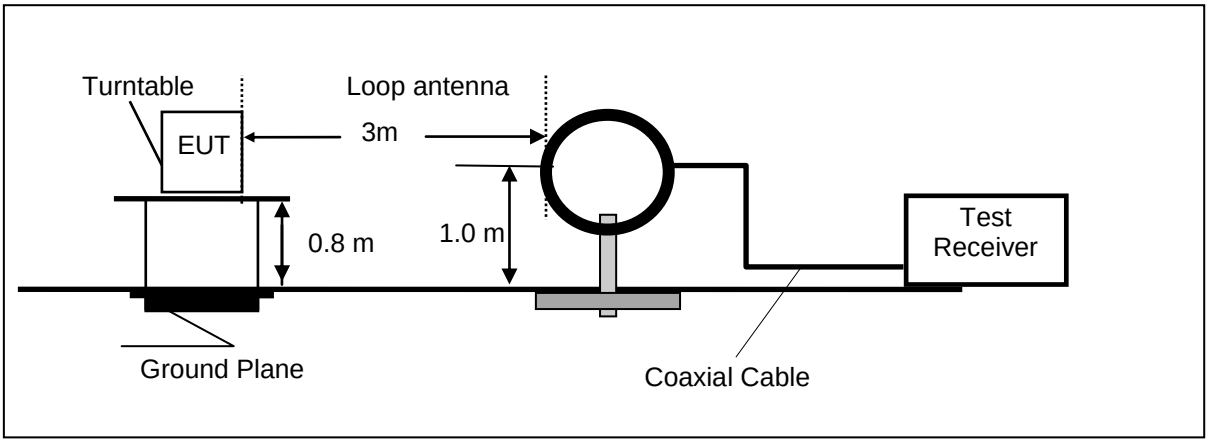
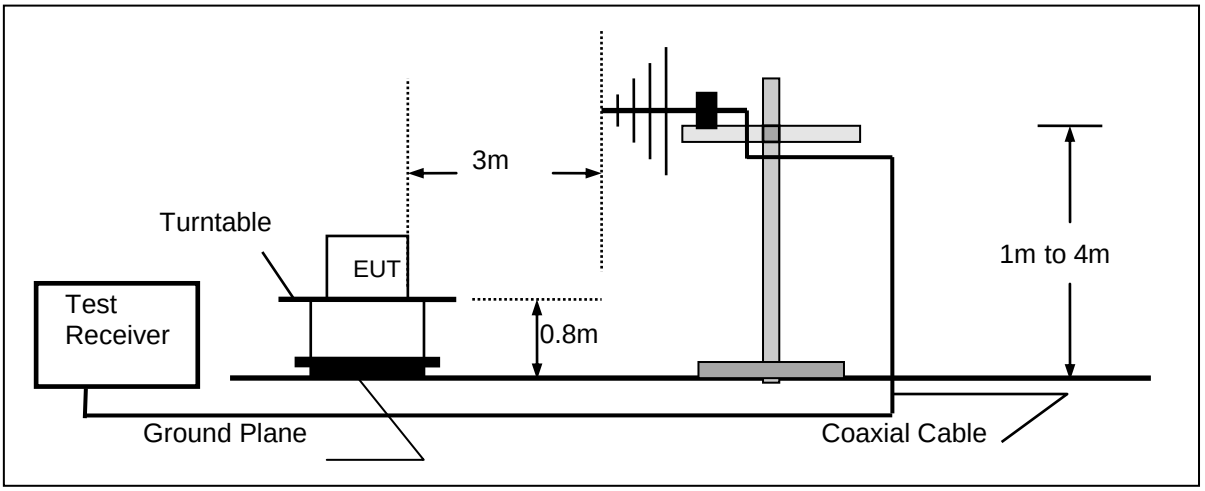
4.2. Radiated Emission

TEST CONFIGURATION

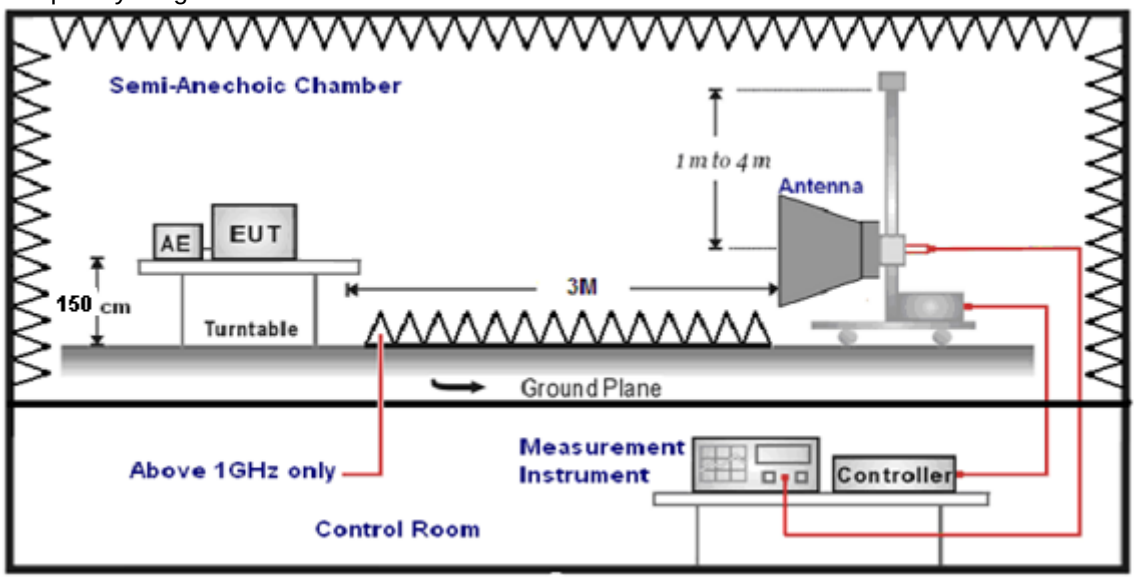
Frequency range 9 KHz – 30MHz



Frequency range 30MHz – 1000MHz



Frequency range above 1GHz



TEST PROCEDURE

1. The EUT was placed on a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –1GHz;the EUT was placed on a turn table which is 1.5m above ground plane when testing above 1GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT minimum operation frequency was 24MHz and maximum operation frequency was 5825MHz.so radiated emission test frequency band from 9KHz to 40GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Anternna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz,Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz,Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz,Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

Transd=AF +CL-AG

RADIATION LIMIT

According to §15.407 (b): Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	682
5725-5850	-27 (beyond 10MHz of the bandedge)	68.2
	-17 (within 10 MHz of band edge)	78.2

Frequency (MHz)	**Distance (Meters)**	**Radiated (dBμV/m)**	**Radiated (μV/m)**
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST RESULTS

Remark: We measured Radiated Emission at all mode from9KHz to 25GHz in AC 120V/60Hz and the worst case was recorded.

Temperature	23.4℃	Humidity	54.5%
Test Engineer	Lushan Kong	Configurations	IEEE 802.11ac20 HCH

For 9 KHz~30MHz

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

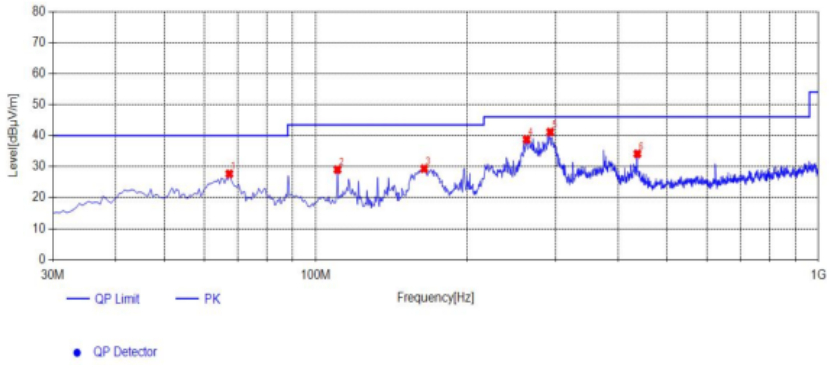
Note:
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

For 30MHz-1GHz
Version A:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

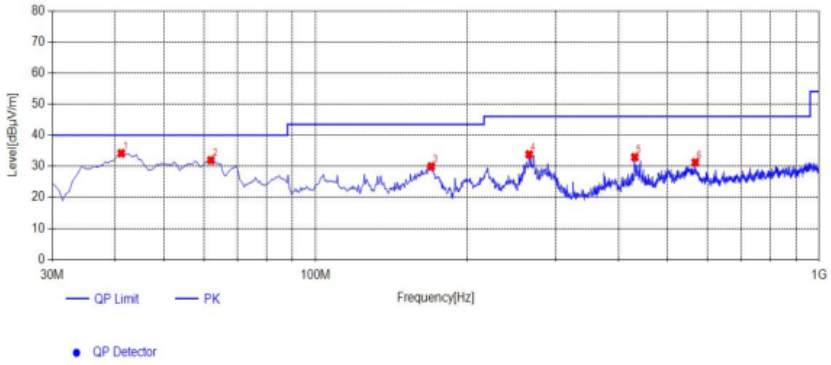
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	67.345	41.03	-13.34	27.69	40.00	12.31	100	111	PK	Horizonta	PASS
2	110.51	40.62	-11.56	29.06	43.50	14.44	100	78	PK	Horizonta	PASS
3	164.345	42.27	-12.92	29.35	43.50	14.15	100	292	PK	Horizonta	PASS
4	262.8	46.94	-8.17	38.77	46.00	7.23	100	335	PK	Horizonta	PASS
5	292.87	48.76	-7.61	41.15	46.00	4.85	100	249	PK	Horizonta	PASS
6	436.43	38.24	-4.13	34.11	46.00	11.89	100	2	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.155	45.94	-11.77	34.17	40.00	5.83	100	89	PK	Vertical	PASS
2	62.01	43.68	-11.76	31.92	40.00	8.08	100	122	PK	Vertical	PASS
3	169.68	42.69	-12.75	29.94	43.50	13.56	100	76	PK	Vertical	PASS
4	265.71	41.88	-8.05	33.83	46.00	12.17	100	145	PK	Vertical	PASS
5	430.61	37.24	-4.32	32.92	46.00	13.08	100	341	PK	Vertical	PASS
6	567.865	32.32	-1.07	31.25	46.00	14.75	100	328	PK	Vertical	PASS

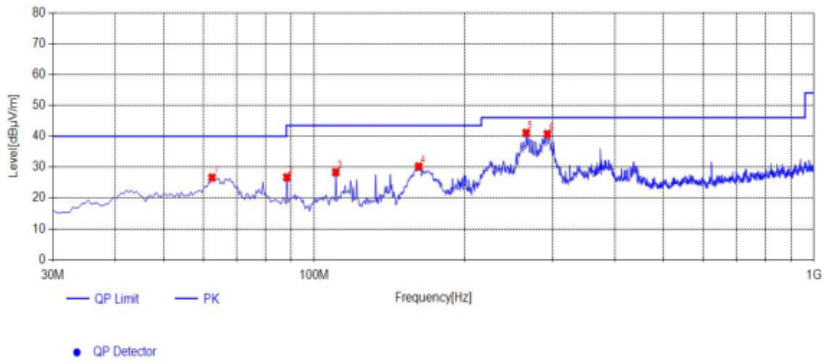
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: SOY-2400150-332-A

Horizontal

Test Graph



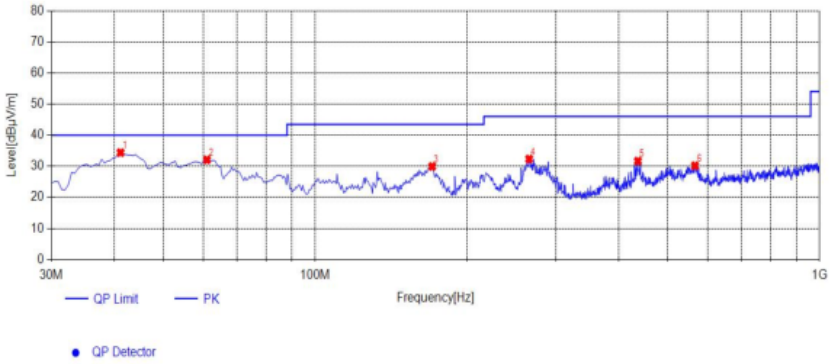
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	62.495	38.51	-11.89	26.62	40.00	13.38	100	298	PK	Horizonta	PASS
2	88.2	40.21	-13.50	26.71	43.50	16.79	100	100	PK	Horizonta	PASS
3	110.51	39.91	-11.56	28.35	43.50	15.15	100	74	PK	Horizonta	PASS
4	161.92	43.28	-13.08	30.20	43.50	13.30	100	301	PK	Horizonta	PASS
5	265.71	49.13	-8.05	41.08	46.00	4.92	100	298	PK	Horizonta	PASS
6	292.87	48.33	-7.61	40.72	46.00	5.28	100	255	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.155	46.15	-11.77	34.38	40.00	5.62	100	271	PK	Vertical	PASS
2	61.04	43.60	-11.54	32.06	40.00	7.94	100	127	PK	Vertical	PASS
3	170.65	42.64	-12.71	29.93	43.50	13.57	100	71	PK	Vertical	PASS
4	265.71	40.38	-8.05	32.33	46.00	13.67	100	147	PK	Vertical	PASS
5	436.43	35.81	-4.13	31.68	46.00	14.32	100	340	PK	Vertical	PASS
6	566.41	31.26	-1.09	30.17	46.00	15.83	100	331	PK	Vertical	PASS

