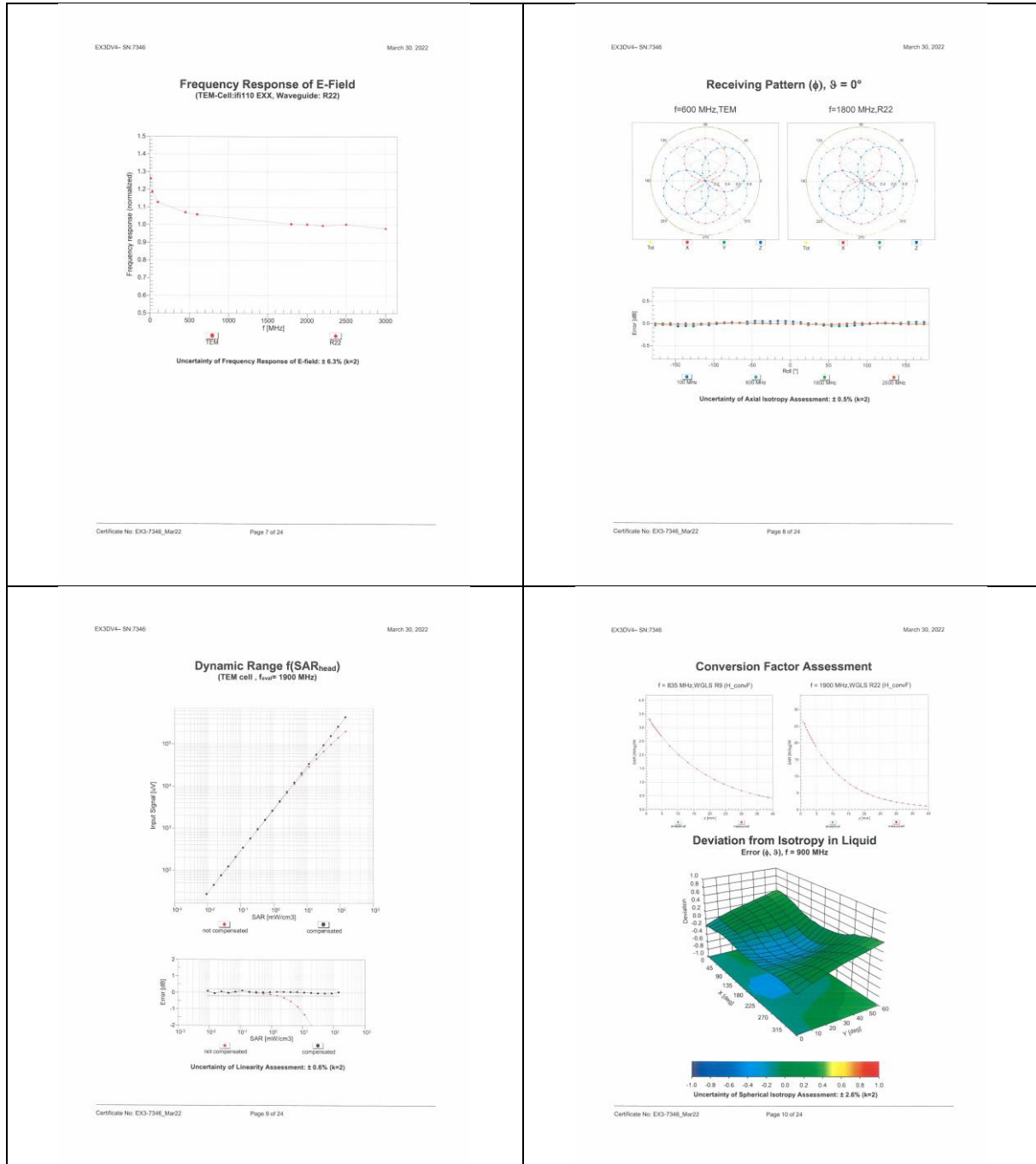


EX3DV4 - SN:7346									
March 30, 2022									
DASY/EASY - Parameters of Probe: EX3DV4 - SN:7346									
Basic Calibration Parameters									
Norm. $\mu V/(V/m)^2$		Sensor X		Sensor Y		Sensor Z		Unc. (k=2)	
DCP (mV) ²		0.45		0.47		0.61		± 10.1 %	
		101.4		106.0		106.9			
Calibration Results for Modulation Response									
UID	Communication System Name	A	B	C	D	VR	Max. dev.	Max. Unc.	
