

### 7.3 Limit

- (1) For transmitters operating in the 5.15-5.25GHz band: all emissions outside of the 5.15-5.35GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35GHz band: all emissions outside of the 5.15-5.35GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725GHz band: all emissions outside of the 5.47 5-5.725GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85GHz band: all emissions within the frequency range from the band edge to 10MHz above or below the band edge shall not exceed an EIRP of -17dBm/MHz; for frequencies 10MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz.

Frequency [MHz]	Field strength		Distance [m]
	[uV/m]	[dBuV/m]	
0.009-0.490	2400 / F [kHz]	20logE [uV/m]	300
0.490-1.705	24000 / F [kHz]	20logE [uV/m]	30
1.705-30	30	29.5	30
30-88	100	40.0	3
88-216	150	43.5	3
216-960	200	46.0	3
Above 960	500	54.0	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level [dBuV/m] = 20log Emission [uV/m]
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition modulation.

## 7.4 Test data

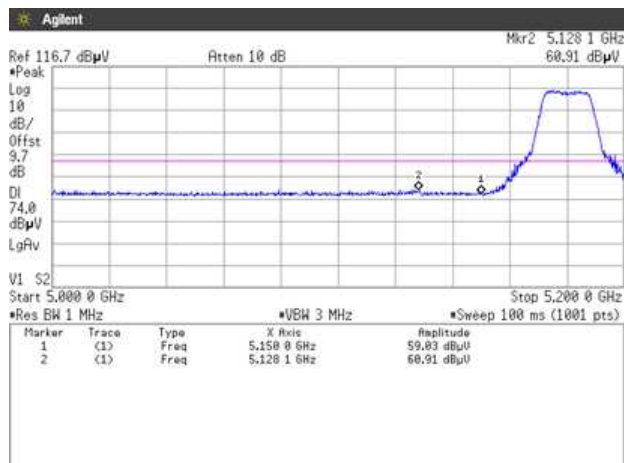
Date : April 24, 2017  
 Temperature : 23.8 [°C]  
 Humidity : 24.2 [%]  
 Test place : 3m Semi-anechoic chamber

Test engineer : Taiki Watanabe

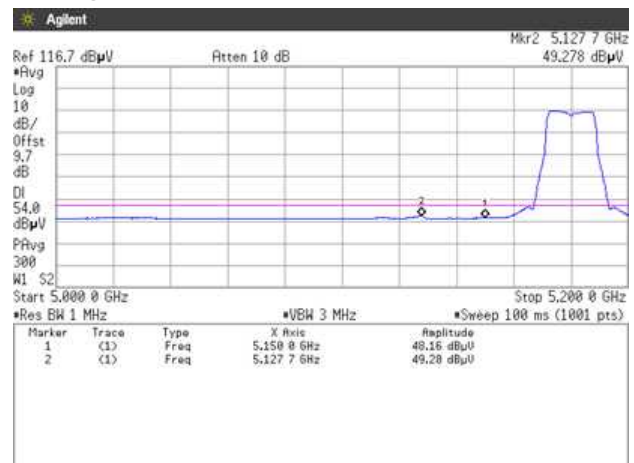
### 7.4.1 Restricted Bandedge

[IEEE802.11a]

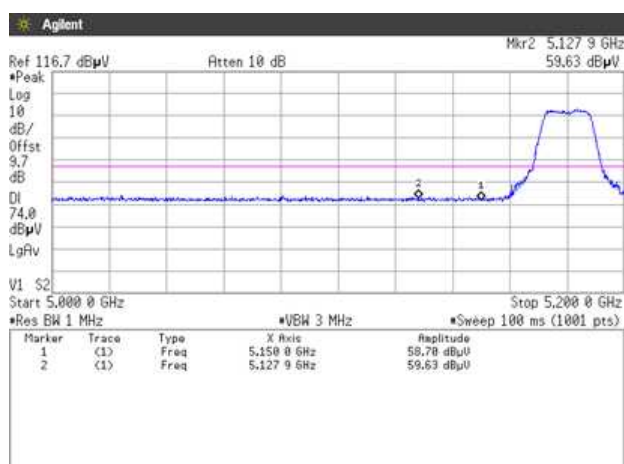
#### 5.2GHz Band, Channel Low Horizontal Peak



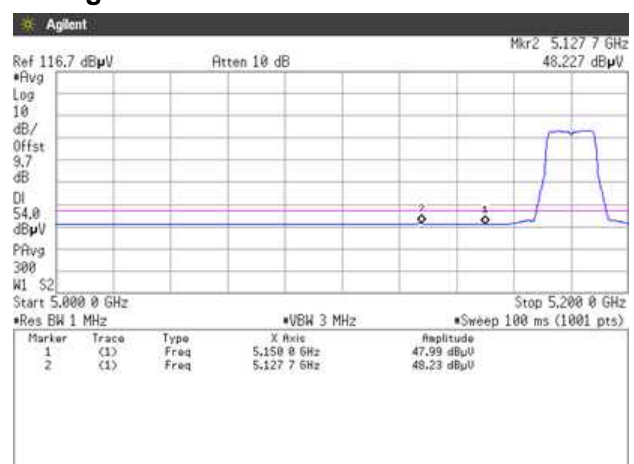
#### Average



#### Vertical Peak

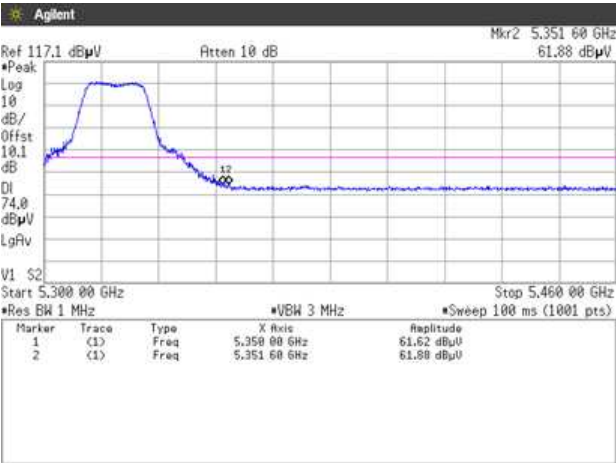


#### Average

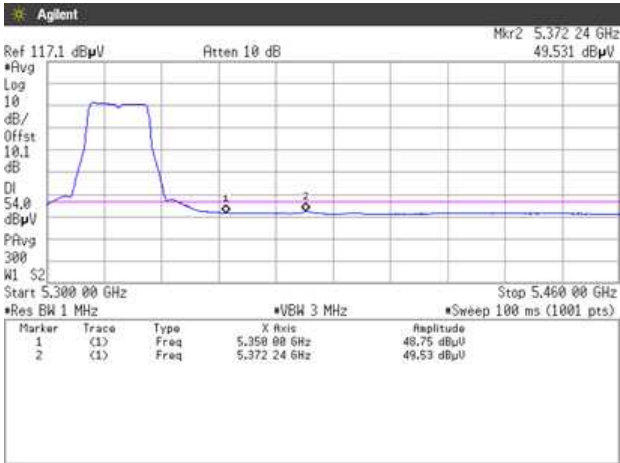


[IEEE802.11a]

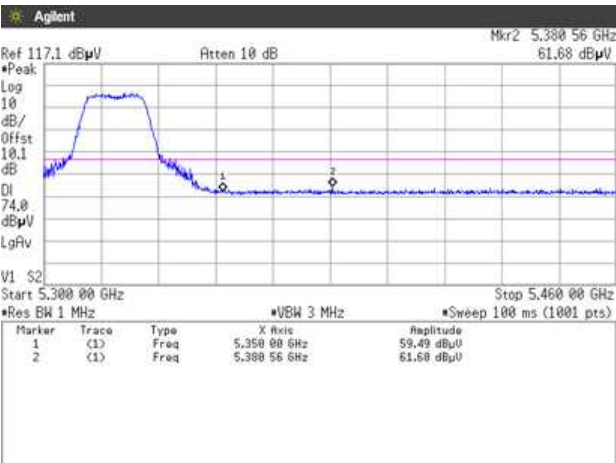
5.3GHz Band, Channel High  
Horizontal  
Peak



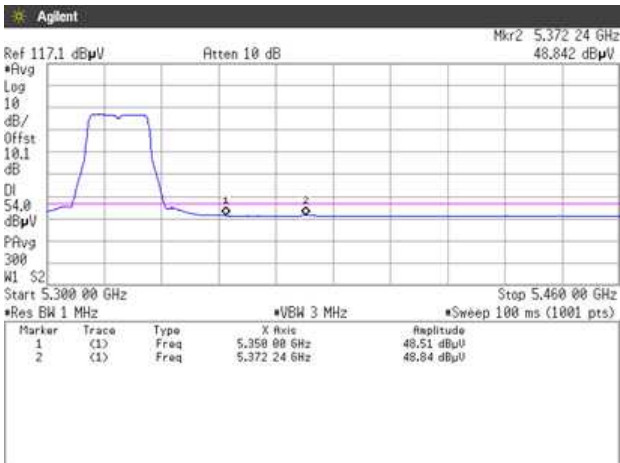
Average



Vertical  
Peak

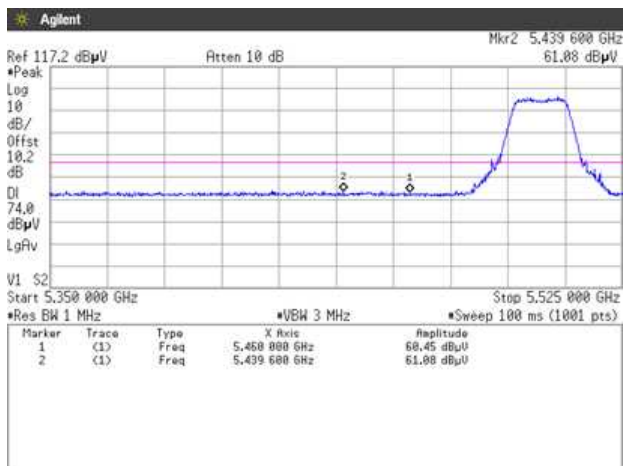


Average

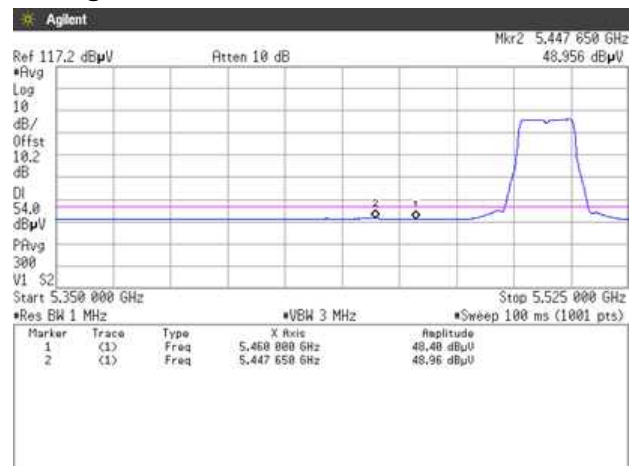


[IEEE802.11a]

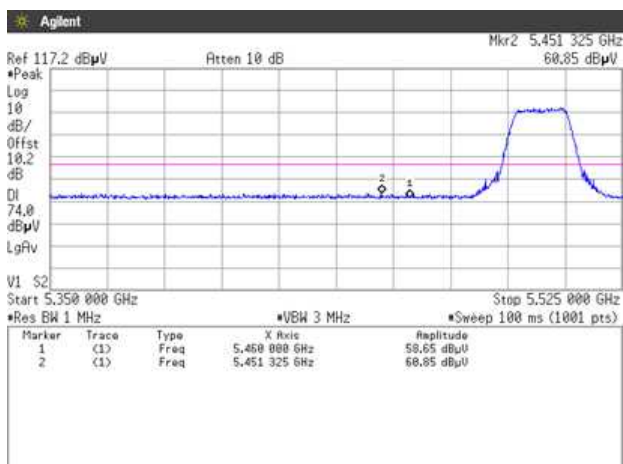
### 5.6GHz Band, Channel Low Horizontal Peak



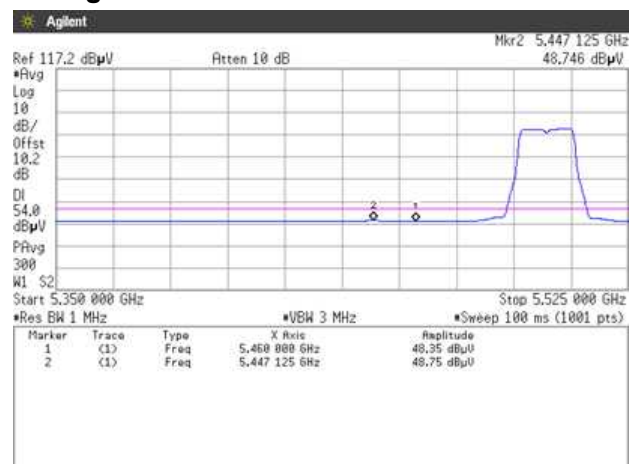
### Average



### Vertical Peak

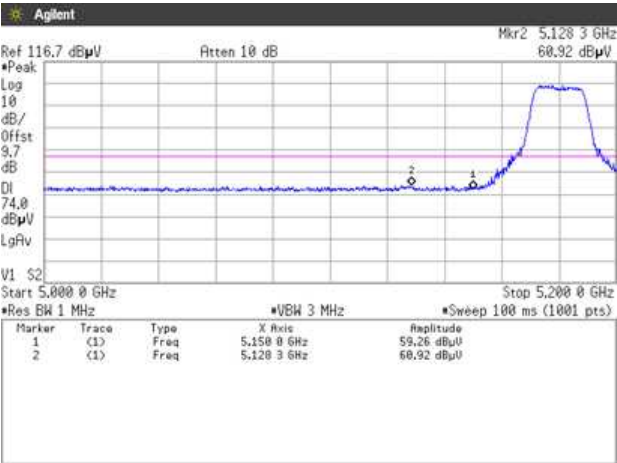


### Average

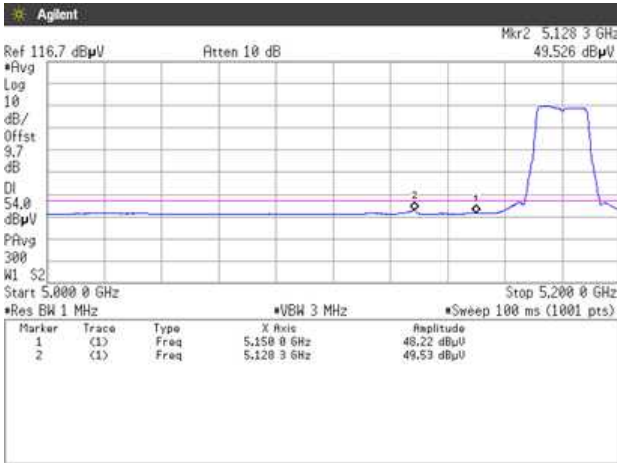


[IEEE802.11n (HT20)]

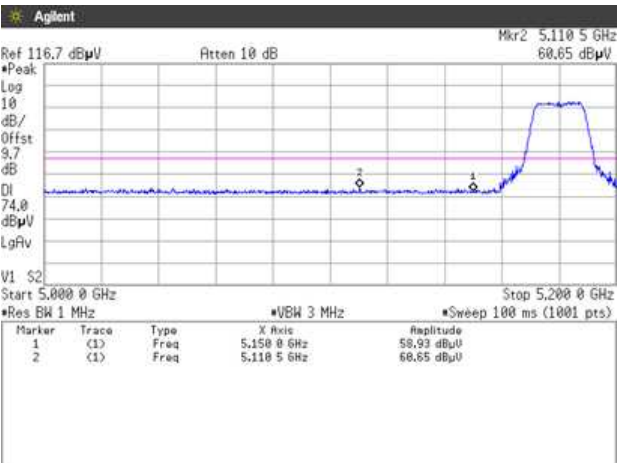
5.2GHz Band, Channel Low  
Horizontal  
Peak



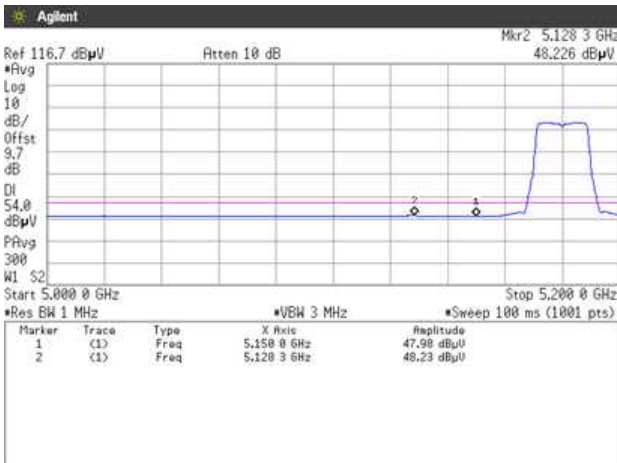
Average



Vertical  
Peak

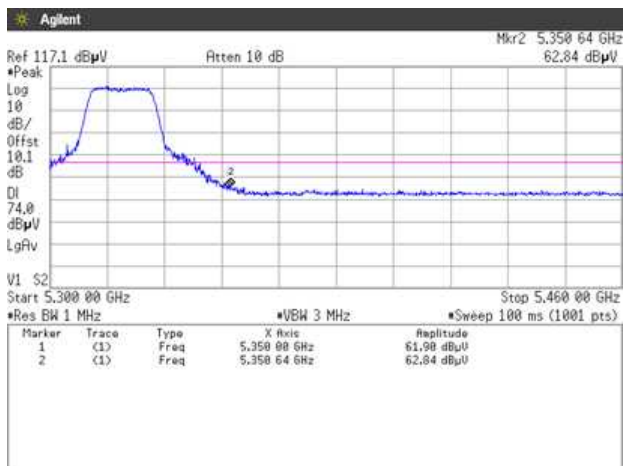


Average

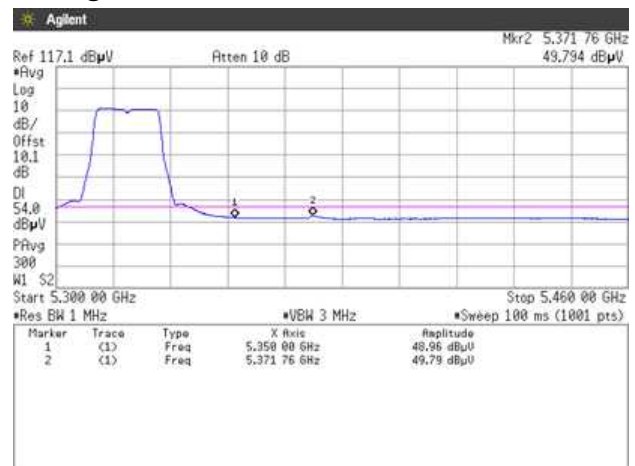


## [IEEE802.11n (HT20)]

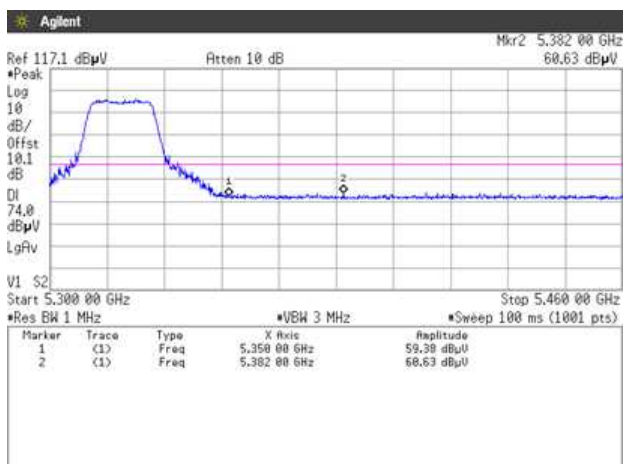
### 5.3GHz Band, Channel High Horizontal Peak



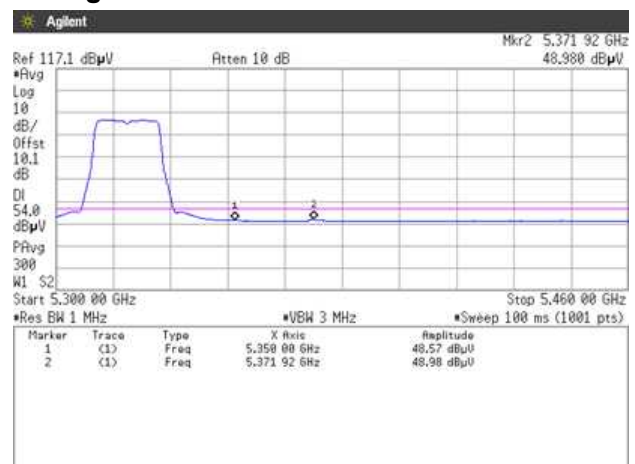
## Average



### Vertical Peak

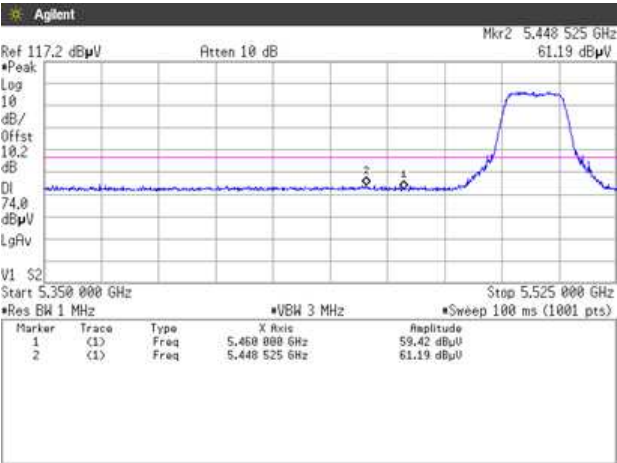


## Average

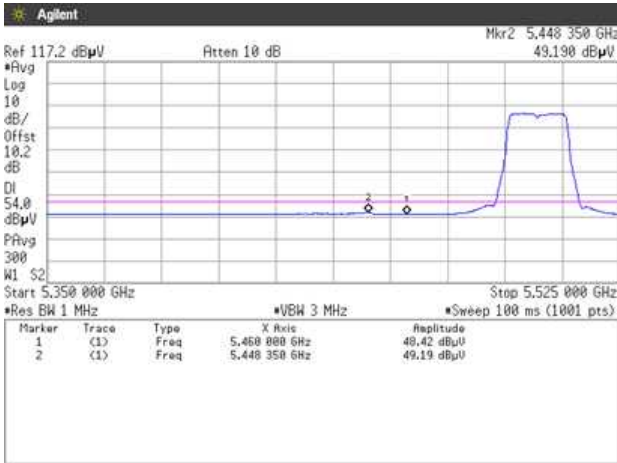


[IEEE802.11n (HT20)]