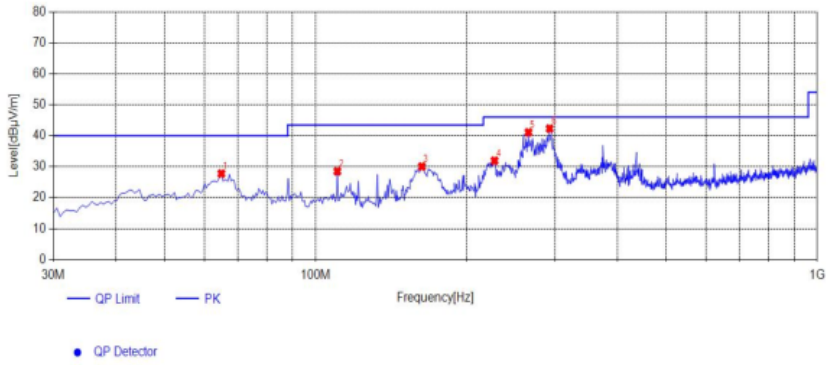
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



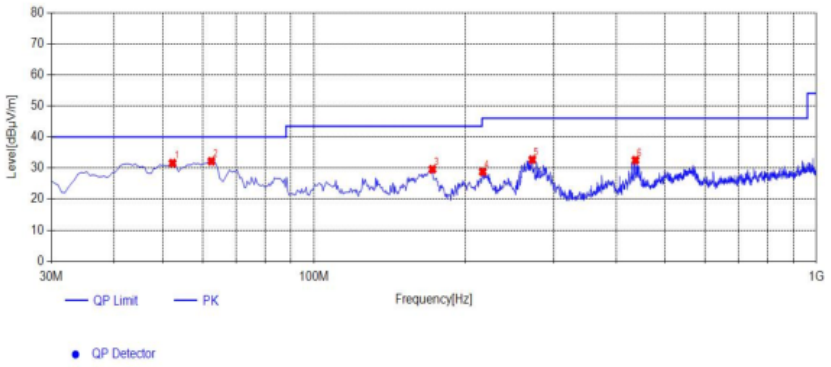
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	64.92	40.41	-12.63	27.78	40.00	12.22	100	88	PK	Horizonta	PASS
2	110.51	40.07	-11.56	28.51	43.50	14.99	100	101	PK	Horizonta	PASS
3	162.89	43.07	-13.02	30.05	43.50	13.45	100	289	PK	Horizonta	PASS
4	227.395	41.31	-9.37	31.94	46.00	14.06	100	35	PK	Horizonta	PASS
5	265.71	49.14	-8.05	41.09	46.00	4.91	100	302	PK	Horizonta	PASS
6	292.87	49.92	-7.61	42.31	46.00	3.69	100	240	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	52.31	42.57	-10.98	31.59	40.00	8.41	100	78	PK	Vertical	PASS
2	62.495	44.06	-11.89	32.17	40.00	7.83	100	174	PK	Vertical	PASS
3	172.105	42.26	-12.66	29.60	43.50	13.90	100	78	PK	Vertical	PASS
4	216.725	38.51	-9.70	28.81	46.00	17.19	100	167	PK	Vertical	PASS
5	272.015	40.56	-7.86	32.70	46.00	13.30	100	133	PK	Vertical	PASS
6	436.43	36.66	-4.13	32.53	46.00	13.47	100	351	PK	Vertical	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

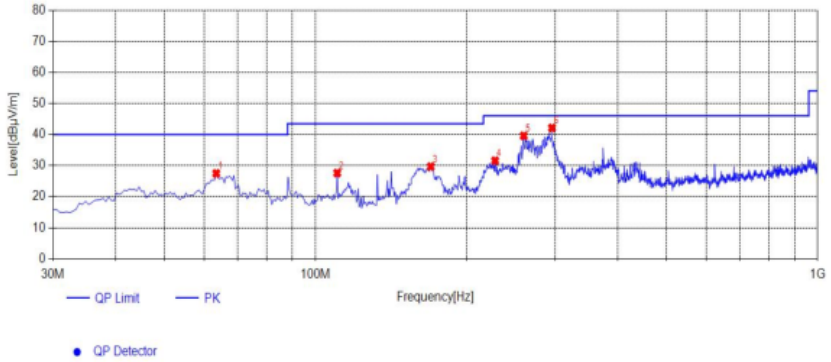
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version B:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



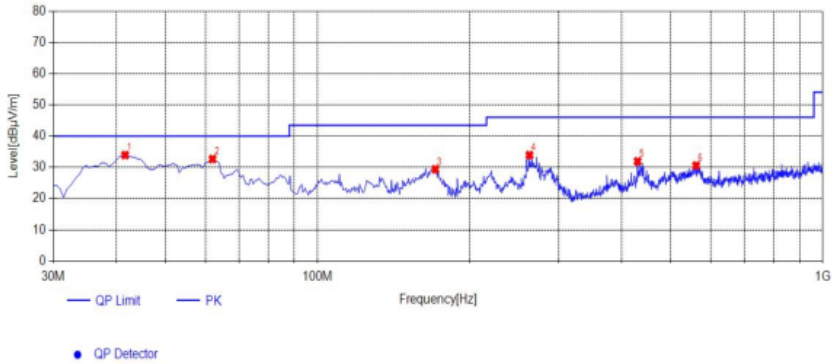
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	63.465	39.67	-12.18	27.49	40.00	12.51	100	301	PK	Horizonta	PASS
2	110.51	39.16	-11.56	27.60	43.50	15.90	100	78	PK	Horizonta	PASS
3	169.68	42.43	-12.75	29.68	43.50	13.82	100	278	PK	Horizonta	PASS
4	227.88	40.94	-9.36	31.58	46.00	14.42	100	15	PK	Horizonta	PASS
5	259.89	47.87	-8.28	39.59	46.00	6.41	100	311	PK	Horizonta	PASS
6	295.78	49.71	-7.58	42.13	46.00	3.87	100	200	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	45.60	-11.68	33.92	40.00	6.08	100	9	PK	Vertical	PASS
2	62.01	44.40	-11.76	32.64	40.00	7.36	100	174	PK	Vertical	PASS
3	171.135	42.06	-12.69	29.37	43.50	14.13	100	66	PK	Vertical	PASS
4	262.8	42.09	-8.17	33.92	46.00	12.08	100	151	PK	Vertical	PASS
5	430.125	36.24	-4.33	31.91	46.00	14.09	100	328	PK	Vertical	PASS
6	561.56	31.76	-1.19	30.57	46.00	15.43	100	328	PK	Vertical	PASS

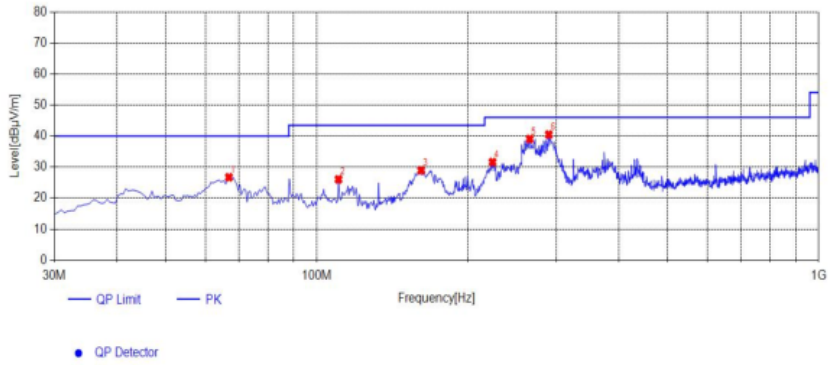
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: SOY-2400150-332-A

Horizontal

Test Graph



Suspected List

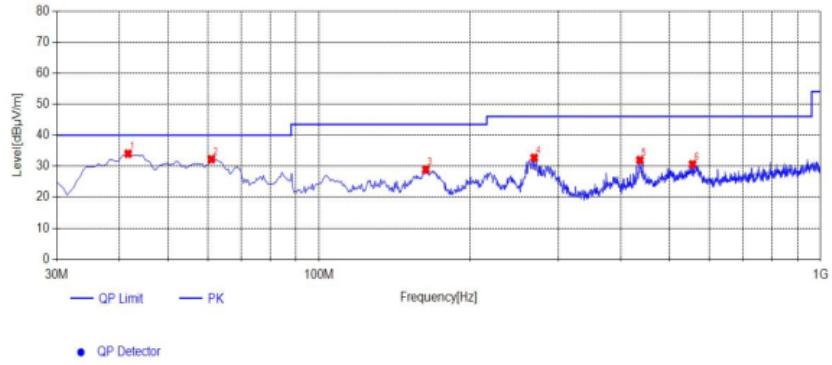
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	66.86	39.92	-13.20	26.72	40.00	13.28	100	98	PK	Horizonta	PASS
2	110.51	37.61	-11.56	26.05	43.50	17.45	100	62	PK	Horizonta	PASS
3	161.435	42.07	-13.12	28.95	43.50	14.55	100	295	PK	Horizonta	PASS
4	224	41.06	-9.44	31.62	46.00	14.38	100	9	PK	Horizonta	PASS
5	265.71	47.10	-8.05	39.05	46.00	6.95	100	305	PK	Horizonta	PASS
6	289.96	48.14	-7.66	40.48	46.00	5.52	100	266	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	45.71	-11.68	34.03	40.00	5.97	100	282	PK	Vertical	PASS
2	61.04	43.77	-11.54	32.23	40.00	7.77	100	196	PK	Vertical	PASS
3	163.375	41.93	-12.98	28.95	43.50	14.55	100	229	PK	Vertical	PASS
4	268.62	40.65	-7.93	32.72	46.00	13.28	100	143	PK	Vertical	PASS
5	436.43	36.10	-4.13	31.97	46.00	14.03	100	354	PK	Vertical	PASS
6	555.74	31.95	-1.33	30.62	46.00	15.38	100	336	PK	Vertical	PASS

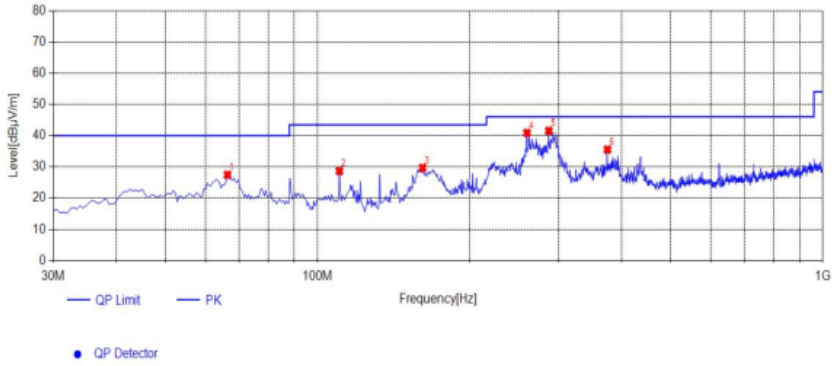
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



Suspected List

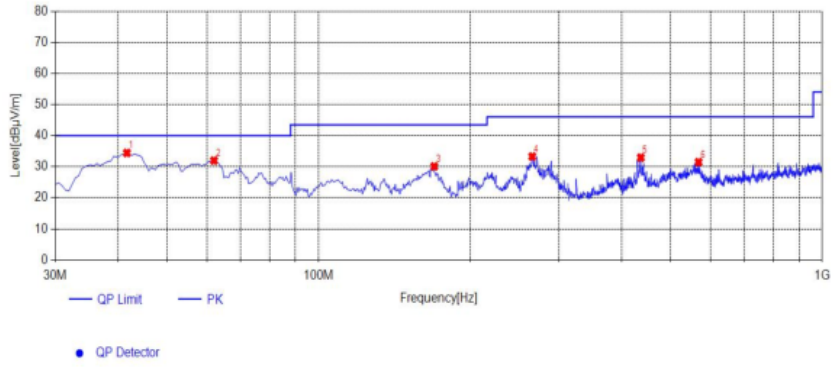
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	66.375	40.53	-13.06	27.47	40.00	12.53	100	72	PK	Horizonta	PASS
2	110.51	40.25	-11.56	28.69	43.50	14.81	100	102	PK	Horizonta	PASS
3	161.435	42.78	-13.12	29.66	43.50	13.84	100	289	PK	Horizonta	PASS
4	259.89	49.14	-8.28	40.86	46.00	5.14	100	322	PK	Horizonta	PASS
5	287.05	49.22	-7.70	41.52	46.00	4.48	100	246	PK	Horizonta	PASS
6	374.835	41.26	-5.71	35.55	46.00	10.45	100	207	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	46.12	-11.68	34.44	40.00	5.56	100	3	PK	Vertical	PASS
2	62.01	43.72	-11.76	31.96	40.00	8.04	100	168	PK	Vertical	PASS
3	169.68	42.84	-12.75	30.09	43.50	13.41	100	69	PK	Vertical	PASS
4	265.71	41.34	-8.05	33.29	46.00	12.71	100	135	PK	Vertical	PASS
5	436.43	37.06	-4.13	32.93	46.00	13.07	100	340	PK	Vertical	PASS
6	568.35	32.54	-1.06	31.48	46.00	14.52	100	323	PK	Vertical	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

