



REPORT No.: SZ23120302S02

Annex C Test Results Data 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	43.83							
			500	44.71							
			630	40.15							
			800	42.86							
			1000	43.42							
			1250	38.39							
			1600	41.90							
			2000	40.58							
			2500	40.85							
			3150	44.27							
			4000								
			5000								
GSM 1900	GSM Voice	661	250		PASS		/	PASS			
			315								
			400	44.02							
			500	44.59							
			630	40.33							
			800	42.84							
			1000	43.55							
			1250	38.32							
			1600	41.79							
			2000	40.70							
			2500	40.94							
			3150	44.38							
			4000								
			5000								
WCDMA II	AMR 12.2Kbps	9400	250		PASS	39.80	PASS	PASS			PASS
			315								
			400	44.04							
			500	44.81							
			630	40.37							
			800	43.10							
			1000	43.52							
			1250	38.38							
			1600	41.84							
			2000	40.75							
			2500	40.96							
			3150	44.43							
			4000								
			5000								
WCDMA IV	AMR 12.2Kbps	1413	250		PASS	39.82	PASS	PASS			PASS
			315								
			400	43.91							
			500	44.70							
			630	40.34							
			800	43.06							
			1000	43.25							
			1250	38.47							
			1600	41.72							
			2000	40.66							
			2500	40.83							
			3150	44.38							
			4000								
			5000								
WCDMA V	AMR 12.2Kbps	4182	250		PASS	39.77	PASS	PASS			PASS
			315								
			400	43.95							
			500	44.64							
			630	40.24							
			800	42.97							
			1000	43.36							
			1250	38.31							
			1600	41.86							
			2000	40.62							
			2500	40.90							
			3150	44.29							
			4000								
			5000								
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250		PASS	41.53	PASS	PASS			PASS
			315								
			400	46.53							
			500	45.73							
			630	41.78							
			800	38.23							
			1000	41.18							
			1250	38.23							
			1600	42.01							
			2000	43.96							
			2500	49.82							
			3150	42.74							
			4000								
			5000								
			250			40.28					

LTE Band 4	QPSK / 20M / 1RB Offset	20175	315		PASS	37.57		PASS	38.74	PASS
			400	47.02		45.23	49.38		50.26	
			500	46.11		46.03	48.06		49.43	
			630	42.09		42.28	45.21		44.46	
			800	38.46		38.25	41.23		43.39	
			1000	41.05		41.26	41.66		42.86	
			1250	37.47		37.11	38.76		38.47	
			1600	42.23		41.36	43.14		42.69	
			2000	42.82		41.54	43.56		42.87	
			2500	45.41		44.39	46.04		45.64	
			3150	43.59		43.17	44.05		43.73	
			4000			41.16			42.06	
			5000			41.76			41.54	
LTE Band 5	QPSK / 10M / 1RB Offset	20525	250		PASS	40.34		PASS	42.28	PASS
			315			39.41			41.33	
			400	45.54		45.18	46.13		46.28	
			500	46.85		45.96	46.77		46.54	
			630	47.16		47.03	47.19		47.03	
			800	40.14		41.11	42.23		42.54	
			1000	43.52		42.28	44.03		45.54	
			1250	37.44		37.31	39.07		38.98	
			1600	42.29		42.22	44.32		44.15	
			2000	40.75		40.58	42.86		42.73	
			2500	50.18		49.23	51.23		50.28	
			3150	43.08		43.24	44.12		44.03	
			4000			47.32			48.59	
5000		42.56		43.62						
LTE Band 7	QPSK / 20M / 1RB Offset	21100	250		PASS	40.17		PASS	41.84	PASS
			315			39.96			41.22	
			400	48.12		46.37	51.42		50.89	
			500	43.38		43.56	46.06		47.33	
			630	41.34		42.03	43.35		43.04	
			800	38.06		39.11	41.35		41.18	
			1000	40.09		40.34	42.51		43.91	
			1250	37.57		37.63	39.12		39.04	
			1600	42.28		41.55	43.11		42.89	
			2000	44.27		43.29	47.13		46.57	
			2500	49.76		49.47	51.23		50.08	
			3150	42.42		41.59	44.10		44.32	
			4000			40.50			42.28	
5000		39.86		40.11						
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250		PASS	40.53		PASS	42.13	PASS
			315			39.70			41.28	
			400	45.23		45.11	46.55		46.63	
			500	46.54		46.23	47.06		47.23	
			630	47.23		47.11	48.43		48.23	
			800	40.12		40.24	41.53		41.39	
			1000	43.46		43.28	44.63		44.28	
			1250	37.40		37.25	38.73		38.54	
			1600	42.33		42.48	43.27		43.56	
			2000	40.72		40.39	41.45		41.83	
			2500	49.86		49.47	50.81		51.03	
			3150	44.74		44.36	45.52		46.23	
			4000			47.48			47.59	
5000		42.72		43.84						
LTE Band 13	QPSK / 10M / 1RB Offset	23230	250		PASS	40.28		PASS	42.83	PASS
			315			39.83			41.32	
			400	45.42		45.63	46.23		46.78	
			500	46.23		46.09	47.11		47.03	
			630	47.19		47.23	48.26		47.29	
			800	40.09		40.11	41.38		41.22	
			1000	43.48		42.94	43.39		43.27	
			1250	37.41		37.24	39.18		39.05	
			1600	42.25		42.09	44.37		44.26	
			2000	40.66		40.48	42.79		42.70	
			2500	49.94		49.82	50.38		50.18	
			3150	44.83		44.36	43.42		43.28	
			4000			47.35			48.24	
5000		42.36		43.35						
LTE Band 48	QPSK / 20M / 1RB Offset	55990	250		PASS	39.84		PASS	42.07	PASS
			315			39.68			41.46	
			400	44.12		44.05	46.20		46.13	
			500	44.52		44.39	46.59		46.53	
			630	40.22		40.17	42.34		42.26	
			800	42.98		42.83	45.17		45.03	
			1000	43.35		43.26	45.37		45.32	
			1250	38.36		38.22	40.23		40.11	
			1600	41.87		41.64	43.75		43.60	
			2000	40.73		40.62	42.55		42.44	
			2500	40.98		40.91	43.21		43.07	
			3150	44.36		44.27	46.60		46.51	
			4000			39.61			41.98	
5000		39.34		41.40						
LTE Band 66	QPSK / 20M / 1RB	132322	250		PASS	40.57		PASS	42.23	PASS
			315			40.23			39.68	
			400	46.72		44.42	48.71		48.23	
			500	45.33		45.39	47.26		47.03	
			630	41.27		41.03	43.41		45.85	
			800	39.23		39.56	42.32		41.89	
			1000	41.23		41.09	41.74		40.96	