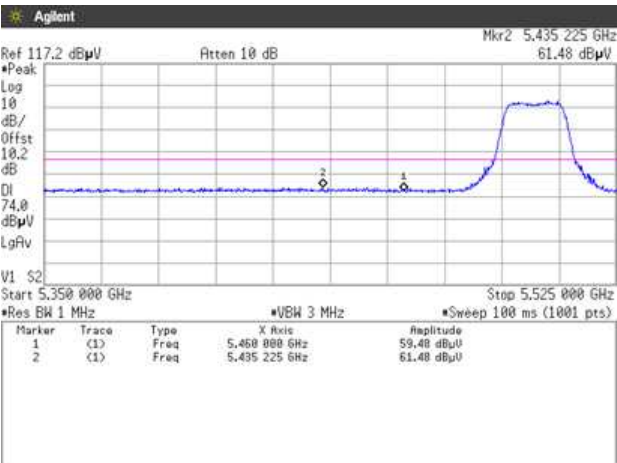
5.6GHz Band, Channel Low  
Horizontal  
Peak



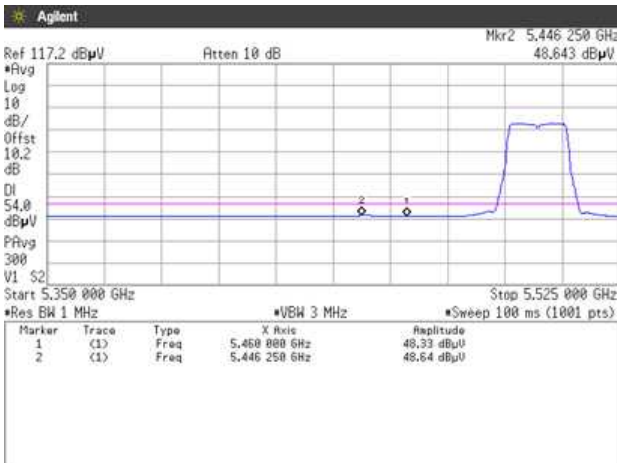
Average



Vertical  
Peak



Average

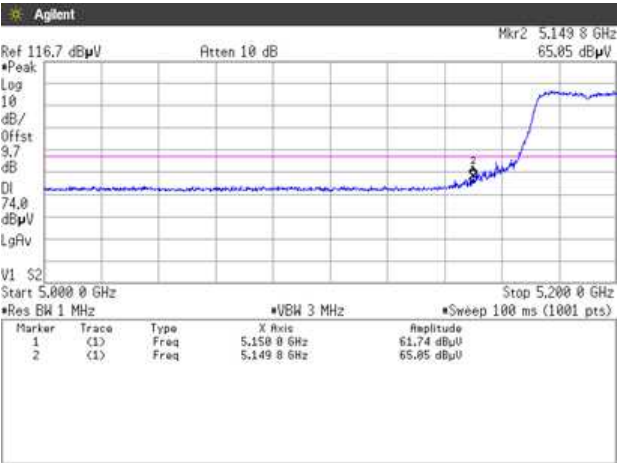




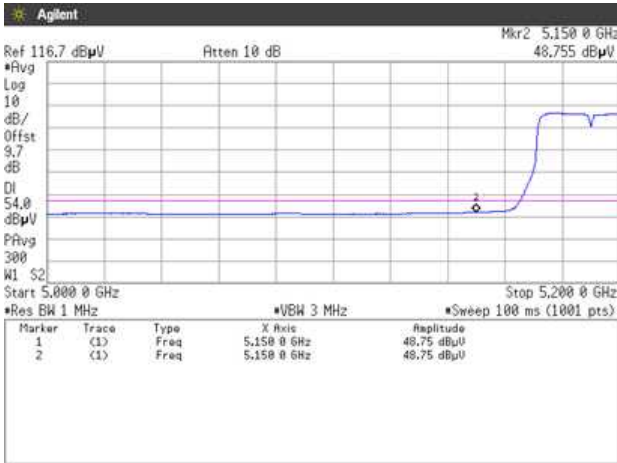
Zacta

[IEEE802.11n (HT40)]

5.2GHz Band, Channel Low  
Horizontal  
Peak



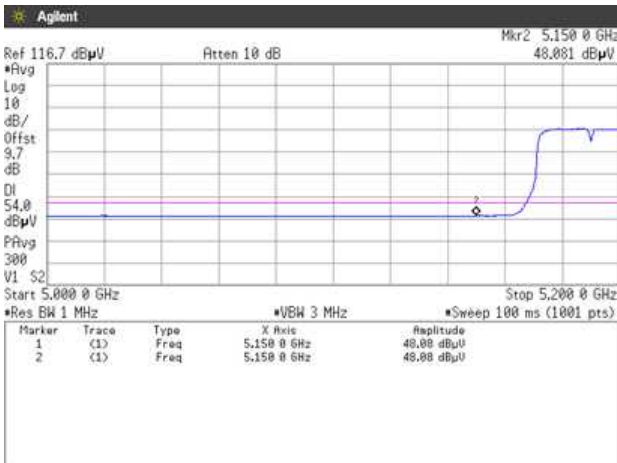
Average



Vertical  
Peak



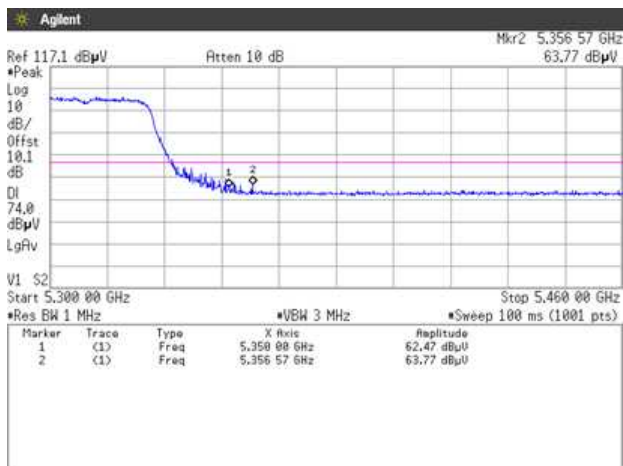
Average



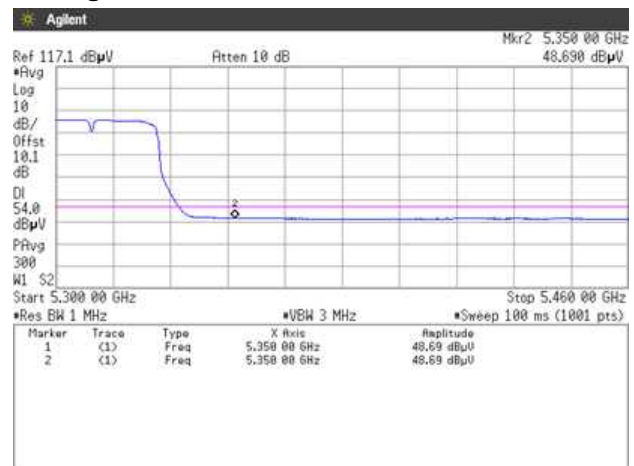


## [IEEE802.11n (HT40)]

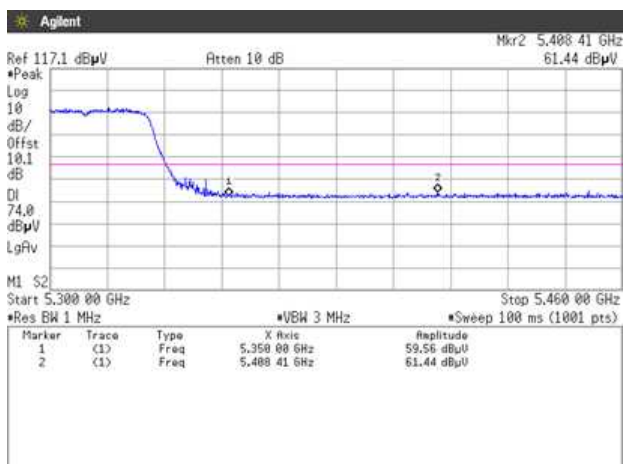
### 5.3GHz Band, Channel High Horizontal Peak



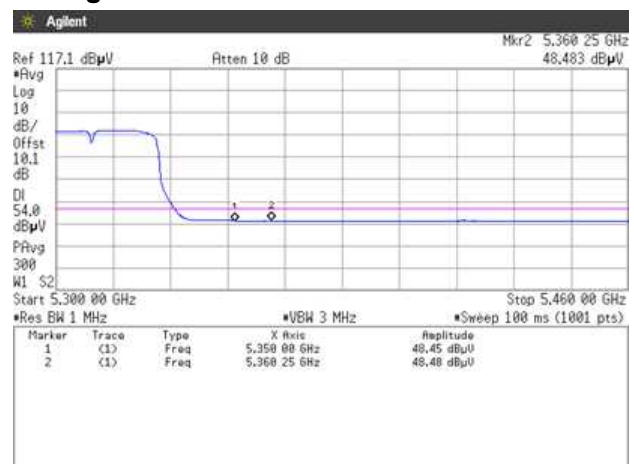
## Average



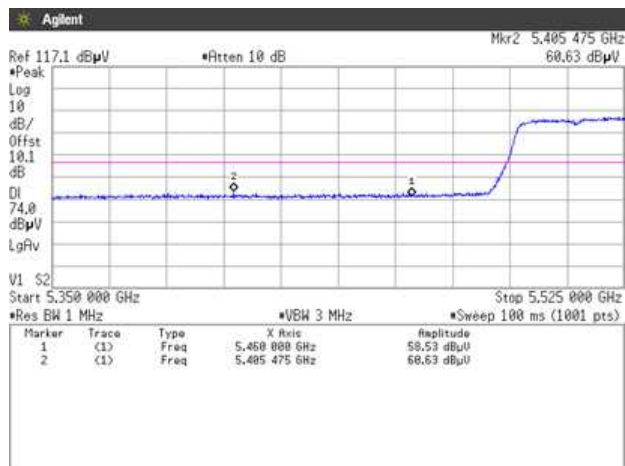
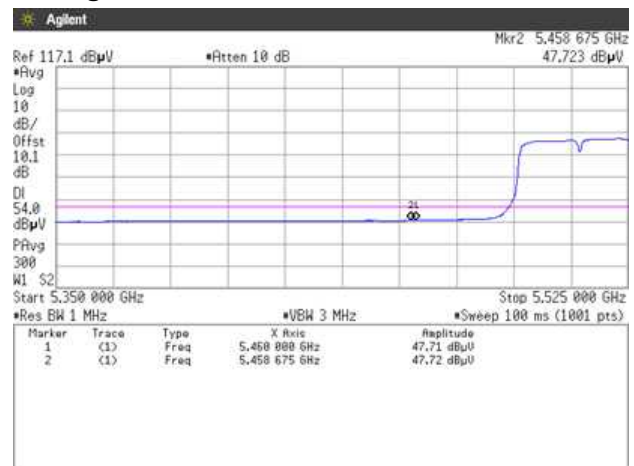
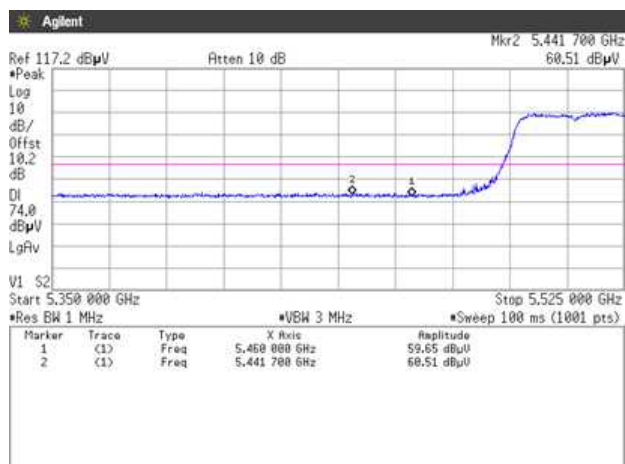
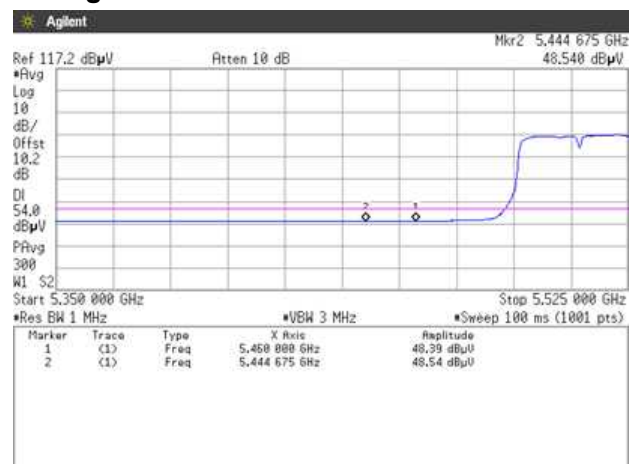
### Vertical Peak



## Average

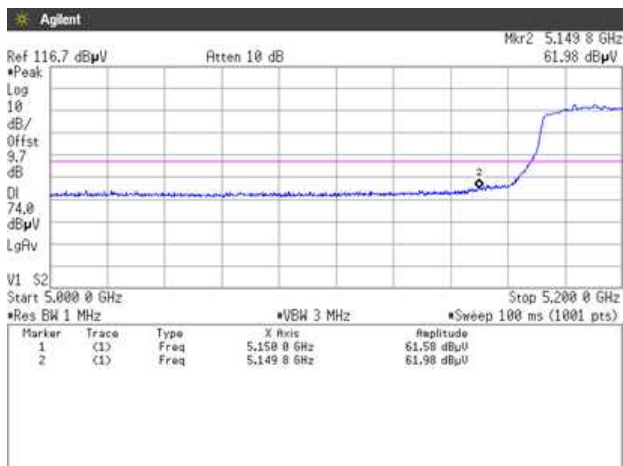


## [IEEE802.11n (HT40)]

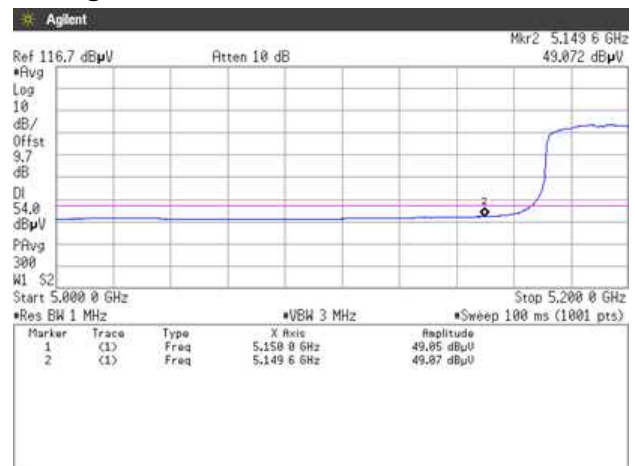
**5.6GHz Band, Channel Low**  
**Horizontal**  
**Peak**
**Average**
**Vertical**  
**Peak**
**Average**

## [IEEE802.11ac (HT80)]

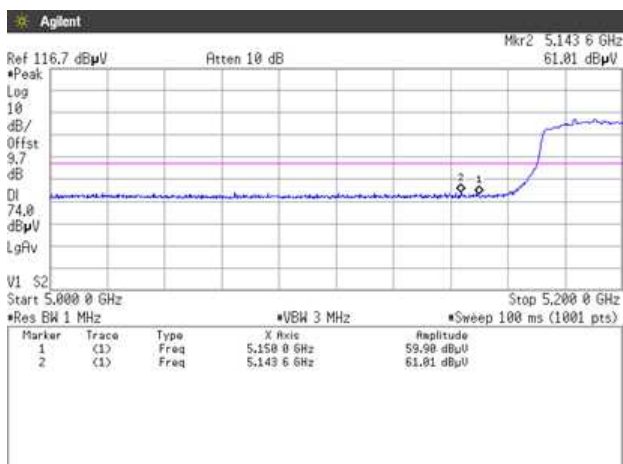
### 5.2GHz Band, Channel Low Horizontal Peak



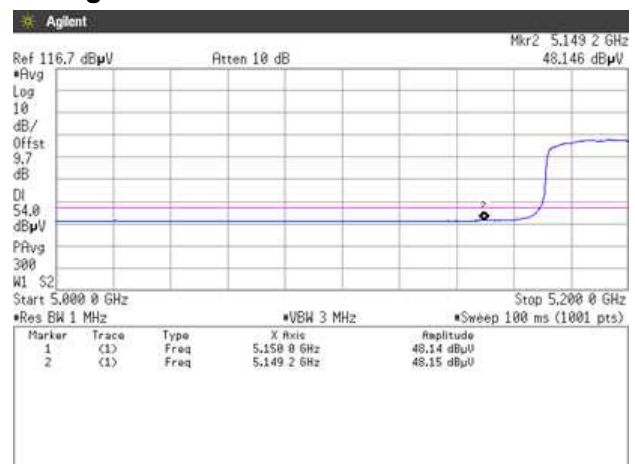
## Average



### Vertical Peak

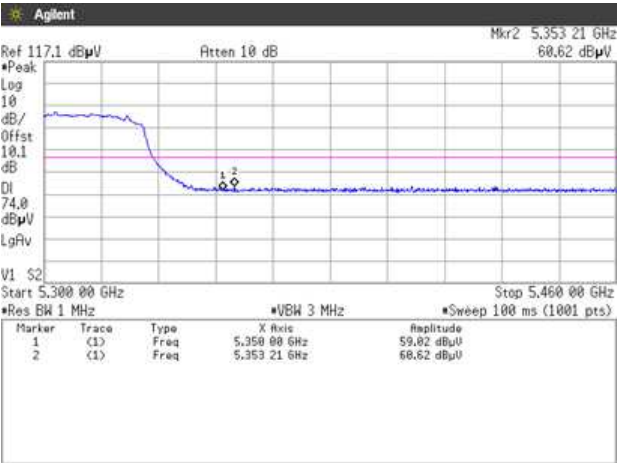


## Average

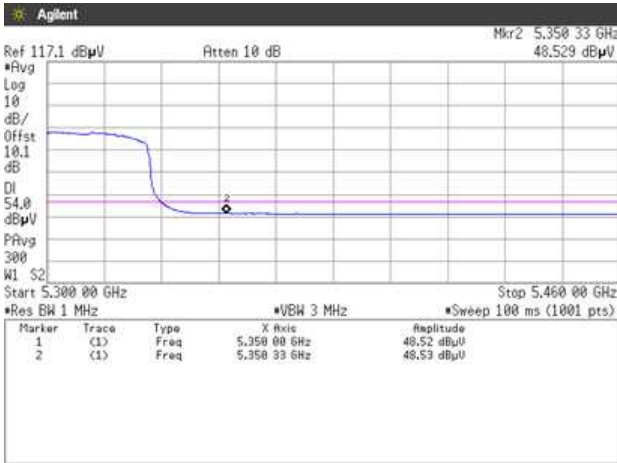


[IEEE802.11ac (HT80)]

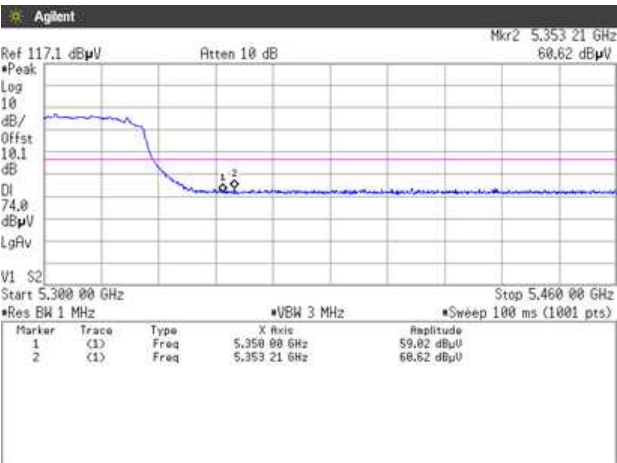
5.3GHz Band, Channel High  
Horizontal  
Peak



