KYOCERA Corporation
Yokohama Office 2-1-1 Kagahara, Tsuzuki-ku Yokohama-shi,
Kanagawa, Japan

Jun 03, 2014

DIGITAL EMC CO., LTD.
683-3, Yubang-Dong,
Yongin-Si, Kyunggi-Do,
Korea. 449-080

Request letter for KYY22(FCCID: JOYKYY22)

The FCCID: JOYKYY22 is the changed configuration model from FCCID: JOYKYY21.
The changed parts are as follows,

1. Dimensions, Case, Antenna elements length, Loud speaker, Rear side metal part.

So Conducted test was to proceed at FCCID: JOYKYY21.
FCCID: JOYKYY22 was measured by applying only Radiated test.

Additionally, differences of FCCID: JOYKYY21/FCCID: JOYKYY22 is added to next page.

Sincerely,

Signature

Y. Yamamoto

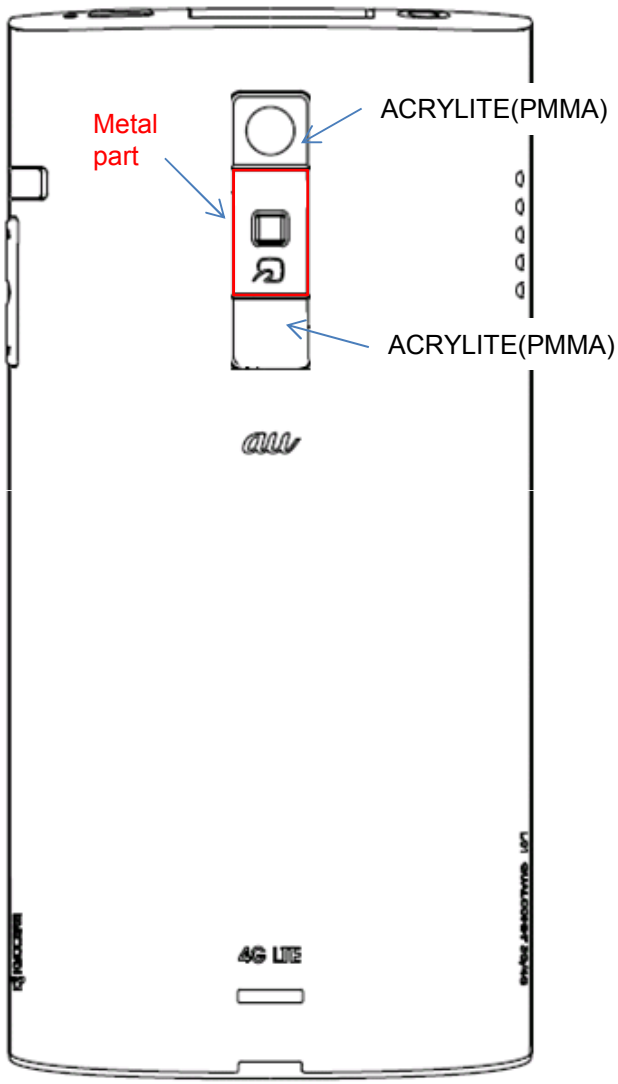
Responsible Name:
Yoshikazu Yamamoto
Title:
Manager of Quality Assurance Dept.

The differences between KYY21(FCC ID: JOYKYY21) and similarity model: KYY22

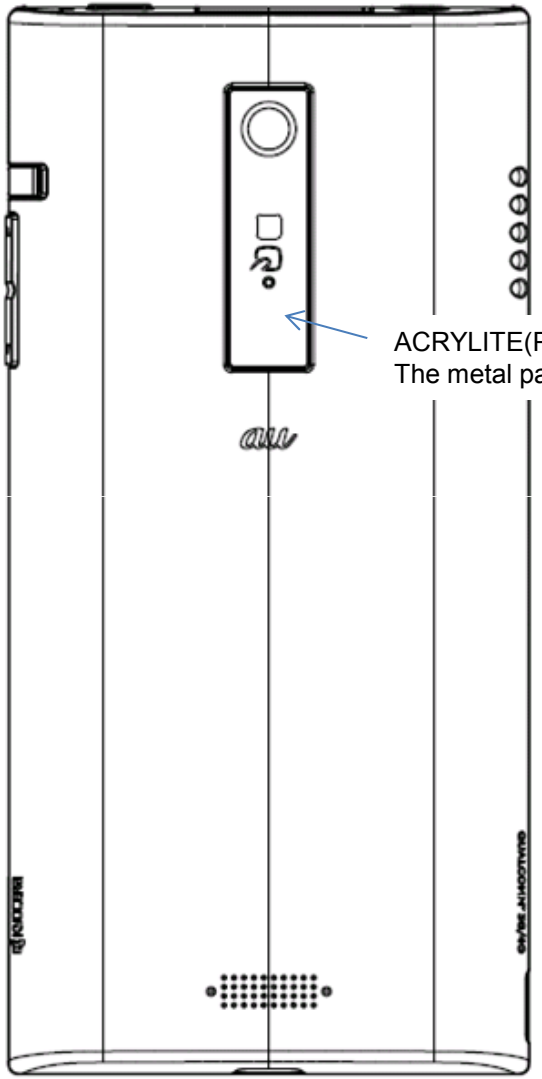
item	KYY21 (base model)	KYY22	supported docs
Dimensions / Appearance	65 x 134 x**10.8**mm	65 x 134 x **11.0**mm Some shape was changed (Minor changes)	See the out view drawings. <KYY21_outside_drawing.pdf> <KYY22_outside_drawing.pdf>
Enclosure (Case)	**Reny**	**Polycarbonate**	
Antenna elements length	-	The antenna elements were slightly extended due to material changes of the cases	The antenna gains are the same. See the antenna drawings. < Antenna_drawings.pdf>
Loud Speaker	SANYO **S00816J14A** 8 ohms/ 16x8x3.1mm	KEYRIN **1608-8D-01P** 8 ohms/ 16x8x3.3mm	See the speaker drawings <S00816J14A for KYY21.pdf> <1608-8D-01P for KYY22.pdf >
Rear side metal part	**Yes**	**No**	See the drawing < rear_metal_part.pdf >

