

NR Band n78 Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.13	0	0.0
	1	108	25.21		
	1	215	25.12		
	108	0	24.84	≤ 0.5	0.5
	108	54	25.05	0	0.0
	108	108	24.94	≤ 0.5	0.5
	216	0	24.75		
DFT-s OFDM QPSK	1	1	25.40	0	0.0
	1	108	25.41		
	1	215	25.33		
	108	0	24.95	≤ 1	1.0
	108	54	25.12	0	0.0
	108	108	25.00	≤ 1	1.0
	216	0	24.90		
DFT-s OFDM 16QAM	1	1	24.43	≤ 1	1.0
	1	108	24.48		
	1	215	24.38		
DFT-s OFDM 64QAM	1	1	22.97	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.90	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.93	≤ 1.5	1.5

Table 8.4.16.4 NR Conducted Power

NR Band n78 Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.11	0	0.0
	1	94	25.19		
	1	187	25.09		
	90	0	24.89	≤ 0.5	0.5
	90	45	25.09	0	0.0
	90	90	24.87	≤ 0.5	0.5
	180	0	24.78		
DFT-s OFDM QPSK	1	1	25.23	0	0.0
	1	94	25.32		
	1	187	25.29		
	90	0	24.96	≤ 1	1.0
	90	45	25.22	0	0.0
	90	90	25.03	≤ 1	1.0
	180	0	24.94		
DFT-s OFDM 16QAM	1	1	24.35	≤ 1	1.0
	1	94	24.46		
	1	187	24.40		
DFT-s OFDM 64QAM	1	1	22.89	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.94	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.89	≤ 1.5	1.5

Table 8.4.16.5 NR Conducted Power

NR Band n78 Conducted Power– 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	25.13	0	0.0
	1	80	25.24		
	1	160	25.07		
	81	0	24.71	≤ 0.5	0.5
	81	40	25.04	0	0.0
	81	81	24.83	≤ 0.5	0.5
	162	0	24.75		
DFT-s OFDM QPSK	1	1	25.34	0	0.0
	1	80	25.40		
	1	160	25.28		
	81	0	24.85	≤ 1	1.0
	81	40	25.09	0	0.0
	81	81	25.05	≤ 1	1.0
	162	0	24.84		
DFT-s OFDM 16QAM	1	1	24.44	≤ 1	1.0
	1	80	24.50		
	1	160	24.33		
DFT-s OFDM 64QAM	1	1	22.87	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.87	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.91	≤ 1.5	1.5

Table 8.4.16.6 NR Conducted Power

NR Band n78 Conducted Power-- 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648333 (3 725.00 MHz)	651666 (3 774.99 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	25.28	25.12	0	0.0
	1	66	25.32	25.34		
	1	131	25.23	25.16		
	64	0	24.77	24.95	≤ 0.5	0.5
	64	32	25.12	25.07	0	0.0
	64	64	24.84	24.88	≤ 0.5	0.5
	128	0	24.85	24.85		
DFT-s OFDM QPSK	1	1	25.31	25.30	0	0.0
	1	66	25.43	25.45		
	1	131	25.31	25.25		
	64	0	24.98	24.97	≤ 1	1.0
	64	32	25.15	25.12	0	0.0
	64	64	24.92	24.98	≤ 1	1.0
	128	0	24.97	24.98		
DFT-s OFDM 16QAM	1	1	24.33	24.36	≤ 1	1.0
	1	66	24.45	24.49		
	1	131	24.45	24.30		
DFT-s OFDM 64QAM	1	1	22.93	22.99	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.95	20.92	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.91	23.93	≤ 1.5	1.5

Table 8.4.16.7 NR Conducted Power

NR Band n78 Conducted Power– 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648000 (3 720.00 MHz)	652000 (3 780.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	25.14	25.17	0	0.0
	1	52	25.24	25.27		
	1	104	25.20	25.16		
	50	0	24.79	24.82	≤ 0.5	0.5
	50	25	25.10	25.14	0	0.0
	50	50	24.77	24.82	≤ 0.5	0.5
	100	0	24.74	24.85		
DFT-s OFDM QPSK	1	1	25.27	25.28	0	0.0
	1	52	25.37	25.30		
	1	104	25.23	25.27		
	50	0	24.88	25.01	≤ 1	1.0
	50	25	25.22	25.20	0	0.0
	50	50	24.94	24.91	≤ 1	1.0
	100	0	24.76	25.06		
DFT-s OFDM 16QAM	1	1	24.31	24.35	≤ 1	1.0
	1	52	24.37	24.39		
	1	104	24.28	24.34		
DFT-s OFDM 64QAM	1	1	22.97	22.93	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.82	20.86	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.87	23.85	≤ 1.5	1.5

Table 8.4.16.8 NR Conducted Power

NR Band n78 Conducted Power– 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647500 (3 715.02 MHz)	650000 (3 750.00 MHz)	652332 (3 784.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	25.11	25.08	25.17	0	0.0
	1	39	25.18	25.17	25.29		
	1	76	25.07	25.14	25.11		
	36	0	24.86	24.85	24.84	≤ 0.5	0.5
	36	18	25.04	25.15	25.04	0	0.0
	36	36	24.69	24.97	24.68	≤ 0.5	0.5
	75	0	24.69	24.74	24.72		
DFT-s OFDM QPSK	1	1	25.20	25.25	25.23	0	0.0
	1	39	25.27	25.26	25.32		
	1	76	25.19	25.20	25.27		
	36	0	24.89	24.90	24.96	≤ 1	1.0
	36	18	25.24	25.19	25.05	0	0.0
	36	36	24.91	25.01	24.75	≤ 1	1.0
	75	0	24.79	24.87	24.80		
DFT-s OFDM 16QAM	1	1	24.31	24.36	24.39	≤ 1	1.0
	1	39	24.39	24.38	24.40		
	1	76	24.30	24.32	24.29		
DFT-s OFDM 64QAM	1	1	22.88	22.88	22.92	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.91	20.79	20.89	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.73	23.90	23.91	≤ 1.5	1.5

Table 8.4.16.9 NR Conducted Power

NR Band n78 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647334 (3 710.01 MHz)	650000 (3 750.00 MHz)	652666 (3 789.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	25.12	25.18	25.24	0	0.0
	1	25	25.25	25.31	25.24		
	1	49	25.08	25.13	25.19		
	25	0	24.77	24.85	24.74	≤ 0.5	0.5
	25	12	25.08	25.08	25.03	0	0.0
	25	25	24.72	24.80	24.89	≤ 0.5	0.5
	50	0	24.62	24.80	24.85		
DFT-s OFDM QPSK	1	1	25.26	25.34	25.29	0	0.0
	1	25	25.36	25.35	25.35		
	1	49	25.14	25.29	25.32		
	25	0	24.84	24.88	24.89	≤ 1	1.0
	25	12	25.20	25.25	25.18	0	0.0
	25	25	24.75	24.97	25.02	≤ 1	1.0
	50	0	24.82	24.89	24.93		
DFT-s OFDM 16QAM	1	1	24.36	24.36	24.43	≤ 1	1.0
	1	25	24.50	24.46	24.46		
	1	49	24.25	24.36	24.39		
DFT-s OFDM 64QAM	1	1	22.90	22.90	23.00	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.87	21.01	20.98	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.91	23.88	23.88	≤ 1.5	1.5

Table 8.4.16.10 NR Conducted Power

NR Band n78 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647000 (3 705.00 MHz)	650000 (3 750.00 MHz)	653000 (3 795.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	25.15	25.17	25.14	0	0.0
	1	12	25.22	25.18	25.23		
	1	22	25.08	25.06	25.08		
	12	0	24.70	24.66	24.69	≤ 0.5	0.5
	12	6	25.12	25.09	25.14	0	0.0
	12	12	24.71	24.71	24.75	≤ 0.5	0.5
	24	0	24.60	24.82	24.82		
DFT-s OFDM QPSK	1	1	25.26	25.26	25.19	0	0.0
	1	12	25.29	25.27	25.31		
	1	22	25.15	25.20	25.21		
	12	0	24.85	24.89	24.88	≤ 1	1.0
	12	6	25.22	25.25	25.18	0	0.0
	12	12	24.74	24.88	24.89	≤ 1	1.0
	24	0	24.88	24.87	24.96		
DFT-s OFDM 16QAM	1	1	24.36	24.27	24.29	≤ 1	1.0
	1	12	24.45	24.40	24.41		
	1	22	24.28	24.31	24.33		
DFT-s OFDM 64QAM	1	1	22.99	22.87	23.02	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	20.94	20.89	20.78	≤ 4.5	4.5
CP OFDM QPSK	1	1	23.83	23.84	23.88	≤ 1.5	1.5

Table 8.4.16.11 NR Conducted Power

CA Conf.	RF Expos. Cond.	UL																					
		PCC						SCC						MPR	Standalone					PCC	SCC	PCC	SCC
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		PCC	Aggre gated BW	SCC	Aggre gated BW	MPR	Tune-Up Limit	Tune-Up Limit	CA Power	CA Power
2A-78A	Head	DFT-s OFDM QPSK	1	107	40	1880.0	376000	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.59	40	25.48	100	0	22.00	25.00	20.60	23.65
5A-78A	Head	DFT-s OFDM QPSK	1	52	20	836.5	167300	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	23.21	20	25.48	100	0	22.00	25.00	20.71	23.62
7A-78A	Head	DFT-s OFDM QPSK	1	107	40	2535.0	507000	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.39	40	25.48	100	0	22.00	25.00	20.14	23.62
12A-78A	Head	DFT-s OFDM QPSK	1	39	15	707.5	141500	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.96	15	25.48	100	0	22.00	25.00	20.77	23.63
25A-78A	Head	DFT-s OFDM QPSK	1	107	40	1882.5	376500	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.85	40	25.48	100	0	22.00	25.00	20.71	23.49
26A-78A	Head	DFT-s OFDM QPSK	1	52	20	831.5	166300	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.94	20	25.48	100	0	22.00	25.00	20.79	23.65
66A-78A	Head	DFT-s OFDM QPSK	1	107	40	1745.0	349000	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	22.99	40	25.48	100	0	22.00	25.00	20.95	23.65
71A-78A	Head	DFT-s OFDM QPSK	1	52	20	680.5	136100	DFT-s OFDM QPSK	1	136	100	3750.00	650000	0	23.02	20	25.48	100	0	22.00	25.00	20.86	23.50

Table 8.4.16.12 NR Conducted Power

Band & Mode		Modulated Average[dBm]
NR Band n78(ENDC)	Maximum	23.5
	Nominal	21.5

Table 8.4.16-1.1 Nominal and Maximum Output Power Spec

17-1) NR Band n78(ENDC)

NR Band n78 Conducted Power- 100 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.12	0	0.0
	1	136	22.22		
	1	271	22.10		
	135	0	21.73	≤ 0.5	0.5
	135	67	21.90	0	0.0
	135	135	21.75	≤ 0.5	0.5
	270	0	21.81		
DFT-s OFDM QPSK	1	1	22.27	0	0.0
	1	136	22.30		
	1	271	22.19		
	135	0	21.78	≤ 1	1.0
	135	67	22.11	0	0.0
	135	135	21.83	≤ 1	1.0
	270	0	21.89		
DFT-s OFDM 16QAM	1	1	21.30	≤ 1	1.0
	1	136	21.31		
	1	271	21.30		
DFT-s OFDM 64QAM	1	1	19.97	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.78	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.89	≤ 1.5	1.5

Table 8.4.16-1.2 NR Conducted Power

NR Band n78 Conducted Power- 90 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.01	0	0.0
	1	122	22.06		
	1	243	22.01		
	120	0	21.46	≤ 0.5	0.5
	120	60	21.84	0	0.0
	120	120	21.68	≤ 0.5	0.5
	243	0	21.65		
DFT-s OFDM QPSK	1	1	22.20	0	0.0
	1	122	22.21		
	1	243	22.05		
	120	0	21.69	≤ 1	1.0
	120	60	21.96	0	0.0
	120	120	21.72	≤ 1	1.0
	243	0	21.72		
DFT-s OFDM 16QAM	1	1	21.21	≤ 1	1.0
	1	122	21.23		
	1	243	21.15		
DFT-s OFDM 64QAM	1	1	19.82	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.81	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.71	≤ 1.5	1.5

Table 8.4.16-1.3 NR Conducted Power

NR Band n78 Conducted Power– 80 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	22.04	0	0.0
	1	108	22.12		
	1	215	21.95		
	108	0	21.61	≤ 0.5	0.5
	108	54	21.85	0	0.0
	108	108	21.67	≤ 0.5	0.5
	216	0	21.55		
DFT-s OFDM QPSK	1	1	22.18	0	0.0
	1	108	22.20		
	1	215	22.17		
	108	0	21.77	≤ 1	1.0
	108	54	21.88	0	0.0
	108	108	21.78	≤ 1	1.0
	216	0	21.69		
DFT-s OFDM 16QAM	1	1	21.24	≤ 1	1.0
	1	108	21.26		
	1	215	21.19		
DFT-s OFDM 64QAM	1	1	19.75	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.71	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.68	≤ 1.5	1.5

Table 8.4.16-1.4 NR Conducted Power

NR Band n78 Conducted Power– 70 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.86	0	0.0
	1	94	22.01		
	1	187	21.96		
	90	0	21.67	≤ 0.5	0.5
	90	45	21.91	0	0.0
	90	90	21.54	≤ 0.5	0.5
	180	0	21.57		
DFT-s OFDM QPSK	1	1	21.98	0	0.0
	1	94	22.11		
	1	187	22.07		
	90	0	21.73	≤ 1	1.0
	90	45	22.00	0	0.0
	90	90	21.75	≤ 1	1.0
	180	0	21.73		
DFT-s OFDM 16QAM	1	1	21.08	≤ 1	1.0
	1	94	21.15		
	1	187	21.12		
DFT-s OFDM 64QAM	1	1	19.70	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.64	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.55	≤ 1.5	1.5

Table 8.4.16-1.5 NR Conducted Power

NR Band n78 Conducted Power– 60 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			650000 (3 750.00 MHz)		
			Conducted Power (dBm)		
DFT-s OFDM $\pi/2$ BPSK	1	1	21.93	0	0.0
	1	80	21.97		
	1	160	21.90		
	81	0	21.42	≤ 0.5	0.5
	81	40	21.80	0	0.0
	81	81	21.57	≤ 0.5	0.5
	162	0	21.43		
DFT-s OFDM QPSK	1	1	22.08	0	0.0
	1	80	22.19		
	1	160	22.00		
	81	0	21.64	≤ 1	1.0
	81	40	21.90	0	0.0
	81	81	21.69	≤ 1	1.0
	162	0	21.69		
DFT-s OFDM 16QAM	1	1	21.10	≤ 1	1.0
	1	80	21.26		
	1	160	21.12		
DFT-s OFDM 64QAM	1	1	19.63	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.64	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.63	≤ 1.5	1.5

Table 8.4.16-1.6 NR Conducted Power

NR Band n78 Conducted Power-- 50 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648333 (3 725.00 MHz)	651666 (3 774.99 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM π/2 BPSK	1	1	21.96	21.94	0	0.0
	1	66	22.06	22.00		
	1	131	22.05	21.91		
	64	0	21.62	21.71	≤ 0.5	0.5
	64	32	21.93	21.77	0	0.0
	64	64	21.65	21.58	≤ 0.5	0.5
	128	0	21.58	21.61		
DFT-s OFDM QPSK	1	1	22.07	22.01	0	0.0
	1	66	22.26	22.22		
	1	131	22.20	22.02		
	64	0	21.76	21.76	≤ 1	1.0
	64	32	21.97	21.87	0	0.0
	64	64	21.78	21.70	≤ 1	1.0
	128	0	21.77	21.69		
DFT-s OFDM 16QAM	1	1	21.08	21.11	≤ 1	1.0
	1	66	21.27	21.34		
	1	131	21.24	21.08		
DFT-s OFDM 64QAM	1	1	19.73	19.74	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.66	17.72	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.60	20.64	≤ 1.5	1.5

Table 8.4.16-1.7 NR Conducted Power

NR Band n78 Conducted Power– 40 MHz Bandwidth						
Modulation	RB Size	RB Offset	Low-Mid Channel	Mid-High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			648000 (3 720.00 MHz)	652000 (3 780.00 MHz)		
			Conducted Power (dBm)			
DFT-s OFDM $\pi/2$ BPSK	1	1	21.88	21.93	0	0.0
	1	52	21.99	22.00		
	1	104	21.95	21.91		
	50	0	21.49	21.59	≤ 0.5	0.5
	50	25	21.86	21.98	0	0.0
	50	50	21.54	21.55	≤ 0.5	0.5
	100	0	21.52	21.56		
DFT-s OFDM QPSK	1	1	22.00	22.03	0	0.0
	1	52	22.15	22.06		
	1	104	21.99	21.92		
	50	0	21.71	21.74	≤ 1	1.0
	50	25	22.10	22.02	0	0.0
	50	50	21.68	21.60	≤ 1	1.0
	100	0	21.62	21.81		
DFT-s OFDM 16QAM	1	1	21.10	21.11	≤ 1	1.0
	1	52	21.27	21.12		
	1	104	21.10	21.07		
DFT-s OFDM 64QAM	1	1	19.71	19.60	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.64	17.66	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.61	20.56	≤ 1.5	1.5

Table 8.4.16-1.8 NR Conducted Power

NR Band n78 Conducted Power– 30 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647500 (3 715.02 MHz)	650000 (3 750.00 MHz)	652332 (3 784.98 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM π/2 BPSK	1	1	22.05	21.89	22.13	0	0.0
	1	39	22.06	21.97	22.17		
	1	76	21.93	21.92	21.90		
	36	0	21.59	21.63	21.65	≤ 0.5	0.5
	36	18	21.90	21.85	21.92	0	0.0
	36	36	21.48	21.77	21.51	≤ 0.5	0.5
	75	0	21.48	21.52	21.45		
DFT-s OFDM QPSK	1	1	22.11	21.96	22.22	0	0.0
	1	39	22.14	22.06	22.24		
	1	76	22.02	21.92	22.18		
	36	0	21.70	21.70	21.68	≤ 1	1.0
	36	18	22.08	22.01	21.94	0	0.0
	36	36	21.75	21.79	21.59	≤ 1	1.0
	75	0	21.59	21.61	21.60		
DFT-s OFDM 16QAM	1	1	21.11	21.11	21.30	≤ 1	1.0
	1	39	21.24	21.13	21.31		
	1	76	21.13	21.07	21.24		
DFT-s OFDM 64QAM	1	1	19.70	19.74	19.79	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.68	17.56	17.85	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.63	20.71	20.75	≤ 1.5	1.5