WLAN Band	Offset	Channel	1250	38.42	PASS	37.18	PASS	38.74	PASS	38.42	PASS
WLAN 2.4GHz	802.11n40 MCS0	6	1600	42.75	PASS	42.14	PASS	45.75	PASS	45.44	PASS
			2000	38.04		37.48		39.58		40.11	
			2500	47.77		47.64		48.69		48.13	
			3150	43.22		42.57		44.45		43.80	
			4000			43.24				44.18	
			5000			40.44				39.26	
			250			40.41				42.04	
			315			39.59				41.45	
			400	43.84		43.73		45.90		45.81	
			500	44.64		44.53		46.70		46.52	
			630	40.24		40.16		42.35		42.21	
			800	42.97		42.81		45.14		45.07	
			1000	43.36		43.19		45.42		45.28	
			1250	38.31		38.22		40.16		40.03	
1600	41.86	41.73	43.79	43.66							
2000	40.21	40.15	42.37	42.24							
2500	40.74	40.69	42.88	42.76							
3150	43.91	43.88	46.13	46.07							
4000		40.09		42.22							
5000		39.24		41.15							
WLAN 5.2GHz	802.11ac40 MCS0	46	250		PASS	39.89	PASS		PASS	41.68	PASS
			315			39.27				41.04	
			400	43.41		43.23		45.63		45.52	
			500	44.19		44.13		46.42		46.30	
			630	39.72		39.62		42.19		42.05	
			800	42.61		42.55		45.01		44.84	
			1000	43.15		43.09		45.28		45.03	
			1250	38.04		37.92		40.05		39.79	
			1600	41.47		41.28		43.44		43.16	
			2000	40.10		40.03		42.17		42.04	
			2500	40.38		40.24		42.53		42.31	
			3150	43.66		43.49		45.88		45.57	
			4000			39.77				42.05	
			5000			39.06				40.98	
WLAN 5.8GHz	802.11ac40 MCS0	159	250		PASS	39.95	PASS		PASS	41.72	PASS
			315			39.18				41.13	
			400	43.29		43.11		45.70		45.53	
			500	44.20		44.08		46.51		46.38	
			630	39.87		39.75		42.13		42.06	
			800	42.55		42.43		44.96		44.81	
			1000	43.08		43.02		45.17		45.02	
			1250	38.10		37.99		39.94		39.84	
			1600	41.33		41.17		43.38		43.27	
			2000	40.01		39.93		42.09		42.01	
			2500	40.26		40.19		42.42		42.22	
			3150	43.54		43.42		45.95		45.79	
			4000			39.80				41.94	
			5000			38.95				40.97	