		dB	dB-μV	dB	dB	mV			(k=2)
0	CW	X: 0.00	0.00	1.00	0.00	143.5	± 3.5 %	± 4.1 %	
		Y: 0.00	0.00	1.00	0.00	139.3			
		Z: 0.00	0.00	1.00	0.00	139.0			
10035	Pulse Waveform (200Hz, 10%)	X: 3.33	68.90	11.66	10.00	60.0	± 3.5 %	± 9.6 %	
		Y: 4.03	79.70	12.35	60.0				
		Z: 1.63	61.25	6.76	60.0				
10035	Pulse Waveform (200Hz, 20%)	X: 3.30	79.65	11.31	6.99	85.0	± 2.4 %	± 9.6 %	
		Y: 11.31	81.32	14.72	86.0				
		Z: 5.83	69.90	5.11	86.0				
10035	Pulse Waveform (200Hz, 40%)	X: 7.41	79.85	12.51	3.98	95.0	± 2.7 %	± 9.6 %	
		Y: 26.93	81.42	15.51	95.0				
		Z: 0.18	138.38	0.01	95.0				
10035	Pulse Waveform (200Hz, 60%)	X: 2.27	71.13	9.52	2.32	120.0	± 1.7 %	± 9.6 %	
		Y: 20.90	91.58	16.29	120.0				
		Z: 7.84	138.51	16.47	120.0				
10067	GRK Waveform, 1 MHz	X: 1.47	64.88	13.82	1.00	150.0	± 4.2 %	± 9.6 %	
		Y: 1.56	66.27	14.65	0.00	150.0			
		Z: 0.43	67.88	11.05	150.0				
10088	GRK Waveform, 10 MHz	X: 1.46	66.27	14.65	0.00	150.0	± 1.1 %	± 9.6 %	
		Y: 2.08	67.33	13.38	150.0				
		Z: 2.41	64.75	13.18	150.0				
10086	64-QAM Waveform, 100 MHz	X: 2.43	68.51	18.25	3.01	150.0	± 1.0 %	± 9.6 %	
		Y: 1.79	64.72	15.99	0.00	150.0			
		Z: 1.79	64.72	15.99	0.00	150.0			
10086	64-QAM Waveform, 40 MHz	X: 3.38	66.82	15.25	0.00	150.0	± 2.0 %	± 9.6 %	
		Y: 3.38	66.82	15.25	0.00	150.0			
		Z: 2.70	65.72	14.74	150.0				
10014	WLAN CDDF, 64-QAM, 40MHz	X: 4.11	69.35	12.77	0.00	150.0	± 3.6 %	± 9.6 %	
		Y: 4.70	65.54	15.41	150.0				
		Z: 3.83	66.16	15.28	150.0				
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%.									
* The uncertainties of Norm. X, Y, Z do not affect the E-field uncertainty within T10, (see Pages 5 and 6)									
* Numerical indication parameter: uncertainty not required									
* Uncertainty is determined using the root deviation from linear response applying rectangular distribution and is expressed for the square of the field value.									
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EX3DV4 - SN:7346									
March 30, 2022									
DASY/EASY - Parameters of Probe: EX3DV4 - SN:7346									
Sensor Model Parameters									
C1	C2	a	T1	T2	T3	T4	T5	T6	
IP	IP	V ²	ms.V ²	ms.V ²	ms	V ²	V ²	V ²	
X	39.2	291.80	35.10	5.63	5.02	1.42	0.12	1.01	
Y	37.1	270.84	34.12	6.29	6.01	1.82	0.05	1.01	
Z	9.7	69.74	33.37	4.96	0.00	4.94	0.61	0.00	1.00
Other Probe Parameters									
Sensor Arrangement									
Triangular									
Connector Angle (°)									
-166.1									
Mechanical Surface Detection Mode									
enabled									
Optical Surface Detection Mode									
disabled									
Probe Overall Length									
337 mm									
Probe Body Diameter									
10 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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March 30, 2022									
DASY/EASY - Parameters of Probe: EX3DV4 - SN:7346									
Calibration Parameter Determined in Head Tissue Simulating Media									
f (MHz)	Relative Permittivity ¹	Conductivity (S/m) ²	ConvF X	ConvF Y	ConvF Z	Alpha ³	Depth ⁴ (mm)	Unc. (k=2)	
750	41.9	0.69	10.56	10.56	10.56	0.55	0.85	± 12.0 %	
835	41.5	0.90	10.12	10.12	10.12	0.42	0.96	± 12.0 %	
900	41.5	0.97	10.10	10.10	10.10	0.53	0.80	± 12.0 %	
1430	40.5	1.20	9.26	9.26	9.26	0.50	0.80	± 12.0 %	
1750	40.1	1.37	8.63	8.63	8.63	0.34	0.86	± 12.0 %	
1900	40.0	1.40	8.48	8.48	8.48	0.35	0.86	± 12.0 %	
2000	40.0	1.40	8.35	8.35	8.35	0.34	0.86	± 12.0 %	
2300	39.5	1.67	7.86	7.86	7.86	0.39	0.90	± 12.0 %	
2450	39.2	1.80	7.63	7.63	7.63	0.41	0.90	± 12.0 %	
2600	39.0	1.96	7.33	7.33	7.33	0.44	0.90	± 12.0 %	
3300	38.2	2.71	7.15	7.15	7.15	0.30	1.35	± 13.1 %	
3500	37.8	2.81	7.14	7.14	7.14	0.30	1.35	± 13.1 %	
3750	37.7	3.12	6.85	6.85	6.85	0.30	1.35	± 13.1 %	
3900	37.5	3.32	6.71	6.71	6.71	0.40	1.60	± 13.1 %	
4100	37.2	3.53	6.58	6.58	6.58	0.40	1.60	± 13.1 %	
4200	37.1	3.63	6.30	6.30	6.30	0.40	1.70	± 13.1 %	
4400	36.9	3.64	6.24	6.24	6.24	0.40	1.70	± 13.1 %	
4600	36.7	4.04	6.11	6.11	6.11	0.40	1.70	± 13.1 %	
4800	36.4	4.25	6.08	6.08	6.08	0.40	1.80	± 13.1 %	
4900	36.3	4.40	5.84	5.84	5.84	0.40	1.80	± 13.1 %	
5200	36.0	4.66	5.25	5.25	5.25	0.40	1.80	± 13.1 %	
5300	35.9	4.78	5.12	5.12	5.12	0.40	1.80	± 13.1 %	
5500	35.6	4.96	4.85	4.85	4.85	0.40	1.80	± 13.1 %	
5600	35.5	5.07	4.70	4.70	4.70	0.40	1.80	± 13.1 %	
5800	35.3	5.27	4.75	4.75	4.75	0.40	1.80	± 13.1 %	
* Frequency validity above 300 MHz is ± 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.									
