



REPORT No.: SZ23120301S02

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 12.65Kbps		AMR-NB 12.2Kbps		AMR-WB 12.65Kbps		
				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			250			40.62				38.69	PASS	
			315			37.65				35.62		
			400	35.77		35.88		37.26		36.41		
			500	36.28		37.26		36.55		37.36		
			630	35.47		35.93		36.19		36.41		
			800	36.08		36.70		36.79		36.11		
			1000	34.99	PASS	36.27	PASS	35.28	PASS	35.29		
			1250	35.27		34.59		36.11		37.48		
			1600	35.68		40.26		37.83		39.76		
			2000	37.29		38.71		41.24		42.39		
			2500	37.22		38.22		39.24		39.11		
			3150	38.69		40.26		41.36		37.59		
			4000			38.45				42.26		
			5000			41.66				42.67		
										43.49		
GSM1900			250			40.28				43.49	PASS	
			315			34.66				34.39		
			400	37.86		35.79		38.59		37.07		
			500	39.19		38.24		39.55		37.67		
			630	36.33		36.48		40.34		37.30		
			800	37.80		36.22		38.12		37.41		
			1000	35.66	PASS	36.38	PASS	39.79	PASS	37.84		
			1250	34.29		35.11		34.87		36.89		
			1600	37.26		37.25		37.95		38.49		
			2000	40.14		41.26		46.32		48.23		
			2500	39.29		38.67		38.83		40.74		
			3150	41.37		39.41		38.63		40.36		
			4000			41.28				47.18		
			5000			42.71				46.82		
										39.02		
WCDMA II			250			39.81				37.13	PASS	
			315			36.27				37.06		
			400	39.55		39.12		40.66		40.29		
			500	37.65		38.30		38.51		38.18		
			630	40.22		36.47		37.05		37.06		
			800	41.28		37.16		40.27		38.21		
			1000	39.25	PASS	38.25	PASS	40.18	PASS	39.20		
			1250	40.16		37.22		36.27		37.43		
			1600	35.92		38.26		36.82		38.55		
			2000	37.43		41.29		42.16		42.39		
			2500	40.12		39.55		40.29		44.34		
			3150	38.63		40.27		41.34		38.69		
			4000			43.09				42.57		
			5000			45.11				46.28		
										42.32		
WCDMA IV			250			41.66				37.12	PASS	
			315			35.76				37.12		
			400	38.44		39.03		38.45		40.43		
			500	37.29		37.36		37.82		39.17		
			630	38.57		38.14		38.24		38.05		
			800	40.12		37.81		39.15		38.12		
			1000	41.18	PASS	37.23	PASS	38.42	PASS	38.21		
			1250	36.17		36.39		35.62		38.25		
			1600	38.22		36.81		36.39		38.32		
			2000	41.35		46.45		42.25		49.30		
			2500	40.82		39.24		52.45		41.18		
			3150	40.28		37.70		39.47		38.56		
			4000			47.74				48.59		
			5000			46.08				47.13		
										40.59		
WCDMA V			250			40.11				36.29	PASS	
			315			35.29				36.29		
			400	40.25		38.47		40.79		38.14		
			500	39.24		39.69		38.11		39.54		
			630	38.71		37.54		39.14		39.78		
			800	38.89		38.26		40.74		39.19		
			1000	39.25	PASS	38.45	PASS	40.53	PASS	39.01		
			1250	37.24		36.40		34.72		40.06		
			1600	36.45		37.58		38.48		38.51		
			2000	42.82		41.49		46.14		42.13		
			2500	39.26		39.17		46.14		38.26		
			3150	41.15		38.64		38.69		39.44		
			4000			42.71				42.57		
			5000			44.29				43.78		
										33.59		
LTE Band 2	QPSK / 20M / 1RB Offset	18900	250			30.29				30.78	PASS	