*** All Printed Circuit Board (PCB) and installed components are the same with KYY22.**

Rear side metal part

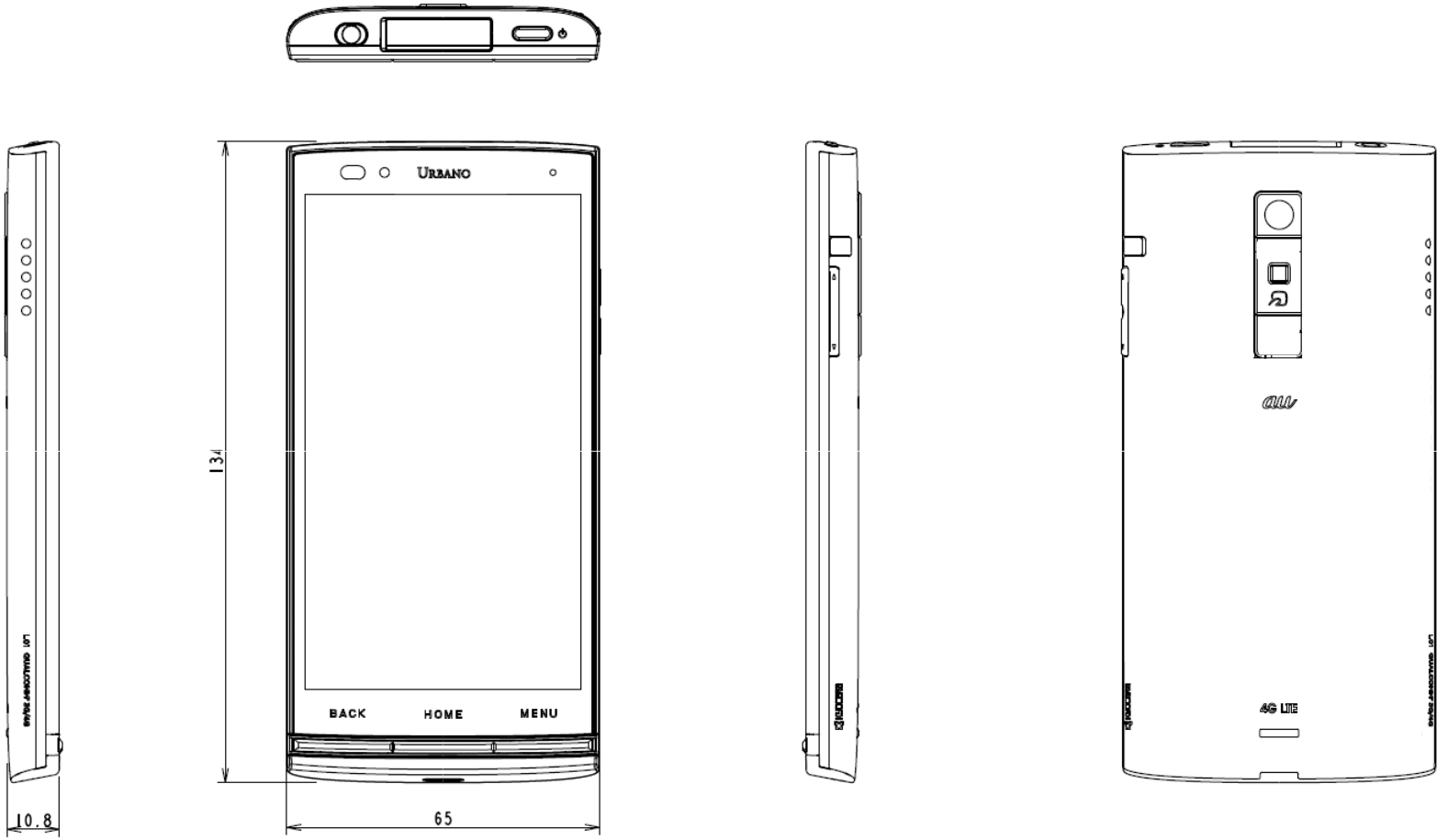


KYY21

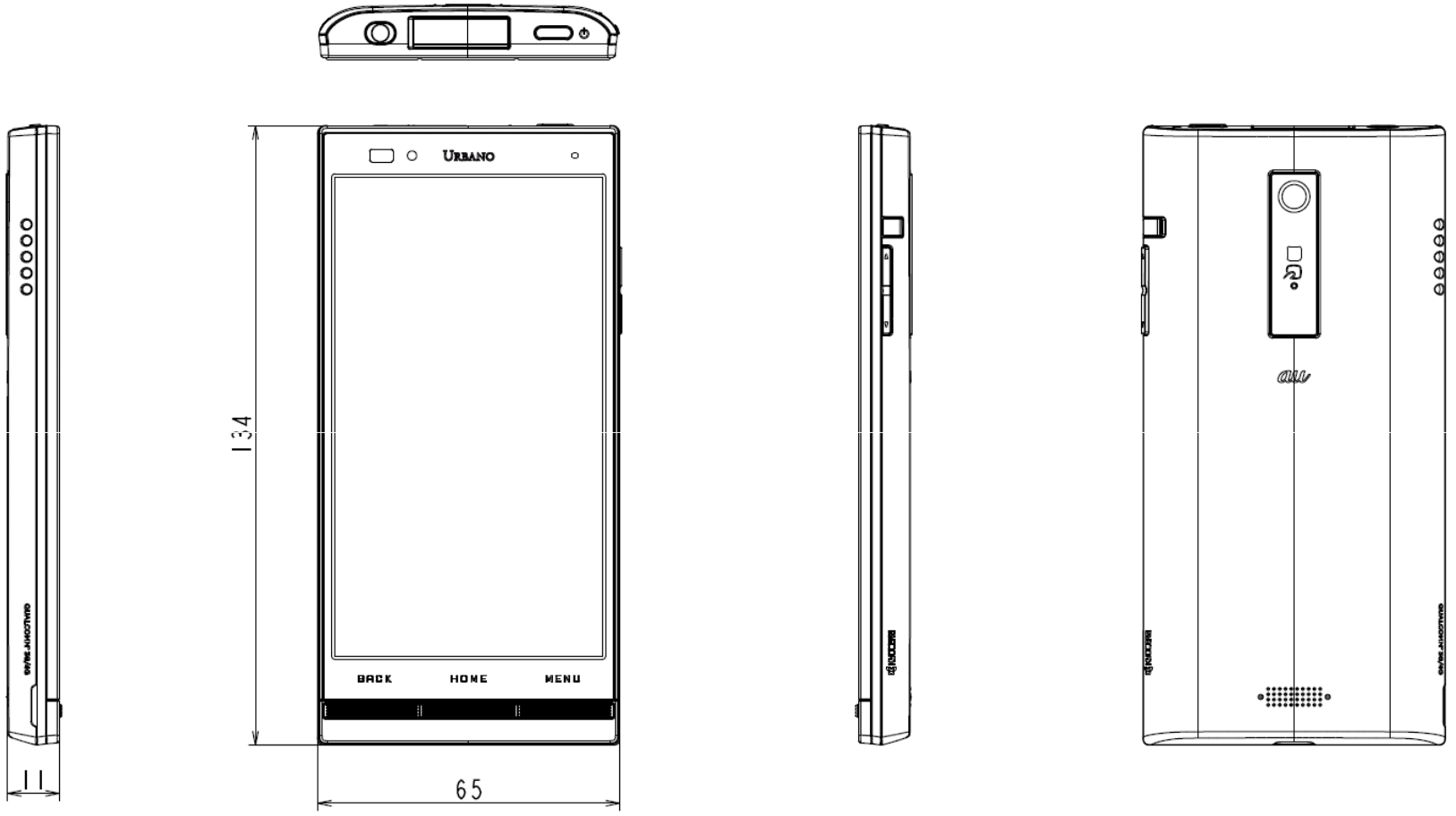


KYY22

KYY21 Outside Drawing