Table 8.4.16-1.9 NR Conducted Power

NR Band n78 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647334 (3 710.01 MHz)	650000 (3 750.00 MHz)	652666 (3 789.99 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	21.93	21.97	21.90	0	0.0
	1	25	22.02	22.10	21.98		
	1	49	21.89	21.97	21.90		
	25	0	21.57	21.69	21.54	≤ 0.5	0.5
	25	12	21.85	21.96	21.85	0	0.0
	25	25	21.50	21.55	21.62	≤ 0.5	0.5
	50	0	21.42	21.52	21.52		
DFT-s OFDM QPSK	1	1	22.10	22.13	22.02	0	0.0
	1	25	22.21	22.17	22.17		
	1	49	21.96	22.07	21.99		
	25	0	21.67	21.73	21.65	≤ 1	1.0
	25	12	22.03	21.98	21.93	0	0.0
	25	25	21.56	21.72	21.72	≤ 1	1.0
	50	0	21.61	21.60	21.77		
DFT-s OFDM 16QAM	1	1	21.22	21.19	21.14	≤ 1	1.0
	1	25	21.24	21.24	21.24		
	1	49	21.14	21.12	21.16		
DFT-s OFDM 64QAM	1	1	19.81	19.67	19.78	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.66	17.80	17.71	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.72	20.70	20.69	≤ 1.5	1.5

Table 8.4.16-1.10 NR Conducted Power

NR Band n78 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			647000 (3 705.00 MHz)	650000 (3 750.00 MHz)	653000 (3 795.00 MHz)		
			Conducted Power (dBm)				
DFT-s OFDM $\pi/2$ BPSK	1	1	21.94	21.89	21.97	0	0.0
	1	12	21.99	22.07	21.98		
	1	22	21.83	21.86	21.83		
	12	0	21.44	21.52	21.46	≤ 0.5	0.5
	12	6	21.83	21.90	21.89	0	0.0
	12	12	21.48	21.49	21.48	≤ 0.5	0.5
	24	0	21.39	21.52	21.63		
DFT-s OFDM QPSK	1	1	22.14	21.89	22.04	0	0.0
	1	12	22.18	22.10	22.10		
	1	22	21.97	21.91	21.99		
	12	0	21.65	21.68	21.61	≤ 1	1.0
	12	6	21.91	22.03	22.00	0	0.0
	12	12	21.63	21.60	21.68	≤ 1	1.0
	24	0	21.65	21.63	21.64		
DFT-s OFDM 16QAM	1	1	21.20	21.04	21.09	≤ 1	1.0
	1	12	21.28	21.13	21.10		
	1	22	20.98	21.12	21.04		
DFT-s OFDM 64QAM	1	1	19.71	19.69	19.69	≤ 2.5	2.5
DFT-s OFDM 256QAM	1	1	17.67	17.67	17.56	≤ 4.5	4.5
CP OFDM QPSK	1	1	20.69	20.63	20.55	≤ 1.5	1.5

Table 8.4.16-1.11 NR Conducted Power

9. SYSTEM VERIFICATION

9.1 Tissue Verification_Ext Ant

MEASURED TISSUE PARAMETERS										
Date(s)	Tissue Type	Ambient Temp.[°C]	Liquid Temp.[°C]	Measured Frequency [MHz]	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	Er Deviation [%]	σ Deviation [%]
Jun. 10. 2026 (n71)	750 Head	21.4	21.3	673.00	42.311	0.885	42.353	0.853	0.10	-3.60
				680.50	42.273	0.885	42.304	0.855	0.07	-3.43
				688.00	42.231	0.886	42.266	0.857	0.08	-3.26
				750.00	41.900	0.890	41.992	0.873	0.22	-1.91
May. 26. 2026 (B71)	750 Head	21.4	21.3	673.00	42.311	0.885	42.663	0.857	0.83	-3.15
				680.50	42.273	0.885	42.619	0.859	0.82	-2.97
				688.00	42.231	0.886	42.567	0.861	0.80	-2.81
				750.00	41.900	0.890	42.293	0.877	0.94	-1.46
Jun. 11. 2026 (n12/13/14)	750 Head	21.7	21.6	706.50	42.135	0.887	42.915	0.856	1.85	-3.50
				707.50	42.129	0.887	42.915	0.856	1.86	-3.51
				708.50	42.124	0.887	42.912	0.857	1.87	-3.40
				750.00	41.900	0.890	42.789	0.872	2.12	-2.02
				782.00	41.749	0.894	42.679	0.883	2.23	-1.20
				793.00	41.698	0.895	42.640	0.887	2.26	-0.90
May. 27. 2026 (B12/13/14)	750 Head	21.7	21.6	704.00	42.145	0.887	43.185	0.863	2.47	-2.70
				707.50	42.129	0.887	43.179	0.864	2.49	-2.61
				711.00	42.108	0.887	43.168	0.865	2.52	-2.52
				750.00	41.900	0.890	43.056	0.879	2.76	-1.24
				782.00	41.749	0.894	42.947	0.891	2.87	-0.31
				793.00	41.698	0.895	42.905	0.895	2.90	-0.01
Jun. 12. 2026 (n26)	835 Head	21.3	21.2	824.00	41.552	0.899	41.577	0.880	0.06	-2.08
				831.50	41.519	0.900	41.545	0.883	0.06	-1.84
				835.00	41.500	0.900	41.534	0.884	0.08	-1.78
				839.00	41.500	0.904	41.517	0.885	0.04	-2.14
May. 29. 2026 (B5)	835 Head	21.1	21.0	829.00	41.528	0.899	40.609	0.872	-2.21	-3.04
				835.00	41.500	0.900	40.585	0.874	-2.20	-2.89
				836.50	41.500	0.901	40.581	0.875	-2.21	-2.89
				844.00	41.500	0.910	40.551	0.877	-2.29	-3.59
May. 28. 2026 (B26)	835 Head	21.6	21.5	821.50	41.566	0.898	41.158	0.888	-0.98	-1.15
				831.50	41.519	0.900	41.130	0.892	-0.94	-0.84
				835.00	41.500	0.900	41.122	0.893	-0.91	-0.78
				841.50	41.500	0.906	41.106	0.896	-0.95	-1.15
Jun. 15. 2026 (n66)	1 800 Head	21.7	21.6	1 730.00	40.100	1.360	40.630	1.319	1.32	-3.01
				1 745.00	40.079	1.369	40.605	1.327	1.31	-3.04
				1 760.00	40.057	1.377	40.582	1.334	1.31	-3.13
				1 800.00	40.000	1.400	40.544	1.355	1.36	-3.21
Jun. 01. 2026 (B66)	1 800 Head	21.8	21.7	1 720.00	40.114	1.354	41.551	1.338	3.58	-1.20
				1 745.00	40.079	1.369	41.523	1.352	3.60	-1.21
				1 770.00	40.043	1.383	41.501	1.367	3.64	-1.15
				1 800.00	40.000	1.400	41.469	1.385	3.67	-1.07
Jun. 16. 2026 (n25)	1 900 Head	21.5	21.4	1 870.00	40.000	1.400	41.487	1.396	3.72	-0.29
				1 882.50	40.000	1.400	41.474	1.403	3.68	0.21
				1 895.00	40.000	1.400	41.462	1.410	3.66	0.71
				1 900.00	40.000	1.400	41.458	1.413	3.65	0.93
Jun. 04. 2026 (B2)	1 900 Head	21.9	21.8	1 860.00	40.000	1.400	41.412	1.360	3.53	-2.86
				1 880.00	40.000	1.400	41.379	1.371	3.45	-2.07
				1 900.00	40.000	1.400	41.346	1.382	3.36	-1.29
				1 860.00	40.000	1.400	41.092	1.385	2.73	-1.07
Jun. 02. 2026 (B25)	1 900 Head	21.4	21.3	1 882.50	40.000	1.400	41.075	1.398	2.69	-0.14
				1 900.00	40.000	1.400	41.064	1.408	2.66	0.57
				1 905.00	40.000	1.400	41.060	1.410	2.65	0.71
				2 520.00	39.107	1.875	40.362	1.851	3.21	-1.26
Jun. 17. 2026 (n7)	2 600 Head	21.6	21.5	2 535.00	39.087	1.891	40.343	1.863	3.21	-1.46
				2 550.00	39.067	1.907	40.321	1.875	3.21	-1.66
				2 600.00	39.000	1.960	40.262	1.914	3.24	-2.35
				2 546.00	39.072	1.902	39.980	1.863	2.32	-2.07
Jun. 18. 2026 (n41)	2 600 Head	21.4	21.3	2 593.00	39.011	1.951	39.926	1.900	2.35	-2.69
				2 600.00	39.000	1.960	39.921	1.904	2.36	-2.86
				2 640.00	38.950	2.004	39.865	1.936	2.35	-3.39
				2 510.00	39.120	1.864	40.609	1.850	3.81	-0.75
Jun. 05. 2026 (B7)	2 600 Head	21.5	21.4	2 535.00	39.087	1.891	40.574	1.870	3.81	-1.09
				2 560.00	39.053	1.917	40.536	1.889	3.80	-1.48
				2 600.00	39.000	1.960	40.492	1.920	3.83	-2.04
				2 506.00	39.125	1.860	39.976	1.913	2.17	2.86
Jun. 08. 2026 (B41)	2 600 Head	21.6	21.5	2 549.50	39.068	1.906	39.908	1.950	2.15	2.33
				2 593.00	39.009	1.953	39.843	1.986	2.14	1.71
				2 600.00	39.000	1.960	39.831	1.993	2.13	1.68
				2 636.50	38.955	2.000	39.781	2.024	2.12	1.22
				2 680.00	38.900	2.048	39.712	2.062	2.09	0.68

MEASURED TISSUE PARAMETERS										
Date(s)	Tissue Type	Ambient Temp.[°C]	Liquid Temp.[°C]	Measured Frequency [MHz]	Target Dielectric Constant, ϵ_r	Target Conductivity, σ (S/m)	Measured Dielectric Constant, ϵ_r	Measured Conductivity, σ (S/m)	Er Deviation [%]	σ Deviation [%]
Jun. 19. 2026 (n48)	3500 3700 Head	21.5	21.4	3 500.00	37.900	2.910	38.265	2.845	0.96	-2.23
				3 570.00	37.830	2.983	38.165	2.911	0.89	-2.41
				3 625.00	37.775	3.040	38.100	2.965	0.86	-2.47
				3 680.00	37.720	3.097	38.042	3.021	0.85	-2.46
				3 690.00	37.710	3.108	38.035	3.033	0.86	-2.40
				3 700.00	37.700	3.118	38.027	3.043	0.87	-2.41
Jun. 09. 2026 (B48)	3500 3700 Head	21.2	21.1	3 500.00	37.900	2.910	38.114	2.824	0.56	-2.96
				3 560.00	37.840	2.972	38.056	2.880	0.57	-3.11
				3 603.30	37.797	3.017	38.074	2.931	0.73	-2.85
				3 646.70	37.754	3.062	38.054	2.976	0.79	-2.80
				3 690.00	37.710	3.108	38.039	3.022	0.87	-2.75
				3 700.00	37.700	3.118	38.041	3.032	0.90	-2.76
Jun. 22. 2026 (n77)	3700 3900 Head	21.6	21.5	3 500.00	37.900	2.910	38.934	2.875	2.73	-1.20
				3 700.00	37.700	3.118	38.684	3.075	2.61	-1.38
				3 750.00	37.650	3.170	38.629	3.128	2.60	-1.32
				3 900.00	37.500	3.326	38.468	3.297	2.58	-0.87
				3 930.00	37.470	3.357	38.441	3.332	2.59	-0.75

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB 865664 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the sample which was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured
- 4) The complex relative permittivity, for example from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\epsilon_r\epsilon_0}{[\ln(b/a)]^2} \int_a^b \int_a^b \int_0^\pi \cos\phi' \frac{\exp[-j\omega r(\mu_0\epsilon_r\epsilon_0)^{1/2}]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

9.2 Test System Verification_Ext Ant

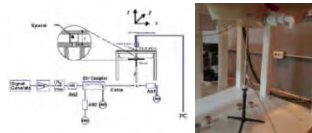
Prior to assessment, the system is verified to the $\pm 10\%$ of the specifications at using the SAR Dipole kit(s). (Graphic Plots Attached)

Table 9.2.1 System Verification Results (1g)

SYSTEM DIPOLE VERIFICATION TARGET & MEASURED												
SAR System #	Freq. [MHz]	SAR Dipole kits	Date(s)	Tissue Type	Ambient Temp. [°C]	Liquid Temp. [°C]	Probe S/N	Input Power (mW)	1 W Target SAR _{1g} (W/kg)	Measured SAR _{1g} (W/kg)	1 W Normalized SAR _{1g} (W/kg)	Deviation [%]
B	750 (n71)	D750V3, SN:1049	Jun. 10. 2026	Head	21.4	21.3	7898	250	8.76	2.13	8.52	-2.74
B	750 (B71)	D750V3, SN:1049	May. 26. 2026	Head	21.4	21.3	7898	250	8.76	2.08	8.32	-5.02
B	750 (n12/13/14)	D750V3, SN:1049	Jun. 11. 2026	Head	21.7	21.6	7898	250	8.76	2.12	8.48	-3.20
B	750 (B12/13/14)	D750V3, SN:1049	May. 27. 2026	Head	21.7	21.6	7898	250	8.76	2.18	8.72	-0.46
B	835 (n26)	D835V2, SN:4d159	Jun. 12. 2026	Head	21.3	21.2	7898	250	9.47	2.41	9.64	1.80
B	835 (B5)	D835V2, SN:4d159	May. 29. 2026	Head	21.1	21.0	7898	250	9.47	2.25	9.00	-4.96
B	835 (B26)	D835V2, SN:4d159	May. 28. 2026	Head	21.6	21.5	7898	250	9.47	2.35	9.40	-0.74
B	1 800 (n66)	D1800V2, SN:2d202	Jun. 15. 2026	Head	21.7	21.6	7898	100	38.70	3.70	37.00	-4.39
B	1 800 (B66)	D1800V2, SN:2d202	Jun. 01. 2026	Head	21.8	21.7	7898	100	38.70	3.81	38.10	-1.55
B	1 900 (n25)	D1900V2, SN:5d176	Jun. 16. 2026	Head	21.5	21.4	7898	100	40.20	3.94	39.40	-1.99
B	1 900 (B2)	D1900V2, SN:5d176	Jun. 04. 2026	Head	21.9	21.8	7898	100	40.20	4.02	40.20	0.00
B	1 900 (B25)	D1900V2, SN:5d176	Jun. 02. 2026	Head	21.4	21.3	7898	100	40.20	4.14	41.40	2.99
B	2 600 (n7)	D2600V2, SN:1103	Jun. 17. 2026	Head	21.6	21.5	7898	100	56.50	5.64	56.40	-0.18
B	2 600 (n41)	D2600V2, SN:1103	Jun. 18. 2026	Head	21.4	21.3	7898	100	56.50	5.61	56.10	-0.71
B	2 600 (B7)	D2600V2, SN:1103	Jun. 05. 2026	Head	21.5	21.4	7898	100	56.50	5.52	55.20	-2.30
B	2 600 (B41)	D2600V2, SN:1103	Jun. 08. 2026	Head	21.6	21.5	7898	100	56.50	5.66	56.60	0.18
B	3 500 (n48)	D3500V2, SN: 1018	Jun. 19. 2026	Head	21.5	21.4	3916	100	63.50	5.93	59.30	-6.61
B	3 500 (B48)	D3500V2, SN: 1018	Jun. 09. 2026	Head	21.2	21.1	3916	100	63.50	5.98	59.80	-5.83
B	3 500 (n77)	D3500V2, SN: 1018	Jun. 22. 2026	Head	21.6	21.5	3916	100	63.50	6.16	61.60	-2.99
B	3 700 (n48)	D3700V2, SN: 1023	Jun. 19. 2026	Head	21.5	21.4	3916	100	67.60	6.45	64.50	-4.59
B	3 700 (B48)	D3700V2, SN: 1023	Jun. 09. 2026	Head	21.2	21.1	3916	100	67.60	6.40	64.00	-5.33
B	3 700 (n77)	D3700V2, SN: 1023	Jun. 22. 2026	Head	21.6	21.5	3916	100	67.60	7.09	70.90	4.88
B	3 900 (n77)	D3900V2, SN: 1037	Jun. 22. 2026	Head	21.6	21.5	3916	100	69.60	7.15	71.50	2.73

Note(s):

1. System Verification was measured with input 250 mW, 100 mW and normalized to 1W.
2. Full system validation status and results can be found in Appendix D.

