



REPORT No.: SZ23110216S02

## 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		PASS	37.03	PASS
				315			36.62	
				400	40.18		40.23	
				500	43.88		43.92	
				630	43.02		42.98	
				800	42.61		42.70	
				1000	43.07		43.10	
				1250	41.18		41.23	
				1600	43.08		43.04	
				2000	44.16		44.09	
				2500	43.02		43.11	
				3150	39.75		39.82	
				4000			42.35	
				5000			39.86	
GSM 850	QPSK / 20M / 1RB Offset	18900	8N	250		PASS	37.82	PASS
				315			37.14	
				400	42.39		42.31	
				500	44.71		44.95	
				630	44.47		44.39	
				800	44.83		44.76	
				1000	45.09		45.11	
				1250	43.05		43.10	
				1600	44.13		44.07	
				2000	45.98		45.85	
				2500	44.73		44.67	
				3150	41.02		39.98	
				4000			43.40	
				5000			40.93	
GSM 1900	QPSK / 20M / 1RB Offset	18900	2N	250		PASS	37.69	PASS
				315			37.01	
				400	40.59		40.42	
				500	43.99		44.02	
				630	43.33		43.21	
				800	42.88		42.91	
				1000	43.26		43.34	
				1250	41.39		41.42	
				1600	43.21		43.37	
				2000	44.37		44.31	
				2500	43.29		43.33	
				3150	40.11		40.06	
				4000			42.49	
				5000			40.05	
GSM 1900	QPSK / 20M / 1RB Offset	18900	8N	250		PASS	38.36	PASS
				315			37.59	
				400	42.38		42.47	
				500	45.11		45.08	
				630	44.72		44.67	
				800	44.93		45.01	
				1000	45.15		45.19	
				1250	43.21		43.26	
				1600	44.42		44.61	
				2000	45.98		45.96	
				2500	44.89		44.93	
				3150	41.31		41.24	
				4000			43.55	
				5000			41.12	
WCDMA B2	QPSK / 20M / 1RB Offset	18900	2N	250		PASS	38.02	PASS
				315			37.11	
				400	40.68		40.91	
				500	43.17		43.21	
				630	43.39		44.25	
				800	42.81		42.89	
				1000	43.41		43.38	
				1250	41.58		41.47	
				1600	43.31		43.29	
				2000	44.42		44.33	
				2500	43.25		43.30	
				3150	39.92		39.85	
				4000			42.38	
				5000			40.13	
WCDMA B2	QPSK / 20M / 1RB Offset	18900	8N	250		PASS	38.75	PASS
				315			37.88	
				400	42.54		42.63	
				500	45.26		45.40	
				630	44.91		44.88	
				800	45.08		45.02	
				1000	45.33		45.21	
				1250	43.26		43.19	
				1600	44.49		44.52	
				2000	46.05		46.01	
				2500	44.87		44.90	
				3150	41.02		40.95	
				4000			43.51	

WCDMA B4	QPSK / 20M / 1RB Offset	18900	2N	5000		41.21	PASS	PASS
				250		37.76		
				315		36.98		
				400	40.72	40.81		
				500	43.15	43.20		
				630	43.12	43.08		
				800	42.79	42.90		
				1000	43.39	43.28		
				1250	41.62	41.71		
				1600	43.25	43.18		
				2000	44.53	44.47		
				2500	43.21	43.26		
				3150	39.69	39.88		
				4000		42.48		
5000		40.09						
WCDMA B4	QPSK / 20M / 1RB Offset	18900	8N	250		38.27	PASS	PASS
				315		37.34		
				400	42.44	42.57		
				500	45.22	45.29		
				630	44.69	44.78		
				800	44.87	44.96		
				1000	45.19	45.22		
				1250	43.15	43.14		
				1600	44.36	44.31		
				2000	45.99	46.12		
				2500	44.75	44.69		