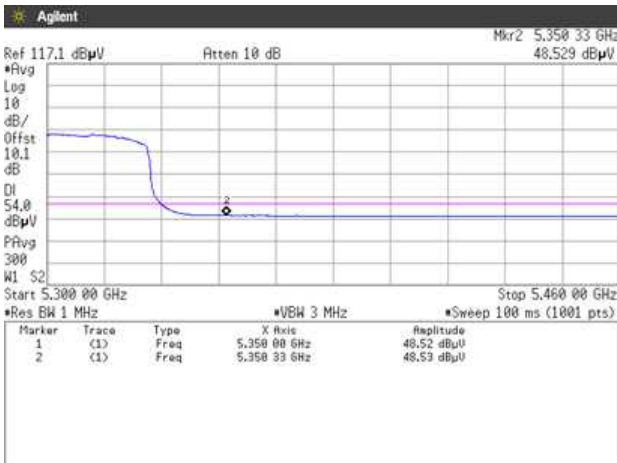
Average



Vertical  
Peak

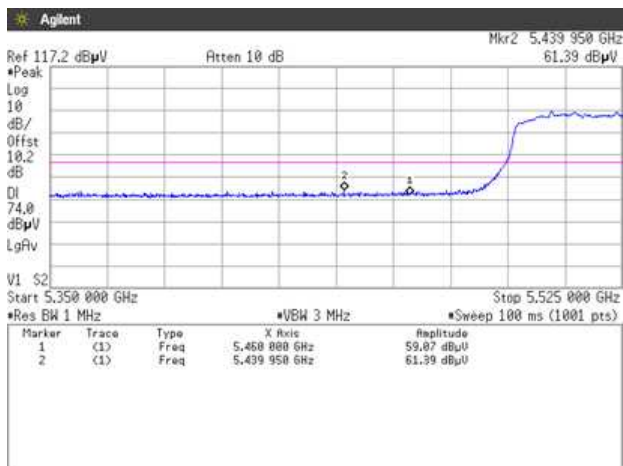


Average

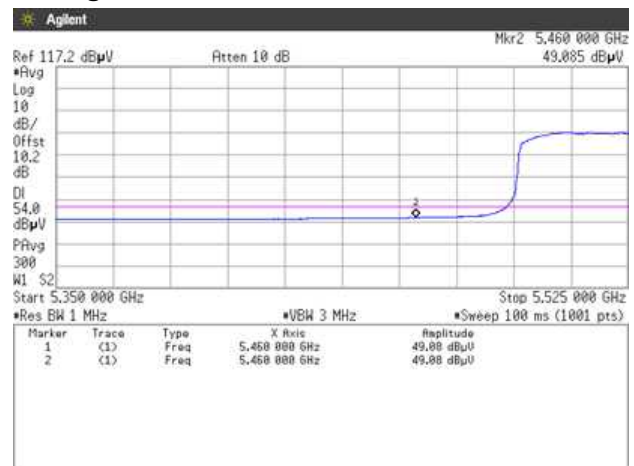


## [IEEE802.11ac (HT80)]

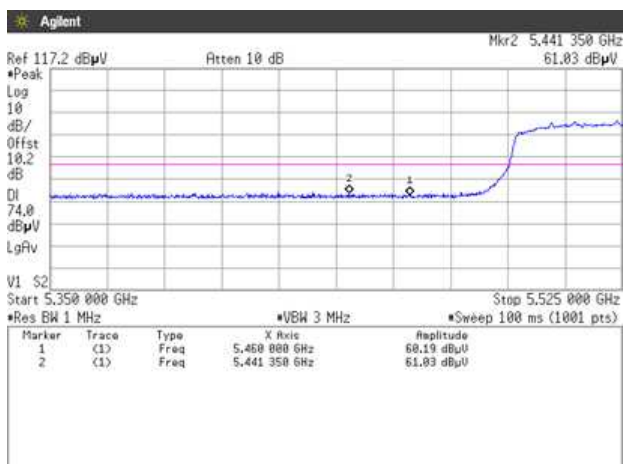
### 5.6GHz Band, Channel Low Horizontal Peak



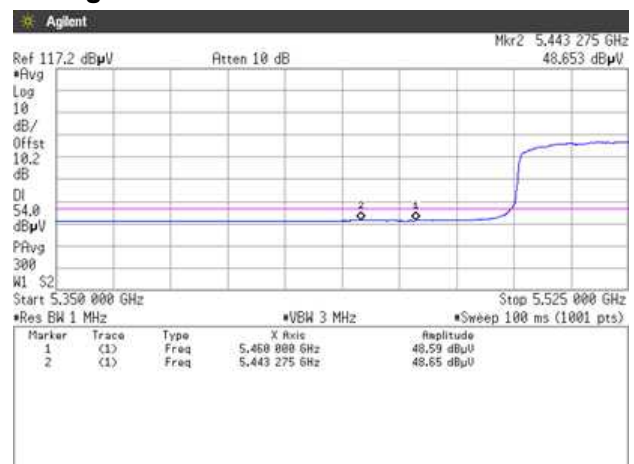
## Average



### Vertical Peak



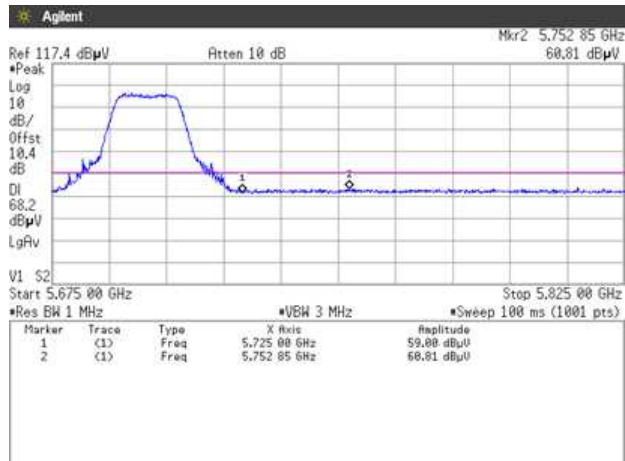
## Average



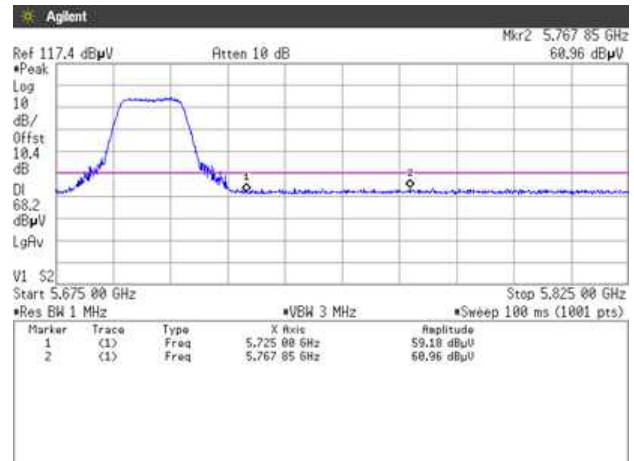
## 7.4.2 Non-Restricted Bandedge

[IEEE802.11a]

### 5.6GHz Band, Channel High Peak Horizontal

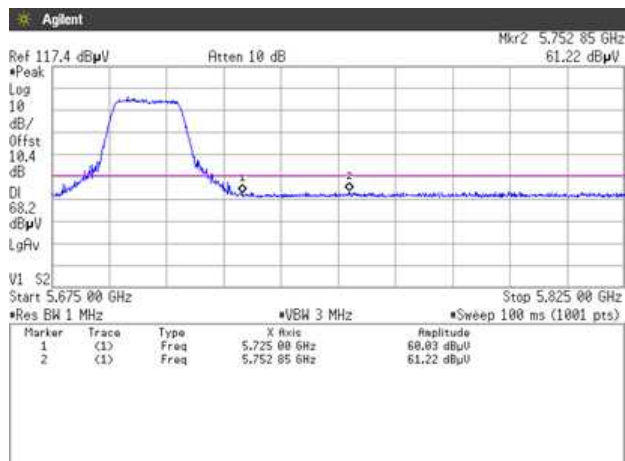


### Vertical

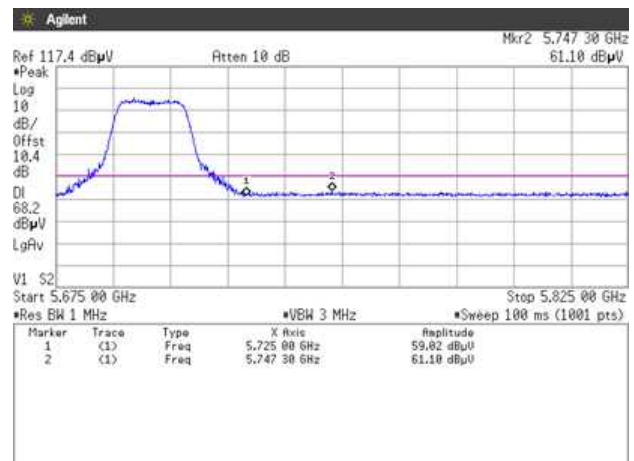


[IEEE802.11n (HT20)]

### 5.6GHz Band, Channel High Peak Horizontal

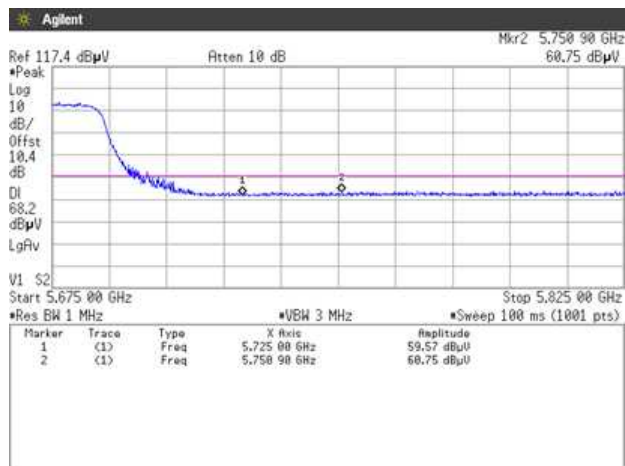


### Vertical

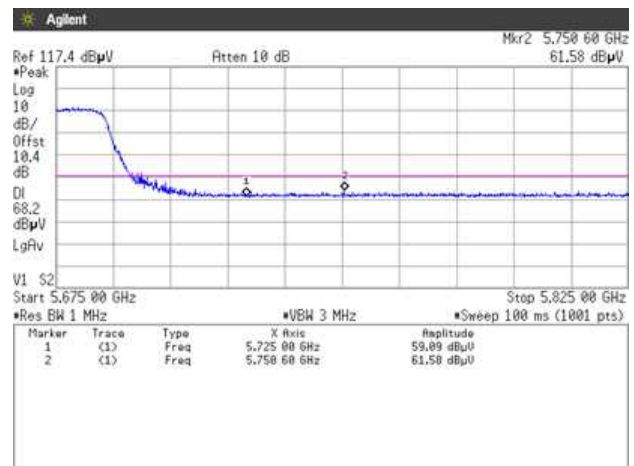


## [IEEE802.11n (HT40)]

### 5.6GHz Band, Channel High Peak Horizontal

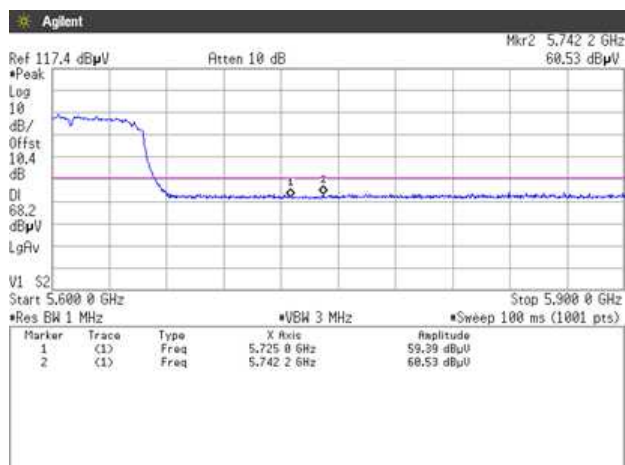


## Vertical

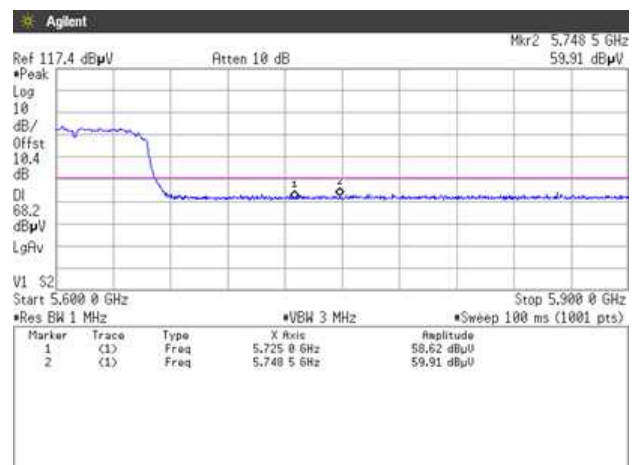


## [IEEE802.11ac (HT80)]

### 5.6GHz Band, Channel High Peak Horizontal



## Vertical



### 7.4.3 Radiated Emissions

Date	: May 9, 2017		
Temperature	: 24.1 [°C]		
Humidity	: 27.1 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 11, 2017		
Temperature	: 22.4 [°C]		
Humidity	: 46.3 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 12, 2017		
Temperature	: 26.0 [°C]		
Humidity	: 32.6 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 16, 2017		
Temperature	: 22.1 [°C]		
Humidity	: 38.7 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 17, 2017		
Temperature	: 23.2 [°C]		
Humidity	: 29.4 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 18, 2017		
Temperature	: 23.1 [°C]		
Humidity	: 31.1 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 19, 2017		
Temperature	: 24.1 [°C]		
Humidity	: 30.6 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 23, 2017		
Temperature	: 22.9 [°C]		
Humidity	: 44.2 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 24, 2017		
Temperature	: 23.2 [°C]		
Humidity	: 44.3 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>
Date	: May 31, 2017		
Temperature	: 24.0 [°C]		
Humidity	: 41.9 [%]	Test engineer	:
Test place	: 3m Semi-anechoic chamber		<u>Taiki Watanabe</u>



**[IEEE802.11a]**  
**(5.2GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11a	36	5180	10360.00	H	PK	48.0	10.3		58.3	68.2	9.9
	40	5200	10400.00	H	PK	46.3	10.4		56.7	68.2	11.5
	48	5240	10480.00	H	PK	46.4	10.5		56.9	68.2	11.3

**(5.3GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11a	52	5260	10520.00	H	PK	47.0	10.6		57.6	68.2	10.6
	56	5280	10560.00	H	PK	47.7	10.6		58.3	68.2	9.9
	64	5320	10640.00	H	PK	47.3	10.7		58.0	74.0	16.0
			10640.00	H	AV	36.0	10.7		46.7	54.0	7.3

**(5.6GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11a	100	5500	5462.10	H	PK	50.4	10.2		60.6	68.2	7.6
			5462.50	V	PK	49.5	10.2		59.7	68.2	8.5
			11000.00	H	PK	47.4	11.1		58.5	74.0	15.5
			11000.00	H	AV	35.7	11.1		46.8	54.0	7.2
	116	5580	11160.00	H	PK	47.9	11.4		59.3	74.0	14.7
			11160.00	H	AV	36.2	11.4		47.6	54.0	6.4
	140	5700	11400.00	H	PK	46.5	11.6		58.1	74.0	15.9
			11400.00	H	AV	35.5	11.6		47.1	54.0	6.9

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30MHz to 1000MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11n (HT20)]****(5.2GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (20MHz)	36	5180	10360.00	H	PK	47.8	10.3		58.1	68.2	10.1
	40	5200	10400.00	H	PK	45.7	10.4		56.1	68.2	12.1
	48	5240	10480.00	H	PK	46.0	10.5		56.5	68.2	11.7

**(5.3GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (20MHz)	52	5260	10520.00	H	PK	46.9	10.6		57.5	68.2	10.7
	56	5280	10560.00	H	PK	46.6	10.6		57.2	68.2	11.0
	64	5320	10640.00	H	PK	46.8	10.7		57.5	74.0	16.5
			10640.00	H	AV	36.0	10.7		46.7	54.0	7.3

**(5.6GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (20MHz)	100	5500	5462.10	H	PK	50.4	10.2		60.6	68.2	7.6
			5468.50	V	PK	49.5	10.2		59.7	68.2	8.5
			11000.00	H	PK	47.1	11.2		58.3	74.0	15.7
			11000.00	H	AV	35.8	11.2		47.0	54.0	7.0
	116	5580	11160.00	H	PK	47.8	11.4		59.2	74.0	14.8
			11160.00	H	AV	36.1	11.4		47.5	54.0	6.5
	140	5700	11400.00	H	PK	47.2	11.6		58.8	74.0	15.2
			11400.00	H	AV	35.9	11.6		47.5	54.0	6.5

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30MHz to 1000MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11n (HT40)]**  
**(5.2GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (40MHz)	38	5190	10380.00	H	PK	47.2	10.3		57.5	68.2	10.7
	46	5230	10460.00	H	PK	47.7	10.5		58.2	68.2	10.0

**(5.3GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (40MHz)	54	5270	10540.00	H	PK	47.1	10.6		57.7	68.2	10.5
	62	5310	10620.00	H	PK	46.9	11.3		58.2	74.0	15.8
			10620.00	H	AV	36.6	11.3		47.9	54.0	6.1

**(5.6GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11n (40MHz)	102	5510	5468.00	H	PK	50.6	10.2		60.8	68.2	7.4
			5468.10	V	PK	50.3	10.2		60.5	68.2	7.7
			11020.00	H	PK	46.5	11.2		57.7	74.0	16.3
			11020.00	H	AV	36.0	11.2		47.2	54.0	6.8
	110	5550	11100.00	H	PK	47.1	11.2		58.3	74.0	15.7
			11100.00	H	AV	36.9	11.2		48.1	54.0	5.9
	134	5670	11340.00	H	PK	47.2	11.5		58.7	74.0	15.3
			11340.00	H	AV	36.2	11.5		47.7	54.0	6.3

Note:

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30MHz to 1000MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

**[IEEE802.11ac (HT80)]**  
**(5.2GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11ac (80MHz)	42	5210	10420.00	H	PK	46.2	10.4		56.6	68.2	11.6

**(5.3GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11ac (80MHz)	58	5290	10580.00	H	PK	46.8	10.6		57.4	68.2	10.8

**(5.6GHz Band)**

Mode	Channel	Frequency (MHz)	Frequency (MHz)	ANT H/V	Detector PK/AV	Reading (dBμV)	C.F (dB)	DCF (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
802.11ac (80MHz)	106	5530	5469.80	H	PK	51.4	10.6		62.0	68.2	6.2
			5465.60	V	PK	50.8	10.6		61.4	68.2	6.8
			11060.00	H	PK	46.3	11.2		57.5	74.0	16.5
			11060.00	H	AV	37.9	11.2	0.17	49.3	54.0	4.7
	122	5610	11220.00	H	PK	47.0	11.4		58.4	74.0	15.6
			11220.00	H	AV	36.6	11.4	0.17	48.2	54.0	5.8

**Note:**

1. Emission Level (Margin) = Limit - [Reading + C.F ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 30MHz to 1000MHz at the 3 meters distance.
3. No emission was detected in the receive mode.

## 7.4.4 Measurement chart

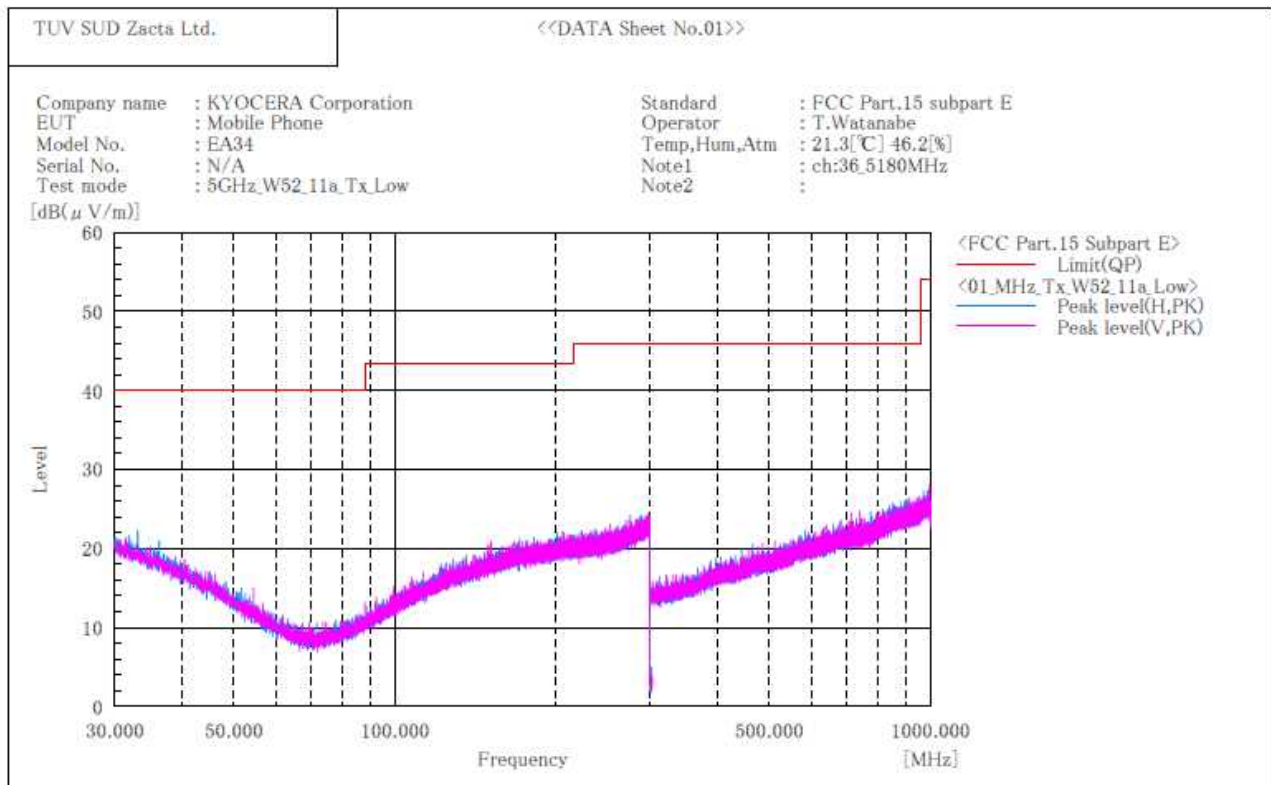
### 7.4.4.1 Transmission mode

[11a]

W52 / Channel Low

BELOW 1GHz

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
[ 3m Semi-anechoic chamber ]