**Figure 9.1 Dipole Verification Test Setup Diagram & Photo**

10. SAR TEST RESULTS

10.1 Standalone Head SAR Results

Table 10.1.1 LTE Head SAR_Ext Ant

MEASUREMENT RESULTS																	
FREQUENCY		Model/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
MHz	Ch																
680.5	133297	LTE B71	20	24.00	22.73	-0.000	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.040	1.340	0.054	A1
680.5	133297	LTE B71	20	23.00	21.75	0.010	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.034	1.334	0.045	
707.5	23095	LTE B12	10	24.00	22.23	0.030	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.050	1.503	0.075	
707.5	23095	LTE B12	10	23.00	21.38	0.020	1	40 mm [Bottom]	FCC #1	QPSK	25	0	1:1	0.039	1.452	0.057	
707.5	23095	ULCA 12B	5	25.00	23.80	-0.040	0	40 mm [Bottom]	FCC #1	QPSK	1	24	1:1	0.062	1.318	0.082	A2
714.7	23167		10								1	0					
782.0	23230	LTE B13	10	24.00	22.39	0.110	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.038	1.449	0.055	A3
782.0	23230	LTE B13	10	23.00	21.55	0.050	1	40 mm [Bottom]	FCC #1	QPSK	25	0	1:1	0.025	1.396	0.035	
793.0	23330	LTE B14	10	24.00	22.50	0.030	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.031	1.413	0.044	A4
793.0	23330	LTE B14	10	23.00	21.47	-0.020	1	40 mm [Bottom]	FCC #1	QPSK	25	0	1:1	0.025	1.422	0.036	
831.5	26865	LTE B26	15	24.00	22.56	-0.010	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.019	1.393	0.026	A5
831.5	26865	LTE B26	15	23.00	21.59	0.030	1	40 mm [Bottom]	FCC #1	QPSK	36	0	1:1	0.013	1.384	0.018	
836.5	20525	LTE B5	10	24.00	22.70	-0.160	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.017	1.349	0.023	
836.5	20525	LTE B5	10	23.00	21.58	-0.060	1	40 mm [Bottom]	FCC #1	QPSK	25	0	1:1	0.011	1.387	0.015	
836.5	20525	ULCA 5B	10	25.00	24.26	-0.130	0	40 mm [Bottom]	FCC #1	QPSK	1	49	1:1	0.021	1.186	0.025	A6
846.4	20624		10								1	0					
1720.0	132072	LTE B66	20	24.00	22.58	-0.180	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.022	1.387	0.031	
1745.0	132322	LTE B66	20	24.00	22.60	-0.050	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.025	1.380	0.035	A7
1770.0	132572	LTE B66	20	24.00	22.55	-0.040	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.018	1.396	0.025	
1745.0	132322	LTE B66	20	23.00	21.47	0.010	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.018	1.422	0.026	
1745.0	132322	ULCA 66B	10	24.00	22.47	-0.010	0	40 mm [Bottom]	FCC #1	QPSK	1	49	1:1	0.023	1.422	0.033	
1754.9	132421		10								1	0					
1745.0	132322	ULCA 66C	20	24.00	22.40	0.180	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.022	1.445	0.032	
1764.8	132520		20								1	0					
1860.0	26140	LTE B25	20	24.00	22.26	-0.010	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.016	1.493	0.024	
1882.5	26365	LTE B25	20	24.00	22.27	0.150	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.017	1.489	0.025	A8
1905.0	26590	LTE B25	20	24.00	22.18	0.030	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.012	1.521	0.018	
1882.5	26365	LTE B25	20	23.00	21.42	0.070	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.014	1.439	0.020	
1860.0	18700	LTE B2	20	24.00	22.73	-0.060	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.019	1.340	0.025	
1880.0	18900	LTE B2	20	24.00	22.75	0.080	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.019	1.334	0.025	
1900.0	19100	LTE B2	20	24.00	22.73	0.180	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.017	1.340	0.023	
1880.0	18900	LTE B2	20	23.00	21.71	0.070	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.015	1.346	0.020	
1860.0	18700	ULCA 2C	20	24.00	23.18	-0.040	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.021	1.208	0.025	
1879.8	18898		20								1	0					
1880.0	18900	ULCA 2C	20	24.00	23.21	-0.160	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.022	1.199	0.026	A9
1899.8	19098		20								1	0					
1900.0	19100	ULCA 2C	20	24.00	23.16	-0.040	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.020	1.213	0.024	
1880.2	18902		20								1	0					
2510.0	20850	LTE B7	20	24.00	22.32	-0.140	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.025	1.472	0.037	
2535.0	21100	LTE B7	20	24.00	22.42	-0.050	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.038	1.439	0.055	A10
2560.0	21350	LTE B7	20	24.00	22.39	0.170	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1	0.023	1.449	0.033	
2535.0	21100	LTE B7	20	23.00	21.43	0.040	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1	0.025	1.435	0.036	
2535.0	21100	ULCA 7C	20	24.00	22.17	-0.080	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1	0.033	1.524	0.050	
2554.8	21298		20								1	0					
2506.0	39750	LTE B41	20	25.70	23.78	-0.000	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.009	1.556	0.014	
2549.5	40185	LTE B41	20	25.70	23.78	-0.080	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.009	1.556	0.014	
2593.0	40620	LTE B41	20	25.70	23.79	-0.160	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.013	1.552	0.020	A11
2636.5	41055	LTE B41	20	25.70	23.77	0.030	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.009	1.560	0.014	
2680.0	41490	LTE B41	20	25.70	23.76	0.110	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.009	1.563	0.014	
2593.0	40620	LTE B41	20	24.70	23.19	-0.020	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1.58	0.009	1.416	0.013	
2593.0	40620	ULCA 41C	20	24.00	22.87	-0.120	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1.58	0.011	1.297	0.014	
2612.8	40818		20								1	0					
3560.0	55340	LTE B48	20	24.00	22.29	-0.030	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.002	1.483	0.003	
3603.3	55773	LTE B48	20	24.00	22.30	-0.060	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.002	1.479	0.003	
3646.7	56207	LTE B48	20	24.00	22.38	-0.130	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.006	1.452	0.009	A12
3690.0	56640	LTE B48	20	24.00	22.33	-0.140	0	40 mm [Bottom]	FCC #1	QPSK	1	0	1:1.58	0.001	1.469	0.001	
3646.7	56207	LTE B48	20	23.00	21.49	0.110	1	40 mm [Bottom]	FCC #1	QPSK	50	0	1:1.58	0.003	1.416	0.004	
3646.7	56207	ULCA 48C	20	23.00	21.42	-0.090	0	40 mm [Bottom]	FCC #1	QPSK	1	99	1:1.58	0.005	1.439	0.007	
3666.5	56405		20								1	0					
ANSI / IEEE C95.1-1992- SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure									Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 10.1.2 NR Head SAR Ext Ant

FREQUENCY		MEASUREMENT RESULTS															
MHz	Ch	Model/ Band	BW [MHz]	Max Allowed Power [dBm]	Cond. PWR [dBm]	Drift Power [dB]	MPR	Position	Device Serial Number	Waveform/ Mod.	RB Size	RB Offs.	Duty Cycle	1g SAR (W/kg)	Scaling Factor	1g Scaled SAR (W/kg)	Plots #
680.5	136100	NR B71	20	24.00	23.02	-0.100	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	52	1:1	0.021	1.253	0.026	B1
680.5	136100	NR B71	20	24.00	22.97	-0.110	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	50	25	1:1	0.018	1.268	0.023	
680.5	136100	NR B71	20	22.50	21.75	0.070	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.008	1.189	0.010	
707.5	141500	NR B12	15	24.00	22.96	0.050	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	39	1:1	0.013	1.271	0.017	B2
707.5	141500	NR B12	15	24.00	22.92	-0.010	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	36	18	1:1	0.009	1.282	0.012	
707.5	141500	NR B12	15	22.50	21.77	0.100	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.007	1.183	0.008	
782.0	156400	NR B13	10	24.00	23.26	-0.060	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	25	1:1	0.009	1.186	0.011	B3
782.0	156400	NR B13	10	24.00	23.22	-0.110	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	25	12	1:1	0.008	1.197	0.010	
782.0	156400	NR B13	10	22.50	22.17	-0.110	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.008	1.079	0.009	
793.0	158600	NR B14	10	24.00	23.13	0.050	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	25	1:1	0.010	1.222	0.012	B4
793.0	158600	NR B14	10	24.00	23.07	0.050	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	25	12	1:1	0.009	1.239	0.011	
793.0	158600	NR B14	10	22.50	21.69	-0.030	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.007	1.205	0.008	
831.5	166300	NR B26	20	24.00	22.94	-0.020	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	52	1:1	0.007	1.276	0.009	B5
831.5	166300	NR B26	20	24.00	22.79	0.140	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	50	25	1:1	0.006	1.321	0.008	
831.5	166300	NR B26	20	22.50	21.73	0.050	0	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.005	1.194	0.006	
1 745.0	349000	NR B66	40	24.00	22.99	-0.120	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.010	1.262	0.013	B6
1 745.0	349000	NR B66	40	24.00	22.92	-0.020	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	108	54	1:1	0.008	1.282	0.010	
1 745.0	349000	NR B66	40	22.50	21.71	0.080	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.008	1.199	0.010	
1 882.5	376500	NR B25	40	24.00	22.85	-0.030	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.006	1.303	0.008	B7
1 882.5	376500	NR B25	40	24.00	22.81	0.040	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	108	54	1:1	0.005	1.315	0.007	
1 882.5	376500	NR B25	40	22.50	21.87	-0.170	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.005	1.156	0.006	
2 535.0	507000	NR B7	40	24.00	22.39	-0.060	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.018	1.449	0.026	B8
2 535.0	507000	NR B7	40	24.00	22.37	-0.100	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	108	54	1:1	0.014	1.455	0.020	
2 535.0	507000	NR B7	40	22.50	21.38	-0.170	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.008	1.294	0.010	
2 592.99	518598	NR B41	100	24.00	22.91	-0.100	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	136	1:1	0.013	1.285	0.017	B9
2 592.99	518598	NR B41	100	24.00	22.87	-0.030	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	135	67	1:1	0.011	1.297	0.014	
2 592.99	518598	NR B41	100	22.50	21.81	0.020	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.007	1.172	0.008	
3 570.00	638000	NR B48	40	24.00	22.38	0.070	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.006	1.452	0.009	
3 624.99	641666	NR B48	40	24.00	22.52	-0.180	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.011	1.406	0.015	B10
3 679.98	645332	NR B48	40	24.00	22.45	-0.180	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	108	1:1	0.008	1.429	0.011	
3 624.99	641666	NR B48	40	24.00	22.48	-0.140	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	108	54	1:1	0.008	1.419	0.011	
3 624.99	641666	NR B48	40	24.00	21.14	-1.630	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.005	1.932	0.010	
3 750.00	650000	NR B77	100	27.00	25.78	-0.180	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	136	1:1	0.022	1.324	0.029	B11
3 930.00	662000	NR B77	100	27.00	25.73	-0.180	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	136	1:1	0.020	1.340	0.027	
3 750.00	650000	NR B77	100	27.00	25.71	0.120	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	135	67	1:1	0.020	1.346	0.027	
3 750.00	650000	NR B77 DoD	100	27.00	25.75	-0.110	0	40 mm [Bottom]	FCC #1	DFTS-OFDM QPSK	1	136	1:1	0.018	1.334	0.024	
3 750.00	650000	NR B77	100	25.50	24.61	-0.070	1.5	40 mm [Bottom]	FCC #1	CP-OFDM QPSK	1	1	1:1	0.014	1.227	0.017	
ANSI / IEEE C95.1-1992- SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population Exposure									Head 1.6 W/kg (mW/g) averaged over 1 gram								

10.2 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 447498 D01v06.
2. Batteries are fully charged at the beginning of the SAR measurements. A standard battery was used for all SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
6. Ext Ant Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 40 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
7. SAR measurements were performed using the DASY5 automated system. The procedure for spatial peak SAR evaluation has been implemented according to the IEEE 1528 standard. During a maximum search, global and local maxima searches are automatically performed in 2-D after each area scan measurement. The algorithm will find the global maximum and all local maxima within 2 dB of the global maxima for all SAR distributions. All local maxima within 2 dB of the global maximum were searched and passed for the Zoom Scan measurement.

LTE Notes:

1. LTE Considerations: LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r05. The general test procedures used for testing can be found in Section 8.4.4.
2. According to FCC KDB 941225 D05v02r05, when the reported SAR is ≤ 0.8 W/kg, testing of the 100% RB allocation and required test channels is not required.
Otherwise, SAR is required for the remaining required test channels using the 1 RB, 50% RB and 100% RB allocation with highest output power for that channel.
Only one channel, and as reported SAR values for 1 RB allocation and 50% RB allocation were less than 1.45 W/kg only the highest power RB offset for each allocation was required.
3. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36. 101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
4. A-MPR was disabled for all SAR tests by setting NS=1 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
5. Per FCC KDB Publication 447498 D01v06, when the reported (scaled) for LTE Band 41 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
6. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r05. Testing was performed using UL-DL configuration 0 with 6 UL sub frames and 2S sub frames using extended cyclic prefix only and special sub frame configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Sec. 4, the duty factor using extended cyclic prefix is 0.633 (cf=1.58).
7. SAR test reduction is applied using the following criteria:
Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is > 0.8 W/kg, testing for other channels is performed at the highest output power level for 1 RB, and 50% RB configuration for that channel. Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg, Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg. Testing for 16QAM modulation is not required because the reported SAR for QPSK is < 1.45 W/kg and its output power is not more than 0.5 dB higher than that a QPSK. Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

NR Notes:

1. NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR RF1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Due to test setup limitations, SAR testing for NR TDD was performed using test mode software to establish the connection.
3. Simultaneous transmission analysis for EN-DC operations is addressed in the Test Report.
4. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
5. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
6. Per FCC KDB Publication 447498 D01v06, when the reported NR Band n41 SAR measured at the highest output power channel in a given a test configuration was $> 0.6 \text{ W/kg}$ for 1g evaluations and $> 1.5 \text{ W/kg}$ for 10g evaluation, testing at the other channels was required for such test configurations.
7. For final implementation, NR Band n41/n48/n77 slot configuration is synchronized using maximum duty cycle of 100%. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.

11. FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

11.1 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore simultaneous transmission analysis is required. Per FCC KDB 447498 D01v06 4.3.2, simultaneous transmission SAR test exclusion may be applied when the sum of the sum 1-g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is ≤ 1.6 W/kg. The different test position in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1-g or 10-g SAR.

11.2 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be transmitting simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06.

Table 11.2.1 Simultaneous SAR Cases

No.	Capable Transmit Configuration	Head	Note
1	NR SA ULCA	YES	
2	ENDC		

11.3 Head SAR Simultaneous Transmission Analysis

Table 11.3.4 Max 4G/5G (Head SAR) Ext Ant

Head	LTE B71	LTE B12	LTE B13	LTE B14	LTE B26	LTE B5	LTE B66	LTE B25	LTE B2	LTE B7	LTE B41	LTE B48	Max
Bottom Side	0.054	0.075	0.055	0.044	0.026	0.023	0.035	0.025	0.026	0.055	0.020	0.009	0.075

Head	n71	n12	n13	n14	n26	n66	n25	n7	n41	n48	n77 DoD	n77	Max
Bottom Side	0.026	0.017	0.011	0.012	0.009	0.013	0.008	0.026	0.012	0.015	0.024	0.029	0.029

Table 11.3.5 Max NR SA ULCA (Head SAR) Ext Ant

Head	SA UL CA_n2A-n48A		SA UL CA_n2A-n77A		SA UL CA_n2A-n78A		SA UL CA_n5A-n48A		SA UL CA_n5A-n77A		Max
	n2A	n48A	n2A	n77A	n2A	n78A	n5A	n48A	n5A	n77A	
Bottom Side	0.008	0.015	0.008	0.029	0.008	0.029	0.009	0.015	0.009	0.029	N/A
	0.023		0.037		0.037		0.024		0.038		0.038

Head	SA UL CA_n5A-n78A		SA UL CA_n7A-n77A		SA UL CA_n7A-n78A		SA UL CA_n12A-n48A		SA UL CA_n12A-n77A		Max
	n5A	n78A	n7A	n77A	n7A	n78A	n12A	n48A	n12A	n77A	
Bottom Side	0.009	0.029	0.026	0.029	0.026	0.029	0.017	0.015	0.017	0.029	N/A
	0.038		0.055		0.055		0.032		0.046		0.055

Head	SA UL CA_n12A-n78A		SA UL CA_n13A-n77A		SA UL CA_n14A-n77A		SA UL CA_n25A-n48A		SA UL CA_n25A-n77A		Max
	n12A	n78A	n13A	n77A	n14A	n77A	n25A	n48A	n25A	n77A	
Bottom Side	0.017	0.029	0.011	0.029	0.012	0.029	0.008	0.015	0.008	0.029	N/A
	0.046		0.04		0.041		0.023		0.037		0.046

Head	SA UL CA_n25A-n78A		SA UL CA_n26A-n77A		SA UL CA_n26A-n78A		SA UL CA_n66A-n48A		SA UL CA_n66A-n77A		Max
	n25A	n78A	n26A	n77A	n26A	n78A	n66A	n48A	n66A	n77A	
Bottom Side	0.008	0.029	0.009	0.029	0.009	0.029	0.013	0.015	0.013	0.029	N/A
	0.037		0.038		0.038		0.028		0.042		0.042

Head	SA UL CA_n66A-n78A		SA UL CA_n71A-n77A		SA UL CA_n71A-n78A		SA UL CA_n66A-n78A		SA UL CA_n71A-n77A		Max
	n66A	n78A	n71A	n77A	n71A	n78A	n66A	n78A	n71A	n77A	
Bottom Side	0.013	0.029	0.026	0.029	0.026	0.029	0.013	0.029	0.026	0.029	N/A
	0.042		0.055		0.055		0.042		0.055		0.055

Head	SA UL CA_n71A-n78A		Max
	n71A	n78A	
Bottom Side	0.026	0.029	N/A
	0.055		0.055

Table 11.3.6 Max ENDC (Head SAR) _Ext Ant

Head	DC_2A_n77A		DC_2A_n78A		DC_4A_n78A		DC_5A_n77A		DC_5A_n78A		Max
	2A	n77A	2A	n78A	4A	n78A	5A	n77A	5A	n78A	
Bottom Side	0.026	0.029	0.026	0.029	0.035	0.029	0.023	0.029	0.023	0.029	N/A
	0.055		0.055		0.064		0.052		0.052		0.064

Head	DC_7A_n77A		DC_7A_n78A		DC_12A_n77A		DC_12A_n78A		DC_13A_n77A		Max
	7A	n77A	7A	n78A	12A	n77A	12A	n78A	13A	n77A	
Bottom Side	0.055	0.029	0.055	0.029	0.075	0.029	0.075	0.029	0.055	0.029	N/A
	0.084		0.084		0.104		0.104		0.084		0.104

Head	DC_13A_n78A		DC_14A_n77A		DC_14A_n78A		DC_25A_n77A		DC_25A_n78A		Max
	13A	n78A	14A	n77A	14A	n78A	25A	n77A	25A	n78A	
Bottom Side	0.055	0.029	0.044	0.029	0.044	0.029	0.025	0.029	0.025	0.029	N/A
	0.084		0.073		0.073		0.054		0.054		0.084

Head	DC_26A_n78A		DC_41A_n77A		DC_41A_n78A		DC_66A_n77A		DC_66A_n78A		Max
	26A	n78A	41A	n77A	41A	n78A	66A	n77A	66A	n78A	
Bottom Side	0.026	0.029	0.02	0.029	0.02	0.029	0.013	0.029	0.013	0.029	N/A
	0.055		0.049		0.049		0.042		0.042		0.055

Head	DC_71A_n77A		DC_71A_n78A								Max	
	71A	n77A	71A	n78A								
Bottom Side	0.026	0.029	0.026	0.029								N/A
	0.055		0.055									0.055

11.4 Simultaneous Transmission Conclusion

The above numerical summed SAR results for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06.

12. SAR MEASUREMENT VARIABILITY

12.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

1. When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
2. A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~10% from the 1-g SAR limit).
3. A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
4. Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg
5. The same procedures should be adapted for measurements according to extremity exposure limits by applying a factor of 2.5 for extremity exposure to the corresponding SAR thresholds.

12.2 Measurement Uncertainty

The measured SAR was < 1.5 W/kg for 1g and < 3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04 was not required.