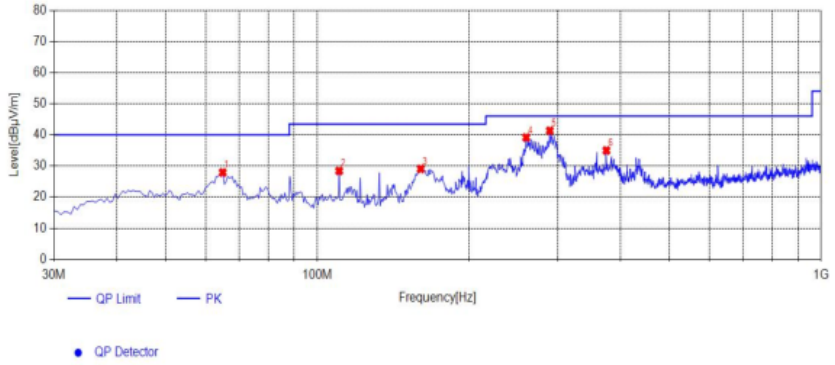
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version C:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

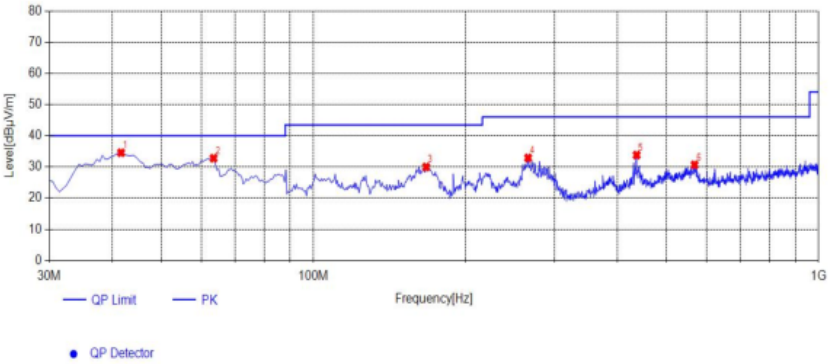
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	64.92	40.55	-12.63	27.92	40.00	12.08	100	291	PK	Horizonta	PASS
2	110.51	39.98	-11.56	28.42	43.50	15.08	100	111	PK	Horizonta	PASS
3	160.465	42.26	-13.18	29.08	43.50	14.42	100	321	PK	Horizonta	PASS
4	259.89	47.43	-8.28	39.15	46.00	6.85	100	327	PK	Horizonta	PASS
5	289.475	49.00	-7.66	41.34	46.00	4.66	100	255	PK	Horizonta	PASS
6	374.835	40.69	-5.71	34.98	46.00	11.02	100	242	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	46.23	-11.68	34.55	40.00	5.45	100	358	PK	Vertical	PASS
2	63.465	44.97	-12.18	32.79	40.00	7.21	100	187	PK	Vertical	PASS
3	167.255	42.80	-12.81	29.99	43.50	13.51	100	66	PK	Vertical	PASS
4	266.195	40.93	-8.03	32.90	46.00	13.10	100	154	PK	Vertical	PASS
5	436.43	37.94	-4.13	33.81	46.00	12.19	100	338	PK	Vertical	PASS
6	568.35	31.75	-1.06	30.69	46.00	15.31	100	325	PK	Vertical	PASS

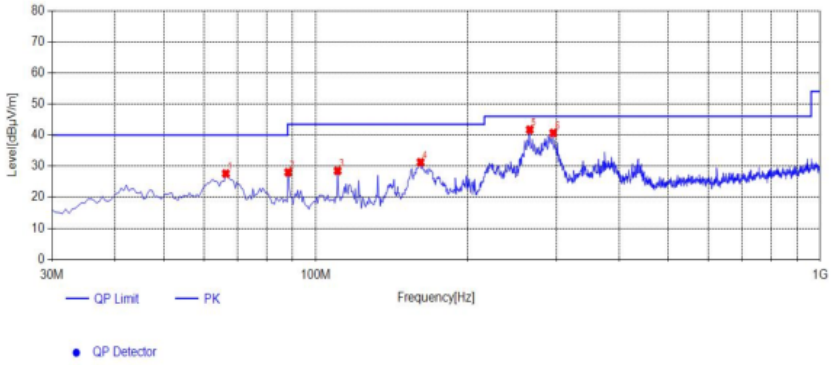
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: SOY-2400150-332-A

Horizontal

Test Graph



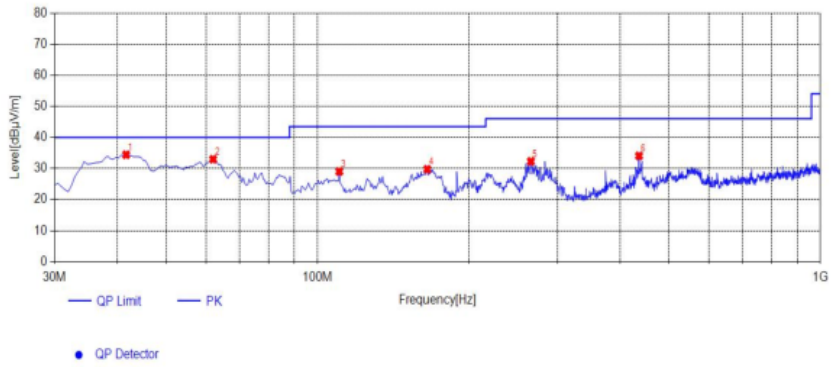
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	66.375	40.67	-13.06	27.61	40.00	12.39	100	285	PK	Horizonta	PASS
2	88.2	41.53	-13.50	28.03	43.50	15.47	100	111	PK	Horizonta	PASS
3	110.51	40.06	-11.56	28.50	43.50	15.00	100	88	PK	Horizonta	PASS
4	161.435	44.39	-13.12	31.27	43.50	12.23	100	308	PK	Horizonta	PASS
5	265.71	49.79	-8.05	41.74	46.00	4.26	100	295	PK	Horizonta	PASS
6	295.78	48.26	-7.58	40.68	46.00	5.32	100	249	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	46.11	-11.68	34.43	40.00	5.57	100	285	PK	Vertical	PASS
2	62.01	44.73	-11.76	32.97	40.00	7.03	100	131	PK	Vertical	PASS
3	110.51	40.61	-11.56	29.05	43.50	14.45	100	144	PK	Vertical	PASS
4	165.315	42.61	-12.85	29.76	43.50	13.74	100	68	PK	Vertical	PASS
5	265.71	40.33	-8.05	32.28	46.00	13.72	100	137	PK	Vertical	PASS
6	435.945	38.21	-4.16	34.05	46.00	11.95	100	338	PK	Vertical	PASS

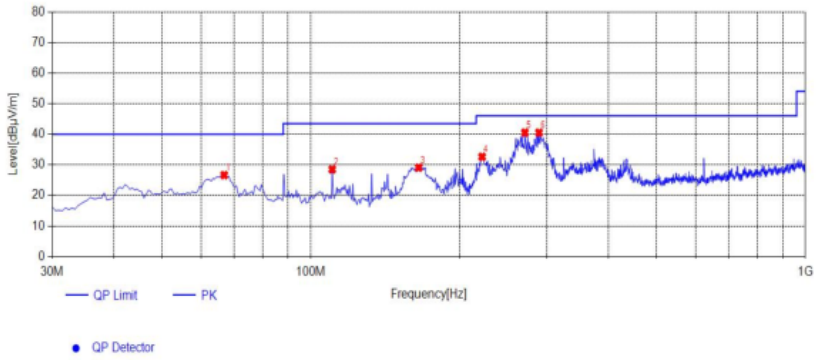
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



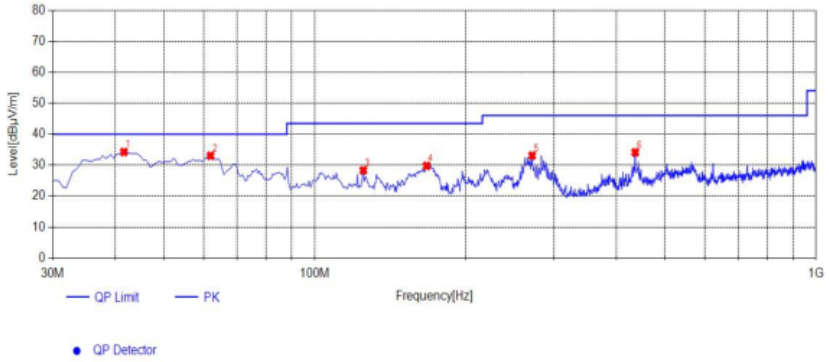
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	66.86	39.83	-13.20	26.63	40.00	13.37	100	95	PK	Horizonta	PASS
2	110.51	40.07	-11.56	28.51	43.50	14.99	100	92	PK	Horizonta	PASS
3	165.315	41.95	-12.85	29.10	43.50	14.40	100	286	PK	Horizonta	PASS
4	222.06	42.11	-9.48	32.63	46.00	13.37	100	26	PK	Horizonta	PASS
5	271.045	48.42	-7.88	40.54	46.00	5.46	100	276	PK	Horizonta	PASS
6	289.475	48.19	-7.66	40.53	46.00	5.47	100	272	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	45.91	-11.68	34.23	40.00	5.77	100	281	PK	Vertical	PASS
2	62.01	44.79	-11.76	33.03	40.00	6.97	100	135	PK	Vertical	PASS
3	125.06	41.55	-13.24	28.31	43.50	15.19	100	39	PK	Vertical	PASS
4	167.255	42.58	-12.81	29.77	43.50	13.73	100	72	PK	Vertical	PASS
5	271.53	40.96	-7.87	33.09	46.00	12.91	100	118	PK	Vertical	PASS
6	435.945	38.29	-4.16	34.13	46.00	11.87	100	338	PK	Vertical	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

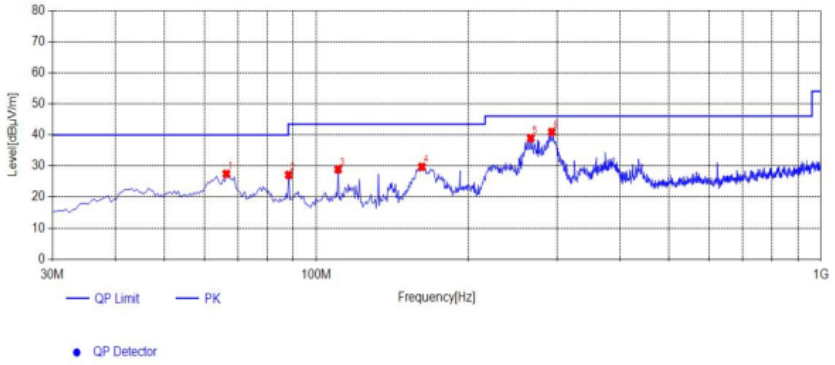
2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Version D:

Adapter: ADS-65HI-19A-124036F

Horizontal

Test Graph



Suspected List

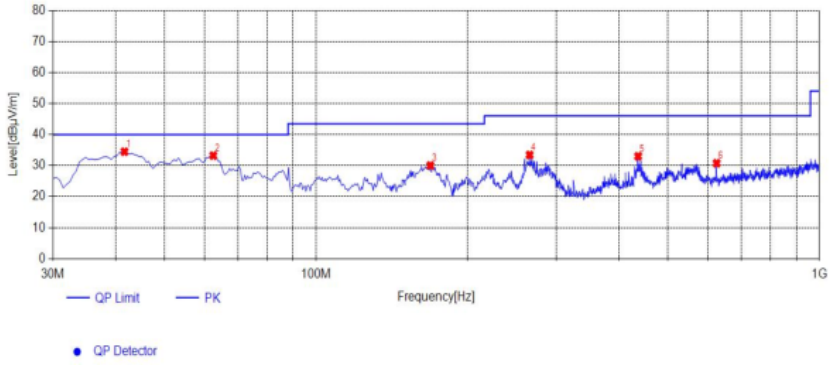
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	66.375	40.53	-13.06	27.47	40.00	12.53	100	292	PK	Horizonta	PASS
2	88.2	40.63	-13.50	27.13	43.50	16.37	100	101	PK	Horizonta	PASS
3	110.51	40.49	-11.56	28.93	43.50	14.57	100	101	PK	Horizonta	PASS
4	161.92	42.80	-13.08	29.72	43.50	13.78	100	295	PK	Horizonta	PASS
5	266.195	47.00	-8.03	38.97	46.00	7.03	100	328	PK	Horizonta	PASS
6	292.87	48.55	-7.61	40.94	46.00	5.06	100	213	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	46.16	-11.68	34.48	40.00	5.52	100	265	PK	Vertical	PASS
2	62.495	45.12	-11.89	33.23	40.00	6.77	100	160	PK	Vertical	PASS
3	168.71	42.79	-12.76	30.03	43.50	13.47	100	52	PK	Vertical	PASS
4	265.71	41.49	-8.05	33.44	46.00	12.56	100	124	PK	Vertical	PASS
5	436.43	37.14	-4.13	33.01	46.00	12.99	100	349	PK	Vertical	PASS
6	625.095	31.11	-0.34	30.77	46.00	15.23	100	215	PK	Vertical	PASS