				3150	40.97	40.91		
				4000		43.61		
				5000		41.15		
WCDMA B5	QPSK / 20M / 1RB Offset	18900	2N	250		37.22	PASS	PASS
				315		36.81		
				400	40.11	40.09		
				500	43.78	43.91		
				630	42.96	43.03		
				800	42.43	42.51		
				1000	43.21	43.27		
				1250	41.26	41.34		
				1600	43.02	42.93		
				2000	44.17	44.12		
				2500	43.26	42.20		
				3150	39.82	39.66		
				4000		42.25		
				5000		39.96		
WCDMA B5	QPSK / 20M / 1RB Offset	18900	8N	250		37.90	PASS	PASS
				315		37.26		
				400	42.15	42.26		
				500	44.79	44.86		
				630	44.52	44.41		
				800	44.61	44.53		
				1000	45.29	45.21		
				1250	42.98	43.01		
				1600	44.11	44.09		
				2000	45.74	45.79		
				2500	44.41	44.38		
				3150	40.86	40.79		
				4000		43.19		
				5000		40.98		
LTE Band 2	QPSK / 20M / 1RB Offset	18900	2N	250		38.39	PASS	PASS
				315		37.55		
				400	44.45	43.17		
				500	45.98	43.59		
				630	42.94	42.08		
				800	42.49	42.44		
				1000	43.01	43.27		
				1250	40.91	41.15		
				1600	43.02	42.90		
				2000	44.54	44.26		
				2500	43.66	42.82		
				3150	37.24	39.61		
				4000		42.31		
				5000		40.13		
LTE Band 2	QPSK / 20M / 1RB Offset	18900	8N	250		40.65	PASS	PASS
				315		38.02		
				400	45.03	44.98		
				500	45.06	45.33		
				630	43.19	42.89		
				800	44.77	44.53		
				1000	44.84	44.84		
				1250	42.90	42.65		
				1600	44.45	44.75		
				2000	46.10	46.43		
				2500	43.91	44.61		
				3150	41.19	40.89		
				4000		43.30		
				5000		41.25		
				250		38.69		
				315		37.60		

LTE Band 4	QPSK / 20M / 1RB Offset	20175	2N	400	44.54	PASS	43.29	PASS
				500	46.62		44.41	
				630	43.04		42.62	
				800	43.35		43.24	
				1000	43.65		43.53	
				1250	41.53		41.57	
				1600	42.85		43.38	
				2000	45.57		45.50	
				2500	43.01		43.13	
				3150	40.59		40.54	
				4000			42.36	
				5000			40.11	
LTE Band 4	QPSK / 20M / 1RB Offset	20175	8N	250		PASS	41.47	PASS
				315			38.39	
				400	44.67		44.18	
				500	46.01		45.85	
				630	44.73		45.29	
				800	44.95		45.85	
				1000	45.66		45.81	
				1250	42.98		42.99	
				1600	44.16		45.09	
				2000	46.12		46.48	
				2500	44.73		44.82	
				3150	41.61		40.80	
4000		43.42						
5000		41.32						
LTE Band 5	QPSK / 10M / 1RB Offset	20525	2N	250		PASS	37.61	PASS
				315			36.99	
				400	43.88		40.48	
				500	44.24		43.20	
				630	42.38		42.81	
				800	40.51		41.79	
				1000	42.17		42.49	
				1250	40.04		42.40	
				1600	42.56		42.48	
				2000	44.94		44.79	
				2500	42.11		41.67	
				3150	37.24		39.07	
4000		42.31						
5000		40.06						
LTE Band 5	QPSK / 10M / 1RB Offset	20525	8N	250		PASS	40.38	PASS
				315			38.26	
				400	44.71		44.54	
				500	44.62		45.34	
				630	44.20		43.34	
				800	44.19		43.51	
				1000	44.68		44.82	
				1250	42.70		42.21	
				1600	43.74		44.33	
				2000	45.86		46.07	