13. EQUIPMENT LIST

Table 13.1 Test Equipment Calibration

	Type	Manufacturer	Model	Cal.Date	Next.Cal.Date	S/N
☒	SEMITEC Engineering	SEMITEC	N/A	N/A	N/A	Shield Room
☒	Robot	SPEAG	TX60L	N/A	N/A	F14/5VR2A1/A/01
☒	Robot Controller	SPEAG	CS8C	N/A	N/A	F14/5VR2A1/C/01
☒	Joystick	SPEAG	P21142605A	N/A	N/A	D21142605A
☒	Intel Xeon W-2 253 3.70 GHz Windows 11 Professional	N/A	N/A	N/A	N/A	N/A
☒	Probe Alignment Unit LB	N/A	N/A	N/A	N/A	SE UKS 030 AA
☒	Device Holder	SPEAG	SD000H01KA	N/A	N/A	N/A
☒	2 mm Oval Phantom ELI6	SPEAG	QDOVA003AA	N/A	N/A	2008
☒	Data Acquisition Electronics	SPEAG	DAE4V1	2026-04-22	2027-04-22	1485
☒	Dosimetric E-Field Probe	SPEAG	EX3DV4	2025-11-21	2026-11-21	7898
☒	Dosimetric E-Field Probe	SPEAG	EX3DV4	2026-03-31	2027-03-31	3916
☒	SEMITEC Engineering	SEMITEC	N/A	N/A	N/A	Shield Room
☒	Robot	SPEAG	TX60L	N/A	N/A	F14/5VR2A1/A/01
☒	750MHz SAR Dipole	SPEAG	D750V3	2026-03-16	2027-03-16	1049
☒	835MHz SAR Dipole	SPEAG	D835V2	2026-02-17	2027-02-17	4d159
☒	1 800MHz SAR Dipole	SPEAG	D1800V2	2025-11-12	2026-11-12	2d202
☒	1 900MHz SAR Dipole	SPEAG	D1900V2	2026-02-17	2027-02-17	5d176
☒	2 600MHz SAR Dipole	SPEAG	D2600V2	2025-08-14	2026-08-14	1103
☒	3 500MHz SAR Dipole	SPEAG	D3500V2	2025-09-15	2026-09-15	1018
☒	3 700MHz SAR Dipole	SPEAG	D3700V2	2025-09-15	2026-09-15	1023
☒	3 900MHz SAR Dipole	SPEAG	D3900V2	2026-01-21	2027-01-21	1037
☒	Signal Generator	Agilent	E4438C	2026-05-15	2027-05-15	US41461520
☒	Broadband Amplifier	SUNGSAN	SA1077	2025-11-20	2026-11-20	SA1077-001
☒	Amplifier	EMPOWER	BBS3Q7ELU	2026-05-15	2027-05-15	1020
☒	High Power RF Amplifier	EMPOWER	BBS3Q8CCJ	2026-05-15	2027-05-15	1005
☒	Power Meter	HP	EPM-442A	2025-11-18	2026-11-18	GB37170267
☒	Power Meter	Anritsu	ML2488B	2025-11-25	2026-11-25	0846003
☒	Power Sensor	Anritsu	MA2472D	2025-11-18	2026-11-18	0845419
☒	Power Sensor	HP	8481A	2025-11-18	2026-11-18	2702A65976
☒	Power Sensor	HP	8481A	2025-11-18	2026-11-18	2702A61707
☒	Dual Directional Coupler	Agilent	778D-012	2025-11-20	2026-11-20	50228
☒	Directional Coupler	HP	772D	2026-05-15	2027-05-15	2889A01064
☒	Low Pass Filter 1 GHz	Wainwright Instruments	WLK6-1000-1400-9000-60SS	2025-06-24	2026-06-24	165
☒	Low Pass Filter 1.5 GHz	MICROLAB	LA-15N	2026-05-21	2027-05-21	2
☒	Low Pass Filter 3.0 GHz	MICROLAB	LA-30N	2026-05-21	2027-05-21	2
☒	Low Pass Filter 6.0 GHz	MICROLAB	LA-60N	2025-11-20	2026-11-20	03942
☒	Attenuators(10 dB)	WEINSCHEL	23-10-34	2025-11-20	2026-11-20	BP4387
☒	Attenuators	H/P	8494A	2026-05-15	2027-05-15	3308A33341
☒	Attenuators	Saluki	3.5TS2-3dB-26.5G	2026-05-15	2027-05-15	21090703
☒	Dielectric Probe kit	SPEAG	DAKS-12	2025-09-16	2026-09-16	1040
☒	Dielectric Probe kit	SPEAG	R60	2025-09-22	2026-09-22	22323001
☒	Dielectric Probe kit	SPEAG	DAK-3.5	2025-07-07	2026-07-07	1046
☒	Dielectric Probe kit	SPEAG	R140	2025-07-17	2026-07-17	0101213
☒	Radio Communication Analyzer	KEYSIGHT	E7515B	2025-11-21	2026-11-21	MY58300723
☒	Radio Communication Analyzer	Anritsu	MT8000A	2025-11-17	2026-11-17	6262070944
☒	Radio Communication Analyzer	Anritsu	MT8821C	2025-11-17	2026-11-17	6262044748

NOTE(S):

1. The E-field probe was calibrated by SPEAG, by temperature measurement procedure. Dipole Verification measurement is performed by Dt&C before each test. The brain and muscle simulating material are calibrated by Dt&C using the dielectric probe system and network analyzer to determine the conductivity and permittivity (dielectric constant) of the brain and muscle-equivalent material. Each equipment item was used solely within its respective calibration period.

2. CBT(Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

14. MEASUREMENT UNCERTAINTIES

13 ~ 600 MHz

Error Description	Uncertainty value %	Probability Distribution	Divisor	(Ci) 1 g	(Ci) 10 g	Standard 1 g (%)	Standard 10 g (%)	Ci x U_i 1 g	Ci x U_i 10 g	vi 2 or Veff
Measurement System										
Probe calibration	13.3	Normal	2	1	1	6.65	6.65	6.65	6.65	∞
Probe Calibration Drift	1.7	Rectangular	$\sqrt{3}$	1	1	1.0	1.0	1.0	1.0	∞
Probe Linearity	4.7	Rectangular	$\sqrt{3}$	1	1	2.7	2.7	2.7	2.7	∞
Broadband Signal	0.6	Rectangular	$\sqrt{3}$	1	1	0.3	0.3	0.3	0.3	∞
Probe Isotropy	7.6	Rectangular	$\sqrt{3}$	1	1	4.4	4.4	4.4	4.4	∞
Data acquisition	0.8	Normal	1	1	1	0.8	0.8	0.8	0.8	∞
RF Ambient Conditions	1.8	Normal	1	1	1	1.8	1.8	1.8	1.8	∞
Probe Positioning	3.9	Normal	1	0.04	0.04	3.9	3.9	0.2	0.2	∞
Data Processing	1.2	Normal	1	1	1	1.2	1.2	1.2	1.2	∞
Phantom and Device										
Liquid conductivity (Target)	5.0	Rectangular	$\sqrt{3}$	0.64	0.43	2.89	2.89	1.85	1.24	∞
Liquid conductivity (Meas.)	3.2	Normal	1	0.78	0.71	3.20	3.20	2.50	2.27	10
Liquid permittivity (Target)	5.0	Rectangular	$\sqrt{3}$	0.60	0.49	2.89	2.89	1.73	1.41	∞
Liquid permittivity (Meas.)	3.3	Normal	1	0.23	0.26	3.30	3.30	0.76	0.86	10
Temp. unc. - Conductivity	2.0	Rectangular	$\sqrt{3}$	0.78	0.71	1.15	1.15	0.90	0.82	∞
Temp. unc. - Permittivity	2.0	Rectangular	$\sqrt{3}$	0.23	0.26	1.15	1.15	0.27	0.30	∞
Phantom Shell Permittivity	14.0	Rectangular	$\sqrt{3}$	0	0	8.1	8.1	0.0	0.0	∞
Distance DUT-TSL	2.0	Normal	1	2	2	2.0	2.0	4.0	4.0	∞
Device Positioning	2.3	Normal	1	1	1	2.3	2.3	2.3	2.3	10
Device Holder	2.1	Normal	1	1	1	2.1	2.1	2.1	2.1	10
DUT Modulation	2.4	Rectangular	$\sqrt{3}$	1	1	1.4	1.4	1.4	1.4	∞
Time-average SAR	1.7	Rectangular	$\sqrt{3}$	1	1	1.0	1.0	1.0	1.0	∞
DUT drift	2.5	Normal	1	1	1	2.5	2.5	2.5	2.5	∞
Validation Antenna	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Uncertainty in Accepted Power	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Correction to the SAR results										
Deviation to target	1.9	Normal	1	1	0.84	1.9	1.9	1.9	1.6	∞
SAR Scaling	0.0	Rectangular	$\sqrt{3}$	1	1	0.0	0.0	0.0	0.0	∞
Combined Standard Uncertainty						11	11			622
Expanded Uncertainty (k=2)						22	22			

$$U(1\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 11\%$$

$$= 22\% \text{ (The confidence level is about } 95\% \text{ } k=2)$$

$$U(10\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 11\%$$

$$= 22\% \text{ (The confidence level is about } 95\% \text{ } k=2)$$

750 ~ 2 600 MHz

Error Description	Uncertainty value %	Probability Distribution	Divisor	(Ci) 1 g	(Ci) 10 g	Standard 1 g (%)	Standard 10 g (%)	Ci x U _i 1 g	Ci x U _i 10 g	vi 2 or Veff
Measurement System										
Probe calibration	11.0	Normal	2	1	1	5.50	5.50	5.50	5.50	∞
Probe Calibration Drift	1.7	Rectangular	√3	1	1	1.0	1.0	1.0	1.0	∞
Probe Linearity	4.7	Rectangular	√3	1	1	2.7	2.7	2.7	2.7	∞
Broadband Signal	2.8	Rectangular	√3	1	1	1.6	1.6	1.6	1.6	∞
Probe Isotropy	7.6	Rectangular	√3	1	1	4.4	4.4	4.4	4.4	∞
Data acquisition	0.8	Normal	1	1	1	0.8	0.8	0.8	0.8	∞
RF Ambient Conditions	1.8	Normal	1	1	1	1.8	1.8	1.8	1.8	∞
Probe Positioning	3.9	Normal	1	0.14	0.14	3.9	3.9	0.5	0.5	∞
Data Processing	1.2	Normal	1	1	1	1.2	1.2	1.2	1.2	∞
Phantom and Device										
Liquid conductivity (Target)	5.0	Rectangular	√3	0.64	0.43	2.89	2.89	1.85	1.24	∞
Liquid conductivity (Meas.)	3.2	Normal	1	0.78	0.71	3.20	3.20	2.50	2.27	10
Liquid permittivity (Target)	5.0	Rectangular	√3	0.60	0.49	2.89	2.89	1.73	1.41	∞
Liquid permittivity (Meas.)	3.3	Normal	1	0.23	0.26	3.30	3.30	0.76	0.86	10
Temp. unc. - Conductivity	2.0	Rectangular	√3	0.78	0.71	1.15	1.15	0.90	0.82	∞
Temp. unc. - Permittivity	2.0	Rectangular	√3	0.23	0.26	1.15	1.15	0.27	0.30	∞
Phantom Shell Permittivity	14.0	Rectangular	√3	0	0	8.1	8.1	0.0	0.0	∞
Distance DUT-TSL	2.0	Normal	1	2	2	2.0	2.0	4.0	4.0	∞
Device Positioning	2.3	Normal	1	1	1	2.3	2.3	2.3	2.3	10
Device Holder	2.2	Normal	1	1	1	2.2	2.2	2.2	2.2	10
DUT Modulation	2.4	Rectangular	√3	1	1	1.4	1.4	1.4	1.4	∞
Time-average SAR	1.7	Rectangular	√3	1	1	1.0	1.0	1.0	1.0	∞
DUT drift	2.5	Normal	1	1	1	2.5	2.5	2.5	2.5	∞
Validation Antenna	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Uncertainty in Accepted Power	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Correction to the SAR results										
Deviation to target	1.9	Normal	1	1	0.84	1.9	1.9	1.9	1.6	∞
SAR Scaling	0.0	Rectangular	√3	1	1	0.0	0.0	0.0	0.0	∞
Combined Standard Uncertainty						11	11			516
Expanded Uncertainty (k=2)						22	22			

$$U(1\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 11\%$$

= 22 % (The confidence level is about 95 % k = 2)

$$U(10\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 11\%$$

= 22 % (The confidence level is about 95 % k = 2)

3 000 ~ 6 000 MHz

Error Description	Uncertainty value %	Probability Distribution	Divisor	(Ci) 1 g	(Ci) 10 g	Standard 1 g (%)	Standard 10 g (%)	Ci x U _i 1 g	Ci x U _i 10 g	vi 2 or Veff
Measurement System										
Probe calibration	13.1	Normal	2	1	1	6.55	6.55	6.55	6.55	∞
Probe Calibration Drift	1.7	Rectangular	√3	1	1	1.0	1.0	1.0	1.0	∞
Probe Linearity	4.7	Rectangular	√3	1	1	2.7	2.7	2.7	2.7	∞
Broadband Signal	2.6	Rectangular	√3	1	1	1.5	1.5	1.5	1.5	∞
Probe Isotropy	7.6	Rectangular	√3	1	1	4.4	4.4	4.4	4.4	∞
Data acquisition	1.2	Normal	1	1	1	1.2	1.2	1.2	1.2	∞
RF Ambient Conditions	1.8	Normal	1	1	1	1.8	1.8	1.8	1.8	∞
Probe Positioning	3.9	Normal	1	0.29	0.29	3.9	3.9	1.1	1.1	∞
Data Processing	2.3	Normal	1	1	1	2.3	2.3	2.3	2.3	∞
Phantom and Device										
Liquid conductivity (Target)	5.0	Rectangular	√3	0.64	0.43	2.89	2.89	1.85	1.24	∞
Liquid conductivity (Meas.)	3.2	Normal	1	0.78	0.71	3.20	3.20	2.50	2.27	10
Liquid permittivity (Target)	5.0	Rectangular	√3	0.60	0.49	2.89	2.89	1.73	1.41	∞
Liquid permittivity (Meas.)	3.1	Normal	1	0.23	0.26	3.10	3.10	0.71	0.81	10
Temp. unc. - Conductivity	2.0	Rectangular	√3	0.78	0.71	1.15	1.15	0.90	0.82	∞
Temp. unc. - Permittivity	2.0	Rectangular	√3	0.23	0.26	1.15	1.15	0.27	0.30	∞
Phantom Shell Permittivity	14.0	Rectangular	√3	0.25	0.25	8.1	8.1	2.0	2.0	∞
Distance DUT-TSL	2.0	Normal	1	2	2	2.0	2.0	4.0	4.0	∞
Device Positioning	2.3	Normal	1	1	1	2.3	2.3	2.3	2.3	10
Device Holder	2.4	Normal	1	1	1	2.4	2.4	2.4	2.4	10
DUT Modulation	2.4	Rectangular	√3	1	1	1.4	1.4	1.4	1.4	∞
Time-average SAR	1.7	Rectangular	√3	1	1	1.0	1.0	1.0	1.0	∞
DUT drift	2.5	Normal	1	1	1	2.5	2.5	2.5	2.5	∞
Validation Antenna	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Uncertainty in Accepted Power	0.0	Normal	1	1	1	0.0	0.0	0.0	0.0	∞
Correction to the SAR results										
Deviation to target	1.9	Normal	1	1	0.84	1.9	1.9	1.9	1.6	∞
SAR Scaling	0.0	Rectangular	√3	1	1	0.0	0.0	0.0	0.0	∞
Combined Standard Uncertainty						12	12			779
Expanded Uncertainty (k=2)						24	24			

$$U(1\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 12\%$$

= 24 % (The confidence level is about 95 % k = 2)

$$U(10\text{ g}) = k \cdot u_c$$

$$= 2 \cdot 12\%$$

= 24 % (The confidence level is about 95 % k = 2)

15. CONCLUSION

Measurement Conclusion

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the FCC. These measurements are taken to simulate the RF effects exposure under the worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The tested device complies with the requirements in respect to all parameters subject to the test. The test results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are every complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role impossible biological effect are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease).

Because innumerable factors may interact to determine the specific biological outcome of an exposure to electromagnetic fields, any protection guide shall consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.

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APPENDIX A. – Probe Calibration Data

**Calibration Laboratory of
Schmid & Partner
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

Dt&C

Gyeonggi-do, Republic of Korea

Certificate No.

EX-7898_Nov25**CALIBRATION CERTIFICATE**

Object EX3DV4 - SN:7898

Calibration procedure(s) QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,
QA CAL-25.v8, QA CAL-48.v2
Calibration procedure for dosimetric E-field probes

Calibration date November 21, 2025

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-33T	SN: 100967	29-Oct-25 (No. Part of L1407)	Oct-26
N-type mismatch combination	SN: L1119	26-Mar-25 (No. 217-04292)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1249	16-Sept-25 (No. OCP-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4	SN: 1301	30-Oct-25 (No. DAE4-1301_Oct25)	Oct-26

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	01-Oct-25 (No. IHCK_ACAP2020-1_Oct25)	Oct-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)	Dec-25

Calibrated by	Name Krešimir Franjić	Function Laboratory Technician	Signature
Approved by	Name Sven Kühn	Function Technical Manager	
Issued: November 21, 2025			
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Certificate No: EX-7898_Nov25

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Calibration Laboratory ofSchmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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S Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Glossary

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865864, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

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Parameters of Probe: EX3DV4 - SN:7898**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.63	0.62	0.62	±10.1%
DCP (mV) ^B	102.0	106.9	105.9	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	Continuous Wave	X	0.00	0.00	1.00	0.00	141.8	±2.3%	±4.7%
		Y	0.00	0.00	1.00		146.2		
		Z	0.00	0.00	1.00		144.5		
10352	Pulse (D=10%, T=5 ms)	X	0.40	69.21	18.40	10.00	23.0	±1.9%	±9.6%
		Y	0.71	70.00	18.08		23.0		
		Z	0.50	67.96	17.57		23.0		
10353	Pulse (D=20%, T=5 ms)	X	0.38	72.22	18.45	6.99	47.0	±1.5%	±9.6%
		Y	0.67	73.01	18.12		46.0		
		Z	0.47	70.97	17.62		47.0		
10354	Pulse (D=40%, T=5 ms)	X	0.35	75.23	18.50	3.98	93.0	±1.3%	±9.6%
		Y	0.63	76.02	18.17		93.0		
		Z	0.43	73.98	17.68		93.0		
10355	Pulse (D=60%, T=5 ms)	X	0.34	76.99	18.53	2.22	140.0	±1.2%	±9.6%
		Y	0.61	77.78	18.20		139.0		
		Z	0.41	75.74	17.71		140.0		
10387	Random (BW=1 MHz, MOD=QPSK)	X	0.00	74.11	19.75	0.11	110.0	±1.6%	±9.6%
		Y	0.01	74.90	19.55		109.0		
		Z	0.02	84.34	18.82		110.0		
10388	Random (BW=10 MHz, MOD=QPSK)	X	1.74	73.99	17.03	0.00	116.0	±2.4%	±9.6%
		Y	1.79	74.78	17.45		116.0		
		Z	1.55	72.74	16.66		117.0		
10396	Random (BW=100 kHz, MOD=64QAM)	X	0.02	72.93	21.74	1.85	81.0	±5.4%	±9.6%
		Y	0.08	73.73	21.04		80.0		
		Z	0.02	71.69	20.47		81.0		
10399	Random (BW=40 MHz, MOD=64QAM)	X	3.88	72.93	16.88	0.00	108.0	±3.5%	±9.6%
		Y	3.98	73.73	17.35		108.0		
		Z	3.41	71.69	16.49		109.0		
10414	Random (BW=40 MHz, HIGH PAR)	X	4.80	70.67	16.88	0.00	80.0	±1.7%	±9.6%
		Y	4.77	71.46	17.35		79.0		
		Z	4.21	69.42	16.49		80.0		

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^B Linearization parameter uncertainty for maximum specified field strength.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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Parameters of Probe: EX3DV4 - SN:7898**Sensor Model Parameters**

	C1 fF	C2 fF	α V^{-1}	T1 $ms V^{-2}$	T2 $ms V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	11.8	87.85	35.44	2.00	0.00	4.90	0.00	0.00	1.01
y	10.8	78.30	33.73	3.45	0.00	4.90	0.41	0.00	1.00
z	11.1	80.67	33.97	2.34	0.00	4.90	0.35	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-19.7°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	12 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3–4 mm for an *Area Scan* job.