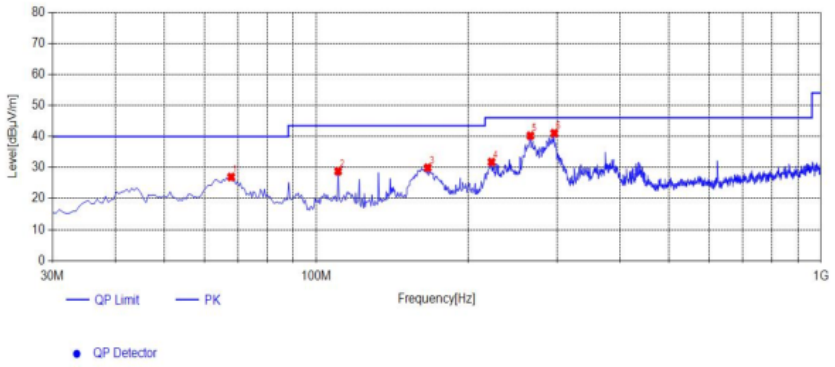
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: SOY-2400150-332-A

Horizontal

Test Graph



Suspected List

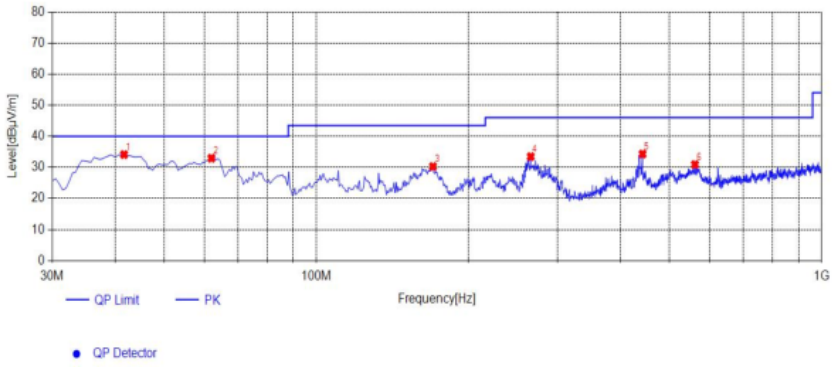
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	67.83	40.44	-13.48	26.96	40.00	13.04	100	92	PK	Horizonta	PASS
2	110.51	40.36	-11.56	28.80	43.50	14.70	100	109	PK	Horizonta	PASS
3	166.285	42.79	-12.83	29.96	43.50	13.54	100	278	PK	Horizonta	PASS
4	222.545	41.24	-9.47	31.77	46.00	14.23	100	20	PK	Horizonta	PASS
5	265.71	48.29	-8.05	40.24	46.00	5.76	100	305	PK	Horizonta	PASS
6	296.265	48.65	-7.57	41.08	46.00	4.92	100	262	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List

NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	41.64	45.81	-11.68	34.13	40.00	5.87	100	236	PK	Vertical	PASS
2	62.01	44.71	-11.76	32.95	40.00	7.05	100	206	PK	Vertical	PASS
3	170.165	43.02	-12.73	30.29	43.50	13.21	100	62	PK	Vertical	PASS
4	265.71	41.53	-8.05	33.48	46.00	12.52	100	144	PK	Vertical	PASS
5	442.25	38.30	-3.99	34.31	46.00	11.69	100	351	PK	Vertical	PASS
6	561.56	32.11	-1.19	30.92	46.00	15.08	100	344	PK	Vertical	PASS

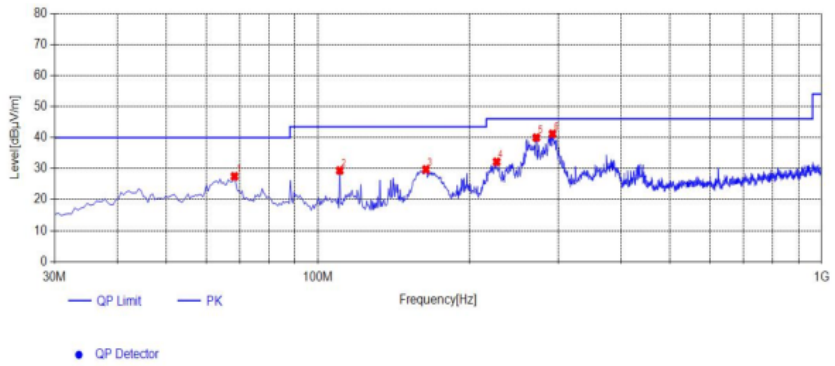
Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Adapter: CYZS36-240150

Horizontal

Test Graph



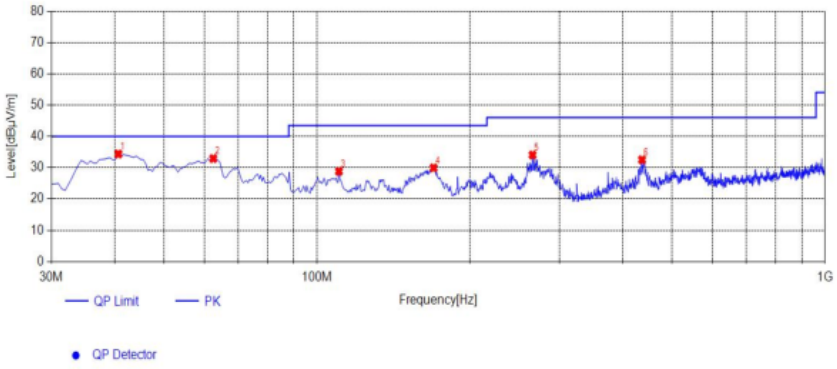
Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	68.315	41.13	-13.62	27.51	40.00	12.49	100	81	PK	Horizonta	PASS
2	110.51	40.94	-11.56	29.38	43.50	14.12	100	91	PK	Horizonta	PASS
3	163.86	42.67	-12.96	29.71	43.50	13.79	100	302	PK	Horizonta	PASS
4	226.425	41.59	-9.39	32.20	46.00	13.80	100	35	PK	Horizonta	PASS
5	271.53	47.86	-7.87	39.99	46.00	6.01	100	288	PK	Horizonta	PASS
6	292.385	48.82	-7.63	41.19	46.00	4.81	100	259	PK	Horizonta	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Vertical

Test Graph



Suspected List											
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Remark
1	40.67	46.23	-11.85	34.38	40.00	5.62	100	326	PK	Vertical	PASS
2	62.495	44.82	-11.89	32.93	40.00	7.07	100	160	PK	Vertical	PASS
3	110.51	40.40	-11.56	28.84	43.50	14.66	100	9	PK	Vertical	PASS
4	169.68	42.71	-12.75	29.96	43.50	13.54	100	81	PK	Vertical	PASS
5	265.71	42.12	-8.05	34.07	46.00	11.93	100	157	PK	Vertical	PASS
6	436.43	36.66	-4.13	32.53	46.00	13.47	100	329	PK	Vertical	PASS

Note:1. Result (dBµV/m) = Reading(dBµV/m) + Factor (dB) .

2. Factor (dB) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB).

Note: All modes have been tested and the worst mode is recorded in the report, NFC has two optional antennas, with the worst mode recorded in the report (NFC antenna Model:DS2-52).

For 1GHz to 40GHz
Version A(Adapter: ADS-65HI-19A-124036F,NFC antenna Model:DS2-52):

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	10360	40.14	38.55	33.13	11.26	56.82	68.20	-11.38	Peak	Horizontal
1	10360	30.21	38.55	33.13	11.26	46.89	54.00	-7.11	AV	Horizontal
1	10360	41.68	38.55	33.13	11.26	58.36	68.20	-9.84	Peak	Vertical
1	10360	29.61	38.55	33.13	11.26	46.29	54.00	-7.71	AV	Vertical

802.11a Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	10400	39.06	38.55	33.13	11.26	55.74	68.20	-12.46	Peak	Horizontal
1	10400	30.61	38.55	33.13	11.26	47.29	54.00	-6.71	AV	Horizontal
1	10400	40.61	38.55	33.13	11.26	57.29	68.20	-10.91	Peak	Vertical
1	10400	28.08	38.55	33.13	11.26	44.76	54.00	-9.24	AV	Vertical

802.11a Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	10480	40.89	38.55	33.13	11.26	57.57	68.20	-10.63	Peak	Horizontal
1	10480	31.67	38.55	33.13	11.26	48.35	54.00	-5.65	AV	Horizontal
1	10480	40.03	38.55	33.13	11.26	56.71	68.20	-11.49	Peak	Vertical
1	10480	28.45	38.55	33.13	11.26	45.13	54.00	-8.87	AV	Vertical

802.11ax Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	10360	39.48	38.55	33.13	11.26	56.16	68.20	-12.04	Peak	Horizontal
1	10360	31.14	38.55	33.13	11.26	47.82	54.00	-6.18	AV	Horizontal
1	10360	41.76	38.55	33.13	11.26	58.44	68.20	-9.76	Peak	Vertical
1	10360	28.50	38.55	33.13	11.26	45.18	54.00	-8.82	AV	Vertical

802.11ax Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	10400	40.55	38.55	33.13	11.26	57.23	68.20	-10.97	Peak	Horizontal
1	10400	31.46	38.55	33.13	11.26	48.14	54.00	-5.86	AV	Horizontal
1	10400	41.69	38.55	33.13	11.26	58.37	68.20	-9.83	Peak	Vertical
1	10400	28.16	38.55	33.13	11.26	44.84	54.00	-9.16	AV	Vertical

802.11ax Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	39.59	38.55	33.13	11.26	56.27	68.20	-11.93	Peak	Horizontal
1	10480	30.23	38.55	33.13	11.26	46.91	54.00	-7.09	AV	Horizontal
1	10480	41.87	38.55	33.13	11.26	58.55	68.20	-9.65	Peak	Vertical
1	10480	29.52	38.55	33.13	11.26	46.20	54.00	-7.80	AV	Vertical

5260-5320MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.31	38.55	33.13	11.26	56.99	68.20	-11.21	Peak	Horizontal
1	10520	30.75	38.55	33.13	11.26	47.43	54.00	-6.57	AV	Horizontal
1	10520	41.07	38.55	33.13	11.26	57.75	68.20	-10.45	Peak	Vertical
1	10520	29.46	38.55	33.13	11.26	46.14	54.00	-7.86	AV	Vertical

802.11a Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.28	38.55	33.13	11.26	56.96	68.20	-11.24	Peak	Horizontal
1	10560	30.10	38.55	33.13	11.26	46.78	54.00	-7.22	AV	Horizontal
1	10560	41.53	38.55	33.13	11.26	58.21	68.20	-9.99	Peak	Vertical
1	10560	29.87	38.55	33.13	11.26	46.55	54.00	-7.45	AV	Vertical

802.11a Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.51	38.55	33.13	11.26	56.19	68.20	-12.01	Peak	Horizontal
1	10640	31.79	38.55	33.13	11.26	48.47	54.00	-5.53	AV	Horizontal
1	10640	40.92	38.55	33.13	11.26	57.60	68.20	-10.60	Peak	Vertical
1	10640	28.40	38.55	33.13	11.26	45.08	54.00	-8.92	AV	Vertical

802.11ax Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Horizontal
1	10520	31.61	38.55	33.13	11.26	48.29	54.00	-5.71	AV	Horizontal
1	10520	41.30	38.55	33.13	11.26	57.98	68.20	-10.22	Peak	Vertical
1	10520	28.85	38.55	33.13	11.26	45.53	54.00	-8.47	AV	Vertical

802.11ax Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.76	38.55	33.13	11.26	56.44	68.20	-11.76	Peak	Horizontal
1	10560	31.05	38.55	33.13	11.26	47.73	54.00	-6.27	AV	Horizontal
1	10560	41.06	38.55	33.13	11.26	57.74	68.20	-10.46	Peak	Vertical
1	10560	28.12	38.55	33.13	11.26	44.80	54.00	-9.20	AV	Vertical

802.11ax Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.30	38.55	33.13	11.26	56.98	68.20	-11.22	Peak	Horizontal
1	10640	31.41	38.55	33.13	11.26	48.09	54.00	-5.91	AV	Horizontal
1	10640	40.84	38.55	33.13	11.26	57.52	68.20	-10.68	Peak	Vertical
1	10640	28.97	38.55	33.13	11.26	45.65	54.00	-8.35	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.73	38.55	33.13	11.26	56.41	68.20	-11.79	Peak	Horizontal
1	11000	30.62	38.55	33.13	11.26	47.30	54.00	-6.70	AV	Horizontal
1	11000	41.32	38.55	33.13	11.26	58.00	68.20	-10.20	Peak	Vertical
1	11000	28.28	38.55	33.13	11.26	44.96	54.00	-9.04	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.24	38.55	33.13	11.26	56.92	68.20	-11.28	Peak	Horizontal
1	11200	31.81	38.55	33.13	11.26	48.49	54.00	-5.51	AV	Horizontal
1	11200	40.87	38.55	33.13	11.26	57.55	68.20	-10.65	Peak	Vertical
1	11200	29.66	38.55	33.13	11.26	46.34	54.00	-7.66	AV	Vertical