KYY22 Outside Drawing

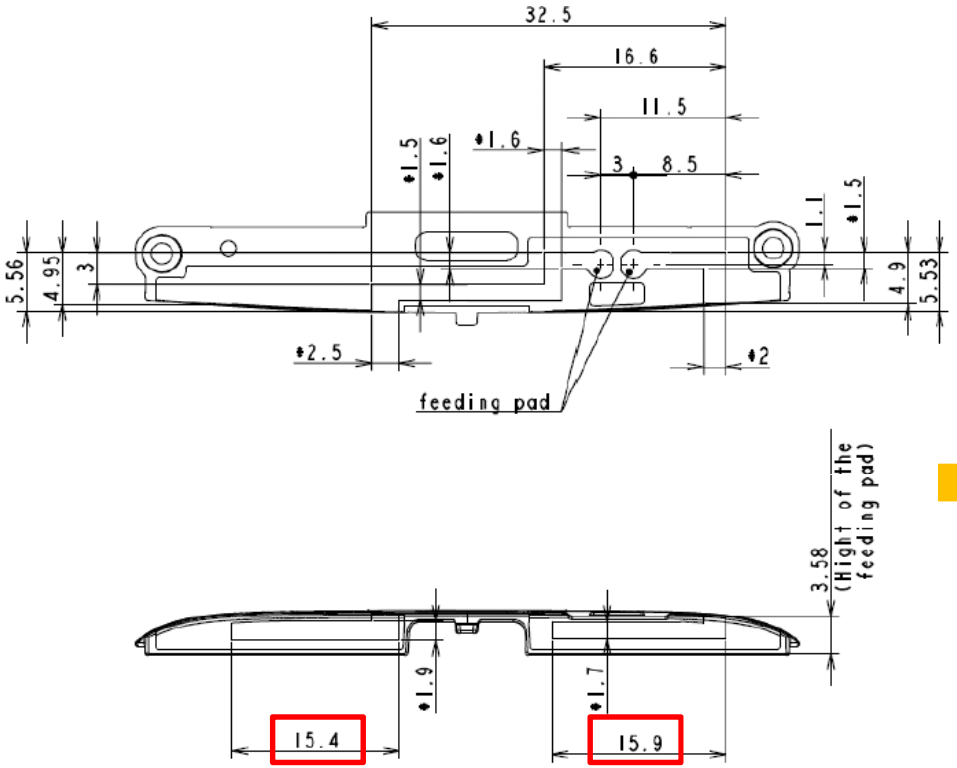


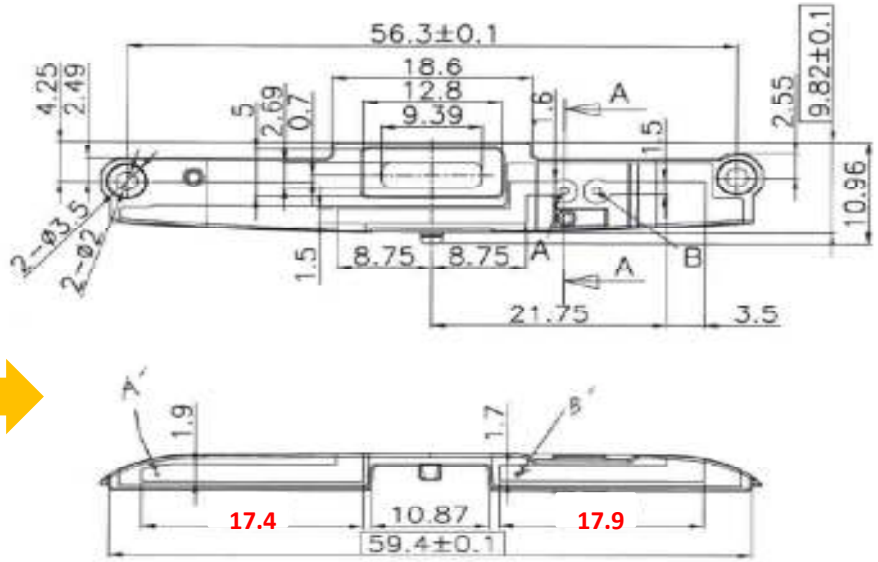
Antenna element drawings and gain table

The differences between KYY21(FCC ID: JOYKYY21) and similarity model: KYY22

