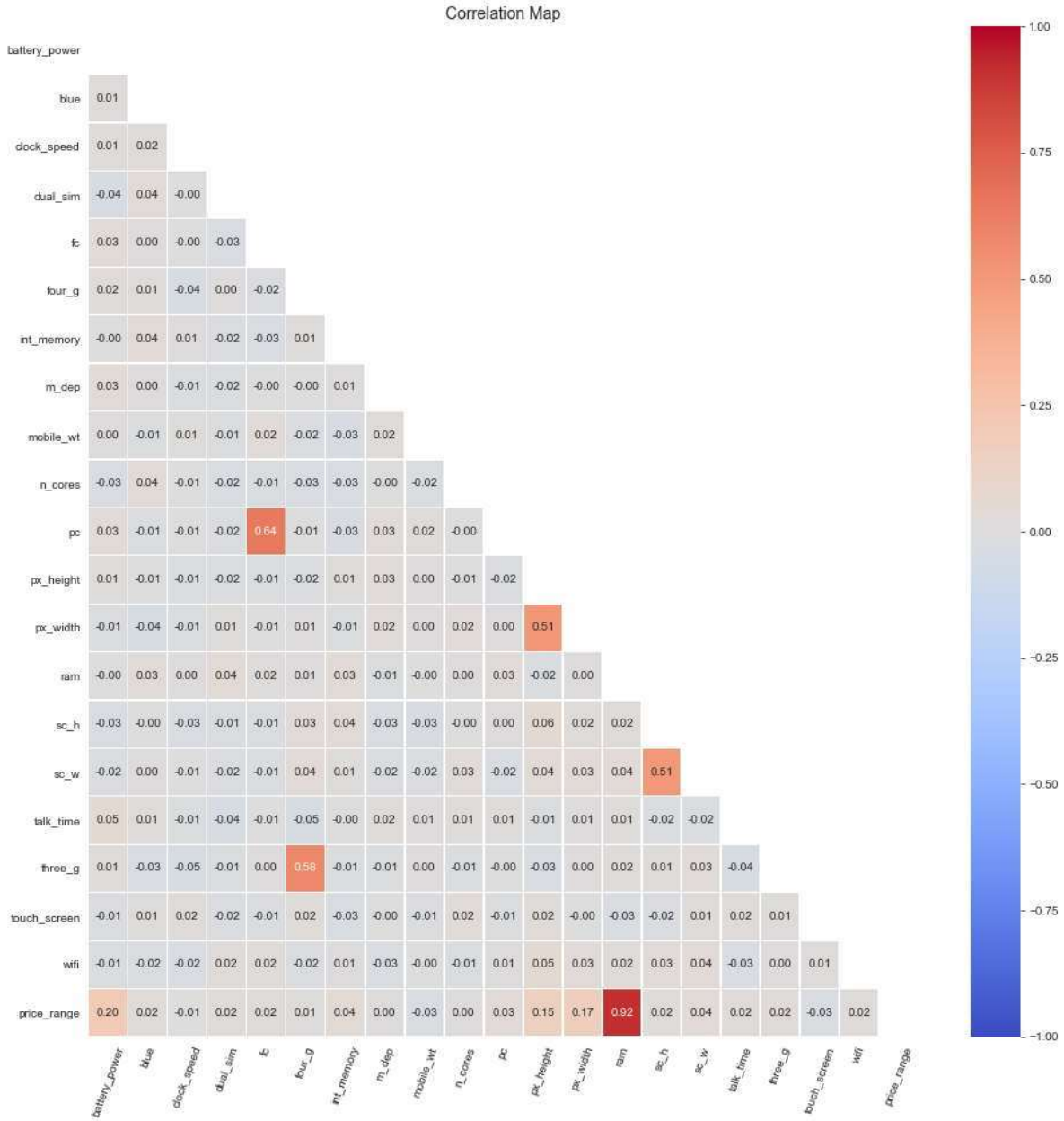
In [26]:

```
matrix = np.triu(df.corr())
sns.set_style("white")
f,ax=plt.subplots(figsize = (16,16))
sns.heatmap(df.corr(),annot= True,fmt = ".2f",ax=ax,
            vmin = -1,
            vmax = 1, mask = matrix,cmap = "coolwarm",
            linewidth = 0.2,linecolor = "white")
plt.xticks(rotation=70)
plt.yticks(rotation=0)
plt.title('Correlation Map', size = 14)
plt.show()
```



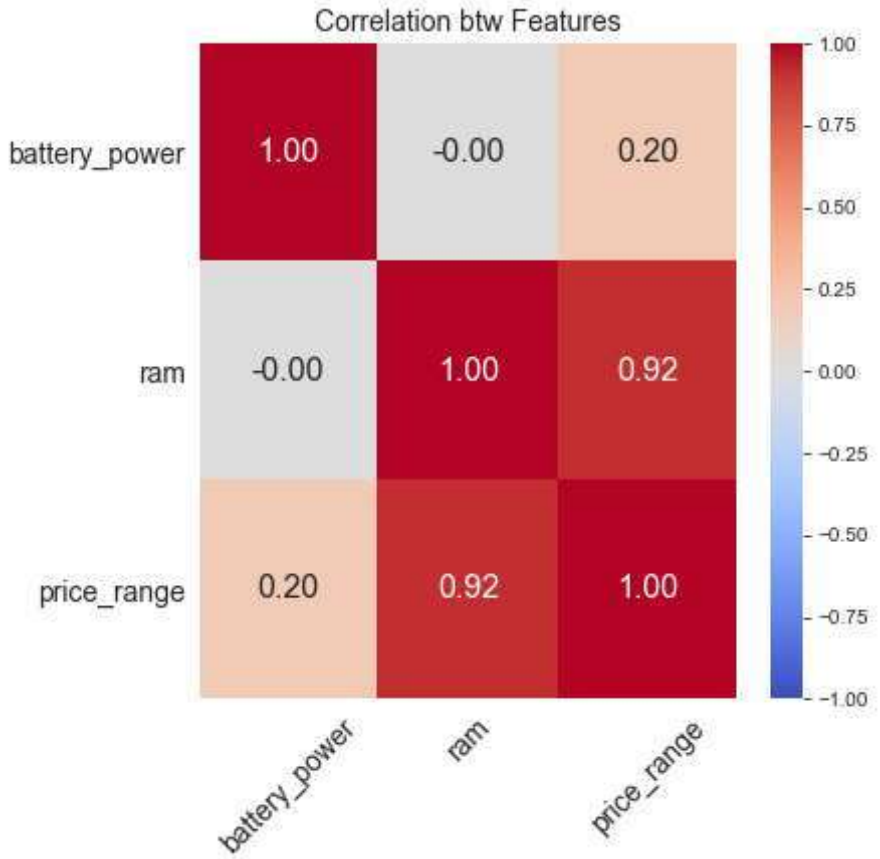
Thresholded Correlation Map

In [27]:

```
corr_matrix = df.corr()

threshold = 0.20
filter = np.abs(corr_matrix["price_range"])>threshold
corr_features = corr_matrix.columns[filter].tolist()

f,ax=plt.subplots(figsize = (6,6))
sns.heatmap(df[corr_features].corr(),annot= True,fmt = ".2f",
            vmin = -1,vmax = 1,ax=ax,annot_kws={"size": 16},cmap = "coolwarm")
plt.xticks(rotation=45, size = 14)
plt.yticks(rotation=0, size = 14)
plt.title('Correlation btw Features', size = 14)
plt.show()
```



Preprocessing

Train Test Split