#### Final Result

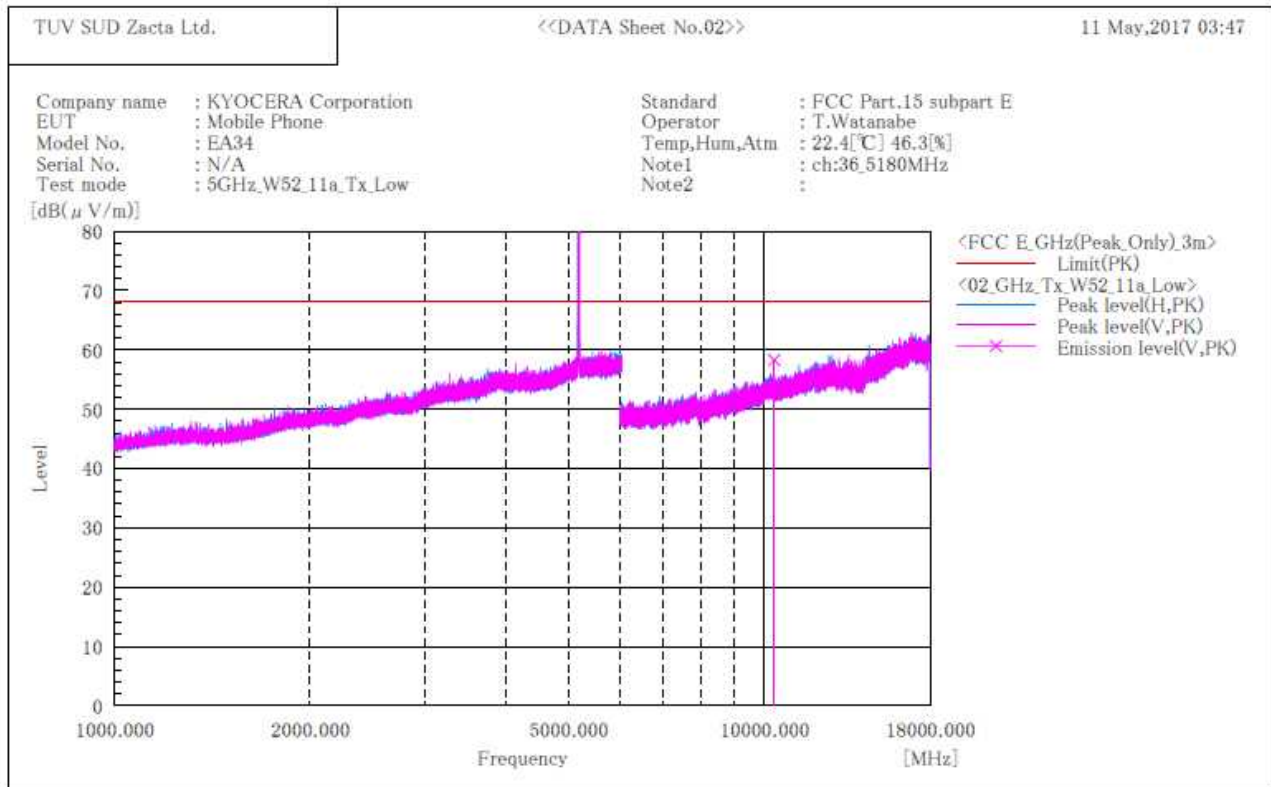
No.	Frequency (P)	c. f	Height	Angle
	[MHz]	[dB(1/m)]	[cm]	[°]

#### Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W52 / Channel Low**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

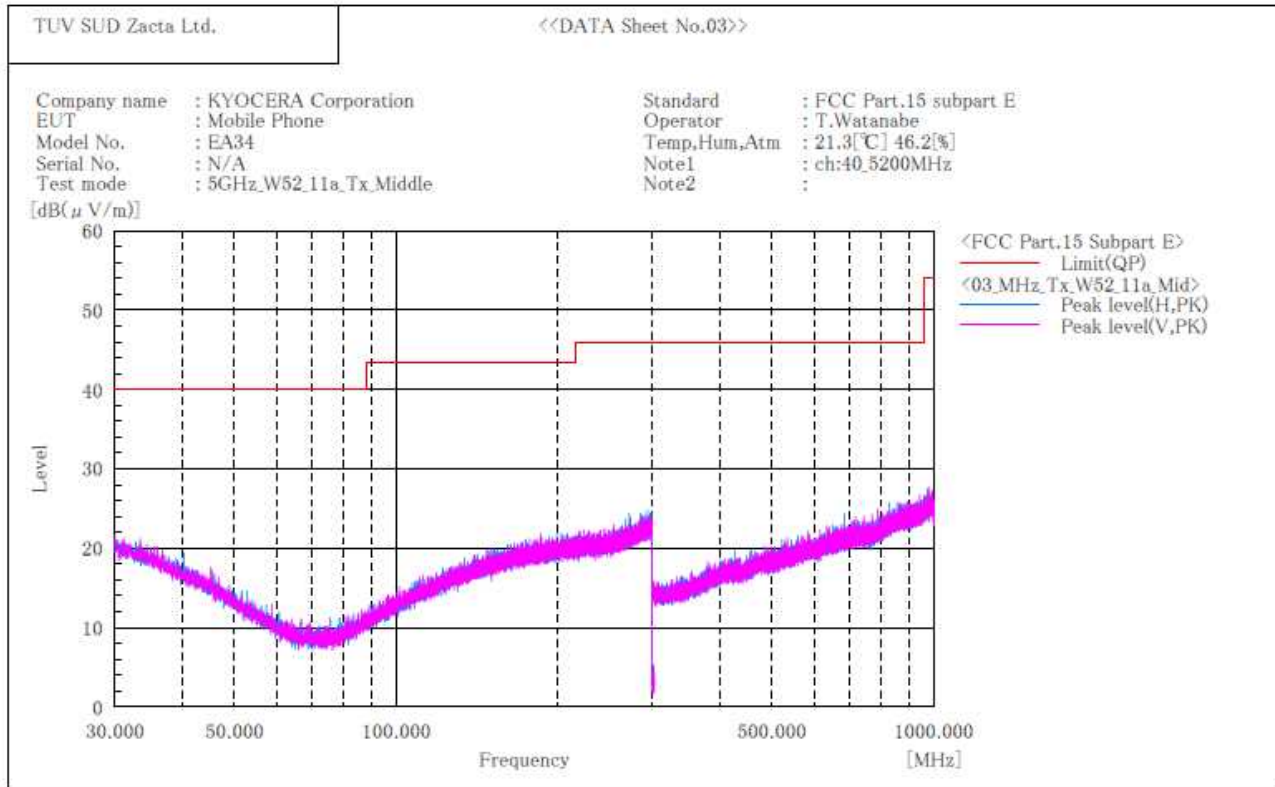
No.	Frequency (P)	Reading PK	c.f	Result PK	Limit PK	Margin PK	Height	Angle	Remark
	[MHz]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[cm]	[°]	
1	10360.000	48.0	10.3	58.3	68.2	9.9	136.0	231.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W52 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

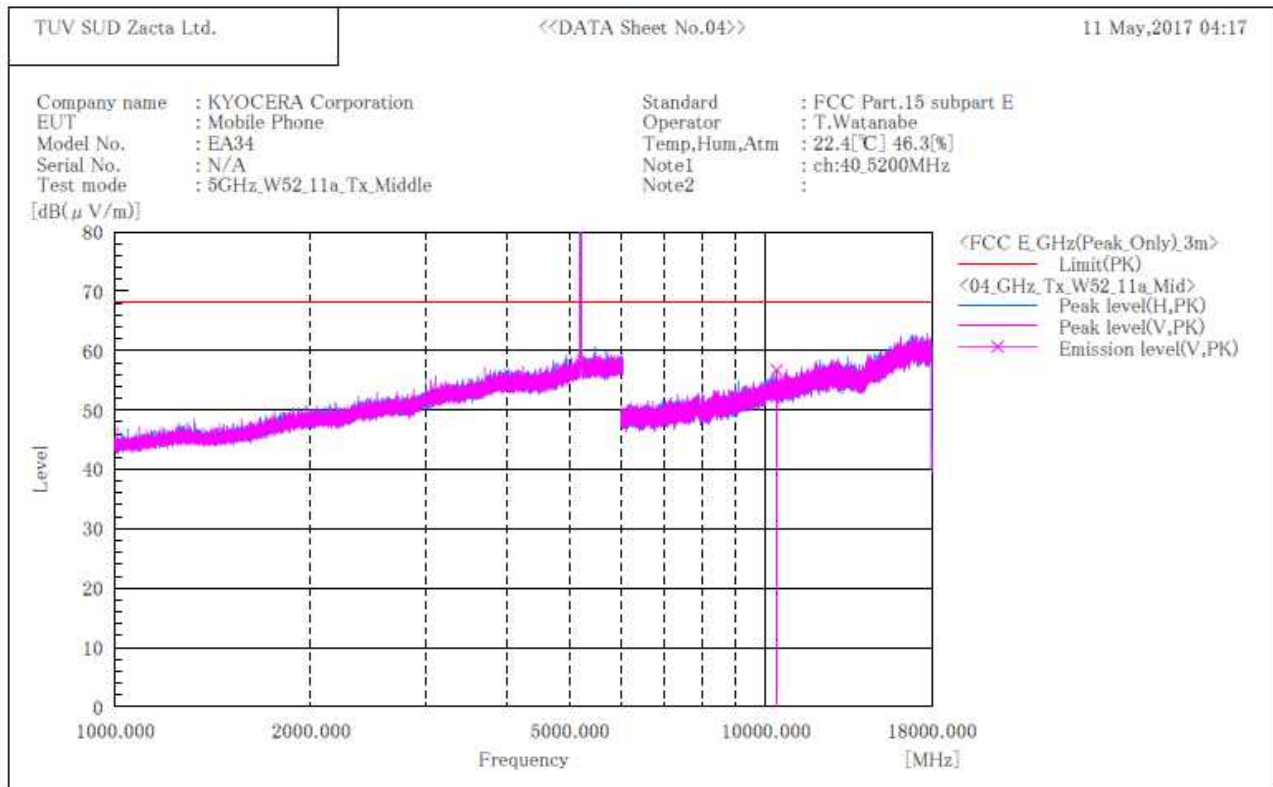
No.	Frequency (P)	c.f	Height	Angle
	[MHz]	[dB(1/m)]	[cm]	[°]

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W52 / Channel Middle**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency (P)	Reading	c. f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]	PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10400.000	V 46.3	10.4	56.7	68.2	11.5	142.0	238.0	

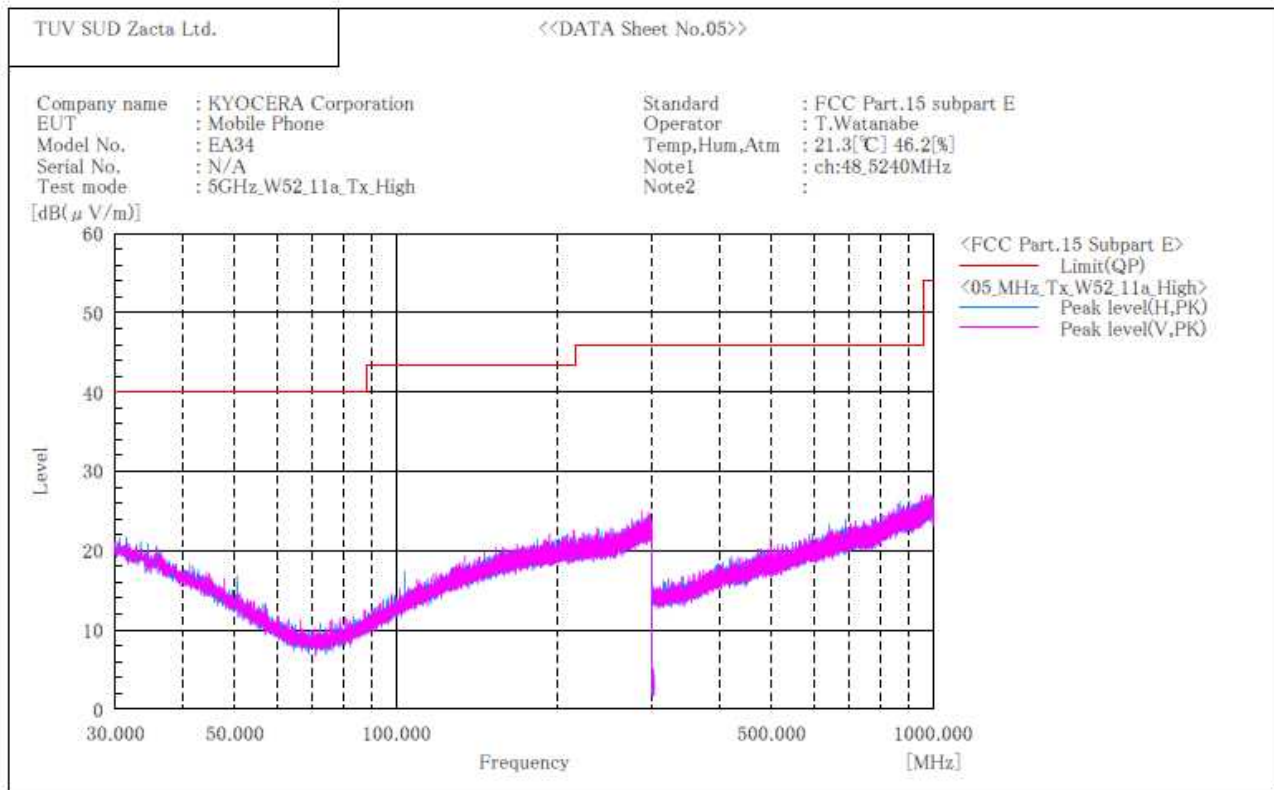
**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11a]  
W52 / Channel High  
BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
[ 3m Semi-anechoic chamber ]



**Final Result**

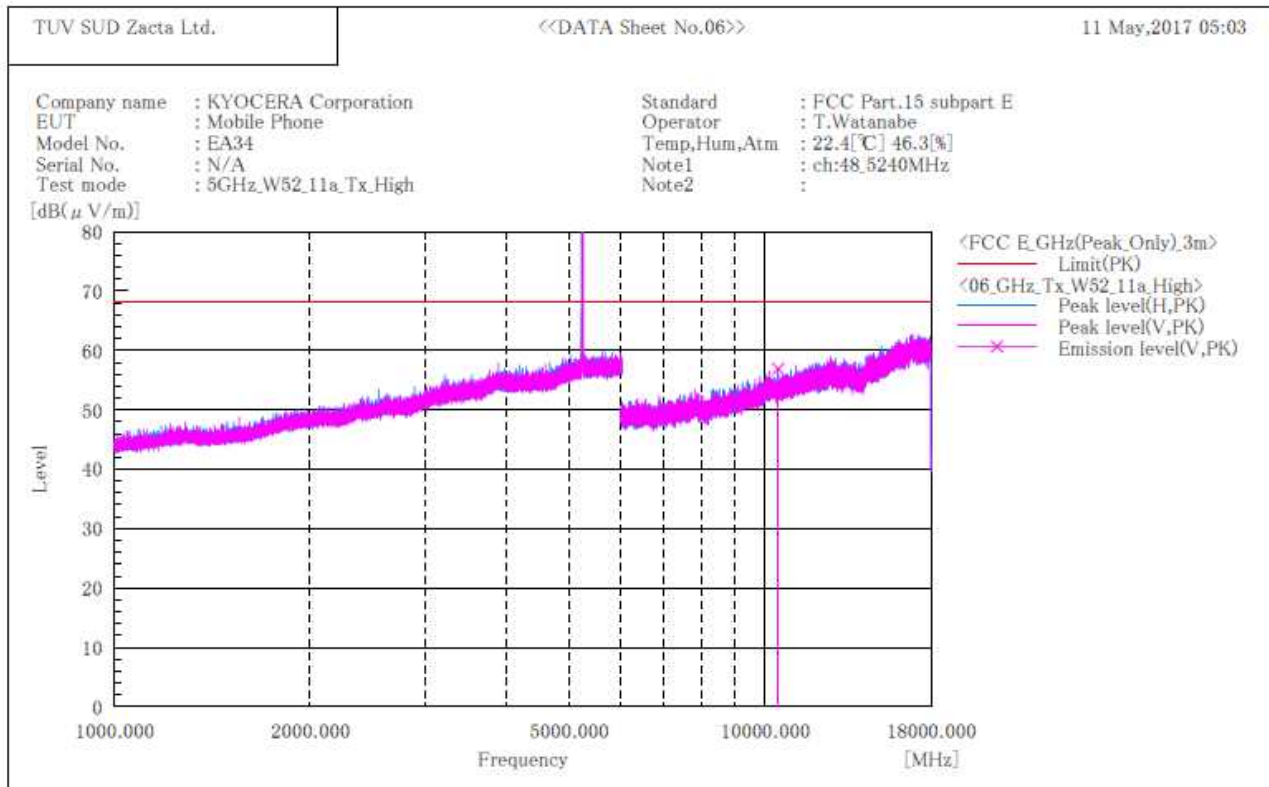
No.	Frequency (P)	c.f	Height	Angle
	[MHz]	[dB(1/m)]	[cm]	[°]

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]  
W52 / Channel High  
ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
[ 3m Semi-anechoic chamber ]



**Final Result**

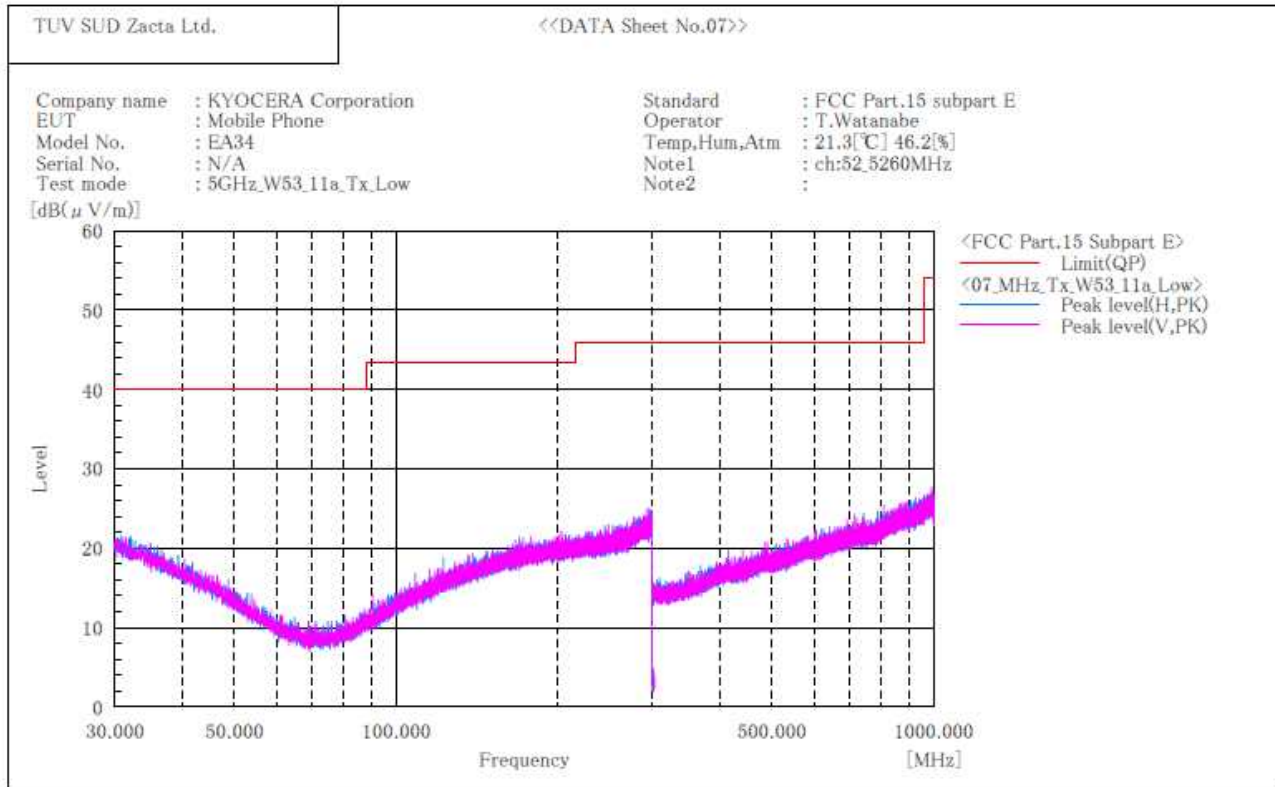
No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10480.000	V	46.4	10.5	56.9	68.2	11.3	133.0	235.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W53 / Channel Low**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