* At frequencies 5-10 GHz, the validity of tissue parameters (ε and σ) can be related to ± 10% if liquid compensation formula is applied to measured DCP values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.									
* Alpha/Depth are determined during calibration. SP-ECG 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 diameter from the boundary.									
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EX3DV4 - SN:7346									
March 30, 2022									
DASY/EASY - Parameters of Probe: EX3DV4 - SN:7346									
Calibration Parameter Determined in Head Tissue Simulating Media									
f (MHz)	Relative Permittivity ¹	Conductivity (S/m) ²	ConvF X	ConvF Y	ConvF Z	Alpha ³	Depth ⁴ (mm)	Unc. (k=2)	
6500	34.5	6.07	5.30	5.30	5.30	0.20	2.50	± 18.6 %	
* Frequency validity above 6 GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.									
* At frequencies 5-10 GHz, the validity of tissue parameters (ε and σ) can be related to ± 10% if liquid compensation formula is applied to measured DCP values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.									
* Alpha/Depth are determined during calibration. SP-ECG 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 diameter from the boundary.									
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EX3034-SN-7346 March 30, 2022 <table><tr><td>10414</td><td>AAA</td><td>WLAN</td><td>CDP</td><td>64-QAM</td><td>40MHz</td><td>Generic</td><td>8.54</td><td>> 9.8%</td></tr><tr><td>10415</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 1 Mbps, R90c-d)</td><td>WLAN</td><td>1.54</td><td>> 9.8%</td></tr><tr><td>10416</td><td>AAA</td><td>IEEE 802.11g</td><td>WIFI</td><td>2.4 GHz</td><td>(OFDM, 5.5 Mbps, R90c-d)</td><td>WLAN</td><td>8.23</td><td>> 9.8%</td></tr><tr><td>10417</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 6 Mbps, R90c-d)</td><td>WLAN</td><td>8.23</td><td>> 9.8%</td></tr><tr><td>10418</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 6 Mbps, R90c-d)</td><td>WLAN</td><td>8.14</td><td>> 9.8%</td></tr><tr><td>10419</td><td>AAA</td><td>IEEE 802.11g</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 8 Mbps, R90c-d)</td><td>WLAN</td><td>8.19</td><td>> 9.8%</td></tr><tr><td>10420</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>7.2 Mbps, R90c-d</td><td>WLAN</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10421</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>6.3 Mbps, 16-QAM</td><td>WLAN</td><td>8.47</td><td>> 9.8%</td></tr><tr><td>10424</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>7.2 Mbps, 64-QAM</td><td>WLAN</td><td>8.40</td><td>> 9.8%</td></tr><tr><td>10425</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>14 Mbps, R90c-d</td><td>WLAN</td><td>8.34</td><td>> 9.8%</td></tr><tr><td>10428</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>30 Mbps, 16-QAM</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10427</td><td>AAC</td><td>IEEE 802.11n</td><td>HT</td><td>Overhead</td><td>130 Mbps, 64-QAM</td><td>WLAN</td><td>8.41</td><td>> 9.8%</td></tr><tr><td>10432</td><td>AAD</td><td>LTE-FDD</td><td>OFDMA</td><td>5 MHz</td><td>E-UTRA 3.1</td><td>LTE-FDD</td><td>8.38</td><td>> 9.8%</td></tr><tr><td>10431</td><td>AAD</td><td>LTE-FDD</td><td>OFDMA</td><td>10 MHz</td><td>E-UTRA 3.1</td><td>LTE-FDD</td><td>8.38</td><td>> 9.8%</td></tr><tr><td>10432</td><td>AAC</td><td>LTE-FDD</td><td>OFDMA</td><td>15 MHz</td><td>E-UTRA 3.1</td><td>LTE-FDD</td><td>8.34</td><td>> 9.8%</td></tr><tr><td>10433</td><td>AAC</td><td>LTE-FDD</td><td>OFDMA</td><td>20 MHz</td><td>E-UTRA 3.1</td><td>LTE-FDD</td><td>8.34</td><td>> 9.8%</td></tr><tr><td>10434</td><td>AAA</td><td>WCDMA</td><td>(BS Test Model 1, 64 DPCCH)</td><td></td><td>WCDMA</td><td>8.80</td><td>> 9.8%</td></tr><tr><td>10435</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.82</td><td>> 9.8%</td></tr><tr><td>10447</td><td>AAD</td><td>LTE-FDD</td><td>OFDMA</td><td>5 MHz</td><td>E-UTRA 3.1, CQing 44%</td><td>LTE-FDD</td><td>7.86</td><td>> 9.8%</td></tr><tr><td>10448</td><td>AAD</td><td>LTE-FDD</td><td>OFDMA</td><td>10 MHz</td><td>E-UTRA 3.1, CQing 44%</td><td>LTE-FDD</td><td>7.93</td><td>> 9.8%</td></tr><tr><td>10449</td><td>AAC</td><td>LTE-FDD</td><td>OFDMA</td><td>15 MHz</td><td>E-UTRA 3.1, CQing 44%</td><td>LTE-FDD</td><td>7.91</td><td>> 9.8%</td></tr><tr><td>10450</td><td>AAC</td><td>LTE-FDD</td><td>OFDMA</td><td>20 MHz</td><td>E-UTRA 3.1, CQing 44%</td><td>LTE-FDD</td><td>7.88</td><td>> 9.8%</td></tr><tr><td>10451</td><td>AAA</td><td>WCDMA</td><td>(BS Test Model 1, 64 DPCCH, CQing 44%)</td><td></td><td>WCDMA</td><td>7.89</td><td>> 9.8%</td></tr><tr><td>10452</td><td>AAD</td><td>Validation</td><td>(Signatures, 10ms, 1ms)</td><td></td><td>Test</td><td>10.90</td><td>> 9.8%</td></tr><tr><td>10458</td><td>AAA</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>64-QAM, R90c-d</td><td>WLAN</td><td>8.63</td><td>> 9.8%</td></tr><tr><td>10457</td><td>AAA</td><td>UMTS</td><td>FDD</td><td>(SC-HSPA)</td><td></td><td>WCDMA</td><td>6.62</td><td>> 9.8%</td></tr><tr><td>10459</td><td>AAA</td><td>CDMA2000</td><td>(1xEV-DO, Rev. B, 3.1c)</td><td></td><td>CDMA2000</td><td>8.58</td><td>> 9.8%</td></tr><tr><td>10459</td><td>AAA</td><td>CDMA2000</td><td>(1xEV-DO, Rev. B, 3.1c)</td><td></td><td>CDMA2000</td><td>8.25</td><td>> 9.8%</td></tr><tr><td>10462</td><td>AAA</td><td>UMTS</td><td>FDD</td><td>(HSPA, R90c-d)</td><td></td><td>WCDMA</td><td>2.39</td><td>> 9.8%</td></tr><tr><td>10461</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.82</td><td>> 9.8%</td></tr><tr><td>10462</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.30</td><td>> 9.8%</td></tr><tr><td>10463</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.30</td><td>> 9.8%</td></tr><tr><td>10464</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.82</td><td>> 9.8%</td></tr><tr><td>10465</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10466</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10467</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.82</td><td>> 9.8%</td></tr><tr><td>10468</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10469</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10474</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10475</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10477</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10478</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10479</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.74</td><td>> 