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Parameters of Probe: EX3DV4 - SN:7898**Calibration Parameter Determined in HSL**

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	9.79	9.15	8.90	0.36	1.27	±11.0%
835	41.5	0.90	9.49	8.86	8.62	0.36	1.27	±11.0%
900	41.5	0.97	9.35	8.74	8.50	0.36	1.27	±11.0%
1640	40.2	1.31	8.21	7.67	7.47	0.35	1.27	±11.0%
1750	40.1	1.37	8.12	7.59	7.39	0.35	1.27	±11.0%
1900	40.0	1.40	7.83	7.31	7.12	0.35	1.27	±11.0%
2450	39.2	1.80	7.23	6.76	6.57	0.34	1.27	±11.0%
2600	39.0	1.96	7.08	6.62	6.44	0.34	1.27	±11.0%
3300	38.2	2.71	6.82	6.37	6.20	0.34	1.27	±13.1%
3500	37.9	2.91	6.74	6.29	6.12	0.33	1.27	±13.1%
3700	37.7	3.12	6.68	6.25	6.08	0.33	1.27	±13.1%
5200	36.0	4.66	5.73	5.36	5.21	0.30	1.27	±13.1%
5300	35.9	4.76	5.58	5.22	5.06	0.29	1.27	±13.1%
5500	35.6	4.96	5.23	4.89	4.76	0.28	1.27	±13.1%
5600	35.5	5.07	5.27	4.92	4.79	0.27	1.27	±13.1%
5800	35.3	5.27	5.17	4.84	4.70	0.25	1.27	±13.1%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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Parameters of Probe: EX3DV4 - SN:7898**Calibration Parameter Determined in HSL**

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	5.61	5.24	5.10	0.20	1.27	±18.6%
7000	33.9	6.65	5.81	5.42	5.28	0.20	1.27	±18.6%

^C Frequency validity is -600/+700 MHz at 6.5 GHz, ±700 MHz at or above 7 GHz, and ±150 MHz at 9.85 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

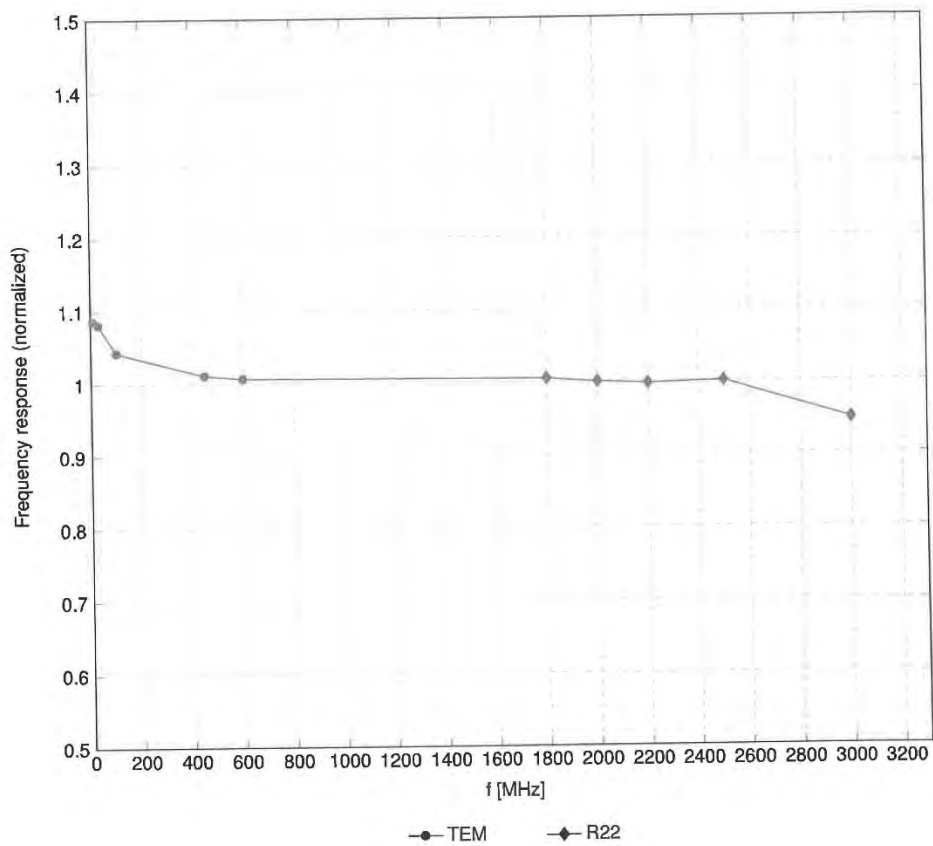
^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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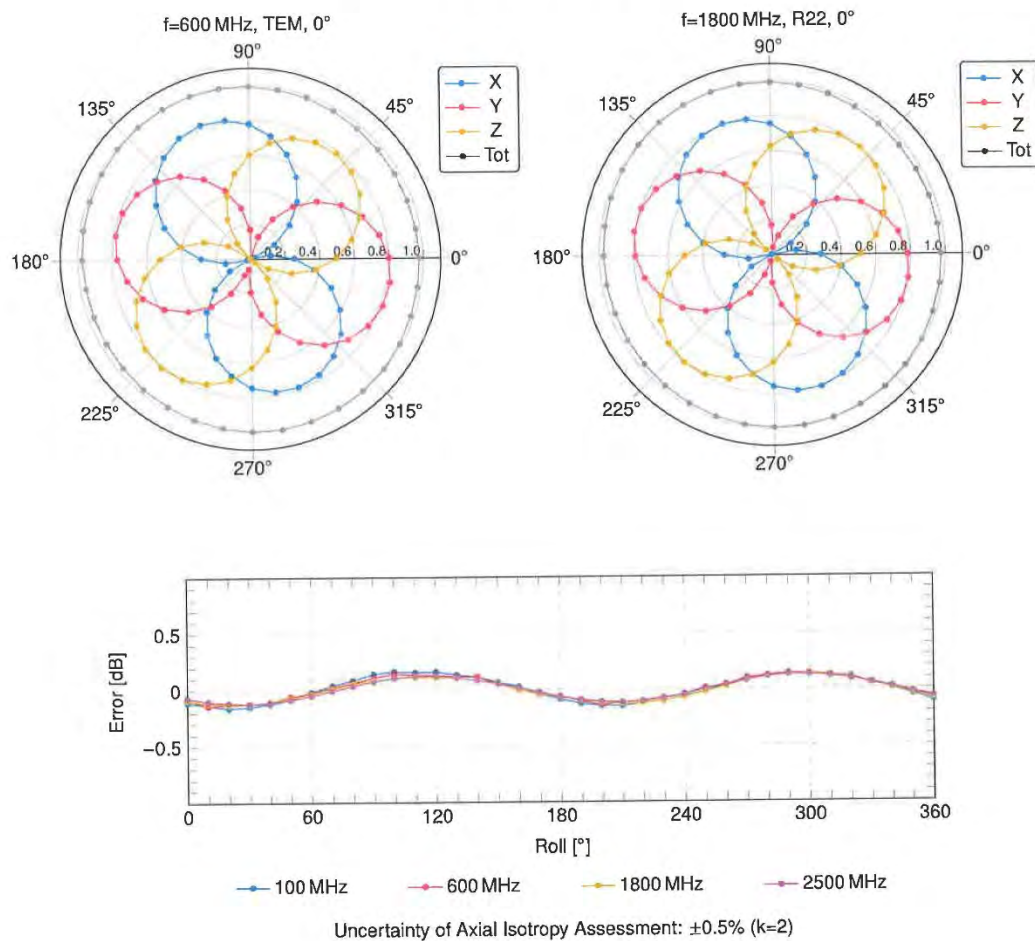
Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide:R22)

Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

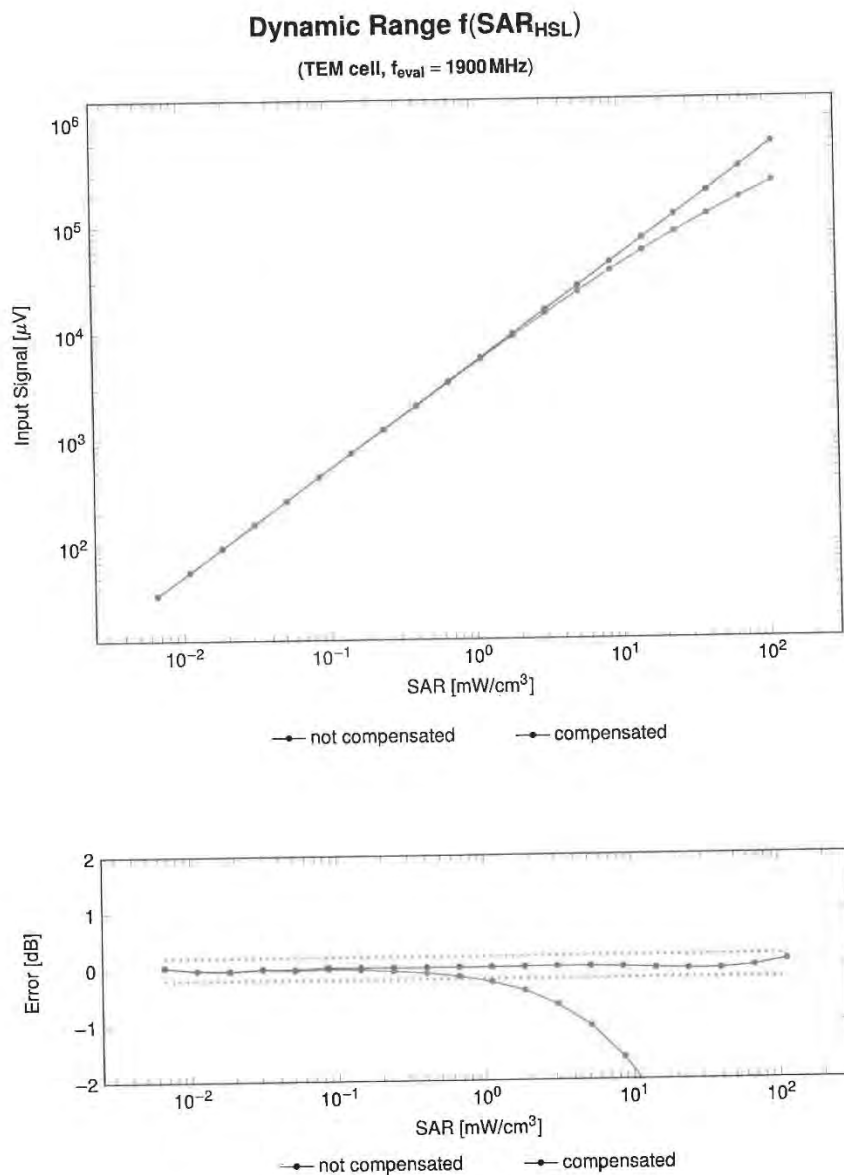
EX3DV4 - SN:7898

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Receiving Pattern (ϕ), $\theta = 0^\circ$ 

EX3DV4 - SN:7898

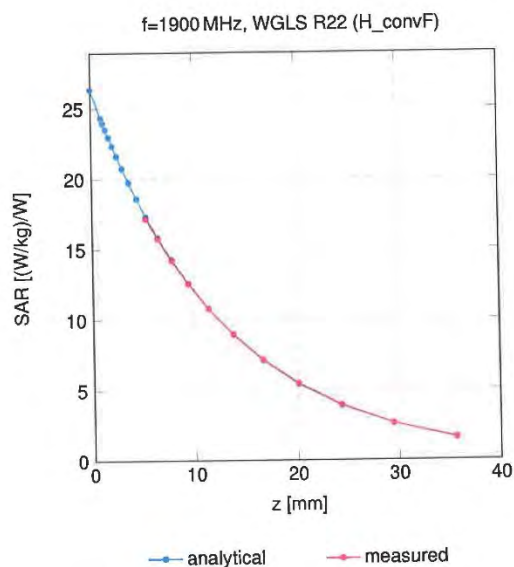
November 21, 2025

Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

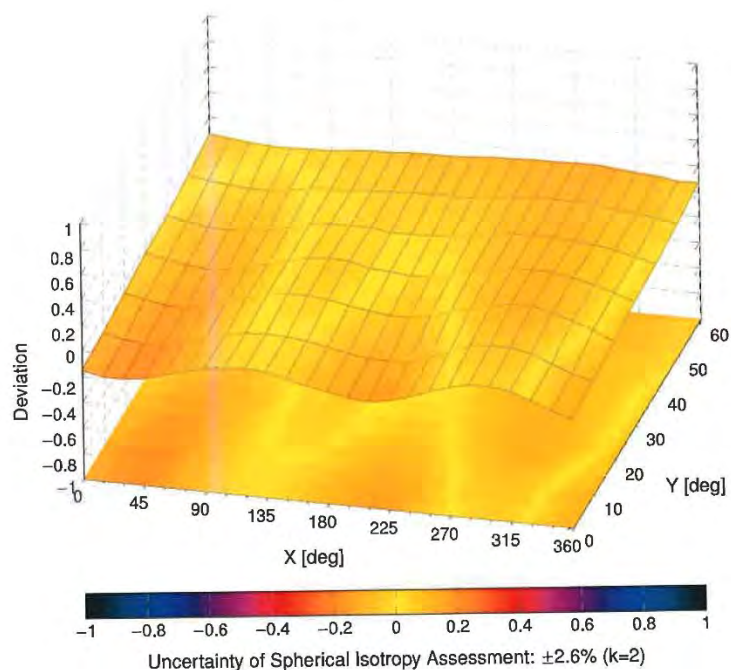
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November 21, 2025

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), f = 900 MHz

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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		Continuous Wave	CW	0.00	±4.7
10010	CAB	Pulse (D=10%, T=100 ms)	Test	10.00	±9.6
10011	CAC	Rel. 99, RMC, QPSK, 5.0 MHz	WCDMA	2.91	±9.6
10012	CAB	DSSS, DBPSK, 1.0 Mbps, 92.5% DC	WLAN	1.87	±9.6
10013	CAB	OFDM, BPSK, 5.0 Mbps, 72.1% DC	WLAN	9.45	±9.6
10021	DAC	Voice, GMSK, 1 slot(s)	GSM	9.39	±9.6
10023	DAC	Data, GMSK, 1 slot(s)	GSM	9.57	±9.6
10024	DAC	Data, GMSK, 2 slot(s)	GSM	6.56	±9.6
10025	DAC	Data, 8PSK, 1 slot(s)	GSM	12.62	±9.6
10026	DAC	Data, 8PSK, 2 slot(s)	GSM	9.55	±9.6
10027	DAC	Data, GMSK, 3 slot(s)	GSM	4.80	±9.6
10028	DAC	Data, GMSK, 4 slot(s)	GSM	3.55	±9.6
10029	DAC	Data, 8PSK, 3 slot(s)	GSM	7.78	±9.6
10030	CAA	BR, DH1, GFSK	Bluetooth	5.30	±9.6
10031	CAA	BR, DH3, GFSK	Bluetooth	1.87	±9.6
10032	CAA	BR, DH5, GFSK	Bluetooth	1.16	±9.6
10033	CAA	EDR, DH1, pi/4-DQPSK	Bluetooth	7.74	±9.6
10034	CAA	EDR, DH3, pi/4-DQPSK	Bluetooth	4.53	±9.6
10035	CAA	EDR, DH5, pi/4-DQPSK	Bluetooth	3.83	±9.6
10036	CAA	EDR, DH1, 8-DPSK	Bluetooth	8.01	±9.6
10037	CAA	EDR, DH3, 8-DPSK	Bluetooth	4.77	±9.6
10038	CAA	EDR, DH5, 8-DPSK	Bluetooth	4.10	±9.6
10039	CAB	RC1, 1xRTT	CDMA2000	4.57	±9.6
10048	CAA	Full Slot, GFSK, 1 slot(s)	DECT	13.80	±9.6
10049	CAA	Double Slot, GFSK, 2 slot(s)	DECT	10.79	±9.6
10056	CAA	TD-SCDMA, QPSK, 1.6 MHz	TD-SCDMA	11.01	±9.6
10058	DAC	Data, 8PSK, 4 slot(s)	GSM	6.52	±9.6
10059	CAB	DSSS, DQPSK, 2.0 Mbps, 87.4% DC	WLAN	2.12	±9.6
10060	CAB	HR-DSSS, DQPSK, 5.5 Mbps, 72.7% DC	WLAN	2.83	±9.6
10061	CAB	HR-DSSS, DQPSK, 11.0 Mbps, 57.5% DC	WLAN	3.60	±9.6
10062	CAE	OFDM, BPSK, 6.0 Mbps, 89.1% DC	WLAN	8.88	±9.6
10063	CAE	OFDM, BPSK, 9.0 Mbps, 85.3% DC	WLAN	8.63	±9.6
10064	CAE	OFDM, QPSK, 12.0 Mbps, 82.0% DC	WLAN	9.09	±9.6
10065	CAE	OFDM, QPSK, 18.0 Mbps, 76.0% DC	WLAN	9.00	±9.6
10066	CAE	OFDM, 16QAM, 24.0 Mbps, 70.6% DC	WLAN	9.38	±9.6
10067	CAE	OFDM, 16QAM, 36.0 Mbps, 62.5% DC	WLAN	10.12	±9.6
10068	CAE	OFDM, 64QAM, 48.0 Mbps, 56.6% DC	WLAN	10.24	±9.6
10069	CAE	OFDM, 64QAM, 54.0 Mbps, 54.4% DC	WLAN	10.56	±9.6
10071	CAB	OFDM, BPSK, 9.0 Mbps, 65.1% DC	WLAN	9.83	±9.6
10072	CAB	OFDM, QPSK, 12.0 Mbps, 60.1% DC	WLAN	9.62	±9.6
10073	CAB	OFDM, QPSK, 18.0 Mbps, 53.1% DC	WLAN	9.94	±9.6
10074	CAB	OFDM, 16QAM, 24.0 Mbps, 48.5% DC	WLAN	10.30	±9.6
10075	CAB	OFDM, 16QAM, 36.0 Mbps, 42.9% DC	WLAN	10.77	±9.6
10076	CAB	OFDM, 64QAM, 48.0 Mbps, 39.5% DC	WLAN	10.94	±9.6
10077	CAB	OFDM, 64QAM, 54.0 Mbps, 38.5% DC	WLAN	11.00	±9.6
10081	CAB	RC3, 1xRTT	CDMA2000	3.97	±9.6
10097	CAC	Rel. 5 HSDPA, QPSK, 5.0 MHz	WCDMA	3.98	±9.6
10098	CAC	Rel. 6 HSUPA, Subset 2, QPSK, 5.0 MHz	WCDMA	3.98	±9.6
10100	CAF	20.0 MHz, QPSK, 100% RB	LTE-FDD	5.67	±9.6
10101	CAF	20.0 MHz, 16QAM, 100% RB	LTE-FDD	6.42	±9.6
10102	CAF	20.0 MHz, 64QAM, 100% RB	LTE-FDD	6.60	±9.6
10103	CAH	20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.29	±9.6
10104	CAH	20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.97	±9.6
10105	CAH	20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.01	±9.6
10108	CAH	10.0 MHz, QPSK, 100% RB	LTE-FDD	5.80	±9.6
10109	CAH	10.0 MHz, 16QAM, 100% RB	LTE-FDD	6.43	±9.6
10110	CAH	5.0 MHz, QPSK, 100% RB	LTE-FDD	5.75	±9.6
10111	CAH	5.0 MHz, 16QAM, 100% RB	LTE-FDD	6.44	±9.6
10112	CAH	10.0 MHz, 64QAM, 100% RB	LTE-FDD	6.59	±9.6
10113	CAH	5.0 MHz, 64QAM, 100% RB	LTE-FDD	6.62	±9.6
10114	CAE	HT40 Greenfield, MCS0 (13.5 Mbps), 99.7% DC	WLAN	8.10	±9.6
10115	CAE	HT40 Greenfield, MCS4 (81.0 Mbps), 99.7% DC	WLAN	8.46	±9.6
10116	CAE	HT40 Greenfield, MCS7 (135.0 Mbps), 99.7% DC	WLAN	8.15	±9.6