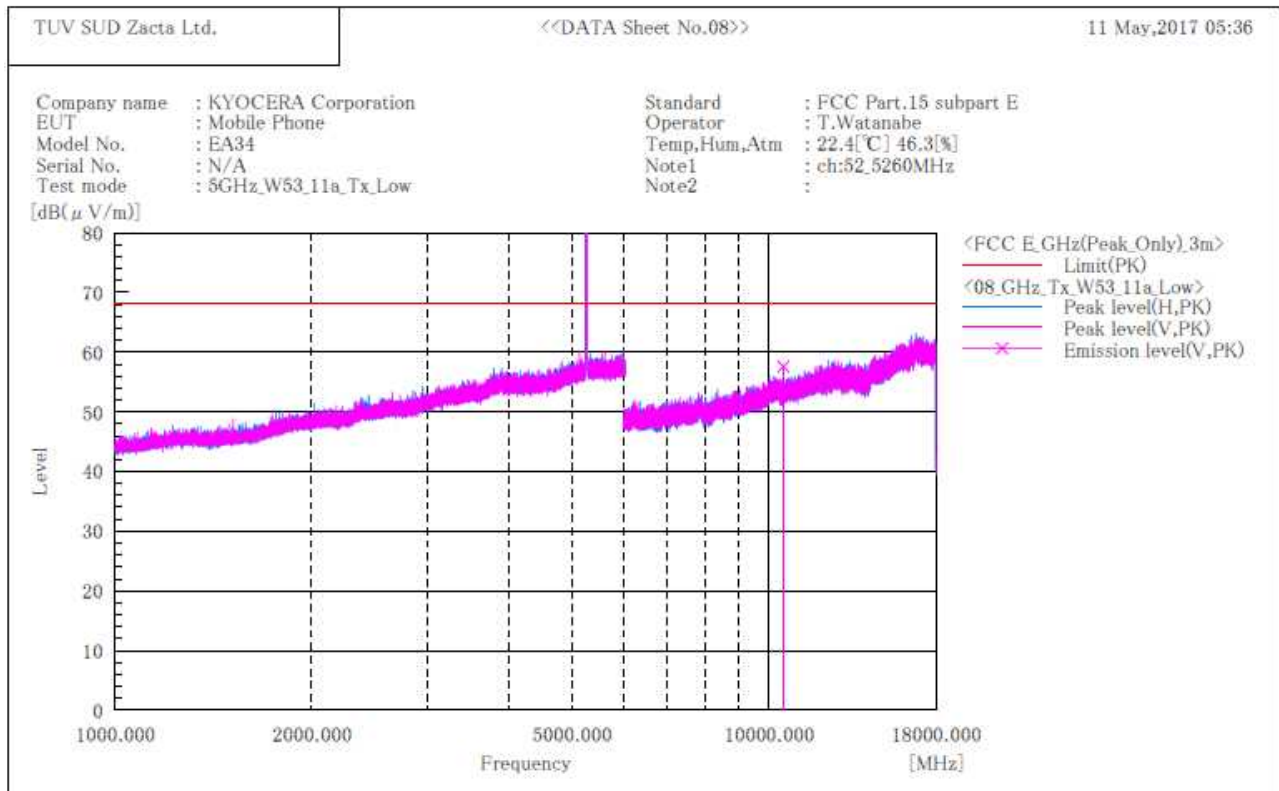
No.	Frequency (P)	c.f	Height	Angle
	[MHz]		[dB(1/m)]	[cm] [°]

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W53 / Channel Low**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

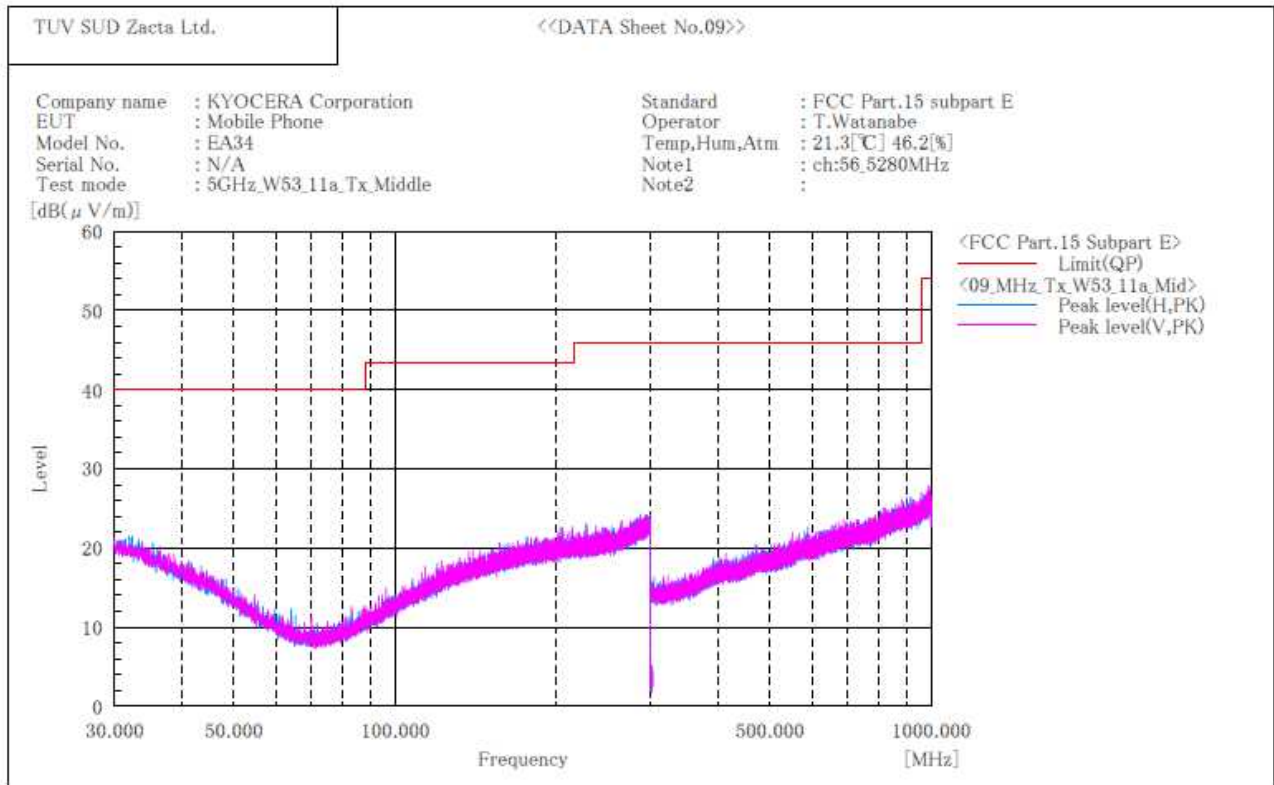
No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10520.000	V	47.0	10.6	57.6	68.2	10.6	115.0	322.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W53 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

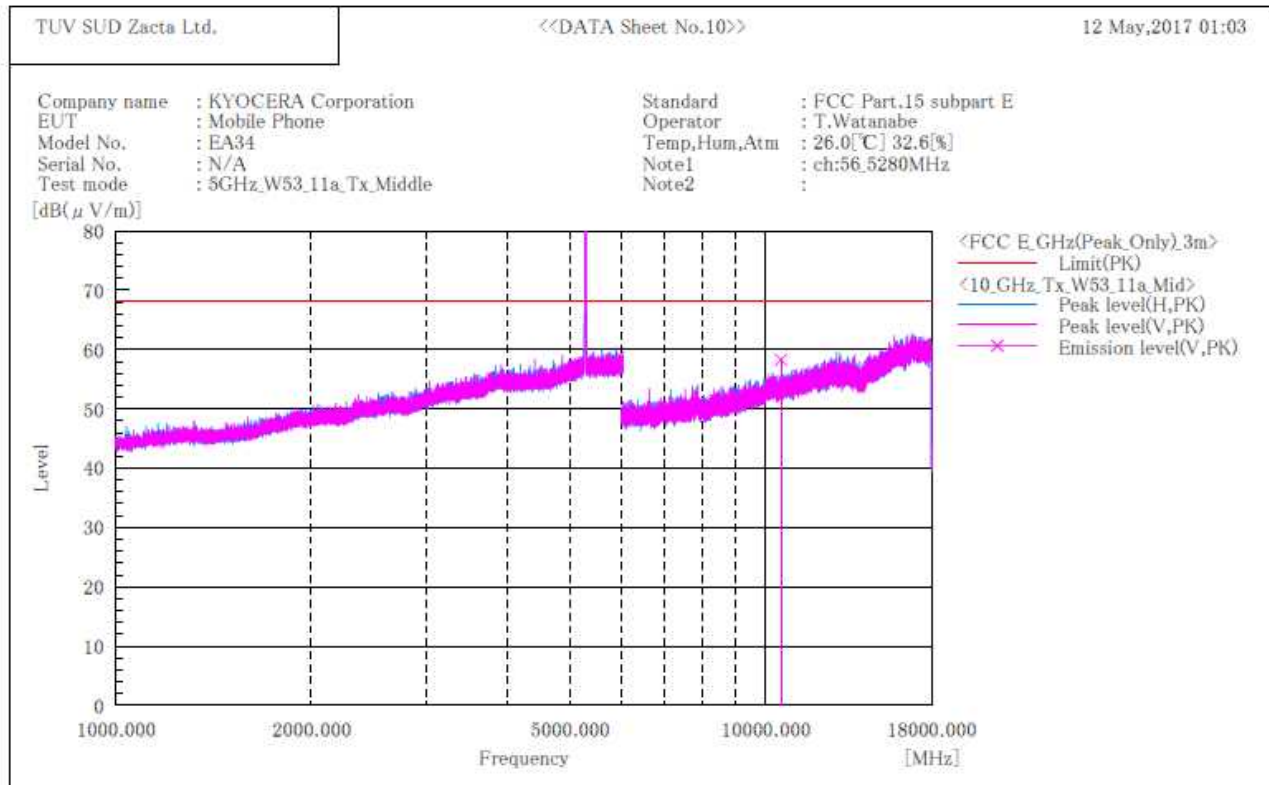
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W53 / Channel Middle**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency (P)	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]	PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10560.000	V 47.7	10.6	58.3	68.2	9.9	116.0	189.0	

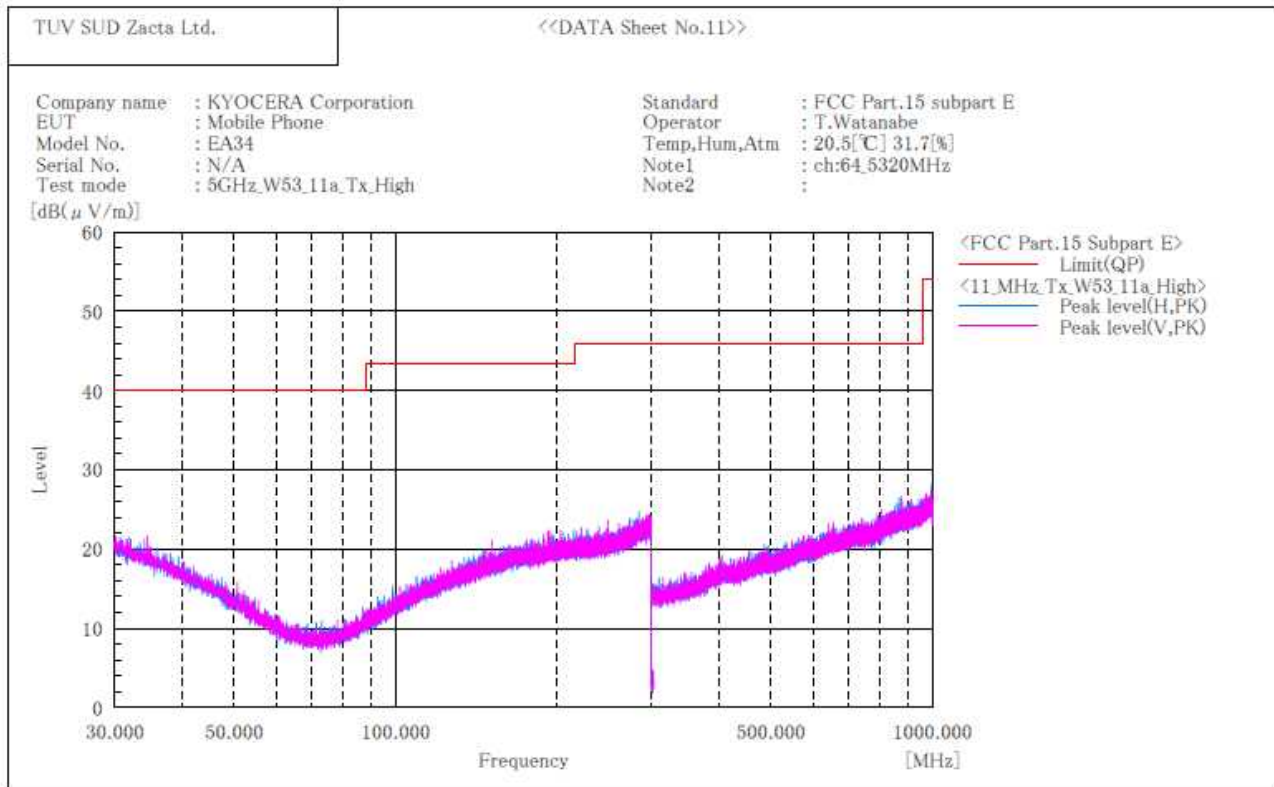
**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11a]**  
**W53 / Channel High**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

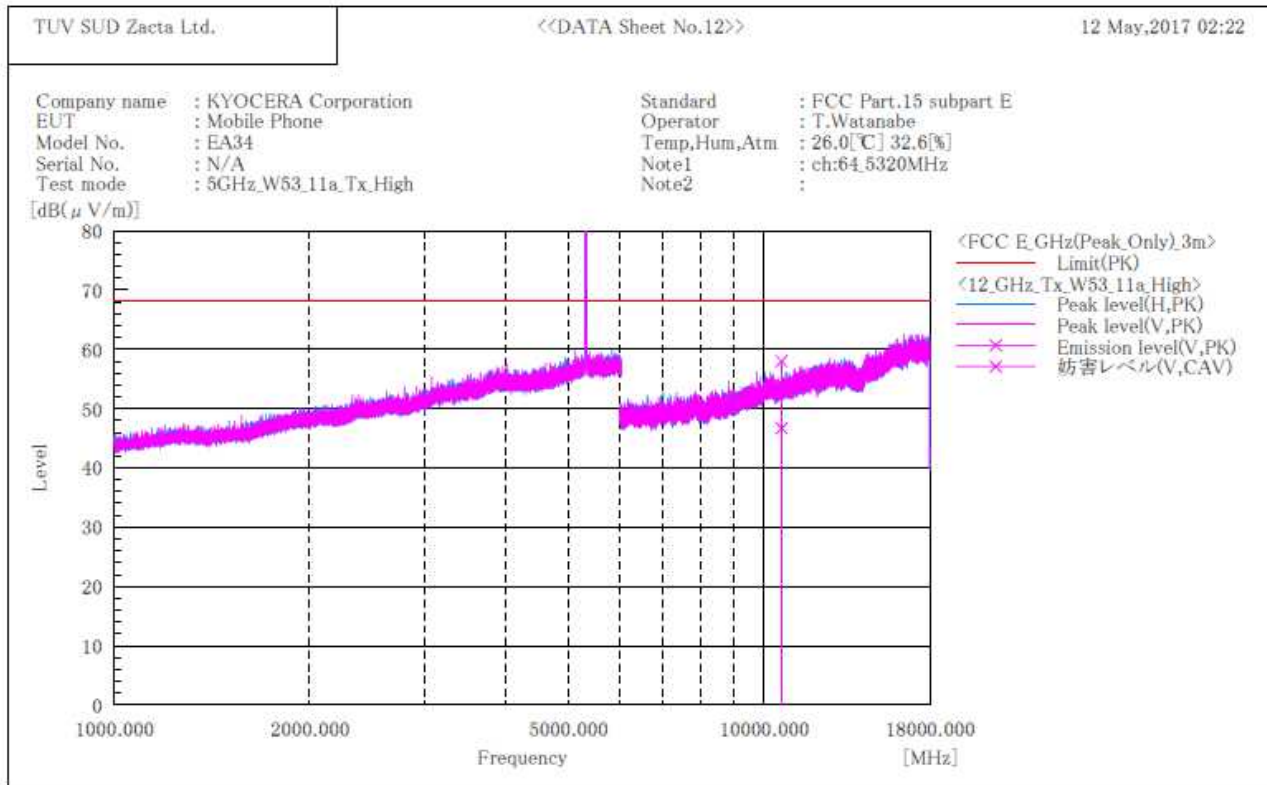
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W53 / Channel High**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



## Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	10640.000	V	47.3	36.0	10.7	58.0	46.7	74.0	16.0	7.3	102.0	182.0	

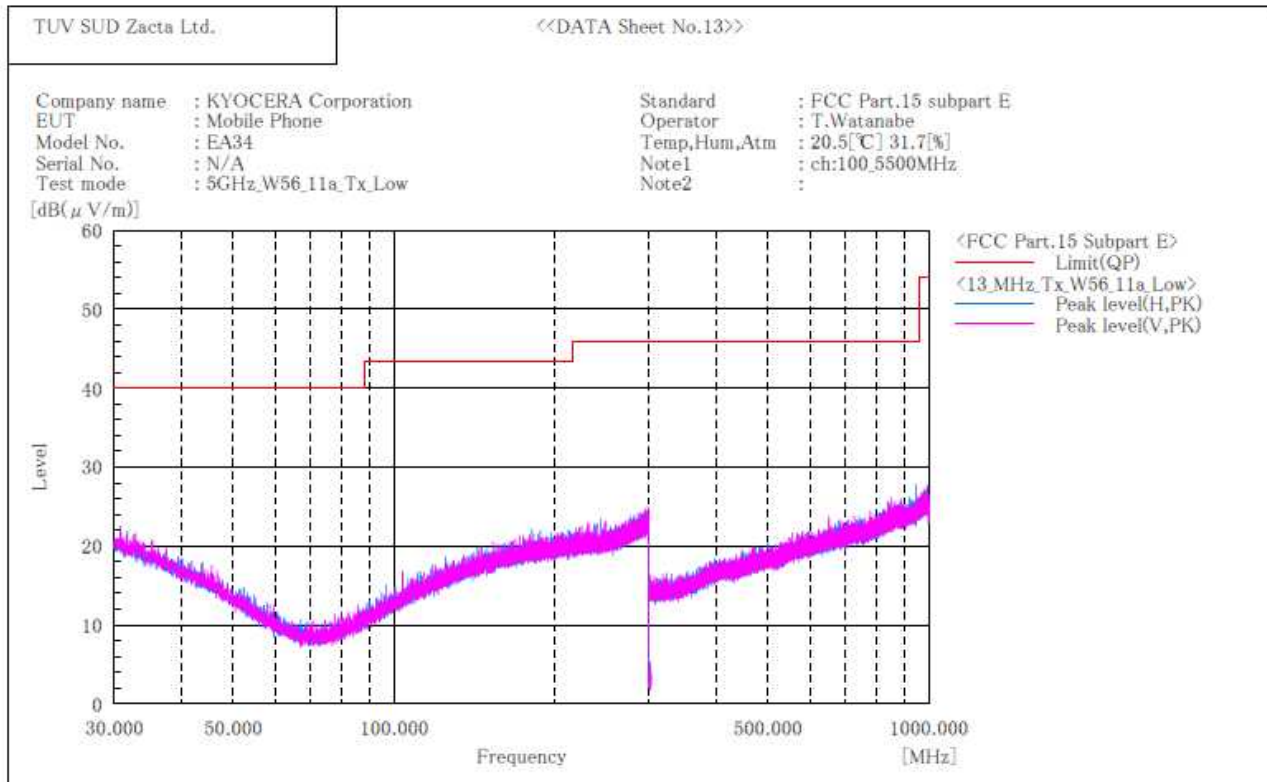
## Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11a]**  
**W56 / Channel Low**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

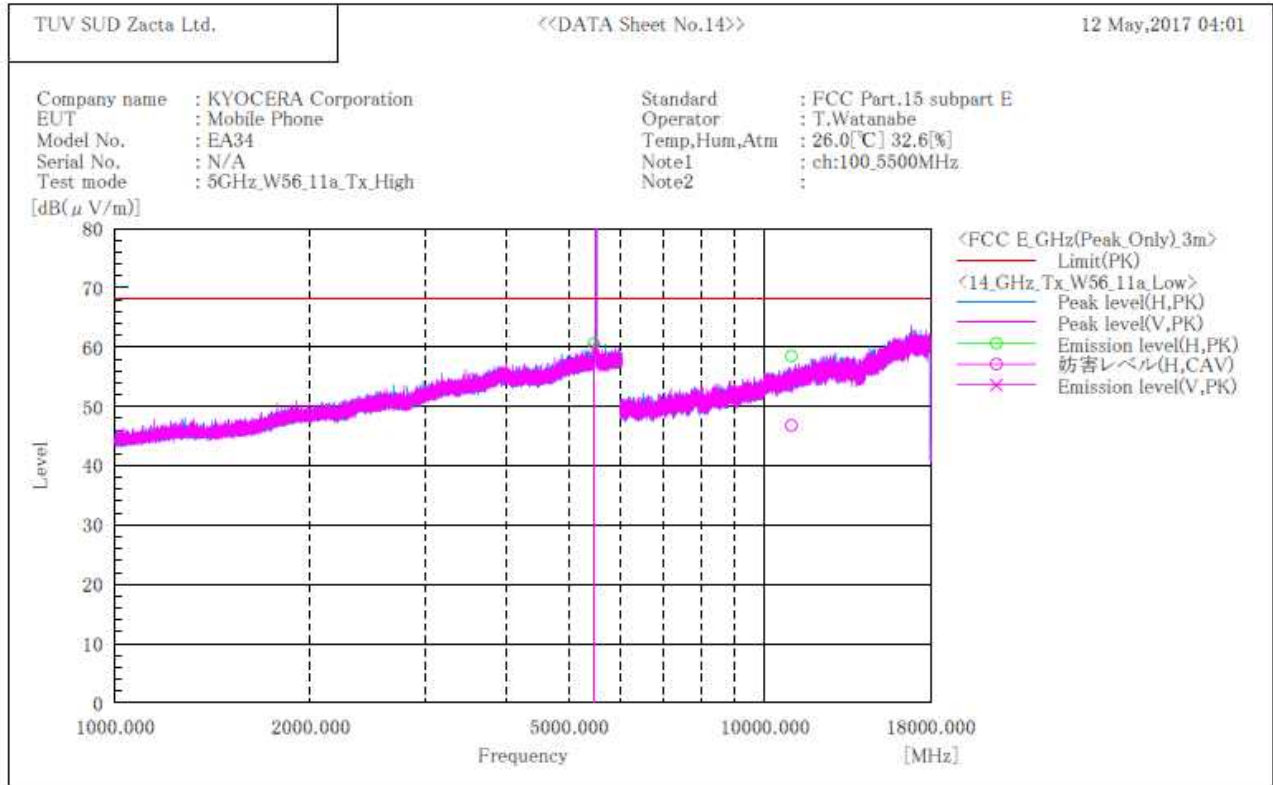
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]  
W56 / Channel Low  
ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
[ 3m Semi-anechoic chamber ]