9.8%</td></tr><tr><td>10480</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.18</td><td>> 9.8%</td></tr><tr><td>10481</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.18</td><td>> 9.8%</td></tr><tr><td>10482</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.71</td><td>> 9.8%</td></tr><tr><td>10483</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10484</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.47</td><td>> 9.8%</td></tr><tr><td>10485</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.89</td><td>> 9.8%</td></tr><tr><td>10486</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10487</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.40</td><td>> 9.8%</td></tr><tr><td>10488</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.70</td><td>> 9.8%</td></tr></table> Certificate No. EX3-7346_Mar22Page 15 of 24	10414	AAA	WLAN	CDP	64-QAM	40MHz	Generic	8.54	> 9.8%	10415	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 1 Mbps, R90c-d)	WLAN	1.54	> 9.8%	10416	AAA	IEEE 802.11g	WIFI	2.4 GHz	(OFDM, 5.5 Mbps, R90c-d)	WLAN	8.23	> 9.8%	10417	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 6 Mbps, R90c-d)	WLAN	8.23	> 9.8%	10418	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 6 Mbps, R90c-d)	WLAN	8.14	> 9.8%	10419	AAA	IEEE 802.11g	WIFI	2.4 GHz	(DSSS-OFDM, 8 Mbps, R90c-d)	WLAN	8.19	> 9.8%	10420	AAC	IEEE 802.11n	HT	Overhead	7.2 Mbps, R90c-d	WLAN	8.32	> 9.8%	10421	AAC	IEEE 802.11n	HT	Overhead	6.3 Mbps, 16-QAM	WLAN	8.47	> 9.8%	10424	AAC	IEEE 802.11n	HT	Overhead	7.2 Mbps, 64-QAM	WLAN	8.40	> 9.8%	10425	AAC	IEEE 802.11n	HT	Overhead	14 Mbps, R90c-d	WLAN	8.34	> 9.8%	10428	AAC	IEEE 802.11n	HT	Overhead	30 Mbps, 16-QAM	WLAN	8.45	> 9.8%	10427	AAC	IEEE 802.11n	HT	Overhead	130 Mbps, 64-QAM	WLAN	8.41	> 9.8%	10432	AAD	LTE-FDD	OFDMA	5 MHz	E-UTRA 3.1	LTE-FDD	8.38	> 9.8%	10431	AAD	LTE-FDD	OFDMA	10 MHz	E-UTRA 3.1	LTE-FDD	8.38	> 9.8%	10432	AAC	LTE-FDD	OFDMA	15 MHz	E-UTRA 3.1	LTE-FDD	8.34	> 9.8%	10433	AAC	LTE-FDD	OFDMA	20 MHz	E-UTRA 3.1	LTE-FDD	8.34	> 9.8%	10434	AAA	WCDMA	(BS Test Model 1, 64 DPCCH)		WCDMA	8.80	> 9.8%	10435	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.82	> 9.8%	10447	AAD	LTE-FDD	OFDMA	5 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.86	> 9.8%	10448	AAD	LTE-FDD	OFDMA	10 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.93	> 9.8%	10449	AAC	LTE-FDD	OFDMA	15 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.91	> 9.8%	10450	AAC	LTE-FDD	OFDMA	20 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.88	> 9.8%	10451	AAA	WCDMA	(BS Test Model 1, 64 DPCCH, CQing 44%)		WCDMA	7.89	> 9.8%	10452	AAD	Validation	(Signatures, 10ms, 1ms)		Test	10.90	> 9.8%	10458	AAA	IEEE 802.11ac	WIFI	160MHz	64-QAM, R90c-d	WLAN	8.63	> 9.8%	10457	AAA	UMTS	FDD	(SC-HSPA)		WCDMA	6.62	> 9.8%	10459	AAA	CDMA2000	(1xEV-DO, Rev. B, 3.1c)		CDMA2000	8.58	> 9.8%	10459	AAA	CDMA2000	(1xEV-DO, Rev. B, 3.1c)		CDMA2000	8.25	> 9.8%	10462	AAA	UMTS	FDD	(HSPA, R90c-d)		WCDMA	2.39	> 9.8%	10461	AAB	LTE-TDD	(SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL, Sub)		LTE-TDD	7.82	> 9.8%	10462	AAB	LTE-TDD	(SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.30	> 9.8%	10463	AAB	LTE-TDD	(SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.30	> 9.8%	10464	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.82	> 9.8%	10465	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10466	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10467	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	7.82	> 9.8%	10468	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10469	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	8.32	> 9.8%	10474	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10475	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10477	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10478	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.32	> 9.8%	10479	AAB	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%	10480	AAB	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.18	> 9.8%	10481	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.18	> 9.8%	10482	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.71	> 9.8%	10483	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.39	> 9.8%	10484	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.47	> 9.8%	10485	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.89	> 9.8%	10486	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.39	> 9.8%	10487	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.40	> 9.8%	10488	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.70	> 9.8%	EX3034-SN-7346 March 30, 2022 <table><tr><td>10489</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.31</td><td>> 9.8%</td></tr><tr><td>10490</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.34</td><td>> 9.8%</td></tr><tr><td>10491</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.74</td><td>> 9.8%</td></tr><tr><td>10492</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.41</td><td>> 9.8%</td></tr><tr><td>10493</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.35</td><td>> 9.8%</td></tr><tr><td>10494</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.74</td><td>> 9.8%</td></tr><tr><td>10495</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.37</td><td>> 9.8%</td></tr><tr><td>10496</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.34</td><td>> 9.8%</td></tr><tr><td>10497</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.67</td><td>> 9.8%</td></tr><tr><td>10498</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.40</td><td>> 9.8%</td></tr><tr><td>10499</td><td>AAB</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.68</td><td>> 9.8%</td></tr><tr><td>10500</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.67</td><td>> 9.8%</td></tr><tr><td>10501</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.44</td><td>> 9.8%</td></tr><tr><td>10502</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.52</td><td>> 9.8%</td></tr><tr><td>10503</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.72</td><td>> 9.8%</td></tr><tr><td>10504</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.31</td><td>> 9.8%</td></tr><tr><td>10505</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.54</td><td>> 