
				400	37.22		35.56	
				500	35.56		34.17	
				630	36.54		33.56	
				800	37.74		33.47	
				1000	39.86		33.65	
				1250	35.26		33.85	
				1600	36.17		37.45	
				2000	41.03		50.46	
				2500	35.59		39.49	
				3150	35.77		38.46	
				4000			41.36	
				5000			42.58	
				LTE Band 48	QPSK / 20M / 1RB Offset	55990	8N	250
315			31.45					
400	38.72		33.17					
500	36.25		34.63					
630	37.14		30.33					
800	36.63		34.85					
1000	41.17		36.15					
1250	35.23		34.18					
1600	36.51		38.65					
2000	42.31		50.99					

				2500	35.66		36.47	
				3150	36.85		35.52	
				4000			47.33	
				5000			43.25	
LTE Band 06	QPSK / 20M / 1RB Offset	132322	2N	250		PASS	30.30	PASS
				315			31.53	
				400	43.33		34.93	
				500	34.65		32.53	
				630	37.93		30.47	
				800	35.75		34.31	
				1000	40.03		32.38	
				1250	39.06		33.62	
				1600	35.31		32.60	
				2000	41.55		38.51	
				2500	36.00		39.77	
				3150	32.72		42.79	
				4000			44.57	
				5000			36.26	
LTE Band 06	QPSK / 20M / 1RB Offset	132322	8N	250		PASS	31.45	PASS
				315			31.51	
				400	39.69		33.50	
				500	36.80		35.49	
				630	37.36		30.71	
				800	37.17		35.62	
				1000	40.53		35.38	
				1250	34.41		35.22	
				1600	37.49		38.75	
				2000	45.47		52.09	
				2500	36.85		36.56	
				3150	37.12		36.00	
				4000			48.24	
				5000			44.62	
WLAN 2.4GHz	802.11g	6	2N	250		PASS	29.65	PASS
				315			37.87	
				400	41.73		40.73	
				500	45.99		41.38	
				630	43.34		44.26	
				800	43.74		43.15	
				1000	44.28		45.95	
				1250	40.62		41.67	
				1600	41.52		42.91	
				2000	52.17		52.39	
				2500	41.20		42.64	
				3150	43.52		42.15	
				4000			40.82	
				5000			39.61	
WLAN 2.4GHz	802.11g	6	8N	250		PASS	31.38	PASS
				315			38.07	
				400	39.91		42.15	
				500	41.05		43.14	
				630	42.37		44.57	
				800	44.75		44.24	
				1000	47.87		47.27	
				1250	42.19		43.06	
				1600	44.60		43.69	
				2000	53.17		55.31	
				2500	45.44		45.17	
				3150	40.95		44.21	
				4000			43.87	
				5000			41.46	
WLAN 5.2GHz	802.11ac40 MCS0	38	2N	250		PASS	43.28	PASS
				315			34.39	
				400	36.31		37.51	
				500	41.82		41.70	
				630	42.51		45.09	
				800	42.93		43.74	
				1000	40.23		40.97	
				1250	39.61		40.04	
				1600	46.48		47.96	
				2000	42.86		42.82	
				2500	39.24		40.13	
				3150	41.43		42.99	
				4000			39.70	
				5000			42.84	
WLAN 5.2GHz	802.11ac40 MCS0	38	8N	250		PASS	43.86	PASS
				315			36.67	
				400	37.14		38.12	
				500	42.08		41.94	
				630	43.96		45.90	
				800	43.76		44.30	
				1000	41.79		43.23	
				1250	40.63		40.43	
				1600	48.92		49.01	
				2000	45.94		44.13	
				2500	42.01		42.74	
				3150	44.69		44.62	
				4000			41.30	
				5000			43.46	
WLAN 5.3GHz	802.11ac40 MCS0	54	2N	250		PASS	43.96	PASS
				315			35.02	
				400	35.63		34.86	
				500	37.94		40.81	
				630	39.18		44.83	
				800	38.82		42.41	
				1000	38.12		40.61	
				1250	36.41		40.39	
				1600	38.12		46.72	
				2000	46.67		46.81	
				2500	38.37		42.42	
				3150	36.87		42.87	
				4000			40.51	
				5000			40.95	
WLAN 5.3GHz	802.11ac40 MCS0	54	8N	250		PASS	46.86	PASS
				315			36.39	
				400	36.04		36.12	
				500	39.45		41.55	
				630	41.33		45.41	
				800	39.27		44.18	
				1000	41.64		41.39	
				1250	37.09		40.51	
				1600	38.22		47.35	
				2000	47.64		48.34	

WLAN 5.5GHz	802.11ac40 MCS0	126	2N	2500	39.28	PASS	44.98	PASS
				3150	36.20		43.66	
				4000			42.53	
				5000			41.97	
				250			44.53	
				315			36.01	
				400	36.78		33.41	
				500	38.79		40.56	
				630	38.64		41.71	
				800	40.06		43.20	
				1000	36.58		36.01	
				1250	37.52		40.87	
				1600	39.01		48.28	
				2000	46.71		46.97	
2500	38.25	38.58						
3150	36.46	45.99						
4000		45.09						
5000		39.64						
WLAN 5.5GHz	802.11ac40 MCS0	126	8N	250		PASS	40.45	PASS
				315			34.41	
				400	37.06		35.03	
				500	39.61		39.89	
				630	40.82		44.16	
				800	40.85		43.98	
				1000	38.33		37.73	
				1250	38.04		39.86	
				1600	38.62		45.42	
				2000	47.51		49.12	
				2500	39.92		39.50	
				3150	36.33		48.33	
				4000			44.51	
				5000			37.94	
WLAN 5.8GHz	802.11ac40 MCS0	159	2N	250		PASS	41.89	PASS
				315			33.56	
				400	35.55		37.35	
				500	36.05		35.97	
				630	39.96		46.32	
				800	40.78		46.06	
				1000	37.43		40.45	
				1250	36.89		39.84	
				1600	38.72		46.35	
				2000	44.13		45.62	
				2500	38.43		39.30	
				3150	36.54		43.82	
				4000			44.95	
				5000			43.83	
WLAN 5.8GHz	802.11ac40 MCS0	159	8N	250		PASS	41.57	PASS
				315			33.45	
				400	36.02		33.45	
				500	37.81		42.45	
				630	40.73		44.96	
				800	41.28		46.85	
				1000	37.30		40.73	
				1250	37.88		40.55	
				1600	38.95		46.24	
				2000	46.10		46.47	
				2500	38.66		40.19	
				3150	36.96		44.69	
				4000			43.56	
				5000			41.31	