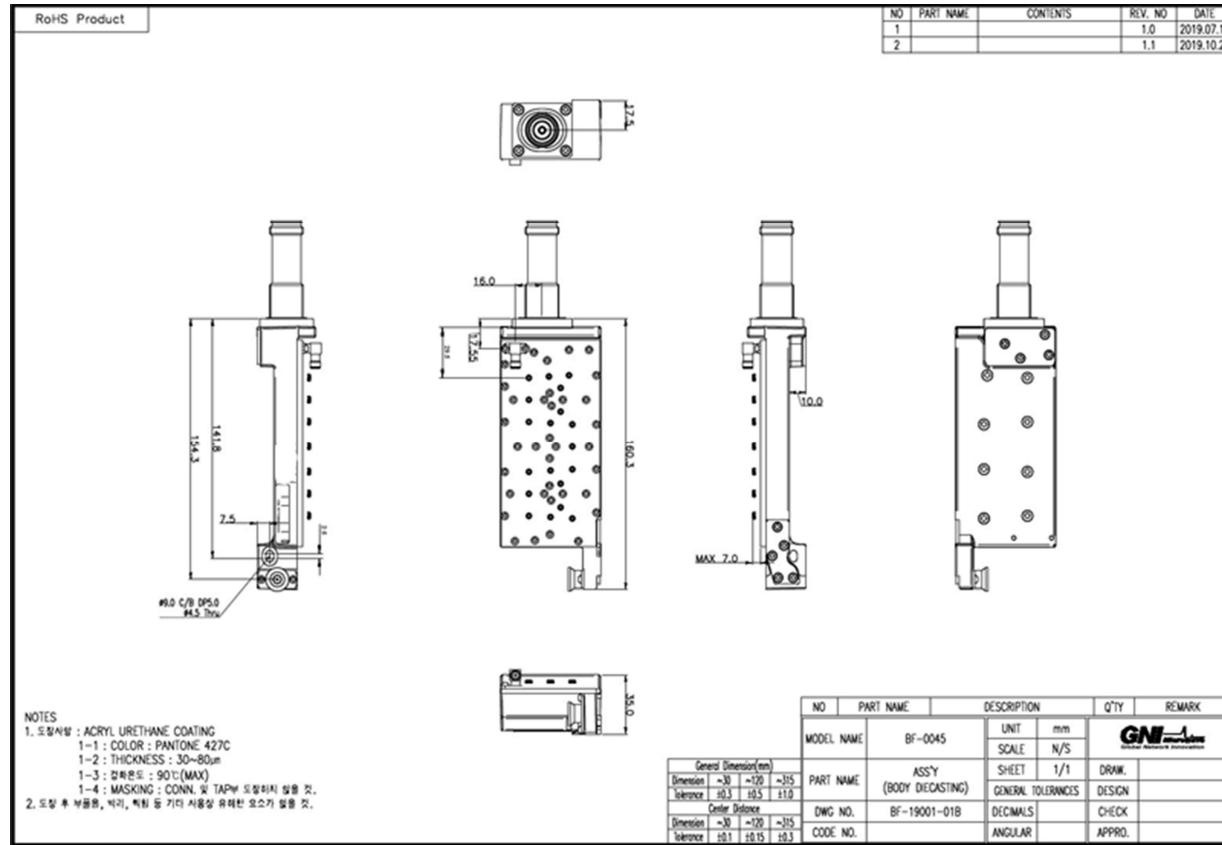


6. 제품_이동통신

1) 국내향 Cavity Filter(1/2)