9.8%</td></tr><tr><td>10506</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.74</td><td>> 9.8%</td></tr><tr><td>10507</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.36</td><td>> 9.8%</td></tr><tr><td>10508</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.35</td><td>> 9.8%</td></tr><tr><td>10509</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.99</td><td>> 9.8%</td></tr><tr><td>10510</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.49</td><td>> 9.8%</td></tr><tr><td>10511</td><td>AAC</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.51</td><td>> 9.8%</td></tr><tr><td>10512</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)</td><td></td><td>LTE-TDD</td><td>7.74</td><td>> 9.8%</td></tr><tr><td>10513</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.42</td><td>> 9.8%</td></tr><tr><td>10514</td><td>AAF</td><td>LTE-TDD</td><td>(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)</td><td></td><td>LTE-TDD</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10515</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 2 Mbps, R90c-d)</td><td>WLAN</td><td>1.58</td><td>> 9.8%</td></tr><tr><td>10516</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 5.5 Mbps, R90c-d)</td><td>WLAN</td><td>1.57</td><td>> 9.8%</td></tr><tr><td>10517</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 11 Mbps, R90c-d)</td><td>WLAN</td><td>1.58</td><td>> 9.8%</td></tr><tr><td>10518</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 6 Mbps, R90c-d)</td><td>WLAN</td><td>8.23</td><td>> 9.8%</td></tr><tr><td>10519</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 12 Mbps, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10520</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 18 Mbps, R90c-d)</td><td>WLAN</td><td>8.12</td><td>> 9.8%</td></tr><tr><td>10521</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 24 Mbps, R90c-d)</td><td>WLAN</td><td>7.97</td><td>> 9.8%</td></tr><tr><td>10522</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 36 Mbps, R90c-d)</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10523</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 48 Mbps, R90c-d)</td><td>WLAN</td><td>8.38</td><td>> 9.8%</td></tr><tr><td>10524</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, 54 Mbps, R90c-d)</td><td>WLAN</td><td>8.27</td><td>> 9.8%</td></tr><tr><td>10525</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS1, R90c-d)</td><td>WLAN</td><td>8.36</td><td>> 9.8%</td></tr><tr><td>10526</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS1, R90c-d)</td><td>WLAN</td><td>8.42</td><td>> 9.8%</td></tr><tr><td>10527</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS2, R90c-d)</td><td>WLAN</td><td>8.21</td><td>> 9.8%</td></tr><tr><td>10528</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS3, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10529</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS4, R90c-d)</td><td>WLAN</td><td>8.36</td><td>> 9.8%</td></tr><tr><td>10530</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS5, R90c-d)</td><td>WLAN</td><td>8.36</td><td>> 9.8%</td></tr><tr><td>10531</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS7, R90c-d)</td><td>WLAN</td><td>8.29</td><td>> 9.8%</td></tr><tr><td>10532</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS8, R90c-d)</td><td>WLAN</td><td>8.29</td><td>> 9.8%</td></tr><tr><td>10533</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS9, R90c-d)</td><td>WLAN</td><td>8.30</td><td>> 9.8%</td></tr><tr><td>10534</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS10, R90c-d)</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10535</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS11, R90c-d)</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10536</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS12, R90c-d)</td><td>WLAN</td><td>8.32</td><td>> 9.8%</td></tr><tr><td>10537</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS13, R90c-d)</td><td>WLAN</td><td>8.44</td><td>> 9.8%</td></tr><tr><td>10538</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS14, R90c-d)</td><td>WLAN</td><td>8.54</td><td>> 9.8%</td></tr><tr><td>10539</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS15, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10540</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS16, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10541</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS17, R90c-d)</td><td>WLAN</td><td>8.46</td><td>> 9.8%</td></tr><tr><td>10542</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS18, R90c-d)</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10543</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS19, R90c-d)</td><td>WLAN</td><td>8.55</td><td>> 9.8%</td></tr><tr><td>10544</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS20, R90c-d)</td><td>WLAN</td><td>8.47</td><td>> 9.8%</td></tr><tr><td>10545</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS21, R90c-d)</td><td>WLAN</td><td>8.55</td><td>> 9.8%</td></tr><tr><td>10546</td><td>AAC</td><td>IEEE 802.11ac</td><td>WIFI</td><td>160MHz</td><td>(MCS22, R90c-d)</td><td>WLAN</td><td>8.35</td><td>> 9.8%</td></tr></table> Certificate No. EX3-7346_Mar22Page 16 of 24	10489	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.31	> 9.8%	10490	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.34	> 9.8%	10491	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%	10492	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.41	> 9.8%	10493	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.35	> 9.8%	10494	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%	10495	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.37	> 9.8%	10496	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.34	> 9.8%	10497	AAB	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.67	> 9.8%	10498	AAB	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.40	> 9.8%	10499	AAB	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.68	> 9.8%	10500	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.67	> 9.8%	10501	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.44	> 9.8%	10502	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.52	> 9.8%	10503	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.72	> 9.8%	10504	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.31	> 9.8%	10505	