**Final Result**

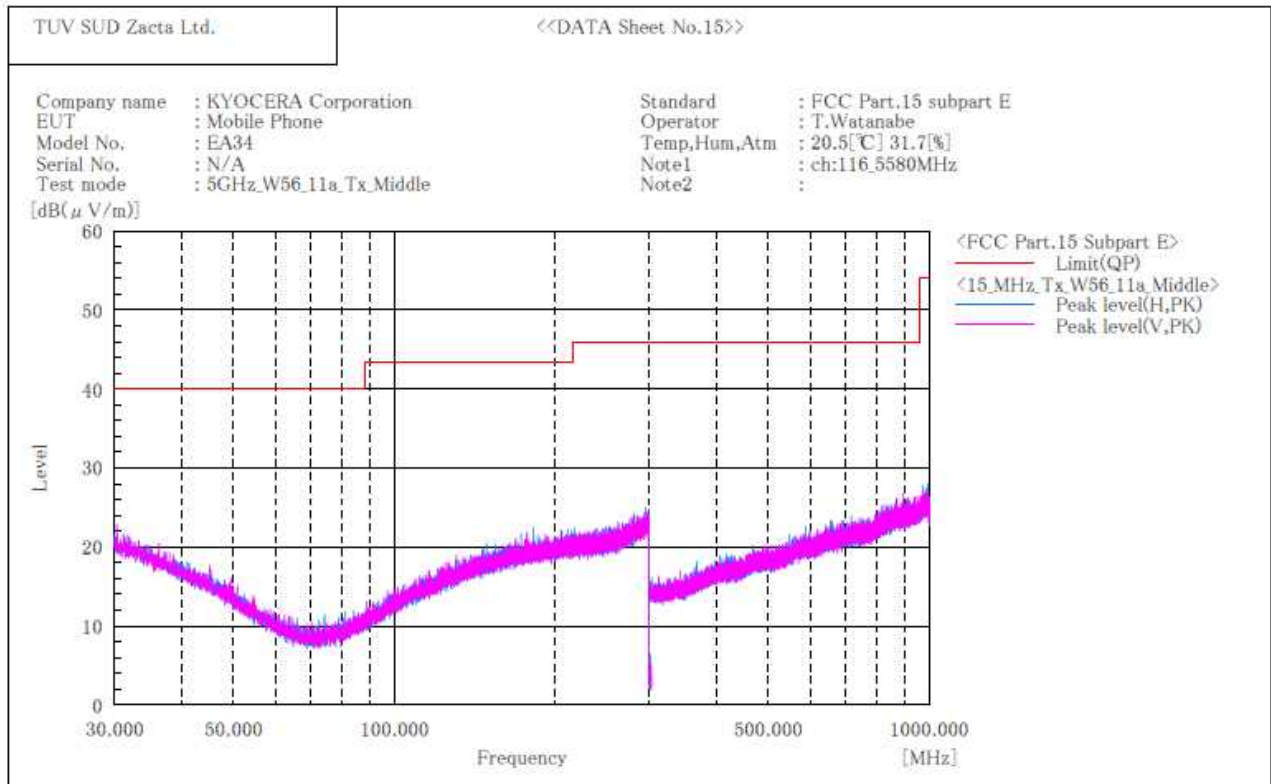
No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	5462.100	H	50.4		10.2	60.6		68.2	7.6		132.0	181.0	
2	5468.500	V	49.5		10.2	59.7		68.2	8.5		107.0	51.0	
3	11000.000	H	47.4	35.7	11.1	58.5	46.8	74.0	15.5	7.2	113.0	76.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable - Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W56 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

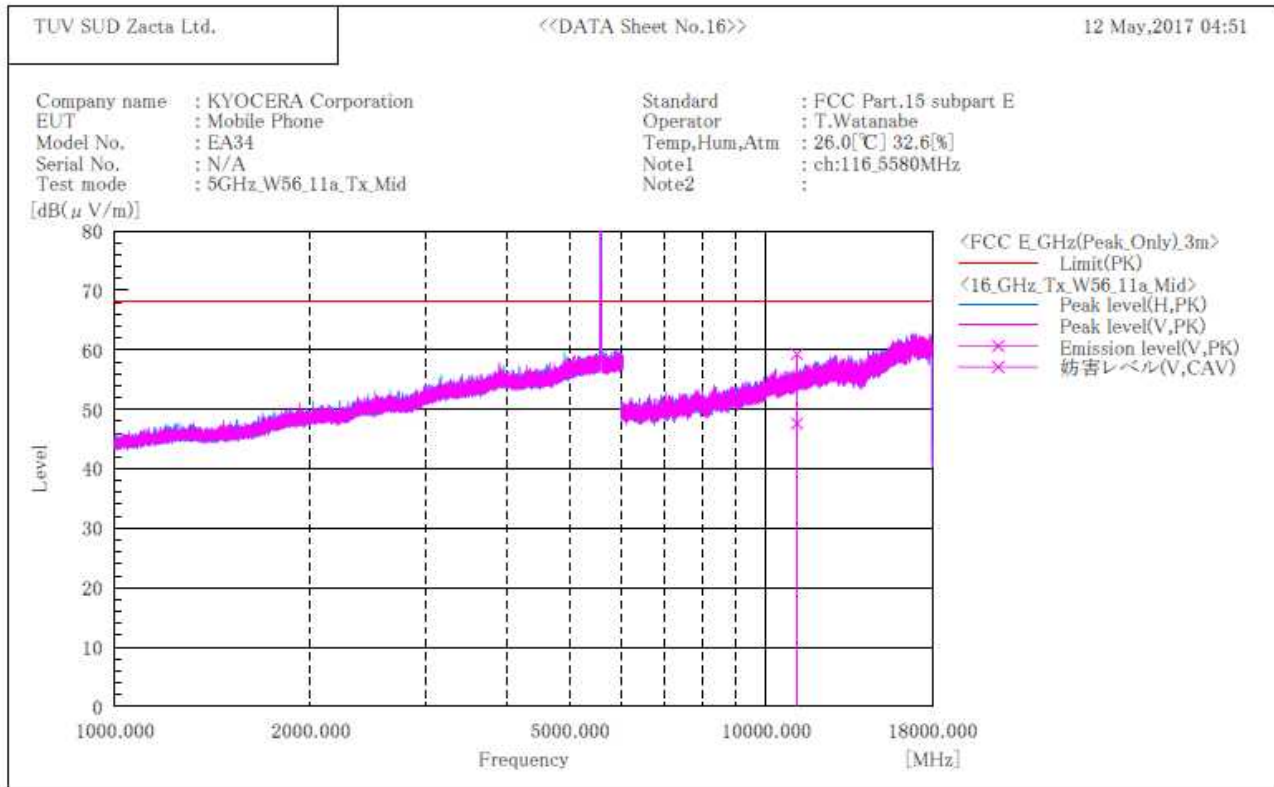
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]  
W56 / Channel Middle  
ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
[ 3m Semi-anechoic chamber ]



**Final Result**

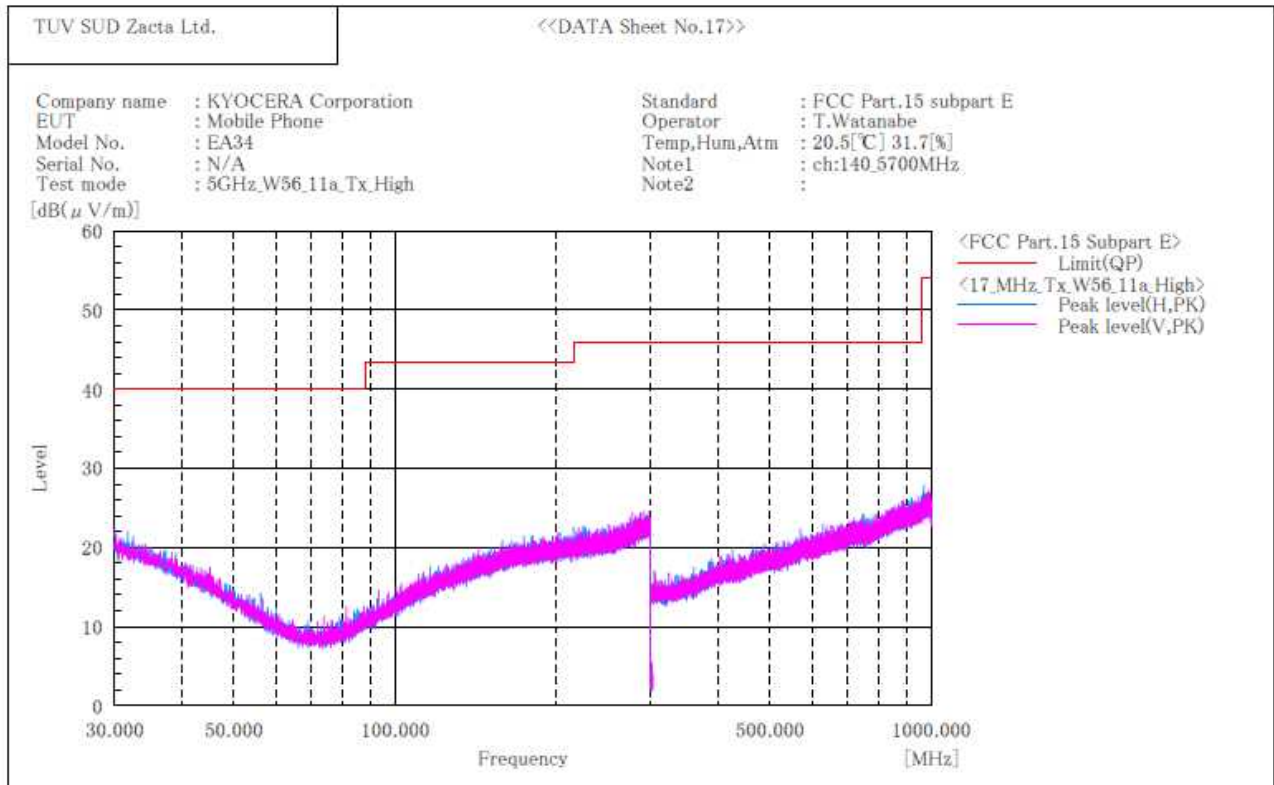
No.	Frequency (P)	Reading PK	Reading CAV	c.f	Result PK	Result CAV	Limit PK	Margin PK	Margin CAV	Height	Angle	Remark
	[MHz]	[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[°]	
1	11160.000	V 47.9	36.2	11.4	59.3	47.6	74.0	14.7	6.4	120.0	0.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11a]**  
**W56 / Channel High**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

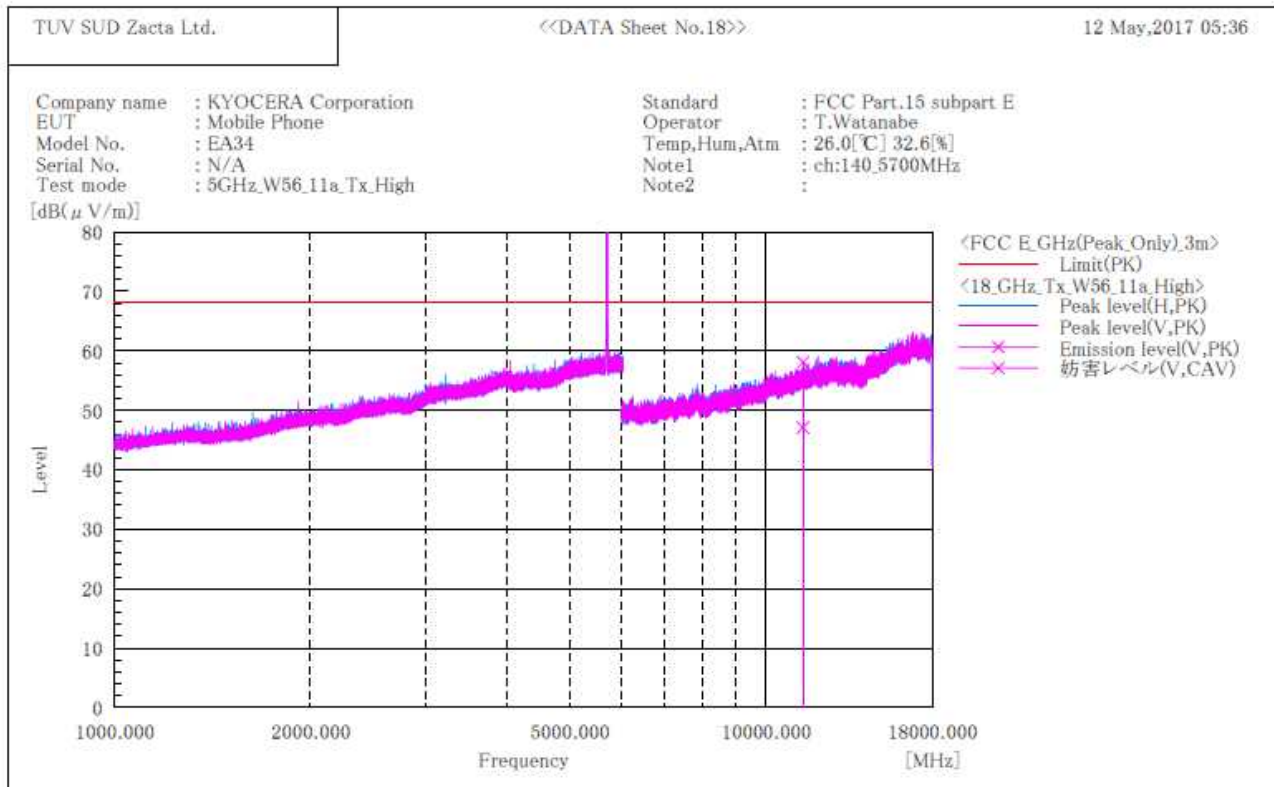
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11a]**  
**W56 / Channel High**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



## Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	11400.000	V	46.5	35.5	11.6	58.1	47.1	74.0	15.9	6.9	115.0	318.0	

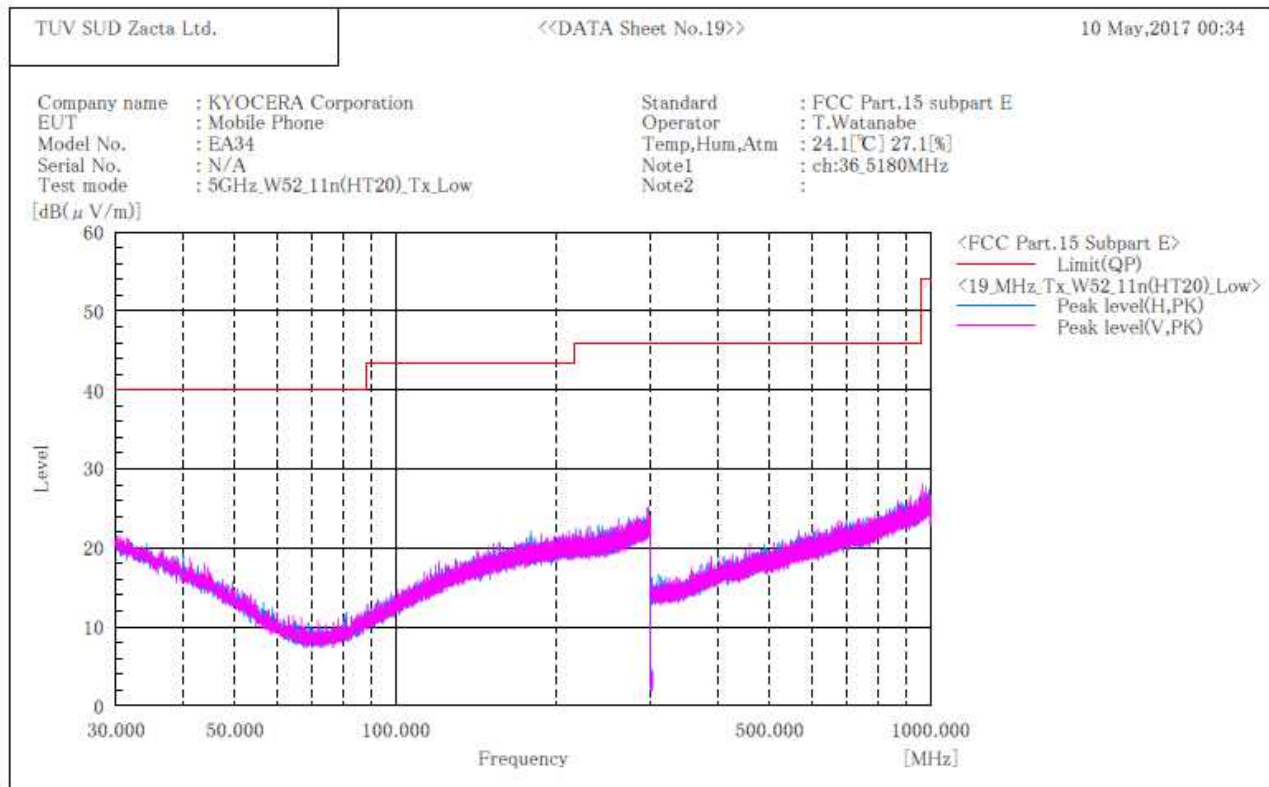
## Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11n(HT20)]**  
**W52 / Channel Low**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

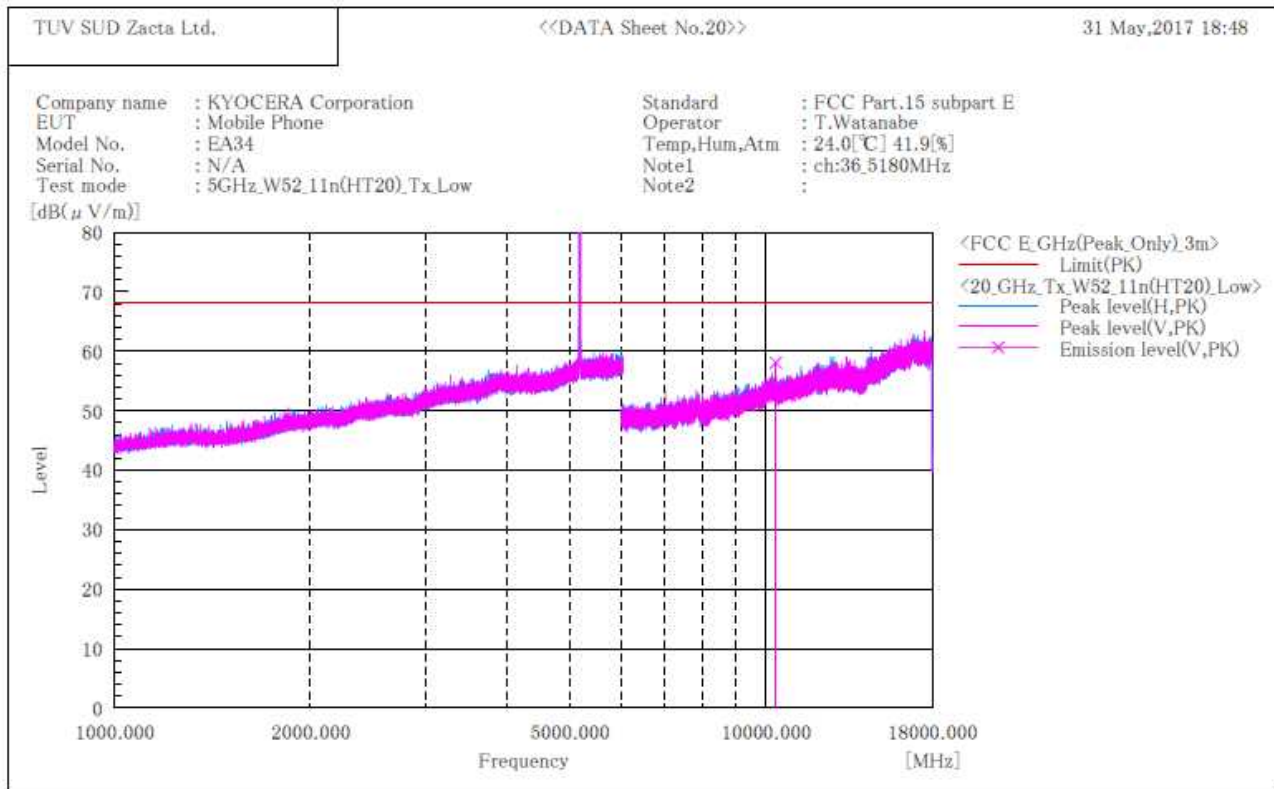
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W52 / Channel Low**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency (P)	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]	PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10360.000	V 47.8	10.3	58.1	68.2	10.1	107.0	339.0	