				2500	43.30		44.04	
				3150	41.07		40.86	
4000		43.37						
5000		41.18						
LTE Band 7	QPSK / 20M / 1RB Offset	21100	2N	250		PASS	38.01	PASS
				315			37.24	
				400	44.72		43.85	
				500	45.70		44.28	
				630	43.98		42.47	
				800	42.33		43.30	
				1000	43.03		44.25	
				1250	41.03		41.86	
				1600	44.51		43.60	
				2000	44.59		44.78	
				2500	42.54		42.05	
				3150	37.11		40.27	
4000		42.39						
5000		40.22						
LTE Band 7	QPSK / 20M / 1RB Offset	21100	8N	250		PASS	40.85	PASS
				315			38.61	
				400	45.86		45.51	
				500	45.44		45.56	
				630	44.28		44.73	
				800	44.57		44.89	
				1000	45.41		45.25	
				1250	42.73		42.89	
				1600	44.65		44.50	
				2000	46.34		46.39	
				2500	44.27		44.31	
				3150	41.20		41.54	
4000		43.51						
5000		41.35						
				250			36.84	
				315			36.17	
				400	43.22		39.81	
				500	44.83		42.94	
				630	42.75		42.72	

LTE Band 12	QPSK / 10M / 1RB Offset	23095	2N	800	41.03	PASS	42.93	PASS
				1000	42.95		42.57	
				1250	40.22		41.75	
				1600	42.17		42.54	
				2000	43.89		44.07	
				2500	42.15		42.85	
				3150	37.50		40.17	
				4000			42.27	
				5000			40.07	
				250			39.38	
LTE Band 12	QPSK / 10M / 1RB Offset	23095	8N	315		PASS	38.20	PASS
				400	44.85		44.91	
				500	44.73		44.64	
				630	43.85		43.56	
				800	43.96		43.92	
				1000	44.64		44.61	
				1250	42.45		42.30	
				1600	44.06		43.79	
				2000	46.04		45.80	
				2500	43.81		43.40	
3150	40.93	41.28						
4000		43.19						
5000		41.16						
LTE Band 13	QPSK / 10M / 1RB Offset	23230	2N	250		PASS	37.06	PASS
				315			36.42	
				400	43.50		39.71	
				500	45.06		42.79	
				630	42.77		42.79	
				800	41.18		43.12	
				1000	42.99		42.69	
				1250	40.39		41.76	
				1600	42.32		42.58	
				2000	43.86		43.93	
2500	43.11	42.90						
3150	37.86	40.05						
4000		42.21						
5000		40.13						
LTE Band 13	QPSK / 10M / 1RB Offset	23230	8N	250		PASS	39.79	PASS
				315			38.03	
				400	44.93		44.19	
				500	44.74		44.83	
				630	43.46		43.51	
				800	43.56		44.11	
				1000	44.60		44.58	
				1250	42.38		42.31	
				1600	44.01		43.67	
				2000	46.10		45.67	
2500	43.66	43.27						
3150	40.74	41.36						
4000		43.14						
5000		41.20						
LTE Band 17	QPSK / 10M / 1RB Offset	23790	2N	250		PASS	37.04	PASS
				315			36.21	
				400	42.85		40.16	
				500	43.95		43.07	
				630	42.64		42.53	
				800	41.72		42.65	
				1000	42.66		42.49	
				1250	40.51		41.38	
				1600	42.37		42.16	
				2000	43.93		43.89	
2500	42.32	42.57						
3150	38.64	39.71						
4000		41.52						
5000		40.13						
LTE Band 17	QPSK / 10M / 1RB Offset	23790	8N	250		PASS	39.38	PASS
				315			38.20	
				400	44.71		44.65	
				500	44.95		44.71	
				630	43.82		43.66	
				800	43.87		43.62	
				1000	44.59		44.31	
				1250	42.51		42.36	
				1600	43.95		43.83	