5G 3.5GHz 인빌딩 분산형 대출력 장비에 적용되는 Cavity Filter로서 3.6 ~ 3.8GHz 대역을 통과하는 BPF

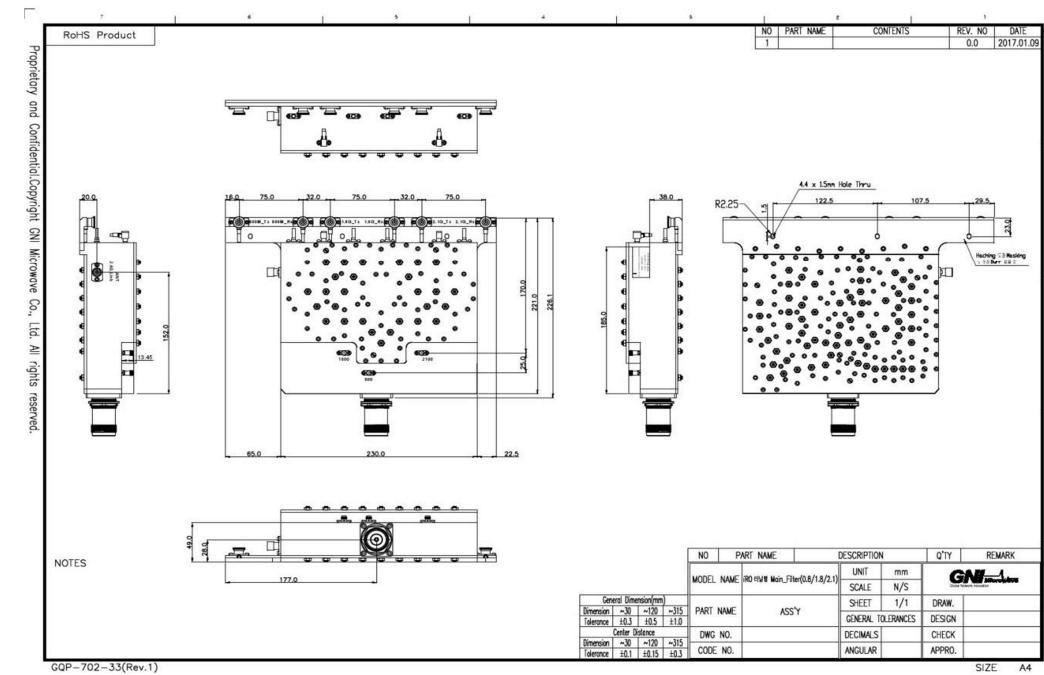


6. 제품_이동통신

1) 국내향 Cavity Filter(2/2)

저온, 고온 및 고습에서 전기적 규격을 만족하도록 설계 제작된 Cavity Filter Module

RX	824.025 MHz~838.5MHz	LTE-A TX 20M	1811.0MHz~1829.0MHz
CDMA TX	869.025MHz~883.5MHz	WCDMA RX	1940.5MHz~1959.32MHz
LTE-A RX 20M	1716.0MHz~1734.0MHz	WCDMA TX	2130.5MHz~2149.32MHz
2.6G	2500MHz~2670MHz		