802.11a Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.30	38.55	33.13	11.26	55.98	68.20	-12.22	Peak	Horizontal
1	11400	30.49	38.55	33.13	11.26	47.17	54.00	-6.83	AV	Horizontal
1	11400	40.66	38.55	33.13	11.26	57.34	68.20	-10.86	Peak	Vertical
1	11400	29.26	38.55	33.13	11.26	45.94	54.00	-8.06	AV	Vertical

802.11ax Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.05	38.55	33.13	11.26	55.73	68.20	-12.47	Peak	Horizontal
1	11000	30.03	38.55	33.13	11.26	46.71	54.00	-7.29	AV	Horizontal
1	11000	40.08	38.55	33.13	11.26	56.76	68.20	-11.44	Peak	Vertical
1	11000	28.63	38.55	33.13	11.26	45.31	54.00	-8.69	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.57	38.55	33.13	11.26	57.25	68.20	-10.95	Peak	Horizontal
1	11200	31.57	38.55	33.13	11.26	48.25	54.00	-5.75	AV	Horizontal
1	11200	40.59	38.55	33.13	11.26	57.27	68.20	-10.93	Peak	Vertical
1	11200	28.85	38.55	33.13	11.26	45.53	54.00	-8.47	AV	Vertical

802.11ax Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11400	40.99	38.55	33.13	11.26	57.67	68.20	-10.53	Peak	Horizontal
1	11400	30.82	38.55	33.13	11.26	47.50	54.00	-6.50	AV	Horizontal
1	11400	41.71	38.55	33.13	11.26	58.39	68.20	-9.81	Peak	Vertical
1	11400	29.73	38.55	33.13	11.26	46.41	54.00	-7.59	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11490	40.64	38.55	33.13	11.26	57.32	68.20	-10.88	Peak	Horizontal
1	11490	30.02	38.55	33.13	11.26	46.70	54.00	-7.30	AV	Horizontal
1	11490	41.10	38.55	33.13	11.26	57.78	68.20	-10.42	Peak	Vertical
1	11490	28.94	38.55	33.13	11.26	45.62	54.00	-8.38	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11570	40.93	38.55	33.13	11.26	57.61	68.20	-10.59	Peak	Horizontal
1	11570	30.05	38.55	33.13	11.26	46.73	54.00	-7.27	AV	Horizontal
1	11570	41.66	38.55	33.13	11.26	58.34	68.20	-9.86	Peak	Vertical
1	11570	29.59	38.55	33.13	11.26	46.27	54.00	-7.73	AV	Vertical

802.11a Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11650	39.34	38.55	33.13	11.26	56.02	68.20	-12.18	Peak	Horizontal
1	11650	30.30	38.55	33.13	11.26	46.98	54.00	-7.02	AV	Horizontal
1	11650	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Vertical
1	11650	29.99	38.55	33.13	11.26	46.67	54.00	-7.33	AV	Vertical

802.11ax Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11490	40.80	38.55	33.13	11.26	57.48	68.20	-10.72	Peak	Horizontal
1	11490	31.86	38.55	33.13	11.26	48.54	54.00	-5.46	AV	Horizontal
1	11490	41.51	38.55	33.13	11.26	58.19	68.20	-10.01	Peak	Vertical
1	11490	28.95	38.55	33.13	11.26	45.63	54.00	-8.37	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBµV/m)	Limit Line (dBµV/m)	Margin (dB)	Detector	Polarization
1	11570	40.57	38.55	33.13	11.26	57.25	68.20	-10.95	Peak	Horizontal
1	11570	30.62	38.55	33.13	11.26	47.30	54.00	-6.70	AV	Horizontal
1	11570	40.85	38.55	33.13	11.26	57.53	68.20	-10.67	Peak	Vertical
1	11570	28.83	38.55	33.13	11.26	45.51	54.00	-8.49	AV	Vertical

802.11ax Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	39.11	38.55	33.13	11.26	55.79	68.20	-12.41	Peak	Horizontal
1	11650	31.82	38.55	33.13	11.26	48.50	54.00	-5.50	AV	Horizontal
1	11650	40.88	38.55	33.13	11.26	57.56	68.20	-10.64	Peak	Vertical
1	11650	28.07	38.55	33.13	11.26	44.75	54.00	-9.25	AV	Vertical

Version B(Adapter: ADS-65HI-19A-124036F,NFC antenna Model:DS2-52):

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.07	38.55	33.13	11.26	56.75	68.20	-11.45	Peak	Horizontal
1	10360	30.71	38.55	33.13	11.26	47.39	54.00	-6.61	AV	Horizontal
1	10360	41.71	38.55	33.13	11.26	58.39	68.20	-9.81	Peak	Vertical
1	10360	28.57	38.55	33.13	11.26	45.25	54.00	-8.75	AV	Vertical

802.11a Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	40.91	38.55	33.13	11.26	57.59	68.20	-10.61	Peak	Horizontal
1	10400	31.72	38.55	33.13	11.26	48.40	54.00	-5.60	AV	Horizontal
1	10400	41.33	38.55	33.13	11.26	58.01	68.20	-10.19	Peak	Vertical
1	10400	28.25	38.55	33.13	11.26	44.93	54.00	-9.07	AV	Vertical

802.11a Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.74	38.55	33.13	11.26	57.42	68.20	-10.78	Peak	Horizontal
1	10480	31.57	38.55	33.13	11.26	48.25	54.00	-5.75	AV	Horizontal
1	10480	40.05	38.55	33.13	11.26	56.73	68.20	-11.47	Peak	Vertical
1	10480	28.10	38.55	33.13	11.26	44.78	54.00	-9.22	AV	Vertical

802.11ax Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.54	38.55	33.13	11.26	57.22	68.20	-10.98	Peak	Horizontal
1	10360	30.66	38.55	33.13	11.26	47.34	54.00	-6.66	AV	Horizontal
1	10360	40.06	38.55	33.13	11.26	56.74	68.20	-11.46	Peak	Vertical
1	10360	29.93	38.55	33.13	11.26	46.61	54.00	-7.39	AV	Vertical

802.11ax Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	40.75	38.55	33.13	11.26	57.43	68.20	-10.77	Peak	Horizontal
1	10400	31.02	38.55	33.13	11.26	47.70	54.00	-6.30	AV	Horizontal
1	10400	41.36	38.55	33.13	11.26	58.04	68.20	-10.16	Peak	Vertical
1	10400	29.35	38.55	33.13	11.26	46.03	54.00	-7.97	AV	Vertical

802.11ax Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	39.06	38.55	33.13	11.26	55.74	68.20	-12.46	Peak	Horizontal
1	10480	30.27	38.55	33.13	11.26	46.95	54.00	-7.05	AV	Horizontal
1	10480	40.73	38.55	33.13	11.26	57.41	68.20	-10.79	Peak	Vertical
1	10480	28.46	38.55	33.13	11.26	45.14	54.00	-8.86	AV	Vertical

5260-5320MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.35	38.55	33.13	11.26	57.03	68.20	-11.17	Peak	Horizontal
1	10520	30.49	38.55	33.13	11.26	47.17	54.00	-6.83	AV	Horizontal
1	10520	41.10	38.55	33.13	11.26	57.78	68.20	-10.42	Peak	Vertical
1	10520	29.48	38.55	33.13	11.26	46.16	54.00	-7.84	AV	Vertical

802.11a Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.19	38.55	33.13	11.26	55.87	68.20	-12.33	Peak	Horizontal
1	10560	31.53	38.55	33.13	11.26	48.21	54.00	-5.79	AV	Horizontal
1	10560	41.44	38.55	33.13	11.26	58.12	68.20	-10.08	Peak	Vertical
1	10560	29.72	38.55	33.13	11.26	46.40	54.00	-7.60	AV	Vertical

802.11a Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.13	38.55	33.13	11.26	55.81	68.20	-12.39	Peak	Horizontal
1	10640	31.48	38.55	33.13	11.26	48.16	54.00	-5.84	AV	Horizontal
1	10640	41.15	38.55	33.13	11.26	57.83	68.20	-10.37	Peak	Vertical
1	10640	28.55	38.55	33.13	11.26	45.23	54.00	-8.77	AV	Vertical

802.11ax Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	39.85	38.55	33.13	11.26	56.53	68.20	-11.67	Peak	Horizontal
1	10520	30.92	38.55	33.13	11.26	47.60	54.00	-6.40	AV	Horizontal
1	10520	41.32	38.55	33.13	11.26	58.00	68.20	-10.20	Peak	Vertical
1	10520	29.45	38.55	33.13	11.26	46.13	54.00	-7.87	AV	Vertical

802.11ax Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.81	38.55	33.13	11.26	57.49	68.20	-10.71	Peak	Horizontal
1	10560	30.91	38.55	33.13	11.26	47.59	54.00	-6.41	AV	Horizontal
1	10560	40.65	38.55	33.13	11.26	57.33	68.20	-10.87	Peak	Vertical
1	10560	29.31	38.55	33.13	11.26	45.99	54.00	-8.01	AV	Vertical

802.11ax Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.84	38.55	33.13	11.26	56.52	68.20	-11.68	Peak	Horizontal
1	10640	31.83	38.55	33.13	11.26	48.51	54.00	-5.49	AV	Horizontal
1	10640	41.85	38.55	33.13	11.26	58.53	68.20	-9.67	Peak	Vertical
1	10640	28.29	38.55	33.13	11.26	44.97	54.00	-9.03	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.54	38.55	33.13	11.26	57.22	68.20	-10.98	Peak	Horizontal
1	11000	30.38	38.55	33.13	11.26	47.06	54.00	-6.94	AV	Horizontal
1	11000	41.43	38.55	33.13	11.26	58.11	68.20	-10.09	Peak	Vertical
1	11000	28.82	38.55	33.13	11.26	45.50	54.00	-8.50	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.49	38.55	33.13	11.26	56.17	68.20	-12.03	Peak	Horizontal
1	11200	31.11	38.55	33.13	11.26	47.79	54.00	-6.21	AV	Horizontal
1	11200	41.97	38.55	33.13	11.26	58.65	68.20	-9.55	Peak	Vertical
1	11200	30.00	38.55	33.13	11.26	46.68	54.00	-7.32	AV	Vertical

802.11a Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.24	38.55	33.13	11.26	55.92	68.20	-12.28	Peak	Horizontal
1	11400	31.82	38.55	33.13	11.26	48.50	54.00	-5.50	AV	Horizontal
1	11400	40.51	38.55	33.13	11.26	57.19	68.20	-11.01	Peak	Vertical
1	11400	28.53	38.55	33.13	11.26	45.21	54.00	-8.79	AV	Vertical

802.11ax Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.19	38.55	33.13	11.26	56.87	68.20	-11.33	Peak	Horizontal
1	11000	30.10	38.55	33.13	11.26	46.78	54.00	-7.22	AV	Horizontal
1	11000	40.29	38.55	33.13	11.26	56.97	68.20	-11.23	Peak	Vertical
1	11000	28.86	38.55	33.13	11.26	45.54	54.00	-8.46	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.02	38.55	33.13	11.26	55.70	68.20	-12.50	Peak	Horizontal
1	11200	30.76	38.55	33.13	11.26	47.44	54.00	-6.56	AV	Horizontal
1	11200	41.76	38.55	33.13	11.26	58.44	68.20	-9.76	Peak	Vertical
1	11200	28.11	38.55	33.13	11.26	44.79	54.00	-9.21	AV	Vertical

802.11ax Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	40.27	38.55	33.13	11.26	56.95	68.20	-11.25	Peak	Horizontal
1	11400	31.18	38.55	33.13	11.26	47.86	54.00	-6.14	AV	Horizontal
1	11400	41.02	38.55	33.13	11.26	57.70	68.20	-10.50	Peak	Vertical
1	11400	28.66	38.55	33.13	11.26	45.34	54.00	-8.66	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	39.21	38.55	33.13	11.26	55.89	68.20	-12.31	Peak	Horizontal
1	11490	30.07	38.55	33.13	11.26	46.75	54.00	-7.25	AV	Horizontal
1	11490	41.32	38.55	33.13	11.26	58.00	68.20	-10.20	Peak	Vertical
1	11490	29.02	38.55	33.13	11.26	45.70	54.00	-8.30	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.26	38.55	33.13	11.26	55.94	68.20	-12.26	Peak	Horizontal
1	11570	30.83	38.55	33.13	11.26	47.51	54.00	-6.49	AV	Horizontal
1	11570	40.82	38.55	33.13	11.26	57.50	68.20	-10.70	Peak	Vertical
1	11570	28.54	38.55	33.13	11.26	45.22	54.00	-8.78	AV	Vertical

802.11a Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.17	38.55	33.13	11.26	56.85	68.20	-11.35	Peak	Horizontal
1	11650	30.37	38.55	33.13	11.26	47.05	54.00	-6.95	AV	Horizontal
1	11650	41.70	38.55	33.13	11.26	58.38	68.20	-9.82	Peak	Vertical
1	11650	29.47	38.55	33.13	11.26	46.15	54.00	-7.85	AV	Vertical