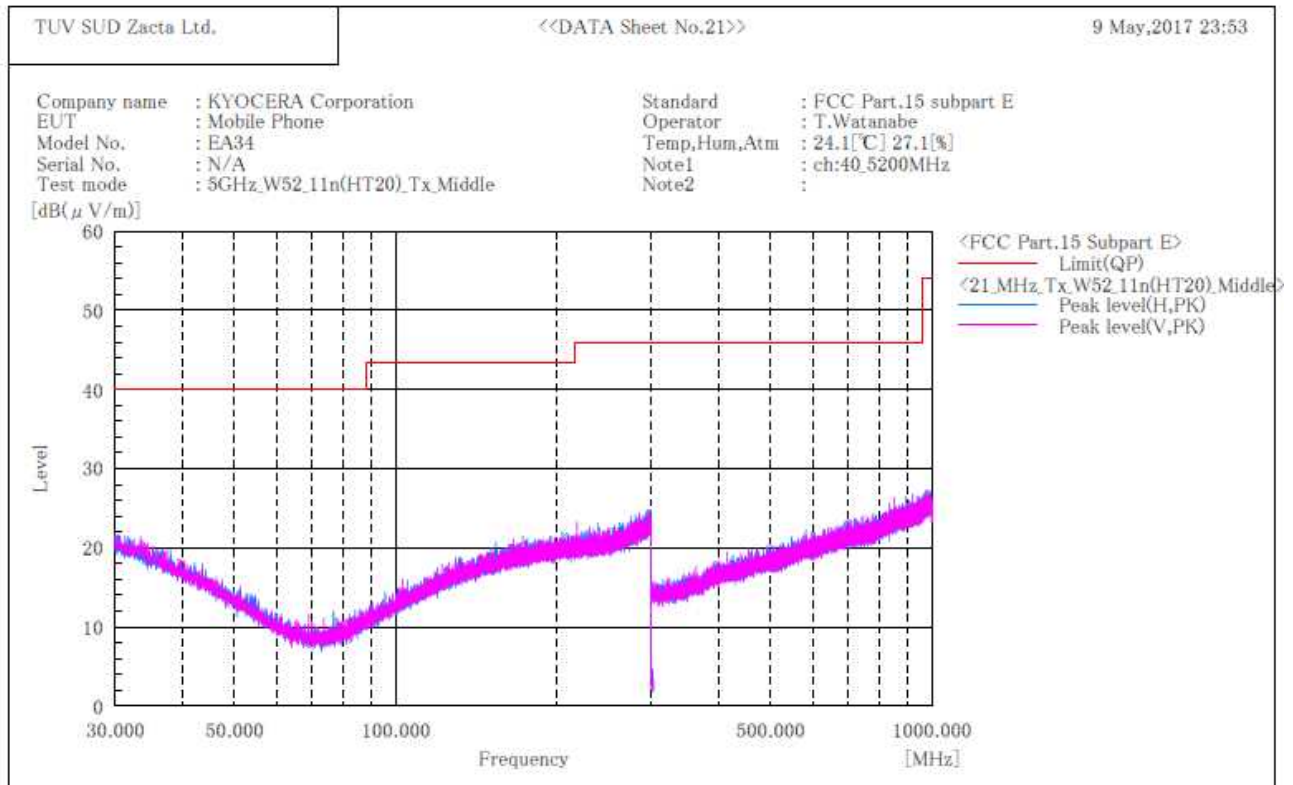
**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11n(HT20)]**  
**W52 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

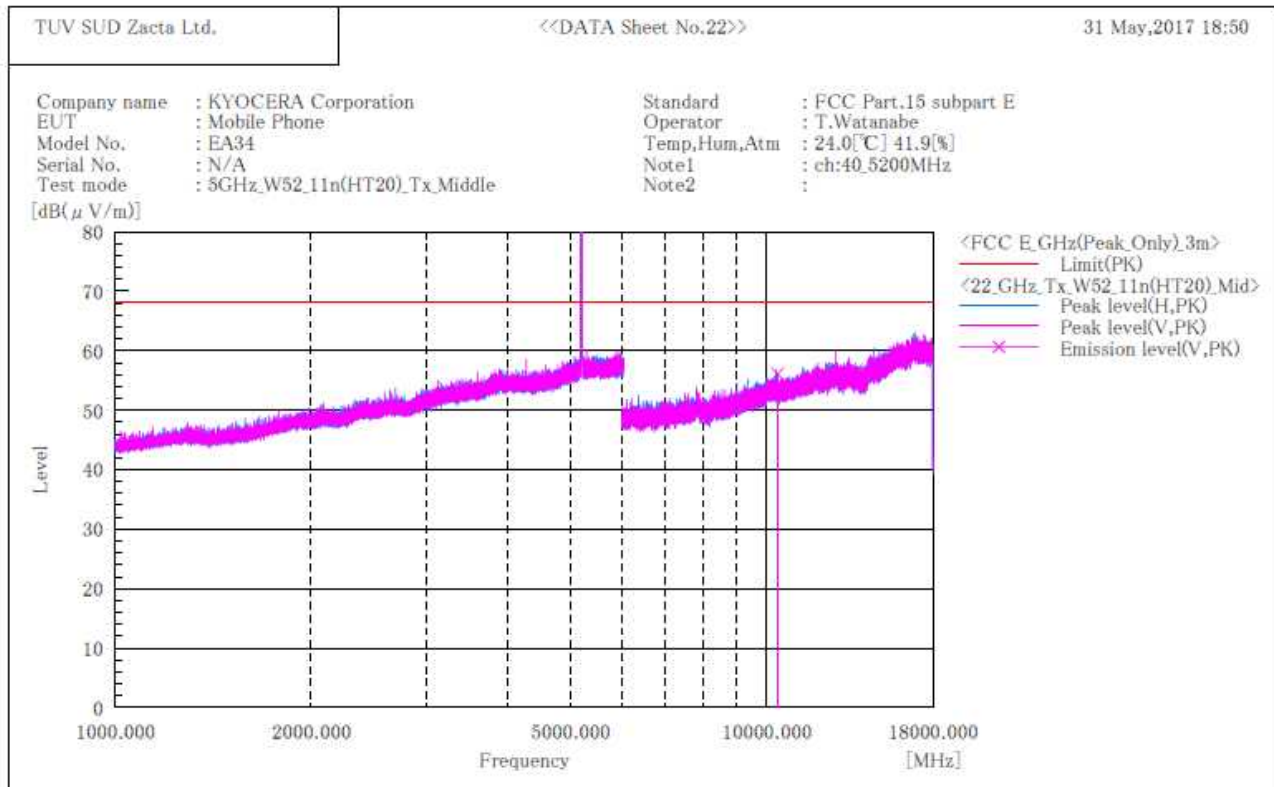
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable - Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W52 / Channel Middle**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

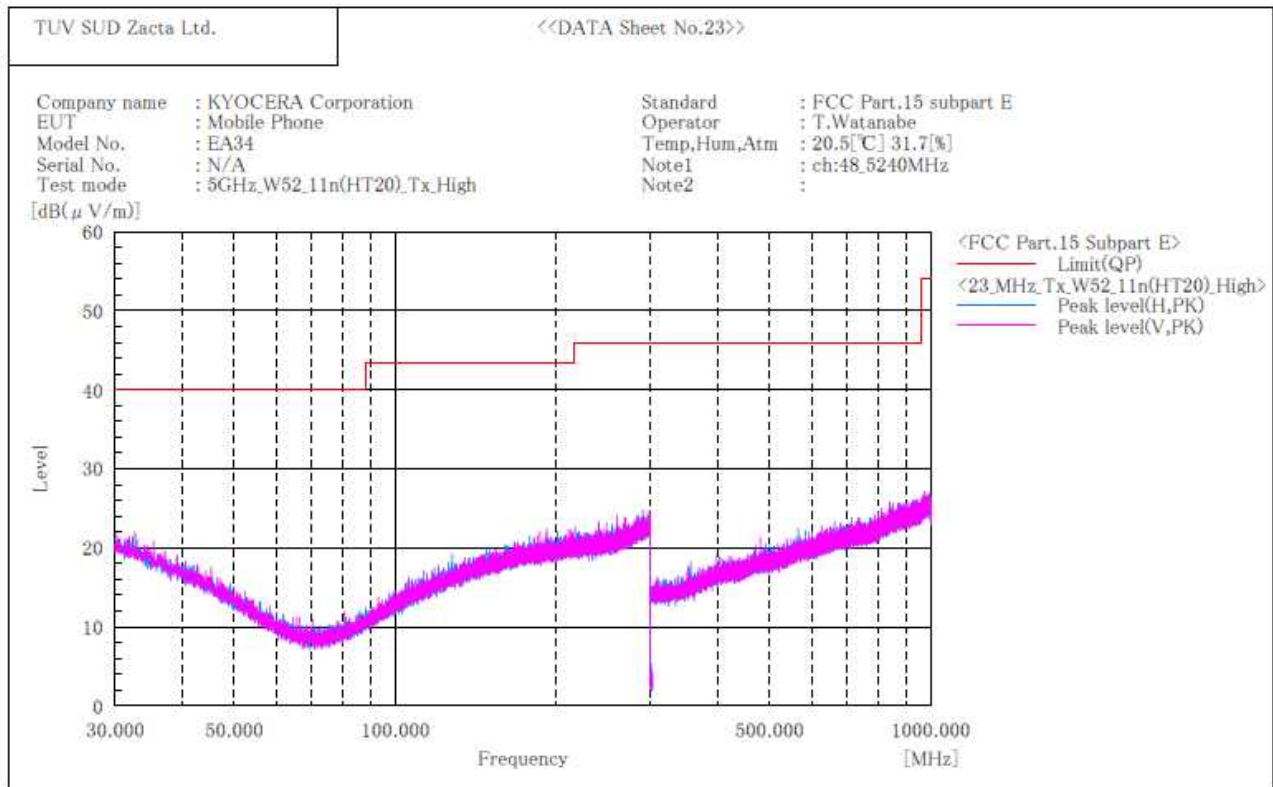
No.	Frequency (P)	Reading	c.f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]	PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10400.000	V 45.7	10.4	56.1	68.2	12.1	127.0	61.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11n(HT20)]**  
**W52 / Channel High**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

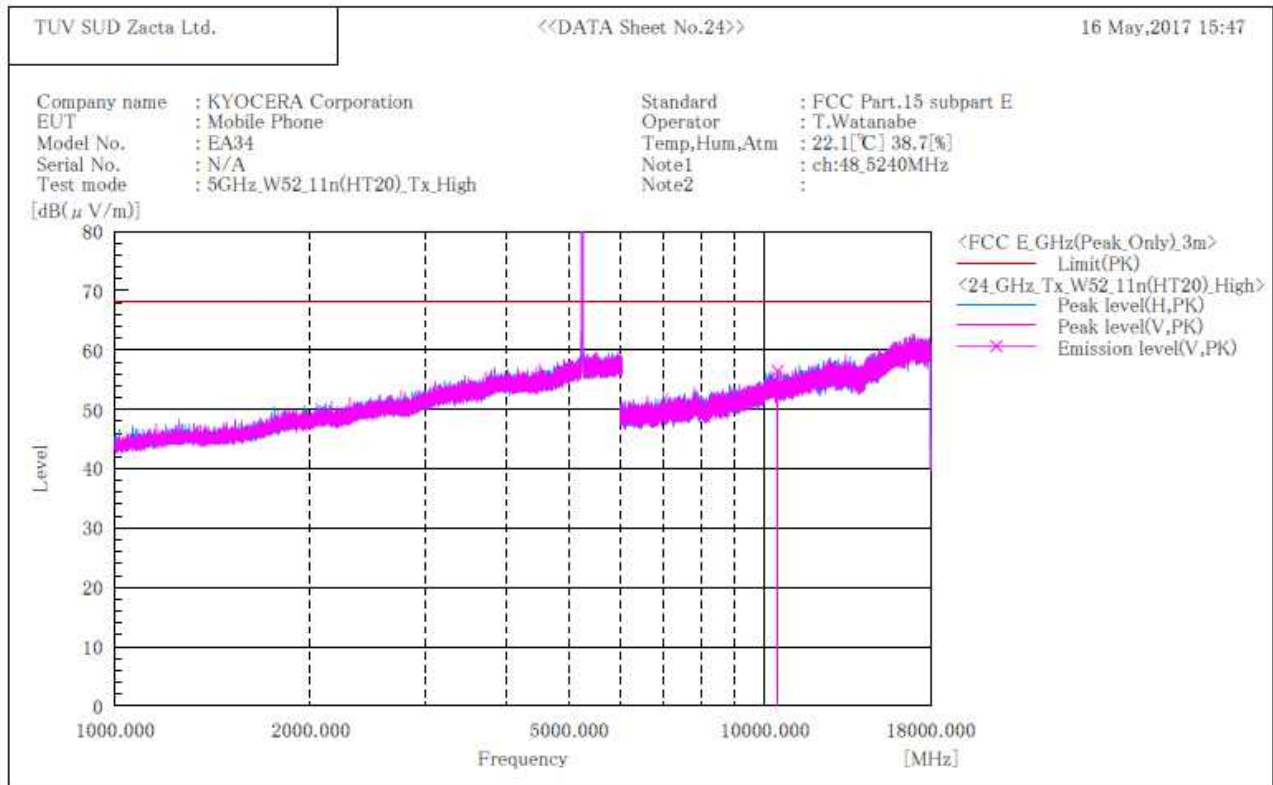
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W52 / Channel High**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

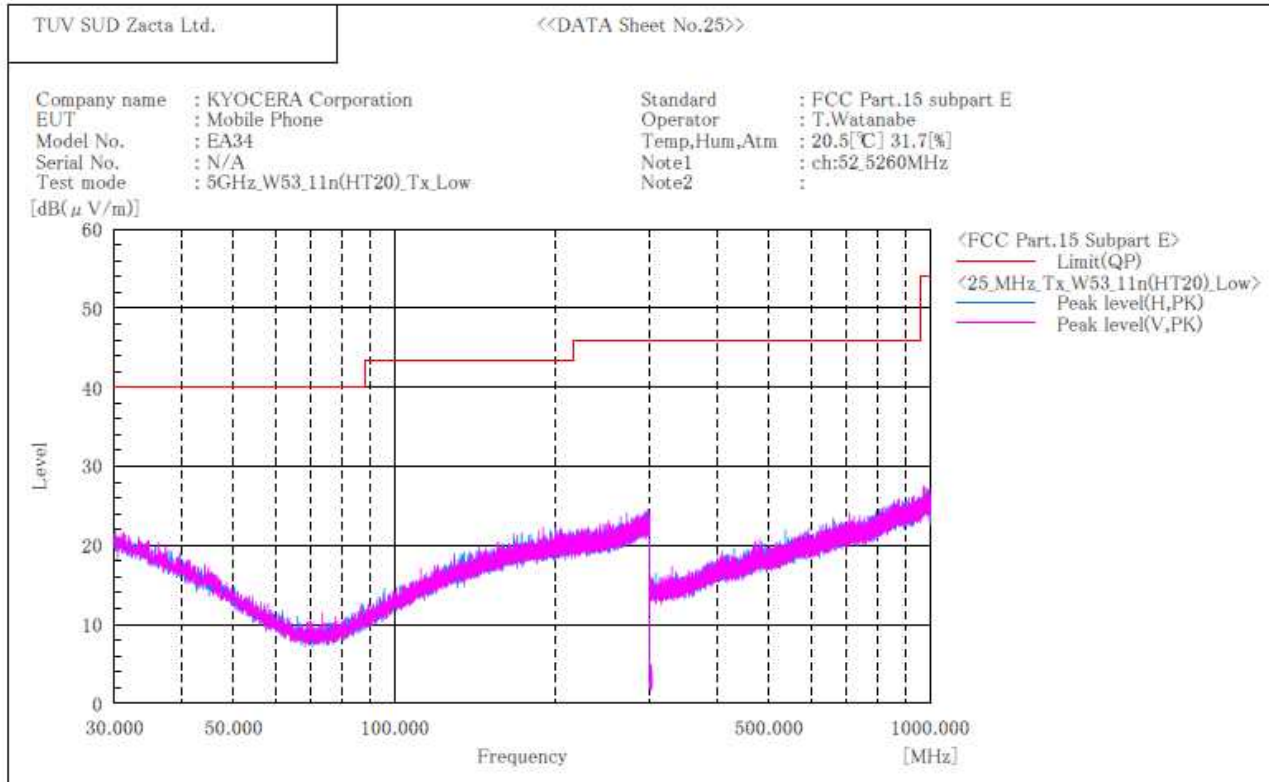
No.	Frequency (P)	Reading	c. f	Result	Limit	Margin	Height	Angle	Remark
	[MHz]	PK [dB(μV)]	[dB(1/m)]	PK [dB(μV/m)]	PK [dB(μV/m)]	PK [dB]	[cm]	[°]	
1	10480.000	V 46.0	10.5	56.5	68.2	11.7	119.0	320.0	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11n(HT20)]**  
**W53 / Channel Low**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

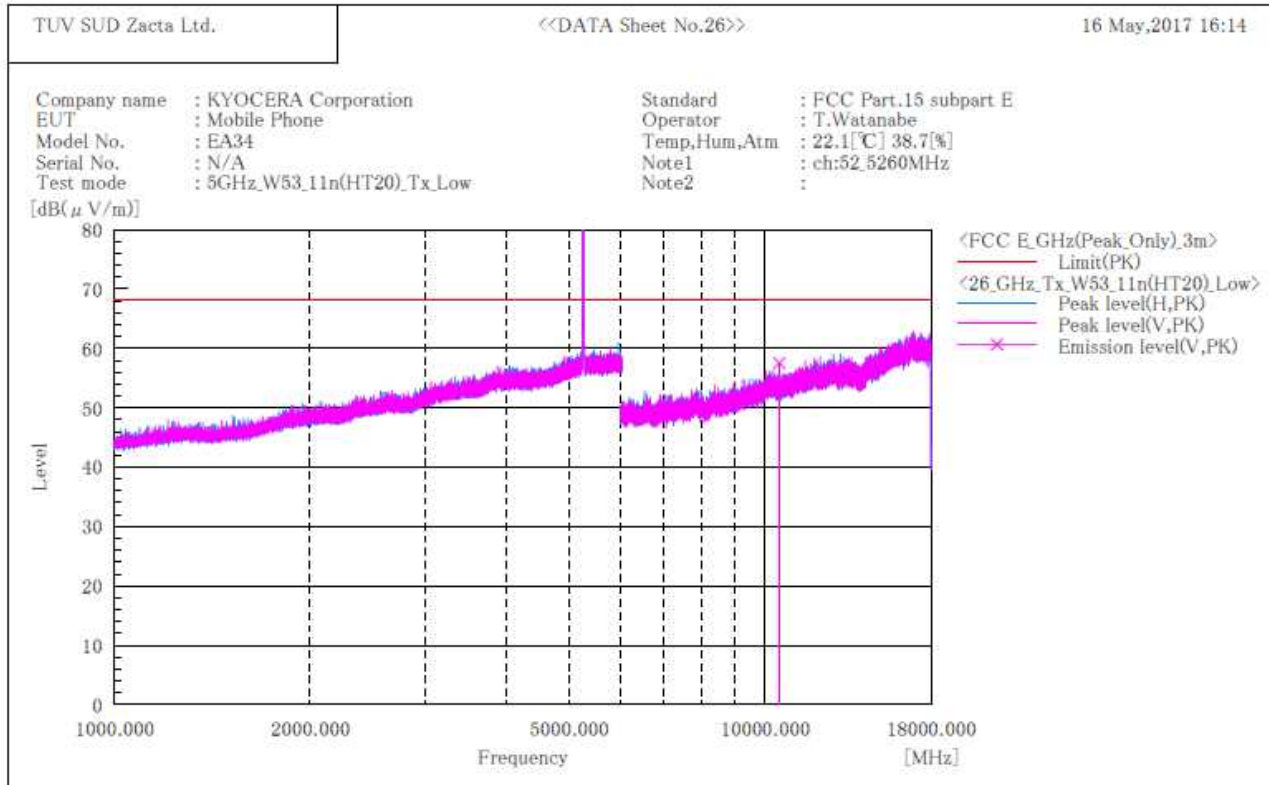
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W53 / Channel Low**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10520.000	V	46.9	10.6	57.5	68.2	10.7	114.0	236.0	

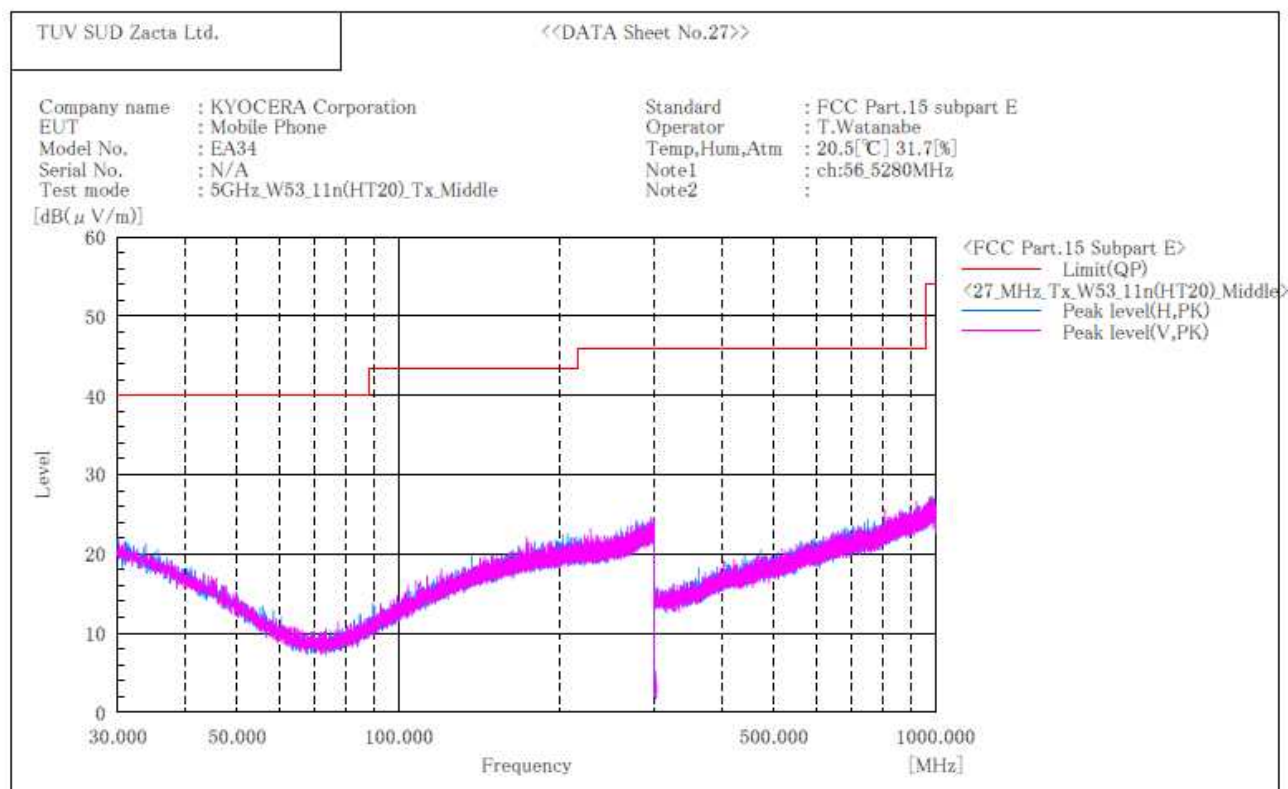
**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11n(HT20)]**  
**W53 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