			315			39.35				31.05		
			400	38.25		31.59		32.29		33.41		
			500	36.39		32.61		37.59		37.82		
			630	36.17		32.33		36.55		34.59		
			800	38.33		35.95		38.16		33.26		
			1000	37.43	PASS	37.82	PASS	38.57	PASS	34.61		
			1250	36.29		32.38		33.25		38.57		
			1600	38.23		34.51		37.41		42.28		
			2000	42.26		40.33		41.29		38.14		
			2500	41.11		36.55		38.52		38.42		
			3150	36.52		37.52		37.42		42.05		
			4000			42.16				40.58		
			5000			36.28				33.33		
										31.25		
LTE Band 4	QPSK / 20M / 1RB Offset	20175	250			34.25				33.33	PASS	
			315			33.17				31.25		
			400	40.26		36.27		38.26		34.74		
			500	38.28		34.16		39.13		35.14		
			630	37.58		33.23		38.55		34.48		
			800	38.12		34.46		36.24		36.71		
			1000	34.52	PASS	38.23	PASS	36.78	PASS	32.58		
			1250	36.55		31.71		38.02		33.84		
			1600	38.73		36.26		35.16		38.62		
			2000	42.26		37.14		42.17		42.16		
			2500	38.17		37.10		36.48		43.19		
			3150	36.38		38.67		39.27		37.59		
			4000			42.12				42.94		
			5000			38.26				43.26		
										35.62		
LTE Band 5	QPSK / 10M / 1RB Offset	20525	250			35.26				32.47	PASS	
			315			33.15				40.26		
			400	38.68		33.96		38.24		35.26		
			500	35.71		36.58		36.18		34.91		
			630	38.86		37.43		36.79		32.27		
			800	37.45		35.79		38.27		38.06		
			1000	38.66	PASS	38.36	PASS	38.54	PASS	36.29		
			1250	36.75		36.07		35.59		36.72		
			1600	38.33		33.28		36.71				

			2000	42.81		41.26		41.26	42.18
			2500	37.66		40.80		38.41	39.29
			3150	35.27		36.41		35.21	36.71
			4000			42.37			42.61
			5000			38.06			40.39
LTE Band 12	QPSK / 10M / 1RB Offset	23095	250			38.75			39.11
			315			32.79			35.15
			400	40.26		34.16		40.28	35.78
			500	38.47		36.82		38.16	34.48
			630	36.36		34.19		38.37	36.28
			800	35.38		35.81		38.13	34.49
			1000	35.26	PASS	36.17	PASS	38.70	35.94
			1250	38.19		38.54		35.37	36.28
			1600	39.56		35.86		33.16	40.16
			2000	42.15		40.26		42.19	42.25
			2500	37.88		33.66		36.85	40.06
			3150	39.19		38.71		35.52	38.17
			4000			40.05			42.75
			5000			36.46			41.36
LTE Band 17	QPSK / 10M / 1RB Offset	23230	250			33.25			35.36
			315			37.26			32.26
			400	39.22		38.26		38.92	37.63
			500	35.61		33.73		40.22	35.82
			630	38.24		30.89		37.26	34.42
			800	35.19		35.16		36.71	30.29
			1000	40.28	PASS	32.17	PASS	38.56	33.71
			1250	37.55		33.37		33.19	32.85
			1600	36.53		38.26		35.26	36.47
			2000	39.57		42.57		40.28	38.69
			2500	38.26		39.91		37.71	38.51
			3150	37.18		42.52		36.48	36.72
			4000			40.60			40.14
			5000			40.15			38.69
LTE Band 25	QPSK / 10M / 1RB Offset	23330	250			32.88			32.29
			315			34.69			30.35
			400	35.33		35.26		36.55	33.39
			500	38.26		34.61		37.71	35.53
			630	37.54		33.02		38.15	31.47
			800	36.75		39.35		37.57	33.26
			1000	38.33		38.63		38.46	35.41
			1250	40.06	PASS	37.56	PASS	41.29	36.62
