EMC Test Data

	An ZAZZZ company		
Client:	Avaya	Job Number:	J7865
Madalı	AP 8120	T-Log Number:	T78130
wodei.	AP 0120	Account Manager:	Dean Eriksen
Contact:	Vipin Naik		
Standard:	FCC 15.247	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 2/23/2010 Test Engineer: Mark Hill

General Test Configuration

Calculation uses the free space transmission formula:

 $S = (PG)/(4 \pi d^2)$

Where: S is power density (W/m²), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	7 4 6
Power Density (mW/cm^2)	0.719

Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.



EMC Test Data

	An 2022 Company		
Client:	Avaya	Job Number:	J7865
Model:	AD 0120	T-Log Number:	T78130
	AF 0120	Account Manager:	Dean Eriksen
Contact:	Vipin Naik		
Standard:	FCC 15.247	Class:	N/A

Use: General Use

2.4GHz - 5.41dBi/5.15-5.25GHz - 5.91dBi/5.7-5.8GHz - 5.09dBi

Antenna: Effective Gain for Mimo: 8.41dBi/8.91dBi/8.09 dBi

The system allows for one radio to operate in the 2.4GHz band and one radio to operate in the 5GHz bands simultaneously. It prevents both radios operating in the same band at the same time.

Maximum eirp is calculated as follows:

Uses the average power for each channel (where given), otherwise uses the peak power

Used for Multiple Transmitters

One 2.4GHz and one 5.7GHz operation

Dond	Mode	Outp	ut Power	Antenna	E	IRP	Channels	Channels	Total EIRP	
Band	wode	Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 -										
2483.5	OFDM	25.6	-	8.4	34.0	2.518	11	1	2.518	34.01
2401 -							1 ''	ı	2.510	34.01
2483.5	CCK	-	18.8	5.4	24.2	0.264				
5150 -										
5250	OFDM	-	13.5	8.9	22.4	0.174	4	0	-	-
5725 -										
5850	OFDM	22.3	-	8.1	30.4	1.094	5	1	1.094	30.39
Totals								2	3 612	35 58

One 2.4GHz and one 5.15-5.25GHZ operation

Dand	Mada	Outp	ut Power	Antenna	Е	IRP	Channels Channels		Total EIRP	
Band	Mode	Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm
2400 -										
2483.5	OFDM	25.6	-	8.4	34.0	2.518	11	1	2.518	34.01
2401 -							11	ı	2.310	34.01
2483.5	CCK	-	18.8	5.4	24.2	0.264				
5150 -										
5250	OFDM	-	13.5	8.9	22.4	0.174	4	1	0.174	22.41
5725 -										
5850	OFDM	22.3	-	8.5	30.8	1.208	5	0	-	-
			-			-	Totals:	2	2.692	34.30

Worse Case Condition

	Power Density (S)	MPE Limit
EIRP	at 20 cm	at 20 cm
mW	mW/cm^2	mW/cm^2
3612.00	0.719	1.000