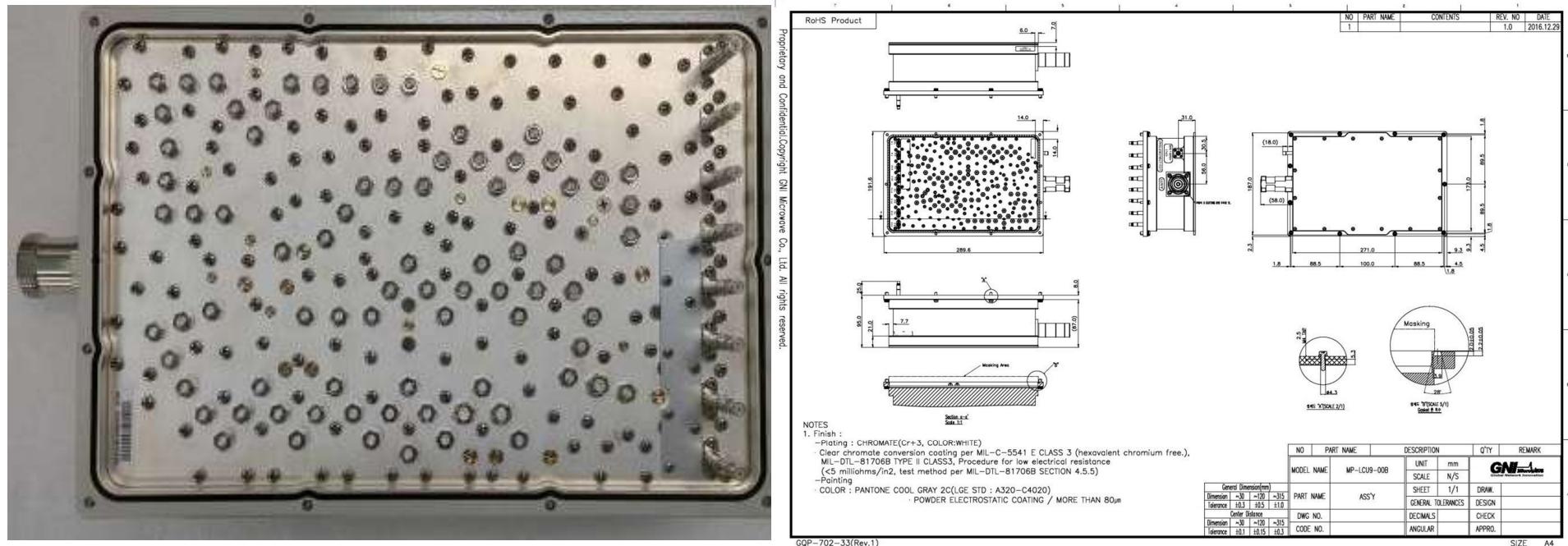
6. 제품_이동통신

2) 해외향 Cavity Filter

BPF와 CPL로 구성되어 저온, 고온 및 고습에서 전기적 규격을 만족하도록 설계 제작된

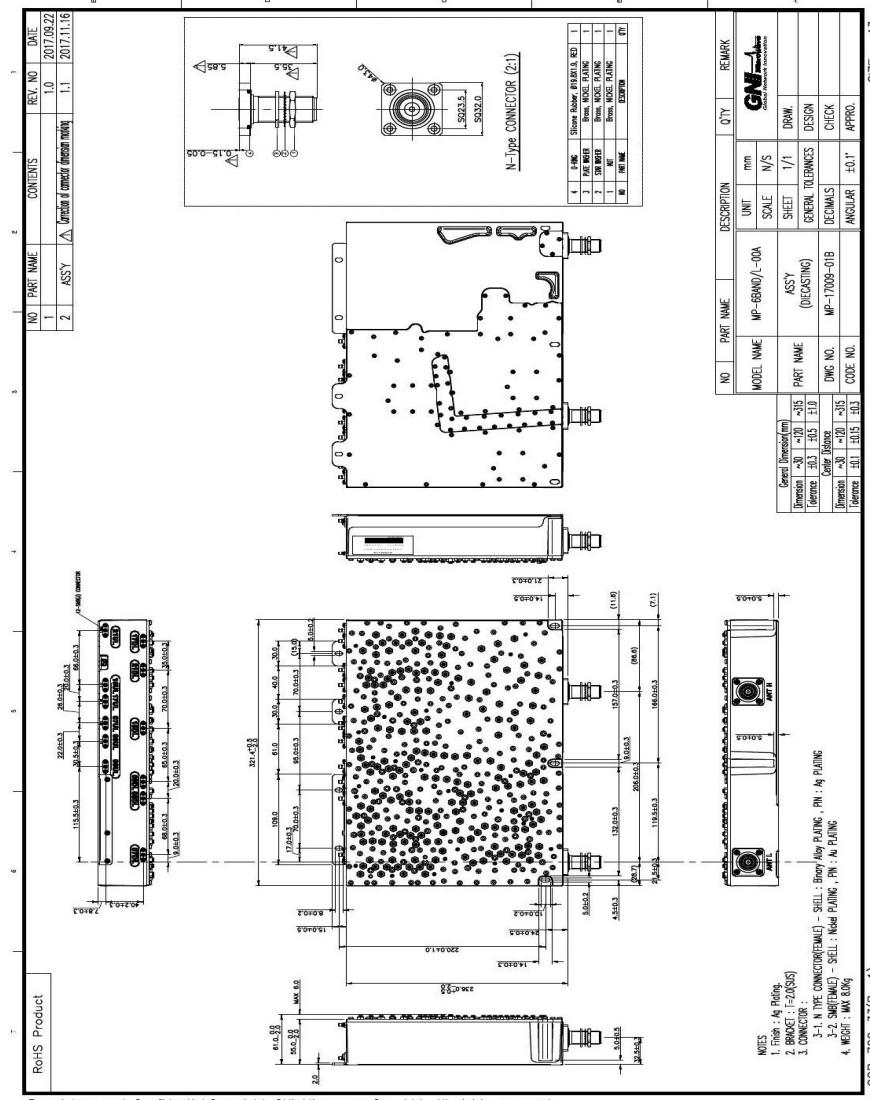
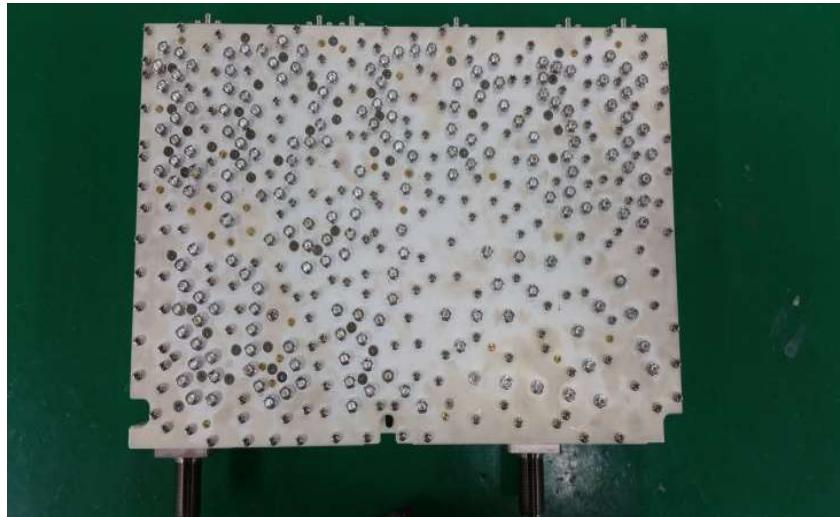
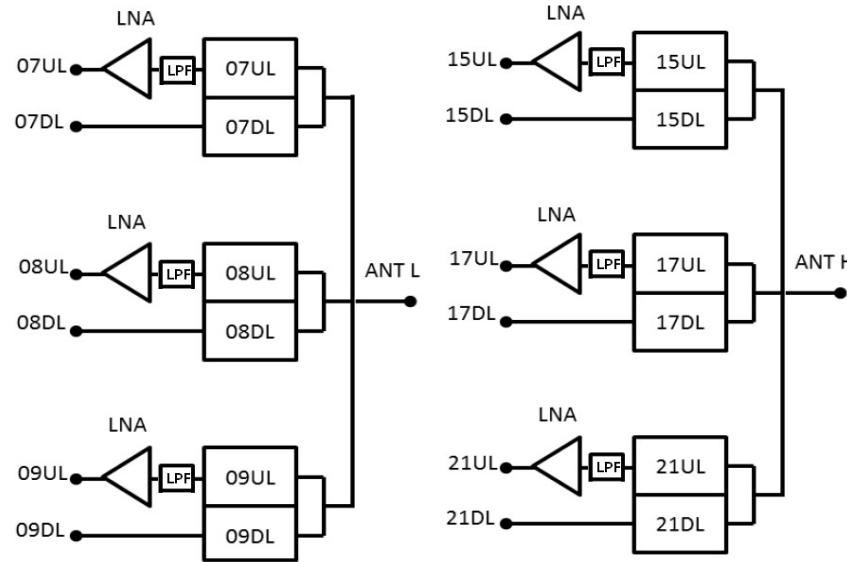
Cavity Filter Module