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.54	> 9.8%	10506	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%	10507	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.36	> 9.8%	10508	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.35	> 9.8%	10509	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.99	> 9.8%	10510	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.49	> 9.8%	10511	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.51	> 9.8%	10512	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%	10513	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.42	> 9.8%	10514	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.45	> 9.8%	10515	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 2 Mbps, R90c-d)	WLAN	1.58	> 9.8%	10516	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 5.5 Mbps, R90c-d)	WLAN	1.57	> 9.8%	10517	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 11 Mbps, R90c-d)	WLAN	1.58	> 9.8%	10518	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 6 Mbps, R90c-d)	WLAN	8.23	> 9.8%	10519	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 12 Mbps, R90c-d)	WLAN	8.39	> 9.8%	10520	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 18 Mbps, R90c-d)	WLAN	8.12	> 9.8%	10521	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 24 Mbps, R90c-d)	WLAN	7.97	> 9.8%	10522	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 36 Mbps, R90c-d)	WLAN	8.45	> 9.8%	10523	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 48 Mbps, R90c-d)	WLAN	8.38	> 9.8%	10524	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 54 Mbps, R90c-d)	WLAN	8.27	> 9.8%	10525	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS1, R90c-d)	WLAN	8.36	> 9.8%	10526	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS1, R90c-d)	WLAN	8.42	> 9.8%	10527	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS2, R90c-d)	WLAN	8.21	> 9.8%	10528	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS3, R90c-d)	WLAN	8.39	> 9.8%	10529	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS4, R90c-d)	WLAN	8.36	> 9.8%	10530	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS5, R90c-d)	WLAN	8.36	> 9.8%	10531	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS7, R90c-d)	WLAN	8.29	> 9.8%	10532	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS8, R90c-d)	WLAN	8.29	> 9.8%	10533	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS9, R90c-d)	WLAN	8.30	> 9.8%	10534	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS10, R90c-d)	WLAN	8.45	> 9.8%	10535	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS11, R90c-d)	WLAN	8.45	> 9.8%	10536	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS12, R90c-d)	WLAN	8.32	> 9.8%	10537	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS13, R90c-d)	WLAN	8.44	> 9.8%	10538	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS14, R90c-d)	WLAN	8.54	> 9.8%	10539	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS15, R90c-d)	WLAN	8.39	> 9.8%	10540	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS16, R90c-d)	WLAN	8.39	> 9.8%	10541	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS17, R90c-d)	WLAN	8.46	> 9.8%	10542	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS18, R90c-d)	WLAN	8.45	> 9.8%	10543	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS19, R90c-d)	WLAN	8.55	> 9.8%	10544	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS20, R90c-d)	WLAN	8.47	> 9.8%	10545	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS21, R90c-d)	WLAN	8.55	> 9.8%	10546	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS22, R90c-d)	WLAN	8.35	> 9.8%
10414	AAA	WLAN	CDP	64-QAM	40MHz	Generic	8.54	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10415	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 1 Mbps, R90c-d)	WLAN	1.54	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10416	AAA	IEEE 802.11g	WIFI	2.4 GHz	(OFDM, 5.5 Mbps, R90c-d)	WLAN	8.23	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10417	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 6 Mbps, R90c-d)	WLAN	8.23	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10418	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 6 Mbps, R90c-d)	WLAN	8.14	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10419	AAA	IEEE 802.11g	WIFI	2.4 GHz	(DSSS-OFDM, 8 Mbps, R90c-d)	WLAN	8.19	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10420	AAC	IEEE 802.11n	HT	Overhead	7.2 Mbps, R90c-d	WLAN	8.32	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10421	AAC	IEEE 802.11n	HT	Overhead	6.3 Mbps, 16-QAM	WLAN	8.47	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10424	AAC	IEEE 802.11n	HT	Overhead	7.2 Mbps, 64-QAM	WLAN	8.40	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10425	AAC	IEEE 802.11n	HT	Overhead	14 Mbps, R90c-d	WLAN	8.34	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10428	AAC	IEEE 802.11n	HT	Overhead	30 Mbps, 16-QAM	WLAN	8.45	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10427	AAC	IEEE 802.11n	HT	Overhead	130 Mbps, 64-QAM	WLAN	8.41	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10432	AAD	LTE-FDD	OFDMA	5 MHz	E-UTRA 3.1	LTE-FDD	8.38	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10431	AAD	LTE-FDD	OFDMA	10 MHz	E-UTRA 3.1	LTE-FDD	8.38	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10432	AAC	LTE-FDD	OFDMA	15 MHz	E-UTRA 3.1	LTE-FDD	8.34	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10433	AAC	LTE-FDD	OFDMA	20 MHz	E-UTRA 3.1	LTE-FDD	8.34	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10434	AAA	WCDMA	(BS Test Model 1, 64 DPCCH)		WCDMA	8.80	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10435	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.82	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10447	AAD	LTE-FDD	OFDMA	5 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.86	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10448	AAD	LTE-FDD	OFDMA	10 MHz	E-UTRA 3.1, CQing 44%	LTE-FDD	7.93	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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10503	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.72	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10504	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.31	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10505	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.54	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10506	