Antenna locatoins are no changes, the difference is only length as shown following slides.

CDMA / W-CDMA / GSM Antenna



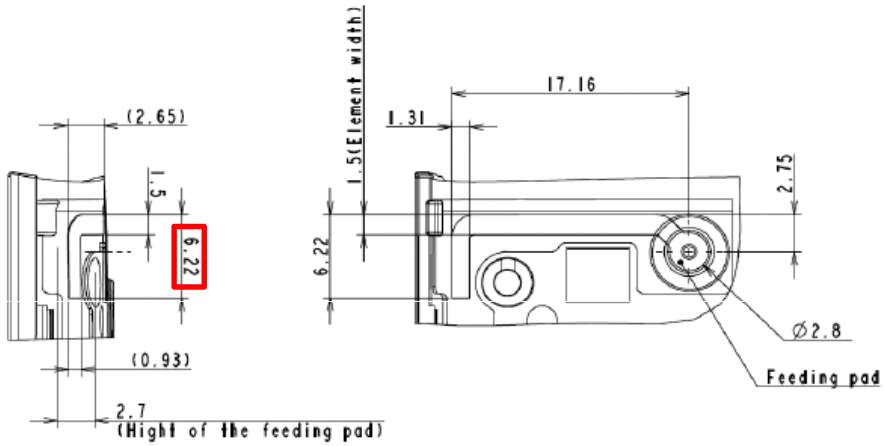


The antenna elements are 2mm longer than JOYKYY21.