802.11ax Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.42	38.55	33.13	11.26	57.10	68.20	-11.10	Peak	Horizontal
1	11490	31.68	38.55	33.13	11.26	48.36	54.00	-5.64	AV	Horizontal
1	11490	41.16	38.55	33.13	11.26	57.84	68.20	-10.36	Peak	Vertical
1	11490	29.14	38.55	33.13	11.26	45.82	54.00	-8.18	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	40.11	38.55	33.13	11.26	56.79	68.20	-11.41	Peak	Horizontal
1	11570	30.08	38.55	33.13	11.26	46.76	54.00	-7.24	AV	Horizontal
1	11570	41.18	38.55	33.13	11.26	57.86	68.20	-10.34	Peak	Vertical
1	11570	29.24	38.55	33.13	11.26	45.92	54.00	-8.08	AV	Vertical

802.11ax Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.94	38.55	33.13	11.26	57.62	68.20	-10.58	Peak	Horizontal
1	11650	31.53	38.55	33.13	11.26	48.21	54.00	-5.79	AV	Horizontal
1	11650	41.93	38.55	33.13	11.26	58.61	68.20	-9.59	Peak	Vertical
1	11650	28.94	38.55	33.13	11.26	45.62	54.00	-8.38	AV	Vertical

Version C(Adapter: ADS-65HI-19A-124036F,NFC antenna Model:DS2-52):

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	39.59	38.55	33.13	11.26	56.27	68.20	-11.93	Peak	Horizontal
1	10360	30.18	38.55	33.13	11.26	46.86	54.00	-7.14	AV	Horizontal
1	10360	40.28	38.55	33.13	11.26	56.96	68.20	-11.24	Peak	Vertical
1	10360	29.01	38.55	33.13	11.26	45.69	54.00	-8.31	AV	Vertical

802.11a Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	40.84	38.55	33.13	11.26	57.52	68.20	-10.68	Peak	Horizontal
1	10400	30.27	38.55	33.13	11.26	46.95	54.00	-7.05	AV	Horizontal
1	10400	41.14	38.55	33.13	11.26	57.82	68.20	-10.38	Peak	Vertical
1	10400	29.02	38.55	33.13	11.26	45.70	54.00	-8.30	AV	Vertical

802.11a Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	39.34	38.55	33.13	11.26	56.02	68.20	-12.18	Peak	Horizontal
1	10480	31.70	38.55	33.13	11.26	48.38	54.00	-5.62	AV	Horizontal
1	10480	40.81	38.55	33.13	11.26	57.49	68.20	-10.71	Peak	Vertical
1	10480	28.31	38.55	33.13	11.26	44.99	54.00	-9.01	AV	Vertical

802.11ax Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	39.67	38.55	33.13	11.26	56.35	68.20	-11.85	Peak	Horizontal
1	10360	31.79	38.55	33.13	11.26	48.47	54.00	-5.53	AV	Horizontal
1	10360	41.06	38.55	33.13	11.26	57.74	68.20	-10.46	Peak	Vertical
1	10360	29.83	38.55	33.13	11.26	46.51	54.00	-7.49	AV	Vertical

802.11ax Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.75	38.55	33.13	11.26	56.43	68.20	-11.77	Peak	Horizontal
1	10400	31.97	38.55	33.13	11.26	48.65	54.00	-5.35	AV	Horizontal
1	10400	40.15	38.55	33.13	11.26	56.83	68.20	-11.37	Peak	Vertical
1	10400	29.54	38.55	33.13	11.26	46.22	54.00	-7.78	AV	Vertical

802.11ax Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.07	38.55	33.13	11.26	56.75	68.20	-11.45	Peak	Horizontal
1	10480	30.60	38.55	33.13	11.26	47.28	54.00	-6.72	AV	Horizontal
1	10480	40.24	38.55	33.13	11.26	56.92	68.20	-11.28	Peak	Vertical
1	10480	29.54	38.55	33.13	11.26	46.22	54.00	-7.78	AV	Vertical

5260-5320MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.08	38.55	33.13	11.26	56.76	68.20	-11.44	Peak	Horizontal
1	10520	30.72	38.55	33.13	11.26	47.40	54.00	-6.60	AV	Horizontal
1	10520	40.44	38.55	33.13	11.26	57.12	68.20	-11.08	Peak	Vertical
1	10520	29.62	38.55	33.13	11.26	46.30	54.00	-7.70	AV	Vertical

802.11a Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.09	38.55	33.13	11.26	56.77	68.20	-11.43	Peak	Horizontal
1	10560	30.84	38.55	33.13	11.26	47.52	54.00	-6.48	AV	Horizontal
1	10560	40.66	38.55	33.13	11.26	57.34	68.20	-10.86	Peak	Vertical
1	10560	29.80	38.55	33.13	11.26	46.48	54.00	-7.52	AV	Vertical

802.11a Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	39.07	38.55	33.13	11.26	55.75	68.20	-12.45	Peak	Horizontal
1	10640	30.13	38.55	33.13	11.26	46.81	54.00	-7.19	AV	Horizontal
1	10640	41.74	38.55	33.13	11.26	58.42	68.20	-9.78	Peak	Vertical
1	10640	28.91	38.55	33.13	11.26	45.59	54.00	-8.41	AV	Vertical

802.11ax Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Horizontal
1	10520	30.10	38.55	33.13	11.26	46.78	54.00	-7.22	AV	Horizontal
1	10520	40.96	38.55	33.13	11.26	57.64	68.20	-10.56	Peak	Vertical
1	10520	29.10	38.55	33.13	11.26	45.78	54.00	-8.22	AV	Vertical

802.11ax Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	39.59	38.55	33.13	11.26	56.27	68.20	-11.93	Peak	Horizontal
1	10560	30.44	38.55	33.13	11.26	47.12	54.00	-6.88	AV	Horizontal
1	10560	41.45	38.55	33.13	11.26	58.13	68.20	-10.07	Peak	Vertical
1	10560	29.90	38.55	33.13	11.26	46.58	54.00	-7.42	AV	Vertical

802.11ax Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.77	38.55	33.13	11.26	57.45	68.20	-10.75	Peak	Horizontal
1	10640	30.69	38.55	33.13	11.26	47.37	54.00	-6.63	AV	Horizontal
1	10640	41.27	38.55	33.13	11.26	57.95	68.20	-10.25	Peak	Vertical
1	10640	28.99	38.55	33.13	11.26	45.67	54.00	-8.33	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.32	38.55	33.13	11.26	57.00	68.20	-11.20	Peak	Horizontal
1	11000	30.37	38.55	33.13	11.26	47.05	54.00	-6.95	AV	Horizontal
1	11000	40.63	38.55	33.13	11.26	57.31	68.20	-10.89	Peak	Vertical
1	11000	29.30	38.55	33.13	11.26	45.98	54.00	-8.02	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	39.57	38.55	33.13	11.26	56.25	68.20	-11.95	Peak	Horizontal
1	11200	31.31	38.55	33.13	11.26	47.99	54.00	-6.01	AV	Horizontal
1	11200	40.02	38.55	33.13	11.26	56.70	68.20	-11.50	Peak	Vertical
1	11200	29.44	38.55	33.13	11.26	46.12	54.00	-7.88	AV	Vertical

802.11a Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	40.62	38.55	33.13	11.26	57.30	68.20	-10.90	Peak	Horizontal
1	11400	31.22	38.55	33.13	11.26	47.90	54.00	-6.10	AV	Horizontal
1	11400	41.19	38.55	33.13	11.26	57.87	68.20	-10.33	Peak	Vertical
1	11400	29.89	38.55	33.13	11.26	46.57	54.00	-7.43	AV	Vertical

802.11ax Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	40.50	38.55	33.13	11.26	57.18	68.20	-11.02	Peak	Horizontal
1	11000	30.61	38.55	33.13	11.26	47.29	54.00	-6.71	AV	Horizontal
1	11000	41.16	38.55	33.13	11.26	57.84	68.20	-10.36	Peak	Vertical
1	11000	29.96	38.55	33.13	11.26	46.64	54.00	-7.36	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.00	38.55	33.13	11.26	56.68	68.20	-11.52	Peak	Horizontal
1	11200	31.48	38.55	33.13	11.26	48.16	54.00	-5.84	AV	Horizontal
1	11200	40.00	38.55	33.13	11.26	56.68	68.20	-11.52	Peak	Vertical
1	11200	29.90	38.55	33.13	11.26	46.58	54.00	-7.42	AV	Vertical

802.11ax Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.28	38.55	33.13	11.26	55.96	68.20	-12.24	Peak	Horizontal
1	11400	31.66	38.55	33.13	11.26	48.34	54.00	-5.66	AV	Horizontal
1	11400	40.81	38.55	33.13	11.26	57.49	68.20	-10.71	Peak	Vertical
1	11400	29.73	38.55	33.13	11.26	46.41	54.00	-7.59	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.09	38.55	33.13	11.26	56.77	68.20	-11.43	Peak	Horizontal
1	11490	30.87	38.55	33.13	11.26	47.55	54.00	-6.45	AV	Horizontal
1	11490	40.41	38.55	33.13	11.26	57.09	68.20	-11.11	Peak	Vertical
1	11490	29.05	38.55	33.13	11.26	45.73	54.00	-8.27	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.31	38.55	33.13	11.26	55.99	68.20	-12.21	Peak	Horizontal
1	11570	31.37	38.55	33.13	11.26	48.05	54.00	-5.95	AV	Horizontal
1	11570	41.88	38.55	33.13	11.26	58.56	68.20	-9.64	Peak	Vertical
1	11570	28.21	38.55	33.13	11.26	44.89	54.00	-9.11	AV	Vertical

802.11a Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.10	38.55	33.13	11.26	56.78	68.20	-11.42	Peak	Horizontal
1	11650	31.10	38.55	33.13	11.26	47.78	54.00	-6.22	AV	Horizontal
1	11650	40.69	38.55	33.13	11.26	57.37	68.20	-10.83	Peak	Vertical
1	11650	29.90	38.55	33.13	11.26	46.58	54.00	-7.42	AV	Vertical

802.11ax Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	39.43	38.55	33.13	11.26	56.11	68.20	-12.09	Peak	Horizontal
1	11490	31.05	38.55	33.13	11.26	47.73	54.00	-6.27	AV	Horizontal
1	11490	40.02	38.55	33.13	11.26	56.70	68.20	-11.50	Peak	Vertical
1	11490	28.04	38.55	33.13	11.26	44.72	54.00	-9.28	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.44	38.55	33.13	11.26	56.12	68.20	-12.08	Peak	Horizontal
1	11570	30.04	38.55	33.13	11.26	46.72	54.00	-7.28	AV	Horizontal
1	11570	40.18	38.55	33.13	11.26	56.86	68.20	-11.34	Peak	Vertical
1	11570	28.28	38.55	33.13	11.26	44.96	54.00	-9.04	AV	Vertical

802.11ax Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.61	38.55	33.13	11.26	57.29	68.20	-10.91	Peak	Horizontal
1	11650	31.45	38.55	33.13	11.26	48.13	54.00	-5.87	AV	Horizontal
1	11650	41.74	38.55	33.13	11.26	58.42	68.20	-9.78	Peak	Vertical
1	11650	28.41	38.55	33.13	11.26	45.09	54.00	-8.91	AV	Vertical

Version D(Adapter: ADS-65HI-19A-124036F,NFC antenna Model:DS2-52):

5150-5250MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	39.89	38.55	33.13	11.26	56.57	68.20	-11.63	Peak	Horizontal
1	10360	30.32	38.55	33.13	11.26	47.00	54.00	-7.00	AV	Horizontal
1	10360	40.27	38.55	33.13	11.26	56.95	68.20	-11.25	Peak	Vertical
1	10360	28.93	38.55	33.13	11.26	45.61	54.00	-8.39	AV	Vertical

802.11a Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	39.80	38.55	33.13	11.26	56.48	68.20	-11.72	Peak	Horizontal
1	10400	30.60	38.55	33.13	11.26	47.28	54.00	-6.72	AV	Horizontal
1	10400	40.24	38.55	33.13	11.26	56.92	68.20	-11.28	Peak	Vertical
1	10400	28.63	38.55	33.13	11.26	45.31	54.00	-8.69	AV	Vertical

802.11a Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Horizontal
1	10480	31.11	38.55	33.13	11.26	47.79	54.00	-6.21	AV	Horizontal
1	10480	41.00	38.55	33.13	11.26	57.68	68.20	-10.52	Peak	Vertical
1	10480	29.46	38.55	33.13	11.26	46.14	54.00	-7.86	AV	Vertical

802.11ax Mode_Channel 36 _5180 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10360	40.25	38.55	33.13	11.26	56.93	68.20	-11.27	Peak	Horizontal
1	10360	31.03	38.55	33.13	11.26	47.71	54.00	-6.29	AV	Horizontal
1	10360	40.56	38.55	33.13	11.26	57.24	68.20	-10.96	Peak	Vertical
1	10360	29.61	38.55	33.13	11.26	46.29	54.00	-7.71	AV	Vertical

802.11ax Mode_Channel 40 _ 5200 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10400	40.49	38.55	33.13	11.26	57.17	68.20	-11.03	Peak	Horizontal
1	10400	30.09	38.55	33.13	11.26	46.77	54.00	-7.23	AV	Horizontal
1	10400	41.37	38.55	33.13	11.26	58.05	68.20	-10.15	Peak	Vertical
1	10400	28.56	38.55	33.13	11.26	45.24	54.00	-8.76	AV	Vertical