			1600	36.51		38.36		37.22	33.60
			2000	40.55		40.26		42.63	38.51
			2500	37.26		42.52		38.17	38.49
			3150	36.42		37.62		38.56	40.29
			4000			42.09			35.92
			5000			40.18			42.26
LTE Band 26	QPSK / 10M / 1RB Offset	23790	250			32.29			32.13
			315			33.35			33.51
			400	38.33		38.29		38.59	35.50
			500	36.57		34.25		37.85	36.19
			630	38.39		35.47		38.36	31.71
			800	36.52		38.91		37.27	36.62
			1000	38.26		37.51		38.63	35.41
			1250	39.11	PASS	40.26	PASS	35.61	36.22
			1600	36.24		38.60		38.29	38.41
			2000	40.35		40.15		42.18	42.19
			2500	37.12		38.96		37.88	40.06
			3150	34.75		40.25		39.25	37.66
			4000			41.26			42.16
			5000			38.68			42.62
LTE Band 41	QPSK / 10M / 1RB Offset	23925	250			31.26			33.38
			315			32.78			39.15
			400	39.26		38.15		38.55	40.23
			500	38.52		40.18		39.26	42.10
			630	37.62		39.26		40.22	43.19
			800	35.14		41.15		35.36	40.26
			1000	36.27	PASS	42.68	PASS	36.11	38.91
			1250	36.11		40.37		38.03	40.16
			1600	39.64		41.19		37.28	39.36
			2000	41.35		43.26		42.16	45.37
			2500	38.17		44.15		35.56	42.13
			3150	39.02		40.27		39.23	40.21
			4000			41.33			43.29
			5000			39.34			42.36
LTE Band 66	QPSK / 10M / 1RB Offset	24075	250			32.61			31.26
			315			36.51			35.31
			400	39.15		38.52		38.26	39.34
			500	38.02		40.27		37.81	33.25
			630	35.26		42.16		36.26	31.57
			800	36.19		42.47		38.17	31.34
			1000	34.21	PASS	41.69	PASS	38.36	38.71
			1250	39.16		41.26		35.11	36.33
			1600	38.02		43.57		38.29	38.64
			2000	41.87		42.28		42.12	31.57
			2500	40.61		40.26		37.69	40.41
			3150	38.19		41.91		38.42	41.06
			4000			38.70			42.28
			5000			41.48			38.74
LTE Band 71	QPSK / 20M / 1RB Offset	26365	250			32.84			33.61
			315			33.36			29.38
			400	37.26		35.51		38.82	30.81
			500	38.66		34.26		35.69	33.37
			630	35.17		35.28		37.16	35.14
			800	36.62		35.66		34.85	36.25
			1000	35.81	PASS	37.51	PASS	36.88	33.71
			1250	37.54		38.16		37.16	35.36
			1600	38.55		39.55		38.25	37.60
			2000	40.29		40.29		40.24	42.91
			2500	38.22		42.61		37.19	38.91
			3150	39.19		38.62		38.92	39.20
			4000			42.11			42.26
			5000			40.36			40.33
WLAN 2.4GHz	802.11n20 MCS0	7	250			30.66			34.82
			315			35.62			40.25
			400	39.73		41.03		40.19	41.26
			500	42.29		38.26		41.24	39.81
			630	41.37		40.26		41.44	40.53
			800	42.72		40.15		42.51	42.04
			1000	41.18	PASS	41.59	PASS	44.28	47.27
			1250	39.66		42.61		40.13	41.03
			1600	40.25		40.37		42.26	42.19

WLAN 5.2GHz	802.11ac20 MCS 0	46	2000	42.61	PASS	38.92	PASS	47.31	PASS	45.43
			2500	40.52		40.66		42.44		41.75
			3150	42.25		42.15		39.95		43.26
			4000			41.81				42.26
			5000			40.50				40.36
			250			40.39				38.62
			315			37.82				40.36
			400	37.41		39.26		38.24		41.66
			500	38.56		40.69		36.26		38.92
			630	40.26		42.26		40.69		35.26
800	41.93	41.26	41.38	40.17						
1000	39.26	42.06	39.82	41.91						