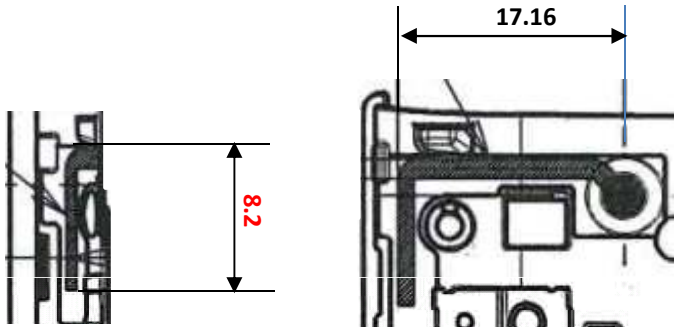
KYY21

KYY22

Bluetooth / WLAN Antenna



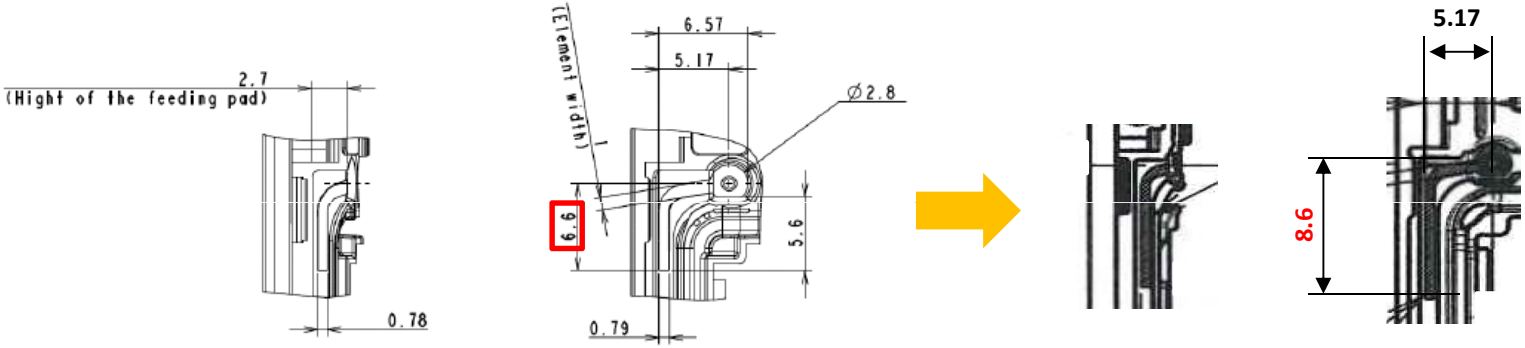
KYY21



The antenna element is 2mm longer than JOYKYY21.

KYY22

WLAN_W52_E53_W56 Antenna



The antenna element is 2mm longer than JOYKYY21.

KYY21

KYY22

Antenna Gain

CDMA band class 0	0dBi
W-CDMA band 1	0dBi
W-CDMA band 5	0dBi
GSM850	0dBi
GSM900	0dBi
GSM1800	0dBi
GSM1900	0dBi
Bluetooth / WLAN	0dBi
WLAN_W52_W53_W56	0dBi