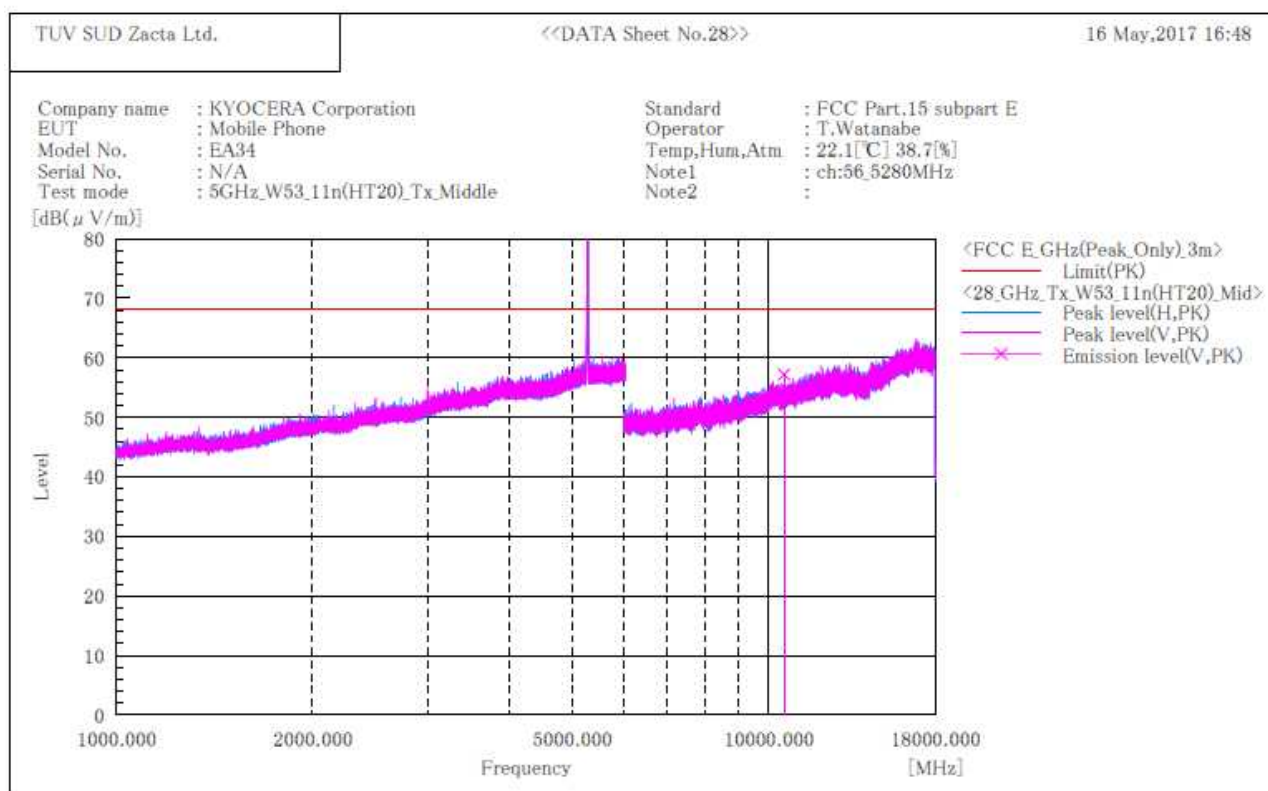
1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.



Zacta

**[11n(HT20)]**  
**W53 / Channel Middle**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Height [cm]	Angle [°]	Remark
1	10560.000	V	46.6	10.6	57.2	68.2	11.0	128.0	50.0	

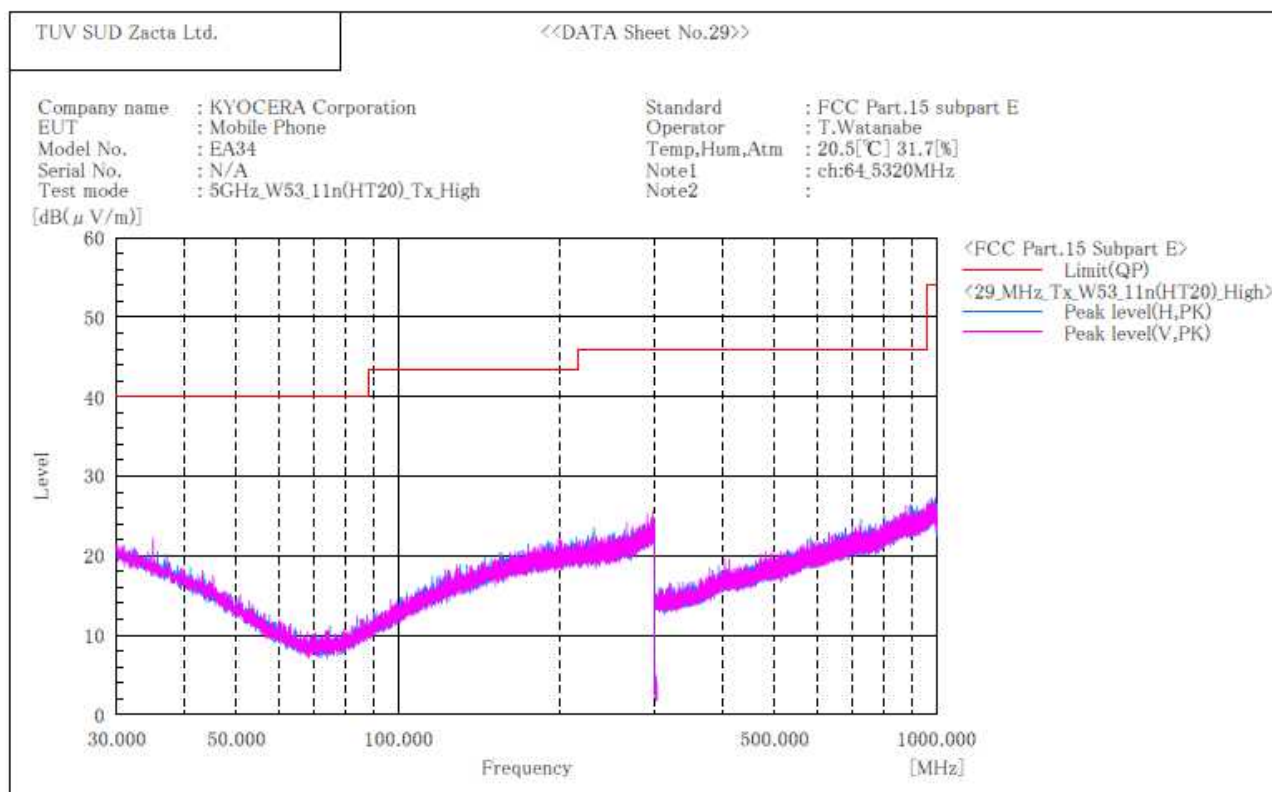
**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.



**[11n(HT20)]**  
**W53 / Channel High**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

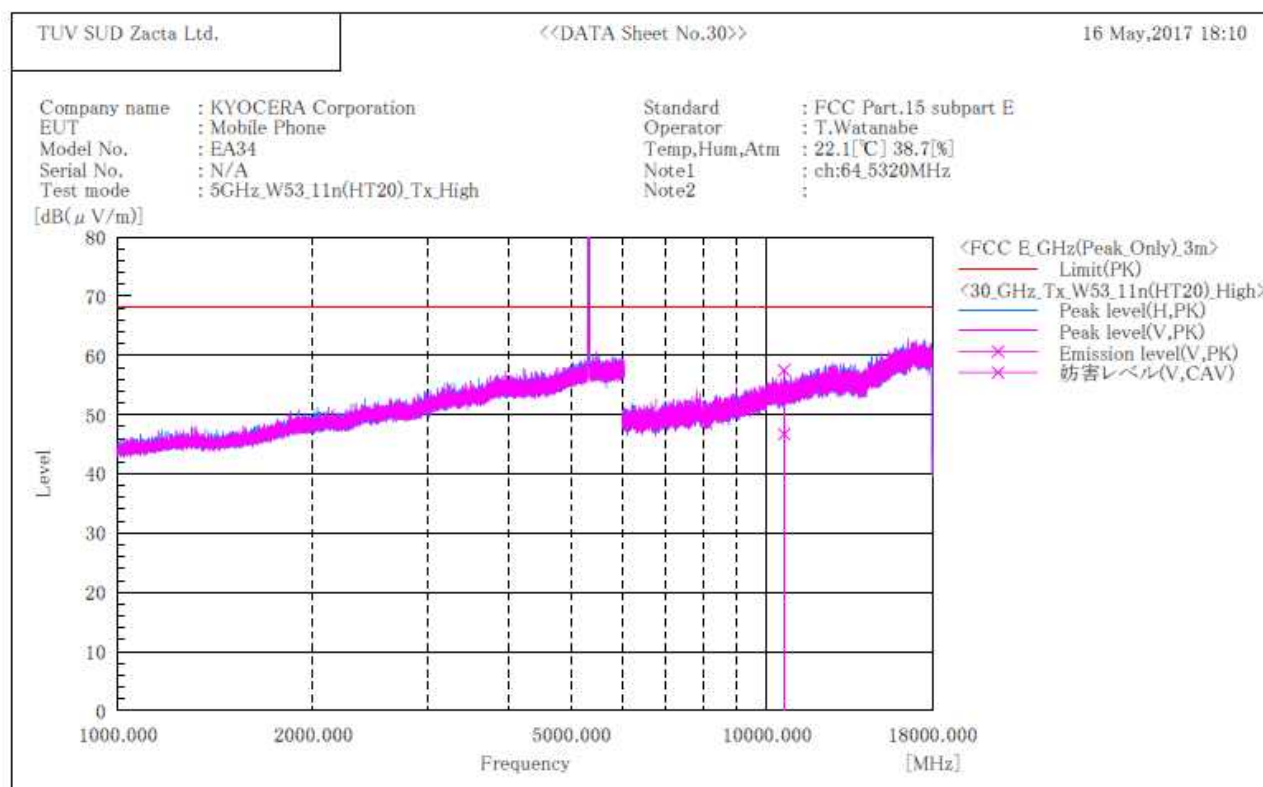
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W53 / Channel High**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



## Final Result

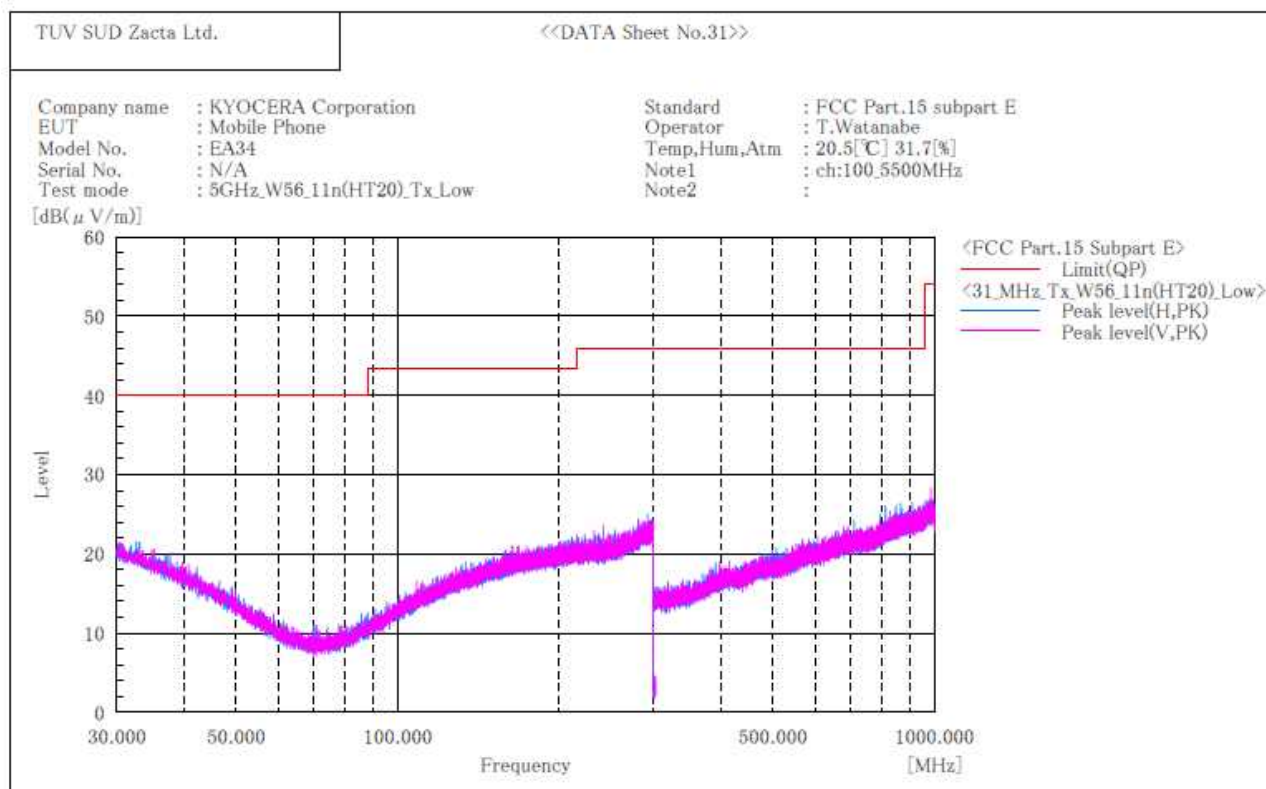
No.	Frequency (P)	Reading PK	Reading CAV	c. f	Result PK	Result CAV	Limit PK	Margin PK	Margin CAV	Height	Angle	Remark
	[MHz]	[dB(μV)]	[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[dB]	[cm]	[°]	
1	10640.000	V	46.8	36.0	10.7	57.5	46.7	74.0	16.5	7.3	129.0	317.0

## Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11n(HT20)]**  
**W56 / Channel Low**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

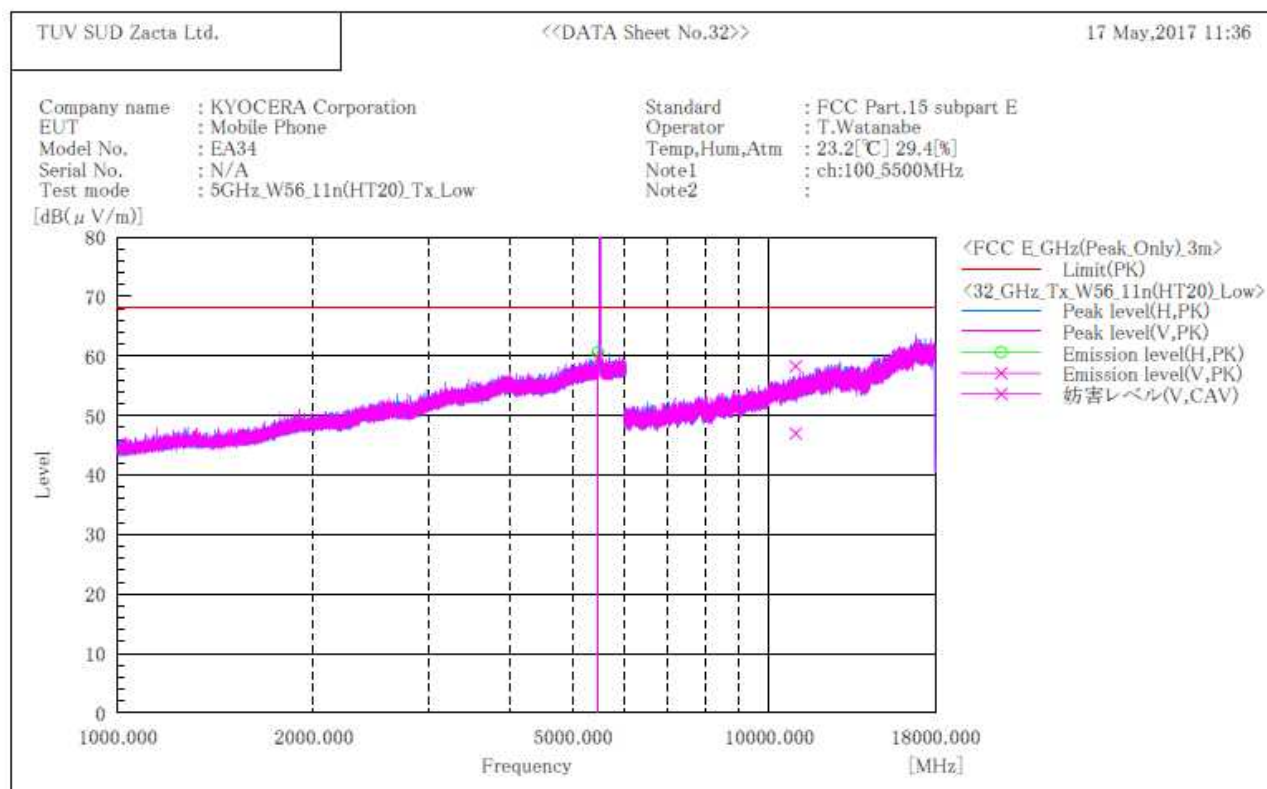
No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.

**[11n(HT20)]**  
**W56 / Channel Low**  
**ABOVE 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



## Final Result

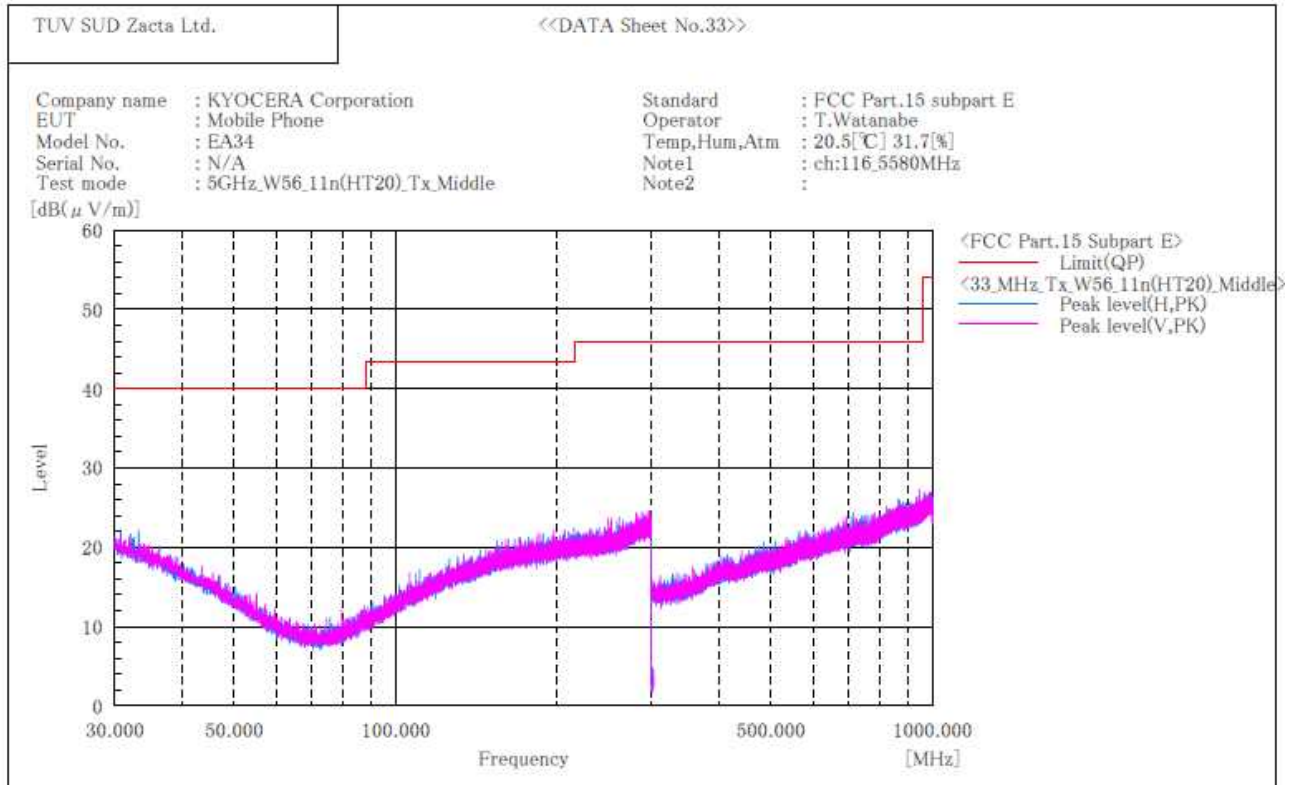
No.	Frequency [MHz]	(P)	Reading PK [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB(1/m)]	Result PK [dB(μV/m)]	Result CAV [dB(μV/m)]	Limit PK [dB(μV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [°]	Remark
1	5462.100	H	50.4		10.2	60.6		68.2	7.6		132.0	181.0	
2	5468.500	V	49.5		10.2	59.7		68.2	8.5		107.0	51.0	
3	11000.000	V	47.1	35.8	11.2	58.3	47.0	74.0	15.7	7.0	122.0	77.0	

## Note:

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

**[11n(HT20)]**  
**W56 / Channel Middle**  
**BELOW 1GHz**

\*\*\*\*\* RADIATED EMISSION \*\*\*\*\*  
 [ 3m Semi-anechoic chamber ]



**Final Result**

No.	Frequency (P)	c.f	Height	Angle	Remark
	[MHz]	[dB(1/m)]	[cm]	[°]	

**Note:**

1. Emission Level (Margin) = Limit - [Reading + Factor ( Antenna + Cable – Amp)]
2. No emission were detected in frequency range 9kHz to 1000MHz at the 3 meters distance.