LTE 700 RX	703MHz~748MHz	LTE 700 TX	758MHz~803MHz
850 CELL RX	824MHz~849MHz	850 CELL TX	869MHz~894MHz
1900 PCS RX	1850MHz~1915MHz	1900 PCS TX	1930MHz~1995MHz
2100ARX	1710MHz~1755MHz	2100ATX	2100MHz~2155MHz



6. 제품_이동통신

2) 해외향 FEU



6. 제품_이동통신

5G 공용주파수 3개 대역을 입력으로 받아 결합하여 1개 출력으로 연결하는 공용화 결합기



3) Diplexer, 5G 결합기

Items	Specification		
Parameter	3.4GHz (LG U+)	3.5GHz (KT)	3.6GHz(SKT)
Pass Band	3350.0~3499.15MHz	3500.85~3599.15MHz	3600.85~3900.0MHz
Guard Band width	1.70MHz		
Insertion Loss (Full band Avg.)	상온: 0.7dB Max. / 환경: 0.9 dB Max.		
Return Loss (Input Port 기준)	18.0dB Min. (LGU+)	18.0dB Min. (KT)	18.0dB Min. (SKT)
Port to Port Isolation	SKT ↔ LG U+ : 30dB Min.		
	LG U+ ↔ KT: 20dB Min.		
	SKT ↔ KT: 20dB Min.		
Group Delay	180.0ns Max.		
PIMD	-150dBc 이하 (@ 43dBm(C.W) X 2 Tone)		
Input Power	100W		
Temperature	-30 ~ 60°C		
IP Grade	IP67 (Indoor & Outdoor)		
Weight	TBD		
Connector	N type Female		
Finish	분체도장, 427C		

6. 제품_이동통신

4) 공용화 결합기 4X4_LTE All Path

4G LTE 이통 3사 TX / RX 분리결합기(4X4)



Items	Specification			
SKT1	800M	1.8G	2.1G	
	824~839MHz	1715~1735MHz	1940~1960MHz	
	869~884MHz	1810~1830MHz	2130~2150MHz	
SKT2	2.6G_BW20M		2.6G_BW10M	
	2500~2520 MHz		2540~2550 MHz	
	2620~2640 MHz		2660~2670 MHz	
KT	800M	900M	1.8G	2.1G
	814~824MHz	904.3~914.3MHz	1735~1765MHz	1960~1980MHz
	859~869MHz	949.3~959.3MHz	1830~1859MHz	2150~2170MHz
LG U+	800M	1.8G	2.1G	2.6G
	839~849MHz	1770~1780MHz	1920~1940MHz	2520~2540MHz
	884~894MHz	1861~1870MHz	2110~2130MHz	2640~2660MHz
Insertion Loss	4.8dB max			
	KT/LGU+ 1.8G RX Path: 5.3dB max			
	KT/LGU+ 1.8G TX Path: 5.8dB max			
Return Loss	18dB min			
	All other RX, TX path 간		22dB min	
	KT/LGU+ 1.8G TX Path		20dB min	
Isolation	48dB min. @884~894MHz		45dB	
	LG -> KT port		min. @904.3~914.3MHz	
	SK -> LG port		30dB	
	min. @2110~2130MHz		50dB	
	SK -> KT port		min. @1810~1830MHz	