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10507	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.36	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10508	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.35	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10509	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.99	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10510	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.49	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10511	AAC	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.51	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10512	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, QPSK, UL, Sub)		LTE-TDD	7.74	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10513	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 16-QAM, UL, Sub)		LTE-TDD	8.42	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10514	AAF	LTE-TDD	(SC-FDMA, 1 RB, 3.1 MHz, 64-QAM, UL, Sub)		LTE-TDD	8.45	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
10515	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 2 Mbps, R90c-d)	WLAN	1.58	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10516	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 5.5 Mbps, R90c-d)	WLAN	1.57	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10517	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 11 Mbps, R90c-d)	WLAN	1.58	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10518	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 6 Mbps, R90c-d)	WLAN	8.23	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10519	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 12 Mbps, R90c-d)	WLAN	8.39	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10520	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 18 Mbps, R90c-d)	WLAN	8.12	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10521	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 24 Mbps, R90c-d)	WLAN	7.97	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10522	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 36 Mbps, R90c-d)	WLAN	8.45	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10523	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 48 Mbps, R90c-d)	WLAN	8.38	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10524	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, 54 Mbps, R90c-d)	WLAN	8.27	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10525	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS1, R90c-d)	WLAN	8.36	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10526	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS1, R90c-d)	WLAN	8.42	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10527	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS2, R90c-d)	WLAN	8.21	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10528	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS3, R90c-d)	WLAN	8.39	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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10530	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS5, R90c-d)	WLAN	8.36	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10531	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS7, R90c-d)	WLAN	8.29	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10532	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS8, R90c-d)	WLAN	8.29	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10533	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS9, R90c-d)	WLAN	8.30	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10534	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS10, R90c-d)	WLAN	8.45	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10535	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS11, R90c-d)	WLAN	8.45	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10536	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS12, R90c-d)	WLAN	8.32	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10537	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS13, R90c-d)	WLAN	8.44	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10538	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS14, R90c-d)	WLAN	8.54	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10539	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS15, R90c-d)	WLAN	8.39	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10540	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS16, R90c-d)	WLAN	8.39	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10541	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS17, R90c-d)	WLAN	8.46	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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10543	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS19, R90c-d)	WLAN	8.55	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10544	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS20, R90c-d)	WLAN	8.47	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10545	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS21, R90c-d)	WLAN	8.55	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10546	AAC	IEEE 802.11ac	WIFI	160MHz	(MCS22, R90c-d)	WLAN	8.35	> 9.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
EX3034-SN-7346 March 30, 2022 <table><tr><td>10547</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS1, R90c-d)</td><td>WLAN</td><td>8.49</td><td>> 9.8%</td></tr><tr><td>10548</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS2, R90c-d)</td><td>WLAN</td><td>8.37</td><td>> 9.8%</td></tr><tr><td>10549</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS3, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10550</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS4, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10551</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS5, R90c-d)</td><td>WLAN</td><td>8.39</td><td>> 9.8%</td></tr><tr><td>10552</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS6, R90c-d)</td><td>WLAN</td><td>8.42</td><td>> 9.8%</td></tr><tr><td>10553</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS7, R90c-d)</td><td>WLAN</td><td>8.42</td><td>> 9.8%</td></tr><tr><td>10554</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS8, R90c-d)</td><td>WLAN</td><td>8.48</td><td>> 9.8%</td></tr><tr><td>10555</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS9, R90c-d)</td><td>WLAN</td><td>8.47</td><td>> 