802.11ax Mode_ Channel 48_ 5240 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10480	40.57	38.55	33.13	11.26	57.25	68.20	-10.95	Peak	Horizontal
1	10480	30.81	38.55	33.13	11.26	47.49	54.00	-6.51	AV	Horizontal
1	10480	40.83	38.55	33.13	11.26	57.51	68.20	-10.69	Peak	Vertical
1	10480	28.16	38.55	33.13	11.26	44.84	54.00	-9.16	AV	Vertical

5260-5320MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.14	38.55	33.13	11.26	56.82	68.20	-11.38	Peak	Horizontal
1	10520	31.82	38.55	33.13	11.26	48.50	54.00	-5.50	AV	Horizontal
1	10520	41.00	38.55	33.13	11.26	57.68	68.20	-10.52	Peak	Vertical
1	10520	28.89	38.55	33.13	11.26	45.57	54.00	-8.43	AV	Vertical

802.11a Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.42	38.55	33.13	11.26	57.10	68.20	-11.10	Peak	Horizontal
1	10560	31.56	38.55	33.13	11.26	48.24	54.00	-5.76	AV	Horizontal
1	10560	41.49	38.55	33.13	11.26	58.17	68.20	-10.03	Peak	Vertical
1	10560	29.38	38.55	33.13	11.26	46.06	54.00	-7.94	AV	Vertical

802.11a Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.90	38.55	33.13	11.26	57.58	68.20	-10.62	Peak	Horizontal
1	10640	31.32	38.55	33.13	11.26	48.00	54.00	-6.00	AV	Horizontal
1	10640	40.36	38.55	33.13	11.26	57.04	68.20	-11.16	Peak	Vertical
1	10640	28.92	38.55	33.13	11.26	45.60	54.00	-8.40	AV	Vertical

802.11ax Mode_Channel 52 _5260 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10520	40.14	38.55	33.13	11.26	56.82	68.20	-11.38	Peak	Horizontal
1	10520	30.27	38.55	33.13	11.26	46.95	54.00	-7.05	AV	Horizontal
1	10520	40.15	38.55	33.13	11.26	56.83	68.20	-11.37	Peak	Vertical
1	10520	29.20	38.55	33.13	11.26	45.88	54.00	-8.12	AV	Vertical

802.11ax Mode_Channel 56 _ 5280 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10560	40.84	38.55	33.13	11.26	57.52	68.20	-10.68	Peak	Horizontal
1	10560	30.35	38.55	33.13	11.26	47.03	54.00	-6.97	AV	Horizontal
1	10560	41.55	38.55	33.13	11.26	58.23	68.20	-9.97	Peak	Vertical
1	10560	29.64	38.55	33.13	11.26	46.32	54.00	-7.68	AV	Vertical

802.11ax Mode_ Channel 64_ 5320 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	10640	40.52	38.55	33.13	11.26	57.20	68.20	-11.00	Peak	Horizontal
1	10640	30.55	38.55	33.13	11.26	47.23	54.00	-6.77	AV	Horizontal
1	10640	41.00	38.55	33.13	11.26	57.68	68.20	-10.52	Peak	Vertical
1	10640	29.47	38.55	33.13	11.26	46.15	54.00	-7.85	AV	Vertical

5500-5700MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.64	38.55	33.13	11.26	56.32	68.20	-11.88	Peak	Horizontal
1	11000	31.00	38.55	33.13	11.26	47.68	54.00	-6.32	AV	Horizontal
1	11000	40.57	38.55	33.13	11.26	57.25	68.20	-10.95	Peak	Vertical
1	11000	29.77	38.55	33.13	11.26	46.45	54.00	-7.55	AV	Vertical

802.11a Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.33	38.55	33.13	11.26	57.01	68.20	-11.19	Peak	Horizontal
1	11200	30.62	38.55	33.13	11.26	47.30	54.00	-6.70	AV	Horizontal
1	11200	41.43	38.55	33.13	11.26	58.11	68.20	-10.09	Peak	Vertical
1	11200	29.69	38.55	33.13	11.26	46.37	54.00	-7.63	AV	Vertical

802.11a Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	40.26	38.55	33.13	11.26	56.94	68.20	-11.26	Peak	Horizontal
1	11400	30.02	38.55	33.13	11.26	46.70	54.00	-7.30	AV	Horizontal
1	11400	41.01	38.55	33.13	11.26	57.69	68.20	-10.51	Peak	Vertical
1	11400	28.75	38.55	33.13	11.26	45.43	54.00	-8.57	AV	Vertical

802.11ax Mode_Channel 100 _5500 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11000	39.79	38.55	33.13	11.26	56.47	68.20	-11.73	Peak	Horizontal
1	11000	31.70	38.55	33.13	11.26	48.38	54.00	-5.62	AV	Horizontal
1	11000	41.62	38.55	33.13	11.26	58.30	68.20	-9.90	Peak	Vertical
1	11000	29.88	38.55	33.13	11.26	46.56	54.00	-7.44	AV	Vertical

802.11ax Mode_Channel 120 _ 5600 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11200	40.80	38.55	33.13	11.26	57.48	68.20	-10.72	Peak	Horizontal
1	11200	31.88	38.55	33.13	11.26	48.56	54.00	-5.44	AV	Horizontal
1	11200	40.47	38.55	33.13	11.26	57.15	68.20	-11.05	Peak	Vertical
1	11200	29.60	38.55	33.13	11.26	46.28	54.00	-7.72	AV	Vertical

802.11ax Mode_ Channel 140_ 5700 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11400	39.95	38.55	33.13	11.26	56.63	68.20	-11.57	Peak	Horizontal
1	11400	31.68	38.55	33.13	11.26	48.36	54.00	-5.64	AV	Horizontal
1	11400	42.00	38.55	33.13	11.26	58.68	68.20	-9.52	Peak	Vertical
1	11400	29.99	38.55	33.13	11.26	46.67	54.00	-7.33	AV	Vertical

5725-5850MHz:

IEEE 802.11a (Worst Case)

802.11a Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.73	38.55	33.13	11.26	57.41	68.20	-10.79	Peak	Horizontal
1	11490	31.76	38.55	33.13	11.26	48.44	54.00	-5.56	AV	Horizontal
1	11490	41.95	38.55	33.13	11.26	58.63	68.20	-9.57	Peak	Vertical
1	11490	29.60	38.55	33.13	11.26	46.28	54.00	-7.72	AV	Vertical

802.11a Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	39.23	38.55	33.13	11.26	55.91	68.20	-12.29	Peak	Horizontal
1	11570	32.00	38.55	33.13	11.26	48.68	54.00	-5.32	AV	Horizontal
1	11570	40.60	38.55	33.13	11.26	57.28	68.20	-10.92	Peak	Vertical
1	11570	28.42	38.55	33.13	11.26	45.10	54.00	-8.90	AV	Vertical

802.11a Mode_ Channel 165_ 5825 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	40.48	38.55	33.13	11.26	57.16	68.20	-11.04	Peak	Horizontal
1	11650	31.57	38.55	33.13	11.26	48.25	54.00	-5.75	AV	Horizontal
1	11650	41.26	38.55	33.13	11.26	57.94	68.20	-10.26	Peak	Vertical
1	11650	28.39	38.55	33.13	11.26	45.07	54.00	-8.93	AV	Vertical

802.11ax Mode_Channel 149 _5745 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11490	40.32	38.55	33.13	11.26	57.00	68.20	-11.20	Peak	Horizontal
1	11490	31.91	38.55	33.13	11.26	48.59	54.00	-5.41	AV	Horizontal
1	11490	40.19	38.55	33.13	11.26	56.87	68.20	-11.33	Peak	Vertical
1	11490	29.48	38.55	33.13	11.26	46.16	54.00	-7.84	AV	Vertical

802.11ax Mode_Channel 157 _ 5785 MHz

Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11570	40.63	38.55	33.13	11.26	57.31	68.20	-10.89	Peak	Horizontal
1	11570	31.72	38.55	33.13	11.26	48.40	54.00	-5.60	AV	Horizontal
1	11570	40.43	38.55	33.13	11.26	57.11	68.20	-11.09	Peak	Vertical
1	11570	28.68	38.55	33.13	11.26	45.36	54.00	-8.64	AV	Vertical

802.11ax Mode_ Channel 165_ 5825 MHz

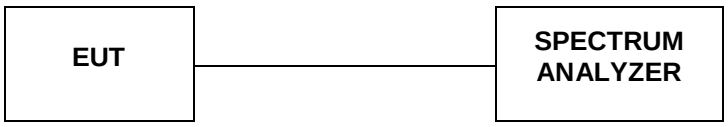
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	11650	39.67	38.55	33.13	11.26	56.35	68.20	-11.85	Peak	Horizontal
1	11650	30.65	38.55	33.13	11.26	47.33	54.00	-6.67	AV	Horizontal
1	11650	41.54	38.55	33.13	11.26	58.22	68.20	-9.98	Peak	Vertical
1	11650	29.30	38.55	33.13	11.26	45.98	54.00	-8.02	AV	Vertical

REMARKS:

1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. Margin = Result Level - Limit
3. The other emission levels were very low against the limit.
4. Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=10Hz/Sweep time=Auto/Detector=Peak;

4.3. Duty Cycle

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01 Duty Cycle (x), Transmission Duration (T):

a. A diode detector and an oscilloscope that together have sufficiently short response time to permit accurate measurements of the on and off times of the transmitted signal
b. The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value. Set VBW ≥ RBW. Set detector = peak or average. The zerospan measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in section II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)

TEST RESULTS

For reporting purpose only.

Please refer to Appendix D.3.

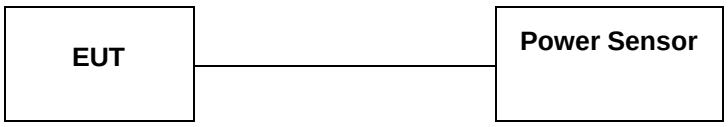
Please refer to Appendix E.3.

Please refer to Appendix F.3.

Please refer to Appendix G.3.

4.4. Maximum Average Output Power

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01 Measurement using a Power Meter (PM):

a. Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied
   1. The EUT is configured to transmit continuously or to transmit with a constant duty cycle
   2. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
   3. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

b. If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B

c. Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10 log(1/0.25) if the duty cycle is 25 percent).

LIMIT

According to §15.407(a): The maximum output power should be not exceed follow:

Frequency Range (MHz)	Limit
5150-5250	Fixed:1 Watt (30dBm) Mobile and portable: 250mW (24dBm)
5250-5350	250mW (24dBm)
5470-5725	250mW (24dBm)
5725-5850	1 Watt (30dBm)
Note: The maximum e.i.r.p at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125mW(21dBm)	

TEST RESULTS

For reporting purpose only.

Please refer to Appendix D.4.

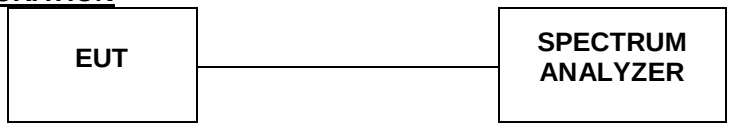
Please refer to Appendix E.4.

Please refer to Appendix F.4.

Please refer to Appendix G.4.

4.5. Power Spectral Density

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01: The rules requires "maximum power spectral density" measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission

a. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power…". (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
b. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
c. Make the following adjustments to the peak value of the spectrum, if applicable:
    1. If Method SA-2 or SA-2 Alternative was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum.
    2.) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
d. The result is the Maximum PSD over 1 MHz reference bandwidth.
e. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:
    1. Set RBW ≥ 1/T, where T is defined in section II.B.I.a).
    2. Set VBW ≥ 3 RBW.
    3. If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
    4. If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
    5. Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

    Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHz is available on nearly all spectrum analyzers.
f. Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10 log(1/0.25) if the duty cycle is 25 percent).

LIMIT

According to §15.407(a): The maximum output power should be not exceed follow:

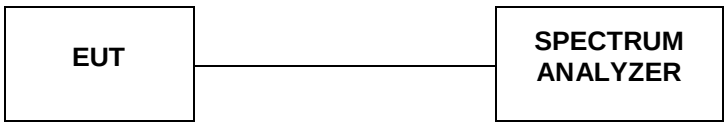
Frequency Range (MHz)	Limit
5150-5250	Other then Mobile and portable:17dBm/MHz Mobile and portable:11dBm/MHz
5250-5350	11dBm/MHz
5470-5725	11dBm/MHz
5725-5850	30dBm/500kHz

TEST RESULTS

For reporting purpose only.
Please refer to Appendix D.5.
Please refer to Appendix E.5.
Please refer to Appendix F.5.
Please refer to Appendix G.5.

4.6. 99% and 6dB Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01 for one of the following procedures may be used for section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a. Set RBW = 100 kHz.
b. Set the video bandwidth (VBW) ≥ 3 × RBW
c. Detector = Peak.
d. Trace mode = max hold.
e. Sweep = auto couple.
f. Allow the trace to stabilize
g. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

LIMIT

For Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz

TEST RESULTS

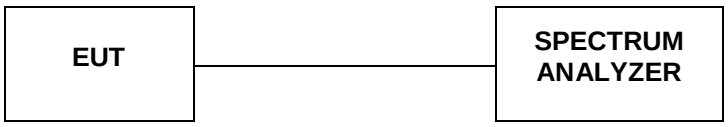
For reporting purpose only.

Please refer to Appendix G.1.

Please refer to Appendix G.2.