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10117	CAE	HT40 Mixed, MCS0 (13.5 Mbps), 99.7% DC	WLAN	8.07	±9.6
10118	CAE	HT40 Mixed, MCS4 (81.0 Mbps), 99.7% DC	WLAN	8.59	±9.6
10119	CAE	HT40 Mixed, MCS7 (135.0 Mbps), 99.7% DC	WLAN	8.13	±9.6
10140	CAF	15.0 MHz, 16QAM, 100% RB	LTE-FDD	6.49	±9.6
10141	CAF	15.0 MHz, 64QAM, 100% RB	LTE-FDD	6.53	±9.6
10142	CAF	3.0 MHz, QPSK, 100% RB	LTE-FDD	5.73	±9.6
10143	CAF	3.0 MHz, 16QAM, 100% RB	LTE-FDD	6.35	±9.6
10144	CAF	3.0 MHz, 64QAM, 100% RB	LTE-FDD	6.65	±9.6
10145	CAG	1.4 MHz, QPSK, 100% RB	LTE-FDD	5.76	±9.6
10146	CAG	1.4 MHz, 16QAM, 100% RB	LTE-FDD	6.41	±9.6
10147	CAG	1.4 MHz, 64QAM, 100% RB	LTE-FDD	6.72	±9.6
10149	CAF	20.0 MHz, 16QAM, 50% RB	LTE-FDD	6.42	±9.6
10150	CAF	20.0 MHz, 64QAM, 50% RB	LTE-FDD	6.60	±9.6
10151	CAH	20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.28	±9.6
10152	CAH	20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.92	±9.6
10153	CAH	20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.05	±9.6
10154	CAH	10.0 MHz, QPSK, 50% RB	LTE-FDD	5.75	±9.6
10155	CAH	10.0 MHz, 16QAM, 50% RB	LTE-FDD	6.43	±9.6
10156	CAH	5.0 MHz, QPSK, 50% RB	LTE-FDD	5.79	±9.6
10157	CAH	5.0 MHz, 16QAM, 50% RB	LTE-FDD	6.49	±9.6
10158	CAH	10.0 MHz, 64QAM, 50% RB	LTE-FDD	6.62	±9.6
10159	CAH	5.0 MHz, 64QAM, 50% RB	LTE-FDD	6.56	±9.6
10160	CAF	15.0 MHz, QPSK, 50% RB	LTE-FDD	5.82	±9.6
10161	CAF	15.0 MHz, 16QAM, 50% RB	LTE-FDD	6.43	±9.6
10162	CAF	15.0 MHz, 64QAM, 50% RB	LTE-FDD	6.58	±9.6
10166	CAG	1.4 MHz, QPSK, 50% RB	LTE-FDD	5.46	±9.6
10167	CAG	1.4 MHz, 16QAM, 50% RB	LTE-FDD	6.21	±9.6
10168	CAG	1.4 MHz, 64QAM, 50% RB	LTE-FDD	6.79	±9.6
10169	CAF	20.0 MHz, QPSK, 1 RB	LTE-FDD	5.73	±9.6
10170	CAF	20.0 MHz, 16QAM, 1 RB	LTE-FDD	6.52	±9.6
10171	AAF	20.0 MHz, 64QAM, 1 RB	LTE-FDD	6.49	±9.6
10172	CAH	20.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±9.6
10173	CAH	20.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.46	±9.6
10174	CAH	20.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±9.6
10175	CAH	10.0 MHz, QPSK, 1 RB	LTE-FDD	5.72	±9.6
10176	CAH	10.0 MHz, 16QAM, 1 RB	LTE-FDD	6.52	±9.6
10177	CAJ	5.0 MHz, QPSK, 1 RB	LTE-FDD	5.73	±9.6
10178	CAH	5.0 MHz, 16QAM, 1 RB	LTE-FDD	6.52	±9.6
10179	CAH	10.0 MHz, 64QAM, 1 RB	LTE-FDD	6.50	±9.6
10180	CAH	5.0 MHz, 64QAM, 1 RB	LTE-FDD	6.50	±9.6
10181	CAF	15.0 MHz, QPSK, 1 RB	LTE-FDD	5.72	±9.6
10182	CAF	15.0 MHz, 16QAM, 1 RB	LTE-FDD	6.52	±9.6
10183	AAE	15.0 MHz, 64QAM, 1 RB	LTE-FDD	6.50	±9.6
10184	CAF	3.0 MHz, QPSK, 1 RB	LTE-FDD	5.73	±9.6
10185	CAF	3.0 MHz, 16QAM, 1 RB	LTE-FDD	6.51	±9.6
10186	AAF	3.0 MHz, 64QAM, 1 RB	LTE-FDD	6.50	±9.6
10187	CAG	1.4 MHz, QPSK, 1 RB	LTE-FDD	5.73	±9.6
10188	CAG	1.4 MHz, 16QAM, 1 RB	LTE-FDD	6.52	±9.6
10189	AAG	1.4 MHz, 64QAM, 1 RB	LTE-FDD	6.50	±9.6
10193	CAE	HT20 Greenfield, MCS0 (6.5 Mbps), 99.4% DC	WLAN	8.09	±9.6
10194	CAE	HT20 Greenfield, MCS4 (39.0 Mbps), 99.5% DC	WLAN	8.12	±9.6
10195	CAE	HT20 Greenfield, MCS7 (65.0 Mbps), 99.5% DC	WLAN	8.21	±9.6
10196	CAE	HT20 Mixed, MCS0 (6.5 Mbps), 99.4% DC	WLAN	8.10	±9.6
10197	CAE	HT20 Mixed, MCS4 (39.0 Mbps), 99.5% DC	WLAN	8.13	±9.6
10198	CAE	HT20 Mixed, MCS7 (65.0 Mbps), 99.5% DC	WLAN	8.27	±9.6
10219	CAE	HT20 Mixed, MCS0 (7.2 Mbps), 99.3% DC	WLAN	8.03	±9.6
10220	CAE	HT20 Mixed, MCS4 (43.3 Mbps), 99.4% DC	WLAN	8.13	±9.6
10221	CAE	HT20 Mixed, MCS7 (72.2 Mbps), 99.4% DC	WLAN	8.27	±9.6
10222	CAE	HT40 Mixed, MCS0 (15.0 Mbps), 99.7% DC	WLAN	8.06	±9.6
10223	CAE	HT40 Mixed, MCS4 (90.0 Mbps), 99.7% DC	WLAN	8.48	±9.6
10224	CAE	HT40 Mixed, MCS7 (150.0 Mbps), 99.7% DC	WLAN	8.08	±9.6
10225	CAC	Rel. 7 HSPA+, 16QAM, 5.0 MHz	WCDMA	5.97	±9.6
10226	CAC	1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.49	±9.6
10227	CAC	1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.26	±9.6
10228	CAC	1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.22	±9.6
10229	CAE	3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±9.6

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10230	CAE	3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±9.6
10231	CAE	3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.19	±9.6
10232	CAH	5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±9.6
10233	CAH	5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±9.6
10234	CAH	5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±9.6
10235	CAH	10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±9.6
10236	CAH	10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±9.6
10237	CAH	10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±9.6
10238	CAG	15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±9.6
10239	CAG	15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±9.6
10240	CAG	15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±9.6
10241	CAC	1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.82	±9.6
10242	CAC	1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.86	±9.6
10243	CAC	1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.46	±9.6
10244	CAE	3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.06	±9.6
10245	CAE	3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.06	±9.6
10246	CAE	3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.30	±9.6
10247	CAH	5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.91	±9.6
10248	CAH	5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.09	±9.6
10249	CAH	5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.29	±9.6
10250	CAH	10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.81	±9.6
10251	CAH	10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.17	±9.6
10252	CAH	10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.24	±9.6
10253	CAG	15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.90	±9.6
10254	CAG	15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	10.14	±9.6
10255	CAG	15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 50% RB	LTE-TDD	9.20	±9.6
10256	CAC	1.4 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.96	±9.6
10257	CAC	1.4 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.08	±9.6
10258	CAC	1.4 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.34	±9.6
10259	CAE	3.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.98	±9.6
10260	CAE	3.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.97	±9.6
10261	CAE	3.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.24	±9.6
10262	CAH	5.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.83	±9.6
10263	CAH	5.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.16	±9.6
10264	CAH	5.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.23	±9.6
10265	CAH	10.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.92	±9.6
10266	CAH	10.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.07	±9.6
10267	CAH	10.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.30	±9.6
10268	CAG	15.0 MHz, 16QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.06	±9.6
10269	CAG	15.0 MHz, 64QAM, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	10.13	±9.6
10270	CAG	15.0 MHz, QPSK, UL/DL CFG: 1, SSC: 4, 100% RB	LTE-TDD	9.58	±9.6
10274	CAC	Rel. 6 HSUPA Subset 2, beta_d 0, QPSK, 5.0 MHz	WCDMA	4.87	±9.6
10275	CAC	Rel. 6 HSUPA Subset 2, beta_d 15, QPSK, 5.0 MHz	WCDMA	3.96	±9.6
10290	AAB	RC1, SO55, Full frame rate, 1xRTT	CDMA2000	3.91	±9.6
10291	AAB	RC3, SO55, Full frame rate, 1xRTT	CDMA2000	3.46	±9.6
10292	AAB	RC3, SO32, Full frame rate, SCH0 disabled, 1xRTT	CDMA2000	3.39	±9.6
10293	AAB	RC3, SO3, Full frame rate, 1xRTT	CDMA2000	3.50	±9.6
10295	AAB	RC3, SO3, 1/8 frame rate, 1xRTT	CDMA2000	12.49	±9.6
10297	AAE	20.0 MHz, QPSK, 50% RB	LTE-FDD	5.81	±9.6
10298	AAE	3.0 MHz, QPSK, 50% RB	LTE-FDD	5.72	±9.6
10299	AAE	3.0 MHz, 16QAM, 50% RB	LTE-FDD	6.39	±9.6
10300	AAE	3.0 MHz, 64QAM, 50% RB	LTE-FDD	6.60	±9.6
10301	AAA	PUSC, 29:18, QPSK, 5.0 ms, 18 TRAF SYM	WIMAX	12.03	±9.6
10302	AAA	PUSC, 29:18, QPSK, 5.0 ms, 15 TRAF SYM	WIMAX	12.57	±9.6
10303	AAA	PUSC, 31:15, 64QAM, 5.0 ms, 15 TRAF SYM	WIMAX	12.52	±9.6
10304	AAA	PUSC, 29:18, 64QAM, 5.0 ms, 18 TRAF SYM	WIMAX	11.86	±9.6
10305	AAA	PUSC, 31:15, 64QAM, 10.0 ms, 15 TRAF SYM	WIMAX	15.24	±9.6
10306	AAA	PUSC, 29:18, 64QAM, 10.0 ms, 18 TRAF SYM	WIMAX	14.67	±9.6
10307	AAA	PUSC, 29:18, QPSK, 10.0 ms, 18 TRAF SYM	WIMAX	14.49	±9.6
10308	AAA	PUSC, 29:18, 16QAM, 10.0 ms, 18 TRAF SYM	WIMAX	14.46	±9.6
10309	AAA	AMC 2x3, 29:18, 16QAM, 10.0 ms, 15 TRAF SYM	WIMAX	14.58	±9.6
10310	AAA	AMC 2x3, 29:18, QPSK, 10.0 ms, 18 TRAF SYM	WIMAX	14.57	±9.6
10311	AAE	15.0 MHz, QPSK, 100% RB	LTE-FDD	6.06	±9.6
10315	AAB	DSSS, DBPSK, 1.0 Mbps, 96.0% DC	WLAN	1.71	±9.6
10316	AAB	OFDM, BPSK, 6.0 Mbps, 95.9% DC	WLAN	8.36	±9.6
10317	AAE	OFDM, BPSK, 6.0 Mbps, 95.9% DC	WLAN	8.36	±9.6

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10352	AAA	Pulse (D=10%, T=5 ms)	Generic	10.00	±9.6
10353	AAA	Pulse (D=20%, T=5 ms)	Generic	6.99	±9.6
10354	AAA	Pulse (D=40%, T=5 ms)	Generic	3.98	±9.6
10355	AAA	Pulse (D=60%, T=5 ms)	Generic	2.22	±9.6
10356	AAA	Pulse (D=80%, T=5 ms)	Generic	0.97	±9.6
10387	AAA	Random (BW=1 MHz, MOD=QPSK)	Generic	5.10	±9.6
10388	AAA	Random (BW=10 MHz, MOD=QPSK)	Generic	5.22	±9.6
10396	AAA	Random (BW=100 kHz, MOD=64QAM)	Generic	6.27	±9.6
10399	AAA	Random (BW=40 MHz, MOD=64QAM)	Generic	6.27	±9.6
10400	AAF	VHT20, MCS5 (52.0 Mbps), 99.0% DC	WLAN	8.37	±9.6
10401	AAF	VHT40, MCS5 (108.0 Mbps), 96.7% DC	WLAN	8.60	±9.6
10402	AAF	VHT80, MCS5 (234.0 Mbps), 99.0% DC	WLAN	8.53	±9.6
10403	AAB	Rev. 0, 1xEV-DO	CDMA2000	3.76	±9.6
10404	AAB	Rev. A, 1xEV-DO	CDMA2000	3.77	±9.6
10406	AAB	RC3, SO32, Full frame rate, SCH0 enabled, 1xRTT	CDMA2000	5.22	±9.6
10410	AAH	10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 4, 1 RB	LTE-TDD	7.82	±9.6
10414	AAA	Random (BW=40 MHz, HIGH PAR)	Generic	8.54	±9.6
10415	AAA	DSSS, DBPSK, 1.0 Mbps, 99.9% DC	WLAN	1.54	±9.6
10416	AAA	OFDM, BPSK, 6.0 Mbps, 99.9% DC	WLAN	8.23	±9.6
10417	AAD	OFDM, BPSK, 6.0 Mbps, 99.9% DC	WLAN	8.23	±9.6
10418	AAA	OFDM (LTF), BPSK, 6.0 Mbps, 99.8% DC	WLAN	8.14	±9.6
10419	AAA	OFDM (STF), BPSK, 6.0 Mbps, 99.8% DC	WLAN	8.19	±9.6
10422	AAD	HT20 Greenfield, MCS0 (7.2 Mbps), 99.3% DC	WLAN	6.32	±9.6
10423	AAD	HT20 Greenfield, MCS4 (43.3 Mbps), 99.3% DC	WLAN	8.47	±9.6
10424	AAD	HT20 Greenfield, MCS7 (72.2 Mbps), 99.3% DC	WLAN	8.40	±9.6
10425	AAD	HT40 Greenfield, MCS0 (15.0 Mbps), 99.2% DC	WLAN	8.41	±9.6
10426	AAD	HT40 Greenfield, MCS4 (90.0 Mbps), 99.2% DC	WLAN	8.45	±9.6
10427	AAD	HT40 Greenfield, MCS7 (150.0 Mbps), 99.2% DC	WLAN	8.41	±9.6
10430	AAE	5.0 MHz, 64-QAM, 100% RB	LTE-FDD	8.28	±9.6
10431	AAE	10.0 MHz, 64-QAM, 100% RB	LTE-FDD	8.38	±9.6
10432	AAD	15.0 MHz, 64-QAM, 100% RB	LTE-FDD	8.34	±9.6
10433	AAD	20.0 MHz, 64-QAM, 100% RB	LTE-FDD	8.34	±9.6
10434	AAB	BS Test Model 1, 64 DPCH, 64QAM, 5.0 MHz (DL)	WCDMA	8.60	±9.6
10435	AAG	20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10447	AAE	5.0 MHz, 64-QAM, 100% RB	LTE-FDD	7.56	±9.6
10448	AAE	10.0 MHz, 64-QAM, 100% RB	LTE-FDD	7.53	±9.6
10449	AAD	15.0 MHz, 64-QAM, 100% RB	LTE-FDD	7.51	±9.6
10450	AAD	20.0 MHz, 64-QAM, 100% RB	LTE-FDD	7.48	±9.6
10451	AAB	BS Test Model 1, 64 DPCH, Clipping 44%, 64QAM, 5.0 MHz (DL)	WCDMA	7.59	±9.6
10456	AAD	VHT160, MCS5 (58.5 Mbps), 99.0% DC	WLAN	8.63	±9.6
10457	AAB	Rel. 5 DC-HSDPA, QPSK, 10.0 MHz	WCDMA	6.62	±9.6
10458	AAA	Rev. B, 2 carriers, 1xEV-DO	CDMA2000	6.55	±9.6
10459	AAA	Rev. B, 3 carriers, 1xEV-DO	CDMA2000	8.25	±9.6
10460	AAB	Rel. 99, AMR, QPSK, 5.0 MHz	WCDMA	2.39	±9.6
10461	AAC	1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10462	AAC	1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.30	±9.6
10463	AAC	1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.56	±9.6
10464	AAD	3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10465	AAD	3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.32	±9.6
10466	AAD	3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.57	±9.6
10467	AAG	5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10468	AAG	5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.32	±9.6
10469	AAG	5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.56	±9.6
10470	AAG	10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10471	AAG	10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.32	±9.6
10472	AAG	10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.57	±9.6
10473	AAF	15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	7.82	±9.6
10474	AAF	15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.32	±9.6
10475	AAF	15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.57	±9.6
10477	AAG	20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.32	±9.6
10478	AAG	20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 1 RB	LTE-TDD	8.57	±9.6
10479	AAC	1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.74	±9.6
10480	AAC	1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.18	±9.6
10481	AAC	1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.45	±9.6
10482	AAD	3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.71	±9.6
10483	AAD	3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.39	±9.6