9.8%</td></tr><tr><td>10556</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS10, R90c-d)</td><td>WLAN</td><td>8.47</td><td>> 9.8%</td></tr><tr><td>10557</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS11, R90c-d)</td><td>WLAN</td><td>8.52</td><td>> 9.8%</td></tr><tr><td>10558</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS12, R90c-d)</td><td>WLAN</td><td>8.50</td><td>> 9.8%</td></tr><tr><td>10559</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS13, R90c-d)</td><td>WLAN</td><td>8.52</td><td>> 9.8%</td></tr><tr><td>10560</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS14, R90c-d)</td><td>WLAN</td><td>8.53</td><td>> 9.8%</td></tr><tr><td>10561</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS15, R90c-d)</td><td>WLAN</td><td>8.56</td><td>> 9.8%</td></tr><tr><td>10562</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS16, R90c-d)</td><td>WLAN</td><td>8.69</td><td>> 9.8%</td></tr><tr><td>10563</td><td>AAC</td><td>IEEE 802.11ah</td><td>WIFI</td><td>5 GHz</td><td>(OFDM, MCS17, R90c-d)</td><td>WLAN</td><td>8.77</td><td>> 9.8%</td></tr><tr><td>10564</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 1 Mbps, R90c-d)</td><td>WLAN</td><td>1.59</td><td>> 9.8%</td></tr><tr><td>10565</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS, 2 Mbps, R90c-d)</td><td>WLAN</td><td>8.23</td><td>> 9.8%</td></tr><tr><td>10566</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 12 Mbps, R90c-d)</td><td>WLAN</td><td>8.45</td><td>> 9.8%</td></tr><tr><td>10567</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 18 Mbps, R90c-d)</td><td>WLAN</td><td>8.13</td><td>> 9.8%</td></tr><tr><td>10568</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 24 Mbps, R90c-d)</td><td>WLAN</td><td>8.20</td><td>> 9.8%</td></tr><tr><td>10569</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 36 Mbps, R90c-d)</td><td>WLAN</td><td>8.37</td><td>> 9.8%</td></tr><tr><td>10570</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 48 Mbps, R90c-d)</td><td>WLAN</td><td>8.10</td><td>> 9.8%</td></tr><tr><td>10571</td><td>AAA</td><td>IEEE 802.11b</td><td>WIFI</td><td>2.4 GHz</td><td>(DSSS-OFDM, 54 Mbps, R90c-d)</td><td>WLAN</td><td>8.30</td><td>> 9.8%</td></tr><tr><td>1</td></tr></table>	10547	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS1, R90c-d)	WLAN	8.49	> 9.8%	10548	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS2, R90c-d)	WLAN	8.37	> 9.8%	10549	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS3, R90c-d)	WLAN	8.39	> 9.8%	10550	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS4, R90c-d)	WLAN	8.39	> 9.8%	10551	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS5, R90c-d)	WLAN	8.39	> 9.8%	10552	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS6, R90c-d)	WLAN	8.42	> 9.8%	10553	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS7, R90c-d)	WLAN	8.42	> 9.8%	10554	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS8, R90c-d)	WLAN	8.48	> 9.8%	10555	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS9, R90c-d)	WLAN	8.47	> 9.8%	10556	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS10, R90c-d)	WLAN	8.47	> 9.8%	10557	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS11, R90c-d)	WLAN	8.52	> 9.8%	10558	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS12, R90c-d)	WLAN	8.50	> 9.8%	10559	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS13, R90c-d)	WLAN	8.52	> 9.8%	10560	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS14, R90c-d)	WLAN	8.53	> 9.8%	10561	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS15, R90c-d)	WLAN	8.56	> 9.8%	10562	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS16, R90c-d)	WLAN	8.69	> 9.8%	10563	AAC	IEEE 802.11ah	WIFI	5 GHz	(OFDM, MCS17, R90c-d)	WLAN	8.77	> 9.8%	10564	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 1 Mbps, R90c-d)	WLAN	1.59	> 9.8%	10565	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS, 2 Mbps, R90c-d)	WLAN	8.23	> 9.8%	10566	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 12 Mbps, R90c-d)	WLAN	8.45	> 9.8%	10567	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 18 Mbps, R90c-d)	WLAN	8.13	> 9.8%	10568	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 24 Mbps, R90c-d)	WLAN	8.20	> 9.8%	10569	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 36 Mbps, R90c-d)	WLAN	8.37	> 9.8%	10570	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 48 Mbps, R90c-d)	WLAN	8.10	> 9.8%	10571	AAA	IEEE 802.11b	WIFI	2.4 GHz	(DSSS-OFDM, 54 Mbps, R90c-d)	WLAN	8.30	> 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EXCIV4-SN 7346 March 30, 2022 15985 AAA 50 NR DL (CP-CFOM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.54 ± 9.8 % 15986 AAA 50 NR DL (CP-CFOM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.50 ± 9.8 % 15987 AAA 50 NR DL (CP-CFOM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.50 ± 9.8 % 15988 AAA 50 NR DL (CP-CFOM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.38 ± 9.8 % 15989 AAA 50 NR DL (CP-CFOM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.33 ± 9.8 % 15990 AAA 50 NR DL (CP-CFOM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.52 ± 9.8 % ¹ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value. Certificate No. EXC-7346_Mar22 Page 24 of 24	EXCIV4-SN 7346 March 30, 2022 15985 AAA 50 NR DL (CP-CFOM, TM 3.1, 40 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.54 ± 9.8 % 15986 AAA 50 NR DL (CP-CFOM, TM 3.1, 50 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.50 ± 9.8 % 15987 AAA 50 NR DL (CP-CFOM, TM 3.1, 60 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.50 ± 9.8 % 15988 AAA 50 NR DL (CP-CFOM, TM 3.1, 70 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.38 ± 9.8 % 15989 AAA 50 NR DL (CP-CFOM, TM 3.1, 80 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.33 ± 9.8 % 15990 AAA 50 NR DL (CP-CFOM, TM 3.1, 90 MHz, 64-QAM, 30 kHz) SG NR PR1 TDD 9.52 ± 9.8 % ¹ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value. Certificate No. EXC-7346_Mar22 Page 24 of 24
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4 Impedance and return loss

Dipole CLA150 SN 4025				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	$\Delta\Omega$
2021/4/26	-31.4	/	47.8	/
Dipole D450V3 SN 1103				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	$\Delta\Omega$
2021/4/21	-23	/	57.1	/



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