				2000	45.78		45.61	
2500	43.90	43.59						
3150	41.05	40.98						
4000		43.19						
5000		41.04						
LTE Band 25	QPSK / 20M / 1RB Offset	26365	2N	250		PASS	38.15	PASS
				315			37.72	
				400	43.26		43.09	
				500	43.83		43.64	
				630	42.72		42.25	
				800	42.37		42.16	
1000	43.11	43.19						
1250	41.06	40.98						

				1600	43.02		42.90	
				2000	44.29		44.07	
				2500	43.13		42.99	
				3150	38.24		39.04	
				4000			40.75	
				5000			38.86	
LTE Band 25	QPSK / 20M / 1RB Offset	26365	8N	250			40.53	
				315			39.47	
				400	44.72		44.28	
				500	44.95		44.83	
				630	43.05		42.91	
				800	44.57		44.39	
				1000	44.86		44.67	
				1250	43.08		42.85	
				1600	44.39		44.22	
				2000	46.27		46.13	
				2500	44.54		44.37	
				3150	41.23		41.06	
				4000			43.24	
				5000			41.19	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	2N	250			38.44	
				315			37.39	
				400	44.57		43.01	
				500	46.44		44.60	
				630	43.15		42.96	
				800	43.39		43.48	
				1000	43.71		44.01	
				1250	41.23		42.07	
				1600	43.86		43.55	
				2000	45.33		45.46	
				2500	42.99		42.48	
				3150	39.89		40.42	
				4000			42.44	
				5000			40.07	
LTE Band 66	QPSK / 20M / 1RB Offset	132322	8N	250			41.26	
				315			38.77	
				400	45.47		45.23	
				500	46.93		45.73	
				630	45.41		44.12	
				800	44.95		44.83	
				1000	45.66		45.14	
				1250	43.65		43.46	
				1600	44.93		45.24	
				2000	46.74		46.61	
				2500	45.67		45.06	
				3150	42.20		42.21	
				4000			43.33	
				5000			41.29	
LTE Band 71	QPSK / 20M / 1RB Offset	133322	2N	250			37.80	
				315			36.95	
				400	42.81		43.39	
				500	43.85		44.41	
				630	42.69		42.75	
				800	43.18		43.24	
				1000	43.65		43.81	
				1250	41.91		41.83	
				1600	43.25		43.20	
				2000	44.50		44.54	
				2500	43.22		43.16	
				3150	40.59		40.60	
				4000			42.14	
				5000			40.18	
LTE Band 71	QPSK / 20M / 1RB Offset	133322	8N	250			41.28	
				315			39.23	
				400	45.84		46.34	
				500	46.17		45.82	
				630	45.22		45.26	
				800	45.45		45.82	
				1000	45.32		45.66	
				1250	43.05		43.19	
				1600	44.86		45.43	
				2000	46.33		45.51	
				2500	44.80		44.84	
				3150	42.07		41.99	
				4000			43.29	
				5000			41.30	
WLAN 2.4GHz	802.11b	6	2N	250			45.86	
				315			37.47	
				400	43.52		38.15	
				500	54.11		48.94	
				630	43.89		40.52	
				800	45.33		42.05	
				1000	46.68		42.30	
				1250	40.98		41.02	
				1600	46.01		42.52	
				2000	56.34		57.57	
				2500	44.86		46.59	

WLAN 2.4GHz	802.11b	6	8N	3150	41.72	PASS	44.77	PASS
				4000			49.55	
				5000			38.44	
				250			44.15	
				315			42.10	
				400	42.23		41.17	
				500	48.37		45.84	
				630	44.20		41.25	
				800	42.33		40.28	
				1000	44.47		43.28	
				1250	42.67		41.61	
				1600	46.71		43.65	
				2000	55.24		55.60	
				2500	48.78		41.17	