KYY21

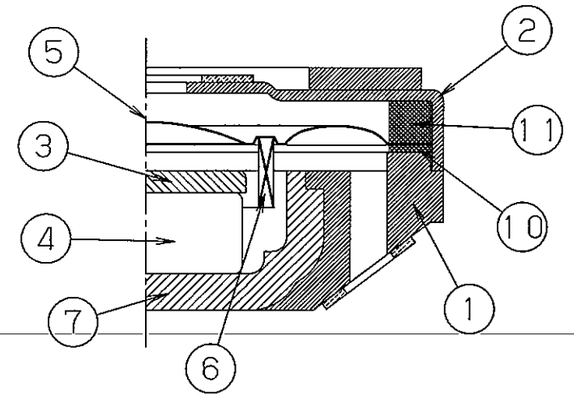
No change

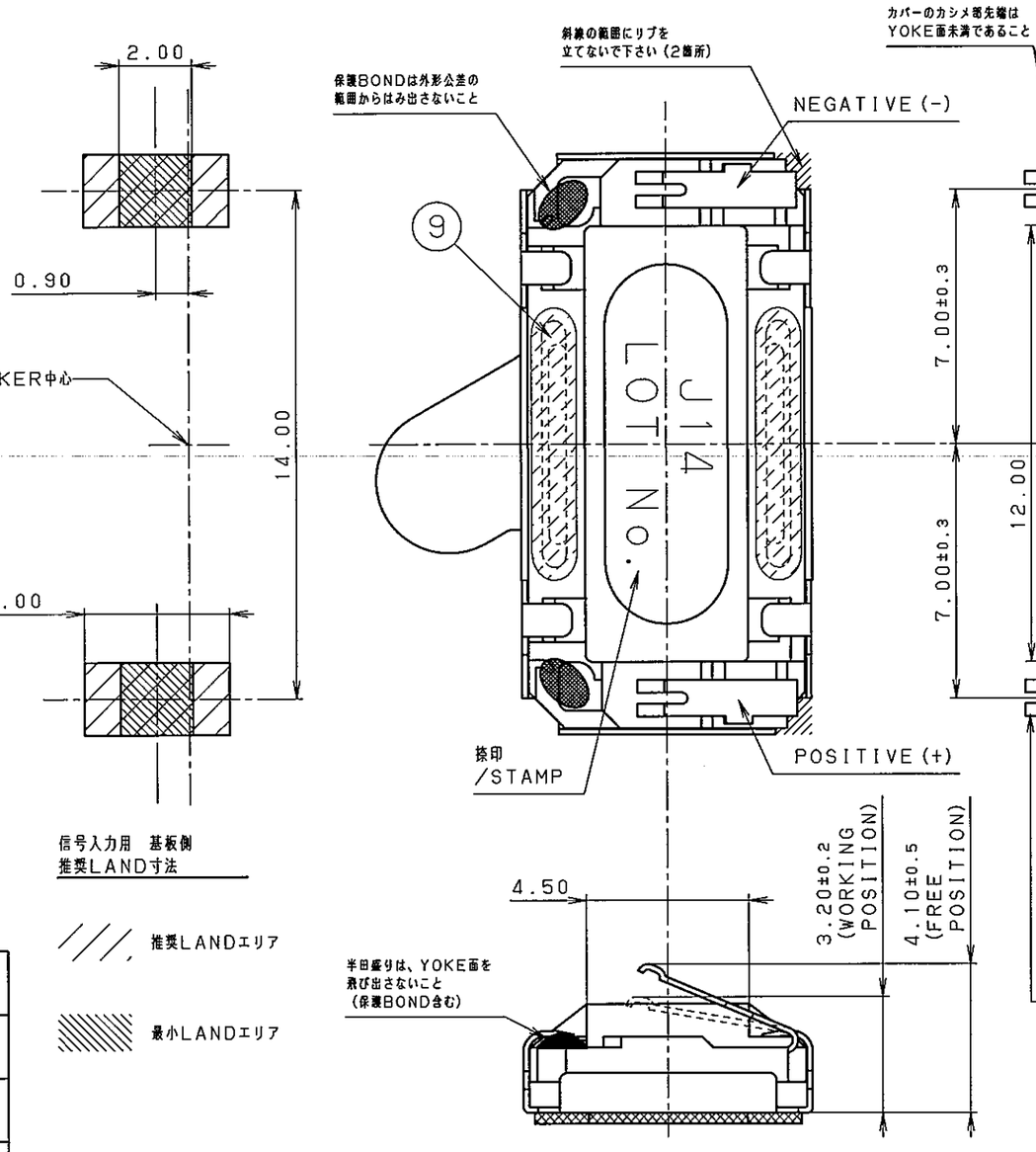
CDMA band class 0	0dBi
W-CDMA band 1	0dBi
W-CDMA band 5	0dBi
GSM850	0dBi
GSM900	0dBi
GSM1800	0dBi
GSM1900	0dBi
Bluetooth / WLAN	0dBi
WLAN_W52_W53_W56	0dBi