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10484	AAD	3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.47	±9.6
10485	AAG	5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.59	±9.6
10486	AAG	5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.38	±9.6
10487	AAG	5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.60	±9.6
10488	AAG	10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.70	±9.6
10489	AAG	10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.81	±9.6
10490	AAG	10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.54	±9.6
10491	AAF	15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.74	±9.6
10492	AAF	15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.41	±9.6
10493	AAF	15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.55	±9.6
10494	AAG	20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	7.74	±9.6
10495	AAG	20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.37	±9.6
10496	AAG	20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 50% RB	LTE-TDD	8.54	±9.6
10497	AAC	1.4 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.67	±9.6
10498	AAC	1.4 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.40	±9.6
10499	AAC	1.4 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.68	±9.6
10500	AAD	3.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.72	±9.6
10501	AAD	3.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.44	±9.6
10502	AAD	3.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.52	±9.6
10503	AAG	5.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.72	±9.6
10504	AAG	5.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.31	±9.6
10505	AAG	5.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.54	±9.6
10506	AAG	10.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.74	±9.6
10507	AAG	10.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.36	±9.6
10508	AAG	10.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.55	±9.6
10509	AAF	15.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.99	±9.6
10510	AAF	15.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.49	±9.6
10511	AAF	15.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.51	±9.6
10512	AAG	20.0 MHz, QPSK, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	7.74	±9.6
10513	AAG	20.0 MHz, 16QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.42	±9.6
10514	AAG	20.0 MHz, 64QAM, UL/DL CFG: 0, SSC: 7, 100% RB	LTE-TDD	8.45	±9.6
10515	AAA	DSSS, DQPSK, 2.0 Mbps, 99.0% DC	WLAN	1.58	±9.6
10516	AAA	HR-DSSS, DQPSK, 5.5 Mbps, 99.2% DC	WLAN	1.57	±9.6
10517	AAA	HR-DSSS, DQPSK, 11.0 Mbps, 99.0% DC	WLAN	1.58	±9.6
10518	AAD	OFDM, BPSK, 9.0 Mbps, 98.9% DC	WLAN	8.23	±9.6
10519	AAD	OFDM, QPSK, 12.0 Mbps, 99.0% DC	WLAN	8.39	±9.6
10520	AAD	OFDM, QPSK, 18.0 Mbps, 99.0% DC	WLAN	8.12	±9.6
10521	AAD	OFDM, 16QAM, 24.0 Mbps, 99.0% DC	WLAN	7.97	±9.6
10522	AAD	OFDM, 16QAM, 36.0 Mbps, 99.0% DC	WLAN	8.45	±9.6
10523	AAD	OFDM, 64QAM, 48.0 Mbps, 99.0% DC	WLAN	8.08	±9.6
10524	AAD	OFDM, 64QAM, 54.0 Mbps, 99.0% DC	WLAN	8.27	±9.6
10525	AAD	VHT20, MCS0 (6.5 Mbps), 98.9% DC	WLAN	8.36	±9.6
10526	AAD	VHT20, MCS1 (13.0 Mbps), 99.0% DC	WLAN	8.42	±9.6
10527	AAD	VHT20, MCS2 (19.5 Mbps), 99.0% DC	WLAN	8.21	±9.6
10528	AAD	VHT20, MCS3 (26.0 Mbps), 99.0% DC	WLAN	8.36	±9.6
10529	AAD	VHT20, MCS4 (39.0 Mbps), 99.0% DC	WLAN	8.36	±9.6
10531	AAD	VHT20, MCS6 (58.5 Mbps), 99.0% DC	WLAN	8.43	±9.6
10532	AAD	VHT20, MCS7 (65.0 Mbps), 99.0% DC	WLAN	8.29	±9.6
10533	AAD	VHT20, MCS8 (78.0 Mbps), 99.0% DC	WLAN	8.38	±9.6
10534	AAD	VHT40, MCS0 (13.5 Mbps), 98.9% DC	WLAN	8.45	±9.6
10535	AAD	VHT40, MCS1 (27.0 Mbps), 98.8% DC	WLAN	8.45	±9.6
10536	AAD	VHT40, MCS2 (40.5 Mbps), 98.8% DC	WLAN	8.32	±9.6
10537	AAD	VHT40, MCS3 (54.0 Mbps), 98.7% DC	WLAN	8.44	±9.6
10538	AAD	VHT40, MCS4 (61.0 Mbps), 98.5% DC	WLAN	8.54	±9.6
10540	AAD	VHT40, MCS6 (121.5 Mbps), 98.3% DC	WLAN	8.39	±9.6
10541	AAD	VHT40, MCS7 (135.0 Mbps), 98.3% DC	WLAN	8.46	±9.6
10542	AAD	VHT40, MCS8 (162.0 Mbps), 98.1% DC	WLAN	8.65	±9.6
10543	AAD	VHT40, MCS9 (180.0 Mbps), 98.0% DC	WLAN	8.65	±9.6
10544	AAD	VHT80, MCS0 (29.3 Mbps), 99.0% DC	WLAN	8.47	±9.6
10545	AAD	VHT80, MCS1 (58.5 Mbps), 99.0% DC	WLAN	8.55	±9.6
10546	AAD	VHT80, MCS2 (87.8 Mbps), 99.0% DC	WLAN	8.35	±9.6
10547	AAD	VHT80, MCS3 (117.0 Mbps), 99.0% DC	WLAN	8.49	±9.6
10548	AAD	VHT80, MCS4 (175.5 Mbps), 99.0% DC	WLAN	8.37	±9.6
10550	AAD	VHT80, MCS6 (263.3 Mbps), 99.0% DC	WLAN	8.38	±9.6
10551	AAD	VHT80, MCS7 (292.5 Mbps), 99.0% DC	WLAN	8.50	±9.6
10552	AAD	VHT80, MCS8 (351.0 Mbps), 99.0% DC	WLAN	8.42	±9.6

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10553	AA0	VHT160, MCS9 (390.0 Mbps), 99.0% DC	WLAN	8.45	±9.6
10554	AAE	VHT160, MCS9 (58.5 Mbps), 99.0% DC	WLAN	8.48	±9.6
10555	AAE	VHT160, MCS1 (117.0 Mbps), 99.0% DC	WLAN	8.47	±9.6
10556	AAE	VHT160, MCS2 (175.5 Mbps), 99.0% DC	WLAN	8.50	±9.6
10557	AAE	VHT160, MCS3 (234.0 Mbps), 99.0% DC	WLAN	8.52	±9.6
10558	AAE	VHT160, MCS4 (351.0 Mbps), 99.0% DC	WLAN	8.61	±9.6
10560	AAE	VHT160, MCS6 (526.5 Mbps), 99.0% DC	WLAN	8.73	±9.6
10561	AAE	VHT160, MCS7 (565.0 Mbps), 99.0% DC	WLAN	8.56	±9.6
10562	AAE	VHT160, MCS8 (702.0 Mbps), 99.0% DC	WLAN	8.69	±9.6
10563	AAE	VHT160, MCS9 (780.0 Mbps), 99.0% DC	WLAN	8.77	±9.6
10564	AAA	OFDM, BPSK, 9.0 Mbps, 96.9% DC	WLAN	8.25	±9.6
10565	AAA	OFDM, QPSK, 12.0 Mbps, 99.0% DC	WLAN	8.45	±9.6
10566	AAA	OFDM, QPSK, 16.0 Mbps, 99.0% DC	WLAN	8.13	±9.6
10567	AAA	OFDM, 16QAM, 24.0 Mbps, 99.0% DC	WLAN	8.00	±9.6
10568	AAA	OFDM, 16QAM, 36.0 Mbps, 99.0% DC	WLAN	8.37	±9.6
10569	AAA	OFDM, 64QAM, 48.0 Mbps, 99.0% DC	WLAN	8.10	±9.6
10570	AAA	OFDM, 64QAM, 54.0 Mbps, 99.0% DC	WLAN	8.30	±9.6
10571	AAA	HR-DSSS, DQPSK, 1.0 Mbps, 90.0% DC	WLAN	1.98	±9.6
10572	AAA	DSSS, DQPSK, 2.0 Mbps, 90.0% DC	WLAN	1.99	±9.6
10573	AAA	HR-DSSS, DQPSK, 5.5 Mbps, 90.1% DC	WLAN	1.98	±9.6
10574	AAA	HR-DSSS, DQPSK, 11.0 Mbps, 90.3% DC	WLAN	1.98	±9.6
10575	AAA	OFDM, BPSK, 6.0 Mbps, 89.9% DC	WLAN	8.59	±9.6
10576	AAA	OFDM, BPSK, 9.0 Mbps, 89.9% DC	WLAN	8.60	±9.6
10577	AAA	OFDM, QPSK, 12.0 Mbps, 90.0% DC	WLAN	8.70	±9.6
10578	AAA	OFDM, QPSK, 16.0 Mbps, 90.0% DC	WLAN	8.49	±9.6
10579	AAA	OFDM, 16QAM, 24.0 Mbps, 90.0% DC	WLAN	8.36	±9.6
10580	AAA	OFDM, 16QAM, 36.0 Mbps, 90.0% DC	WLAN	8.76	±9.6
10581	AAA	OFDM, 64QAM, 48.0 Mbps, 90.0% DC	WLAN	8.35	±9.6
10582	AAA	OFDM, 64QAM, 54.0 Mbps, 90.0% DC	WLAN	8.67	±9.6
10583	AAD	OFDM, BPSK, 6.0 Mbps, 89.9% DC	WLAN	8.59	±9.6
10584	AAD	OFDM, BPSK, 9.0 Mbps, 89.9% DC	WLAN	8.60	±9.6
10585	AAD	OFDM, QPSK, 12.0 Mbps, 90.0% DC	WLAN	8.70	±9.6
10586	AAD	OFDM, QPSK, 16.0 Mbps, 90.0% DC	WLAN	8.49	±9.6
10587	AAD	OFDM, 16QAM, 24.0 Mbps, 90.0% DC	WLAN	8.36	±9.6
10588	AAD	OFDM, 16QAM, 36.0 Mbps, 90.0% DC	WLAN	8.76	±9.6
10589	AAD	OFDM, 64QAM, 48.0 Mbps, 90.0% DC	WLAN	8.35	±9.6
10590	AAD	OFDM, 64QAM, 54.0 Mbps, 90.0% DC	WLAN	8.67	±9.6
10591	AAD	HT20 Mixed, MCS0 (6.5 Mbps), 89.9% DC	WLAN	8.63	±9.6
10592	AAD	HT20 Mixed, MCS1 (13.0 Mbps), 90.0% DC	WLAN	8.79	±9.6
10593	AAD	HT20 Mixed, MCS2 (19.5 Mbps), 90.0% DC	WLAN	8.64	±9.6
10594	AAD	HT20 Mixed, MCS3 (26.0 Mbps), 90.0% DC	WLAN	8.74	±9.6
10595	AAD	HT20 Mixed, MCS4 (39.0 Mbps), 90.0% DC	WLAN	8.74	±9.6
10596	AAD	HT20 Mixed, MCS5 (52.0 Mbps), 90.0% DC	WLAN	8.71	±9.6
10597	AAD	HT20 Mixed, MCS6 (58.5 Mbps), 90.0% DC	WLAN	8.72	±9.6
10598	AAD	HT20 Mixed, MCS7 (65.0 Mbps), 90.0% DC	WLAN	8.50	±9.6
10599	AAD	HT40 Mixed, MCS0 (13.5 Mbps), 89.9% DC	WLAN	8.79	±9.6
10600	AAD	HT40 Mixed, MCS1 (27.0 Mbps), 89.7% DC	WLAN	8.88	±9.6
10601	AAD	HT40 Mixed, MCS2 (40.5 Mbps), 89.6% DC	WLAN	8.82	±9.6
10602	AAD	HT40 Mixed, MCS3 (54.0 Mbps), 89.4% DC	WLAN	8.94	±9.6
10603	AAD	HT40 Mixed, MCS4 (81.0 Mbps), 89.2% DC	WLAN	9.03	±9.6
10604	AAD	HT40 Mixed, MCS5 (108.0 Mbps), 88.9% DC	WLAN	8.76	±9.6
10605	AAD	HT40 Mixed, MCS6 (121.5 Mbps), 88.8% DC	WLAN	8.97	±9.6
10606	AAD	HT40 Mixed, MCS7 (135.0 Mbps), 88.7% DC	WLAN	8.82	±9.6
10607	AAD	VHT20, MCS0 (6.5 Mbps), 89.9% DC	WLAN	8.64	±9.6
10608	AAD	VHT20, MCS1 (13.0 Mbps), 90.0% DC	WLAN	8.77	±9.6
10609	AAD	VHT20, MCS2 (19.5 Mbps), 90.0% DC	WLAN	8.57	±9.6
10610	AAD	VHT20, MCS3 (26.0 Mbps), 90.0% DC	WLAN	8.78	±9.6
10611	AAD	VHT20, MCS4 (39.0 Mbps), 90.0% DC	WLAN	8.70	±9.6
10612	AAD	VHT20, MCS5 (52.0 Mbps), 90.0% DC	WLAN	8.77	±9.6
10613	AAD	VHT20, MCS6 (58.5 Mbps), 90.0% DC	WLAN	8.94	±9.6
10614	AAD	VHT20, MCS7 (65.0 Mbps), 90.0% DC	WLAN	8.59	±9.6
10615	AAD	VHT20, MCS8 (78.0 Mbps), 90.0% DC	WLAN	8.82	±9.6
10616	AAD	VHT40, MCS0 (13.5 Mbps), 89.9% DC	WLAN	8.82	±9.6
10617	AAD	VHT40, MCS1 (27.0 Mbps), 89.7% DC	WLAN	8.81	±9.6
10618	AAD	VHT40, MCS2 (40.5 Mbps), 89.6% DC	WLAN	8.58	±9.6
10619	AAD	VHT40, MCS3 (54.0 Mbps), 89.4% DC	WLAN	8.86	±9.6

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10620	AAD	VHT40, MCS4 (81.0 Mbps), 89.2% DC	WLAN	8.87	±9.6
10621	AAD	VHT40, MCS5 (108.0 Mbps), 88.9% DC	WLAN	8.77	±9.6
10622	AAD	VHT40, MCS6 (121.5 Mbps), 88.8% DC	WLAN	8.68	±9.6
10623	AAD	VHT40, MCS7 (135.0 Mbps), 88.5% DC	WLAN	8.62	±9.6
10624	AAD	VHT40, MCS8 (162.0 Mbps), 88.4% DC	WLAN	8.96	±9.6
10625	AAD	VHT40, MCS9 (180.0 Mbps), 88.2% DC	WLAN	8.96	±9.6
10626	AAD	VHT60, MCS0 (29.3 Mbps), 90.0% DC	WLAN	8.83	±9.6
10627	AAD	VHT80, MCS1 (58.5 Mbps), 90.0% DC	WLAN	8.88	±9.6
10628	AAD	VHT80, MCS2 (87.8 Mbps), 90.0% DC	WLAN	8.71	±9.6
10629	AAD	VHT80, MCS3 (117.0 Mbps), 90.0% DC	WLAN	8.85	±9.6
10630	AAD	VHT80, MCS4 (175.5 Mbps), 90.0% DC	WLAN	8.72	±9.6
10631	AAD	VHT80, MCS5 (234.0 Mbps), 90.0% DC	WLAN	8.81	±9.6
10632	AAD	VHT80, MCS6 (263.3 Mbps), 90.0% DC	WLAN	8.74	±9.6
10633	AAD	VHT80, MCS7 (292.5 Mbps), 90.0% DC	WLAN	8.83	±9.6
10634	AAD	VHT80, MCS8 (351.0 Mbps), 90.0% DC	WLAN	8.80	±9.6
10635	AAD	VHT80, MCS9 (390.0 Mbps), 90.0% DC	WLAN	8.81	±9.6
10636	AAE	VHT160, MCS0 (58.5 Mbps), 90.0% DC	WLAN	8.83	±9.6
10637	AAE	VHT160, MCS1 (117.0 Mbps), 90.0% DC	WLAN	8.79	±9.6
10638	AAE	VHT160, MCS2 (175.5 Mbps), 90.0% DC	WLAN	8.86	±9.6
10639	AAE	VHT160, MCS3 (234.0 Mbps), 90.0% DC	WLAN	8.85	±9.6
10640	AAE	VHT160, MCS4 (351.0 Mbps), 90.0% DC	WLAN	8.98	±9.6
10641	AAE	VHT160, MCS5 (468.0 Mbps), 90.0% DC	WLAN	9.06	±9.6
10642	AAE	VHT160, MCS6 (526.5 Mbps), 90.0% DC	WLAN	9.06	±9.6
10643	AAE	VHT160, MCS7 (585.0 Mbps), 90.0% DC	WLAN	8.89	±9.6
10644	AAE	VHT160, MCS8 (702.0 Mbps), 90.0% DC	WLAN	9.05	±9.6
10645	AAE	VHT160, MCS9 (780.0 Mbps), 90.0% DC	WLAN	9.11	±9.6
10646	AAH	5.0 MHz, QPSK, UL/DL CFG: 2, SSC: 4, 1 RB	LTE-TDD	11.96	±9.6
10647	AAG	20.0 MHz, QPSK, UL/DL CFG: 2, SSC: 7, 1 RB	LTE-TDD	11.96	±9.6
10648	AAA	RC8, SO75, 1xAdvanced	CDMA2000	3.45	±9.6
10670	AAA	LE, Test, GFSK	Bluetooth	2.19	±9.6
10671	AAC	ET20, MCS0 (8.6 Mbps), 100.0% DC	WLAN	8.09	±9.6
10672	AAC	ET20, MCS1 (17.0 Mbps), 100.0% DC	WLAN	8.57	±9.6
10673	AAC	ET20, MCS2 (26.0 Mbps), 100.0% DC	WLAN	8.78	±9.6
10674	AAC	ET20, MCS3 (34.0 Mbps), 100.0% DC	WLAN	8.74	±9.6
10675	AAC	ET20, MCS4 (52.0 Mbps), 100.0% DC	WLAN	8.90	±9.6
10676	AAC	ET20, MCS5 (69.0 Mbps), 100.0% DC	WLAN	8.77	±9.6
10677	AAC	ET20, MCS6 (77.0 Mbps), 100.0% DC	WLAN	8.73	±9.6
10678	AAC	ET20, MCS7 (86.0 Mbps), 100.0% DC	WLAN	8.78	±9.6
10679	AAC	ET20, MCS8 (103.0 Mbps), 100.0% DC	WLAN	8.89	±9.6
10680	AAC	ET20, MCS9 (115.0 Mbps), 100.0% DC	WLAN	8.80	±9.6
10681	AAC	ET20, MCS10 (122.0 Mbps), 100.0% DC	WLAN	8.62	±9.6
10682	AAC	ET20, MCS11 (135.0 Mbps), 100.0% DC	WLAN	8.83	±9.6
10683	AAC	ET20, MCS0 (8.6 Mbps), 100.0% DC	WLAN	8.42	±9.6
10684	AAC	ET20, MCS1 (17.0 Mbps), 100.0% DC	WLAN	8.26	±9.6
10685	AAC	ET20, MCS2 (26.0 Mbps), 100.0% DC	WLAN	8.33	±9.6
10686	AAC	ET20, MCS3 (34.0 Mbps), 100.0% DC	WLAN	8.28	±9.6
10687	AAC	ET20, MCS4 (52.0 Mbps), 100.0% DC	WLAN	8.45	±9.6
10688	AAC	ET20, MCS5 (69.0 Mbps), 100.0% DC	WLAN	8.29	±9.6
10689	AAC	ET20, MCS6 (77.0 Mbps), 100.0% DC	WLAN	8.55	±9.6
10690	AAC	ET20, MCS7 (86.0 Mbps), 100.0% DC	WLAN	8.29	±9.6
10691	AAC	ET20, MCS8 (103.0 Mbps), 100.0% DC	WLAN	8.25	±9.6
10692	AAC	ET20, MCS9 (115.0 Mbps), 100.0% DC	WLAN	8.29	±9.6
10693	AAC	ET20, MCS10 (122.0 Mbps), 100.0% DC	WLAN	8.25	±9.6
10694	AAC	ET20, MCS11 (135.0 Mbps), 100.0% DC	WLAN	8.57	±9.6
10695	AAC	ET40, MCS0 (17.2 Mbps), 89.8% DC	WLAN	8.78	±9.6
10696	AAC	ET40, MCS1 (34.0 Mbps), 89.8% DC	WLAN	8.91	±9.6
10697	AAC	ET40, MCS2 (52.0 Mbps), 89.7% DC	WLAN	8.61	±9.6
10698	AAC	ET40, MCS3 (69.0 Mbps), 89.7% DC	WLAN	8.89	±9.6
10699	AAC	ET40, MCS4 (103.0 Mbps), 89.9% DC	WLAN	8.82	±9.6
10700	AAC	ET40, MCS5 (138.0 Mbps), 89.8% DC	WLAN	8.73	±9.6
10701	AAC	ET40, MCS6 (155.0 Mbps), 89.8% DC	WLAN	8.86	±9.6
10702	AAC	ET40, MCS7 (172.0 Mbps), 89.8% DC	WLAN	8.70	±9.6
10703	AAC	ET40, MCS8 (207.0 Mbps), 89.8% DC	WLAN	8.82	±9.6
10704	AAC	ET40, MCS9 (229.0 Mbps), 89.8% DC	WLAN	8.56	±9.6
10705	AAC	ET40, MCS10 (258.0 Mbps), 89.8% DC	WLAN	8.69	±9.6
10706	AAC	ET40, MCS11 (267.0 Mbps), 89.8% DC	WLAN	8.66	±9.6