1250	38.16	43.82	40.36	42.33						
1600	41.17	45.23	42.91	38.61						
2000	42.66	42.66	41.45	45.25						
2500	38.42	41.47	40.01	43.71						
3150	40.33	42.26	41.69	42.36						
4000		40.30		41.23						
5000		42.76		40.61						
WLAN 5.3GHz	802.11ac20 MCS 0	62	250		PASS	39.52	PASS		PASS	39.62
			315			37.92				38.06
			400	36.66		40.15		37.26		35.66
			500	38.49		40.28		40.22		40.28
			630	39.15		41.09		38.46		41.31
			800	37.82		42.27		39.27		42.80
			1000	38.55		39.97		38.59		41.52
			1250	37.41		41.03		40.38		40.39
			1600	38.21		42.26		39.26		42.67
			2000	41.52		41.57		41.66		43.71
2500	40.28	42.06	40.52	43.25						
3150	37.78	41.92	39.62	40.37						
4000		40.70		41.25						
5000		41.28		42.60						
WLAN 5.5GHz	802.11ac20 MCS 0	126	250		PASS	46.66	PASS		PASS	41.59
			315			38.39				38.41
			400	39.24		36.12		36.69		37.06
			500	35.67		41.55		40.16		38.89
			630	39.55		45.41		38.82		41.26
			800	40.62		44.18		39.85		40.98
			1000	38.26		41.39		37.63		38.37
			1250	37.45		40.51		39.04		39.16
			1600	38.29		47.35		37.26		42.42
			2000	42.17		48.34		41.75		45.21
2500	39.42	44.98	38.29	40.06						
3150	38.16	43.66	40.13	42.26						
4000		42.53		45.51						
5000		41.97		39.74						
WLAN 5.8GHz	802.11ac20 MCS 0	159	250		PASS	40.59	PASS		PASS	40.26
			315			35.26				35.46
			400	37.26		38.35		38.26		36.71
			500	38.65		36.79		39.71		40.26
			630	40.26		42.26		40.22		41.69
			800	39.78		41.16		36.51		42.85
			1000	37.14		41.52		38.26		41.37
			1250	38.43		40.48		38.17		39.55
			1600	39.29		41.26		39.22		42.24
			2000	40.19		42.51		42.19		41.74
2500	39.82	40.03	39.28	42.19						
3150	37.52	42.26	38.76	40.69						
4000		41.59		41.56						
5000		42.67		40.33						

Sample Technique			2N Mounting Force		8N Mounting Force
Air Interface	Modulation / Mode	Channel	Nominal Center Frequency (Hz)	AMR-WB 14.25Kbps	AMR-WB 14.25Kbps
				Distortion and Noise (dB)	Distortion and Noise (dB)
WCDMA V	AMR 12.2Kbps	4182	250	32.54	36.69
			315	33.48	37.09
			400	35.84	36.28
			500	34.46	37.13
			630	34.57	42.22
			800	39.22	41.52
			1000	40.41	39.29
			1250	35.34	37.20
			1600	45.16	44.64
			2000	41.13	43.81
			2500	41.24	43.64
			3150	34.66	35.86
			4000	41.03	39.51
			5000	42.82	43.37
			LTE Band 2	QPSK / 20M / 1RB Offset	18900
315	35.12	37.25			
400	38.23	41.54			
500	37.51	39.98			
630	38.14	40.49			
800	36.16	42.53			
1000	41.50	42.09			
1250	34.95	35.40			
1600	41.43	41.93			
2000	42.99	43.07			
2500	42.55	42.42			
3150	35.50	38.56			
4000	44.02	43.07			
5000	40.79	42.58			
LTE Band 41	QPSK / 10M / 1RB Offset	23925			
			315	33.34	35.91
			400	35.76	38.47
			500	37.45	39.72
			630	38.35	40.98
			800	40.03	39.47
			1000	39.23	43.71
			1250	36.77	38.84
			1600	43.73	42.08
			2000	42.27	44.49
			2500	39.33	40.14
			3150	37.68	39.07
			4000	42.29	40.10
			5000	41.31	40.23