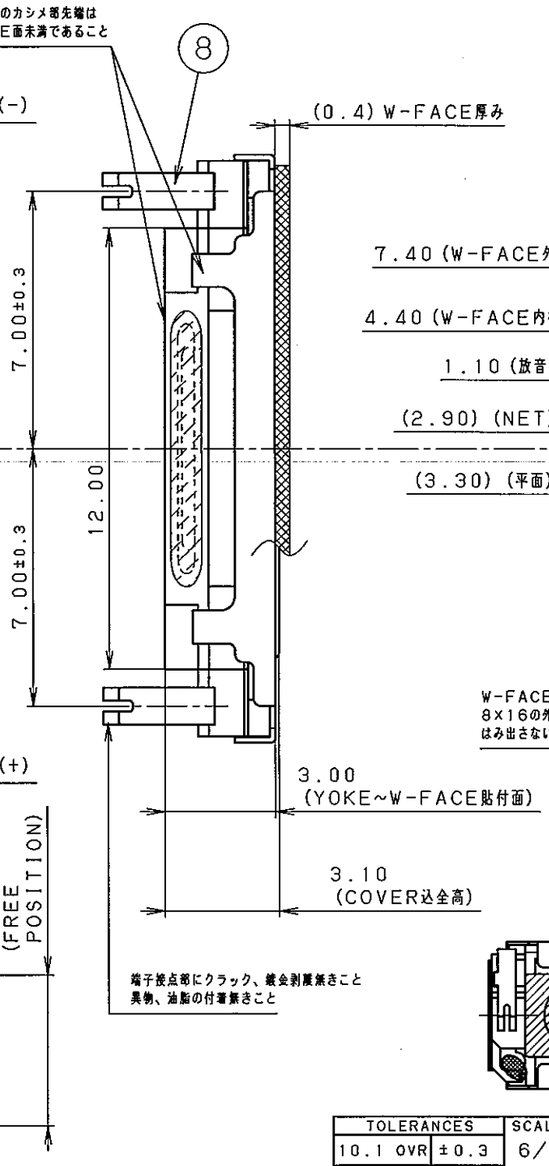
KYY22

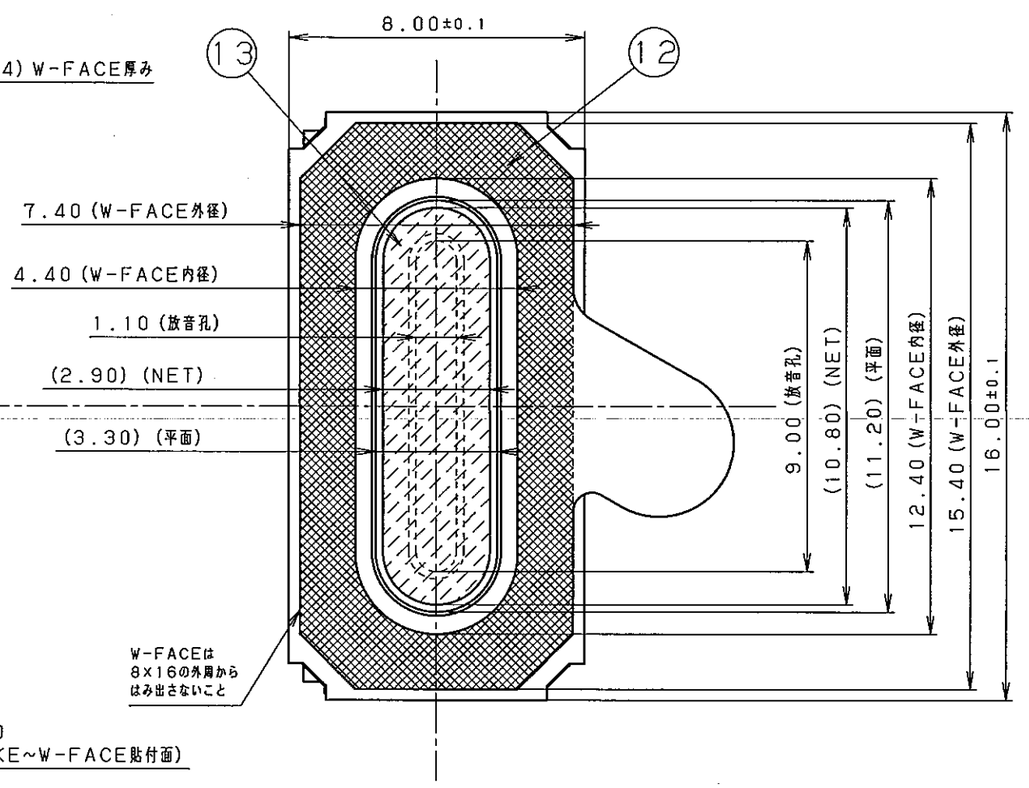
	構成部品 (PART)	材質・規格 (MATERIALS, SPEC.)	処理 (FINISH)
1	フレーム/FRAME	ポリフタルアミド/PPA	BLACK
2	フレームカバー/FRAME COVER	ステンレス/SUS430 0.1t	
3	ポールピース/POLE PIECE	冷間圧延鋼板/SPCC 0.3t	Ep-Fe/Zn/yellow trivalent chrome chromate
4	マグネット/MAGNET	ネオジウム/Nd-Fe-B	
5	ダイアフラム/DIAPHRAGM	耐熱ポリエステルフィルム/PEN 16μm	NATURAL
6	ボイスコイル/VOICE COIL	銅線/COPPER WIRE Ø0.05	
7	ヨーク/YOKE	冷間圧延鋼板/SPCE 0.5t	Ep-Fe/Zn/yellow trivalent chrome chromate
8	ターミナル/TERMINAL	SUS 301 3/4H 0.15t	Ni-PLATING(2.0~5.0μm), Au-PLATING(0.5~1.0μm) 封孔処理
9	ネット/NET	NBC T-NO.280T	WHITE
10	両面テープ/W-FACE TAPE	NITTO NO.5610 0.1t	
11	両面テープ/W-FACE TAPE	3M Y4914-025 + PET 総厚0.688t	WHITE
12	両面テープ/W-FACE TAPE	DIC WS#8404B 0.4t (離型紙含まず)	BLACK
13	ネット(前面)/FRONT NET	NBC T-NO.305T	BLACK