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10707	AAC	ET40, MCS0 (17.2 Mbps), 99.8% DC	WLAN	8.32	±9.6
10708	AAC	ET40, MCS1 (34.0 Mbps), 99.7% DC	WLAN	8.55	±9.6
10709	AAC	ET40, MCS2 (52.0 Mbps), 99.7% DC	WLAN	8.33	±9.6
10710	AAC	ET40, MCS3 (69.0 Mbps), 99.7% DC	WLAN	8.29	±9.6
10711	AAC	ET40, MCS4 (103.0 Mbps), 99.8% DC	WLAN	8.39	±9.6
10712	AAC	ET40, MCS5 (138.0 Mbps), 99.8% DC	WLAN	8.67	±9.6
10713	AAC	ET40, MCS6 (155.0 Mbps), 99.8% DC	WLAN	8.33	±9.6
10714	AAC	ET40, MCS7 (172.0 Mbps), 99.8% DC	WLAN	8.26	±9.6
10715	AAC	ET40, MCS8 (207.0 Mbps), 99.8% DC	WLAN	8.45	±9.6
10716	AAC	ET40, MCS9 (229.0 Mbps), 99.8% DC	WLAN	8.30	±9.6
10717	AAC	ET40, MCS10 (258.0 Mbps), 99.8% DC	WLAN	8.48	±9.6
10718	AAC	ET40, MCS11 (267.0 Mbps), 99.8% DC	WLAN	8.24	±9.6
10719	AAC	ET80, MCS0 (36.0 Mbps), 90.0% DC	WLAN	8.81	±9.6
10720	AAC	ET80, MCS1 (72.1 Mbps), 90.0% DC	WLAN	8.87	±9.6
10721	AAC	ET80, MCS2 (108.1 Mbps), 90.0% DC	WLAN	8.76	±9.6
10722	AAC	ET80, MCS3 (144.1 Mbps), 90.0% DC	WLAN	8.55	±9.6
10723	AAC	ET80, MCS4 (216.2 Mbps), 90.0% DC	WLAN	8.70	±9.6
10724	AAC	ET80, MCS5 (288.2 Mbps), 90.0% DC	WLAN	8.90	±9.6
10725	AAC	ET80, MCS6 (324.4 Mbps), 90.0% DC	WLAN	8.74	±9.6
10726	AAC	ET80, MCS7 (360.3 Mbps), 90.0% DC	WLAN	8.72	±9.6
10727	AAC	ET80, MCS8 (432.4 Mbps), 90.0% DC	WLAN	8.66	±9.6
10728	AAC	ET80, MCS9 (480.4 Mbps), 90.0% DC	WLAN	8.65	±9.6
10729	AAC	ET80, MCS10 (540.4 Mbps), 90.0% DC	WLAN	8.64	±9.6
10730	AAC	ET80, MCS11 (72.0 Mbps), 90.0% DC	WLAN	8.67	±9.6
10731	AAC	ET80, MCS0 (36.0 Mbps), 100.0% DC	WLAN	8.42	±9.6
10732	AAC	ET80, MCS1 (72.1 Mbps), 100.0% DC	WLAN	8.46	±9.6
10733	AAC	ET80, MCS2 (108.1 Mbps), 100.0% DC	WLAN	8.40	±9.6
10734	AAC	ET80, MCS3 (144.1 Mbps), 100.0% DC	WLAN	8.25	±9.6
10735	AAC	ET80, MCS4 (216.2 Mbps), 100.0% DC	WLAN	8.33	±9.6
10736	AAC	ET80, MCS5 (288.2 Mbps), 100.0% DC	WLAN	8.27	±9.6
10737	AAC	ET80, MCS6 (324.4 Mbps), 100.0% DC	WLAN	8.36	±9.6
10738	AAC	ET80, MCS7 (360.3 Mbps), 100.0% DC	WLAN	8.42	±9.6
10739	AAC	ET80, MCS8 (432.4 Mbps), 100.0% DC	WLAN	8.29	±9.6
10740	AAC	ET80, MCS9 (480.4 Mbps), 100.0% DC	WLAN	8.46	±9.6
10741	AAC	ET80, MCS10 (540.4 Mbps), 100.0% DC	WLAN	8.40	±9.6
10742	AAC	ET80, MCS11 (600.5 Mbps), 100.0% DC	WLAN	8.43	±9.6
10743	AAC	ET160, MCS0 (72.0 Mbps), 88.2% DC	WLAN	8.94	±9.6
10744	AAC	ET160, MCS1 (144.0 Mbps), 87.1% DC	WLAN	9.16	±9.6
10745	AAC	ET160, MCS2 (216.0 Mbps), 87.4% DC	WLAN	8.93	±9.6
10746	AAC	ET160, MCS3 (288.0 Mbps), 87.1% DC	WLAN	9.11	±9.6
10747	AAC	ET160, MCS4 (432.0 Mbps), 87.4% DC	WLAN	9.04	±9.6
10748	AAC	ET160, MCS5 (576.0 Mbps), 86.8% DC	WLAN	8.93	±9.6
10749	AAC	ET160, MCS6 (649.0 Mbps), 86.7% DC	WLAN	8.90	±9.6
10750	AAC	ET160, MCS7 (721.0 Mbps), 86.7% DC	WLAN	8.79	±9.6
10751	AAC	ET160, MCS8 (865.0 Mbps), 86.3% DC	WLAN	8.82	±9.6
10752	AAC	ET160, MCS9 (961.0 Mbps), 86.3% DC	WLAN	8.81	±9.6
10753	AAC	ET160, MCS10 (1081.0 Mbps), 86.7% DC	WLAN	9.00	±9.6
10754	AAC	ET160, MCS11 (1201.0 Mbps), 86.7% DC	WLAN	8.94	±9.6
10755	AAC	ET160, MCS0 (72.0 Mbps), 98.0% DC	WLAN	8.64	±9.6
10756	AAC	ET160, MCS1 (144.0 Mbps), 96.8% DC	WLAN	8.77	±9.6
10757	AAC	ET160, MCS2 (216.0 Mbps), 97.1% DC	WLAN	8.77	±9.6
10758	AAC	ET160, MCS3 (288.0 Mbps), 96.8% DC	WLAN	8.69	±9.6
10759	AAC	ET160, MCS4 (432.0 Mbps), 97.1% DC	WLAN	8.58	±9.6
10760	AAC	ET160, MCS5 (576.0 Mbps), 96.5% DC	WLAN	8.49	±9.6
10761	AAC	ET160, MCS6 (649.0 Mbps), 96.3% DC	WLAN	8.58	±9.6
10762	AAC	ET160, MCS7 (721.0 Mbps), 96.3% DC	WLAN	8.49	±9.6
10763	AAC	ET160, MCS8 (865.0 Mbps), 95.9% DC	WLAN	8.53	±9.6
10764	AAC	ET160, MCS9 (961.0 Mbps), 95.9% DC	WLAN	8.54	±9.6
10765	AAC	ET160, MCS10 (1081.0 Mbps), 96.3% DC	WLAN	8.54	±9.6
10766	AAC	ET160, MCS11 (1201.0 Mbps), 96.3% DC	WLAN	8.51	±9.6
10767	AAG	CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.99	±9.6
10768	AAE	CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.01	±9.6
10769	AAD	CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.01	±9.6
10770	AAE	CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.02	±9.6
10771	AAD	CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.02	±9.6
10772	AAE	CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.23	±9.6

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10773	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.03	±9.6
10774	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.02	±9.6
10775	AAF	CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.31	±9.6
10776	AAE	CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.30	±9.6
10777	AAC	CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.30	±9.6
10778	AAE	CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.34	±9.6
10779	AAC	CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.42	±9.6
10780	AAE	CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.38	±9.6
10781	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.38	±9.6
10782	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.43	±9.6
10783	AAG	CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.31	±9.6
10784	AAE	CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.29	±9.6
10785	AAD	CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.40	±9.6
10786	AAE	CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.35	±9.6
10787	AAD	CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.44	±9.6
10788	AAE	CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.39	±9.6
10789	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.37	±9.6
10790	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.39	±9.6
10791	AAG	CP-OFDM, 5.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.83	±9.6
10792	AAE	CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.92	±9.6
10793	AAD	CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.95	±9.6
10794	AAE	CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.82	±9.6
10795	AAD	CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.84	±9.6
10796	AAE	CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.82	±9.6
10797	AAF	CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.01	±9.6
10798	AAE	CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.89	±9.6
10799	AAF	CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.93	±9.6
10800	AAF	CP-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.89	±9.6
10801	AAF	CP-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.87	±9.6
10802	AAE	CP-OFDM, 90.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.93	±9.6
10803	AAF	CP-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.34	±9.6
10805	AAE	CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.37	±9.6
10806	AAD	CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.34	±9.6
10809	AAE	CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.34	±9.6
10810	AAF	CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.35	±9.6
10812	AAF	CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.35	±9.6
10817	AAG	CP-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.34	±9.6
10818	AAE	CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.33	±9.6
10819	AAD	CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.30	±9.6
10820	AAE	CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10821	AAD	CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10822	AAE	CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.36	±9.6
10823	AAF	CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.39	±9.6
10824	AAE	CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10825	AAF	CP-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.42	±9.6
10827	AAF	CP-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.43	±9.6
10828	AAE	CP-OFDM, 90.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.40	±9.6
10829	AAF	CP-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	7.63	±9.6
10830	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.73	±9.6
10831	AAD	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.74	±9.6
10832	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.70	±9.6
10833	AAD	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	7.75	±9.6
10834	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.70	±9.6
10835	AAF	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.66	±9.6
10836	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.68	±9.6
10837	AAF	CP-OFDM, 60.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.70	±9.6
10839	AAF	CP-OFDM, 80.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.67	±9.6
10840	AAE	CP-OFDM, 90.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	7.71	±9.6
10841	AAF	CP-OFDM, 100.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	8.49	±9.6
10843	AAD	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.34	±9.6
10844	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.41	±9.6
10846	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	8.34	±9.6
10854	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.36	±9.6
10855	AAD	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.37	±9.6
10856	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.35	±9.6
10857	AAD	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.35	±9.6
10858	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.35	±9.6

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10859	AAF	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.34	±9.6
10860	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10861	AAF	CP-OFDM, 60.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.40	±9.6
10863	AAF	CP-OFDM, 80.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10864	AAE	CP-OFDM, 90.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.37	±9.6
10865	AAF	CP-OFDM, 100.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±9.6
10866	AAF	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10868	AAF	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.89	±9.6
10869	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±9.6
10870	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.86	±9.6
10871	AAE	DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±9.6
10872	AAE	DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.52	±9.6
10873	AAE	DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	6.61	±9.6
10874	AAE	DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.65	±9.6
10875	AAE	CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	7.78	±9.6
10876	AAE	CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.39	±9.6
10877	AAE	CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	7.95	±9.6
10878	AAE	CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.41	±9.6
10879	AAE	CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.12	±9.6
10880	AAE	CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.36	±9.6
10881	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±9.6
10882	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.96	±9.6
10883	AAE	DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	6.57	±9.6
10884	AAE	DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.53	±9.6
10885	AAE	DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	6.61	±9.6
10886	AAE	DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.65	±9.6
10887	AAE	CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 99.9% DC, 1 RB	5G NR FR2 TDD	7.78	±9.6
10888	AAE	CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.35	±9.6
10889	AAE	CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.02	±9.6
10890	AAE	CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.40	±9.6
10891	AAE	CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.13	±9.6
10892	AAE	CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.41	±9.6
10897	AAE	DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB	5G NR FR1 TDD	5.66	±9.6
10898	AAC	DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.67	±9.6
10899	AAB	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10900	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10901	AAB	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10902	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10903	AAD	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10904	AAC	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10905	AAD	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±9.6
10906	AAD	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.78	±9.6
10907	AAE	DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.93	±9.6
10908	AAC	DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.96	±9.6
10909	AAB	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.93	±9.6
10910	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.83	±9.6
10911	AAB	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.84	±9.6
10912	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.84	±9.6
10913	AAD	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.85	±9.6
10914	AAC	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.83	±9.6
10915	AAD	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.87	±9.6
10916	AAD	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.94	±9.6
10917	AAD	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.86	±9.6
10918	AAE	DFT-s-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.86	±9.6
10919	AAC	DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.87	±9.6
10920	AAB	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.84	±9.6
10921	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.82	±9.6
10922	AAB	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.84	±9.6
10923	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.84	±9.6
10924	AAD	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.95	±9.6
10925	AAC	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.84	±9.6
10926	AAD	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.94	±9.6
10927	AAD	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 FDD	5.52	±9.6
10928	AAD	DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.52	±9.6
10929	AAD	DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.52	±9.6
10930	AAC	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.52	±9.6

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November 21, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10931	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.51	±9.6
10932	AAC	DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.51	±9.6
10933	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.51	±9.6
10934	AAC	DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.51	±9.6
10935	AAD	DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 FDD	5.51	±9.6
10936	AAD	DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.90	±9.6
10937	AAD	DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.77	±9.6
10938	AAC	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.90	±9.6
10939	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.82	±9.6
10940	AAC	DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.89	±9.6
10941	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.83	±9.6
10942	AAC	DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.85	±9.6
10943	AAD	DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 50% RB	5G NR FR1 FDD	5.95	±9.6
10944	AAD	DFT-s-OFDM, 5.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.81	±9.6
10945	AAD	DFT-s-OFDM, 10.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.85	±9.6
10946	AAC	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.83	±9.6
10947	AAC	DFT-s-OFDM, 20.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.87	±9.6
10948	AAC	DFT-s-OFDM, 25.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.94	±9.6
10949	AAC	DFT-s-OFDM, 30.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.87	±9.6
10950	AAC	DFT-s-OFDM, 40.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.94	±9.6
10951	AAD	DFT-s-OFDM, 50.0 MHz, QPSK, 15 kHz, 100% RB	5G NR FR1 FDD	5.92	±9.6
10978	AAA	BDR, 1.0 MHz, 76.7% DC	ULLA	1.16	±9.6
10979	AAA	HDR4, 2.0 MHz, 25.1% DC	ULLA	8.58	±9.6
10980	AAA	HDR8, 4.0 MHz, 16.5% DC	ULLA	10.32	±9.6
10981	AAA	HDRp4, 2.0 MHz, 89.0% DC	ULLA	3.19	±9.6
10982	AAA	HDRp8, 4.0 MHz, 90.3% DC	ULLA	3.43	±9.6
11013	AAB	EHT320, MCS1 (272.0 Mbps), 100.0% DC	WLAN	8.47	±9.6
11014	AAB	EHT320, MCS2 (408.0 Mbps), 100.0% DC	WLAN	8.45	±9.6
11015	AAB	EHT320, MCS3 (544.0 Mbps), 100.0% DC	WLAN	8.44	±9.6
11016	AAB	EHT320, MCS4 (817.0 Mbps), 100.0% DC	WLAN	8.44	±9.6
11017	AAB	EHT320, MCS5 (1089.0 Mbps), 100.0% DC	WLAN	8.41	±9.6
11018	AAB	EHT320, MCS6 (1225.0 Mbps), 100.0% DC	WLAN	8.40	±9.6
11019	AAB	EHT320, MCS7 (1361.0 Mbps), 100.0% DC	WLAN	8.29	±9.6
11020	AAB	EHT320, MCS8 (1633.0 Mbps), 100.0% DC	WLAN	8.27	±9.6
11021	AAB	EHT320, MCS9 (1815.0 Mbps), 100.0% DC	WLAN	8.46	±9.6
11022	AAB	EHT320, MCS10 (2042.0 Mbps), 100.0% DC	WLAN	8.36	±9.6
11023	AAB	EHT320, MCS11 (2269.0 Mbps), 100.0% DC	WLAN	8.09	±9.6
11024	AAB	EHT320, MCS12 (2450.0 Mbps), 100.0% DC	WLAN	8.42	±9.6
11025	AAB	EHT320, MCS13 (2722.0 Mbps), 100.0% DC	WLAN	8.37	±9.6
11026	AAB	EHT320, MCS0 (136.0 Mbps), 100.0% DC	WLAN	8.39	±9.6

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client

Dt&C

Gyeonggi-do, Republic of Korea

Certificate No.

EX-3916_Mar26

CALIBRATION CERTIFICATE

Object EX3DV4 - SN:3916

Calibration procedure(s) QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,
QA CAL-25.v8, QA CAL-48.v2
Calibration procedure for dosimetric E-field probes

Calibration date March 31, 2026

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP40T	SN: 101861	29-Apr-25 (No. 2025-001450)	Apr-26
N-type mismatch combination	SN: L1119	26-Mar-25 (No. 217-04292)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1249	16-Sept-25 (No. OCP-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX3DV4	SN: 7349	29-Jan-26 (No. EX3-7349_Jan26)	Jan-27
DAE4	SN: 1301	22-Jan-26 (No. DAE4-1301_Jan26)	Jan-27

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	01-Oct-25 (No. IHCK_ACAP2020-1_Oct25)	Oct-26
OCP DAK-12	SN: 1029	24-Feb-26 (No. OCP-DAK12-1029_Feb26)	Feb-27
OCP DAK-3.5	SN: 1336	10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)	Dec-26

	Name	Function	Signature
Calibrated by	Henrique Almeida	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: April 01, 2026

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

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