4.7. 99% and 26dBc Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General U-NII Test Procedures New Rules v02r01 for one of the following procedures may be used for Emission Bandwidth (EBW) measurement:

a. Set RBW = 220 kHz/430 kHz /820 kHz (approximately 1% of the emission bandwidth).
b. Set the video bandwidth (VBW) = 3* RBW)
c. Detector = Peak.
d. Trace mode = max hold.
e. Sweep = auto couple.
f. Allow the trace to stabilize
g. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

LIMIT

No Limits for 26dBc Bandwith

TEST RESULTS

For reporting purpose only.

Please refer to Appendix D.1.

Please refer to Appendix D.2.

Please refer to Appendix E.1.

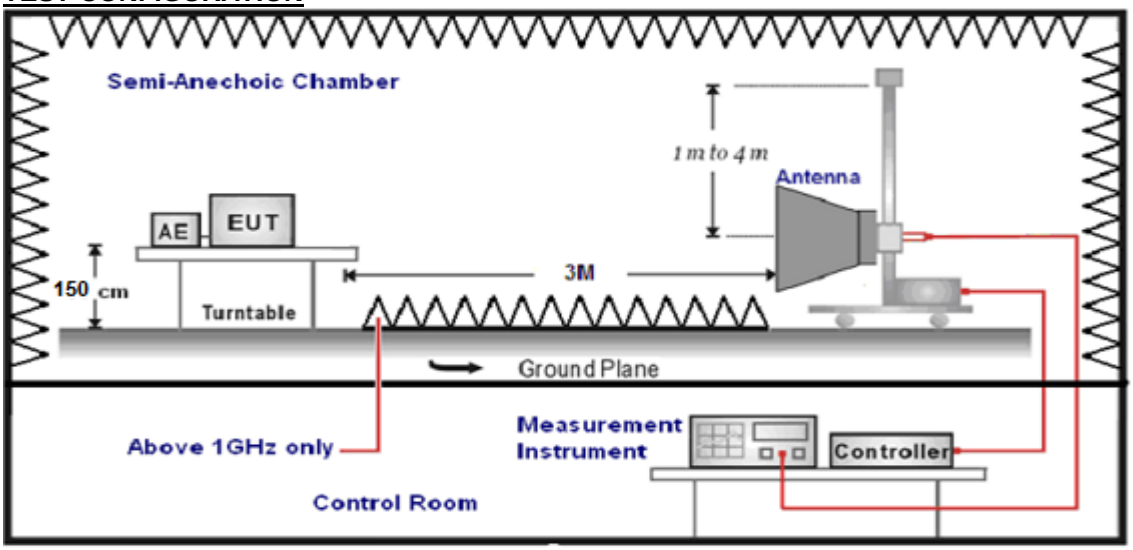
Please refer to Appendix E.2.

Please refer to Appendix F.1.

Please refer to Appendix F.2.

4.8. Conducted Spurious Emissions and Band Edge Compliance

TEST CONFIGURATION



LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

According to §15.407 (b): Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850	-27 (beyond 10MHz of the bandedge)	68.2
	-17 (within 10 MHz of band edge)	78.2

TEST PROCEDURE

1. The EUT was placed on a turn table which is 1.5m above 1GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed..
5. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
1GHz-18GHz	Double Ridged Horn Antenna	3

6. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
1GHz-18GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

TEST RESULTS

Remark:For radiated bandedge We measured at both mode, recorded worst case in antenna 0's 802.11 ac20 mode;

For Conducted at Restricted Band Measurement

For reporting purpose only.

Please refer to Appendix D.8.

Please refer to Appendix E.8.

Please refer to Appendix F.8.

Please refer to Appendix G.8.

For Conducted Band edge Measurement

For reporting purpose only.

Please refer to Appendix D.6.

Please refer to Appendix E.6.

Please refer to Appendix F.6.

Please refer to Appendix G.6.

For Conducted Spurious Emissions Measurement

For reporting purpose only.

Please refer to Appendix D.7.

Please refer to Appendix E.7.

Please refer to Appendix F.7.

Please refer to Appendix G.7.

4.9. Frequency Stability

Standard Applicable

According to FCC §15.407(g) “Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user manual.”

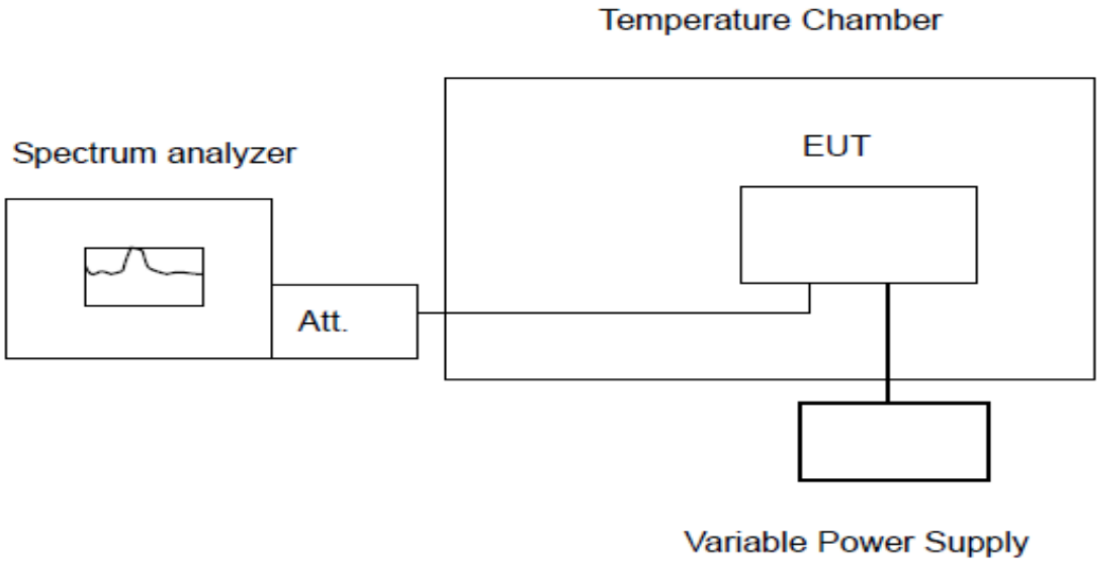
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(1) From -30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From -20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

(3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

Test Configuration



Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum anzlyer via feed through attenators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low engouh to obtain the desired frequency resoluation and measure EUT 20 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure wuth 10 degree increased per stage until the highest temperature of +50 degree reached.

Test Results

PASS

Remark:

1. Measured all conditions and recorded worst case.

IEEE 802.11a Mode / 5180 – 5240 MHz / 5180 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5171.562882	5150 – 5250	PASS
20	DC 21.6V	5171.607283	5150 – 5250	PASS
50	DC 24.0V	5171.520273	5150 – 5250	PASS
40	DC 24.0V	5171.661931	5150 – 5250	PASS
30	DC 24.0V	5171.669063	5150 – 5250	PASS
20	DC 24.0V	5171.548009	5150 – 5250	PASS
10	DC 24.0V	5171.643407	5150 – 5250	PASS
0	DC 24.0V	5171.607733	5150 – 5250	PASS
-10	DC 24.0V	5171.535487	5150 – 5250	PASS
-20	DC 24.0V	5171.620356	5150 – 5250	PASS
-30	DC 24.0V	5171.594483	5150 – 5250	PASS

IEEE 802.11a Mode / 5180 – 5240 MHz / 5240 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5248.605664	5150 – 5250	PASS
20	DC 21.6V	5248.542723	5150 – 5250	PASS
50	DC 24.0V	5248.567203	5150 – 5250	PASS
40	DC 24.0V	5248.559786	5150 – 5250	PASS
30	DC 24.0V	5248.685051	5150 – 5250	PASS
20	DC 24.0V	5248.550583	5150 – 5250	PASS
10	DC 24.0V	5248.553425	5150 – 5250	PASS
0	DC 24.0V	5248.640714	5150 – 5250	PASS
-10	DC 24.0V	5248.508633	5150 – 5250	PASS
-20	DC 24.0V	5248.520675	5150 – 5250	PASS
-30	DC 24.0V	5248.686976	5150 – 5250	PASS

IEEE 802.11a Mode / 5260 – 5320 MHz / 5260 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5251.655633	5250 – 5350	PASS
20	DC 21.6V	5251.523109	5250 – 5350	PASS
50	DC 24.0V	5251.603018	5250 – 5350	PASS
40	DC 24.0V	5251.645420	5250 – 5350	PASS
30	DC 24.0V	5251.694046	5250 – 5350	PASS
20	DC 24.0V	5251.545124	5250 – 5350	PASS
10	DC 24.0V	5251.627132	5250 – 5350	PASS
0	DC 24.0V	5251.645718	5250 – 5350	PASS
-10	DC 24.0V	5251.588713	5250 – 5350	PASS
-20	DC 24.0V	5251.620167	5250 – 5350	PASS
-30	DC 24.0V	5251.567824	5250 – 5350	PASS

IEEE 802.11a Mode / 5260 – 5320 MHz / 5320 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5328.637350	5250 – 5350	PASS
20	DC 21.6V	5328.670525	5250 – 5350	PASS
50	DC 24.0V	5328.510390	5250 – 5350	PASS
40	DC 24.0V	5328.533630	5250 – 5350	PASS
30	DC 24.0V	5328.691717	5250 – 5350	PASS
20	DC 24.0V	5328.693392	5250 – 5350	PASS
10	DC 24.0V	5328.502391	5250 – 5350	PASS
0	DC 24.0V	5328.529558	5250 – 5350	PASS
-10	DC 24.0V	5328.593604	5250 – 5350	PASS
-20	DC 24.0V	5328.696436	5250 – 5350	PASS
-30	DC 24.0V	5328.667896	5250 – 5350	PASS

IEEE 802.11a Mode / 5500 – 5700 MHz / 5500 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5491.599421	5470 – 5725	PASS
20	DC 21.6V	5491.594415	5470 – 5725	PASS
50	DC 24.0V	5491.564279	5470 – 5725	PASS
40	DC 24.0V	5491.503538	5470 – 5725	PASS
30	DC 24.0V	5491.550926	5470 – 5725	PASS
20	DC 24.0V	5491.589437	5470 – 5725	PASS
10	DC 24.0V	5491.592572	5470 – 5725	PASS
0	DC 24.0V	5491.679023	5470 – 5725	PASS
-10	DC 24.0V	5491.619158	5470 – 5725	PASS
-20	DC 24.0V	5491.512641	5470 – 5725	PASS
-30	DC 24.0V	5491.689202	5470 – 5725	PASS

IEEE 802.11a Mode / 5500 – 5700 MHz / 5700 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5708.554544	5470 – 5725	PASS
20	DC 21.6V	5708.590608	5470 – 5725	PASS
50	DC 24.0V	5708.672775	5470 – 5725	PASS
40	DC 24.0V	5708.645096	5470 – 5725	PASS
30	DC 24.0V	5708.564402	5470 – 5725	PASS
20	DC 24.0V	5708.587883	5470 – 5725	PASS
10	DC 24.0V	5708.604911	5470 – 5725	PASS
0	DC 24.0V	5708.539607	5470 – 5725	PASS
-10	DC 24.0V	5708.658530	5470 – 5725	PASS
-20	DC 24.0V	5708.631581	5470 – 5725	PASS
-30	DC 24.0V	5708.524678	5470 – 5725	PASS

IEEE 802.11a Mode / 5745 – 5825 MHz / 5745 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5736.503897	5725 – 5850	PASS
20	DC 21.6V	5736.522414	5725 – 5850	PASS
50	DC 24.0V	5736.520787	5725 – 5850	PASS
40	DC 24.0V	5736.670655	5725 – 5850	PASS
30	DC 24.0V	5736.609924	5725 – 5850	PASS
20	DC 24.0V	5736.668740	5725 – 5850	PASS
10	DC 24.0V	5736.561202	5725 – 5850	PASS
0	DC 24.0V	5736.566862	5725 – 5850	PASS
-10	DC 24.0V	5736.563091	5725 – 5850	PASS
-20	DC 24.0V	5736.557145	5725 – 5850	PASS
-30	DC 24.0V	5736.566334	5725 – 5850	PASS

IEEE 802.11a Mode / 5745 – 5825 MHz / 5825 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 26.4V	5833.541283	5725 – 5850	PASS
20	DC 21.6V	5833.511053	5725 – 5850	PASS
50	DC 24.0V	5833.519263	5725 – 5850	PASS
40	DC 24.0V	5833.511101	5725 – 5850	PASS
30	DC 24.0V	5833.573133	5725 – 5850	PASS
20	DC 24.0V	5833.521507	5725 – 5850	PASS
10	DC 24.0V	5833.605616	5725 – 5850	PASS
0	DC 24.0V	5833.546152	5725 – 5850	PASS
-10	DC 24.0V	5833.689132	5725 – 5850	PASS
-20	DC 24.0V	5833.628673	5725 – 5850	PASS
-30	DC 24.0V	5833.512585	5725 – 5850	PASS

4.10. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Antenna Information

The antenna is Internal Aantenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 3.87dBi.

Reference to the **CTA24103100101**.

5. TEST SETUP PHOTOS OF THE EUT

Reference to the test report No. **CTA24103100101.**

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. **CTA24103100101.**

.....End of Report.....