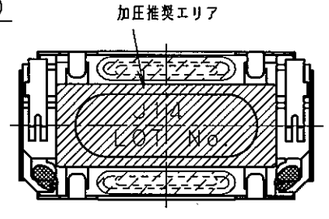
NOTE: DO NOT SCALE







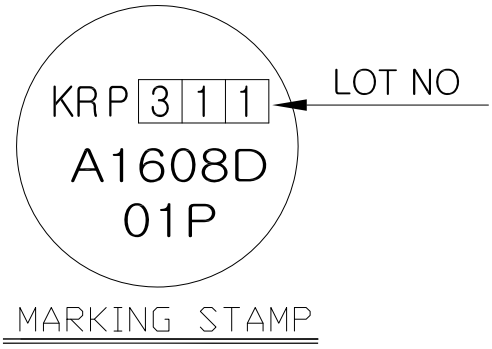




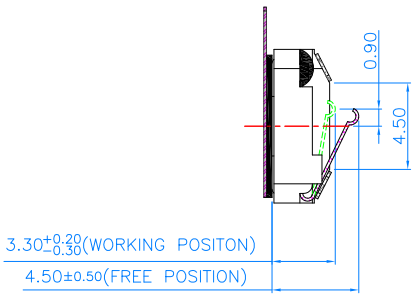
APPROVED 2013.3.31					
CHECKED					
CHECKED					
DESIGNED 2013.03.05 y.yoshimi					
DRAWN 2013.03.05 y.yoshimi		P-3322	NEW DRAWING		NOTE
	MK	DATE	EI.NO.	REVISION	REV.BY SEC

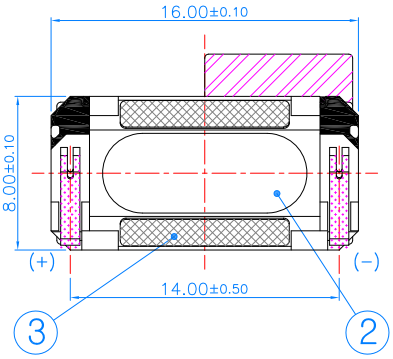
TOLERANCES		SCALE	MATERIAL (GENERAL/TYPE/MFR)	PART CODE	PAGE
10.1 OVR	±0.3	6/1		S00816J14A	11/16
				PART NAME	
10.0 UND	±0.2			SPEAKER	
HOLES ±0.2	ANGLES ±2°	UNIT mm	FINISH	ORIGINAL MODEL	DRAW.NO
				DRAW.ID/FILE	

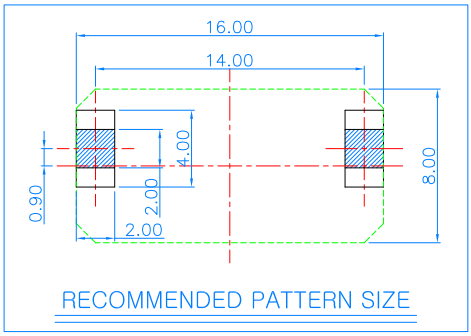
SANYO Electric Co.,Ltd.



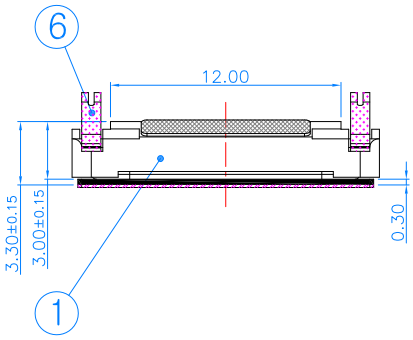
MARKING STAMP

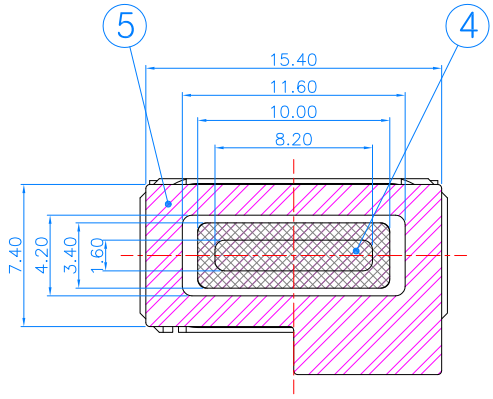






RECOMMENDED PATTERN SIZE





NO.	PART NAME	Q'TY	MATERIAL	TREATMENT	REMARK
⑥	PIN TERMINAL	2	SUS304 -1/2H	FRESH PLATING Ni:2μm(MIN) Au:0.5μm(MIN)	0.15T
⑤	WATERLESS TAPE	1	-	VT2830	0.3T
④	GRILL SCREEN	1	MESH	#350	-
③	FRAME SCREEN	1	MESH	#180	-
②	YOKE	1	STEEL	-	-
①	FRAME	1	LCP	PLASTIC	BLACK

REVISION	DATE	NOTE	SIGN	APPD.BY
1				

SCALE	3 : 1	DESD.BY	CHED.BY	APPD.BY
TOLERANCE	±0.1			
UNIT	mm	Y.H.SONG	H.S.NOH	H.J.LEE

KEYRIN TELECOM CO.,LTD.

DATE	JUN. 06. 2013
MODEL NO.	1608-8D-01P
TITLE	MODEL DIMENSION
DRAWING NO.	16088D01P - 100