3150	40.80	48.73						
4000		46.35						
5000		38.59						
WLAN 5.2GHz	802.11a 6Mbps	44	2N	250		PASS	41.55	PASS
				315			34.98	
				400	43.14		36.11	
				500	50.44		39.90	
				630	46.55		45.22	
				800	44.63		42.64	
				1000	47.45		38.07	
				1250	43.55		39.54	
				1600	43.41		48.41	
				2000	56.39		48.26	
				2500	44.57		40.25	
				3150	42.55		46.05	
				4000			46.82	
				5000			35.12	
WLAN 5.2GHz	802.11a 6Mbps	44	8N	250		PASS	43.75	PASS
				315			41.15	
				400	41.58		40.52	
				500	46.51		40.31	
				630	46.18		42.72	
				800	44.51		45.54	
				1000	45.63		39.50	
				1250	42.37		40.75	
				1600	46.76		48.27	
				2000	53.82		48.21	
				2500	45.92		41.22	
				3150	43.44		50.23	
				4000			46.38	
				5000			35.33	
WLAN 5.3GHz	802.11a 6Mbps	60	2N	250		PASS	43.76	PASS
				315			41.46	
				400	44.65		36.51	
				500	46.67		37.15	
				630	44.98		40.72	
				800	44.79		45.48	
				1000	41.82		40.88	
				1250	44.35		39.96	
				1600	44.32		39.40	
				2000	55.38		42.44	
				2500	47.94		47.84	
				3150	40.79		41.56	
				4000			48.20	
				5000			38.75	
WLAN 5.3GHz	802.11a 6Mbps	60	8N	250		PASS	43.85	PASS
				315			42.08	
				400	42.53		38.42	
				500	43.31		43.23	
				630	47.27		44.81	
				800	43.54		43.80	
				1000	43.72		40.32	
				1250	43.58		40.07	
				1600	43.50		46.18	
				2000	53.13		46.02	
				2500	48.41		39.68	
				3150	42.75		44.45	
				4000			47.86	
				5000			38.89	
WLAN 5.5GHz	802.11a 6Mbps	120	2N	250		PASS	43.76	PASS
				315			34.92	
				400	41.08		37.09	
				500	50.40		41.28	
				630	45.31		45.30	
				800	42.88		43.66	
				1000	47.71		38.75	
				1250	40.69		40.06	
				1600	44.97		45.85	
				2000	55.27		51.37	
				2500	46.05		39.31	
				3150	42.54		46.95	
				4000			36.74	
				5000			38.14	

WLAN 5.5GHz	802.11a 6Mbps	120	8N	250		PASS	43.11	PASS
				315			41.16	
				400	41.18		38.40	
				500	44.44		40.29	
				630	46.32		46.41	
				800	45.00		42.91	
				1000	41.94		39.05	
				1250	41.36		38.47	
				1600	46.28		45.13	
				2000	51.74		47.12	
				2500	47.04		39.02	
				3150	40.13		46.54	
				4000			49.70	
				5000			36.88	
WLAN 5.8GHz	802.11ac80 MCS0	155	2N	250		PASS	44.22	PASS
				315			36.41	
				400	42.52		37.17	
				500	49.30		40.99	
				630	43.32		43.76	
				800	45.73		41.02	
				1000	45.19		38.85	
				1250	42.85		40.15	
				1600	42.95		44.97	
				2000	53.53		46.81	
				2500	44.46		38.88	
				3150	41.77		50.61	
				4000			44.95	
				5000			39.45	
WLAN 5.8GHz	802.11ac80 MCS0	155	8N	250		PASS	44.87	PASS
				315			42.33	
				400	41.35		38.44	
				500	40.81		40.43	
				630	49.15		49.62	
				800	43.05		42.78	
				1000	44.33		39.02	
				1250	42.22		40.99	
				1600	49.59		39.05	
				2000	54.46		53.29	
				2500	46.26		38.73	
				3150	42.02		50.71	
				4000			47.16	
				5000			39.70	